

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

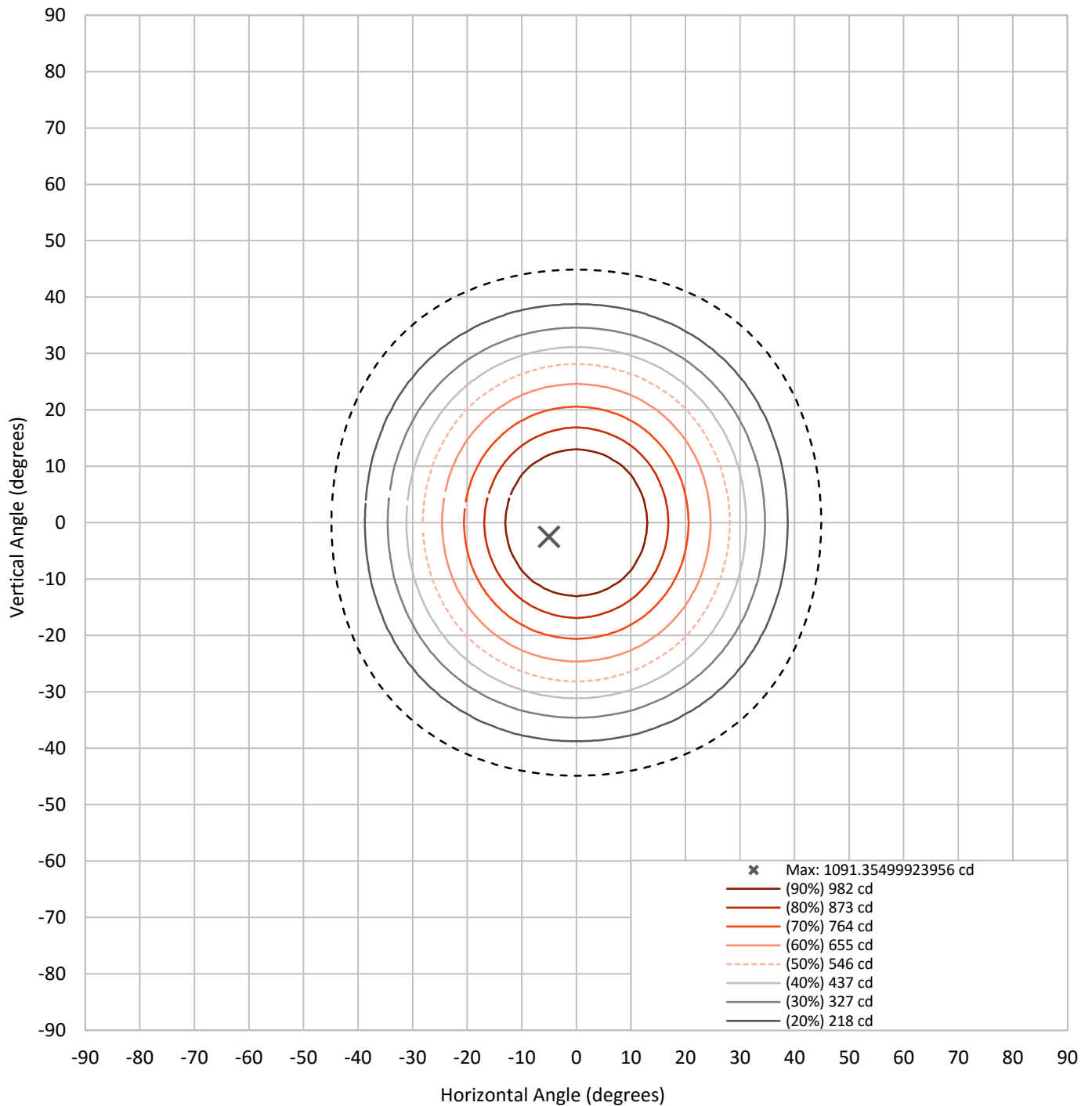
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	967.1 lumens	Max Intensity:	1091.4 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	96.7 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	56.1°H x 55.5°V	Field Angle (10%):	89.7°H x 89.4°V
Beam Lumens:	598.2 lumens	Field Lumens:	903 lumens
Beam Efficiency:	61.9%	Field Efficiency:	93.4%

Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): 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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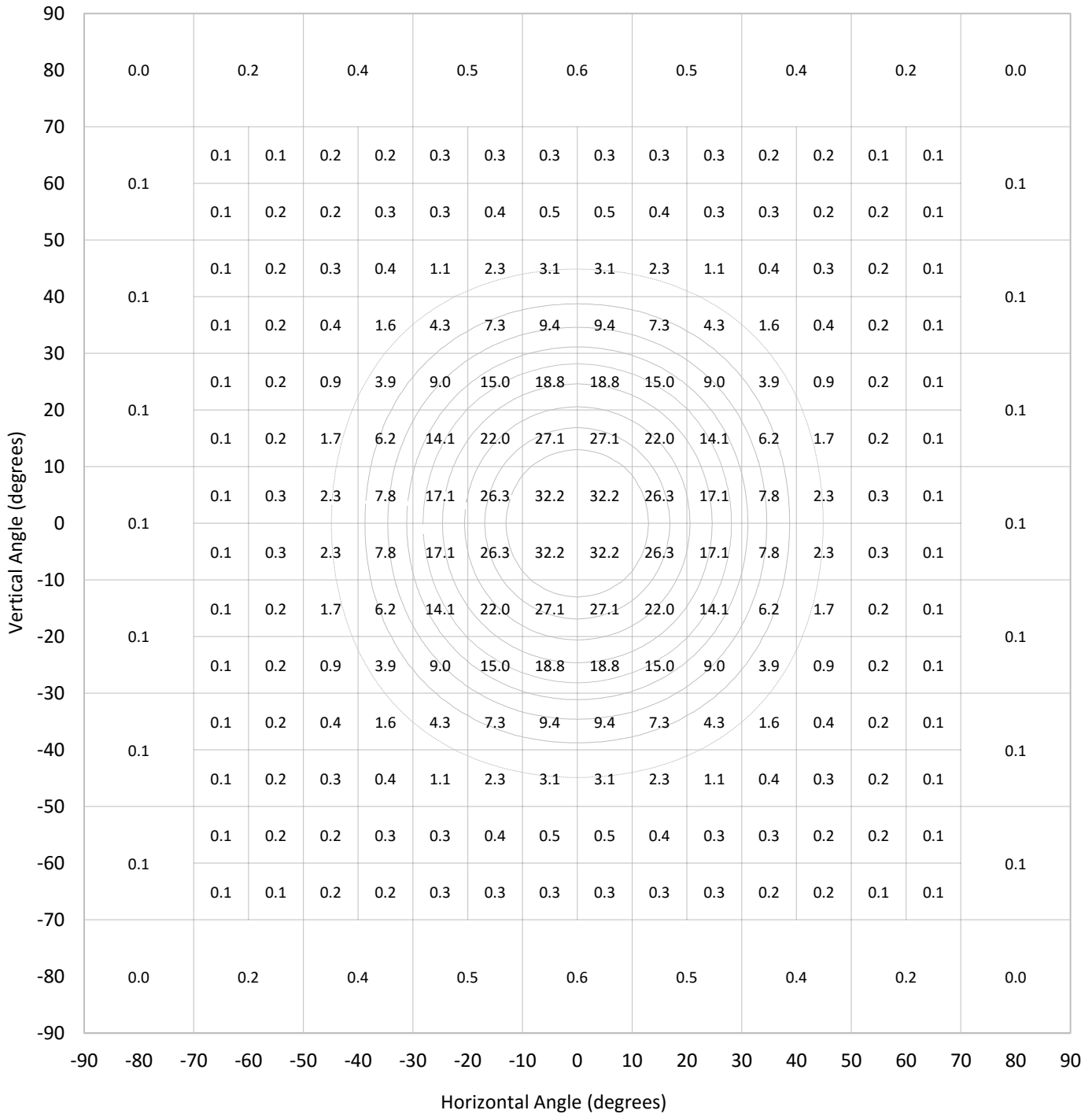
Iso-Candela Plot





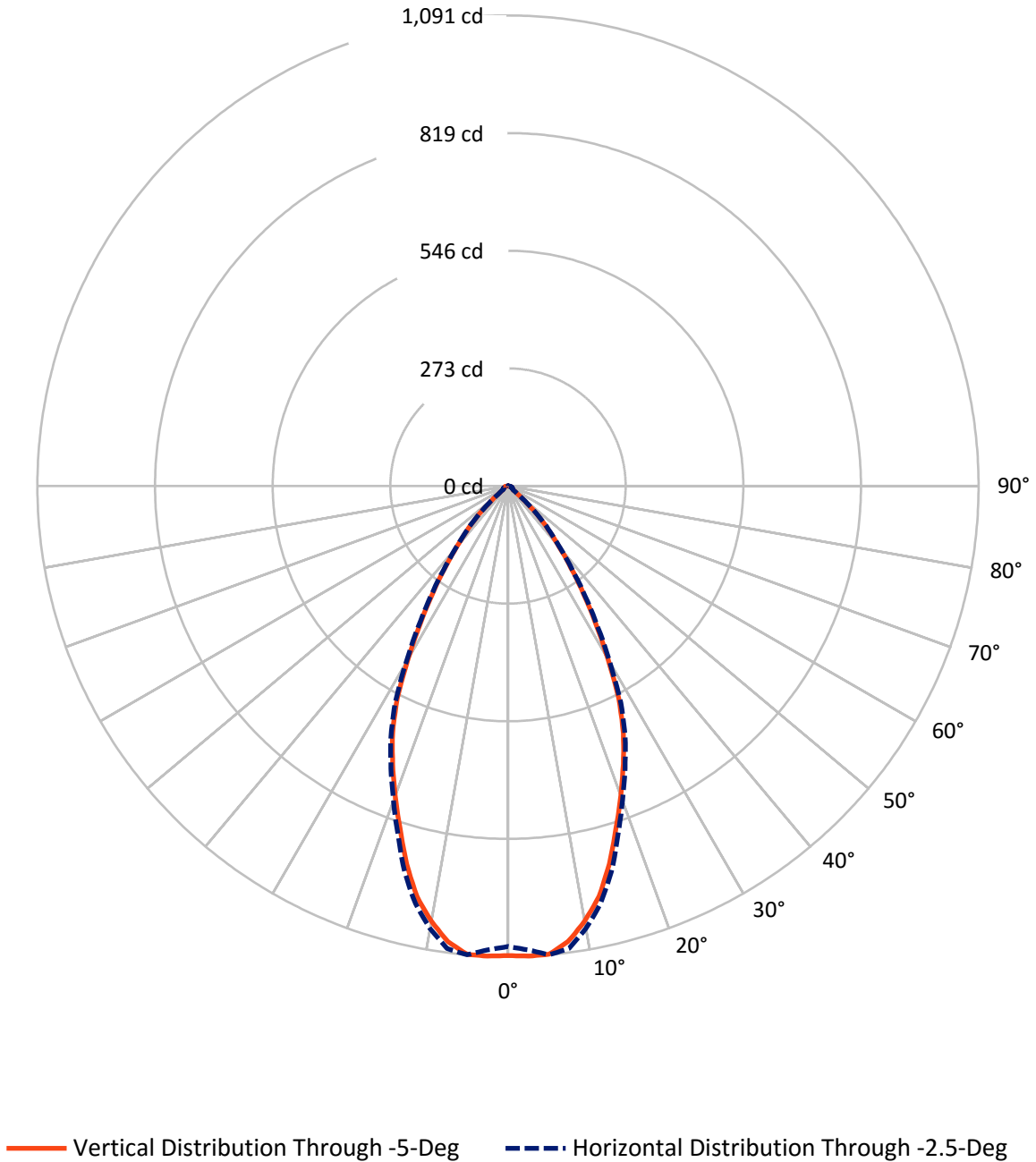
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Lumen Table



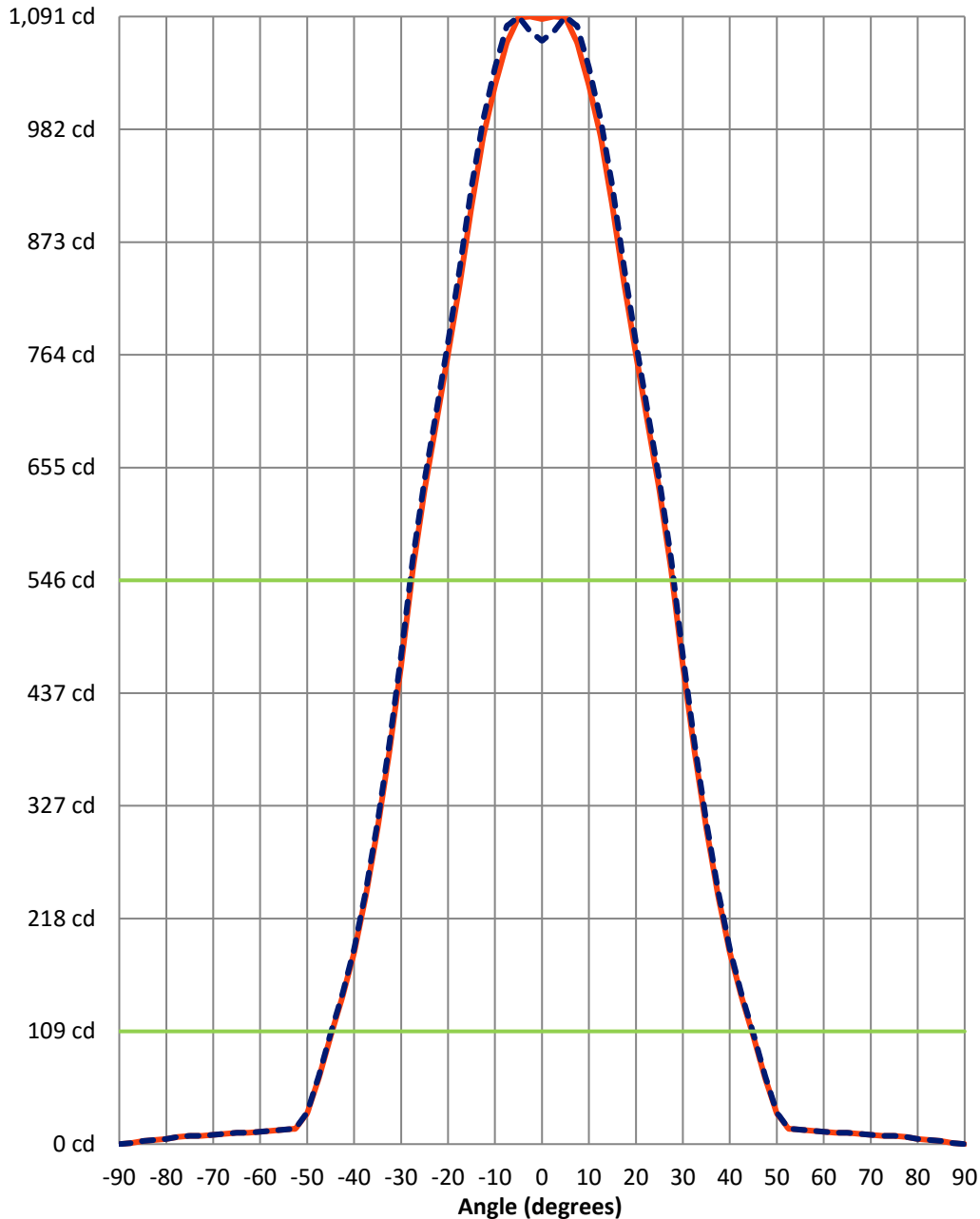
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 56.1°
 V Angle: 55.5°
 Lumens: 598.2
 Efficiency: 61.9%

Field:
 H Angle: 89.7°
 V Angle: 89.4°
 Lumens: 903
 Efficiency: 93.4%

Spill:
 Lumens: 64.2
 Efficiency: 6.6%

- Vertical Distribution through -5-Deg
- - Horizontal Distribution through -2.5-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
85°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8
82.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.3	1.5
80°	0.0	0.2	0.3	0.5	0.7	0.9	1.1	1.4	1.7	2.0	2.4
77.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.6	2.0	2.4	2.8	3.1
75°	0.0	0.3	0.5	0.8	1.1	1.6	2.1	2.6	3.0	3.3	3.5
72.5°	0.0	0.3	0.6	0.9	1.4	2.0	2.6	3.1	3.4	3.6	3.9
70°	0.0	0.3	0.7	1.0	1.7	2.4	3.0	3.4	3.7	4.0	4.3
67.5°	0.0	0.4	0.8	1.3	2.0	2.8	3.3	3.6	4.0	4.4	4.7
65°	0.0	0.4	0.8	1.5	2.4	3.1	3.5	3.9	4.3	4.7	5.2
62.5°	0.0	0.5	0.9	1.8	2.7	3.3	3.7	4.2	4.6	5.1	6.0
60°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	4.9	5.8	6.8
57.5°	0.0	0.5	1.1	2.2	3.1	3.7	4.2	4.7	5.5	6.5	7.2
55°	0.0	0.6	1.3	2.4	3.3	3.9	4.4	5.0	6.1	7.1	7.6
52.5°	0.0	0.6	1.4	2.6	3.4	4.0	4.6	5.4	6.6	7.4	8.0
50°	0.0	0.6	1.6	2.9	3.6	4.2	4.8	5.9	7.1	7.7	8.0
47.5°	0.0	0.7	1.7	3.0	3.7	4.4	5.1	6.4	7.3	8.0	8.0
45°	0.0	0.7	1.8	3.1	3.8	4.5	5.4	6.8	7.6	8.0	8.0
42.5°	0.0	0.7	1.9	3.2	3.9	4.7	5.8	7.1	7.8	8.0	8.3
40°	0.0	0.8	2.1	3.3	4.1	4.8	6.1	7.3	8.0	8.0	8.6
37.5°	0.0	0.8	2.2	3.4	4.2	5.0	6.5	7.5	8.0	8.1	8.8
35°	0.0	0.8	2.3	3.5	4.3	5.2	6.8	7.7	8.0	8.3	9.1
32.5°	0.0	0.8	2.4	3.5	4.4	5.4	7.0	7.9	8.0	8.5	9.4
30°	0.0	0.9	2.5	3.6	4.5	5.6	7.2	8.0	8.0	8.7	9.6
27.5°	0.0	0.9	2.5	3.7	4.5	5.9	7.3	8.0	8.1	8.9	9.8
25°	0.0	0.9	2.6	3.7	4.6	6.1	7.4	8.0	8.2	9.1	10.0
22.5°	0.0	0.9	2.7	3.8	4.7	6.2	7.5	8.0	8.4	9.3	10.2
20°	0.0	0.9	2.8	3.8	4.8	6.4	7.6	8.0	8.5	9.4	10.4
17.5°	0.0	1.0	2.8	3.9	4.8	6.5	7.7	8.0	8.6	9.6	10.5
15°	0.0	1.0	2.9	3.9	4.9	6.7	7.8	8.0	8.7	9.7	10.6
12.5°	0.0	1.0	2.9	3.9	4.9	6.8	7.9	8.0	8.8	9.8	10.7
10°	0.0	1.0	2.9	4.0	4.9	6.8	7.9	8.0	8.9	9.9	10.8
7.5°	0.0	1.0	3.0	4.0	5.0	6.9	7.9	8.0	8.9	9.9	10.9
5°	0.0	1.0	3.0	4.0	5.0	7.0	8.0	8.0	9.0	10.0	11.0
2.5°	0.0	1.0	3.0	4.0	5.0	7.0	8.0	8.0	9.0	10.0	11.0
0°	0.0	1.0	3.0	4.0	5.0	7.0	8.0	8.0	9.0	10.0	11.0
-2.5°	0.0	1.0	3.0	4.0	5.0	7.0	8.0	8.0	9.0	10.0	11.0
-5°	0.0	1.0	3.0	4.0	5.0	7.0	8.0	8.0	9.0	10.0	11.0
-7.5°	0.0	1.0	3.0	4.0	5.0	6.9	7.9	8.0	8.9	9.9	10.9
-10°	0.0	1.0	2.9	4.0	4.9	6.8	7.9	8.0	8.9	9.9	10.8
-12.5°	0.0	1.0	2.9	3.9	4.9	6.8	7.9	8.0	8.8	9.8	10.7
-15°	0.0	1.0	2.9	3.9	4.9	6.7	7.8	8.0	8.7	9.7	10.6
-17.5°	0.0	1.0	2.8	3.9	4.8	6.5	7.7	8.0	8.6	9.6	10.5
-20°	0.0	0.9	2.8	3.8	4.8	6.4	7.6	8.0	8.5	9.4	10.4



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	0.9	2.7	3.8	4.7	6.2	7.5	8.0	8.4	9.3	10.2
-25°	0.0	0.9	2.6	3.7	4.6	6.1	7.4	8.0	8.2	9.1	10.0
-27.5°	0.0	0.9	2.5	3.7	4.5	5.9	7.3	8.0	8.1	8.9	9.8
-30°	0.0	0.9	2.5	3.6	4.5	5.6	7.2	8.0	8.0	8.7	9.6
-32.5°	0.0	0.8	2.4	3.5	4.4	5.4	7.0	7.9	8.0	8.5	9.4
-35°	0.0	0.8	2.3	3.5	4.3	5.2	6.8	7.7	8.0	8.3	9.1
-37.5°	0.0	0.8	2.2	3.4	4.2	5.0	6.5	7.5	8.0	8.1	8.8
-40°	0.0	0.8	2.1	3.3	4.1	4.8	6.1	7.3	8.0	8.0	8.6
-42.5°	0.0	0.7	1.9	3.2	3.9	4.7	5.8	7.1	7.8	8.0	8.3
-45°	0.0	0.7	1.8	3.1	3.8	4.5	5.4	6.8	7.6	8.0	8.0
-47.5°	0.0	0.7	1.7	3.0	3.7	4.4	5.1	6.4	7.3	8.0	8.0
-50°	0.0	0.6	1.6	2.9	3.6	4.2	4.8	5.9	7.1	7.7	8.0
-52.5°	0.0	0.6	1.4	2.6	3.4	4.0	4.6	5.4	6.6	7.4	8.0
-55°	0.0	0.6	1.3	2.4	3.3	3.9	4.4	5.0	6.1	7.1	7.6
-57.5°	0.0	0.5	1.1	2.2	3.1	3.7	4.2	4.7	5.5	6.5	7.2
-60°	0.0	0.5	1.0	2.0	3.0	3.5	4.0	4.5	4.9	5.8	6.8
-62.5°	0.0	0.5	0.9	1.8	2.7	3.3	3.7	4.2	4.6	5.1	6.0
-65°	0.0	0.4	0.8	1.5	2.4	3.1	3.5	3.9	4.3	4.7	5.2
-67.5°	0.0	0.4	0.8	1.3	2.0	2.8	3.3	3.6	4.0	4.4	4.7
-70°	0.0	0.3	0.7	1.0	1.7	2.4	3.0	3.4	3.7	4.0	4.3
-72.5°	0.0	0.3	0.6	0.9	1.4	2.0	2.6	3.1	3.4	3.6	3.9
-75°	0.0	0.3	0.5	0.8	1.1	1.6	2.1	2.6	3.0	3.3	3.5
-77.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.6	2.0	2.4	2.8	3.1
-80°	0.0	0.2	0.3	0.5	0.7	0.9	1.1	1.4	1.7	2.0	2.4
-82.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.3	1.5
-85°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8
-87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	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



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8
85°	0.9	1.0	1.1	1.3	1.4	1.6	1.7	1.8	1.9	2.1	2.2
82.5°	1.8	2.0	2.2	2.4	2.6	2.9	3.0	3.1	3.2	3.3	3.4
80°	2.7	3.0	3.1	3.3	3.4	3.6	3.7	3.8	3.9	4.1	4.2
77.5°	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.5	4.7	4.8	5.0
75°	3.7	4.0	4.2	4.4	4.6	4.8	5.1	5.4	5.8	6.1	6.5
72.5°	4.2	4.5	4.7	5.0	5.4	5.9	6.4	6.8	7.1	7.3	7.5
70°	4.6	4.9	5.5	6.1	6.6	7.1	7.3	7.6	7.8	8.0	8.0
67.5°	5.1	5.8	6.5	7.1	7.4	7.7	8.0	8.0	8.0	8.0	8.1
65°	6.0	6.8	7.2	7.6	8.0	8.0	8.0	8.0	8.3	8.6	8.8
62.5°	6.8	7.3	7.7	8.0	8.0	8.0	8.3	8.6	9.0	9.3	9.6
60°	7.3	7.8	8.0	8.0	8.1	8.5	8.9	9.3	9.7	10.0	10.3
57.5°	7.7	8.0	8.0	8.2	8.6	9.1	9.5	9.9	10.3	10.7	11.0
55°	8.0	8.0	8.2	8.7	9.2	9.7	10.1	10.6	11.0	11.0	11.0
52.5°	8.0	8.1	8.6	9.2	9.7	10.2	10.7	11.0	11.0	11.1	11.6
50°	8.0	8.5	9.1	9.7	10.2	10.8	11.0	11.0	11.3	11.8	12.3
47.5°	8.3	8.9	9.5	10.1	10.7	11.0	11.0	11.4	11.9	12.5	13.0
45°	8.6	9.3	9.9	10.6	11.0	11.0	11.4	12.0	12.6	13.1	13.6
42.5°	9.0	9.7	10.3	11.0	11.0	11.3	11.9	12.6	13.2	13.8	14.3
40°	9.3	10.0	10.7	11.0	11.1	11.8	12.5	13.1	13.8	14.4	15.0
37.5°	9.6	10.3	11.0	11.0	11.6	12.3	13.0	13.6	14.3	15.0	24.6
35°	9.9	10.7	11.0	11.2	12.0	12.7	13.4	14.2	14.9	23.7	38.7
32.5°	10.2	11.0	11.0	11.6	12.4	13.1	13.9	14.6	21.1	34.5	59.8
30°	10.4	11.0	11.1	11.9	12.7	13.5	14.3	16.7	29.0	53.5	81.7
27.5°	10.7	11.0	11.4	12.2	13.1	13.9	14.7	23.6	43.1	72.0	103.5
25°	10.9	11.0	11.7	12.5	13.4	14.3	16.6	30.1	58.8	91.1	122.8
22.5°	11.0	11.0	11.9	12.8	13.7	14.6	22.2	42.4	74.1	108.8	140.5
20°	11.0	11.2	12.1	13.0	14.0	14.9	27.2	54.6	89.2	123.8	158.4
17.5°	11.0	11.4	12.3	13.3	14.2	17.0	32.7	65.6	102.8	137.4	175.4
15°	11.0	11.6	12.5	13.5	14.4	20.6	41.6	76.5	114.2	150.0	190.6
12.5°	11.0	11.7	12.7	13.6	14.6	23.8	49.3	86.0	123.8	162.0	207.4
10°	11.0	11.8	12.8	13.8	14.7	26.4	55.6	93.8	131.7	171.9	221.5
7.5°	11.0	11.9	12.9	13.9	14.8	28.4	60.6	100.0	137.9	179.8	232.5
5°	11.0	11.9	12.9	13.9	14.9	29.8	64.1	104.4	142.4	185.4	240.5
2.5°	11.0	12.0	13.0	14.0	15.0	30.7	66.3	107.1	145.1	188.9	245.4
0°	11.0	12.0	13.0	14.0	15.0	31.0	67.0	108.0	146.0	190.0	247.0
-2.5°	11.0	12.0	13.0	14.0	15.0	30.7	66.3	107.1	145.1	188.9	245.4
-5°	11.0	11.9	12.9	13.9	14.9	29.8	64.1	104.4	142.4	185.4	240.5
-7.5°	11.0	11.9	12.9	13.9	14.8	28.4	60.6	100.0	137.9	179.8	232.5
-10°	11.0	11.8	12.8	13.8	14.7	26.4	55.6	93.8	131.7	171.9	221.5
-12.5°	11.0	11.7	12.7	13.6	14.6	23.8	49.3	86.0	123.8	162.0	207.4
-15°	11.0	11.6	12.5	13.5	14.4	20.6	41.6	76.5	114.2	150.0	190.6
-17.5°	11.0	11.4	12.3	13.3	14.2	17.0	32.7	65.6	102.8	137.4	175.4
-20°	11.0	11.2	12.1	13.0	14.0	14.9	27.2	54.6	89.2	123.8	158.4



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	11.0	11.0	11.9	12.8	13.7	14.6	22.2	42.4	74.1	108.8	140.5
-25°	10.9	11.0	11.7	12.5	13.4	14.3	16.6	30.1	58.8	91.1	122.8
-27.5°	10.7	11.0	11.4	12.2	13.1	13.9	14.7	23.6	43.1	72.0	103.5
-30°	10.4	11.0	11.1	11.9	12.7	13.5	14.3	16.7	29.0	53.5	81.7
-32.5°	10.2	11.0	11.0	11.6	12.4	13.1	13.9	14.6	21.1	34.5	59.8
-35°	9.9	10.7	11.0	11.2	12.0	12.7	13.4	14.2	14.9	23.7	38.7
-37.5°	9.6	10.3	11.0	11.0	11.6	12.3	13.0	13.6	14.3	15.0	24.6
-40°	9.3	10.0	10.7	11.0	11.1	11.8	12.5	13.1	13.8	14.4	15.0
-42.5°	9.0	9.7	10.3	11.0	11.0	11.3	11.9	12.6	13.2	13.8	14.3
-45°	8.6	9.3	9.9	10.6	11.0	11.0	11.4	12.0	12.6	13.1	13.6
-47.5°	8.3	8.9	9.5	10.1	10.7	11.0	11.0	11.4	11.9	12.5	13.0
-50°	8.0	8.5	9.1	9.7	10.2	10.8	11.0	11.0	11.3	11.8	12.3
-52.5°	8.0	8.1	8.6	9.2	9.7	10.2	10.7	11.0	11.0	11.1	11.6
-55°	8.0	8.0	8.2	8.7	9.2	9.7	10.1	10.6	11.0	11.0	11.0
-57.5°	7.7	8.0	8.0	8.2	8.6	9.1	9.5	9.9	10.3	10.7	11.0
-60°	7.3	7.8	8.0	8.0	8.1	8.5	8.9	9.3	9.7	10.0	10.3
-62.5°	6.8	7.3	7.7	8.0	8.0	8.0	8.3	8.6	9.0	9.3	9.6
-65°	6.0	6.8	7.2	7.6	8.0	8.0	8.0	8.0	8.3	8.6	8.8
-67.5°	5.1	5.8	6.5	7.1	7.4	7.7	8.0	8.0	8.0	8.0	8.1
-70°	4.6	4.9	5.5	6.1	6.6	7.1	7.3	7.6	7.8	8.0	8.0
-72.5°	4.2	4.5	4.7	5.0	5.4	5.9	6.4	6.8	7.1	7.3	7.5
-75°	3.7	4.0	4.2	4.4	4.6	4.8	5.1	5.4	5.8	6.1	6.5
-77.5°	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.5	4.7	4.8	5.0
-80°	2.7	3.0	3.1	3.3	3.4	3.6	3.7	3.8	3.9	4.1	4.2
-82.5°	1.8	2.0	2.2	2.4	2.6	2.9	3.0	3.1	3.2	3.3	3.4
-85°	0.9	1.0	1.1	1.3	1.4	1.6	1.7	1.8	1.9	2.1	2.2
-87.5°	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8
-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°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0
85°	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.8	2.9	2.9	2.9
82.5°	3.5	3.5	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.9	4.0
80°	4.3	4.4	4.5	4.5	4.6	4.7	4.8	4.8	4.9	4.9	4.9
77.5°	5.2	5.4	5.6	5.9	6.1	6.2	6.4	6.5	6.7	6.8	6.8
75°	6.8	7.0	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.9
72.5°	7.7	7.9	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	8.1	8.2	8.4	8.5	8.6	8.7	8.8	8.9
67.5°	8.3	8.5	8.7	8.9	9.1	9.3	9.4	9.6	9.7	9.8	9.9
65°	9.1	9.4	9.6	9.8	10.0	10.2	10.4	10.5	10.6	10.7	10.8
62.5°	9.9	10.2	10.4	10.7	10.9	11.0	11.0	11.0	11.0	11.0	11.0
60°	10.7	11.0	11.0	11.0	11.0	11.0	11.2	11.4	11.6	11.7	11.8
57.5°	11.0	11.0	11.1	11.4	11.7	11.9	12.1	12.3	12.5	12.7	12.8
55°	11.2	11.6	11.9	12.2	12.5	12.8	13.0	13.3	13.5	13.6	13.8
52.5°	12.0	12.4	12.7	13.1	13.4	13.7	14.0	14.2	14.4	14.6	14.7
50°	12.7	13.1	13.5	13.9	14.3	14.6	14.9	17.0	20.6	23.8	26.4
47.5°	13.4	13.9	14.3	14.7	16.6	22.2	27.2	32.7	41.6	49.3	55.6
45°	14.2	14.6	16.7	23.6	30.1	42.4	54.6	65.6	76.5	86.0	93.8
42.5°	14.9	21.1	29.0	43.1	58.8	74.1	89.2	102.8	114.2	123.8	131.7
40°	23.7	34.5	53.5	72.0	91.1	108.8	123.8	137.4	150.0	162.0	171.9
37.5°	38.7	59.8	81.7	103.5	122.8	140.5	158.4	175.4	190.6	207.4	221.5
35°	61.9	86.7	110.8	132.3	153.7	175.6	197.6	221.3	242.5	263.2	281.2
32.5°	86.7	113.2	137.2	162.3	187.4	217.1	245.2	275.1	302.0	327.0	349.2
30°	110.8	137.2	165.2	194.3	229.0	264.2	299.8	334.8	367.9	397.7	425.3
27.5°	132.3	162.3	194.3	233.0	273.9	315.0	358.4	399.4	440.1	475.8	507.4
25°	153.7	187.4	229.0	273.9	320.8	370.5	420.7	469.5	515.9	560.8	593.0
22.5°	175.6	217.1	264.2	315.0	370.5	427.8	484.9	543.9	592.5	629.7	659.1
20°	197.6	245.2	299.8	358.4	420.7	484.9	553.3	607.6	651.0	687.3	718.7
17.5°	221.3	275.1	334.8	399.4	469.5	543.9	607.6	658.1	701.8	743.0	778.0
15°	242.5	302.0	367.9	440.1	515.9	592.5	651.0	701.8	751.5	795.9	839.1
12.5°	263.2	327.0	397.7	475.8	560.8	629.7	687.3	743.0	795.9	850.2	902.3
10°	281.2	349.2	425.3	507.4	593.0	659.1	718.7	778.0	839.1	902.3	958.9
7.5°	295.4	366.9	447.2	535.5	617.0	682.0	745.4	808.2	877.6	946.1	997.5
5°	305.7	379.6	463.1	555.9	633.0	698.5	764.6	832.6	907.6	975.2	1024.6
2.5°	311.9	387.4	472.8	566.4	642.7	709.0	776.1	848.2	926.5	991.6	1041.9
0°	314.0	390.0	476.0	570.0	646.0	712.5	780.0	853.5	933.0	997.0	1048.0
-2.5°	311.9	387.4	472.8	566.4	642.7	709.0	776.1	848.2	926.5	991.6	1041.9
-5°	305.7	379.6	463.1	555.9	633.0	698.5	764.6	832.6	907.6	975.2	1024.6
-7.5°	295.4	366.9	447.2	535.5	617.0	682.0	745.4	808.2	877.6	946.1	997.5
-10°	281.2	349.2	425.3	507.4	593.0	659.1	718.7	778.0	839.1	902.3	958.9
-12.5°	263.2	327.0	397.7	475.8	560.8	629.7	687.3	743.0	795.9	850.2	902.3
-15°	242.5	302.0	367.9	440.1	515.9	592.5	651.0	701.8	751.5	795.9	839.1
-17.5°	221.3	275.1	334.8	399.4	469.5	543.9	607.6	658.1	701.8	743.0	778.0
-20°	197.6	245.2	299.8	358.4	420.7	484.9	553.3	607.6	651.0	687.3	718.7



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

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	175.6	217.1	264.2	315.0	370.5	427.8	484.9	543.9	592.5	629.7	659.1
-25°	153.7	187.4	229.0	273.9	320.8	370.5	420.7	469.5	515.9	560.8	593.0
-27.5°	132.3	162.3	194.3	233.0	273.9	315.0	358.4	399.4	440.1	475.8	507.4
-30°	110.8	137.2	165.2	194.3	229.0	264.2	299.8	334.8	367.9	397.7	425.3
-32.5°	86.7	113.2	137.2	162.3	187.4	217.1	245.2	275.1	302.0	327.0	349.2
-35°	61.9	86.7	110.8	132.3	153.7	175.6	197.6	221.3	242.5	263.2	281.2
-37.5°	38.7	59.8	81.7	103.5	122.8	140.5	158.4	175.4	190.6	207.4	221.5
-40°	23.7	34.5	53.5	72.0	91.1	108.8	123.8	137.4	150.0	162.0	171.9
-42.5°	14.9	21.1	29.0	43.1	58.8	74.1	89.2	102.8	114.2	123.8	131.7
-45°	14.2	14.6	16.7	23.6	30.1	42.4	54.6	65.6	76.5	86.0	93.8
-47.5°	13.4	13.9	14.3	14.7	16.6	22.2	27.2	32.7	41.6	49.3	55.6
-50°	12.7	13.1	13.5	13.9	14.3	14.6	14.9	17.0	20.6	23.8	26.4
-52.5°	12.0	12.4	12.7	13.1	13.4	13.7	14.0	14.2	14.4	14.6	14.7
-55°	11.2	11.6	11.9	12.2	12.5	12.8	13.0	13.3	13.5	13.6	13.8
-57.5°	11.0	11.0	11.1	11.4	11.7	11.9	12.1	12.3	12.5	12.7	12.8
-60°	10.7	11.0	11.0	11.0	11.0	11.0	11.2	11.4	11.6	11.7	11.8
-62.5°	9.9	10.2	10.4	10.7	10.9	11.0	11.0	11.0	11.0	11.0	11.0
-65°	9.1	9.4	9.6	9.8	10.0	10.2	10.4	10.5	10.6	10.7	10.8
-67.5°	8.3	8.5	8.7	8.9	9.1	9.3	9.4	9.6	9.7	9.8	9.9
-70°	8.0	8.0	8.0	8.1	8.2	8.4	8.5	8.6	8.7	8.8	8.9
-72.5°	7.7	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-75°	6.8	7.0	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.9
-77.5°	5.2	5.4	5.6	5.9	6.1	6.2	6.4	6.5	6.7	6.8	6.8
-80°	4.3	4.4	4.5	4.5	4.6	4.7	4.8	4.8	4.9	4.9	4.9
-82.5°	3.5	3.5	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.9	4.0
-85°	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.8	2.9	2.9	2.9
-87.5°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0
-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):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8
82.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9
80°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.8
77.5°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.8	6.8	6.7	6.5
75°	7.9	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.7
72.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
70°	8.9	9.0	9.0	9.0	9.0	9.0	8.9	8.9	8.8	8.7	8.6
67.5°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.9	9.8	9.7	9.6
65°	10.9	11.0	11.0	11.0	11.0	11.0	10.9	10.8	10.7	10.6	10.5
62.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
60°	11.9	11.9	12.0	12.0	12.0	11.9	11.9	11.8	11.7	11.6	11.4
57.5°	12.9	12.9	13.0	13.0	13.0	12.9	12.9	12.8	12.7	12.5	12.3
55°	13.9	13.9	14.0	14.0	14.0	13.9	13.9	13.8	13.6	13.5	13.3
52.5°	14.8	14.9	15.0	15.0	15.0	14.9	14.8	14.7	14.6	14.4	14.2
50°	28.4	29.8	30.7	31.0	30.7	29.8	28.4	26.4	23.8	20.6	17.0
47.5°	60.6	64.1	66.3	67.0	66.3	64.1	60.6	55.6	49.3	41.6	32.7
45°	100.0	104.4	107.1	108.0	107.1	104.4	100.0	93.8	86.0	76.5	65.6
42.5°	137.9	142.4	145.1	146.0	145.1	142.4	137.9	131.7	123.8	114.2	102.8
40°	179.8	185.4	188.9	190.0	188.9	185.4	179.8	171.9	162.0	150.0	137.4
37.5°	232.5	240.5	245.4	247.0	245.4	240.5	232.5	221.5	207.4	190.6	175.4
35°	295.4	305.7	311.9	314.0	311.9	305.7	295.4	281.2	263.2	242.5	221.3
32.5°	366.9	379.6	387.4	390.0	387.4	379.6	366.9	349.2	327.0	302.0	275.1
30°	447.2	463.1	472.8	476.0	472.8	463.1	447.2	425.3	397.7	367.9	334.8
27.5°	535.5	555.9	566.4	570.0	566.4	555.9	535.5	507.4	475.8	440.1	399.4
25°	617.0	633.0	642.7	646.0	642.7	633.0	617.0	593.0	560.8	515.9	469.5
22.5°	682.0	698.5	709.0	712.5	709.0	698.5	682.0	659.1	629.7	592.5	543.9
20°	745.4	764.6	776.1	780.0	776.1	764.6	745.4	718.7	687.3	651.0	607.6
17.5°	808.2	832.6	848.2	853.5	848.2	832.6	808.2	778.0	743.0	701.8	658.1
15°	877.6	907.6	926.5	933.0	926.5	907.6	877.6	839.1	795.9	751.5	701.8
12.5°	946.1	975.2	991.6	997.0	991.6	975.2	946.1	902.3	850.2	795.9	743.0
10°	997.5	1024.6	1041.9	1048.0	1041.9	1024.6	997.5	958.9	902.3	839.1	778.0
7.5°	1036.2	1065.9	1082.0	1086.0	1082.0	1065.9	1036.2	997.5	946.1	877.6	808.2
5°	1065.9	1090.3	1091.4	1089.0	1091.4	1090.3	1065.9	1024.6	975.2	907.6	832.6
2.5°	1082.0	1091.4	1076.8	1068.0	1076.8	1091.4	1082.0	1041.9	991.6	926.5	848.2
0°	1086.0	1089.0	1068.0	1065.0	1068.0	1089.0	1086.0	1048.0	997.0	933.0	853.5
-2.5°	1082.0	1091.4	1076.8	1068.0	1076.8	1091.4	1082.0	1041.9	991.6	926.5	848.2
-5°	1065.9	1090.3	1091.4	1089.0	1091.4	1090.3	1065.9	1024.6	975.2	907.6	832.6
-7.5°	1036.2	1065.9	1082.0	1086.0	1082.0	1065.9	1036.2	997.5	946.1	877.6	808.2
-10°	997.5	1024.6	1041.9	1048.0	1041.9	1024.6	997.5	958.9	902.3	839.1	778.0
-12.5°	946.1	975.2	991.6	997.0	991.6	975.2	946.1	902.3	850.2	795.9	743.0
-15°	877.6	907.6	926.5	933.0	926.5	907.6	877.6	839.1	795.9	751.5	701.8
-17.5°	808.2	832.6	848.2	853.5	848.2	832.6	808.2	778.0	743.0	701.8	658.1
-20°	745.4	764.6	776.1	780.0	776.1	764.6	745.4	718.7	687.3	651.0	607.6



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):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	682.0	698.5	709.0	712.5	709.0	698.5	682.0	659.1	629.7	592.5	543.9
-25°	617.0	633.0	642.7	646.0	642.7	633.0	617.0	593.0	560.8	515.9	469.5
-27.5°	535.5	555.9	566.4	570.0	566.4	555.9	535.5	507.4	475.8	440.1	399.4
-30°	447.2	463.1	472.8	476.0	472.8	463.1	447.2	425.3	397.7	367.9	334.8
-32.5°	366.9	379.6	387.4	390.0	387.4	379.6	366.9	349.2	327.0	302.0	275.1
-35°	295.4	305.7	311.9	314.0	311.9	305.7	295.4	281.2	263.2	242.5	221.3
-37.5°	232.5	240.5	245.4	247.0	245.4	240.5	232.5	221.5	207.4	190.6	175.4
-40°	179.8	185.4	188.9	190.0	188.9	185.4	179.8	171.9	162.0	150.0	137.4
-42.5°	137.9	142.4	145.1	146.0	145.1	142.4	137.9	131.7	123.8	114.2	102.8
-45°	100.0	104.4	107.1	108.0	107.1	104.4	100.0	93.8	86.0	76.5	65.6
-47.5°	60.6	64.1	66.3	67.0	66.3	64.1	60.6	55.6	49.3	41.6	32.7
-50°	28.4	29.8	30.7	31.0	30.7	29.8	28.4	26.4	23.8	20.6	17.0
-52.5°	14.8	14.9	15.0	15.0	15.0	14.9	14.8	14.7	14.6	14.4	14.2
-55°	13.9	13.9	14.0	14.0	14.0	13.9	13.9	13.8	13.6	13.5	13.3
-57.5°	12.9	12.9	13.0	13.0	13.0	12.9	12.9	12.8	12.7	12.5	12.3
-60°	11.9	11.9	12.0	12.0	12.0	11.9	11.9	11.8	11.7	11.6	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
-65°	10.9	11.0	11.0	11.0	11.0	11.0	10.9	10.8	10.7	10.6	10.5
-67.5°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.9	9.8	9.7	9.6
-70°	8.9	9.0	9.0	9.0	9.0	9.0	8.9	8.9	8.8	8.7	8.6
-72.5°	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	7.9	7.9	7.9	7.8	7.7
-77.5°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.8	6.8	6.7	6.5
-80°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.8
-82.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9
-85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8
-87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
-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):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7
85°	2.8	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1	1.9	1.8
82.5°	3.8	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1
80°	4.8	4.7	4.6	4.5	4.5	4.4	4.3	4.2	4.1	3.9	3.8
77.5°	6.4	6.2	6.1	5.9	5.6	5.4	5.2	5.0	4.8	4.7	4.5
75°	7.6	7.5	7.4	7.3	7.2	7.0	6.8	6.5	6.1	5.8	5.4
72.5°	8.0	8.0	8.0	8.0	8.0	7.9	7.7	7.5	7.3	7.1	6.8
70°	8.5	8.4	8.2	8.1	8.0	8.0	8.0	8.0	8.0	7.8	7.6
67.5°	9.4	9.3	9.1	8.9	8.7	8.5	8.3	8.1	8.0	8.0	8.0
65°	10.4	10.2	10.0	9.8	9.6	9.4	9.1	8.8	8.6	8.3	8.0
62.5°	11.0	11.0	10.9	10.7	10.4	10.2	9.9	9.6	9.3	9.0	8.6
60°	11.2	11.0	11.0	11.0	11.0	11.0	10.7	10.3	10.0	9.7	9.3
57.5°	12.1	11.9	11.7	11.4	11.1	11.0	11.0	11.0	10.7	10.3	9.9
55°	13.0	12.8	12.5	12.2	11.9	11.6	11.2	11.0	11.0	11.0	10.6
52.5°	14.0	13.7	13.4	13.1	12.7	12.4	12.0	11.6	11.1	11.0	11.0
50°	14.9	14.6	14.3	13.9	13.5	13.1	12.7	12.3	11.8	11.3	11.0
47.5°	27.2	22.2	16.6	14.7	14.3	13.9	13.4	13.0	12.5	11.9	11.4
45°	54.6	42.4	30.1	23.6	16.7	14.6	14.2	13.6	13.1	12.6	12.0
42.5°	89.2	74.1	58.8	43.1	29.0	21.1	14.9	14.3	13.8	13.2	12.6
40°	123.8	108.8	91.1	72.0	53.5	34.5	23.7	15.0	14.4	13.8	13.1
37.5°	158.4	140.5	122.8	103.5	81.7	59.8	38.7	24.6	15.0	14.3	13.6
35°	197.6	175.6	153.7	132.3	110.8	86.7	61.9	38.7	23.7	14.9	14.2
32.5°	245.2	217.1	187.4	162.3	137.2	113.2	86.7	59.8	34.5	21.1	14.6
30°	299.8	264.2	229.0	194.3	165.2	137.2	110.8	81.7	53.5	29.0	16.7
27.5°	358.4	315.0	273.9	233.0	194.3	162.3	132.3	103.5	72.0	43.1	23.6
25°	420.7	370.5	320.8	273.9	229.0	187.4	153.7	122.8	91.1	58.8	30.1
22.5°	484.9	427.8	370.5	315.0	264.2	217.1	175.6	140.5	108.8	74.1	42.4
20°	553.3	484.9	420.7	358.4	299.8	245.2	197.6	158.4	123.8	89.2	54.6
17.5°	607.6	543.9	469.5	399.4	334.8	275.1	221.3	175.4	137.4	102.8	65.6
15°	651.0	592.5	515.9	440.1	367.9	302.0	242.5	190.6	150.0	114.2	76.5
12.5°	687.3	629.7	560.8	475.8	397.7	327.0	263.2	207.4	162.0	123.8	86.0
10°	718.7	659.1	593.0	507.4	425.3	349.2	281.2	221.5	171.9	131.7	93.8
7.5°	745.4	682.0	617.0	535.5	447.2	366.9	295.4	232.5	179.8	137.9	100.0
5°	764.6	698.5	633.0	555.9	463.1	379.6	305.7	240.5	185.4	142.4	104.4
2.5°	776.1	709.0	642.7	566.4	472.8	387.4	311.9	245.4	188.9	145.1	107.1
0°	780.0	712.5	646.0	570.0	476.0	390.0	314.0	247.0	190.0	146.0	108.0
-2.5°	776.1	709.0	642.7	566.4	472.8	387.4	311.9	245.4	188.9	145.1	107.1
-5°	764.6	698.5	633.0	555.9	463.1	379.6	305.7	240.5	185.4	142.4	104.4
-7.5°	745.4	682.0	617.0	535.5	447.2	366.9	295.4	232.5	179.8	137.9	100.0
-10°	718.7	659.1	593.0	507.4	425.3	349.2	281.2	221.5	171.9	131.7	93.8
-12.5°	687.3	629.7	560.8	475.8	397.7	327.0	263.2	207.4	162.0	123.8	86.0
-15°	651.0	592.5	515.9	440.1	367.9	302.0	242.5	190.6	150.0	114.2	76.5
-17.5°	607.6	543.9	469.5	399.4	334.8	275.1	221.3	175.4	137.4	102.8	65.6
-20°	553.3	484.9	420.7	358.4	299.8	245.2	197.6	158.4	123.8	89.2	54.6



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

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	484.9	427.8	370.5	315.0	264.2	217.1	175.6	140.5	108.8	74.1	42.4
-25°	420.7	370.5	320.8	273.9	229.0	187.4	153.7	122.8	91.1	58.8	30.1
-27.5°	358.4	315.0	273.9	233.0	194.3	162.3	132.3	103.5	72.0	43.1	23.6
-30°	299.8	264.2	229.0	194.3	165.2	137.2	110.8	81.7	53.5	29.0	16.7
-32.5°	245.2	217.1	187.4	162.3	137.2	113.2	86.7	59.8	34.5	21.1	14.6
-35°	197.6	175.6	153.7	132.3	110.8	86.7	61.9	38.7	23.7	14.9	14.2
-37.5°	158.4	140.5	122.8	103.5	81.7	59.8	38.7	24.6	15.0	14.3	13.6
-40°	123.8	108.8	91.1	72.0	53.5	34.5	23.7	15.0	14.4	13.8	13.1
-42.5°	89.2	74.1	58.8	43.1	29.0	21.1	14.9	14.3	13.8	13.2	12.6
-45°	54.6	42.4	30.1	23.6	16.7	14.6	14.2	13.6	13.1	12.6	12.0
-47.5°	27.2	22.2	16.6	14.7	14.3	13.9	13.4	13.0	12.5	11.9	11.4
-50°	14.9	14.6	14.3	13.9	13.5	13.1	12.7	12.3	11.8	11.3	11.0
-52.5°	14.0	13.7	13.4	13.1	12.7	12.4	12.0	11.6	11.1	11.0	11.0
-55°	13.0	12.8	12.5	12.2	11.9	11.6	11.2	11.0	11.0	11.0	10.6
-57.5°	12.1	11.9	11.7	11.4	11.1	11.0	11.0	11.0	10.7	10.3	9.9
-60°	11.2	11.0	11.0	11.0	11.0	11.0	10.7	10.3	10.0	9.7	9.3
-62.5°	11.0	11.0	10.9	10.7	10.4	10.2	9.9	9.6	9.3	9.0	8.6
-65°	10.4	10.2	10.0	9.8	9.6	9.4	9.1	8.8	8.6	8.3	8.0
-67.5°	9.4	9.3	9.1	8.9	8.7	8.5	8.3	8.1	8.0	8.0	8.0
-70°	8.5	8.4	8.2	8.1	8.0	8.0	8.0	8.0	8.0	7.8	7.6
-72.5°	8.0	8.0	8.0	8.0	8.0	7.9	7.7	7.5	7.3	7.1	6.8
-75°	7.6	7.5	7.4	7.3	7.2	7.0	6.8	6.5	6.1	5.8	5.4
-77.5°	6.4	6.2	6.1	5.9	5.6	5.4	5.2	5.0	4.8	4.7	4.5
-80°	4.8	4.7	4.6	4.5	4.5	4.4	4.3	4.2	4.1	3.9	3.8
-82.5°	3.8	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1
-85°	2.8	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1	1.9	1.8
-87.5°	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7
-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°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.3
85°	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.8	0.8	0.7	0.6
82.5°	3.0	2.9	2.6	2.4	2.2	2.0	1.8	1.5	1.3	1.0	0.9
80°	3.7	3.6	3.4	3.3	3.1	3.0	2.7	2.4	2.0	1.7	1.4
77.5°	4.4	4.2	4.0	3.9	3.7	3.5	3.3	3.1	2.8	2.4	2.0
75°	5.1	4.8	4.6	4.4	4.2	4.0	3.7	3.5	3.3	3.0	2.6
72.5°	6.4	5.9	5.4	5.0	4.7	4.5	4.2	3.9	3.6	3.4	3.1
70°	7.3	7.1	6.6	6.1	5.5	4.9	4.6	4.3	4.0	3.7	3.4
67.5°	8.0	7.7	7.4	7.1	6.5	5.8	5.1	4.7	4.4	4.0	3.6
65°	8.0	8.0	8.0	7.6	7.2	6.8	6.0	5.2	4.7	4.3	3.9
62.5°	8.3	8.0	8.0	8.0	7.7	7.3	6.8	6.0	5.1	4.6	4.2
60°	8.9	8.5	8.1	8.0	8.0	7.8	7.3	6.8	5.8	4.9	4.5
57.5°	9.5	9.1	8.6	8.2	8.0	8.0	7.7	7.2	6.5	5.5	4.7
55°	10.1	9.7	9.2	8.7	8.2	8.0	8.0	7.6	7.1	6.1	5.0
52.5°	10.7	10.2	9.7	9.2	8.6	8.1	8.0	8.0	7.4	6.6	5.4
50°	11.0	10.8	10.2	9.7	9.1	8.5	8.0	8.0	7.7	7.1	5.9
47.5°	11.0	11.0	10.7	10.1	9.5	8.9	8.3	8.0	8.0	7.3	6.4
45°	11.4	11.0	11.0	10.6	9.9	9.3	8.6	8.0	8.0	7.6	6.8
42.5°	11.9	11.3	11.0	11.0	10.3	9.7	9.0	8.3	8.0	7.8	7.1
40°	12.5	11.8	11.1	11.0	10.7	10.0	9.3	8.6	8.0	8.0	7.3
37.5°	13.0	12.3	11.6	11.0	11.0	10.3	9.6	8.8	8.1	8.0	7.5
35°	13.4	12.7	12.0	11.2	11.0	10.7	9.9	9.1	8.3	8.0	7.7
32.5°	13.9	13.1	12.4	11.6	11.0	11.0	10.2	9.4	8.5	8.0	7.9
30°	14.3	13.5	12.7	11.9	11.1	11.0	10.4	9.6	8.7	8.0	8.0
27.5°	14.7	13.9	13.1	12.2	11.4	11.0	10.7	9.8	8.9	8.1	8.0
25°	16.6	14.3	13.4	12.5	11.7	11.0	10.9	10.0	9.1	8.2	8.0
22.5°	22.2	14.6	13.7	12.8	11.9	11.0	11.0	10.2	9.3	8.4	8.0
20°	27.2	14.9	14.0	13.0	12.1	11.2	11.0	10.4	9.4	8.5	8.0
17.5°	32.7	17.0	14.2	13.3	12.3	11.4	11.0	10.5	9.6	8.6	8.0
15°	41.6	20.6	14.4	13.5	12.5	11.6	11.0	10.6	9.7	8.7	8.0
12.5°	49.3	23.8	14.6	13.6	12.7	11.7	11.0	10.7	9.8	8.8	8.0
10°	55.6	26.4	14.7	13.8	12.8	11.8	11.0	10.8	9.9	8.9	8.0
7.5°	60.6	28.4	14.8	13.9	12.9	11.9	11.0	10.9	9.9	8.9	8.0
5°	64.1	29.8	14.9	13.9	12.9	11.9	11.0	11.0	10.0	9.0	8.0
2.5°	66.3	30.7	15.0	14.0	13.0	12.0	11.0	11.0	10.0	9.0	8.0
0°	67.0	31.0	15.0	14.0	13.0	12.0	11.0	11.0	10.0	9.0	8.0
-2.5°	66.3	30.7	15.0	14.0	13.0	12.0	11.0	11.0	10.0	9.0	8.0
-5°	64.1	29.8	14.9	13.9	12.9	11.9	11.0	11.0	10.0	9.0	8.0
-7.5°	60.6	28.4	14.8	13.9	12.9	11.9	11.0	10.9	9.9	8.9	8.0
-10°	55.6	26.4	14.7	13.8	12.8	11.8	11.0	10.8	9.9	8.9	8.0
-12.5°	49.3	23.8	14.6	13.6	12.7	11.7	11.0	10.7	9.8	8.8	8.0
-15°	41.6	20.6	14.4	13.5	12.5	11.6	11.0	10.6	9.7	8.7	8.0
-17.5°	32.7	17.0	14.2	13.3	12.3	11.4	11.0	10.5	9.6	8.6	8.0
-20°	27.2	14.9	14.0	13.0	12.1	11.2	11.0	10.4	9.4	8.5	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):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	22.2	14.6	13.7	12.8	11.9	11.0	11.0	10.2	9.3	8.4	8.0
-25°	16.6	14.3	13.4	12.5	11.7	11.0	10.9	10.0	9.1	8.2	8.0
-27.5°	14.7	13.9	13.1	12.2	11.4	11.0	10.7	9.8	8.9	8.1	8.0
-30°	14.3	13.5	12.7	11.9	11.1	11.0	10.4	9.6	8.7	8.0	8.0
-32.5°	13.9	13.1	12.4	11.6	11.0	11.0	10.2	9.4	8.5	8.0	7.9
-35°	13.4	12.7	12.0	11.2	11.0	10.7	9.9	9.1	8.3	8.0	7.7
-37.5°	13.0	12.3	11.6	11.0	11.0	10.3	9.6	8.8	8.1	8.0	7.5
-40°	12.5	11.8	11.1	11.0	10.7	10.0	9.3	8.6	8.0	8.0	7.3
-42.5°	11.9	11.3	11.0	11.0	10.3	9.7	9.0	8.3	8.0	7.8	7.1
-45°	11.4	11.0	11.0	10.6	9.9	9.3	8.6	8.0	8.0	7.6	6.8
-47.5°	11.0	11.0	10.7	10.1	9.5	8.9	8.3	8.0	8.0	7.3	6.4
-50°	11.0	10.8	10.2	9.7	9.1	8.5	8.0	8.0	7.7	7.1	5.9
-52.5°	10.7	10.2	9.7	9.2	8.6	8.1	8.0	8.0	7.4	6.6	5.4
-55°	10.1	9.7	9.2	8.7	8.2	8.0	8.0	7.6	7.1	6.1	5.0
-57.5°	9.5	9.1	8.6	8.2	8.0	8.0	7.7	7.2	6.5	5.5	4.7
-60°	8.9	8.5	8.1	8.0	8.0	7.8	7.3	6.8	5.8	4.9	4.5
-62.5°	8.3	8.0	8.0	8.0	7.7	7.3	6.8	6.0	5.1	4.6	4.2
-65°	8.0	8.0	8.0	7.6	7.2	6.8	6.0	5.2	4.7	4.3	3.9
-67.5°	8.0	7.7	7.4	7.1	6.5	5.8	5.1	4.7	4.4	4.0	3.6
-70°	7.3	7.1	6.6	6.1	5.5	4.9	4.6	4.3	4.0	3.7	3.4
-72.5°	6.4	5.9	5.4	5.0	4.7	4.5	4.2	3.9	3.6	3.4	3.1
-75°	5.1	4.8	4.6	4.4	4.2	4.0	3.7	3.5	3.3	3.0	2.6
-77.5°	4.4	4.2	4.0	3.9	3.7	3.5	3.3	3.1	2.8	2.4	2.0
-80°	3.7	3.6	3.4	3.3	3.1	3.0	2.7	2.4	2.0	1.7	1.4
-82.5°	3.0	2.9	2.6	2.4	2.2	2.0	1.8	1.5	1.3	1.0	0.9
-85°	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.8	0.8	0.7	0.6
-87.5°	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	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



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.2	0.2	0.1	0.1	0.0	0.0
85°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
82.5°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
80°	1.1	0.9	0.7	0.5	0.3	0.2	0.0
77.5°	1.6	1.1	0.9	0.6	0.4	0.2	0.0
75°	2.1	1.6	1.1	0.8	0.5	0.3	0.0
72.5°	2.6	2.0	1.4	0.9	0.6	0.3	0.0
70°	3.0	2.4	1.7	1.0	0.7	0.3	0.0
67.5°	3.3	2.8	2.0	1.3	0.8	0.4	0.0
65°	3.5	3.1	2.4	1.5	0.8	0.4	0.0
62.5°	3.7	3.3	2.7	1.8	0.9	0.5	0.0
60°	4.0	3.5	3.0	2.0	1.0	0.5	0.0
57.5°	4.2	3.7	3.1	2.2	1.1	0.5	0.0
55°	4.4	3.9	3.3	2.4	1.3	0.6	0.0
52.5°	4.6	4.0	3.4	2.6	1.4	0.6	0.0
50°	4.8	4.2	3.6	2.9	1.6	0.6	0.0
47.5°	5.1	4.4	3.7	3.0	1.7	0.7	0.0
45°	5.4	4.5	3.8	3.1	1.8	0.7	0.0
42.5°	5.8	4.7	3.9	3.2	1.9	0.7	0.0
40°	6.1	4.8	4.1	3.3	2.1	0.8	0.0
37.5°	6.5	5.0	4.2	3.4	2.2	0.8	0.0
35°	6.8	5.2	4.3	3.5	2.3	0.8	0.0
32.5°	7.0	5.4	4.4	3.5	2.4	0.8	0.0
30°	7.2	5.6	4.5	3.6	2.5	0.9	0.0
27.5°	7.3	5.9	4.5	3.7	2.5	0.9	0.0
25°	7.4	6.1	4.6	3.7	2.6	0.9	0.0
22.5°	7.5	6.2	4.7	3.8	2.7	0.9	0.0
20°	7.6	6.4	4.8	3.8	2.8	0.9	0.0
17.5°	7.7	6.5	4.8	3.9	2.8	1.0	0.0
15°	7.8	6.7	4.9	3.9	2.9	1.0	0.0
12.5°	7.9	6.8	4.9	3.9	2.9	1.0	0.0
10°	7.9	6.8	4.9	4.0	2.9	1.0	0.0
7.5°	7.9	6.9	5.0	4.0	3.0	1.0	0.0
5°	8.0	7.0	5.0	4.0	3.0	1.0	0.0
2.5°	8.0	7.0	5.0	4.0	3.0	1.0	0.0
0°	8.0	7.0	5.0	4.0	3.0	1.0	0.0
-2.5°	8.0	7.0	5.0	4.0	3.0	1.0	0.0
-5°	8.0	7.0	5.0	4.0	3.0	1.0	0.0
-7.5°	7.9	6.9	5.0	4.0	3.0	1.0	0.0
-10°	7.9	6.8	4.9	4.0	2.9	1.0	0.0
-12.5°	7.9	6.8	4.9	3.9	2.9	1.0	0.0
-15°	7.8	6.7	4.9	3.9	2.9	1.0	0.0
-17.5°	7.7	6.5	4.8	3.9	2.8	1.0	0.0
-20°	7.6	6.4	4.8	3.8	2.8	0.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	7.5	6.2	4.7	3.8	2.7	0.9	0.0
-25°	7.4	6.1	4.6	3.7	2.6	0.9	0.0
-27.5°	7.3	5.9	4.5	3.7	2.5	0.9	0.0
-30°	7.2	5.6	4.5	3.6	2.5	0.9	0.0
-32.5°	7.0	5.4	4.4	3.5	2.4	0.8	0.0
-35°	6.8	5.2	4.3	3.5	2.3	0.8	0.0
-37.5°	6.5	5.0	4.2	3.4	2.2	0.8	0.0
-40°	6.1	4.8	4.1	3.3	2.1	0.8	0.0
-42.5°	5.8	4.7	3.9	3.2	1.9	0.7	0.0
-45°	5.4	4.5	3.8	3.1	1.8	0.7	0.0
-47.5°	5.1	4.4	3.7	3.0	1.7	0.7	0.0
-50°	4.8	4.2	3.6	2.9	1.6	0.6	0.0
-52.5°	4.6	4.0	3.4	2.6	1.4	0.6	0.0
-55°	4.4	3.9	3.3	2.4	1.3	0.6	0.0
-57.5°	4.2	3.7	3.1	2.2	1.1	0.5	0.0
-60°	4.0	3.5	3.0	2.0	1.0	0.5	0.0
-62.5°	3.7	3.3	2.7	1.8	0.9	0.5	0.0
-65°	3.5	3.1	2.4	1.5	0.8	0.4	0.0
-67.5°	3.3	2.8	2.0	1.3	0.8	0.4	0.0
-70°	3.0	2.4	1.7	1.0	0.7	0.3	0.0
-72.5°	2.6	2.0	1.4	0.9	0.6	0.3	0.0
-75°	2.1	1.6	1.1	0.8	0.5	0.3	0.0
-77.5°	1.6	1.1	0.9	0.6	0.4	0.2	0.0
-80°	1.1	0.9	0.7	0.5	0.3	0.2	0.0
-82.5°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
-85°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
-87.5°	0.3	0.2	0.2	0.1	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)