

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: LUMIERE

Report Number: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

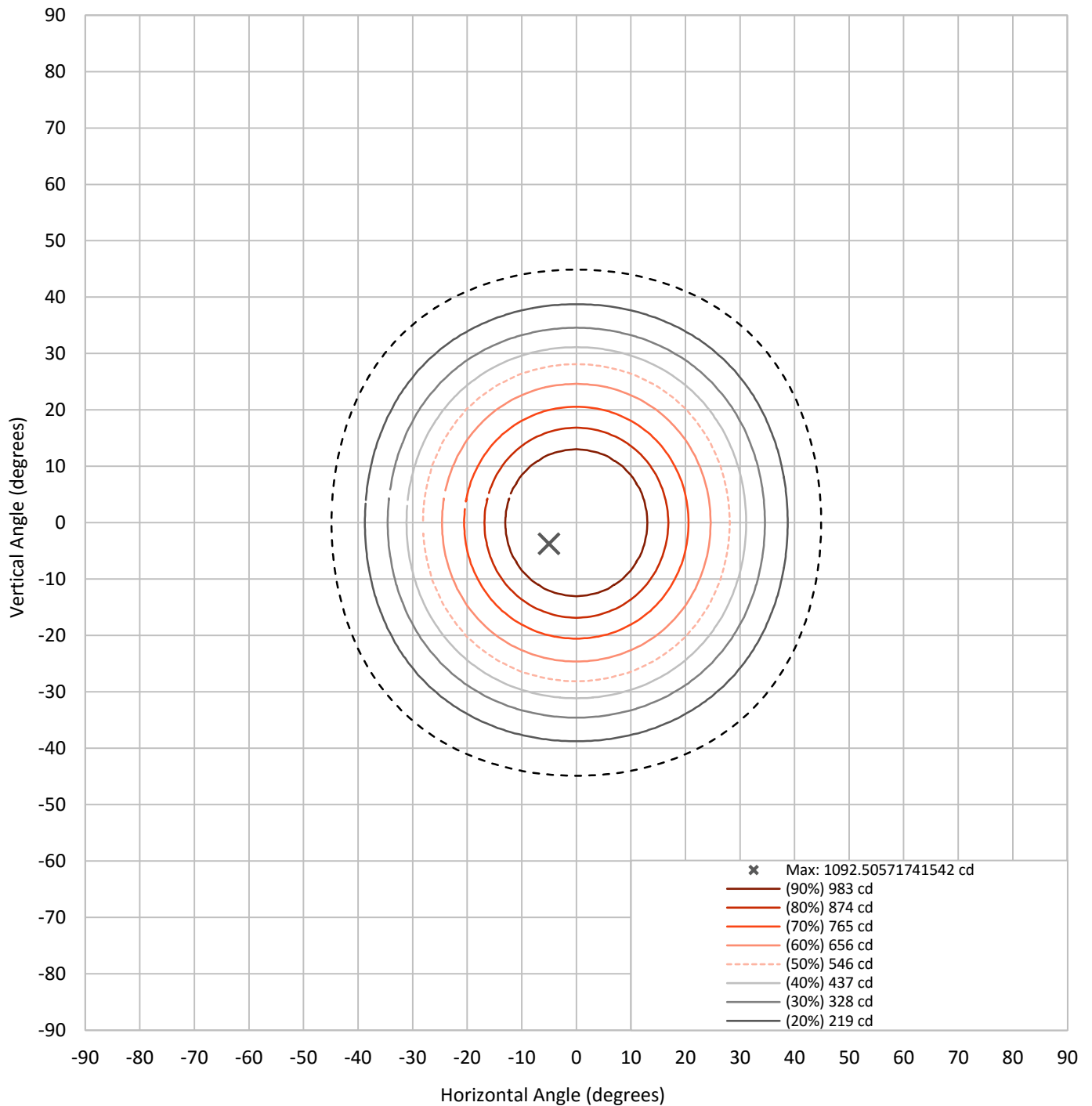
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	967.4 lumens	Max Intensity:	1092.5 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -3.75°V
Efficacy:	96.7 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	55.8°H x 55.5°V	Field Angle (10%):	89.6°H x 89.4°V
Beam Lumens:	601.2 lumens	Field Lumens:	903.8 lumens
Beam Efficiency:	62.1%	Field Efficiency:	93.4%

Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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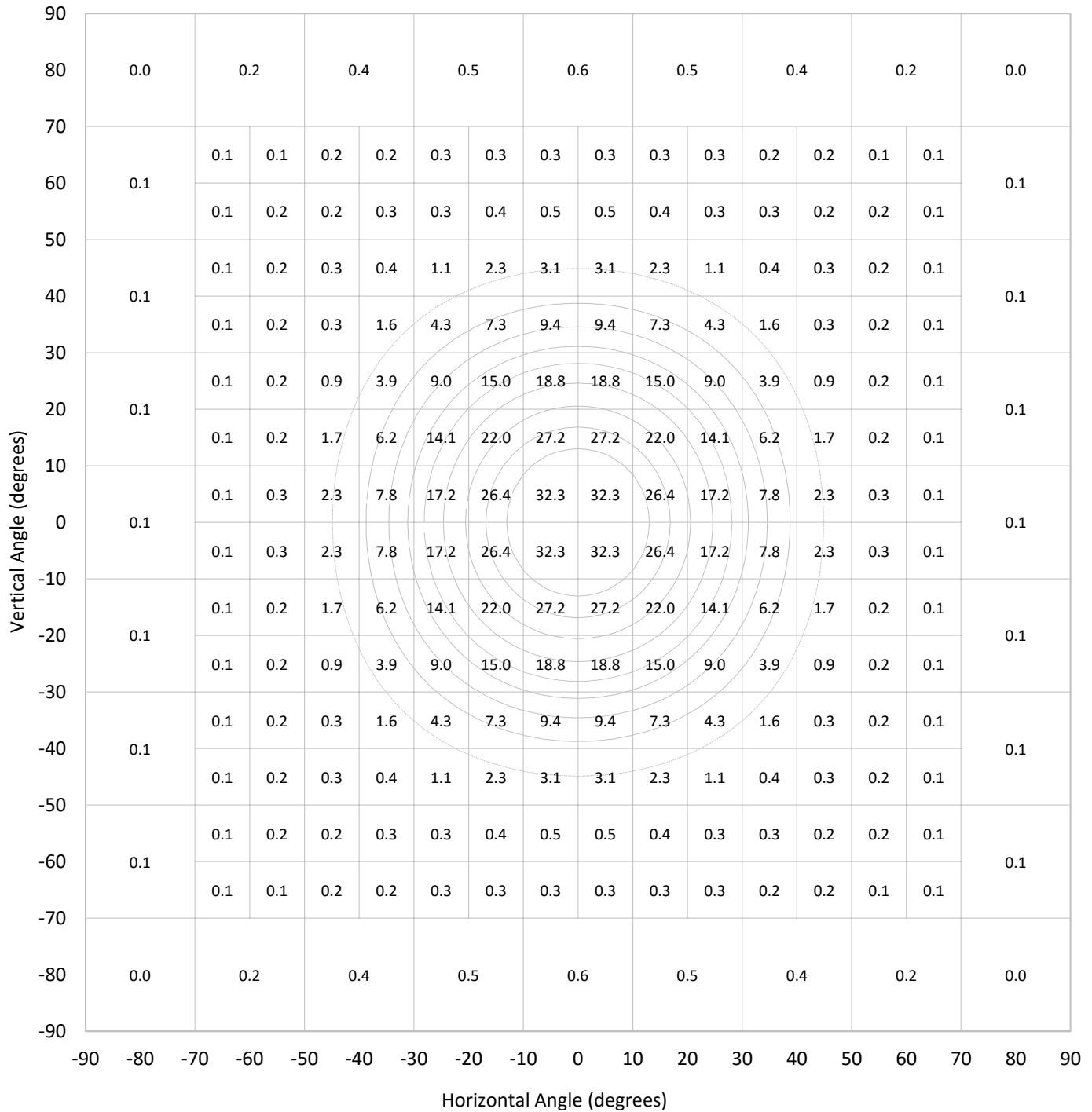
### Iso-Candela Plot





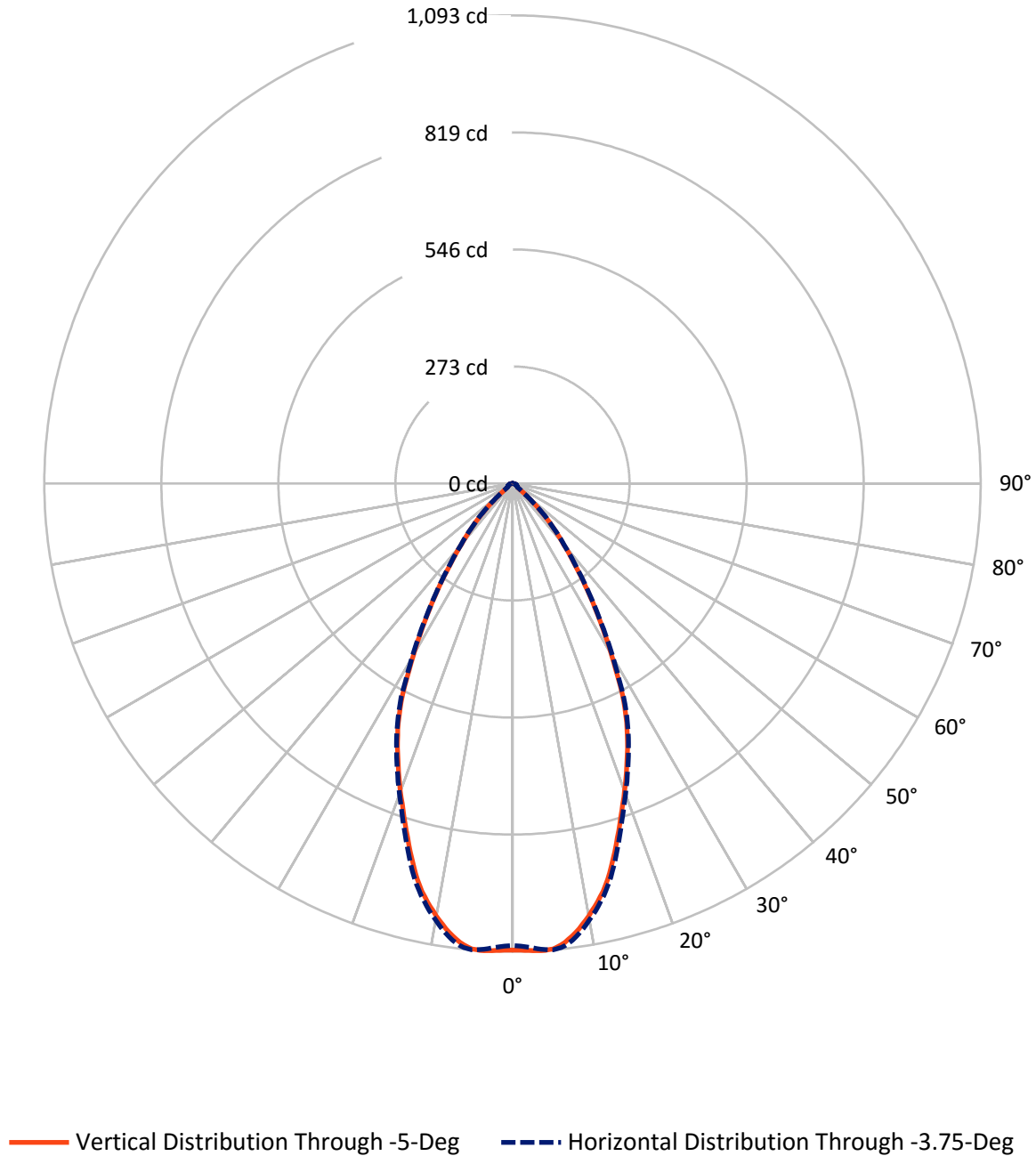
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### Lumen Table



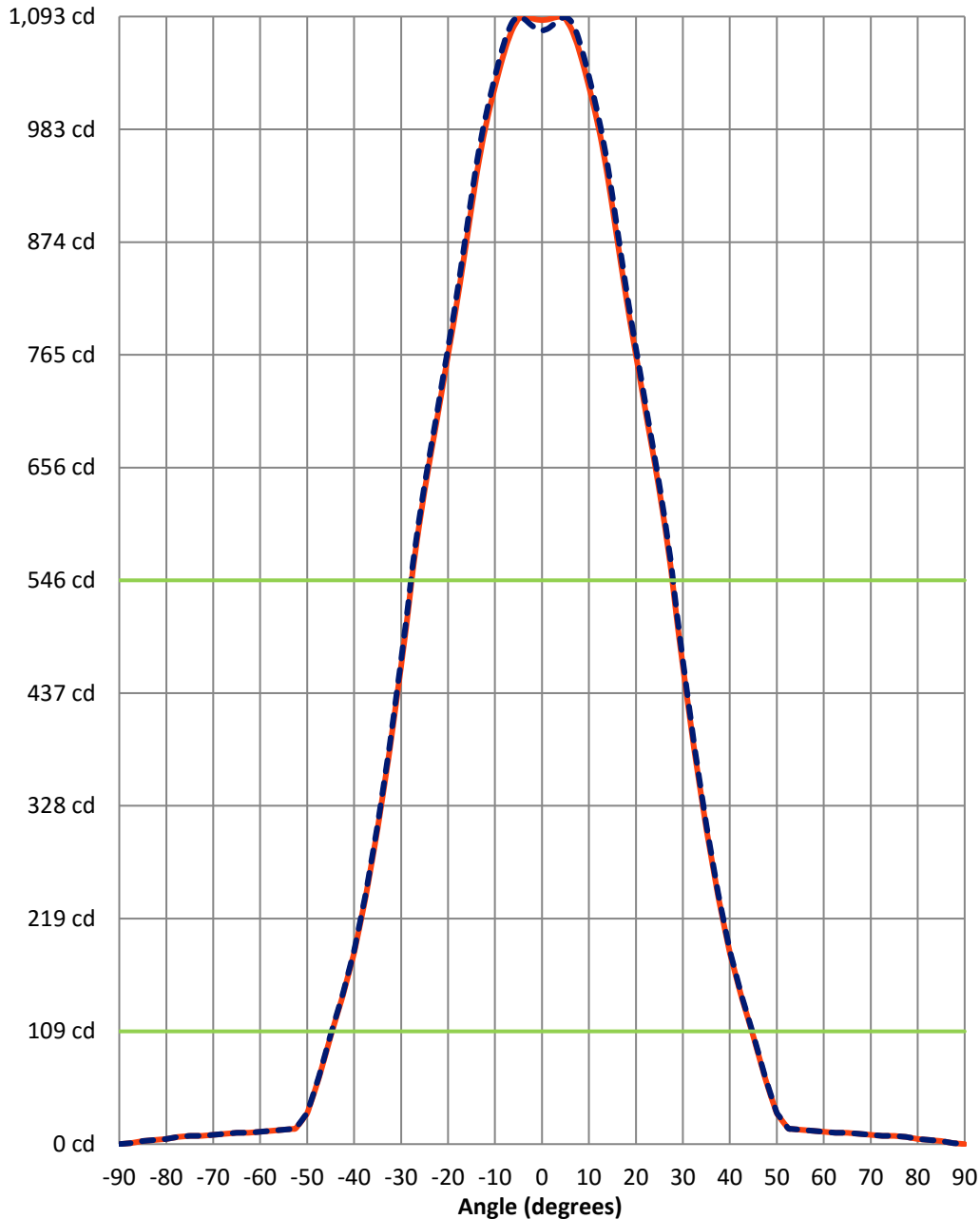
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 55.8°  
 V Angle: 55.5°  
 Lumens: 601.2  
 Efficiency: 62.1%

**Field:**  
 H Angle: 89.6°  
 V Angle: 89.4°  
 Lumens: 903.8  
 Efficiency: 93.4%

**Spill:**  
 Lumens: 63.6  
 Efficiency: 6.6%

- Vertical Distribution through -5-Deg
- - Horizontal Distribution through -3.75-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
87.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
86.25°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
85°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
83.75°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
82.5°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6
81.25°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
80°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
78.75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
77.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1
76.25°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.9	1.1	1.4
75°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.3	1.6
73.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.2	1.5	1.8
72.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.4	1.7	2.0
71.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.6	1.9	2.2
70°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.4	1.7	2.1	2.4
68.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.2	1.5	1.9	2.2	2.6
67.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.3	1.7	2.0	2.4	2.8
66.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.4	1.8	2.2	2.6	3.0
65°	0.0	0.2	0.4	0.6	0.8	1.1	1.5	1.9	2.4	2.8	3.1
63.75°	0.0	0.2	0.4	0.7	0.9	1.2	1.6	2.1	2.5	3.0	3.2
62.5°	0.0	0.2	0.5	0.7	0.9	1.3	1.8	2.2	2.7	3.1	3.3
61.25°	0.0	0.2	0.5	0.7	1.0	1.4	1.9	2.4	2.8	3.2	3.4
60°	0.0	0.2	0.5	0.7	1.0	1.5	2.0	2.5	3.0	3.2	3.5
58.75°	0.0	0.3	0.5	0.8	1.1	1.6	2.1	2.6	3.1	3.3	3.6
57.5°	0.0	0.3	0.5	0.8	1.1	1.7	2.2	2.8	3.1	3.4	3.7
56.25°	0.0	0.3	0.6	0.8	1.2	1.8	2.3	2.9	3.2	3.5	3.8
55°	0.0	0.3	0.6	0.9	1.3	1.9	2.4	3.0	3.3	3.6	3.9
53.75°	0.0	0.3	0.6	0.9	1.4	2.0	2.5	3.1	3.4	3.6	3.9
52.5°	0.0	0.3	0.6	0.9	1.4	2.0	2.6	3.1	3.4	3.7	4.0
51.25°	0.0	0.3	0.6	0.9	1.5	2.1	2.7	3.2	3.5	3.8	4.1
50°	0.0	0.3	0.6	1.0	1.6	2.2	2.9	3.2	3.6	3.9	4.2
48.75°	0.0	0.3	0.7	1.0	1.6	2.3	2.9	3.3	3.6	4.0	4.3
47.5°	0.0	0.3	0.7	1.0	1.7	2.4	3.0	3.4	3.7	4.0	4.4
46.25°	0.0	0.3	0.7	1.1	1.8	2.5	3.1	3.4	3.8	4.1	4.4
45°	0.0	0.4	0.7	1.1	1.8	2.5	3.1	3.5	3.8	4.2	4.5
43.75°	0.0	0.4	0.7	1.2	1.9	2.6	3.2	3.5	3.9	4.2	4.6
42.5°	0.0	0.4	0.7	1.2	1.9	2.7	3.2	3.6	3.9	4.3	4.7
41.25°	0.0	0.4	0.8	1.3	2.0	2.8	3.3	3.6	4.0	4.4	4.7
40°	0.0	0.4	0.8	1.3	2.1	2.8	3.3	3.7	4.1	4.4	4.8
38.75°	0.0	0.4	0.8	1.3	2.1	2.9	3.3	3.7	4.1	4.5	4.9
37.5°	0.0	0.4	0.8	1.4	2.2	3.0	3.4	3.8	4.2	4.6	5.0
36.25°	0.0	0.4	0.8	1.4	2.2	3.0	3.4	3.8	4.2	4.6	5.0
35°	0.0	0.4	0.8	1.5	2.3	3.0	3.5	3.9	4.3	4.7	5.2



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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.4	0.8	1.5	2.3	3.1	3.5	3.9	4.3	4.7	5.3
32.5°	0.0	0.4	0.8	1.5	2.4	3.1	3.5	3.9	4.4	4.8	5.4
31.25°	0.0	0.4	0.9	1.6	2.4	3.1	3.6	4.0	4.4	4.8	5.5
30°	0.0	0.4	0.9	1.6	2.5	3.2	3.6	4.0	4.5	4.9	5.6
28.75°	0.0	0.4	0.9	1.6	2.5	3.2	3.6	4.1	4.5	4.9	5.8
27.5°	0.0	0.4	0.9	1.7	2.5	3.2	3.7	4.1	4.5	5.0	5.9
26.25°	0.0	0.4	0.9	1.7	2.6	3.2	3.7	4.1	4.6	5.1	6.0
25°	0.0	0.5	0.9	1.7	2.6	3.3	3.7	4.2	4.6	5.1	6.1
23.75°	0.0	0.5	0.9	1.7	2.7	3.3	3.7	4.2	4.7	5.2	6.1
22.5°	0.0	0.5	0.9	1.8	2.7	3.3	3.8	4.2	4.7	5.3	6.2
21.25°	0.0	0.5	0.9	1.8	2.7	3.3	3.8	4.3	4.7	5.4	6.3
20°	0.0	0.5	0.9	1.8	2.8	3.3	3.8	4.3	4.8	5.5	6.4
18.75°	0.0	0.5	0.9	1.8	2.8	3.4	3.8	4.3	4.8	5.5	6.5
17.5°	0.0	0.5	1.0	1.9	2.8	3.4	3.9	4.3	4.8	5.6	6.5
16.25°	0.0	0.5	1.0	1.9	2.8	3.4	3.9	4.4	4.8	5.6	6.6
15°	0.0	0.5	1.0	1.9	2.9	3.4	3.9	4.4	4.9	5.7	6.7
13.75°	0.0	0.5	1.0	1.9	2.9	3.4	3.9	4.4	4.9	5.7	6.7
12.5°	0.0	0.5	1.0	1.9	2.9	3.4	3.9	4.4	4.9	5.8	6.8
11.25°	0.0	0.5	1.0	1.9	2.9	3.5	3.9	4.4	4.9	5.8	6.8
10°	0.0	0.5	1.0	2.0	2.9	3.5	4.0	4.4	4.9	5.9	6.8
8.75°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	5.0	5.9	6.9
7.5°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	5.0	5.9	6.9
6.25°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	5.0	5.9	6.9
5°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	5.0	6.0	7.0
3.75°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	5.0	6.0	7.0
2.5°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	5.0	6.0	7.0
1.25°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	5.0	6.0	7.0
0°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	5.0	6.0	7.0
-1.25°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	5.0	6.0	7.0
-2.5°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	5.0	6.0	7.0
-3.75°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	5.0	6.0	7.0
-5°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	5.0	6.0	7.0
-6.25°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	5.0	5.9	6.9
-7.5°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	5.0	5.9	6.9
-8.75°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	5.0	5.9	6.9
-10°	0.0	0.5	1.0	2.0	2.9	3.5	4.0	4.4	4.9	5.9	6.8
-11.25°	0.0	0.5	1.0	1.9	2.9	3.5	3.9	4.4	4.9	5.8	6.8
-12.5°	0.0	0.5	1.0	1.9	2.9	3.4	3.9	4.4	4.9	5.8	6.8
-13.75°	0.0	0.5	1.0	1.9	2.9	3.4	3.9	4.4	4.9	5.7	6.7
-15°	0.0	0.5	1.0	1.9	2.9	3.4	3.9	4.4	4.9	5.7	6.7
-16.25°	0.0	0.5	1.0	1.9	2.8	3.4	3.9	4.4	4.8	5.6	6.6
-17.5°	0.0	0.5	1.0	1.9	2.8	3.4	3.9	4.3	4.8	5.6	6.5
-18.75°	0.0	0.5	0.9	1.8	2.8	3.4	3.8	4.3	4.8	5.5	6.5
-20°	0.0	0.5	0.9	1.8	2.8	3.3	3.8	4.3	4.8	5.5	6.4
-21.25°	0.0	0.5	0.9	1.8	2.7	3.3	3.8	4.3	4.7	5.4	6.3





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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	0.5	0.9	1.8	2.7	3.3	3.8	4.2	4.7	5.3	6.2
-23.75°	0.0	0.5	0.9	1.7	2.7	3.3	3.7	4.2	4.7	5.2	6.1
-25°	0.0	0.5	0.9	1.7	2.6	3.3	3.7	4.2	4.6	5.1	6.1
-26.25°	0.0	0.4	0.9	1.7	2.6	3.2	3.7	4.1	4.6	5.1	6.0
-27.5°	0.0	0.4	0.9	1.7	2.5	3.2	3.7	4.1	4.5	5.0	5.9
-28.75°	0.0	0.4	0.9	1.6	2.5	3.2	3.6	4.1	4.5	4.9	5.8
-30°	0.0	0.4	0.9	1.6	2.5	3.2	3.6	4.0	4.5	4.9	5.6
-31.25°	0.0	0.4	0.9	1.6	2.4	3.1	3.6	4.0	4.4	4.8	5.5
-32.5°	0.0	0.4	0.8	1.5	2.4	3.1	3.5	3.9	4.4	4.8	5.4
-33.75°	0.0	0.4	0.8	1.5	2.3	3.1	3.5	3.9	4.3	4.7	5.3
-35°	0.0	0.4	0.8	1.5	2.3	3.0	3.5	3.9	4.3	4.7	5.2
-36.25°	0.0	0.4	0.8	1.4	2.2	3.0	3.4	3.8	4.2	4.6	5.0
-37.5°	0.0	0.4	0.8	1.4	2.2	3.0	3.4	3.8	4.2	4.6	5.0
-38.75°	0.0	0.4	0.8	1.3	2.1	2.9	3.3	3.7	4.1	4.5	4.9
-40°	0.0	0.4	0.8	1.3	2.1	2.8	3.3	3.7	4.1	4.4	4.8
-41.25°	0.0	0.4	0.8	1.3	2.0	2.8	3.3	3.6	4.0	4.4	4.7
-42.5°	0.0	0.4	0.7	1.2	1.9	2.7	3.2	3.6	3.9	4.3	4.7
-43.75°	0.0	0.4	0.7	1.2	1.9	2.6	3.2	3.5	3.9	4.2	4.6
-45°	0.0	0.4	0.7	1.1	1.8	2.5	3.1	3.5	3.8	4.2	4.5
-46.25°	0.0	0.3	0.7	1.1	1.8	2.5	3.1	3.4	3.8	4.1	4.4
-47.5°	0.0	0.3	0.7	1.0	1.7	2.4	3.0	3.4	3.7	4.0	4.4
-48.75°	0.0	0.3	0.7	1.0	1.6	2.3	2.9	3.3	3.6	4.0	4.3
-50°	0.0	0.3	0.6	1.0	1.6	2.2	2.9	3.2	3.6	3.9	4.2
-51.25°	0.0	0.3	0.6	0.9	1.5	2.1	2.7	3.2	3.5	3.8	4.1
-52.5°	0.0	0.3	0.6	0.9	1.4	2.0	2.6	3.1	3.4	3.7	4.0
-53.75°	0.0	0.3	0.6	0.9	1.4	2.0	2.5	3.1	3.4	3.6	3.9
-55°	0.0	0.3	0.6	0.9	1.3	1.9	2.4	3.0	3.3	3.6	3.9
-56.25°	0.0	0.3	0.6	0.8	1.2	1.8	2.3	2.9	3.2	3.5	3.8
-57.5°	0.0	0.3	0.5	0.8	1.1	1.7	2.2	2.8	3.1	3.4	3.7
-58.75°	0.0	0.3	0.5	0.8	1.1	1.6	2.1	2.6	3.1	3.3	3.6
-60°	0.0	0.2	0.5	0.7	1.0	1.5	2.0	2.5	3.0	3.2	3.5
-61.25°	0.0	0.2	0.5	0.7	1.0	1.4	1.9	2.4	2.8	3.2	3.4
-62.5°	0.0	0.2	0.5	0.7	0.9	1.3	1.8	2.2	2.7	3.1	3.3
-63.75°	0.0	0.2	0.4	0.7	0.9	1.2	1.6	2.1	2.5	3.0	3.2
-65°	0.0	0.2	0.4	0.6	0.8	1.1	1.5	1.9	2.4	2.8	3.1
-66.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.4	1.8	2.2	2.6	3.0
-67.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.3	1.7	2.0	2.4	2.8
-68.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.2	1.5	1.9	2.2	2.6
-70°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.4	1.7	2.1	2.4
-71.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.6	1.9	2.2
-72.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.4	1.7	2.0
-73.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.2	1.5	1.8
-75°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.3	1.6
-76.25°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.9	1.1	1.4
-77.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-80°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-81.25°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
-82.5°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6
-83.75°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
-85°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
-86.25°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
-87.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
-88.75°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
86.25°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7
85°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
83.75°	0.6	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.2
82.5°	0.7	0.8	0.8	0.9	1.0	1.0	1.2	1.3	1.4	1.5	1.6
81.25°	0.8	0.9	1.0	1.1	1.2	1.4	1.5	1.7	1.8	1.9	2.1
80°	0.9	1.1	1.2	1.4	1.6	1.7	1.9	2.0	2.2	2.4	2.5
78.75°	1.1	1.3	1.5	1.7	1.9	2.1	2.2	2.4	2.6	2.8	3.0
77.5°	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.1	3.2
76.25°	1.6	1.8	2.1	2.3	2.5	2.7	3.0	3.1	3.2	3.3	3.4
75°	1.8	2.1	2.3	2.6	2.8	3.0	3.2	3.3	3.4	3.5	3.6
73.75°	2.1	2.3	2.6	2.9	3.1	3.2	3.3	3.5	3.6	3.7	3.8
72.5°	2.3	2.6	2.9	3.1	3.2	3.4	3.5	3.6	3.8	3.9	4.1
71.25°	2.5	2.8	3.1	3.2	3.4	3.5	3.7	3.8	4.0	4.1	4.3
70°	2.7	3.0	3.2	3.4	3.5	3.7	3.8	4.0	4.2	4.3	4.5
68.75°	3.0	3.2	3.3	3.5	3.7	3.8	4.0	4.2	4.4	4.5	4.7
67.5°	3.1	3.3	3.5	3.6	3.8	4.0	4.2	4.4	4.5	4.7	4.9
66.25°	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.5	4.7	4.9	5.2
65°	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.2	5.6
63.75°	3.4	3.6	3.8	4.1	4.3	4.5	4.7	4.9	5.2	5.6	6.0
62.5°	3.5	3.7	4.0	4.2	4.4	4.6	4.9	5.1	5.6	6.0	6.4
61.25°	3.6	3.9	4.1	4.3	4.6	4.8	5.0	5.5	5.9	6.4	6.8
60°	3.7	4.0	4.2	4.5	4.7	4.9	5.4	5.8	6.3	6.8	7.1
58.75°	3.8	4.1	4.3	4.6	4.8	5.2	5.7	6.2	6.6	7.1	7.3
57.5°	3.9	4.2	4.5	4.7	5.0	5.5	6.0	6.5	7.0	7.2	7.5
56.25°	4.0	4.3	4.6	4.8	5.2	5.8	6.3	6.8	7.2	7.4	7.7
55°	4.1	4.4	4.7	5.0	5.5	6.1	6.6	7.1	7.3	7.6	7.9
53.75°	4.2	4.5	4.8	5.2	5.8	6.3	6.9	7.2	7.5	7.8	8.0
52.5°	4.3	4.6	4.9	5.4	6.0	6.6	7.1	7.4	7.7	8.0	8.0
51.25°	4.4	4.7	5.1	5.7	6.3	6.9	7.2	7.5	7.8	8.0	8.0
50°	4.5	4.8	5.3	5.9	6.5	7.1	7.4	7.7	8.0	8.0	8.0
48.75°	4.6	4.9	5.5	6.1	6.8	7.2	7.5	7.8	8.0	8.0	8.0
47.5°	4.7	5.1	5.7	6.4	7.0	7.3	7.7	8.0	8.0	8.0	8.0
46.25°	4.8	5.2	5.9	6.6	7.1	7.5	7.8	8.0	8.0	8.0	8.1
45°	4.9	5.4	6.1	6.8	7.3	7.6	7.9	8.0	8.0	8.0	8.3
43.75°	5.0	5.6	6.3	7.0	7.4	7.7	8.0	8.0	8.0	8.1	8.5
42.5°	5.1	5.8	6.5	7.1	7.5	7.8	8.0	8.0	8.0	8.3	8.6
41.25°	5.2	6.0	6.7	7.2	7.6	8.0	8.0	8.0	8.1	8.4	8.8
40°	5.4	6.1	6.9	7.3	7.7	8.0	8.0	8.0	8.2	8.6	8.9
38.75°	5.5	6.3	7.0	7.4	7.8	8.0	8.0	8.0	8.3	8.7	9.1
37.5°	5.7	6.5	7.1	7.5	7.9	8.0	8.0	8.1	8.5	8.8	9.2
36.25°	5.8	6.6	7.2	7.6	8.0	8.0	8.0	8.2	8.6	9.0	9.4
35°	6.0	6.8	7.3	7.7	8.0	8.0	8.0	8.3	8.7	9.1	9.5



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	6.1	6.9	7.4	7.8	8.0	8.0	8.0	8.4	8.8	9.2	9.6
32.5°	6.3	7.0	7.5	7.9	8.0	8.0	8.1	8.5	8.9	9.4	9.8
31.25°	6.4	7.1	7.5	8.0	8.0	8.0	8.2	8.6	9.1	9.5	9.9
30°	6.5	7.2	7.6	8.0	8.0	8.0	8.3	8.7	9.2	9.6	10.0
28.75°	6.6	7.2	7.7	8.0	8.0	8.0	8.4	8.8	9.3	9.7	10.1
27.5°	6.7	7.3	7.7	8.0	8.0	8.1	8.5	8.9	9.4	9.8	10.2
26.25°	6.8	7.4	7.8	8.0	8.0	8.1	8.6	9.0	9.5	9.9	10.3
25°	7.0	7.4	7.9	8.0	8.0	8.2	8.7	9.1	9.6	10.0	10.5
23.75°	7.0	7.5	7.9	8.0	8.0	8.3	8.7	9.2	9.7	10.1	10.6
22.5°	7.1	7.5	8.0	8.0	8.0	8.4	8.8	9.3	9.7	10.2	10.6
21.25°	7.1	7.6	8.0	8.0	8.0	8.4	8.9	9.4	9.8	10.3	10.7
20°	7.2	7.6	8.0	8.0	8.0	8.5	9.0	9.4	9.9	10.4	10.8
18.75°	7.2	7.7	8.0	8.0	8.1	8.6	9.0	9.5	10.0	10.4	10.9
17.5°	7.2	7.7	8.0	8.0	8.1	8.6	9.1	9.6	10.0	10.5	11.0
16.25°	7.3	7.8	8.0	8.0	8.2	8.7	9.1	9.6	10.1	10.6	11.0
15°	7.3	7.8	8.0	8.0	8.2	8.7	9.2	9.7	10.2	10.6	11.0
13.75°	7.3	7.8	8.0	8.0	8.3	8.8	9.2	9.7	10.2	10.7	11.0
12.5°	7.4	7.9	8.0	8.0	8.3	8.8	9.3	9.8	10.3	10.7	11.0
11.25°	7.4	7.9	8.0	8.0	8.4	8.8	9.3	9.8	10.3	10.8	11.0
10°	7.4	7.9	8.0	8.0	8.4	8.9	9.4	9.9	10.3	10.8	11.0
8.75°	7.4	7.9	8.0	8.0	8.4	8.9	9.4	9.9	10.4	10.9	11.0
7.5°	7.5	7.9	8.0	8.0	8.4	8.9	9.4	9.9	10.4	10.9	11.0
6.25°	7.5	8.0	8.0	8.0	8.5	9.0	9.4	9.9	10.4	10.9	11.0
5°	7.5	8.0	8.0	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.0
3.75°	7.5	8.0	8.0	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.0
2.5°	7.5	8.0	8.0	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.0
1.25°	7.5	8.0	8.0	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.0
0°	7.5	8.0	8.0	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.0
-1.25°	7.5	8.0	8.0	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.0
-2.5°	7.5	8.0	8.0	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.0
-3.75°	7.5	8.0	8.0	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.0
-5°	7.5	8.0	8.0	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.0
-6.25°	7.5	8.0	8.0	8.0	8.5	9.0	9.4	9.9	10.4	10.9	11.0
-7.5°	7.5	7.9	8.0	8.0	8.4	8.9	9.4	9.9	10.4	10.9	11.0
-8.75°	7.4	7.9	8.0	8.0	8.4	8.9	9.4	9.9	10.4	10.9	11.0
-10°	7.4	7.9	8.0	8.0	8.4	8.9	9.4	9.9	10.3	10.8	11.0
-11.25°	7.4	7.9	8.0	8.0	8.4	8.8	9.3	9.8	10.3	10.8	11.0
-12.5°	7.4	7.9	8.0	8.0	8.3	8.8	9.3	9.8	10.3	10.7	11.0
-13.75°	7.3	7.8	8.0	8.0	8.3	8.8	9.2	9.7	10.2	10.7	11.0
-15°	7.3	7.8	8.0	8.0	8.2	8.7	9.2	9.7	10.2	10.6	11.0
-16.25°	7.3	7.8	8.0	8.0	8.2	8.7	9.1	9.6	10.1	10.6	11.0
-17.5°	7.2	7.7	8.0	8.0	8.1	8.6	9.1	9.6	10.0	10.5	11.0
-18.75°	7.2	7.7	8.0	8.0	8.1	8.6	9.0	9.5	10.0	10.4	10.9
-20°	7.2	7.6	8.0	8.0	8.0	8.5	9.0	9.4	9.9	10.4	10.8
-21.25°	7.1	7.6	8.0	8.0	8.0	8.4	8.9	9.4	9.8	10.3	10.7



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	7.1	7.5	8.0	8.0	8.0	8.4	8.8	9.3	9.7	10.2	10.6
-23.75°	7.0	7.5	7.9	8.0	8.0	8.3	8.7	9.2	9.7	10.1	10.6
-25°	7.0	7.4	7.9	8.0	8.0	8.2	8.7	9.1	9.6	10.0	10.5
-26.25°	6.8	7.4	7.8	8.0	8.0	8.1	8.6	9.0	9.5	9.9	10.3
-27.5°	6.7	7.3	7.7	8.0	8.0	8.1	8.5	8.9	9.4	9.8	10.2
-28.75°	6.6	7.2	7.7	8.0	8.0	8.0	8.4	8.8	9.3	9.7	10.1
-30°	6.5	7.2	7.6	8.0	8.0	8.0	8.3	8.7	9.2	9.6	10.0
-31.25°	6.4	7.1	7.5	8.0	8.0	8.0	8.2	8.6	9.1	9.5	9.9
-32.5°	6.3	7.0	7.5	7.9	8.0	8.0	8.1	8.5	8.9	9.4	9.8
-33.75°	6.1	6.9	7.4	7.8	8.0	8.0	8.0	8.4	8.8	9.2	9.6
-35°	6.0	6.8	7.3	7.7	8.0	8.0	8.0	8.3	8.7	9.1	9.5
-36.25°	5.8	6.6	7.2	7.6	8.0	8.0	8.0	8.2	8.6	9.0	9.4
-37.5°	5.7	6.5	7.1	7.5	7.9	8.0	8.0	8.1	8.5	8.8	9.2
-38.75°	5.5	6.3	7.0	7.4	7.8	8.0	8.0	8.0	8.3	8.7	9.1
-40°	5.4	6.1	6.9	7.3	7.7	8.0	8.0	8.0	8.2	8.6	8.9
-41.25°	5.2	6.0	6.7	7.2	7.6	8.0	8.0	8.0	8.1	8.4	8.8
-42.5°	5.1	5.8	6.5	7.1	7.5	7.8	8.0	8.0	8.0	8.3	8.6
-43.75°	5.0	5.6	6.3	7.0	7.4	7.7	8.0	8.0	8.0	8.1	8.5
-45°	4.9	5.4	6.1	6.8	7.3	7.6	7.9	8.0	8.0	8.0	8.3
-46.25°	4.8	5.2	5.9	6.6	7.1	7.5	7.8	8.0	8.0	8.0	8.1
-47.5°	4.7	5.1	5.7	6.4	7.0	7.3	7.7	8.0	8.0	8.0	8.0
-48.75°	4.6	4.9	5.5	6.1	6.8	7.2	7.5	7.8	8.0	8.0	8.0
-50°	4.5	4.8	5.3	5.9	6.5	7.1	7.4	7.7	8.0	8.0	8.0
-51.25°	4.4	4.7	5.1	5.7	6.3	6.9	7.2	7.5	7.8	8.0	8.0
-52.5°	4.3	4.6	4.9	5.4	6.0	6.6	7.1	7.4	7.7	8.0	8.0
-53.75°	4.2	4.5	4.8	5.2	5.8	6.3	6.9	7.2	7.5	7.8	8.0
-55°	4.1	4.4	4.7	5.0	5.5	6.1	6.6	7.1	7.3	7.6	7.9
-56.25°	4.0	4.3	4.6	4.8	5.2	5.8	6.3	6.8	7.2	7.4	7.7
-57.5°	3.9	4.2	4.5	4.7	5.0	5.5	6.0	6.5	7.0	7.2	7.5
-58.75°	3.8	4.1	4.3	4.6	4.8	5.2	5.7	6.2	6.6	7.1	7.3
-60°	3.7	4.0	4.2	4.5	4.7	4.9	5.4	5.8	6.3	6.8	7.1
-61.25°	3.6	3.9	4.1	4.3	4.6	4.8	5.0	5.5	5.9	6.4	6.8
-62.5°	3.5	3.7	4.0	4.2	4.4	4.6	4.9	5.1	5.6	6.0	6.4
-63.75°	3.4	3.6	3.8	4.1	4.3	4.5	4.7	4.9	5.2	5.6	6.0
-65°	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.2	5.6
-66.25°	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.5	4.7	4.9	5.2
-67.5°	3.1	3.3	3.5	3.6	3.8	4.0	4.2	4.4	4.5	4.7	4.9
-68.75°	3.0	3.2	3.3	3.5	3.7	3.8	4.0	4.2	4.4	4.5	4.7
-70°	2.7	3.0	3.2	3.4	3.5	3.7	3.8	4.0	4.2	4.3	4.5
-71.25°	2.5	2.8	3.1	3.2	3.4	3.5	3.7	3.8	4.0	4.1	4.3
-72.5°	2.3	2.6	2.9	3.1	3.2	3.4	3.5	3.6	3.8	3.9	4.1
-73.75°	2.1	2.3	2.6	2.9	3.1	3.2	3.3	3.5	3.6	3.7	3.8
-75°	1.8	2.1	2.3	2.6	2.8	3.0	3.2	3.3	3.4	3.5	3.6
-76.25°	1.6	1.8	2.1	2.3	2.5	2.7	3.0	3.1	3.2	3.3	3.4
-77.5°	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.1	3.2



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	1.1	1.3	1.5	1.7	1.9	2.1	2.2	2.4	2.6	2.8	3.0
-80°	0.9	1.1	1.2	1.4	1.6	1.7	1.9	2.0	2.2	2.4	2.5
-81.25°	0.8	0.9	1.0	1.1	1.2	1.4	1.5	1.7	1.8	1.9	2.1
-82.5°	0.7	0.8	0.8	0.9	1.0	1.0	1.2	1.3	1.4	1.5	1.6
-83.75°	0.6	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.2
-85°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
-86.25°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7
-87.5°	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
-88.75°	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0
85°	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.6
83.75°	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.0	2.1	2.2
82.5°	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.9
81.25°	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.1	3.2	3.2
80°	2.7	2.8	3.0	3.1	3.1	3.2	3.3	3.4	3.4	3.5	3.6
78.75°	3.1	3.2	3.2	3.3	3.4	3.5	3.6	3.6	3.7	3.8	3.9
77.5°	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.1	4.2
76.25°	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5
75°	3.7	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8
73.75°	4.0	4.1	4.2	4.3	4.5	4.6	4.7	4.8	4.9	5.1	5.3
72.5°	4.2	4.3	4.5	4.6	4.7	4.8	5.0	5.2	5.4	5.7	5.9
71.25°	4.4	4.6	4.7	4.8	5.0	5.2	5.5	5.8	6.0	6.3	6.5
70°	4.6	4.8	4.9	5.2	5.5	5.8	6.1	6.3	6.6	6.9	7.1
68.75°	4.9	5.0	5.4	5.7	6.0	6.3	6.6	6.9	7.1	7.2	7.4
67.5°	5.1	5.5	5.8	6.2	6.5	6.8	7.1	7.2	7.4	7.5	7.7
66.25°	5.6	5.9	6.3	6.6	7.0	7.2	7.3	7.5	7.7	7.8	8.0
65°	6.0	6.4	6.8	7.1	7.2	7.4	7.6	7.8	8.0	8.0	8.0
63.75°	6.4	6.8	7.1	7.3	7.5	7.7	7.9	8.0	8.0	8.0	8.0
62.5°	6.8	7.1	7.3	7.5	7.7	7.9	8.0	8.0	8.0	8.0	8.0
61.25°	7.1	7.4	7.6	7.8	8.0	8.0	8.0	8.0	8.0	8.0	8.2
60°	7.3	7.6	7.8	8.0	8.0	8.0	8.0	8.0	8.1	8.3	8.5
58.75°	7.5	7.8	8.0	8.0	8.0	8.0	8.0	8.1	8.4	8.6	8.8
57.5°	7.7	8.0	8.0	8.0	8.0	8.0	8.2	8.4	8.6	8.9	9.1
56.25°	7.9	8.0	8.0	8.0	8.0	8.2	8.4	8.7	8.9	9.1	9.4
55°	8.0	8.0	8.0	8.0	8.2	8.4	8.7	8.9	9.2	9.4	9.7
53.75°	8.0	8.0	8.0	8.1	8.4	8.7	8.9	9.2	9.4	9.7	9.9
52.5°	8.0	8.0	8.1	8.4	8.6	8.9	9.2	9.4	9.7	10.0	10.2
51.25°	8.0	8.0	8.3	8.6	8.9	9.1	9.4	9.7	10.0	10.2	10.5
50°	8.0	8.2	8.5	8.8	9.1	9.4	9.7	9.9	10.2	10.5	10.8
48.75°	8.1	8.4	8.7	9.0	9.3	9.6	9.9	10.2	10.5	10.7	11.0
47.5°	8.3	8.6	8.9	9.2	9.5	9.8	10.1	10.4	10.7	11.0	11.0
46.25°	8.4	8.8	9.1	9.4	9.7	10.0	10.3	10.7	11.0	11.0	11.0
45°	8.6	9.0	9.3	9.6	9.9	10.3	10.6	10.9	11.0	11.0	11.0
43.75°	8.8	9.1	9.5	9.8	10.1	10.5	10.8	11.0	11.0	11.0	11.1
42.5°	9.0	9.3	9.7	10.0	10.3	10.7	11.0	11.0	11.0	11.0	11.3
41.25°	9.1	9.5	9.8	10.2	10.5	10.9	11.0	11.0	11.0	11.2	11.6
40°	9.3	9.6	10.0	10.4	10.7	11.0	11.0	11.0	11.1	11.5	11.8
38.75°	9.4	9.8	10.2	10.5	10.9	11.0	11.0	11.0	11.3	11.7	12.0
37.5°	9.6	10.0	10.3	10.7	11.0	11.0	11.0	11.2	11.6	11.9	12.3
36.25°	9.7	10.1	10.5	10.9	11.0	11.0	11.0	11.4	11.8	12.1	12.5
35°	9.9	10.3	10.7	11.0	11.0	11.0	11.2	11.6	12.0	12.3	12.7



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	10.0	10.4	10.8	11.0	11.0	11.0	11.4	11.8	12.2	12.5	12.9
32.5°	10.2	10.6	11.0	11.0	11.0	11.2	11.6	12.0	12.4	12.7	13.1
31.25°	10.3	10.7	11.0	11.0	11.0	11.3	11.7	12.1	12.5	12.9	13.3
30°	10.4	10.8	11.0	11.0	11.1	11.5	11.9	12.3	12.7	13.1	13.5
28.75°	10.6	11.0	11.0	11.0	11.2	11.7	12.1	12.5	12.9	13.3	13.7
27.5°	10.7	11.0	11.0	11.0	11.4	11.8	12.2	12.7	13.1	13.5	13.9
26.25°	10.8	11.0	11.0	11.1	11.5	12.0	12.4	12.8	13.2	13.7	14.1
25°	10.9	11.0	11.0	11.2	11.7	12.1	12.5	13.0	13.4	13.8	14.3
23.75°	11.0	11.0	11.0	11.3	11.8	12.2	12.7	13.1	13.5	14.0	14.4
22.5°	11.0	11.0	11.0	11.5	11.9	12.4	12.8	13.2	13.7	14.1	14.6
21.25°	11.0	11.0	11.1	11.6	12.0	12.5	12.9	13.4	13.8	14.3	14.7
20°	11.0	11.0	11.2	11.7	12.1	12.6	13.0	13.5	14.0	14.4	14.9
18.75°	11.0	11.0	11.3	11.8	12.2	12.7	13.2	13.6	14.1	14.5	15.0
17.5°	11.0	11.0	11.4	11.9	12.3	12.8	13.3	13.7	14.2	14.7	17.0
16.25°	11.0	11.0	11.5	11.9	12.4	12.9	13.4	13.8	14.3	14.8	18.9
15°	11.0	11.1	11.6	12.0	12.5	13.0	13.5	13.9	14.4	14.9	20.6
13.75°	11.0	11.1	11.6	12.1	12.6	13.1	13.5	14.0	14.5	15.0	22.3
12.5°	11.0	11.2	11.7	12.2	12.7	13.1	13.6	14.1	14.6	16.1	23.8
11.25°	11.0	11.3	11.7	12.2	12.7	13.2	13.7	14.2	14.7	17.4	25.1
10°	11.0	11.3	11.8	12.3	12.8	13.3	13.8	14.2	14.7	18.6	26.4
8.75°	11.0	11.4	11.8	12.3	12.8	13.3	13.8	14.3	14.8	19.6	27.4
7.5°	11.0	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.8	20.5	28.4
6.25°	11.0	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	21.3	29.2
5°	11.0	11.5	11.9	12.4	12.9	13.4	13.9	14.4	14.9	21.9	29.8
3.75°	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	22.4	30.3
2.5°	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	22.7	30.7
1.25°	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	22.9	30.9
0°	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	23.0	31.0
-1.25°	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	22.9	30.9
-2.5°	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	22.7	30.7
-3.75°	11.0	11.5	11.9	12.4	12.9	13.4	13.9	14.4	14.9	21.9	29.8
-5°	11.0	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	21.3	29.2
-6.25°	11.0	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.8	20.5	28.4
-7.5°	11.0	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.8	19.6	27.4
-8.75°	11.0	11.4	11.8	12.3	12.8	13.3	13.8	14.3	14.8	18.6	26.4
-10°	11.0	11.3	11.8	12.3	12.8	13.3	13.8	14.2	14.7	17.4	25.1
-11.25°	11.0	11.3	11.7	12.2	12.7	13.2	13.7	14.2	14.7	16.1	23.8
-12.5°	11.0	11.2	11.7	12.2	12.7	13.1	13.6	14.1	14.6	15.0	22.3
-13.75°	11.0	11.1	11.6	12.1	12.6	13.1	13.5	14.0	14.5	14.9	20.6
-15°	11.0	11.1	11.6	12.0	12.5	13.0	13.5	13.9	14.4	14.8	18.9
-16.25°	11.0	11.0	11.5	11.9	12.4	12.9	13.4	13.8	14.3	14.7	17.0
-17.5°	11.0	11.0	11.4	11.9	12.3	12.8	13.3	13.7	14.2	14.5	15.0
-18.75°	11.0	11.0	11.3	11.8	12.2	12.7	13.2	13.6	14.1	14.4	14.9
-20°	11.0	11.0	11.2	11.7	12.1	12.6	13.0	13.5	14.0	14.3	14.7
-21.25°	11.0	11.0	11.1	11.6	12.0	12.5	12.9	13.4	13.8	14.3	14.7





REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	11.0	11.0	11.0	11.5	11.9	12.4	12.8	13.2	13.7	14.1	14.6
-23.75°	11.0	11.0	11.0	11.3	11.8	12.2	12.7	13.1	13.5	14.0	14.4
-25°	10.9	11.0	11.0	11.2	11.7	12.1	12.5	13.0	13.4	13.8	14.3
-26.25°	10.8	11.0	11.0	11.1	11.5	12.0	12.4	12.8	13.2	13.7	14.1
-27.5°	10.7	11.0	11.0	11.0	11.4	11.8	12.2	12.7	13.1	13.5	13.9
-28.75°	10.6	11.0	11.0	11.0	11.2	11.7	12.1	12.5	12.9	13.3	13.7
-30°	10.4	10.8	11.0	11.0	11.1	11.5	11.9	12.3	12.7	13.1	13.5
-31.25°	10.3	10.7	11.0	11.0	11.0	11.3	11.7	12.1	12.5	12.9	13.3
-32.5°	10.2	10.6	11.0	11.0	11.0	11.2	11.6	12.0	12.4	12.7	13.1
-33.75°	10.0	10.4	10.8	11.0	11.0	11.0	11.4	11.8	12.2	12.5	12.9
-35°	9.9	10.3	10.7	11.0	11.0	11.0	11.2	11.6	12.0	12.3	12.7
-36.25°	9.7	10.1	10.5	10.9	11.0	11.0	11.0	11.4	11.8	12.1	12.5
-37.5°	9.6	10.0	10.3	10.7	11.0	11.0	11.0	11.2	11.6	11.9	12.3
-38.75°	9.4	9.8	10.2	10.5	10.9	11.0	11.0	11.0	11.3	11.7	12.0
-40°	9.3	9.6	10.0	10.4	10.7	11.0	11.0	11.0	11.1	11.5	11.8
-41.25°	9.1	9.5	9.8	10.2	10.5	10.9	11.0	11.0	11.0	11.2	11.6
-42.5°	9.0	9.3	9.7	10.0	10.3	10.7	11.0	11.0	11.0	11.0	11.3
-43.75°	8.8	9.1	9.5	9.8	10.1	10.5	10.8	11.0	11.0	11.0	11.1
-45°	8.6	9.0	9.3	9.6	9.9	10.3	10.6	10.9	11.0	11.0	11.0
-46.25°	8.4	8.8	9.1	9.4	9.7	10.0	10.3	10.7	11.0	11.0	11.0
-47.5°	8.3	8.6	8.9	9.2	9.5	9.8	10.1	10.4	10.7	11.0	11.0
-48.75°	8.1	8.4	8.7	9.0	9.3	9.6	9.9	10.2	10.5	10.7	11.0
-50°	8.0	8.2	8.5	8.8	9.1	9.4	9.7	9.9	10.2	10.5	10.8
-51.25°	8.0	8.0	8.3	8.6	8.9	9.1	9.4	9.7	10.0	10.2	10.5
-52.5°	8.0	8.0	8.1	8.4	8.6	8.9	9.2	9.4	9.7	10.0	10.2
-53.75°	8.0	8.0	8.0	8.1	8.4	8.7	8.9	9.2	9.4	9.7	9.9
-55°	8.0	8.0	8.0	8.0	8.2	8.4	8.7	8.9	9.2	9.4	9.7
-56.25°	7.9	8.0	8.0	8.0	8.0	8.2	8.4	8.7	8.9	9.1	9.4
-57.5°	7.7	8.0	8.0	8.0	8.0	8.0	8.2	8.4	8.6	8.9	9.1
-58.75°	7.5	7.8	8.0	8.0	8.0	8.0	8.0	8.1	8.4	8.6	8.8
-60°	7.3	7.6	7.8	8.0	8.0	8.0	8.0	8.0	8.1	8.3	8.5
-61.25°	7.1	7.4	7.6	7.8	8.0	8.0	8.0	8.0	8.0	8.0	8.2
-62.5°	6.8	7.1	7.3	7.5	7.7	7.9	8.0	8.0	8.0	8.0	8.0
-63.75°	6.4	6.8	7.1	7.3	7.5	7.7	7.9	8.0	8.0	8.0	8.0
-65°	6.0	6.4	6.8	7.1	7.2	7.4	7.6	7.8	8.0	8.0	8.0
-66.25°	5.6	5.9	6.3	6.6	7.0	7.2	7.3	7.5	7.7	7.8	8.0
-67.5°	5.1	5.5	5.8	6.2	6.5	6.8	7.1	7.2	7.4	7.5	7.7
-68.75°	4.9	5.0	5.4	5.7	6.0	6.3	6.6	6.9	7.1	7.2	7.4
-70°	4.6	4.8	4.9	5.2	5.5	5.8	6.1	6.3	6.6	6.9	7.1
-71.25°	4.4	4.6	4.7	4.8	5.0	5.2	5.5	5.8	6.0	6.3	6.5
-72.5°	4.2	4.3	4.5	4.6	4.7	4.8	5.0	5.2	5.4	5.7	5.9
-73.75°	4.0	4.1	4.2	4.3	4.5	4.6	4.7	4.8	4.9	5.1	5.3
-75°	3.7	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8
-76.25°	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5
-77.5°	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.1	4.2



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	3.1	3.2	3.2	3.3	3.4	3.5	3.6	3.6	3.7	3.8	3.9
-80°	2.7	2.8	3.0	3.1	3.1	3.2	3.3	3.4	3.4	3.5	3.6
-81.25°	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.1	3.2	3.2
-82.5°	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.9
-83.75°	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.0	2.1	2.2
-85°	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.6
-86.25°	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0
-87.5°	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
86.25°	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4
85°	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2
83.75°	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.0
82.5°	2.9	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.4	3.4
81.25°	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8
80°	3.6	3.7	3.8	3.8	3.9	3.9	4.0	4.1	4.1	4.2	4.2
78.75°	4.0	4.0	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.6	4.6
77.5°	4.3	4.4	4.4	4.5	4.6	4.7	4.7	4.8	4.9	5.0	5.0
76.25°	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.4	5.5	5.7	5.8
75°	4.9	5.1	5.2	5.4	5.6	5.8	6.0	6.1	6.3	6.5	6.6
73.75°	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.0	7.1	7.2
72.5°	6.1	6.4	6.6	6.8	7.0	7.1	7.2	7.3	7.4	7.5	7.6
71.25°	6.8	7.0	7.1	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0
70°	7.2	7.3	7.5	7.6	7.7	7.8	8.0	8.0	8.0	8.0	8.0
68.75°	7.5	7.7	7.8	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0
67.5°	7.8	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.2
66.25°	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.2	8.3	8.5	8.6
65°	8.0	8.0	8.0	8.0	8.1	8.3	8.4	8.6	8.7	8.8	9.0
63.75°	8.0	8.0	8.1	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4
62.5°	8.1	8.3	8.4	8.6	8.8	9.0	9.1	9.3	9.4	9.6	9.7
61.25°	8.4	8.6	8.8	9.0	9.1	9.3	9.5	9.6	9.8	10.0	10.1
60°	8.7	8.9	9.1	9.3	9.5	9.7	9.8	10.0	10.2	10.3	10.5
58.75°	9.0	9.2	9.4	9.6	9.8	10.0	10.2	10.4	10.5	10.7	10.9
57.5°	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.0	11.0
56.25°	9.6	9.8	10.0	10.3	10.5	10.7	10.9	11.0	11.0	11.0	11.0
55°	9.9	10.1	10.3	10.6	10.8	11.0	11.0	11.0	11.0	11.0	11.0
53.75°	10.2	10.4	10.7	10.9	11.0	11.0	11.0	11.0	11.0	11.2	11.4
52.5°	10.5	10.7	11.0	11.0	11.0	11.0	11.0	11.1	11.3	11.6	11.8
51.25°	10.7	11.0	11.0	11.0	11.0	11.0	11.2	11.5	11.7	11.9	12.1
50°	11.0	11.0	11.0	11.0	11.1	11.3	11.6	11.8	12.0	12.3	12.5
48.75°	11.0	11.0	11.0	11.1	11.4	11.6	11.9	12.1	12.4	12.6	12.8
47.5°	11.0	11.0	11.1	11.4	11.7	11.9	12.2	12.5	12.7	13.0	13.2
46.25°	11.0	11.1	11.4	11.7	12.0	12.3	12.5	12.8	13.1	13.3	13.6
45°	11.1	11.4	11.7	12.0	12.3	12.6	12.8	13.1	13.4	13.6	13.9
43.75°	11.4	11.7	12.0	12.3	12.6	12.9	13.2	13.4	13.7	14.0	14.3
42.5°	11.6	11.9	12.3	12.6	12.9	13.2	13.5	13.8	14.0	14.3	14.6
41.25°	11.9	12.2	12.5	12.8	13.2	13.5	13.8	14.1	14.4	14.6	14.9
40°	12.1	12.5	12.8	13.1	13.4	13.8	14.1	14.4	14.7	15.0	19.2
38.75°	12.4	12.7	13.1	13.4	13.7	14.0	14.4	14.7	15.0	19.6	24.4
37.5°	12.6	13.0	13.3	13.6	14.0	14.3	14.6	15.0	19.6	24.6	29.6
36.25°	12.8	13.2	13.6	13.9	14.3	14.6	14.9	19.2	24.4	29.6	39.2
35°	13.1	13.4	13.8	14.2	14.5	14.9	18.3	23.7	29.1	38.7	50.4



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	13.3	13.7	14.0	14.4	14.8	17.0	22.6	28.2	37.1	49.3	61.4
32.5°	13.5	13.9	14.3	14.6	15.2	21.1	26.9	34.5	47.2	59.8	72.8
31.25°	13.7	14.1	14.5	14.9	19.1	25.1	31.0	44.1	57.1	70.4	84.8
30°	13.9	14.3	14.7	16.7	22.8	29.0	40.0	53.5	66.8	81.7	96.5
28.75°	14.1	14.5	14.9	20.2	26.5	34.9	48.8	62.6	77.4	92.8	107.9
27.5°	14.3	14.7	17.1	23.6	30.0	43.1	57.3	72.0	87.8	103.5	118.2
26.25°	14.5	14.9	20.3	26.9	36.5	51.1	65.6	81.7	97.9	113.5	128.2
25°	14.7	16.6	23.4	30.1	43.9	58.8	74.4	91.1	107.6	122.8	137.8
23.75°	14.8	19.5	26.3	35.8	51.0	66.2	83.2	100.1	116.3	131.8	147.3
22.5°	15.2	22.2	29.1	42.4	57.9	74.1	91.5	108.8	124.7	140.5	157.7
21.25°	17.7	24.8	32.8	48.7	64.4	81.8	99.6	116.5	132.7	149.2	167.7
20°	20.0	27.2	38.6	54.6	71.1	89.2	107.2	123.8	140.3	158.4	177.2
18.75°	22.3	29.5	44.0	60.3	77.8	96.2	114.0	130.8	147.8	167.1	186.2
17.5°	24.4	32.7	49.2	65.6	84.1	102.8	120.3	137.4	155.8	175.4	196.3
16.25°	26.3	37.3	54.0	71.2	90.1	108.9	126.3	143.6	163.3	183.1	206.8
15°	28.2	41.6	58.5	76.5	95.6	114.2	131.9	150.0	170.3	190.6	216.6
13.75°	29.9	45.6	62.7	81.4	100.8	119.2	137.0	156.2	176.8	199.3	225.7
12.5°	32.0	49.3	66.5	86.0	105.5	123.8	141.8	162.0	182.7	207.4	234.2
11.25°	35.2	52.6	70.4	90.1	109.7	127.9	146.2	167.2	188.2	214.8	241.9
10°	38.1	55.6	73.9	93.8	113.3	131.7	150.7	171.9	194.1	221.5	249.1
8.75°	40.6	58.2	77.1	97.1	116.5	135.0	154.7	176.1	199.7	227.4	256.4
7.5°	42.8	60.6	79.8	100.0	119.3	137.9	158.2	179.8	204.7	232.5	262.7
6.25°	44.7	62.5	82.2	102.4	121.6	140.4	161.2	182.9	208.9	236.9	268.1
5°	46.3	64.1	84.1	104.4	123.5	142.4	163.6	185.4	212.3	240.5	272.6
3.75°	47.5	65.4	85.6	106.0	125.1	144.0	165.5	187.4	215.0	243.4	276.0
2.5°	48.3	66.3	86.6	107.1	126.1	145.1	166.9	188.9	217.0	245.4	278.5
1.25°	48.8	66.8	87.3	107.8	126.8	145.8	167.7	189.7	218.1	246.6	280.0
0°	49.0	67.0	87.5	108.0	127.0	146.0	168.0	190.0	218.5	247.0	280.5
-1.25°	48.8	66.8	87.3	107.8	126.8	145.8	167.7	189.7	218.1	246.6	280.0
-2.5°	48.3	66.3	86.6	107.1	126.1	145.1	166.9	188.9	217.0	245.4	278.5
-3.75°	47.5	65.4	85.6	106.0	125.1	144.0	165.5	187.4	215.0	243.4	276.0
-5°	46.3	64.1	84.1	104.4	123.5	142.4	163.6	185.4	212.3	240.5	272.6
-6.25°	44.7	62.5	82.2	102.4	121.6	140.4	161.2	182.9	208.9	236.9	268.1
-7.5°	42.8	60.6	79.8	100.0	119.3	137.9	158.2	179.8	204.7	232.5	262.7
-8.75°	40.6	58.2	77.1	97.1	116.5	135.0	154.7	176.1	199.7	227.4	256.4
-10°	38.1	55.6	73.9	93.8	113.3	131.7	150.7	171.9	194.1	221.5	249.1
-11.25°	35.2	52.6	70.4	90.1	109.7	127.9	146.2	167.2	188.2	214.8	241.9
-12.5°	32.0	49.3	66.5	86.0	105.5	123.8	141.8	162.0	182.7	207.4	234.2
-13.75°	29.9	45.6	62.7	81.4	100.8	119.2	137.0	156.2	176.8	199.3	225.7
-15°	28.2	41.6	58.5	76.5	95.6	114.2	131.9	150.0	170.3	190.6	216.6
-16.25°	26.3	37.3	54.0	71.2	90.1	108.9	126.3	143.6	163.3	183.1	206.8
-17.5°	24.4	32.7	49.2	65.6	84.1	102.8	120.3	137.4	155.8	175.4	196.3
-18.75°	22.3	29.5	44.0	60.3	77.8	96.2	114.0	130.8	147.8	167.1	186.2
-20°	20.0	27.2	38.6	54.6	71.1	89.2	107.2	123.8	140.3	158.4	177.2
-21.25°	17.7	24.8	32.8	48.7	64.4	81.8	99.6	116.5	132.7	149.2	167.7



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	15.2	22.2	29.1	42.4	57.9	74.1	91.5	108.8	124.7	140.5	157.7
-23.75°	14.8	19.5	26.3	35.8	51.0	66.2	83.2	100.1	116.3	131.8	147.3
-25°	14.7	16.6	23.4	30.1	43.9	58.8	74.4	91.1	107.6	122.8	137.8
-26.25°	14.5	14.9	20.3	26.9	36.5	51.1	65.6	81.7	97.9	113.5	128.2
-27.5°	14.3	14.7	17.1	23.6	30.0	43.1	57.3	72.0	87.8	103.5	118.2
-28.75°	14.1	14.5	14.9	20.2	26.5	34.9	48.8	62.6	77.4	92.8	107.9
-30°	13.9	14.3	14.7	16.7	22.8	29.0	40.0	53.5	66.8	81.7	96.5
-31.25°	13.7	14.1	14.5	14.9	19.1	25.1	31.0	44.1	57.1	70.4	84.8
-32.5°	13.5	13.9	14.3	14.6	15.2	21.1	26.9	34.5	47.2	59.8	72.8
-33.75°	13.3	13.7	14.0	14.4	14.8	17.0	22.6	28.2	37.1	49.3	61.4
-35°	13.1	13.4	13.8	14.2	14.5	14.9	18.3	23.7	29.1	38.7	50.4
-36.25°	12.8	13.2	13.6	13.9	14.3	14.6	14.9	19.2	24.4	29.6	39.2
-37.5°	12.6	13.0	13.3	13.6	14.0	14.3	14.6	15.0	19.6	24.6	29.6
-38.75°	12.4	12.7	13.1	13.4	13.7	14.0	14.4	14.7	15.0	19.6	24.4
-40°	12.1	12.5	12.8	13.1	13.4	13.8	14.1	14.4	14.7	15.0	19.2
-41.25°	11.9	12.2	12.5	12.8	13.2	13.5	13.8	14.1	14.4	14.6	14.9
-42.5°	11.6	11.9	12.3	12.6	12.9	13.2	13.5	13.8	14.0	14.3	14.6
-43.75°	11.4	11.7	12.0	12.3	12.6	12.9	13.2	13.4	13.7	14.0	14.3
-45°	11.1	11.4	11.7	12.0	12.3	12.6	12.8	13.1	13.4	13.6	13.9
-46.25°	11.0	11.1	11.4	11.7	12.0	12.3	12.5	12.8	13.1	13.3	13.6
-47.5°	11.0	11.0	11.1	11.4	11.7	11.9	12.2	12.5	12.7	13.0	13.2
-48.75°	11.0	11.0	11.0	11.1	11.4	11.6	11.9	12.1	12.4	12.6	12.8
-50°	11.0	11.0	11.0	11.0	11.1	11.3	11.6	11.8	12.0	12.3	12.5
-51.25°	10.7	11.0	11.0	11.0	11.0	11.0	11.2	11.5	11.7	11.9	12.1
-52.5°	10.5	10.7	11.0	11.0	11.0	11.0	11.0	11.1	11.3	11.6	11.8
-53.75°	10.2	10.4	10.7	10.9	11.0	11.0	11.0	11.0	11.0	11.2	11.4
-55°	9.9	10.1	10.3	10.6	10.8	11.0	11.0	11.0	11.0	11.0	11.0
-56.25°	9.6	9.8	10.0	10.3	10.5	10.7	10.9	11.0	11.0	11.0	11.0
-57.5°	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.0	11.0
-58.75°	9.0	9.2	9.4	9.6	9.8	10.0	10.2	10.4	10.5	10.7	10.9
-60°	8.7	8.9	9.1	9.3	9.5	9.7	9.8	10.0	10.2	10.3	10.5
-61.25°	8.4	8.6	8.8	9.0	9.1	9.3	9.5	9.6	9.8	10.0	10.1
-62.5°	8.1	8.3	8.4	8.6	8.8	9.0	9.1	9.3	9.4	9.6	9.7
-63.75°	8.0	8.0	8.1	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4
-65°	8.0	8.0	8.0	8.0	8.1	8.3	8.4	8.6	8.7	8.8	9.0
-66.25°	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.2	8.3	8.5	8.6
-67.5°	7.8	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.2
-68.75°	7.5	7.7	7.8	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-70°	7.2	7.3	7.5	7.6	7.7	7.8	8.0	8.0	8.0	8.0	8.0
-71.25°	6.8	7.0	7.1	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0
-72.5°	6.1	6.4	6.6	6.8	7.0	7.1	7.2	7.3	7.4	7.5	7.6
-73.75°	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.0	7.1	7.2
-75°	4.9	5.1	5.2	5.4	5.6	5.8	6.0	6.1	6.3	6.5	6.6
-76.25°	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.4	5.5	5.7	5.8
-77.5°	4.3	4.4	4.4	4.5	4.6	4.7	4.7	4.8	4.9	5.0	5.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	4.0	4.0	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.6	4.6
-80°	3.6	3.7	3.8	3.8	3.9	3.9	4.0	4.1	4.1	4.2	4.2
-81.25°	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8
-82.5°	2.9	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.4	3.4
-83.75°	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.0
-85°	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2
-86.25°	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
-88.75°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
87.5°	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
86.25°	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.8
85°	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.7	2.7
83.75°	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.3	3.3	3.3
82.5°	3.5	3.5	3.5	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.8
81.25°	3.9	3.9	3.9	4.0	4.0	4.1	4.1	4.1	4.2	4.2	4.2
80°	4.3	4.3	4.4	4.4	4.5	4.5	4.5	4.6	4.6	4.7	4.7
78.75°	4.7	4.7	4.8	4.8	4.9	4.9	5.0	5.1	5.1	5.2	5.3
77.5°	5.2	5.3	5.4	5.5	5.6	5.8	5.9	6.0	6.1	6.1	6.2
76.25°	6.0	6.1	6.3	6.4	6.5	6.6	6.7	6.8	7.0	7.0	7.1
75°	6.8	6.9	7.0	7.1	7.2	7.2	7.3	7.4	7.4	7.5	7.5
73.75°	7.3	7.4	7.5	7.5	7.6	7.7	7.7	7.8	7.9	7.9	8.0
72.5°	7.7	7.8	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
71.25°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
70°	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.1	8.2	8.3	8.4
68.75°	8.0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.7	8.8
67.5°	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3
66.25°	8.7	8.8	8.9	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.7
65°	9.1	9.2	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2
63.75°	9.5	9.6	9.8	9.9	10.0	10.1	10.2	10.3	10.5	10.6	10.6
62.5°	9.9	10.0	10.2	10.3	10.4	10.6	10.7	10.8	10.9	11.0	11.0
61.25°	10.3	10.4	10.6	10.7	10.8	11.0	11.0	11.0	11.0	11.0	11.0
60°	10.7	10.8	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
58.75°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.1	11.2	11.3	11.5
57.5°	11.0	11.0	11.0	11.0	11.1	11.2	11.4	11.5	11.7	11.8	11.9
56.25°	11.0	11.0	11.2	11.3	11.5	11.7	11.8	12.0	12.1	12.2	12.4
55°	11.2	11.4	11.6	11.7	11.9	12.1	12.2	12.4	12.5	12.7	12.8
53.75°	11.6	11.8	12.0	12.1	12.3	12.5	12.7	12.8	13.0	13.1	13.2
52.5°	12.0	12.2	12.4	12.5	12.7	12.9	13.1	13.2	13.4	13.5	13.7
51.25°	12.3	12.5	12.7	12.9	13.1	13.3	13.5	13.7	13.8	14.0	14.1
50°	12.7	12.9	13.1	13.3	13.5	13.7	13.9	14.1	14.3	14.4	14.6
48.75°	13.1	13.3	13.5	13.7	13.9	14.1	14.3	14.5	14.7	14.8	15.2
47.5°	13.4	13.7	13.9	14.1	14.3	14.5	14.7	14.9	16.6	19.5	22.2
46.25°	13.8	14.0	14.3	14.5	14.7	14.9	17.1	20.3	23.4	26.3	29.1
45°	14.2	14.4	14.6	14.9	16.7	20.2	23.6	26.9	30.1	35.8	42.4
43.75°	14.5	14.8	15.2	19.1	22.8	26.5	30.0	36.5	43.9	51.0	57.9
42.5°	14.9	17.0	21.1	25.1	29.0	34.9	43.1	51.1	58.8	66.2	74.1
41.25°	18.3	22.6	26.9	31.0	40.0	48.8	57.3	65.6	74.4	83.2	91.5
40°	23.7	28.2	34.5	44.1	53.5	62.6	72.0	81.7	91.1	100.1	108.8
38.75°	29.1	37.1	47.2	57.1	66.8	77.4	87.8	97.9	107.6	116.3	124.7
37.5°	38.7	49.3	59.8	70.4	81.7	92.8	103.5	113.5	122.8	131.8	140.5
36.25°	50.4	61.4	72.8	84.8	96.5	107.9	118.2	128.2	137.8	147.3	157.7
35°	61.9	74.0	86.7	99.0	110.8	121.7	132.3	142.7	153.7	164.9	175.6



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	74.0	87.3	100.3	112.6	124.1	135.4	146.4	158.7	170.6	182.2	194.3
32.5°	86.7	100.3	113.2	125.3	137.2	149.2	162.3	175.0	187.4	202.1	217.1
31.25°	99.0	112.6	125.3	137.8	150.6	164.5	178.0	191.4	208.0	224.0	239.5
30°	110.8	124.1	137.2	150.6	165.2	179.4	194.3	211.9	229.0	245.6	264.2
28.75°	121.7	135.4	149.2	164.5	179.4	195.3	213.9	232.0	250.1	270.2	289.7
27.5°	132.3	146.4	162.3	178.0	194.3	213.9	233.0	252.5	273.9	294.7	315.0
26.25°	142.7	158.7	175.0	191.4	211.9	232.0	252.5	275.2	297.2	319.4	343.0
25°	153.7	170.6	187.4	208.0	229.0	250.1	273.9	297.2	320.8	346.0	370.5
23.75°	164.9	182.2	202.1	224.0	245.6	270.2	294.7	319.4	346.0	372.0	398.3
22.5°	175.6	194.3	217.1	239.5	264.2	289.7	315.0	343.0	370.5	398.3	427.8
21.25°	185.9	208.2	231.4	255.7	282.3	308.6	337.1	365.9	394.8	426.1	456.6
20°	197.6	221.5	245.2	272.5	299.8	328.4	358.4	388.0	420.7	452.9	484.9
18.75°	209.8	234.2	260.4	288.6	316.8	348.0	378.9	411.8	445.6	478.9	513.1
17.5°	221.3	246.2	275.1	303.9	334.8	366.8	399.4	434.7	469.5	504.9	543.9
16.25°	232.2	259.4	289.0	318.9	351.9	384.5	420.4	456.5	492.9	532.1	569.8
15°	242.5	271.9	302.0	334.3	367.9	402.8	440.1	477.2	515.9	557.9	592.5
13.75°	252.9	283.6	314.2	348.7	382.9	420.5	458.7	497.4	540.0	578.8	612.4
12.5°	263.2	294.4	327.0	362.0	397.7	436.9	475.8	516.8	560.8	597.3	629.7
11.25°	272.7	304.2	338.6	374.2	412.2	452.0	492.4	536.6	578.0	613.7	645.3
10°	281.2	313.2	349.2	385.3	425.3	465.7	507.4	554.2	593.0	627.6	659.1
8.75°	288.8	322.0	358.6	395.8	436.9	478.1	522.1	567.6	605.8	639.8	671.4
7.5°	295.4	329.9	366.9	405.5	447.2	489.3	535.5	579.3	617.0	650.3	682.0
6.25°	301.0	336.6	373.9	413.8	455.9	498.9	547.0	589.1	625.8	659.2	691.0
5°	305.7	342.1	379.6	420.7	463.1	506.8	555.9	596.6	633.0	666.5	698.5
3.75°	309.3	346.4	384.2	426.1	468.7	513.1	562.0	602.6	638.7	672.3	704.6
2.5°	311.9	349.5	387.4	429.9	472.8	518.2	566.4	606.8	642.7	676.3	709.0
1.25°	313.5	351.4	389.3	432.2	475.2	521.2	569.1	609.4	645.2	678.7	711.6
0°	314.0	352.0	390.0	433.0	476.0	522.3	570.0	610.3	646.0	679.5	712.5
-1.25°	313.5	351.4	389.3	432.2	475.2	521.2	569.1	609.4	645.2	678.7	711.6
-2.5°	311.9	349.5	387.4	429.9	472.8	518.2	566.4	606.8	642.7	676.3	709.0
-3.75°	309.3	346.4	384.2	426.1	468.7	513.1	562.0	602.6	638.7	672.3	704.6
-5°	305.7	342.1	379.6	420.7	463.1	506.8	555.9	596.6	633.0	666.5	698.5
-6.25°	301.0	336.6	373.9	413.8	455.9	498.9	547.0	589.1	625.8	659.2	691.0
-7.5°	295.4	329.9	366.9	405.5	447.2	489.3	535.5	579.3	617.0	650.3	682.0
-8.75°	288.8	322.0	358.6	395.8	436.9	478.1	522.1	567.6	605.8	639.8	671.4
-10°	281.2	313.2	349.2	385.3	425.3	465.7	507.4	554.2	593.0	627.6	659.1
-11.25°	272.7	304.2	338.6	374.2	412.2	452.0	492.4	536.6	578.0	613.7	645.3
-12.5°	263.2	294.4	327.0	362.0	397.7	436.9	475.8	516.8	560.8	597.3	629.7
-13.75°	252.9	283.6	314.2	348.7	382.9	420.5	458.7	497.4	540.0	578.8	612.4
-15°	242.5	271.9	302.0	334.3	367.9	402.8	440.1	477.2	515.9	557.9	592.5
-16.25°	232.2	259.4	289.0	318.9	351.9	384.5	420.4	456.5	492.9	532.1	569.8
-17.5°	221.3	246.2	275.1	303.9	334.8	366.8	399.4	434.7	469.5	504.9	543.9
-18.75°	209.8	234.2	260.4	288.6	316.8	348.0	378.9	411.8	445.6	478.9	513.1
-20°	197.6	221.5	245.2	272.5	299.8	328.4	358.4	388.0	420.7	452.9	484.9
-21.25°	185.9	208.2	231.4	255.7	282.3	308.6	337.1	365.9	394.8	426.1	456.6





REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	175.6	194.3	217.1	239.5	264.2	289.7	315.0	343.0	370.5	398.3	427.8
-23.75°	164.9	182.2	202.1	224.0	245.6	270.2	294.7	319.4	346.0	372.0	398.3
-25°	153.7	170.6	187.4	208.0	229.0	250.1	273.9	297.2	320.8	346.0	370.5
-26.25°	142.7	158.7	175.0	191.4	211.9	232.0	252.5	275.2	297.2	319.4	343.0
-27.5°	132.3	146.4	162.3	178.0	194.3	213.9	233.0	252.5	273.9	294.7	315.0
-28.75°	121.7	135.4	149.2	164.5	179.4	195.3	213.9	232.0	250.1	270.2	289.7
-30°	110.8	124.1	137.2	150.6	165.2	179.4	194.3	211.9	229.0	245.6	264.2
-31.25°	99.0	112.6	125.3	137.8	150.6	164.5	178.0	191.4	208.0	224.0	239.5
-32.5°	86.7	100.3	113.2	125.3	137.2	149.2	162.3	175.0	187.4	202.1	217.1
-33.75°	74.0	87.3	100.3	112.6	124.1	135.4	146.4	158.7	170.6	182.2	194.3
-35°	61.9	74.0	86.7	99.0	110.8	121.7	132.3	142.7	153.7	164.9	175.6
-36.25°	50.4	61.4	72.8	84.8	96.5	107.9	118.2	128.2	137.8	147.3	157.7
-37.5°	38.7	49.3	59.8	70.4	81.7	92.8	103.5	113.5	122.8	131.8	140.5
-38.75°	29.1	37.1	47.2	57.1	66.8	77.4	87.8	97.9	107.6	116.3	124.7
-40°	23.7	28.2	34.5	44.1	53.5	62.6	72.0	81.7	91.1	100.1	108.8
-41.25°	18.3	22.6	26.9	31.0	40.0	48.8	57.3	65.6	74.4	83.2	91.5
-42.5°	14.9	17.0	21.1	25.1	29.0	34.9	43.1	51.1	58.8	66.2	74.1
-43.75°	14.5	14.8	15.2	19.1	22.8	26.5	30.0	36.5	43.9	51.0	57.9
-45°	14.2	14.4	14.6	14.9	16.7	20.2	23.6	26.9	30.1	35.8	42.4
-46.25°	13.8	14.0	14.3	14.5	14.7	14.9	17.1	20.3	23.4	26.3	29.1
-47.5°	13.4	13.7	13.9	14.1	14.3	14.5	14.7	14.9	16.6	19.5	22.2
-48.75°	13.1	13.3	13.5	13.7	13.9	14.1	14.3	14.5	14.7	14.8	15.2
-50°	12.7	12.9	13.1	13.3	13.5	13.7	13.9	14.1	14.3	14.4	14.6
-51.25°	12.3	12.5	12.7	12.9	13.1	13.3	13.5	13.7	13.8	14.0	14.1
-52.5°	12.0	12.2	12.4	12.5	12.7	12.9	13.1	13.2	13.4	13.5	13.7
-53.75°	11.6	11.8	12.0	12.1	12.3	12.5	12.7	12.8	13.0	13.1	13.2
-55°	11.2	11.4	11.6	11.7	11.9	12.1	12.2	12.4	12.5	12.7	12.8
-56.25°	11.0	11.0	11.2	11.3	11.5	11.7	11.8	12.0	12.1	12.2	12.4
-57.5°	11.0	11.0	11.0	11.0	11.1	11.2	11.4	11.5	11.7	11.8	11.9
-58.75°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.1	11.2	11.3	11.5
-60°	10.7	10.8	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
-61.25°	10.3	10.4	10.6	10.7	10.8	11.0	11.0	11.0	11.0	11.0	11.0
-62.5°	9.9	10.0	10.2	10.3	10.4	10.6	10.7	10.8	10.9	11.0	11.0
-63.75°	9.5	9.6	9.8	9.9	10.0	10.1	10.2	10.3	10.5	10.6	10.6
-65°	9.1	9.2	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2
-66.25°	8.7	8.8	8.9	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.7
-67.5°	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3
-68.75°	8.0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.7	8.8
-70°	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.1	8.2	8.3	8.4
-71.25°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-72.5°	7.7	7.8	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-73.75°	7.3	7.4	7.5	7.5	7.6	7.7	7.7	7.8	7.9	7.9	8.0
-75°	6.8	6.9	7.0	7.1	7.2	7.2	7.3	7.4	7.4	7.5	7.5
-76.25°	6.0	6.1	6.3	6.4	6.5	6.6	6.7	6.8	7.0	7.0	7.1
-77.5°	5.2	5.3	5.4	5.5	5.6	5.8	5.9	6.0	6.1	6.1	6.2



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	4.7	4.7	4.8	4.8	4.9	4.9	5.0	5.1	5.1	5.2	5.3
-80°	4.3	4.3	4.4	4.4	4.5	4.5	4.5	4.6	4.6	4.7	4.7
-81.25°	3.9	3.9	3.9	4.0	4.0	4.1	4.1	4.1	4.2	4.2	4.2
-82.5°	3.5	3.5	3.5	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.8
-83.75°	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.3	3.3	3.3
-85°	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.7	2.7
-86.25°	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.8
-87.5°	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
86.25°	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0
85°	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	3.0
83.75°	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5
82.5°	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0
81.25°	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.5
80°	4.7	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9	5.0
78.75°	5.4	5.5	5.5	5.6	5.6	5.7	5.7	5.8	5.8	5.9	5.9
77.5°	6.3	6.4	6.5	6.5	6.6	6.7	6.7	6.8	6.8	6.8	6.9
76.25°	7.1	7.2	7.2	7.2	7.3	7.3	7.3	7.4	7.4	7.4	7.4
75°	7.6	7.6	7.7	7.7	7.8	7.8	7.8	7.9	7.9	7.9	7.9
73.75°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
72.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
71.25°	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.4	8.4	8.4
70°	8.4	8.5	8.6	8.6	8.7	8.7	8.8	8.8	8.8	8.9	8.9
68.75°	8.9	9.0	9.0	9.1	9.1	9.2	9.2	9.3	9.3	9.4	9.4
67.5°	9.4	9.4	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.9	9.9
66.25°	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.3	10.3	10.3	10.4
65°	10.3	10.4	10.4	10.5	10.6	10.6	10.7	10.7	10.8	10.8	10.9
63.75°	10.7	10.8	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
62.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
61.25°	11.0	11.0	11.0	11.0	11.0	11.1	11.1	11.2	11.3	11.3	11.4
60°	11.1	11.2	11.3	11.4	11.5	11.6	11.6	11.7	11.7	11.8	11.8
58.75°	11.6	11.7	11.8	11.9	11.9	12.0	12.1	12.2	12.2	12.3	12.3
57.5°	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.7	12.8	12.8
56.25°	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.1	13.2	13.3	13.3
55°	12.9	13.0	13.2	13.3	13.4	13.5	13.5	13.6	13.7	13.8	13.8
53.75°	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.2	14.3
52.5°	13.8	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.7	14.8
51.25°	14.3	14.4	14.5	14.7	14.8	14.9	15.0	16.1	17.4	18.6	19.6
50°	14.7	14.9	15.0	17.0	18.9	20.6	22.3	23.8	25.1	26.4	27.4
48.75°	17.7	20.0	22.3	24.4	26.3	28.2	29.9	32.0	35.2	38.1	40.6
47.5°	24.8	27.2	29.5	32.7	37.3	41.6	45.6	49.3	52.6	55.6	58.2
46.25°	32.8	38.6	44.0	49.2	54.0	58.5	62.7	66.5	70.4	73.9	77.1
45°	48.7	54.6	60.3	65.6	71.2	76.5	81.4	86.0	90.1	93.8	97.1
43.75°	64.4	71.1	77.8	84.1	90.1	95.6	100.8	105.5	109.7	113.3	116.5
42.5°	81.8	89.2	96.2	102.8	108.9	114.2	119.2	123.8	127.9	131.7	135.0
41.25°	99.6	107.2	114.0	120.3	126.3	131.9	137.0	141.8	146.2	150.7	154.7
40°	116.5	123.8	130.8	137.4	143.6	150.0	156.2	162.0	167.2	171.9	176.1
38.75°	132.7	140.3	147.8	155.8	163.3	170.3	176.8	182.7	188.2	194.1	199.7
37.5°	149.2	158.4	167.1	175.4	183.1	190.6	199.3	207.4	214.8	221.5	227.4
36.25°	167.7	177.2	186.2	196.3	206.8	216.6	225.7	234.2	241.9	249.1	256.4
35°	185.9	197.6	209.8	221.3	232.2	242.5	252.9	263.2	272.7	281.2	288.8



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	208.2	221.5	234.2	246.2	259.4	271.9	283.6	294.4	304.2	313.2	322.0
32.5°	231.4	245.2	260.4	275.1	289.0	302.0	314.2	327.0	338.6	349.2	358.6
31.25°	255.7	272.5	288.6	303.9	318.9	334.3	348.7	362.0	374.2	385.3	395.8
30°	282.3	299.8	316.8	334.8	351.9	367.9	382.9	397.7	412.2	425.3	436.9
28.75°	308.6	328.4	348.0	366.8	384.5	402.8	420.5	436.9	452.0	465.7	478.1
27.5°	337.1	358.4	378.9	399.4	420.4	440.1	458.7	475.8	492.4	507.4	522.1
26.25°	365.9	388.0	411.8	434.7	456.5	477.2	497.4	516.8	536.6	554.2	567.6
25°	394.8	420.7	445.6	469.5	492.9	515.9	540.0	560.8	578.0	593.0	605.8
23.75°	426.1	452.9	478.9	504.9	532.1	557.9	578.8	597.3	613.7	627.6	639.8
22.5°	456.6	484.9	513.1	543.9	569.8	592.5	612.4	629.7	645.3	659.1	671.4
21.25°	486.8	517.7	551.0	577.9	601.9	623.3	642.2	659.3	675.0	689.0	701.6
20°	517.7	553.3	581.9	607.6	630.4	651.0	670.0	687.3	703.5	718.7	732.8
18.75°	551.0	581.9	609.5	633.9	656.3	677.1	696.3	714.9	732.7	749.4	763.8
17.5°	577.9	607.6	633.9	658.1	680.6	701.8	722.7	743.0	761.6	778.0	793.9
16.25°	601.9	630.4	656.3	680.6	703.7	726.7	749.3	769.6	789.0	807.7	826.0
15°	623.3	651.0	677.1	701.8	726.7	751.5	773.7	795.9	817.8	839.1	859.2
13.75°	642.2	670.0	696.3	722.7	749.3	773.7	798.2	823.0	847.4	870.8	892.9
12.5°	659.3	687.3	714.9	743.0	769.6	795.9	823.0	850.2	876.8	902.3	926.0
11.25°	675.0	703.5	732.7	761.6	789.0	817.8	847.4	876.8	905.5	932.7	955.7
10°	689.0	718.7	749.4	778.0	807.7	839.1	870.8	902.3	932.7	958.9	979.8
8.75°	701.6	732.8	763.8	793.9	826.0	859.2	892.9	926.0	955.7	979.8	1000.3
7.5°	713.1	745.4	776.3	808.2	842.5	877.6	912.9	946.1	974.1	997.5	1017.9
6.25°	723.1	756.2	787.6	821.5	857.2	893.9	930.5	963.1	989.3	1012.5	1033.2
5°	731.5	764.6	797.3	832.6	869.6	907.6	944.2	975.2	1001.4	1024.6	1046.6
3.75°	738.2	771.3	805.0	841.6	879.7	918.6	955.0	985.0	1011.0	1034.5	1056.7
2.5°	743.1	776.1	810.7	848.2	887.0	926.5	962.7	991.6	1017.6	1041.9	1064.2
1.25°	746.0	779.0	814.3	852.2	891.5	931.4	966.7	995.7	1021.6	1046.5	1068.4
0°	747.0	780.0	815.5	853.5	893.0	933.0	968.0	997.0	1023.0	1048.0	1069.8
-1.25°	746.0	779.0	814.3	852.2	891.5	931.4	966.7	995.7	1021.6	1046.5	1068.4
-2.5°	743.1	776.1	810.7	848.2	887.0	926.5	962.7	991.6	1017.6	1041.9	1064.2
-3.75°	738.2	771.3	805.0	841.6	879.7	918.6	955.0	985.0	1011.0	1034.5	1056.7
-5°	731.5	764.6	797.3	832.6	869.6	907.6	944.2	975.2	1001.4	1024.6	1046.6
-6.25°	723.1	756.2	787.6	821.5	857.2	893.9	930.5	963.1	989.3	1012.5	1033.2
-7.5°	713.1	745.4	776.3	808.2	842.5	877.6	912.9	946.1	974.1	997.5	1017.9
-8.75°	701.6	732.8	763.8	793.9	826.0	859.2	892.9	926.0	955.7	979.8	1000.3
-10°	689.0	718.7	749.4	778.0	807.7	839.1	870.8	902.3	932.7	958.9	979.8
-11.25°	675.0	703.5	732.7	761.6	789.0	817.8	847.4	876.8	905.5	932.7	955.7
-12.5°	659.3	687.3	714.9	743.0	769.6	795.9	823.0	850.2	876.8	902.3	926.0
-13.75°	642.2	670.0	696.3	722.7	749.3	773.7	798.2	823.0	847.4	870.8	892.9
-15°	623.3	651.0	677.1	701.8	726.7	751.5	773.7	795.9	817.8	839.1	859.2
-16.25°	601.9	630.4	656.3	680.6	703.7	726.7	749.3	769.6	789.0	807.7	826.0
-17.5°	577.9	607.6	633.9	658.1	680.6	701.8	722.7	743.0	761.6	778.0	793.9
-18.75°	551.0	581.9	609.5	633.9	656.3	677.1	696.3	714.9	732.7	749.4	763.8
-20°	517.7	553.3	581.9	607.6	630.4	651.0	670.0	687.3	703.5	718.7	732.8
-21.25°	486.8	517.7	551.0	577.9	601.9	623.3	642.2	659.3	675.0	689.0	701.6



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	456.6	484.9	513.1	543.9	569.8	592.5	612.4	629.7	645.3	659.1	671.4
-23.75°	426.1	452.9	478.9	504.9	532.1	557.9	578.8	597.3	613.7	627.6	639.8
-25°	394.8	420.7	445.6	469.5	492.9	515.9	540.0	560.8	578.0	593.0	605.8
-26.25°	365.9	388.0	411.8	434.7	456.5	477.2	497.4	516.8	536.6	554.2	567.6
-27.5°	337.1	358.4	378.9	399.4	420.4	440.1	458.7	475.8	492.4	507.4	522.1
-28.75°	308.6	328.4	348.0	366.8	384.5	402.8	420.5	436.9	452.0	465.7	478.1
-30°	282.3	299.8	316.8	334.8	351.9	367.9	382.9	397.7	412.2	425.3	436.9
-31.25°	255.7	272.5	288.6	303.9	318.9	334.3	348.7	362.0	374.2	385.3	395.8
-32.5°	231.4	245.2	260.4	275.1	289.0	302.0	314.2	327.0	338.6	349.2	358.6
-33.75°	208.2	221.5	234.2	246.2	259.4	271.9	283.6	294.4	304.2	313.2	322.0
-35°	185.9	197.6	209.8	221.3	232.2	242.5	252.9	263.2	272.7	281.2	288.8
-36.25°	167.7	177.2	186.2	196.3	206.8	216.6	225.7	234.2	241.9	249.1	256.4
-37.5°	149.2	158.4	167.1	175.4	183.1	190.6	199.3	207.4	214.8	221.5	227.4
-38.75°	132.7	140.3	147.8	155.8	163.3	170.3	176.8	182.7	188.2	194.1	199.7
-40°	116.5	123.8	130.8	137.4	143.6	150.0	156.2	162.0	167.2	171.9	176.1
-41.25°	99.6	107.2	114.0	120.3	126.3	131.9	137.0	141.8	146.2	150.7	154.7
-42.5°	81.8	89.2	96.2	102.8	108.9	114.2	119.2	123.8	127.9	131.7	135.0
-43.75°	64.4	71.1	77.8	84.1	90.1	95.6	100.8	105.5	109.7	113.3	116.5
-45°	48.7	54.6	60.3	65.6	71.2	76.5	81.4	86.0	90.1	93.8	97.1
-46.25°	32.8	38.6	44.0	49.2	54.0	58.5	62.7	66.5	70.4	73.9	77.1
-47.5°	24.8	27.2	29.5	32.7	37.3	41.6	45.6	49.3	52.6	55.6	58.2
-48.75°	17.7	20.0	22.3	24.4	26.3	28.2	29.9	32.0	35.2	38.1	40.6
-50°	14.7	14.9	15.0	17.0	18.9	20.6	22.3	23.8	25.1	26.4	27.4
-51.25°	14.3	14.4	14.5	14.7	14.8	14.9	15.0	16.1	17.4	18.6	19.6
-52.5°	13.8	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.7	14.8
-53.75°	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.2	14.3
-55°	12.9	13.0	13.2	13.3	13.4	13.5	13.5	13.6	13.7	13.8	13.8
-56.25°	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.1	13.2	13.3	13.3
-57.5°	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.7	12.8	12.8
-58.75°	11.6	11.7	11.8	11.9	11.9	12.0	12.1	12.2	12.2	12.3	12.3
-60°	11.1	11.2	11.3	11.4	11.5	11.6	11.6	11.7	11.7	11.8	11.8
-61.25°	11.0	11.0	11.0	11.0	11.0	11.1	11.1	11.2	11.3	11.3	11.4
-62.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
-63.75°	10.7	10.8	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
-65°	10.3	10.4	10.4	10.5	10.6	10.6	10.7	10.7	10.8	10.8	10.9
-66.25°	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.3	10.3	10.3	10.4
-67.5°	9.4	9.4	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.9	9.9
-68.75°	8.9	9.0	9.0	9.1	9.1	9.2	9.2	9.3	9.3	9.4	9.4
-70°	8.4	8.5	8.6	8.6	8.7	8.7	8.8	8.8	8.8	8.9	8.9
-71.25°	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.4	8.4	8.4
-72.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-73.75°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-75°	7.6	7.6	7.7	7.7	7.8	7.8	7.8	7.9	7.9	7.9	7.9
-76.25°	7.1	7.2	7.2	7.2	7.3	7.3	7.3	7.4	7.4	7.4	7.4
-77.5°	6.3	6.4	6.5	6.5	6.6	6.7	6.7	6.8	6.8	6.8	6.9



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	5.4	5.5	5.5	5.6	5.6	5.7	5.7	5.8	5.8	5.9	5.9
-80°	4.7	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9	5.0
-81.25°	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.5
-82.5°	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0
-83.75°	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5
-85°	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	3.0
-86.25°	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0
-87.5°	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
-88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
86.25°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
83.75°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
81.25°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
78.75°	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
77.5°	6.9	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
76.25°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
75°	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
73.75°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
72.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
71.25°	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
70°	8.9	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
68.75°	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
67.5°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
66.25°	10.4	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
65°	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
63.75°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
62.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
61.25°	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
60°	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.9
58.75°	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.4
57.5°	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9
56.25°	13.4	13.4	13.4	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.4
55°	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.9
53.75°	14.4	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.4
52.5°	14.8	14.9	14.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0	14.9
51.25°	20.5	21.3	21.9	22.4	22.7	22.9	23.0	22.9	22.7	22.4	21.9
50°	28.4	29.2	29.8	30.3	30.7	30.9	31.0	30.9	30.7	30.3	29.8
48.75°	42.8	44.7	46.3	47.5	48.3	48.8	49.0	48.8	48.3	47.5	46.3
47.5°	60.6	62.5	64.1	65.4	66.3	66.8	67.0	66.8	66.3	65.4	64.1
46.25°	79.8	82.2	84.1	85.6	86.6	87.3	87.5	87.3	86.6	85.6	84.1
45°	100.0	102.4	104.4	106.0	107.1	107.8	108.0	107.8	107.1	106.0	104.4
43.75°	119.3	121.6	123.5	125.1	126.1	126.8	127.0	126.8	126.1	125.1	123.5
42.5°	137.9	140.4	142.4	144.0	145.1	145.8	146.0	145.8	145.1	144.0	142.4
41.25°	158.2	161.2	163.6	165.5	166.9	167.7	168.0	167.7	166.9	165.5	163.6
40°	179.8	182.9	185.4	187.4	188.9	189.7	190.0	189.7	188.9	187.4	185.4
38.75°	204.7	208.9	212.3	215.0	217.0	218.1	218.5	218.1	217.0	215.0	212.3
37.5°	232.5	236.9	240.5	243.4	245.4	246.6	247.0	246.6	245.4	243.4	240.5
36.25°	262.7	268.1	272.6	276.0	278.5	280.0	280.5	280.0	278.5	276.0	272.6
35°	295.4	301.0	305.7	309.3	311.9	313.5	314.0	313.5	311.9	309.3	305.7



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	329.9	336.6	342.1	346.4	349.5	351.4	352.0	351.4	349.5	346.4	342.1
32.5°	366.9	373.9	379.6	384.2	387.4	389.3	390.0	389.3	387.4	384.2	379.6
31.25°	405.5	413.8	420.7	426.1	429.9	432.2	433.0	432.2	429.9	426.1	420.7
30°	447.2	455.9	463.1	468.7	472.8	475.2	476.0	475.2	472.8	468.7	463.1
28.75°	489.3	498.9	506.8	513.1	518.2	521.2	522.3	521.2	518.2	513.1	506.8
27.5°	535.5	547.0	555.9	562.0	566.4	569.1	570.0	569.1	566.4	562.0	555.9
26.25°	579.3	589.1	596.6	602.6	606.8	609.4	610.3	609.4	606.8	602.6	596.6
25°	617.0	625.8	633.0	638.7	642.7	645.2	646.0	645.2	642.7	638.7	633.0
23.75°	650.3	659.2	666.5	672.3	676.3	678.7	679.5	678.7	676.3	672.3	666.5
22.5°	682.0	691.0	698.5	704.6	709.0	711.6	712.5	711.6	709.0	704.6	698.5
21.25°	713.1	723.1	731.5	738.2	743.1	746.0	747.0	746.0	743.1	738.2	731.5
20°	745.4	756.2	764.6	771.3	776.1	779.0	780.0	779.0	776.1	771.3	764.6
18.75°	776.3	787.6	797.3	805.0	810.7	814.3	815.5	814.3	810.7	805.0	797.3
17.5°	808.2	821.5	832.6	841.6	848.2	852.2	853.5	852.2	848.2	841.6	832.6
16.25°	842.5	857.2	869.6	879.7	887.0	891.5	893.0	891.5	887.0	879.7	869.6
15°	877.6	893.9	907.6	918.6	926.5	931.4	933.0	931.4	926.5	918.6	907.6
13.75°	912.9	930.5	944.2	955.0	962.7	966.7	968.0	966.7	962.7	955.0	944.2
12.5°	946.1	963.1	975.2	985.0	991.6	995.7	997.0	995.7	991.6	985.0	975.2
11.25°	974.1	989.3	1001.4	1011.0	1017.6	1021.6	1023.0	1021.6	1017.6	1011.0	1001.4
10°	997.5	1012.5	1024.6	1034.5	1041.9	1046.5	1048.0	1046.5	1041.9	1034.5	1024.6
8.75°	1017.9	1033.2	1046.6	1056.7	1064.2	1068.4	1069.8	1068.4	1064.2	1056.7	1046.6
7.5°	1036.2	1052.5	1065.9	1075.3	1082.0	1085.0	1086.0	1085.0	1082.0	1075.3	1065.9
6.25°	1052.5	1068.5	1081.0	1088.2	1091.5	1092.3	1092.5	1092.3	1091.5	1088.2	1081.0
5°	1065.9	1081.0	1090.3	1092.5	1091.4	1089.6	1089.0	1089.6	1091.4	1092.5	1090.3
3.75°	1075.3	1088.2	1092.5	1090.2	1085.0	1080.6	1078.8	1080.6	1085.0	1090.2	1092.5
2.5°	1082.0	1091.5	1091.4	1085.0	1076.8	1070.4	1068.0	1070.4	1076.8	1085.0	1091.4
1.25°	1085.0	1092.3	1089.6	1080.6	1070.4	1063.5	1062.5	1063.5	1070.4	1080.6	1089.6
0°	1086.0	1092.5	1089.0	1078.8	1068.0	1062.5	1065.0	1062.5	1068.0	1078.8	1089.0
-1.25°	1085.0	1092.3	1089.6	1080.6	1070.4	1063.5	1062.5	1063.5	1070.4	1080.6	1089.6
-2.5°	1082.0	1091.5	1091.4	1085.0	1076.8	1070.4	1068.0	1070.4	1076.8	1085.0	1091.4
-3.75°	1075.3	1088.2	1092.5	1090.2	1085.0	1080.6	1078.8	1080.6	1085.0	1090.2	1092.5
-5°	1065.9	1081.0	1090.3	1092.5	1091.4	1089.6	1089.0	1089.6	1091.4	1092.5	1090.3
-6.25°	1052.5	1068.5	1081.0	1088.2	1091.5	1092.3	1092.5	1092.3	1091.5	1088.2	1081.0
-7.5°	1036.2	1052.5	1065.9	1075.3	1082.0	1085.0	1086.0	1085.0	1082.0	1075.3	1065.9
-8.75°	1017.9	1033.2	1046.6	1056.7	1064.2	1068.4	1069.8	1068.4	1064.2	1056.7	1046.6
-10°	997.5	1012.5	1024.6	1034.5	1041.9	1046.5	1048.0	1046.5	1041.9	1034.5	1024.6
-11.25°	974.1	989.3	1001.4	1011.0	1017.6	1021.6	1023.0	1021.6	1017.6	1011.0	1001.4
-12.5°	946.1	963.1	975.2	985.0	991.6	995.7	997.0	995.7	991.6	985.0	975.2
-13.75°	912.9	930.5	944.2	955.0	962.7	966.7	968.0	966.7	962.7	955.0	944.2
-15°	877.6	893.9	907.6	918.6	926.5	931.4	933.0	931.4	926.5	918.6	907.6
-16.25°	842.5	857.2	869.6	879.7	887.0	891.5	893.0	891.5	887.0	879.7	869.6
-17.5°	808.2	821.5	832.6	841.6	848.2	852.2	853.5	852.2	848.2	841.6	832.6
-18.75°	776.3	787.6	797.3	805.0	810.7	814.3	815.5	814.3	810.7	805.0	797.3
-20°	745.4	756.2	764.6	771.3	776.1	779.0	780.0	779.0	776.1	771.3	764.6
-21.25°	713.1	723.1	731.5	738.2	743.1	746.0	747.0	746.0	743.1	738.2	731.5





REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	682.0	691.0	698.5	704.6	709.0	711.6	712.5	711.6	709.0	704.6	698.5
-23.75°	650.3	659.2	666.5	672.3	676.3	678.7	679.5	678.7	676.3	672.3	666.5
-25°	617.0	625.8	633.0	638.7	642.7	645.2	646.0	645.2	642.7	638.7	633.0
-26.25°	579.3	589.1	596.6	602.6	606.8	609.4	610.3	609.4	606.8	602.6	596.6
-27.5°	535.5	547.0	555.9	562.0	566.4	569.1	570.0	569.1	566.4	562.0	555.9
-28.75°	489.3	498.9	506.8	513.1	518.2	521.2	522.3	521.2	518.2	513.1	506.8
-30°	447.2	455.9	463.1	468.7	472.8	475.2	476.0	475.2	472.8	468.7	463.1
-31.25°	405.5	413.8	420.7	426.1	429.9	432.2	433.0	432.2	429.9	426.1	420.7
-32.5°	366.9	373.9	379.6	384.2	387.4	389.3	390.0	389.3	387.4	384.2	379.6
-33.75°	329.9	336.6	342.1	346.4	349.5	351.4	352.0	351.4	349.5	346.4	342.1
-35°	295.4	301.0	305.7	309.3	311.9	313.5	314.0	313.5	311.9	309.3	305.7
-36.25°	262.7	268.1	272.6	276.0	278.5	280.0	280.5	280.0	278.5	276.0	272.6
-37.5°	232.5	236.9	240.5	243.4	245.4	246.6	247.0	246.6	245.4	243.4	240.5
-38.75°	204.7	208.9	212.3	215.0	217.0	218.1	218.5	218.1	217.0	215.0	212.3
-40°	179.8	182.9	185.4	187.4	188.9	189.7	190.0	189.7	188.9	187.4	185.4
-41.25°	158.2	161.2	163.6	165.5	166.9	167.7	168.0	167.7	166.9	165.5	163.6
-42.5°	137.9	140.4	142.4	144.0	145.1	145.8	146.0	145.8	145.1	144.0	142.4
-43.75°	119.3	121.6	123.5	125.1	126.1	126.8	127.0	126.8	126.1	125.1	123.5
-45°	100.0	102.4	104.4	106.0	107.1	107.8	108.0	107.8	107.1	106.0	104.4
-46.25°	79.8	82.2	84.1	85.6	86.6	87.3	87.5	87.3	86.6	85.6	84.1
-47.5°	60.6	62.5	64.1	65.4	66.3	66.8	67.0	66.8	66.3	65.4	64.1
-48.75°	42.8	44.7	46.3	47.5	48.3	48.8	49.0	48.8	48.3	47.5	46.3
-50°	28.4	29.2	29.8	30.3	30.7	30.9	31.0	30.9	30.7	30.3	29.8
-51.25°	20.5	21.3	21.9	22.4	22.7	22.9	23.0	22.9	22.7	22.4	21.9
-52.5°	14.8	14.9	14.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0	14.9
-53.75°	14.4	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.4
-55°	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.9
-56.25°	13.4	13.4	13.4	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.4
-57.5°	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9
-58.75°	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.4
-60°	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.9
-61.25°	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
-62.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
-63.75°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
-65°	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
-66.25°	10.4	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
-67.5°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-68.75°	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
-70°	8.9	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
-71.25°	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
-72.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-73.75°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-75°	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-76.25°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
-77.5°	6.9	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-80°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-81.25°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
-82.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-83.75°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
-86.25°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
-88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9
86.25°	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.8
85°	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8
83.75°	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4
82.5°	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.8
81.25°	4.5	4.5	4.5	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3
80°	5.0	5.0	5.0	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8
78.75°	5.9	5.9	5.9	5.9	5.8	5.8	5.7	5.7	5.6	5.6	5.5
77.5°	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.7	6.6	6.5	6.5
76.25°	7.5	7.5	7.4	7.4	7.4	7.4	7.3	7.3	7.3	7.2	7.2
75°	8.0	7.9	7.9	7.9	7.9	7.9	7.8	7.8	7.8	7.7	7.7
73.75°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
72.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
71.25°	8.5	8.4	8.4	8.4	8.4	8.3	8.3	8.2	8.2	8.1	8.1
70°	9.0	8.9	8.9	8.9	8.8	8.8	8.8	8.7	8.7	8.6	8.6
68.75°	9.4	9.4	9.4	9.4	9.3	9.3	9.2	9.2	9.1	9.1	9.0
67.5°	9.9	9.9	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.6	9.5
66.25°	10.4	10.4	10.4	10.3	10.3	10.3	10.2	10.2	10.1	10.0	10.0
65°	10.9	10.9	10.9	10.8	10.8	10.7	10.7	10.6	10.6	10.5	10.4
63.75°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	10.9
62.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
61.25°	11.4	11.4	11.4	11.3	11.3	11.2	11.1	11.1	11.0	11.0	11.0
60°	11.9	11.9	11.8	11.8	11.7	11.7	11.6	11.6	11.5	11.4	11.3
58.75°	12.4	12.4	12.3	12.3	12.2	12.2	12.1	12.0	11.9	11.9	11.8
57.5°	12.9	12.9	12.8	12.8	12.7	12.7	12.6	12.5	12.4	12.3	12.2
56.25°	13.4	13.4	13.3	13.3	13.2	13.1	13.1	13.0	12.9	12.8	12.7
55°	13.9	13.9	13.8	13.8	13.7	13.6	13.5	13.5	13.4	13.3	13.2
53.75°	14.4	14.4	14.3	14.2	14.2	14.1	14.0	13.9	13.8	13.7	13.6
52.5°	14.9	14.8	14.8	14.7	14.7	14.6	14.5	14.4	14.3	14.2	14.1
51.25°	21.3	20.5	19.6	18.6	17.4	16.1	15.0	14.9	14.8	14.7	14.5
50°	29.2	28.4	27.4	26.4	25.1	23.8	22.3	20.6	18.9	17.0	15.0
48.75°	44.7	42.8	40.6	38.1	35.2	32.0	29.9	28.2	26.3	24.4	22.3
47.5°	62.5	60.6	58.2	55.6	52.6	49.3	45.6	41.6	37.3	32.7	29.5
46.25°	82.2	79.8	77.1	73.9	70.4	66.5	62.7	58.5	54.0	49.2	44.0
45°	102.4	100.0	97.1	93.8	90.1	86.0	81.4	76.5	71.2	65.6	60.3
43.75°	121.6	119.3	116.5	113.3	109.7	105.5	100.8	95.6	90.1	84.1	77.8
42.5°	140.4	137.9	135.0	131.7	127.9	123.8	119.2	114.2	108.9	102.8	96.2
41.25°	161.2	158.2	154.7	150.7	146.2	141.8	137.0	131.9	126.3	120.3	114.0
40°	182.9	179.8	176.1	171.9	167.2	162.0	156.2	150.0	143.6	137.4	130.8
38.75°	208.9	204.7	199.7	194.1	188.2	182.7	176.8	170.3	163.3	155.8	147.8
37.5°	236.9	232.5	227.4	221.5	214.8	207.4	199.3	190.6	183.1	175.4	167.1
36.25°	268.1	262.7	256.4	249.1	241.9	234.2	225.7	216.6	206.8	196.3	186.2
35°	301.0	295.4	288.8	281.2	272.7	263.2	252.9	242.5	232.2	221.3	209.8



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	336.6	329.9	322.0	313.2	304.2	294.4	283.6	271.9	259.4	246.2	234.2
32.5°	373.9	366.9	358.6	349.2	338.6	327.0	314.2	302.0	289.0	275.1	260.4
31.25°	413.8	405.5	395.8	385.3	374.2	362.0	348.7	334.3	318.9	303.9	288.6
30°	455.9	447.2	436.9	425.3	412.2	397.7	382.9	367.9	351.9	334.8	316.8
28.75°	498.9	489.3	478.1	465.7	452.0	436.9	420.5	402.8	384.5	366.8	348.0
27.5°	547.0	535.5	522.1	507.4	492.4	475.8	458.7	440.1	420.4	399.4	378.9
26.25°	589.1	579.3	567.6	554.2	536.6	516.8	497.4	477.2	456.5	434.7	411.8
25°	625.8	617.0	605.8	593.0	578.0	560.8	540.0	515.9	492.9	469.5	445.6
23.75°	659.2	650.3	639.8	627.6	613.7	597.3	578.8	557.9	532.1	504.9	478.9
22.5°	691.0	682.0	671.4	659.1	645.3	629.7	612.4	592.5	569.8	543.9	513.1
21.25°	723.1	713.1	701.6	689.0	675.0	659.3	642.2	623.3	601.9	577.9	551.0
20°	756.2	745.4	732.8	718.7	703.5	687.3	670.0	651.0	630.4	607.6	581.9
18.75°	787.6	776.3	763.8	749.4	732.7	714.9	696.3	677.1	656.3	633.9	609.5
17.5°	821.5	808.2	793.9	778.0	761.6	743.0	722.7	701.8	680.6	658.1	633.9
16.25°	857.2	842.5	826.0	807.7	789.0	769.6	749.3	726.7	703.7	680.6	656.3
15°	893.9	877.6	859.2	839.1	817.8	795.9	773.7	751.5	726.7	701.8	677.1
13.75°	930.5	912.9	892.9	870.8	847.4	823.0	798.2	773.7	749.3	722.7	696.3
12.5°	963.1	946.1	926.0	902.3	876.8	850.2	823.0	795.9	769.6	743.0	714.9
11.25°	989.3	974.1	955.7	932.7	905.5	876.8	847.4	817.8	789.0	761.6	732.7
10°	1012.5	997.5	979.8	958.9	932.7	902.3	870.8	839.1	807.7	778.0	749.4
8.75°	1033.2	1017.9	1000.3	979.8	955.7	926.0	892.9	859.2	826.0	793.9	763.8
7.5°	1052.5	1036.2	1017.9	997.5	974.1	946.1	912.9	877.6	842.5	808.2	776.3
6.25°	1068.5	1052.5	1033.2	1012.5	989.3	963.1	930.5	893.9	857.2	821.5	787.6
5°	1081.0	1065.9	1046.6	1024.6	1001.4	975.2	944.2	907.6	869.6	832.6	797.3
3.75°	1088.2	1075.3	1056.7	1034.5	1011.0	985.0	955.0	918.6	879.7	841.6	805.0
2.5°	1091.5	1082.0	1064.2	1041.9	1017.6	991.6	962.7	926.5	887.0	848.2	810.7
1.25°	1092.3	1085.0	1068.4	1046.5	1021.6	995.7	966.7	931.4	891.5	852.2	814.3
0°	1092.5	1086.0	1069.8	1048.0	1023.0	997.0	968.0	933.0	893.0	853.5	815.5
-1.25°	1092.3	1085.0	1068.4	1046.5	1021.6	995.7	966.7	931.4	891.5	852.2	814.3
-2.5°	1091.5	1082.0	1064.2	1041.9	1017.6	991.6	962.7	926.5	887.0	848.2	810.7
-3.75°	1088.2	1075.3	1056.7	1034.5	1011.0	985.0	955.0	918.6	879.7	841.6	805.0
-5°	1081.0	1065.9	1046.6	1024.6	1001.4	975.2	944.2	907.6	869.6	832.6	797.3
-6.25°	1068.5	1052.5	1033.2	1012.5	989.3	963.1	930.5	893.9	857.2	821.5	787.6
-7.5°	1052.5	1036.2	1017.9	997.5	974.1	946.1	912.9	877.6	842.5	808.2	776.3
-8.75°	1033.2	1017.9	1000.3	979.8	955.7	926.0	892.9	859.2	826.0	793.9	763.8
-10°	1012.5	997.5	979.8	958.9	932.7	902.3	870.8	839.1	807.7	778.0	749.4
-11.25°	989.3	974.1	955.7	932.7	905.5	876.8	847.4	817.8	789.0	761.6	732.7
-12.5°	963.1	946.1	926.0	902.3	876.8	850.2	823.0	795.9	769.6	743.0	714.9
-13.75°	930.5	912.9	892.9	870.8	847.4	823.0	798.2	773.7	749.3	722.7	696.3
-15°	893.9	877.6	859.2	839.1	817.8	795.9	773.7	751.5	726.7	701.8	677.1
-16.25°	857.2	842.5	826.0	807.7	789.0	769.6	749.3	726.7	703.7	680.6	656.3
-17.5°	821.5	808.2	793.9	778.0	761.6	743.0	722.7	701.8	680.6	658.1	633.9
-18.75°	787.6	776.3	763.8	749.4	732.7	714.9	696.3	677.1	656.3	633.9	609.5
-20°	756.2	745.4	732.8	718.7	703.5	687.3	670.0	651.0	630.4	607.6	581.9
-21.25°	723.1	713.1	701.6	689.0	675.0	659.3	642.2	623.3	601.9	577.9	551.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	691.0	682.0	671.4	659.1	645.3	629.7	612.4	592.5	569.8	543.9	513.1
-23.75°	659.2	650.3	639.8	627.6	613.7	597.3	578.8	557.9	532.1	504.9	478.9
-25°	625.8	617.0	605.8	593.0	578.0	560.8	540.0	515.9	492.9	469.5	445.6
-26.25°	589.1	579.3	567.6	554.2	536.6	516.8	497.4	477.2	456.5	434.7	411.8
-27.5°	547.0	535.5	522.1	507.4	492.4	475.8	458.7	440.1	420.4	399.4	378.9
-28.75°	498.9	489.3	478.1	465.7	452.0	436.9	420.5	402.8	384.5	366.8	348.0
-30°	455.9	447.2	436.9	425.3	412.2	397.7	382.9	367.9	351.9	334.8	316.8
-31.25°	413.8	405.5	395.8	385.3	374.2	362.0	348.7	334.3	318.9	303.9	288.6
-32.5°	373.9	366.9	358.6	349.2	338.6	327.0	314.2	302.0	289.0	275.1	260.4
-33.75°	336.6	329.9	322.0	313.2	304.2	294.4	283.6	271.9	259.4	246.2	234.2
-35°	301.0	295.4	288.8	281.2	272.7	263.2	252.9	242.5	232.2	221.3	209.8
-36.25°	268.1	262.7	256.4	249.1	241.9	234.2	225.7	216.6	206.8	196.3	186.2
-37.5°	236.9	232.5	227.4	221.5	214.8	207.4	199.3	190.6	183.1	175.4	167.1
-38.75°	208.9	204.7	199.7	194.1	188.2	182.7	176.8	170.3	163.3	155.8	147.8
-40°	182.9	179.8	176.1	171.9	167.2	162.0	156.2	150.0	143.6	137.4	130.8
-41.25°	161.2	158.2	154.7	150.7	146.2	141.8	137.0	131.9	126.3	120.3	114.0
-42.5°	140.4	137.9	135.0	131.7	127.9	123.8	119.2	114.2	108.9	102.8	96.2
-43.75°	121.6	119.3	116.5	113.3	109.7	105.5	100.8	95.6	90.1	84.1	77.8
-45°	102.4	100.0	97.1	93.8	90.1	86.0	81.4	76.5	71.2	65.6	60.3
-46.25°	82.2	79.8	77.1	73.9	70.4	66.5	62.7	58.5	54.0	49.2	44.0
-47.5°	62.5	60.6	58.2	55.6	52.6	49.3	45.6	41.6	37.3	32.7	29.5
-48.75°	44.7	42.8	40.6	38.1	35.2	32.0	29.9	28.2	26.3	24.4	22.3
-50°	29.2	28.4	27.4	26.4	25.1	23.8	22.3	20.6	18.9	17.0	15.0
-51.25°	21.3	20.5	19.6	18.6	17.4	16.1	15.0	14.9	14.8	14.7	14.5
-52.5°	14.9	14.8	14.8	14.7	14.7	14.6	14.5	14.4	14.3	14.2	14.1
-53.75°	14.4	14.4	14.3	14.2	14.2	14.1	14.0	13.9	13.8	13.7	13.6
-55°	13.9	13.9	13.8	13.8	13.7	13.6	13.5	13.5	13.4	13.3	13.2
-56.25°	13.4	13.4	13.3	13.3	13.2	13.1	13.1	13.0	12.9	12.8	12.7
-57.5°	12.9	12.9	12.8	12.8	12.7	12.7	12.6	12.5	12.4	12.3	12.2
-58.75°	12.4	12.4	12.3	12.3	12.2	12.2	12.1	12.0	11.9	11.9	11.8
-60°	11.9	11.9	11.8	11.8	11.7	11.7	11.6	11.6	11.5	11.4	11.3
-61.25°	11.4	11.4	11.4	11.3	11.3	11.2	11.1	11.1	11.0	11.0	11.0
-62.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
-63.75°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	10.9
-65°	10.9	10.9	10.9	10.8	10.8	10.7	10.7	10.6	10.6	10.5	10.4
-66.25°	10.4	10.4	10.4	10.3	10.3	10.3	10.2	10.2	10.1	10.0	10.0
-67.5°	9.9	9.9	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.6	9.5
-68.75°	9.4	9.4	9.4	9.4	9.3	9.3	9.2	9.2	9.1	9.1	9.0
-70°	9.0	8.9	8.9	8.9	8.8	8.8	8.8	8.7	8.7	8.6	8.6
-71.25°	8.5	8.4	8.4	8.4	8.4	8.3	8.3	8.2	8.2	8.1	8.1
-72.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-73.75°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-75°	8.0	7.9	7.9	7.9	7.9	7.9	7.8	7.8	7.8	7.7	7.7
-76.25°	7.5	7.5	7.4	7.4	7.4	7.4	7.3	7.3	7.3	7.2	7.2
-77.5°	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.7	6.6	6.5	6.5



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	5.9	5.9	5.9	5.9	5.8	5.8	5.7	5.7	5.6	5.6	5.5
-80°	5.0	5.0	5.0	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8
-81.25°	4.5	4.5	4.5	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3
-82.5°	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.8
-83.75°	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4
-85°	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8
-86.25°	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.8
-87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9
-88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8
86.25°	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5
85°	2.8	2.7	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4
83.75°	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.1	3.1
82.5°	3.8	3.8	3.8	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.5
81.25°	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.1	4.0	4.0	3.9
80°	4.8	4.7	4.7	4.7	4.6	4.6	4.5	4.5	4.5	4.4	4.4
78.75°	5.5	5.4	5.3	5.2	5.1	5.1	5.0	4.9	4.9	4.8	4.8
77.5°	6.4	6.3	6.2	6.1	6.1	6.0	5.9	5.8	5.6	5.5	5.4
76.25°	7.2	7.1	7.1	7.0	7.0	6.8	6.7	6.6	6.5	6.4	6.3
75°	7.6	7.6	7.5	7.5	7.4	7.4	7.3	7.2	7.2	7.1	7.0
73.75°	8.0	8.0	8.0	7.9	7.9	7.8	7.7	7.7	7.6	7.5	7.5
72.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.9
71.25°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
70°	8.5	8.4	8.4	8.3	8.2	8.1	8.1	8.0	8.0	8.0	8.0
68.75°	9.0	8.9	8.8	8.7	8.7	8.6	8.5	8.4	8.3	8.2	8.1
67.5°	9.4	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5
66.25°	9.9	9.8	9.7	9.7	9.6	9.5	9.4	9.3	9.2	9.1	8.9
65°	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.5	9.4
63.75°	10.8	10.7	10.6	10.6	10.5	10.3	10.2	10.1	10.0	9.9	9.8
62.5°	11.0	11.0	11.0	11.0	10.9	10.8	10.7	10.6	10.4	10.3	10.2
61.25°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	10.8	10.7	10.6
60°	11.2	11.1	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
58.75°	11.7	11.6	11.5	11.3	11.2	11.1	11.0	11.0	11.0	11.0	11.0
57.5°	12.1	12.0	11.9	11.8	11.7	11.5	11.4	11.2	11.1	11.0	11.0
56.25°	12.6	12.5	12.4	12.2	12.1	12.0	11.8	11.7	11.5	11.3	11.2
55°	13.0	12.9	12.8	12.7	12.5	12.4	12.2	12.1	11.9	11.7	11.6
53.75°	13.5	13.4	13.2	13.1	13.0	12.8	12.7	12.5	12.3	12.1	12.0
52.5°	14.0	13.8	13.7	13.5	13.4	13.2	13.1	12.9	12.7	12.5	12.4
51.25°	14.4	14.3	14.1	14.0	13.8	13.7	13.5	13.3	13.1	12.9	12.7
50°	14.9	14.7	14.6	14.4	14.3	14.1	13.9	13.7	13.5	13.3	13.1
48.75°	20.0	17.7	15.2	14.8	14.7	14.5	14.3	14.1	13.9	13.7	13.5
47.5°	27.2	24.8	22.2	19.5	16.6	14.9	14.7	14.5	14.3	14.1	13.9
46.25°	38.6	32.8	29.1	26.3	23.4	20.3	17.1	14.9	14.7	14.5	14.3
45°	54.6	48.7	42.4	35.8	30.1	26.9	23.6	20.2	16.7	14.9	14.6
43.75°	71.1	64.4	57.9	51.0	43.9	36.5	30.0	26.5	22.8	19.1	15.2
42.5°	89.2	81.8	74.1	66.2	58.8	51.1	43.1	34.9	29.0	25.1	21.1
41.25°	107.2	99.6	91.5	83.2	74.4	65.6	57.3	48.8	40.0	31.0	26.9
40°	123.8	116.5	108.8	100.1	91.1	81.7	72.0	62.6	53.5	44.1	34.5
38.75°	140.3	132.7	124.7	116.3	107.6	97.9	87.8	77.4	66.8	57.1	47.2
37.5°	158.4	149.2	140.5	131.8	122.8	113.5	103.5	92.8	81.7	70.4	59.8
36.25°	177.2	167.7	157.7	147.3	137.8	128.2	118.2	107.9	96.5	84.8	72.8
35°	197.6	185.9	175.6	164.9	153.7	142.7	132.3	121.7	110.8	99.0	86.7



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	221.5	208.2	194.3	182.2	170.6	158.7	146.4	135.4	124.1	112.6	100.3
32.5°	245.2	231.4	217.1	202.1	187.4	175.0	162.3	149.2	137.2	125.3	113.2
31.25°	272.5	255.7	239.5	224.0	208.0	191.4	178.0	164.5	150.6	137.8	125.3
30°	299.8	282.3	264.2	245.6	229.0	211.9	194.3	179.4	165.2	150.6	137.2
28.75°	328.4	308.6	289.7	270.2	250.1	232.0	213.9	195.3	179.4	164.5	149.2
27.5°	358.4	337.1	315.0	294.7	273.9	252.5	233.0	213.9	194.3	178.0	162.3
26.25°	388.0	365.9	343.0	319.4	297.2	275.2	252.5	232.0	211.9	191.4	175.0
25°	420.7	394.8	370.5	346.0	320.8	297.2	273.9	250.1	229.0	208.0	187.4
23.75°	452.9	426.1	398.3	372.0	346.0	319.4	294.7	270.2	245.6	224.0	202.1
22.5°	484.9	456.6	427.8	398.3	370.5	343.0	315.0	289.7	264.2	239.5	217.1
21.25°	517.7	486.8	456.6	426.1	394.8	365.9	337.1	308.6	282.3	255.7	231.4
20°	553.3	517.7	484.9	452.9	420.7	388.0	358.4	328.4	299.8	272.5	245.2
18.75°	581.9	551.0	513.1	478.9	445.6	411.8	378.9	348.0	316.8	288.6	260.4
17.5°	607.6	577.9	543.9	504.9	469.5	434.7	399.4	366.8	334.8	303.9	275.1
16.25°	630.4	601.9	569.8	532.1	492.9	456.5	420.4	384.5	351.9	318.9	289.0
15°	651.0	623.3	592.5	557.9	515.9	477.2	440.1	402.8	367.9	334.3	302.0
13.75°	670.0	642.2	612.4	578.8	540.0	497.4	458.7	420.5	382.9	348.7	314.2
12.5°	687.3	659.3	629.7	597.3	560.8	516.8	475.8	436.9	397.7	362.0	327.0
11.25°	703.5	675.0	645.3	613.7	578.0	536.6	492.4	452.0	412.2	374.2	338.6
10°	718.7	689.0	659.1	627.6	593.0	554.2	507.4	465.7	425.3	385.3	349.2
8.75°	732.8	701.6	671.4	639.8	605.8	567.6	522.1	478.1	436.9	395.8	358.6
7.5°	745.4	713.1	682.0	650.3	617.0	579.3	535.5	489.3	447.2	405.5	366.9
6.25°	756.2	723.1	691.0	659.2	625.8	589.1	547.0	498.9	455.9	413.8	373.9
5°	764.6	731.5	698.5	666.5	633.0	596.6	555.9	506.8	463.1	420.7	379.6
3.75°	771.3	738.2	704.6	672.3	638.7	602.6	562.0	513.1	468.7	426.1	384.2
2.5°	776.1	743.1	709.0	676.3	642.7	606.8	566.4	518.2	472.8	429.9	387.4
1.25°	779.0	746.0	711.6	678.7	645.2	609.4	569.1	521.2	475.2	432.2	389.3
0°	780.0	747.0	712.5	679.5	646.0	610.3	570.0	522.3	476.0	433.0	390.0
-1.25°	779.0	746.0	711.6	678.7	645.2	609.4	569.1	521.2	475.2	432.2	389.3
-2.5°	776.1	743.1	709.0	676.3	642.7	606.8	566.4	518.2	472.8	429.9	387.4
-3.75°	771.3	738.2	704.6	672.3	638.7	602.6	562.0	513.1	468.7	426.1	384.2
-5°	764.6	731.5	698.5	666.5	633.0	596.6	555.9	506.8	463.1	420.7	379.6
-6.25°	756.2	723.1	691.0	659.2	625.8	589.1	547.0	498.9	455.9	413.8	373.9
-7.5°	745.4	713.1	682.0	650.3	617.0	579.3	535.5	489.3	447.2	405.5	366.9
-8.75°	732.8	701.6	671.4	639.8	605.8	567.6	522.1	478.1	436.9	395.8	358.6
-10°	718.7	689.0	659.1	627.6	593.0	554.2	507.4	465.7	425.3	385.3	349.2
-11.25°	703.5	675.0	645.3	613.7	578.0	536.6	492.4	452.0	412.2	374.2	338.6
-12.5°	687.3	659.3	629.7	597.3	560.8	516.8	475.8	436.9	397.7	362.0	327.0
-13.75°	670.0	642.2	612.4	578.8	540.0	497.4	458.7	420.5	382.9	348.7	314.2
-15°	651.0	623.3	592.5	557.9	515.9	477.2	440.1	402.8	367.9	334.3	302.0
-16.25°	630.4	601.9	569.8	532.1	492.9	456.5	420.4	384.5	351.9	318.9	289.0
-17.5°	607.6	577.9	543.9	504.9	469.5	434.7	399.4	366.8	334.8	303.9	275.1
-18.75°	581.9	551.0	513.1	478.9	445.6	411.8	378.9	348.0	316.8	288.6	260.4
-20°	553.3	517.7	484.9	452.9	420.7	388.0	358.4	328.4	299.8	272.5	245.2
-21.25°	517.7	486.8	456.6	426.1	394.8	365.9	337.1	308.6	282.3	255.7	231.4





REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	484.9	456.6	427.8	398.3	370.5	343.0	315.0	289.7	264.2	239.5	217.1
-23.75°	452.9	426.1	398.3	372.0	346.0	319.4	294.7	270.2	245.6	224.0	202.1
-25°	420.7	394.8	370.5	346.0	320.8	297.2	273.9	250.1	229.0	208.0	187.4
-26.25°	388.0	365.9	343.0	319.4	297.2	275.2	252.5	232.0	211.9	191.4	175.0
-27.5°	358.4	337.1	315.0	294.7	273.9	252.5	233.0	213.9	194.3	178.0	162.3
-28.75°	328.4	308.6	289.7	270.2	250.1	232.0	213.9	195.3	179.4	164.5	149.2
-30°	299.8	282.3	264.2	245.6	229.0	211.9	194.3	179.4	165.2	150.6	137.2
-31.25°	272.5	255.7	239.5	224.0	208.0	191.4	178.0	164.5	150.6	137.8	125.3
-32.5°	245.2	231.4	217.1	202.1	187.4	175.0	162.3	149.2	137.2	125.3	113.2
-33.75°	221.5	208.2	194.3	182.2	170.6	158.7	146.4	135.4	124.1	112.6	100.3
-35°	197.6	185.9	175.6	164.9	153.7	142.7	132.3	121.7	110.8	99.0	86.7
-36.25°	177.2	167.7	157.7	147.3	137.8	128.2	118.2	107.9	96.5	84.8	72.8
-37.5°	158.4	149.2	140.5	131.8	122.8	113.5	103.5	92.8	81.7	70.4	59.8
-38.75°	140.3	132.7	124.7	116.3	107.6	97.9	87.8	77.4	66.8	57.1	47.2
-40°	123.8	116.5	108.8	100.1	91.1	81.7	72.0	62.6	53.5	44.1	34.5
-41.25°	107.2	99.6	91.5	83.2	74.4	65.6	57.3	48.8	40.0	31.0	26.9
-42.5°	89.2	81.8	74.1	66.2	58.8	51.1	43.1	34.9	29.0	25.1	21.1
-43.75°	71.1	64.4	57.9	51.0	43.9	36.5	30.0	26.5	22.8	19.1	15.2
-45°	54.6	48.7	42.4	35.8	30.1	26.9	23.6	20.2	16.7	14.9	14.6
-46.25°	38.6	32.8	29.1	26.3	23.4	20.3	17.1	14.9	14.7	14.5	14.3
-47.5°	27.2	24.8	22.2	19.5	16.6	14.9	14.7	14.5	14.3	14.1	13.9
-48.75°	20.0	17.7	15.2	14.8	14.7	14.5	14.3	14.1	13.9	13.7	13.5
-50°	14.9	14.7	14.6	14.4	14.3	14.1	13.9	13.7	13.5	13.3	13.1
-51.25°	14.4	14.3	14.1	14.0	13.8	13.7	13.5	13.3	13.1	12.9	12.7
-52.5°	14.0	13.8	13.7	13.5	13.4	13.2	13.1	12.9	12.7	12.5	12.4
-53.75°	13.5	13.4	13.2	13.1	13.0	12.8	12.7	12.5	12.3	12.1	12.0
-55°	13.0	12.9	12.8	12.7	12.5	12.4	12.2	12.1	11.9	11.7	11.6
-56.25°	12.6	12.5	12.4	12.2	12.1	12.0	11.8	11.7	11.5	11.3	11.2
-57.5°	12.1	12.0	11.9	11.8	11.7	11.5	11.4	11.2	11.1	11.0	11.0
-58.75°	11.7	11.6	11.5	11.3	11.2	11.1	11.0	11.0	11.0	11.0	11.0
-60°	11.2	11.1	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
-61.25°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	10.8	10.7	10.6
-62.5°	11.0	11.0	11.0	11.0	10.9	10.8	10.7	10.6	10.4	10.3	10.2
-63.75°	10.8	10.7	10.6	10.6	10.5	10.3	10.2	10.1	10.0	9.9	9.8
-65°	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.5	9.4
-66.25°	9.9	9.8	9.7	9.7	9.6	9.5	9.4	9.3	9.2	9.1	8.9
-67.5°	9.4	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5
-68.75°	9.0	8.9	8.8	8.7	8.7	8.6	8.5	8.4	8.3	8.2	8.1
-70°	8.5	8.4	8.4	8.3	8.2	8.1	8.1	8.0	8.0	8.0	8.0
-71.25°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-72.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.9
-73.75°	8.0	8.0	8.0	7.9	7.9	7.8	7.7	7.7	7.6	7.5	7.5
-75°	7.6	7.6	7.5	7.5	7.4	7.4	7.3	7.2	7.2	7.1	7.0
-76.25°	7.2	7.1	7.1	7.0	7.0	6.8	6.7	6.6	6.5	6.4	6.3
-77.5°	6.4	6.3	6.2	6.1	6.1	6.0	5.9	5.8	5.6	5.5	5.4



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	5.5	5.4	5.3	5.2	5.1	5.1	5.0	4.9	4.9	4.8	4.8
-80°	4.8	4.7	4.7	4.7	4.6	4.6	4.5	4.5	4.5	4.4	4.4
-81.25°	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.1	4.0	4.0	3.9
-82.5°	3.8	3.8	3.8	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.5
-83.75°	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.1	3.1
-85°	2.8	2.7	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4
-86.25°	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5
-87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8
-88.75°	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7
86.25°	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1
85°	2.3	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.8
83.75°	3.1	3.0	3.0	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.5
82.5°	3.5	3.5	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1	3.1
81.25°	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.5	3.4
80°	4.3	4.3	4.2	4.2	4.1	4.1	4.0	3.9	3.9	3.8	3.8
78.75°	4.7	4.7	4.6	4.6	4.5	4.4	4.4	4.3	4.2	4.2	4.1
77.5°	5.3	5.2	5.0	5.0	4.9	4.8	4.7	4.7	4.6	4.5	4.4
76.25°	6.1	6.0	5.8	5.7	5.5	5.4	5.2	5.1	5.0	4.9	4.8
75°	6.9	6.8	6.6	6.5	6.3	6.1	6.0	5.8	5.6	5.4	5.2
73.75°	7.4	7.3	7.2	7.1	7.0	6.9	6.7	6.5	6.3	6.1	5.9
72.5°	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.8	6.6
71.25°	8.0	8.0	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.1
70°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.8	7.7	7.6	7.5
68.75°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.8
67.5°	8.4	8.3	8.2	8.1	8.0	8.0	8.0	8.0	8.0	8.0	8.0
66.25°	8.8	8.7	8.6	8.5	8.3	8.2	8.1	8.0	8.0	8.0	8.0
65°	9.2	9.1	9.0	8.8	8.7	8.6	8.4	8.3	8.1	8.0	8.0
63.75°	9.6	9.5	9.4	9.2	9.1	8.9	8.8	8.6	8.5	8.3	8.1
62.5°	10.0	9.9	9.7	9.6	9.4	9.3	9.1	9.0	8.8	8.6	8.4
61.25°	10.4	10.3	10.1	10.0	9.8	9.6	9.5	9.3	9.1	9.0	8.8
60°	10.8	10.7	10.5	10.3	10.2	10.0	9.8	9.7	9.5	9.3	9.1
58.75°	11.0	11.0	10.9	10.7	10.5	10.4	10.2	10.0	9.8	9.6	9.4
57.5°	11.0	11.0	11.0	11.0	10.9	10.7	10.5	10.3	10.1	9.9	9.7
56.25°	11.0	11.0	11.0	11.0	11.0	11.0	10.9	10.7	10.5	10.3	10.0
55°	11.4	11.2	11.0	11.0	11.0	11.0	11.0	11.0	10.8	10.6	10.3
53.75°	11.8	11.6	11.4	11.2	11.0	11.0	11.0	11.0	11.0	10.9	10.7
52.5°	12.2	12.0	11.8	11.6	11.3	11.1	11.0	11.0	11.0	11.0	11.0
51.25°	12.5	12.3	12.1	11.9	11.7	11.5	11.2	11.0	11.0	11.0	11.0
50°	12.9	12.7	12.5	12.3	12.0	11.8	11.6	11.3	11.1	11.0	11.0
48.75°	13.3	13.1	12.8	12.6	12.4	12.1	11.9	11.6	11.4	11.1	11.0
47.5°	13.7	13.4	13.2	13.0	12.7	12.5	12.2	11.9	11.7	11.4	11.1
46.25°	14.0	13.8	13.6	13.3	13.1	12.8	12.5	12.3	12.0	11.7	11.4
45°	14.4	14.2	13.9	13.6	13.4	13.1	12.8	12.6	12.3	12.0	11.7
43.75°	14.8	14.5	14.3	14.0	13.7	13.4	13.2	12.9	12.6	12.3	12.0
42.5°	17.0	14.9	14.6	14.3	14.0	13.8	13.5	13.2	12.9	12.6	12.3
41.25°	22.6	18.3	14.9	14.6	14.4	14.1	13.8	13.5	13.2	12.8	12.5
40°	28.2	23.7	19.2	15.0	14.7	14.4	14.1	13.8	13.4	13.1	12.8
38.75°	37.1	29.1	24.4	19.6	15.0	14.7	14.4	14.0	13.7	13.4	13.1
37.5°	49.3	38.7	29.6	24.6	19.6	15.0	14.6	14.3	14.0	13.6	13.3
36.25°	61.4	50.4	39.2	29.6	24.4	19.2	14.9	14.6	14.3	13.9	13.6
35°	74.0	61.9	50.4	38.7	29.1	23.7	18.3	14.9	14.5	14.2	13.8



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	87.3	74.0	61.4	49.3	37.1	28.2	22.6	17.0	14.8	14.4	14.0
32.5°	100.3	86.7	72.8	59.8	47.2	34.5	26.9	21.1	15.2	14.6	14.3
31.25°	112.6	99.0	84.8	70.4	57.1	44.1	31.0	25.1	19.1	14.9	14.5
30°	124.1	110.8	96.5	81.7	66.8	53.5	40.0	29.0	22.8	16.7	14.7
28.75°	135.4	121.7	107.9	92.8	77.4	62.6	48.8	34.9	26.5	20.2	14.9
27.5°	146.4	132.3	118.2	103.5	87.8	72.0	57.3	43.1	30.0	23.6	17.1
26.25°	158.7	142.7	128.2	113.5	97.9	81.7	65.6	51.1	36.5	26.9	20.3
25°	170.6	153.7	137.8	122.8	107.6	91.1	74.4	58.8	43.9	30.1	23.4
23.75°	182.2	164.9	147.3	131.8	116.3	100.1	83.2	66.2	51.0	35.8	26.3
22.5°	194.3	175.6	157.7	140.5	124.7	108.8	91.5	74.1	57.9	42.4	29.1
21.25°	208.2	185.9	167.7	149.2	132.7	116.5	99.6	81.8	64.4	48.7	32.8
20°	221.5	197.6	177.2	158.4	140.3	123.8	107.2	89.2	71.1	54.6	38.6
18.75°	234.2	209.8	186.2	167.1	147.8	130.8	114.0	96.2	77.8	60.3	44.0
17.5°	246.2	221.3	196.3	175.4	155.8	137.4	120.3	102.8	84.1	65.6	49.2
16.25°	259.4	232.2	206.8	183.1	163.3	143.6	126.3	108.9	90.1	71.2	54.0
15°	271.9	242.5	216.6	190.6	170.3	150.0	131.9	114.2	95.6	76.5	58.5
13.75°	283.6	252.9	225.7	199.3	176.8	156.2	137.0	119.2	100.8	81.4	62.7
12.5°	294.4	263.2	234.2	207.4	182.7	162.0	141.8	123.8	105.5	86.0	66.5
11.25°	304.2	272.7	241.9	214.8	188.2	167.2	146.2	127.9	109.7	90.1	70.4
10°	313.2	281.2	249.1	221.5	194.1	171.9	150.7	131.7	113.3	93.8	73.9
8.75°	322.0	288.8	256.4	227.4	199.7	176.1	154.7	135.0	116.5	97.1	77.1
7.5°	329.9	295.4	262.7	232.5	204.7	179.8	158.2	137.9	119.3	100.0	79.8
6.25°	336.6	301.0	268.1	236.9	208.9	182.9	161.2	140.4	121.6	102.4	82.2
5°	342.1	305.7	272.6	240.5	212.3	185.4	163.6	142.4	123.5	104.4	84.1
3.75°	346.4	309.3	276.0	243.4	215.0	187.4	165.5	144.0	125.1	106.0	85.6
2.5°	349.5	311.9	278.5	245.4	217.0	188.9	166.9	145.1	126.1	107.1	86.6
1.25°	351.4	313.5	280.0	246.6	218.1	189.7	167.7	145.8	126.8	107.8	87.3
0°	352.0	314.0	280.5	247.0	218.5	190.0	168.0	146.0	127.0	108.0	87.5
-1.25°	351.4	313.5	280.0	246.6	218.1	189.7	167.7	145.8	126.8	107.8	87.3
-2.5°	349.5	311.9	278.5	245.4	217.0	188.9	166.9	145.1	126.1	107.1	86.6
-3.75°	346.4	309.3	276.0	243.4	215.0	187.4	165.5	144.0	125.1	106.0	85.6
-5°	342.1	305.7	272.6	240.5	212.3	185.4	163.6	142.4	123.5	104.4	84.1
-6.25°	336.6	301.0	268.1	236.9	208.9	182.9	161.2	140.4	121.6	102.4	82.2
-7.5°	329.9	295.4	262.7	232.5	204.7	179.8	158.2	137.9	119.3	100.0	79.8
-8.75°	322.0	288.8	256.4	227.4	199.7	176.1	154.7	135.0	116.5	97.1	77.1
-10°	313.2	281.2	249.1	221.5	194.1	171.9	150.7	131.7	113.3	93.8	73.9
-11.25°	304.2	272.7	241.9	214.8	188.2	167.2	146.2	127.9	109.7	90.1	70.4
-12.5°	294.4	263.2	234.2	207.4	182.7	162.0	141.8	123.8	105.5	86.0	66.5
-13.75°	283.6	252.9	225.7	199.3	176.8	156.2	137.0	119.2	100.8	81.4	62.7
-15°	271.9	242.5	216.6	190.6	170.3	150.0	131.9	114.2	95.6	76.5	58.5
-16.25°	259.4	232.2	206.8	183.1	163.3	143.6	126.3	108.9	90.1	71.2	54.0
-17.5°	246.2	221.3	196.3	175.4	155.8	137.4	120.3	102.8	84.1	65.6	49.2
-18.75°	234.2	209.8	186.2	167.1	147.8	130.8	114.0	96.2	77.8	60.3	44.0
-20°	221.5	197.6	177.2	158.4	140.3	123.8	107.2	89.2	71.1	54.6	38.6
-21.25°	208.2	185.9	167.7	149.2	132.7	116.5	99.6	81.8	64.4	48.7	32.8



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	194.3	175.6	157.7	140.5	124.7	108.8	91.5	74.1	57.9	42.4	29.1
-23.75°	182.2	164.9	147.3	131.8	116.3	100.1	83.2	66.2	51.0	35.8	26.3
-25°	170.6	153.7	137.8	122.8	107.6	91.1	74.4	58.8	43.9	30.1	23.4
-26.25°	158.7	142.7	128.2	113.5	97.9	81.7	65.6	51.1	36.5	26.9	20.3
-27.5°	146.4	132.3	118.2	103.5	87.8	72.0	57.3	43.1	30.0	23.6	17.1
-28.75°	135.4	121.7	107.9	92.8	77.4	62.6	48.8	34.9	26.5	20.2	14.9
-30°	124.1	110.8	96.5	81.7	66.8	53.5	40.0	29.0	22.8	16.7	14.7
-31.25°	112.6	99.0	84.8	70.4	57.1	44.1	31.0	25.1	19.1	14.9	14.5
-32.5°	100.3	86.7	72.8	59.8	47.2	34.5	26.9	21.1	15.2	14.6	14.3
-33.75°	87.3	74.0	61.4	49.3	37.1	28.2	22.6	17.0	14.8	14.4	14.0
-35°	74.0	61.9	50.4	38.7	29.1	23.7	18.3	14.9	14.5	14.2	13.8
-36.25°	61.4	50.4	39.2	29.6	24.4	19.2	14.9	14.6	14.3	13.9	13.6
-37.5°	49.3	38.7	29.6	24.6	19.6	15.0	14.6	14.3	14.0	13.6	13.3
-38.75°	37.1	29.1	24.4	19.6	15.0	14.7	14.4	14.0	13.7	13.4	13.1
-40°	28.2	23.7	19.2	15.0	14.7	14.4	14.1	13.8	13.4	13.1	12.8
-41.25°	22.6	18.3	14.9	14.6	14.4	14.1	13.8	13.5	13.2	12.8	12.5
-42.5°	17.0	14.9	14.6	14.3	14.0	13.8	13.5	13.2	12.9	12.6	12.3
-43.75°	14.8	14.5	14.3	14.0	13.7	13.4	13.2	12.9	12.6	12.3	12.0
-45°	14.4	14.2	13.9	13.6	13.4	13.1	12.8	12.6	12.3	12.0	11.7
-46.25°	14.0	13.8	13.6	13.3	13.1	12.8	12.5	12.3	12.0	11.7	11.4
-47.5°	13.7	13.4	13.2	13.0	12.7	12.5	12.2	11.9	11.7	11.4	11.1
-48.75°	13.3	13.1	12.8	12.6	12.4	12.1	11.9	11.6	11.4	11.1	11.0
-50°	12.9	12.7	12.5	12.3	12.0	11.8	11.6	11.3	11.1	11.0	11.0
-51.25°	12.5	12.3	12.1	11.9	11.7	11.5	11.2	11.0	11.0	11.0	11.0
-52.5°	12.2	12.0	11.8	11.6	11.3	11.1	11.0	11.0	11.0	11.0	11.0
-53.75°	11.8	11.6	11.4	11.2	11.0	11.0	11.0	11.0	11.0	10.9	10.7
-55°	11.4	11.2	11.0	11.0	11.0	11.0	11.0	11.0	10.8	10.6	10.3
-56.25°	11.0	11.0	11.0	11.0	11.0	11.0	10.9	10.7	10.5	10.3	10.0
-57.5°	11.0	11.0	11.0	11.0	10.9	10.7	10.5	10.3	10.1	9.9	9.7
-58.75°	11.0	11.0	10.9	10.7	10.5	10.4	10.2	10.0	9.8	9.6	9.4
-60°	10.8	10.7	10.5	10.3	10.2	10.0	9.8	9.7	9.5	9.3	9.1
-61.25°	10.4	10.3	10.1	10.0	9.8	9.6	9.5	9.3	9.1	9.0	8.8
-62.5°	10.0	9.9	9.7	9.6	9.4	9.3	9.1	9.0	8.8	8.6	8.4
-63.75°	9.6	9.5	9.4	9.2	9.1	8.9	8.8	8.6	8.5	8.3	8.1
-65°	9.2	9.1	9.0	8.8	8.7	8.6	8.4	8.3	8.1	8.0	8.0
-66.25°	8.8	8.7	8.6	8.5	8.3	8.2	8.1	8.0	8.0	8.0	8.0
-67.5°	8.4	8.3	8.2	8.1	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-68.75°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.8
-70°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.8	7.7	7.6	7.5
-71.25°	8.0	8.0	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.1
-72.5°	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.8	6.6
-73.75°	7.4	7.3	7.2	7.1	7.0	6.9	6.7	6.5	6.3	6.1	5.9
-75°	6.9	6.8	6.6	6.5	6.3	6.1	6.0	5.8	5.6	5.4	5.2
-76.25°	6.1	6.0	5.8	5.7	5.5	5.4	5.2	5.1	5.0	4.9	4.8
-77.5°	5.3	5.2	5.0	5.0	4.9	4.8	4.7	4.7	4.6	4.5	4.4



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	4.7	4.7	4.6	4.6	4.5	4.4	4.4	4.3	4.2	4.2	4.1
-80°	4.3	4.3	4.2	4.2	4.1	4.1	4.0	3.9	3.9	3.8	3.8
-81.25°	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.5	3.4
-82.5°	3.5	3.5	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1	3.1
-83.75°	3.1	3.0	3.0	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.5
-85°	2.3	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.8
-86.25°	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
86.25°	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7
85°	1.7	1.6	1.6	1.5	1.4	1.4	1.3	1.2	1.1	1.1	1.0
83.75°	2.4	2.3	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.6	1.5
82.5°	3.0	2.9	2.9	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0
81.25°	3.4	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.8	2.6	2.5
80°	3.7	3.6	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.1	3.0
78.75°	4.0	4.0	3.9	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.2
77.5°	4.4	4.3	4.2	4.1	4.0	3.9	3.9	3.8	3.7	3.6	3.5
76.25°	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7
75°	5.1	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0
73.75°	5.7	5.5	5.3	5.1	4.9	4.8	4.7	4.6	4.5	4.3	4.2
72.5°	6.4	6.1	5.9	5.7	5.4	5.2	5.0	4.8	4.7	4.6	4.5
71.25°	7.0	6.8	6.5	6.3	6.0	5.8	5.5	5.2	5.0	4.8	4.7
70°	7.3	7.2	7.1	6.9	6.6	6.3	6.1	5.8	5.5	5.2	4.9
68.75°	7.7	7.5	7.4	7.2	7.1	6.9	6.6	6.3	6.0	5.7	5.4
67.5°	8.0	7.8	7.7	7.5	7.4	7.2	7.1	6.8	6.5	6.2	5.8
66.25°	8.0	8.0	8.0	7.8	7.7	7.5	7.3	7.2	7.0	6.6	6.3
65°	8.0	8.0	8.0	8.0	8.0	7.8	7.6	7.4	7.2	7.1	6.8
63.75°	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.7	7.5	7.3	7.1
62.5°	8.3	8.1	8.0	8.0	8.0	8.0	8.0	7.9	7.7	7.5	7.3
61.25°	8.6	8.4	8.2	8.0	8.0	8.0	8.0	8.0	8.0	7.8	7.6
60°	8.9	8.7	8.5	8.3	8.1	8.0	8.0	8.0	8.0	8.0	7.8
58.75°	9.2	9.0	8.8	8.6	8.4	8.1	8.0	8.0	8.0	8.0	8.0
57.5°	9.5	9.3	9.1	8.9	8.6	8.4	8.2	8.0	8.0	8.0	8.0
56.25°	9.8	9.6	9.4	9.1	8.9	8.7	8.4	8.2	8.0	8.0	8.0
55°	10.1	9.9	9.7	9.4	9.2	8.9	8.7	8.4	8.2	8.0	8.0
53.75°	10.4	10.2	9.9	9.7	9.4	9.2	8.9	8.7	8.4	8.1	8.0
52.5°	10.7	10.5	10.2	10.0	9.7	9.4	9.2	8.9	8.6	8.4	8.1
51.25°	11.0	10.7	10.5	10.2	10.0	9.7	9.4	9.1	8.9	8.6	8.3
50°	11.0	11.0	10.8	10.5	10.2	9.9	9.7	9.4	9.1	8.8	8.5
48.75°	11.0	11.0	11.0	10.7	10.5	10.2	9.9	9.6	9.3	9.0	8.7
47.5°	11.0	11.0	11.0	11.0	10.7	10.4	10.1	9.8	9.5	9.2	8.9
46.25°	11.1	11.0	11.0	11.0	11.0	10.7	10.3	10.0	9.7	9.4	9.1
45°	11.4	11.1	11.0	11.0	11.0	10.9	10.6	10.3	9.9	9.6	9.3
43.75°	11.7	11.4	11.1	11.0	11.0	11.0	10.8	10.5	10.1	9.8	9.5
42.5°	11.9	11.6	11.3	11.0	11.0	11.0	11.0	10.7	10.3	10.0	9.7
41.25°	12.2	11.9	11.6	11.2	11.0	11.0	11.0	10.9	10.5	10.2	9.8
40°	12.5	12.1	11.8	11.5	11.1	11.0	11.0	11.0	10.7	10.4	10.0
38.75°	12.7	12.4	12.0	11.7	11.3	11.0	11.0	11.0	10.9	10.5	10.2
37.5°	13.0	12.6	12.3	11.9	11.6	11.2	11.0	11.0	11.0	10.7	10.3
36.25°	13.2	12.8	12.5	12.1	11.8	11.4	11.0	11.0	11.0	10.9	10.5
35°	13.4	13.1	12.7	12.3	12.0	11.6	11.2	11.0	11.0	11.0	10.7



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	13.7	13.3	12.9	12.5	12.2	11.8	11.4	11.0	11.0	11.0	10.8
32.5°	13.9	13.5	13.1	12.7	12.4	12.0	11.6	11.2	11.0	11.0	11.0
31.25°	14.1	13.7	13.3	12.9	12.5	12.1	11.7	11.3	11.0	11.0	11.0
30°	14.3	13.9	13.5	13.1	12.7	12.3	11.9	11.5	11.1	11.0	11.0
28.75°	14.5	14.1	13.7	13.3	12.9	12.5	12.1	11.7	11.2	11.0	11.0
27.5°	14.7	14.3	13.9	13.5	13.1	12.7	12.2	11.8	11.4	11.0	11.0
26.25°	14.9	14.5	14.1	13.7	13.2	12.8	12.4	12.0	11.5	11.1	11.0
25°	16.6	14.7	14.3	13.8	13.4	13.0	12.5	12.1	11.7	11.2	11.0
23.75°	19.5	14.8	14.4	14.0	13.5	13.1	12.7	12.2	11.8	11.3	11.0
22.5°	22.2	15.2	14.6	14.1	13.7	13.2	12.8	12.4	11.9	11.5	11.0
21.25°	24.8	17.7	14.7	14.3	13.8	13.4	12.9	12.5	12.0	11.6	11.1
20°	27.2	20.0	14.9	14.4	14.0	13.5	13.0	12.6	12.1	11.7	11.2
18.75°	29.5	22.3	15.0	14.5	14.1	13.6	13.2	12.7	12.2	11.8	11.3
17.5°	32.7	24.4	17.0	14.7	14.2	13.7	13.3	12.8	12.3	11.9	11.4
16.25°	37.3	26.3	18.9	14.8	14.3	13.8	13.4	12.9	12.4	11.9	11.5
15°	41.6	28.2	20.6	14.9	14.4	13.9	13.5	13.0	12.5	12.0	11.6
13.75°	45.6	29.9	22.3	15.0	14.5	14.0	13.5	13.1	12.6	12.1	11.6
12.5°	49.3	32.0	23.8	16.1	14.6	14.1	13.6	13.1	12.7	12.2	11.7
11.25°	52.6	35.2	25.1	17.4	14.7	14.2	13.7	13.2	12.7	12.2	11.7
10°	55.6	38.1	26.4	18.6	14.7	14.2	13.8	13.3	12.8	12.3	11.8
8.75°	58.2	40.6	27.4	19.6	14.8	14.3	13.8	13.3	12.8	12.3	11.8
7.5°	60.6	42.8	28.4	20.5	14.8	14.4	13.9	13.4	12.9	12.4	11.9
6.25°	62.5	44.7	29.2	21.3	14.9	14.4	13.9	13.4	12.9	12.4	11.9
5°	64.1	46.3	29.8	21.9	14.9	14.4	13.9	13.4	12.9	12.4	11.9
3.75°	65.4	47.5	30.3	22.4	15.0	14.5	14.0	13.5	13.0	12.5	12.0
2.5°	66.3	48.3	30.7	22.7	15.0	14.5	14.0	13.5	13.0	12.5	12.0
1.25°	66.8	48.8	30.9	22.9	15.0	14.5	14.0	13.5	13.0	12.5	12.0
0°	67.0	49.0	31.0	23.0	15.0	14.5	14.0	13.5	13.0	12.5	12.0
-1.25°	66.8	48.8	30.9	22.9	15.0	14.5	14.0	13.5	13.0	12.5	12.0
-2.5°	66.3	48.3	30.7	22.7	15.0	14.5	14.0	13.5	13.0	12.5	12.0
-3.75°	65.4	47.5	30.3	22.4	15.0	14.5	14.0	13.5	13.0	12.5	12.0
-5°	64.1	46.3	29.8	21.9	14.9	14.4	13.9	13.4	12.9	12.4	11.9
-6.25°	62.5	44.7	29.2	21.3	14.9	14.4	13.9	13.4	12.9	12.4	11.9
-7.5°	60.6	42.8	28.4	20.5	14.8	14.4	13.9	13.4	12.9	12.4	11.9
-8.75°	58.2	40.6	27.4	19.6	14.8	14.3	13.8	13.3	12.8	12.3	11.8
-10°	55.6	38.1	26.4	18.6	14.7	14.2	13.8	13.3	12.8	12.3	11.8
-11.25°	52.6	35.2	25.1	17.4	14.7	14.2	13.7	13.2	12.7	12.2	11.7
-12.5°	49.3	32.0	23.8	16.1	14.6	14.1	13.6	13.1	12.7	12.2	11.7
-13.75°	45.6	29.9	22.3	15.0	14.5	14.0	13.5	13.1	12.6	12.1	11.6
-15°	41.6	28.2	20.6	14.9	14.4	13.9	13.5	13.0	12.5	12.0	11.6
-16.25°	37.3	26.3	18.9	14.8	14.3	13.8	13.4	12.9	12.4	11.9	11.5
-17.5°	32.7	24.4	17.0	14.7	14.2	13.7	13.3	12.8	12.3	11.9	11.4
-18.75°	29.5	22.3	15.0	14.5	14.1	13.6	13.2	12.7	12.2	11.8	11.3
-20°	27.2	20.0	14.9	14.4	14.0	13.5	13.0	12.6	12.1	11.7	11.2
-21.25°	24.8	17.7	14.7	14.3	13.8	13.4	12.9	12.5	12.0	11.6	11.1





REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	22.2	15.2	14.6	14.1	13.7	13.2	12.8	12.4	11.9	11.5	11.0
-23.75°	19.5	14.8	14.4	14.0	13.5	13.1	12.7	12.2	11.8	11.3	11.0
-25°	16.6	14.7	14.3	13.8	13.4	13.0	12.5	12.1	11.7	11.2	11.0
-26.25°	14.9	14.5	14.1	13.7	13.2	12.8	12.4	12.0	11.5	11.1	11.0
-27.5°	14.7	14.3	13.9	13.5	13.1	12.7	12.2	11.8	11.4	11.0	11.0
-28.75°	14.5	14.1	13.7	13.3	12.9	12.5	12.1	11.7	11.2	11.0	11.0
-30°	14.3	13.9	13.5	13.1	12.7	12.3	11.9	11.5	11.1	11.0	11.0
-31.25°	14.1	13.7	13.3	12.9	12.5	12.1	11.7	11.3	11.0	11.0	11.0
-32.5°	13.9	13.5	13.1	12.7	12.4	12.0	11.6	11.2	11.0	11.0	11.0
-33.75°	13.7	13.3	12.9	12.5	12.2	11.8	11.4	11.0	11.0	11.0	10.8
-35°	13.4	13.1	12.7	12.3	12.0	11.6	11.2	11.0	11.0	11.0	10.7
-36.25°	13.2	12.8	12.5	12.1	11.8	11.4	11.0	11.0	11.0	10.9	10.5
-37.5°	13.0	12.6	12.3	11.9	11.6	11.2	11.0	11.0	11.0	10.7	10.3
-38.75°	12.7	12.4	12.0	11.7	11.3	11.0	11.0	11.0	10.9	10.5	10.2
-40°	12.5	12.1	11.8	11.5	11.1	11.0	11.0	11.0	10.7	10.4	10.0
-41.25°	12.2	11.9	11.6	11.2	11.0	11.0	11.0	10.9	10.5	10.2	9.8
-42.5°	11.9	11.6	11.3	11.0	11.0	11.0	11.0	10.7	10.3	10.0	9.7
-43.75°	11.7	11.4	11.1	11.0	11.0	11.0	10.8	10.5	10.1	9.8	9.5
-45°	11.4	11.1	11.0	11.0	11.0	10.9	10.6	10.3	9.9	9.6	9.3
-46.25°	11.1	11.0	11.0	11.0	11.0	10.7	10.3	10.0	9.7	9.4	9.1
-47.5°	11.0	11.0	11.0	11.0	10.7	10.4	10.1	9.8	9.5	9.2	8.9
-48.75°	11.0	11.0	11.0	10.7	10.5	10.2	9.9	9.6	9.3	9.0	8.7
-50°	11.0	11.0	10.8	10.5	10.2	9.9	9.7	9.4	9.1	8.8	8.5
-51.25°	11.0	10.7	10.5	10.2	10.0	9.7	9.4	9.1	8.9	8.6	8.3
-52.5°	10.7	10.5	10.2	10.0	9.7	9.4	9.2	8.9	8.6	8.4	8.1
-53.75°	10.4	10.2	9.9	9.7	9.4	9.2	8.9	8.7	8.4	8.1	8.0
-55°	10.1	9.9	9.7	9.4	9.2	8.9	8.7	8.4	8.2	8.0	8.0
-56.25°	9.8	9.6	9.4	9.1	8.9	8.7	8.4	8.2	8.0	8.0	8.0
-57.5°	9.5	9.3	9.1	8.9	8.6	8.4	8.2	8.0	8.0	8.0	8.0
-58.75°	9.2	9.0	8.8	8.6	8.4	8.1	8.0	8.0	8.0	8.0	8.0
-60°	8.9	8.7	8.5	8.3	8.1	8.0	8.0	8.0	8.0	8.0	7.8
-61.25°	8.6	8.4	8.2	8.0	8.0	8.0	8.0	8.0	8.0	7.8	7.6
-62.5°	8.3	8.1	8.0	8.0	8.0	8.0	8.0	7.9	7.7	7.5	7.3
-63.75°	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.7	7.5	7.3	7.1
-65°	8.0	8.0	8.0	8.0	8.0	7.8	7.6	7.4	7.2	7.1	6.8
-66.25°	8.0	8.0	8.0	7.8	7.7	7.5	7.3	7.2	7.0	6.6	6.3
-67.5°	8.0	7.8	7.7	7.5	7.4	7.2	7.1	6.8	6.5	6.2	5.8
-68.75°	7.7	7.5	7.4	7.2	7.1	6.9	6.6	6.3	6.0	5.7	5.4
-70°	7.3	7.2	7.1	6.9	6.6	6.3	6.1	5.8	5.5	5.2	4.9
-71.25°	7.0	6.8	6.5	6.3	6.0	5.8	5.5	5.2	5.0	4.8	4.7
-72.5°	6.4	6.1	5.9	5.7	5.4	5.2	5.0	4.8	4.7	4.6	4.5
-73.75°	5.7	5.5	5.3	5.1	4.9	4.8	4.7	4.6	4.5	4.3	4.2
-75°	5.1	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0
-76.25°	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7
-77.5°	4.4	4.3	4.2	4.1	4.0	3.9	3.9	3.8	3.7	3.6	3.5



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	4.0	4.0	3.9	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.2
-80°	3.7	3.6	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.1	3.0
-81.25°	3.4	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.8	2.6	2.5
-82.5°	3.0	2.9	2.9	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0
-83.75°	2.4	2.3	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.6	1.5
-85°	1.7	1.6	1.6	1.5	1.4	1.4	1.3	1.2	1.1	1.1	1.0
-86.25°	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7
-87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
87.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
86.25°	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4
85°	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
83.75°	1.4	1.3	1.2	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7
82.5°	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.0	1.0	0.9	0.8
81.25°	2.4	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.2	1.1	1.0
80°	2.8	2.7	2.5	2.4	2.2	2.0	1.9	1.7	1.6	1.4	1.2
78.75°	3.2	3.1	3.0	2.8	2.6	2.4	2.2	2.1	1.9	1.7	1.5
77.5°	3.4	3.3	3.2	3.1	3.0	2.8	2.6	2.4	2.2	2.0	1.8
76.25°	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.7	2.5	2.3	2.1
75°	3.9	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.8	2.6	2.3
73.75°	4.1	4.0	3.8	3.7	3.6	3.5	3.3	3.2	3.1	2.9	2.6
72.5°	4.3	4.2	4.1	3.9	3.8	3.6	3.5	3.4	3.2	3.1	2.9
71.25°	4.6	4.4	4.3	4.1	4.0	3.8	3.7	3.5	3.4	3.2	3.1
70°	4.8	4.6	4.5	4.3	4.2	4.0	3.8	3.7	3.5	3.4	3.2
68.75°	5.0	4.9	4.7	4.5	4.4	4.2	4.0	3.8	3.7	3.5	3.3
67.5°	5.5	5.1	4.9	4.7	4.5	4.4	4.2	4.0	3.8	3.6	3.5
66.25°	5.9	5.6	5.2	4.9	4.7	4.5	4.4	4.2	4.0	3.8	3.6
65°	6.4	6.0	5.6	5.2	4.9	4.7	4.5	4.3	4.1	3.9	3.7
63.75°	6.8	6.4	6.0	5.6	5.2	4.9	4.7	4.5	4.3	4.1	3.8
62.5°	7.1	6.8	6.4	6.0	5.6	5.1	4.9	4.6	4.4	4.2	4.0
61.25°	7.4	7.1	6.8	6.4	5.9	5.5	5.0	4.8	4.6	4.3	4.1
60°	7.6	7.3	7.1	6.8	6.3	5.8	5.4	4.9	4.7	4.5	4.2
58.75°	7.8	7.5	7.3	7.1	6.6	6.2	5.7	5.2	4.8	4.6	4.3
57.5°	8.0	7.7	7.5	7.2	7.0	6.5	6.0	5.5	5.0	4.7	4.5
56.25°	8.0	7.9	7.7	7.4	7.2	6.8	6.3	5.8	5.2	4.8	4.6
55°	8.0	8.0	7.9	7.6	7.3	7.1	6.6	6.1	5.5	5.0	4.7
53.75°	8.0	8.0	8.0	7.8	7.5	7.2	6.9	6.3	5.8	5.2	4.8
52.5°	8.0	8.0	8.0	8.0	7.7	7.4	7.1	6.6	6.0	5.4	4.9
51.25°	8.0	8.0	8.0	8.0	7.8	7.5	7.2	6.9	6.3	5.7	5.1
50°	8.2	8.0	8.0	8.0	8.0	7.7	7.4	7.1	6.5	5.9	5.3
48.75°	8.4	8.1	8.0	8.0	8.0	7.8	7.5	7.2	6.8	6.1	5.5
47.5°	8.6	8.3	8.0	8.0	8.0	8.0	7.7	7.3	7.0	6.4	5.7
46.25°	8.8	8.4	8.1	8.0	8.0	8.0	7.8	7.5	7.1	6.6	5.9
45°	9.0	8.6	8.3	8.0	8.0	8.0	7.9	7.6	7.3	6.8	6.1
43.75°	9.1	8.8	8.5	8.1	8.0	8.0	8.0	7.7	7.4	7.0	6.3
42.5°	9.3	9.0	8.6	8.3	8.0	8.0	8.0	7.8	7.5	7.1	6.5
41.25°	9.5	9.1	8.8	8.4	8.1	8.0	8.0	8.0	7.6	7.2	6.7
40°	9.6	9.3	8.9	8.6	8.2	8.0	8.0	8.0	7.7	7.3	6.9
38.75°	9.8	9.4	9.1	8.7	8.3	8.0	8.0	8.0	7.8	7.4	7.0
37.5°	10.0	9.6	9.2	8.8	8.5	8.1	8.0	8.0	7.9	7.5	7.1
36.25°	10.1	9.7	9.4	9.0	8.6	8.2	8.0	8.0	8.0	7.6	7.2
35°	10.3	9.9	9.5	9.1	8.7	8.3	8.0	8.0	8.0	7.7	7.3



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	10.4	10.0	9.6	9.2	8.8	8.4	8.0	8.0	8.0	7.8	7.4
32.5°	10.6	10.2	9.8	9.4	8.9	8.5	8.1	8.0	8.0	7.9	7.5
31.25°	10.7	10.3	9.9	9.5	9.1	8.6	8.2	8.0	8.0	8.0	7.5
30°	10.8	10.4	10.0	9.6	9.2	8.7	8.3	8.0	8.0	8.0	7.6
28.75°	11.0	10.6	10.1	9.7	9.3	8.8	8.4	8.0	8.0	8.0	7.7
27.5°	11.0	10.7	10.2	9.8	9.4	8.9	8.5	8.1	8.0	8.0	7.7
26.25°	11.0	10.8	10.3	9.9	9.5	9.0	8.6	8.1	8.0	8.0	7.8
25°	11.0	10.9	10.5	10.0	9.6	9.1	8.7	8.2	8.0	8.0	7.9
23.75°	11.0	11.0	10.6	10.1	9.7	9.2	8.7	8.3	8.0	8.0	7.9
22.5°	11.0	11.0	10.6	10.2	9.7	9.3	8.8	8.4	8.0	8.0	8.0
21.25°	11.0	11.0	10.7	10.3	9.8	9.4	8.9	8.4	8.0	8.0	8.0
20°	11.0	11.0	10.8	10.4	9.9	9.4	9.0	8.5	8.0	8.0	8.0
18.75°	11.0	11.0	10.9	10.4	10.0	9.5	9.0	8.6	8.1	8.0	8.0
17.5°	11.0	11.0	11.0	10.5	10.0	9.6	9.1	8.6	8.1	8.0	8.0
16.25°	11.0	11.0	11.0	10.6	10.1	9.6	9.1	8.7	8.2	8.0	8.0
15°	11.1	11.0	11.0	10.6	10.2	9.7	9.2	8.7	8.2	8.0	8.0
13.75°	11.1	11.0	11.0	10.7	10.2	9.7	9.2	8.8	8.3	8.0	8.0
12.5°	11.2	11.0	11.0	10.7	10.3	9.8	9.3	8.8	8.3	8.0	8.0
11.25°	11.3	11.0	11.0	10.8	10.3	9.8	9.3	8.8	8.4	8.0	8.0
10°	11.3	11.0	11.0	10.8	10.3	9.9	9.4	8.9	8.4	8.0	8.0
8.75°	11.4	11.0	11.0	10.9	10.4	9.9	9.4	8.9	8.4	8.0	8.0
7.5°	11.4	11.0	11.0	10.9	10.4	9.9	9.4	8.9	8.4	8.0	8.0
6.25°	11.4	11.0	11.0	10.9	10.4	9.9	9.4	9.0	8.5	8.0	8.0
5°	11.5	11.0	11.0	11.0	10.5	10.0	9.5	9.0	8.5	8.0	8.0
3.75°	11.5	11.0	11.0	11.0	10.5	10.0	9.5	9.0	8.5	8.0	8.0
2.5°	11.5	11.0	11.0	11.0	10.5	10.0	9.5	9.0	8.5	8.0	8.0
1.25°	11.5	11.0	11.0	11.0	10.5	10.0	9.5	9.0	8.5	8.0	8.0
0°	11.5	11.0	11.0	11.0	10.5	10.0	9.5	9.0	8.5	8.0	8.0
-1.25°	11.5	11.0	11.0	11.0	10.5	10.0	9.5	9.0	8.5	8.0	8.0
-2.5°	11.5	11.0	11.0	11.0	10.5	10.0	9.5	9.0	8.5	8.0	8.0
-3.75°	11.5	11.0	11.0	11.0	10.5	10.0	9.5	9.0	8.5	8.0	8.0
-5°	11.5	11.0	11.0	11.0	10.5	10.0	9.5	9.0	8.5	8.0	8.0
-6.25°	11.4	11.0	11.0	10.9	10.4	9.9	9.4	9.0	8.5	8.0	8.0
-7.5°	11.4	11.0	11.0	10.9	10.4	9.9	9.4	8.9	8.4	8.0	8.0
-8.75°	11.4	11.0	11.0	10.9	10.4	9.9	9.4	8.9	8.4	8.0	8.0
-10°	11.3	11.0	11.0	10.8	10.3	9.9	9.4	8.9	8.4	8.0	8.0
-11.25°	11.3	11.0	11.0	10.8	10.3	9.8	9.3	8.8	8.4	8.0	8.0
-12.5°	11.2	11.0	11.0	10.7	10.3	9.8	9.3	8.8	8.3	8.0	8.0
-13.75°	11.1	11.0	11.0	10.7	10.2	9.7	9.2	8.8	8.3	8.0	8.0
-15°	11.1	11.0	11.0	10.6	10.2	9.7	9.2	8.7	8.2	8.0	8.0
-16.25°	11.0	11.0	11.0	10.6	10.1	9.6	9.1	8.7	8.2	8.0	8.0
-17.5°	11.0	11.0	11.0	10.5	10.0	9.6	9.1	8.6	8.1	8.0	8.0
-18.75°	11.0	11.0	10.9	10.4	10.0	9.5	9.0	8.6	8.1	8.0	8.0
-20°	11.0	11.0	10.8	10.4	9.9	9.4	9.0	8.5	8.0	8.0	8.0
-21.25°	11.0	11.0	10.7	10.3	9.8	9.4	8.9	8.4	8.0	8.0	8.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	11.0	11.0	10.6	10.2	9.7	9.3	8.8	8.4	8.0	8.0	8.0
-23.75°	11.0	11.0	10.6	10.1	9.7	9.2	8.7	8.3	8.0	8.0	7.9
-25°	11.0	10.9	10.5	10.0	9.6	9.1	8.7	8.2	8.0	8.0	7.9
-26.25°	11.0	10.8	10.3	9.9	9.5	9.0	8.6	8.1	8.0	8.0	7.8
-27.5°	11.0	10.7	10.2	9.8	9.4	8.9	8.5	8.1	8.0	8.0	7.7
-28.75°	11.0	10.6	10.1	9.7	9.3	8.8	8.4	8.0	8.0	8.0	7.7
-30°	10.8	10.4	10.0	9.6	9.2	8.7	8.3	8.0	8.0	8.0	7.6
-31.25°	10.7	10.3	9.9	9.5	9.1	8.6	8.2	8.0	8.0	8.0	7.5
-32.5°	10.6	10.2	9.8	9.4	8.9	8.5	8.1	8.0	8.0	7.9	7.5
-33.75°	10.4	10.0	9.6	9.2	8.8	8.4	8.0	8.0	8.0	7.8	7.4
-35°	10.3	9.9	9.5	9.1	8.7	8.3	8.0	8.0	8.0	7.7	7.3
-36.25°	10.1	9.7	9.4	9.0	8.6	8.2	8.0	8.0	8.0	7.6	7.2
-37.5°	10.0	9.6	9.2	8.8	8.5	8.1	8.0	8.0	7.9	7.5	7.1
-38.75°	9.8	9.4	9.1	8.7	8.3	8.0	8.0	8.0	7.8	7.4	7.0
-40°	9.6	9.3	8.9	8.6	8.2	8.0	8.0	8.0	7.7	7.3	6.9
-41.25°	9.5	9.1	8.8	8.4	8.1	8.0	8.0	8.0	7.6	7.2	6.7
-42.5°	9.3	9.0	8.6	8.3	8.0	8.0	8.0	7.8	7.5	7.1	6.5
-43.75°	9.1	8.8	8.5	8.1	8.0	8.0	8.0	7.7	7.4	7.0	6.3
-45°	9.0	8.6	8.3	8.0	8.0	8.0	7.9	7.6	7.3	6.8	6.1
-46.25°	8.8	8.4	8.1	8.0	8.0	8.0	7.8	7.5	7.1	6.6	5.9
-47.5°	8.6	8.3	8.0	8.0	8.0	8.0	7.7	7.3	7.0	6.4	5.7
-48.75°	8.4	8.1	8.0	8.0	8.0	7.8	7.5	7.2	6.8	6.1	5.5
-50°	8.2	8.0	8.0	8.0	8.0	7.7	7.4	7.1	6.5	5.9	5.3
-51.25°	8.0	8.0	8.0	8.0	7.8	7.5	7.2	6.9	6.3	5.7	5.1
-52.5°	8.0	8.0	8.0	8.0	7.7	7.4	7.1	6.6	6.0	5.4	4.9
-53.75°	8.0	8.0	8.0	7.8	7.5	7.2	6.9	6.3	5.8	5.2	4.8
-55°	8.0	8.0	7.9	7.6	7.3	7.1	6.6	6.1	5.5	5.0	4.7
-56.25°	8.0	7.9	7.7	7.4	7.2	6.8	6.3	5.8	5.2	4.8	4.6
-57.5°	8.0	7.7	7.5	7.2	7.0	6.5	6.0	5.5	5.0	4.7	4.5
-58.75°	7.8	7.5	7.3	7.1	6.6	6.2	5.7	5.2	4.8	4.6	4.3
-60°	7.6	7.3	7.1	6.8	6.3	5.8	5.4	4.9	4.7	4.5	4.2
-61.25°	7.4	7.1	6.8	6.4	5.9	5.5	5.0	4.8	4.6	4.3	4.1
-62.5°	7.1	6.8	6.4	6.0	5.6	5.1	4.9	4.6	4.4	4.2	4.0
-63.75°	6.8	6.4	6.0	5.6	5.2	4.9	4.7	4.5	4.3	4.1	3.8
-65°	6.4	6.0	5.6	5.2	4.9	4.7	4.5	4.3	4.1	3.9	3.7
-66.25°	5.9	5.6	5.2	4.9	4.7	4.5	4.4	4.2	4.0	3.8	3.6
-67.5°	5.5	5.1	4.9	4.7	4.5	4.4	4.2	4.0	3.8	3.6	3.5
-68.75°	5.0	4.9	4.7	4.5	4.4	4.2	4.0	3.8	3.7	3.5	3.3
-70°	4.8	4.6	4.5	4.3	4.2	4.0	3.8	3.7	3.5	3.4	3.2
-71.25°	4.6	4.4	4.3	4.1	4.0	3.8	3.7	3.5	3.4	3.2	3.1
-72.5°	4.3	4.2	4.1	3.9	3.8	3.6	3.5	3.4	3.2	3.1	2.9
-73.75°	4.1	4.0	3.8	3.7	3.6	3.5	3.3	3.2	3.1	2.9	2.6
-75°	3.9	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.8	2.6	2.3
-76.25°	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.7	2.5	2.3	2.1
-77.5°	3.4	3.3	3.2	3.1	3.0	2.8	2.6	2.4	2.2	2.0	1.8



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	3.2	3.1	3.0	2.8	2.6	2.4	2.2	2.1	1.9	1.7	1.5
-80°	2.8	2.7	2.5	2.4	2.2	2.0	1.9	1.7	1.6	1.4	1.2
-81.25°	2.4	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.2	1.1	1.0
-82.5°	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.0	1.0	0.9	0.8
-83.75°	1.4	1.3	1.2	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7
-85°	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
-86.25°	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4
-87.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
87.5°	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
86.25°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
85°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
83.75°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
82.5°	0.8	0.7	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.1
81.25°	0.9	0.8	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
80°	1.1	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
78.75°	1.3	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
77.5°	1.6	1.4	1.1	1.0	0.9	0.8	0.6	0.5	0.4	0.3	0.2
76.25°	1.8	1.6	1.4	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.2
75°	2.1	1.8	1.6	1.3	1.1	0.9	0.8	0.6	0.5	0.4	0.3
73.75°	2.3	2.1	1.8	1.5	1.2	1.0	0.8	0.7	0.6	0.4	0.3
72.5°	2.6	2.3	2.0	1.7	1.4	1.1	0.9	0.8	0.6	0.5	0.3
71.25°	2.8	2.5	2.2	1.9	1.6	1.2	1.0	0.8	0.6	0.5	0.3
70°	3.0	2.7	2.4	2.1	1.7	1.4	1.0	0.9	0.7	0.5	0.3
68.75°	3.2	3.0	2.6	2.2	1.9	1.5	1.2	0.9	0.7	0.5	0.4
67.5°	3.3	3.1	2.8	2.4	2.0	1.7	1.3	1.0	0.8	0.6	0.4
66.25°	3.4	3.2	3.0	2.6	2.2	1.8	1.4	1.0	0.8	0.6	0.4
65°	3.5	3.3	3.1	2.8	2.4	1.9	1.5	1.1	0.8	0.6	0.4
63.75°	3.6	3.4	3.2	3.0	2.5	2.1	1.6	1.2	0.9	0.7	0.4
62.5°	3.7	3.5	3.3	3.1	2.7	2.2	1.8	1.3	0.9	0.7	0.5
61.25°	3.9	3.6	3.4	3.2	2.8	2.4	1.9	1.4	1.0	0.7	0.5
60°	4.0	3.7	3.5	3.2	3.0	2.5	2.0	1.5	1.0	0.7	0.5
58.75°	4.1	3.8	3.6	3.3	3.1	2.6	2.1	1.6	1.1	0.8	0.5
57.5°	4.2	3.9	3.7	3.4	3.1	2.8	2.2	1.7	1.1	0.8	0.5
56.25°	4.3	4.0	3.8	3.5	3.2	2.9	2.3	1.8	1.2	0.8	0.6
55°	4.4	4.1	3.9	3.6	3.3	3.0	2.4	1.9	1.3	0.9	0.6
53.75°	4.5	4.2	3.9	3.6	3.4	3.1	2.5	2.0	1.4	0.9	0.6
52.5°	4.6	4.3	4.0	3.7	3.4	3.1	2.6	2.0	1.4	0.9	0.6
51.25°	4.7	4.4	4.1	3.8	3.5	3.2	2.7	2.1	1.5	0.9	0.6
50°	4.8	4.5	4.2	3.9	3.6	3.2	2.9	2.2	1.6	1.0	0.6
48.75°	4.9	4.6	4.3	4.0	3.6	3.3	2.9	2.3	1.6	1.0	0.7
47.5°	5.1	4.7	4.4	4.0	3.7	3.4	3.0	2.4	1.7	1.0	0.7
46.25°	5.2	4.8	4.4	4.1	3.8	3.4	3.1	2.5	1.8	1.1	0.7
45°	5.4	4.9	4.5	4.2	3.8	3.5	3.1	2.5	1.8	1.1	0.7
43.75°	5.6	5.0	4.6	4.2	3.9	3.5	3.2	2.6	1.9	1.2	0.7
42.5°	5.8	5.1	4.7	4.3	3.9	3.6	3.2	2.7	1.9	1.2	0.7
41.25°	6.0	5.2	4.7	4.4	4.0	3.6	3.3	2.8	2.0	1.3	0.8
40°	6.1	5.4	4.8	4.4	4.1	3.7	3.3	2.8	2.1	1.3	0.8
38.75°	6.3	5.5	4.9	4.5	4.1	3.7	3.3	2.9	2.1	1.3	0.8
37.5°	6.5	5.7	5.0	4.6	4.2	3.8	3.4	3.0	2.2	1.4	0.8
36.25°	6.6	5.8	5.0	4.6	4.2	3.8	3.4	3.0	2.2	1.4	0.8
35°	6.8	6.0	5.2	4.7	4.3	3.9	3.5	3.0	2.3	1.5	0.8



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	6.9	6.1	5.3	4.7	4.3	3.9	3.5	3.1	2.3	1.5	0.8
32.5°	7.0	6.3	5.4	4.8	4.4	3.9	3.5	3.1	2.4	1.5	0.8
31.25°	7.1	6.4	5.5	4.8	4.4	4.0	3.6	3.1	2.4	1.6	0.9
30°	7.2	6.5	5.6	4.9	4.5	4.0	3.6	3.2	2.5	1.6	0.9
28.75°	7.2	6.6	5.8	4.9	4.5	4.1	3.6	3.2	2.5	1.6	0.9
27.5°	7.3	6.7	5.9	5.0	4.5	4.1	3.7	3.2	2.5	1.7	0.9
26.25°	7.4	6.8	6.0	5.1	4.6	4.1	3.7	3.2	2.6	1.7	0.9
25°	7.4	7.0	6.1	5.1	4.6	4.2	3.7	3.3	2.6	1.7	0.9
23.75°	7.5	7.0	6.1	5.2	4.7	4.2	3.7	3.3	2.7	1.7	0.9
22.5°	7.5	7.1	6.2	5.3	4.7	4.2	3.8	3.3	2.7	1.8	0.9
21.25°	7.6	7.1	6.3	5.4	4.7	4.3	3.8	3.3	2.7	1.8	0.9
20°	7.6	7.2	6.4	5.5	4.8	4.3	3.8	3.3	2.8	1.8	0.9
18.75°	7.7	7.2	6.5	5.5	4.8	4.3	3.8	3.4	2.8	1.8	0.9
17.5°	7.7	7.2	6.5	5.6	4.8	4.3	3.9	3.4	2.8	1.9	1.0
16.25°	7.8	7.3	6.6	5.6	4.8	4.4	3.9	3.4	2.8	1.9	1.0
15°	7.8	7.3	6.7	5.7	4.9	4.4	3.9	3.4	2.9	1.9	1.0
13.75°	7.8	7.3	6.7	5.7	4.9	4.4	3.9	3.4	2.9	1.9	1.0
12.5°	7.9	7.4	6.8	5.8	4.9	4.4	3.9	3.4	2.9	1.9	1.0
11.25°	7.9	7.4	6.8	5.8	4.9	4.4	3.9	3.5	2.9	1.9	1.0
10°	7.9	7.4	6.8	5.9	4.9	4.4	4.0	3.5	2.9	2.0	1.0
8.75°	7.9	7.4	6.9	5.9	5.0	4.5	4.0	3.5	3.0	2.0	1.0
7.5°	7.9	7.5	6.9	5.9	5.0	4.5	4.0	3.5	3.0	2.0	1.0
6.25°	8.0	7.5	6.9	5.9	5.0	4.5	4.0	3.5	3.0	2.0	1.0
5°	8.0	7.5	7.0	6.0	5.0	4.5	4.0	3.5	3.0	2.0	1.0
3.75°	8.0	7.5	7.0	6.0	5.0	4.5	4.0	3.5	3.0	2.0	1.0
2.5°	8.0	7.5	7.0	6.0	5.0	4.5	4.0	3.5	3.0	2.0	1.0
1.25°	8.0	7.5	7.0	6.0	5.0	4.5	4.0	3.5	3.0	2.0	1.0
0°	8.0	7.5	7.0	6.0	5.0	4.5	4.0	3.5	3.0	2.0	1.0
-1.25°	8.0	7.5	7.0	6.0	5.0	4.5	4.0	3.5	3.0	2.0	1.0
-2.5°	8.0	7.5	7.0	6.0	5.0	4.5	4.0	3.5	3.0	2.0	1.0
-3.75°	8.0	7.5	7.0	6.0	5.0	4.5	4.0	3.5	3.0	2.0	1.0
-5°	8.0	7.5	7.0	6.0	5.0	4.5	4.0	3.5	3.0	2.0	1.0
-6.25°	8.0	7.5	6.9	5.9	5.0	4.5	4.0	3.5	3.0	2.0	1.0
-7.5°	7.9	7.5	6.9	5.9	5.0	4.5	4.0	3.5	3.0	2.0	1.0
-8.75°	7.9	7.4	6.9	5.9	5.0	4.5	4.0	3.5	3.0	2.0	1.0
-10°	7.9	7.4	6.8	5.9	4.9	4.4	4.0	3.5	2.9	2.0	1.0
-11.25°	7.9	7.4	6.8	5.8	4.9	4.4	3.9	3.5	2.9	1.9	1.0
-12.5°	7.9	7.4	6.8	5.8	4.9	4.4	3.9	3.4	2.9	1.9	1.0
-13.75°	7.8	7.3	6.7	5.7	4.9	4.4	3.9	3.4	2.9	1.9	1.0
-15°	7.8	7.3	6.7	5.7	4.9	4.4	3.9	3.4	2.9	1.9	1.0
-16.25°	7.8	7.3	6.6	5.6	4.8	4.4	3.9	3.4	2.8	1.9	1.0
-17.5°	7.7	7.2	6.5	5.6	4.8	4.3	3.9	3.4	2.8	1.9	1.0
-18.75°	7.7	7.2	6.5	5.5	4.8	4.3	3.8	3.4	2.8	1.8	0.9
-20°	7.6	7.2	6.4	5.5	4.8	4.3	3.8	3.3	2.8	1.8	0.9
-21.25°	7.6	7.1	6.3	5.4	4.7	4.3	3.8	3.3	2.7	1.8	0.9





REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	7.5	7.1	6.2	5.3	4.7	4.2	3.8	3.3	2.7	1.8	0.9
-23.75°	7.5	7.0	6.1	5.2	4.7	4.2	3.7	3.3	2.7	1.7	0.9
-25°	7.4	7.0	6.1	5.1	4.6	4.2	3.7	3.3	2.6	1.7	0.9
-26.25°	7.4	6.8	6.0	5.1	4.6	4.1	3.7	3.2	2.6	1.7	0.9
-27.5°	7.3	6.7	5.9	5.0	4.5	4.1	3.7	3.2	2.5	1.7	0.9
-28.75°	7.2	6.6	5.8	4.9	4.5	4.1	3.6	3.2	2.5	1.6	0.9
-30°	7.2	6.5	5.6	4.9	4.5	4.0	3.6	3.2	2.5	1.6	0.9
-31.25°	7.1	6.4	5.5	4.8	4.4	4.0	3.6	3.1	2.4	1.6	0.9
-32.5°	7.0	6.3	5.4	4.8	4.4	3.9	3.5	3.1	2.4	1.5	0.8
-33.75°	6.9	6.1	5.3	4.7	4.3	3.9	3.5	3.1	2.3	1.5	0.8
-35°	6.8	6.0	5.2	4.7	4.3	3.9	3.5	3.0	2.3	1.5	0.8
-36.25°	6.6	5.8	5.0	4.6	4.2	3.8	3.4	3.0	2.2	1.4	0.8
-37.5°	6.5	5.7	5.0	4.6	4.2	3.8	3.4	3.0	2.2	1.4	0.8
-38.75°	6.3	5.5	4.9	4.5	4.1	3.7	3.3	2.9	2.1	1.3	0.8
-40°	6.1	5.4	4.8	4.4	4.1	3.7	3.3	2.8	2.1	1.3	0.8
-41.25°	6.0	5.2	4.7	4.4	4.0	3.6	3.3	2.8	2.0	1.3	0.8
-42.5°	5.8	5.1	4.7	4.3	3.9	3.6	3.2	2.7	1.9	1.2	0.7
-43.75°	5.6	5.0	4.6	4.2	3.9	3.5	3.2	2.6	1.9	1.2	0.7
-45°	5.4	4.9	4.5	4.2	3.8	3.5	3.1	2.5	1.8	1.1	0.7
-46.25°	5.2	4.8	4.4	4.1	3.8	3.4	3.1	2.5	1.8	1.1	0.7
-47.5°	5.1	4.7	4.4	4.0	3.7	3.4	3.0	2.4	1.7	1.0	0.7
-48.75°	4.9	4.6	4.3	4.0	3.6	3.3	2.9	2.3	1.6	1.0	0.7
-50°	4.8	4.5	4.2	3.9	3.6	3.2	2.9	2.2	1.6	1.0	0.6
-51.25°	4.7	4.4	4.1	3.8	3.5	3.2	2.7	2.1	1.5	0.9	0.6
-52.5°	4.6	4.3	4.0	3.7	3.4	3.1	2.6	2.0	1.4	0.9	0.6
-53.75°	4.5	4.2	3.9	3.6	3.4	3.1	2.5	2.0	1.4	0.9	0.6
-55°	4.4	4.1	3.9	3.6	3.3	3.0	2.4	1.9	1.3	0.9	0.6
-56.25°	4.3	4.0	3.8	3.5	3.2	2.9	2.3	1.8	1.2	0.8	0.6
-57.5°	4.2	3.9	3.7	3.4	3.1	2.8	2.2	1.7	1.1	0.8	0.5
-58.75°	4.1	3.8	3.6	3.3	3.1	2.6	2.1	1.6	1.1	0.8	0.5
-60°	4.0	3.7	3.5	3.2	3.0	2.5	2.0	1.5	1.0	0.7	0.5
-61.25°	3.9	3.6	3.4	3.2	2.8	2.4	1.9	1.4	1.0	0.7	0.5
-62.5°	3.7	3.5	3.3	3.1	2.7	2.2	1.8	1.3	0.9	0.7	0.5
-63.75°	3.6	3.4	3.2	3.0	2.5	2.1	1.6	1.2	0.9	0.7	0.4
-65°	3.5	3.3	3.1	2.8	2.4	1.9	1.5	1.1	0.8	0.6	0.4
-66.25°	3.4	3.2	3.0	2.6	2.2	1.8	1.4	1.0	0.8	0.6	0.4
-67.5°	3.3	3.1	2.8	2.4	2.0	1.7	1.3	1.0	0.8	0.6	0.4
-68.75°	3.2	3.0	2.6	2.2	1.9	1.5	1.2	0.9	0.7	0.5	0.4
-70°	3.0	2.7	2.4	2.1	1.7	1.4	1.0	0.9	0.7	0.5	0.3
-71.25°	2.8	2.5	2.2	1.9	1.6	1.2	1.0	0.8	0.6	0.5	0.3
-72.5°	2.6	2.3	2.0	1.7	1.4	1.1	0.9	0.8	0.6	0.5	0.3
-73.75°	2.3	2.1	1.8	1.5	1.2	1.0	0.8	0.7	0.6	0.4	0.3
-75°	2.1	1.8	1.6	1.3	1.1	0.9	0.8	0.6	0.5	0.4	0.3
-76.25°	1.8	1.6	1.4	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.2
-77.5°	1.6	1.4	1.1	1.0	0.9	0.8	0.6	0.5	0.4	0.3	0.2



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	1.3	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-80°	1.1	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
-81.25°	0.9	0.8	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
-82.5°	0.8	0.7	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.1
-83.75°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
-85°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
-86.25°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
-87.5°	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
-88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
90°	0.0	0.0
88.75°	0.0	0.0
87.5°	0.0	0.0
86.25°	0.0	0.0
85°	0.0	0.0
83.75°	0.1	0.0
82.5°	0.1	0.0
81.25°	0.1	0.0
80°	0.1	0.0
78.75°	0.1	0.0
77.5°	0.1	0.0
76.25°	0.1	0.0
75°	0.1	0.0
73.75°	0.1	0.0
72.5°	0.2	0.0
71.25°	0.2	0.0
70°	0.2	0.0
68.75°	0.2	0.0
67.5°	0.2	0.0
66.25°	0.2	0.0
65°	0.2	0.0
63.75°	0.2	0.0
62.5°	0.2	0.0
61.25°	0.2	0.0
60°	0.2	0.0
58.75°	0.3	0.0
57.5°	0.3	0.0
56.25°	0.3	0.0
55°	0.3	0.0
53.75°	0.3	0.0
52.5°	0.3	0.0
51.25°	0.3	0.0
50°	0.3	0.0
48.75°	0.3	0.0
47.5°	0.3	0.0
46.25°	0.3	0.0
45°	0.4	0.0
43.75°	0.4	0.0
42.5°	0.4	0.0
41.25°	0.4	0.0
40°	0.4	0.0
38.75°	0.4	0.0
37.5°	0.4	0.0
36.25°	0.4	0.0
35°	0.4	0.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
33.75°	0.4	0.0
32.5°	0.4	0.0
31.25°	0.4	0.0
30°	0.4	0.0
28.75°	0.4	0.0
27.5°	0.4	0.0
26.25°	0.4	0.0
25°	0.5	0.0
23.75°	0.5	0.0
22.5°	0.5	0.0
21.25°	0.5	0.0
20°	0.5	0.0
18.75°	0.5	0.0
17.5°	0.5	0.0
16.25°	0.5	0.0
15°	0.5	0.0
13.75°	0.5	0.0
12.5°	0.5	0.0
11.25°	0.5	0.0
10°	0.5	0.0
8.75°	0.5	0.0
7.5°	0.5	0.0
6.25°	0.5	0.0
5°	0.5	0.0
3.75°	0.5	0.0
2.5°	0.5	0.0
1.25°	0.5	0.0
0°	0.5	0.0
-1.25°	0.5	0.0
-2.5°	0.5	0.0
-3.75°	0.5	0.0
-5°	0.5	0.0
-6.25°	0.5	0.0
-7.5°	0.5	0.0
-8.75°	0.5	0.0
-10°	0.5	0.0
-11.25°	0.5	0.0
-12.5°	0.5	0.0
-13.75°	0.5	0.0
-15°	0.5	0.0
-16.25°	0.5	0.0
-17.5°	0.5	0.0
-18.75°	0.5	0.0
-20°	0.5	0.0
-21.25°	0.5	0.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-22.5°	0.5	0.0
-23.75°	0.5	0.0
-25°	0.5	0.0
-26.25°	0.4	0.0
-27.5°	0.4	0.0
-28.75°	0.4	0.0
-30°	0.4	0.0
-31.25°	0.4	0.0
-32.5°	0.4	0.0
-33.75°	0.4	0.0
-35°	0.4	0.0
-36.25°	0.4	0.0
-37.5°	0.4	0.0
-38.75°	0.4	0.0
-40°	0.4	0.0
-41.25°	0.4	0.0
-42.5°	0.4	0.0
-43.75°	0.4	0.0
-45°	0.4	0.0
-46.25°	0.3	0.0
-47.5°	0.3	0.0
-48.75°	0.3	0.0
-50°	0.3	0.0
-51.25°	0.3	0.0
-52.5°	0.3	0.0
-53.75°	0.3	0.0
-55°	0.3	0.0
-56.25°	0.3	0.0
-57.5°	0.3	0.0
-58.75°	0.3	0.0
-60°	0.2	0.0
-61.25°	0.2	0.0
-62.5°	0.2	0.0
-63.75°	0.2	0.0
-65°	0.2	0.0
-66.25°	0.2	0.0
-67.5°	0.2	0.0
-68.75°	0.2	0.0
-70°	0.2	0.0
-71.25°	0.2	0.0
-72.5°	0.2	0.0
-73.75°	0.1	0.0
-75°	0.1	0.0
-76.25°	0.1	0.0
-77.5°	0.1	0.0



REPORT NUMBER: P29412 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-78.75°	0.1	0.0
-80°	0.1	0.0
-81.25°	0.1	0.0
-82.5°	0.1	0.0
-83.75°	0.1	0.0
-85°	0.0	0.0
-86.25°	0.0	0.0
-87.5°	0.0	0.0
-88.75°	0.0	0.0
-90°	0.0	0.0

(END OF REPORT)