

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: P29411 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29411 (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-F-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

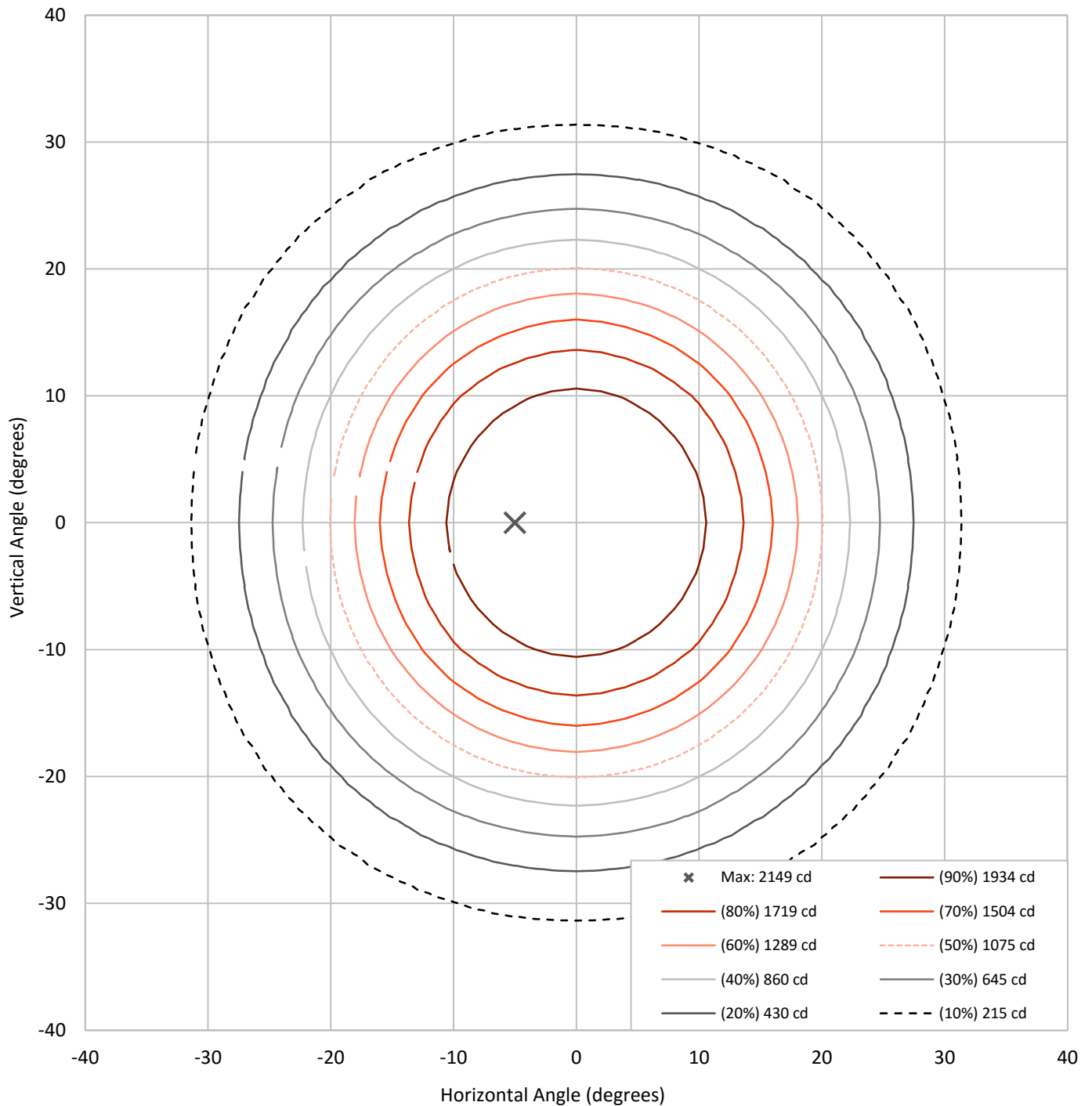
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1039.4 lumens	Max Intensity:	2149 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x 0°V
Efficacy:	103.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.2°H x 39°V	Field Angle (10%):	62.7°H x 62.1°V
Beam Lumens:	641.5 lumens	Field Lumens:	928 lumens
Beam Efficiency:	61.7%	Field Efficiency:	89.3%
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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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

Iso-Candela Plot





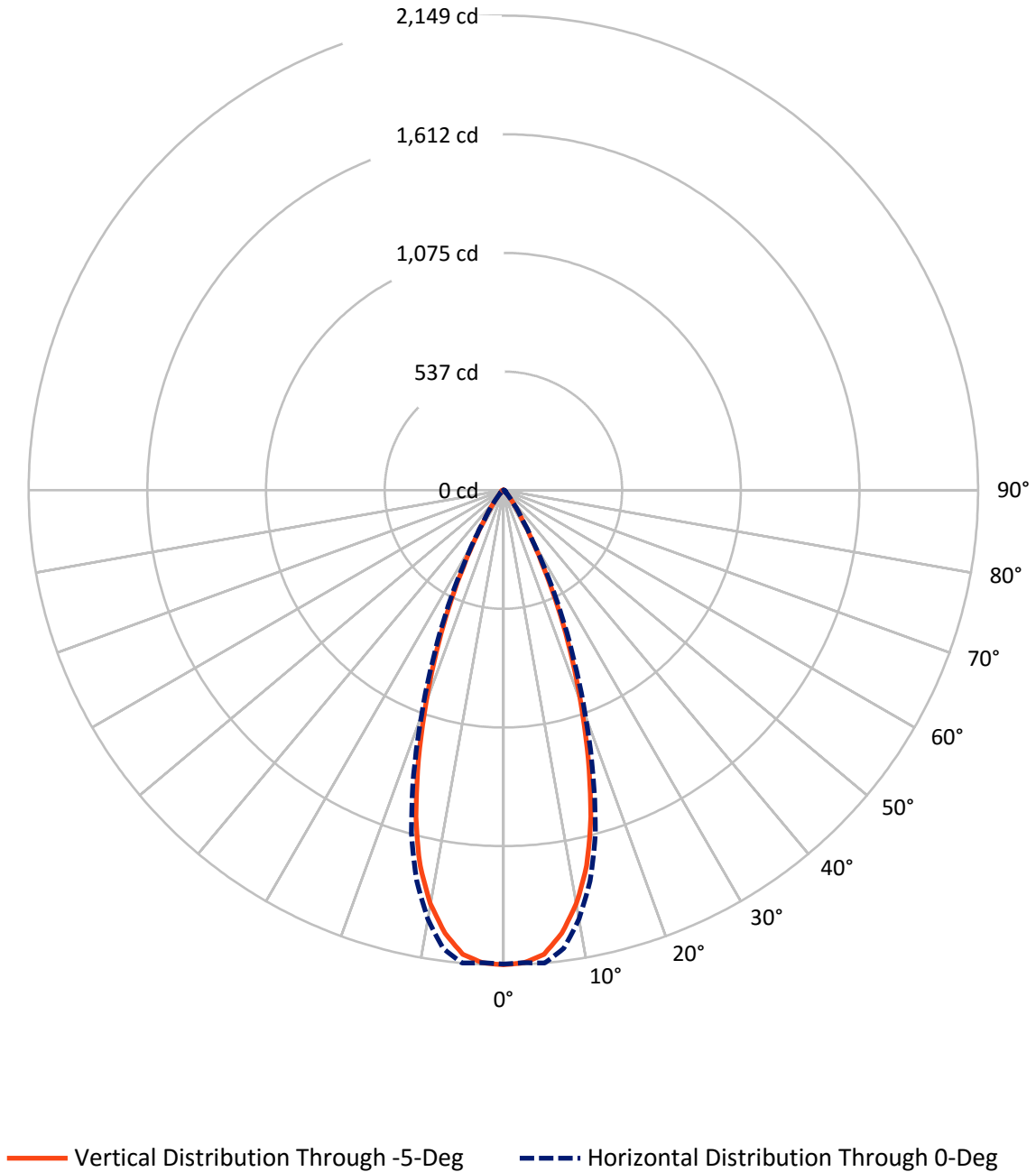
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Lumen Table

90	0.0	0.1	0.3	0.4	0.5	0.4	0.3	0.1	0.0										
80	0.0	0.1	0.3	0.4	0.5	0.4	0.3	0.1	0.0										
70	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1			
60		0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1				
50	0.1	0.1	0.1	0.2	0.3	0.4	0.6	0.8	0.8	0.6	0.4	0.3	0.2	0.1	0.1	0.1			
40		0.1	0.2	0.3	0.5	1.1	2.4	3.7	3.7	2.4	1.1	0.5	0.3	0.2	0.1				
30	0.1	0.1	0.2	0.3	1.0	3.7	10.5	17.8	17.8	10.5	3.7	1.0	0.3	0.2	0.1	0.1			
20		0.1	0.2	0.4	2.0	9.9	28.5	44.8	44.8	28.5	9.9	2.0	0.4	0.2	0.1				
10	0.1	0.1	0.2	0.5	3.1	16.4	43.5	61.9	61.9	43.5	16.4	3.1	0.5	0.2	0.1	0.1			
0		0.1	0.2	0.5	3.1	16.4	43.5	61.9	61.9	43.5	16.4	3.1	0.5	0.2	0.1				
-10	0.1	0.1	0.2	0.4	2.0	9.9	28.5	44.8	44.8	28.5	9.9	2.0	0.4	0.2	0.1	0.1			
-20		0.1	0.2	0.3	1.0	3.7	10.5	17.8	17.8	10.5	3.7	1.0	0.3	0.2	0.1				
-30	0.1	0.1	0.2	0.3	0.5	1.1	2.4	3.7	3.7	2.4	1.1	0.5	0.3	0.2	0.1	0.1			
-40		0.1	0.1	0.2	0.3	0.4	0.6	0.8	0.8	0.6	0.4	0.3	0.2	0.1	0.1				
-50	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.1			
-60		0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.1				
-70	0.0	0.1	0.3	0.4	0.5	0.4	0.3	0.1	0.0						0.0				
-80		0.1	0.3	0.4	0.5	0.4	0.3	0.1	0.0										
-90	0.0	0.1	0.3	0.4	0.5	0.4	0.3	0.1	0.0						0.0				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

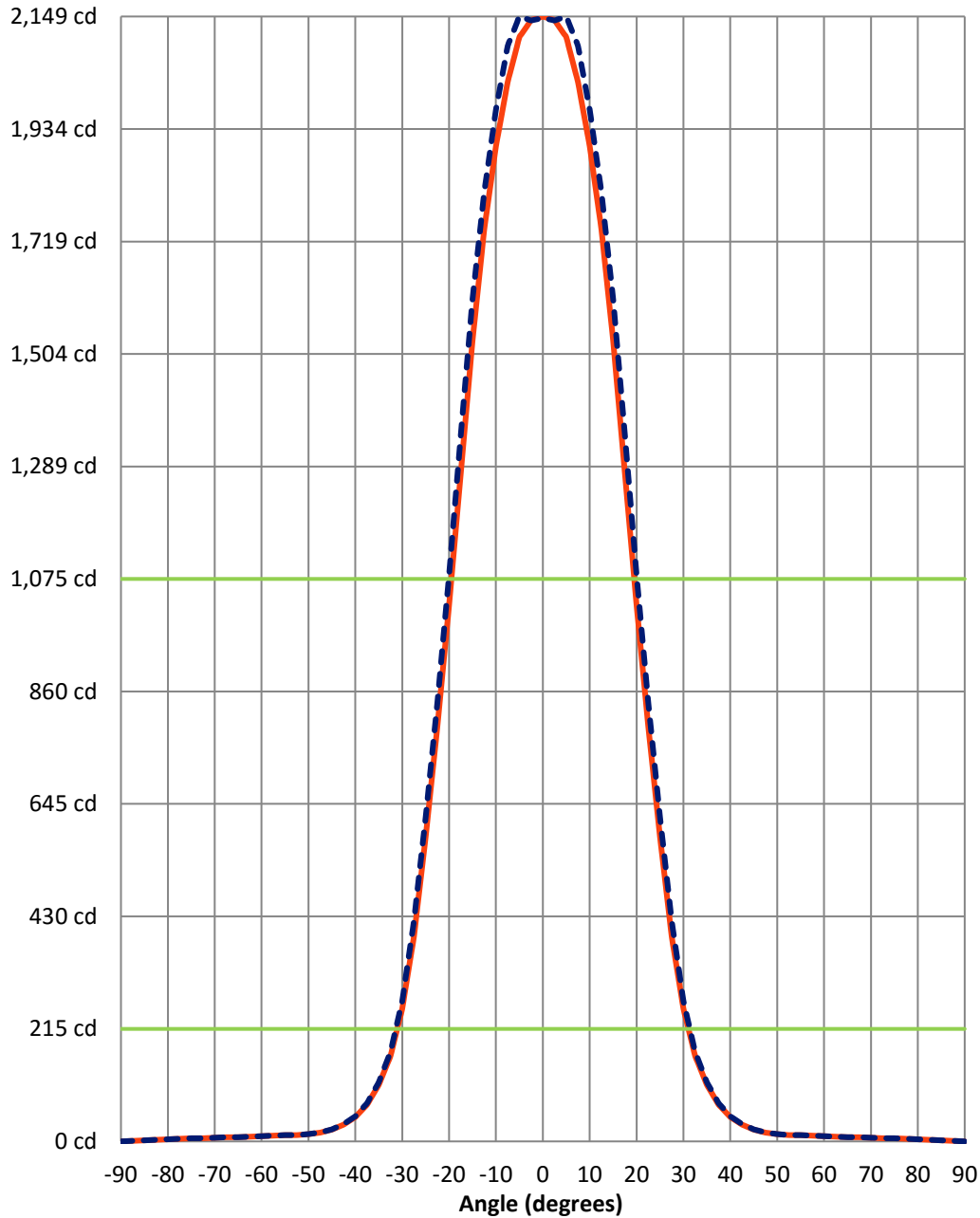
REPORT NUMBER: P29411 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 40.2°
 V Angle: 39°
 Lumens: 641.5
 Efficiency: 61.7%

Field:
 H Angle: 62.7°
 V Angle: 62.1°
 Lumens: 928
 Efficiency: 89.3%

Spill:
 Lumens: 111.4
 Efficiency: 10.7%

— Vertical Distribution through -5-Deg
 - - Horizontal Distribution through 0-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	1.1	1.3
80°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
77.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
75°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5
72.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
70°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.4	2.7	3.0	3.3
67.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.7
65°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
62.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.5
60°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	3.9	4.4	4.9
57.5°	0.0	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.2	4.7	5.2
55°	0.0	0.6	1.1	1.7	2.3	2.9	3.4	4.0	4.5	5.1	5.6
52.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
50°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.5	5.1	5.7	6.0
47.5°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.7	5.3	6.0	6.0
45°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.0	6.0
42.5°	0.0	0.7	1.5	2.2	2.9	3.7	4.4	5.1	5.8	6.0	6.3
40°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.3	6.0	6.0	6.6
37.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.7	5.5	6.0	6.1	6.8
35°	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.7	6.0	6.3	7.1
32.5°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.9	6.0	6.5	7.4
30°	0.0	0.9	1.7	2.6	3.5	4.3	5.2	6.0	6.0	6.7	7.6
27.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.0	6.1	6.9	7.8
25°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.0	6.2	7.1	8.0
22.5°	0.0	0.9	1.8	2.8	3.7	4.6	5.5	6.0	6.4	7.3	8.0
20°	0.0	0.9	1.9	2.8	3.8	4.7	5.6	6.0	6.5	7.4	8.0
17.5°	0.0	1.0	1.9	2.9	3.8	4.8	5.7	6.0	6.6	7.6	8.0
15°	0.0	1.0	1.9	2.9	3.9	4.8	5.8	6.0	6.7	7.7	8.0
12.5°	0.0	1.0	2.0	2.9	3.9	4.9	5.9	6.0	6.8	7.8	8.0
10°	0.0	1.0	2.0	3.0	3.9	4.9	5.9	6.0	6.9	7.9	8.0
7.5°	0.0	1.0	2.0	3.0	4.0	5.0	5.9	6.0	6.9	7.9	8.0
5°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	6.0	7.0	8.0	8.0
2.5°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	6.0	7.0	8.0	8.0
0°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	6.0	7.0	8.0	8.0
-2.5°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	6.0	7.0	8.0	8.0
-5°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	6.0	7.0	8.0	8.0
-7.5°	0.0	1.0	2.0	3.0	4.0	5.0	5.9	6.0	6.9	7.9	8.0
-10°	0.0	1.0	2.0	3.0	3.9	4.9	5.9	6.0	6.9	7.9	8.0
-12.5°	0.0	1.0	2.0	2.9	3.9	4.9	5.9	6.0	6.8	7.8	8.0
-15°	0.0	1.0	1.9	2.9	3.9	4.8	5.8	6.0	6.7	7.7	8.0
-17.5°	0.0	1.0	1.9	2.9	3.8	4.8	5.7	6.0	6.6	7.6	8.0
-20°	0.0	0.9	1.9	2.8	3.8	4.7	5.6	6.0	6.5	7.4	8.0



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-F-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	1.8	2.8	3.7	4.6	5.5	6.0	6.4	7.3	8.0
-25°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.0	6.2	7.1	8.0
-27.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.0	6.1	6.9	7.8
-30°	0.0	0.9	1.7	2.6	3.5	4.3	5.2	6.0	6.0	6.7	7.6
-32.5°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.9	6.0	6.5	7.4
-35°	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.7	6.0	6.3	7.1
-37.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.7	5.5	6.0	6.1	6.8
-40°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.3	6.0	6.0	6.6
-42.5°	0.0	0.7	1.5	2.2	2.9	3.7	4.4	5.1	5.8	6.0	6.3
-45°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.0	6.0
-47.5°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.7	5.3	6.0	6.0
-50°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.5	5.1	5.7	6.0
-52.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
-55°	0.0	0.6	1.1	1.7	2.3	2.9	3.4	4.0	4.5	5.1	5.6
-57.5°	0.0	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.2	4.7	5.2
-60°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	3.9	4.4	4.9
-62.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.5
-65°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-67.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.7
-70°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.4	2.7	3.0	3.3
-72.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
-75°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5
-77.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
-80°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
-82.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.3
-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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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	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6
82.5°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
80°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.2
77.5°	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.5	3.7	3.8	4.0
75°	2.7	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.7
72.5°	3.2	3.5	3.7	4.0	4.2	4.5	4.7	4.9	5.1	5.3	5.5
70°	3.6	3.9	4.2	4.5	4.8	5.1	5.3	5.6	5.8	6.0	6.0
67.5°	4.1	4.4	4.7	5.1	5.4	5.7	6.0	6.0	6.0	6.0	6.1
65°	4.5	4.9	5.2	5.6	6.0	6.0	6.0	6.0	6.3	6.6	6.8
62.5°	4.9	5.3	5.7	6.0	6.0	6.0	6.3	6.6	7.0	7.3	7.6
60°	5.3	5.8	6.0	6.0	6.1	6.5	6.9	7.3	7.7	8.0	8.0
57.5°	5.7	6.0	6.0	6.2	6.6	7.1	7.5	7.9	8.0	8.0	8.1
55°	6.0	6.0	6.2	6.7	7.2	7.7	8.0	8.0	8.0	8.4	8.8
52.5°	6.0	6.1	6.6	7.2	7.7	8.0	8.0	8.2	8.7	9.1	9.6
50°	6.0	6.5	7.1	7.7	8.0	8.0	8.3	8.8	9.3	9.8	10.3
47.5°	6.3	6.9	7.5	8.0	8.0	8.3	8.9	9.4	9.9	10.5	11.0
45°	6.6	7.3	7.9	8.0	8.2	8.8	9.4	10.0	10.6	11.1	11.6
42.5°	7.0	7.7	8.0	8.0	8.7	9.3	9.9	10.6	11.2	11.8	12.0
40°	7.3	8.0	8.0	8.4	9.1	9.8	10.5	11.1	11.8	12.0	12.0
37.5°	7.6	8.0	8.1	8.8	9.6	10.3	11.0	11.6	12.0	12.0	13.2
35°	7.9	8.0	8.4	9.2	10.0	10.7	11.4	12.0	12.0	13.1	14.6
32.5°	8.0	8.0	8.8	9.6	10.4	11.1	11.9	12.0	12.8	14.3	16.4
30°	8.0	8.3	9.1	9.9	10.7	11.5	12.0	12.2	13.7	15.9	19.2
27.5°	8.0	8.5	9.4	10.2	11.1	11.9	12.0	13.1	15.0	17.7	22.3
25°	8.0	8.8	9.7	10.5	11.4	12.0	12.2	13.9	16.3	20.5	26.9
22.5°	8.1	9.0	9.9	10.8	11.7	12.0	12.9	14.9	18.0	23.2	31.5
20°	8.3	9.2	10.1	11.0	12.0	12.0	13.5	16.0	20.2	27.2	37.2
17.5°	8.5	9.4	10.3	11.3	12.0	12.2	14.1	16.9	22.2	30.7	43.0
15°	8.6	9.6	10.5	11.5	12.0	12.7	14.9	18.4	24.6	34.4	48.2
12.5°	8.7	9.7	10.7	11.6	12.0	13.1	15.5	19.8	27.2	38.4	55.6
10°	8.8	9.8	10.8	11.8	12.0	13.4	16.0	20.9	29.2	41.8	61.8
7.5°	8.9	9.9	10.9	11.9	12.0	13.7	16.5	21.8	30.9	44.5	66.7
5°	9.0	9.9	10.9	11.9	12.0	13.9	16.8	22.5	32.1	46.4	70.2
2.5°	9.0	10.0	11.0	12.0	12.0	14.0	16.9	22.9	32.8	47.6	72.3
0°	9.0	10.0	11.0	12.0	12.0	14.0	17.0	23.0	33.0	48.0	73.0
-2.5°	9.0	10.0	11.0	12.0	12.0	14.0	16.9	22.9	32.8	47.6	72.3
-5°	9.0	9.9	10.9	11.9	12.0	13.9	16.8	22.5	32.1	46.4	70.2
-7.5°	8.9	9.9	10.9	11.9	12.0	13.7	16.5	21.8	30.9	44.5	66.7
-10°	8.8	9.8	10.8	11.8	12.0	13.4	16.0	20.9	29.2	41.8	61.8
-12.5°	8.7	9.7	10.7	11.6	12.0	13.1	15.5	19.8	27.2	38.4	55.6
-15°	8.6	9.6	10.5	11.5	12.0	12.7	14.9	18.4	24.6	34.4	48.2
-17.5°	8.5	9.4	10.3	11.3	12.0	12.2	14.1	16.9	22.2	30.7	43.0
-20°	8.3	9.2	10.1	11.0	12.0	12.0	13.5	16.0	20.2	27.2	37.2



REPORT NUMBER: P29411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-F-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°	8.1	9.0	9.9	10.8	11.7	12.0	12.9	14.9	18.0	23.2	31.5
-25°	8.0	8.8	9.7	10.5	11.4	12.0	12.2	13.9	16.3	20.5	26.9
-27.5°	8.0	8.5	9.4	10.2	11.1	11.9	12.0	13.1	15.0	17.7	22.3
-30°	8.0	8.3	9.1	9.9	10.7	11.5	12.0	12.2	13.7	15.9	19.2
-32.5°	8.0	8.0	8.8	9.6	10.4	11.1	11.9	12.0	12.8	14.3	16.4
-35°	7.9	8.0	8.4	9.2	10.0	10.7	11.4	12.0	12.0	13.1	14.6
-37.5°	7.6	8.0	8.1	8.8	9.6	10.3	11.0	11.6	12.0	12.0	13.2
-40°	7.3	8.0	8.0	8.4	9.1	9.8	10.5	11.1	11.8	12.0	12.0
-42.5°	7.0	7.7	8.0	8.0	8.7	9.3	9.9	10.6	11.2	11.8	12.0
-45°	6.6	7.3	7.9	8.0	8.2	8.8	9.4	10.0	10.6	11.1	11.6
-47.5°	6.3	6.9	7.5	8.0	8.0	8.3	8.9	9.4	9.9	10.5	11.0
-50°	6.0	6.5	7.1	7.7	8.0	8.0	8.3	8.8	9.3	9.8	10.3
-52.5°	6.0	6.1	6.6	7.2	7.7	8.0	8.0	8.2	8.7	9.1	9.6
-55°	6.0	6.0	6.2	6.7	7.2	7.7	8.0	8.0	8.0	8.4	8.8
-57.5°	5.7	6.0	6.0	6.2	6.6	7.1	7.5	7.9	8.0	8.0	8.1
-60°	5.3	5.8	6.0	6.0	6.1	6.5	6.9	7.3	7.7	8.0	8.0
-62.5°	4.9	5.3	5.7	6.0	6.0	6.0	6.3	6.6	7.0	7.3	7.6
-65°	4.5	4.9	5.2	5.6	6.0	6.0	6.0	6.0	6.3	6.6	6.8
-67.5°	4.1	4.4	4.7	5.1	5.4	5.7	6.0	6.0	6.0	6.0	6.1
-70°	3.6	3.9	4.2	4.5	4.8	5.1	5.3	5.6	5.8	6.0	6.0
-72.5°	3.2	3.5	3.7	4.0	4.2	4.5	4.7	4.9	5.1	5.3	5.5
-75°	2.7	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.7
-77.5°	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.5	3.7	3.8	4.0
-80°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.2
-82.5°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
-85°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6
-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: P29411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-F-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°	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0
82.5°	2.5	2.5	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
80°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	3.9
77.5°	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9	4.9
75°	4.9	5.0	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9
72.5°	5.7	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
70°	6.0	6.0	6.0	6.1	6.2	6.4	6.5	6.6	6.7	6.8	6.9
67.5°	6.3	6.5	6.7	6.9	7.1	7.3	7.4	7.6	7.7	7.8	7.9
65°	7.1	7.4	7.6	7.8	8.0	8.0	8.0	8.0	8.0	8.0	8.0
62.5°	7.9	8.0	8.0	8.0	8.0	8.1	8.3	8.5	8.6	8.7	8.8
60°	8.0	8.0	8.3	8.5	8.8	9.0	9.2	9.4	9.6	9.7	9.8
57.5°	8.4	8.8	9.1	9.4	9.7	9.9	10.1	10.3	10.5	10.7	10.8
55°	9.2	9.6	9.9	10.2	10.5	10.8	11.0	11.3	11.5	11.6	11.8
52.5°	10.0	10.4	10.7	11.1	11.4	11.7	12.0	12.0	12.0	12.0	12.0
50°	10.7	11.1	11.5	11.9	12.0	12.0	12.0	12.2	12.7	13.1	13.4
47.5°	11.4	11.9	12.0	12.0	12.2	12.9	13.5	14.1	14.9	15.5	16.0
45°	12.0	12.0	12.2	13.1	13.9	14.9	16.0	16.9	18.4	19.8	20.9
42.5°	12.0	12.8	13.7	15.0	16.3	18.0	20.2	22.2	24.6	27.2	29.2
40°	13.1	14.3	15.9	17.7	20.5	23.2	27.2	30.7	34.4	38.4	41.8
37.5°	14.6	16.4	19.2	22.3	26.9	31.5	37.2	43.0	48.2	55.6	61.8
35°	16.6	19.9	23.7	29.4	35.6	43.1	51.3	61.7	71.0	82.7	93.4
32.5°	19.9	24.4	30.7	38.6	47.1	59.9	72.2	89.8	105.8	122.9	139.9
30°	23.7	30.7	39.5	49.9	65.1	83.2	104.5	128.9	154.2	179.7	210.8
27.5°	29.4	38.6	49.9	66.9	89.1	113.8	146.9	181.7	227.6	267.8	313.3
25°	35.6	47.1	65.1	89.1	118.2	156.1	205.6	260.6	326.2	401.6	472.7
22.5°	43.1	59.9	83.2	113.8	156.1	213.7	280.8	370.6	471.3	572.0	661.4
20°	51.3	72.2	104.5	146.9	205.6	280.8	385.7	510.7	635.3	754.9	860.6
17.5°	61.7	89.8	128.9	181.7	260.6	370.6	510.7	658.1	803.4	946.2	1074.4
15°	71.0	105.8	154.2	227.6	326.2	471.3	635.3	803.4	975.6	1142.6	1299.9
12.5°	82.7	122.9	179.7	267.8	401.6	572.0	754.9	946.2	1142.6	1338.4	1513.2
10°	93.4	139.9	210.8	313.3	472.7	661.4	860.6	1074.4	1299.9	1513.2	1688.6
7.5°	101.9	153.3	235.5	357.2	535.5	736.8	954.5	1189.7	1432.1	1649.4	1814.6
5°	108.0	163.1	253.4	391.1	581.5	792.4	1024.4	1276.9	1529.7	1742.2	1901.2
2.5°	111.8	169.0	264.3	413.5	609.5	826.5	1067.4	1331.4	1588.8	1795.9	1953.0
0°	113.0	171.0	268.0	421.0	619.0	838.0	1082.0	1350.0	1609.0	1813.0	1971.0
-2.5°	111.8	169.0	264.3	413.5	609.5	826.5	1067.4	1331.4	1588.8	1795.9	1953.0
-5°	108.0	163.1	253.4	391.1	581.5	792.4	1024.4	1276.9	1529.7	1742.2	1901.2
-7.5°	101.9	153.3	235.5	357.2	535.5	736.8	954.5	1189.7	1432.1	1649.4	1814.6
-10°	93.4	139.9	210.8	313.3	472.7	661.4	860.6	1074.4	1299.9	1513.2	1688.6
-12.5°	82.7	122.9	179.7	267.8	401.6	572.0	754.9	946.2	1142.6	1338.4	1513.2
-15°	71.0	105.8	154.2	227.6	326.2	471.3	635.3	803.4	975.6	1142.6	1299.9
-17.5°	61.7	89.8	128.9	181.7	260.6	370.6	510.7	658.1	803.4	946.2	1074.4
-20°	51.3	72.2	104.5	146.9	205.6	280.8	385.7	510.7	635.3	754.9	860.6



REPORT NUMBER: P29411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	43.1	59.9	83.2	113.8	156.1	213.7	280.8	370.6	471.3	572.0	661.4
-25°	35.6	47.1	65.1	89.1	118.2	156.1	205.6	260.6	326.2	401.6	472.7
-27.5°	29.4	38.6	49.9	66.9	89.1	113.8	146.9	181.7	227.6	267.8	313.3
-30°	23.7	30.7	39.5	49.9	65.1	83.2	104.5	128.9	154.2	179.7	210.8
-32.5°	19.9	24.4	30.7	38.6	47.1	59.9	72.2	89.8	105.8	122.9	139.9
-35°	16.6	19.9	23.7	29.4	35.6	43.1	51.3	61.7	71.0	82.7	93.4
-37.5°	14.6	16.4	19.2	22.3	26.9	31.5	37.2	43.0	48.2	55.6	61.8
-40°	13.1	14.3	15.9	17.7	20.5	23.2	27.2	30.7	34.4	38.4	41.8
-42.5°	12.0	12.8	13.7	15.0	16.3	18.0	20.2	22.2	24.6	27.2	29.2
-45°	12.0	12.0	12.2	13.1	13.9	14.9	16.0	16.9	18.4	19.8	20.9
-47.5°	11.4	11.9	12.0	12.0	12.2	12.9	13.5	14.1	14.9	15.5	16.0
-50°	10.7	11.1	11.5	11.9	12.0	12.0	12.0	12.2	12.7	13.1	13.4
-52.5°	10.0	10.4	10.7	11.1	11.4	11.7	12.0	12.0	12.0	12.0	12.0
-55°	9.2	9.6	9.9	10.2	10.5	10.8	11.0	11.3	11.5	11.6	11.8
-57.5°	8.4	8.8	9.1	9.4	9.7	9.9	10.1	10.3	10.5	10.7	10.8
-60°	8.0	8.0	8.3	8.5	8.8	9.0	9.2	9.4	9.6	9.7	9.8
-62.5°	7.9	8.0	8.0	8.0	8.0	8.1	8.3	8.5	8.6	8.7	8.8
-65°	7.1	7.4	7.6	7.8	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-67.5°	6.3	6.5	6.7	6.9	7.1	7.3	7.4	7.6	7.7	7.8	7.9
-70°	6.0	6.0	6.0	6.1	6.2	6.4	6.5	6.6	6.7	6.8	6.9
-72.5°	5.7	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-75°	4.9	5.0	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9
-77.5°	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9	4.9
-80°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	3.9
-82.5°	2.5	2.5	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
-85°	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0
-87.5°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0
-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: P29411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-F-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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
80°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8
77.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.8
75°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.7
72.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
70°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.7	6.6
67.5°	7.9	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.8	7.7	7.6
65°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
62.5°	8.9	9.0	9.0	9.0	9.0	9.0	8.9	8.8	8.7	8.6	8.5
60°	9.9	9.9	10.0	10.0	10.0	9.9	9.9	9.8	9.7	9.6	9.4
57.5°	10.9	10.9	11.0	11.0	11.0	10.9	10.9	10.8	10.7	10.5	10.3
55°	11.9	11.9	12.0	12.0	12.0	11.9	11.9	11.8	11.6	11.5	11.3
52.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
50°	13.7	13.9	14.0	14.0	14.0	13.9	13.7	13.4	13.1	12.7	12.2
47.5°	16.5	16.8	16.9	17.0	16.9	16.8	16.5	16.0	15.5	14.9	14.1
45°	21.8	22.5	22.9	23.0	22.9	22.5	21.8	20.9	19.8	18.4	16.9
42.5°	30.9	32.1	32.8	33.0	32.8	32.1	30.9	29.2	27.2	24.6	22.2
40°	44.5	46.4	47.6	48.0	47.6	46.4	44.5	41.8	38.4	34.4	30.7
37.5°	66.7	70.2	72.3	73.0	72.3	70.2	66.7	61.8	55.6	48.2	43.0
35°	101.9	108.0	111.8	113.0	111.8	108.0	101.9	93.4	82.7	71.0	61.7
32.5°	153.3	163.1	169.0	171.0	169.0	163.1	153.3	139.9	122.9	105.8	89.8
30°	235.5	253.4	264.3	268.0	264.3	253.4	235.5	210.8	179.7	154.2	128.9
27.5°	357.2	391.1	413.5	421.0	413.5	391.1	357.2	313.3	267.8	227.6	181.7
25°	535.5	581.5	609.5	619.0	609.5	581.5	535.5	472.7	401.6	326.2	260.6
22.5°	736.8	792.4	826.5	838.0	826.5	792.4	736.8	661.4	572.0	471.3	370.6
20°	954.5	1024.4	1067.4	1082.0	1067.4	1024.4	954.5	860.6	754.9	635.3	510.7
17.5°	1189.7	1276.9	1331.4	1350.0	1331.4	1276.9	1189.7	1074.4	946.2	803.4	658.1
15°	1432.1	1529.7	1588.8	1609.0	1588.8	1529.7	1432.1	1299.9	1142.6	975.6	803.4
12.5°	1649.4	1742.2	1795.9	1813.0	1795.9	1742.2	1649.4	1513.2	1338.4	1142.6	946.2
10°	1814.6	1901.2	1953.0	1971.0	1953.0	1901.2	1814.6	1688.6	1513.2	1299.9	1074.4
7.5°	1936.1	2023.7	2076.8	2092.5	2076.8	2023.7	1936.1	1814.6	1649.4	1432.1	1189.7
5°	2023.7	2109.4	2141.9	2149.0	2141.9	2109.4	2023.7	1901.2	1742.2	1529.7	1276.9
2.5°	2076.8	2141.9	2147.2	2141.5	2147.2	2141.9	2076.8	1953.0	1795.9	1588.8	1331.4
0°	2092.5	2149.0	2141.5	2146.0	2141.5	2149.0	2092.5	1971.0	1813.0	1609.0	1350.0
-2.5°	2076.8	2141.9	2147.2	2141.5	2147.2	2141.9	2076.8	1953.0	1795.9	1588.8	1331.4
-5°	2023.7	2109.4	2141.9	2149.0	2141.9	2109.4	2023.7	1901.2	1742.2	1529.7	1276.9
-7.5°	1936.1	2023.7	2076.8	2092.5	2076.8	2023.7	1936.1	1814.6	1649.4	1432.1	1189.7
-10°	1814.6	1901.2	1953.0	1971.0	1953.0	1901.2	1814.6	1688.6	1513.2	1299.9	1074.4
-12.5°	1649.4	1742.2	1795.9	1813.0	1795.9	1742.2	1649.4	1513.2	1338.4	1142.6	946.2
-15°	1432.1	1529.7	1588.8	1609.0	1588.8	1529.7	1432.1	1299.9	1142.6	975.6	803.4
-17.5°	1189.7	1276.9	1331.4	1350.0	1331.4	1276.9	1189.7	1074.4	946.2	803.4	658.1
-20°	954.5	1024.4	1067.4	1082.0	1067.4	1024.4	954.5	860.6	754.9	635.3	510.7



REPORT NUMBER: P29411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-F-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°	736.8	792.4	826.5	838.0	826.5	792.4	736.8	661.4	572.0	471.3	370.6
-25°	535.5	581.5	609.5	619.0	609.5	581.5	535.5	472.7	401.6	326.2	260.6
-27.5°	357.2	391.1	413.5	421.0	413.5	391.1	357.2	313.3	267.8	227.6	181.7
-30°	235.5	253.4	264.3	268.0	264.3	253.4	235.5	210.8	179.7	154.2	128.9
-32.5°	153.3	163.1	169.0	171.0	169.0	163.1	153.3	139.9	122.9	105.8	89.8
-35°	101.9	108.0	111.8	113.0	111.8	108.0	101.9	93.4	82.7	71.0	61.7
-37.5°	66.7	70.2	72.3	73.0	72.3	70.2	66.7	61.8	55.6	48.2	43.0
-40°	44.5	46.4	47.6	48.0	47.6	46.4	44.5	41.8	38.4	34.4	30.7
-42.5°	30.9	32.1	32.8	33.0	32.8	32.1	30.9	29.2	27.2	24.6	22.2
-45°	21.8	22.5	22.9	23.0	22.9	22.5	21.8	20.9	19.8	18.4	16.9
-47.5°	16.5	16.8	16.9	17.0	16.9	16.8	16.5	16.0	15.5	14.9	14.1
-50°	13.7	13.9	14.0	14.0	14.0	13.9	13.7	13.4	13.1	12.7	12.2
-52.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
-55°	11.9	11.9	12.0	12.0	12.0	11.9	11.9	11.8	11.6	11.5	11.3
-57.5°	10.9	10.9	11.0	11.0	11.0	10.9	10.9	10.8	10.7	10.5	10.3
-60°	9.9	9.9	10.0	10.0	10.0	9.9	9.9	9.8	9.7	9.6	9.4
-62.5°	8.9	9.0	9.0	9.0	9.0	9.0	8.9	8.8	8.7	8.6	8.5
-65°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-67.5°	7.9	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.8	7.7	7.6
-70°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.7	6.6
-72.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-75°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.7
-77.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.8
-80°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8
-82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
-85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
-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: P29411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-F-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°	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
82.5°	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1
80°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9	2.8
77.5°	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5
75°	5.6	5.5	5.4	5.3	5.2	5.0	4.9	4.7	4.6	4.4	4.2
72.5°	6.0	6.0	6.0	6.0	6.0	5.9	5.7	5.5	5.3	5.1	4.9
70°	6.5	6.4	6.2	6.1	6.0	6.0	6.0	6.0	6.0	5.8	5.6
67.5°	7.4	7.3	7.1	6.9	6.7	6.5	6.3	6.1	6.0	6.0	6.0
65°	8.0	8.0	8.0	7.8	7.6	7.4	7.1	6.8	6.6	6.3	6.0
62.5°	8.3	8.1	8.0	8.0	8.0	8.0	7.9	7.6	7.3	7.0	6.6
60°	9.2	9.0	8.8	8.5	8.3	8.0	8.0	8.0	8.0	7.7	7.3
57.5°	10.1	9.9	9.7	9.4	9.1	8.8	8.4	8.1	8.0	8.0	7.9
55°	11.0	10.8	10.5	10.2	9.9	9.6	9.2	8.8	8.4	8.0	8.0
52.5°	12.0	11.7	11.4	11.1	10.7	10.4	10.0	9.6	9.1	8.7	8.2
50°	12.0	12.0	12.0	11.9	11.5	11.1	10.7	10.3	9.8	9.3	8.8
47.5°	13.5	12.9	12.2	12.0	12.0	11.9	11.4	11.0	10.5	9.9	9.4
45°	16.0	14.9	13.9	13.1	12.2	12.0	12.0	11.6	11.1	10.6	10.0
42.5°	20.2	18.0	16.3	15.0	13.7	12.8	12.0	12.0	11.8	11.2	10.6
40°	27.2	23.2	20.5	17.7	15.9	14.3	13.1	12.0	12.0	11.8	11.1
37.5°	37.2	31.5	26.9	22.3	19.2	16.4	14.6	13.2	12.0	12.0	11.6
35°	51.3	43.1	35.6	29.4	23.7	19.9	16.6	14.6	13.1	12.0	12.0
32.5°	72.2	59.9	47.1	38.6	30.7	24.4	19.9	16.4	14.3	12.8	12.0
30°	104.5	83.2	65.1	49.9	39.5	30.7	23.7	19.2	15.9	13.7	12.2
27.5°	146.9	113.8	89.1	66.9	49.9	38.6	29.4	22.3	17.7	15.0	13.1
25°	205.6	156.1	118.2	89.1	65.1	47.1	35.6	26.9	20.5	16.3	13.9
22.5°	280.8	213.7	156.1	113.8	83.2	59.9	43.1	31.5	23.2	18.0	14.9
20°	385.7	280.8	205.6	146.9	104.5	72.2	51.3	37.2	27.2	20.2	16.0
17.5°	510.7	370.6	260.6	181.7	128.9	89.8	61.7	43.0	30.7	22.2	16.9
15°	635.3	471.3	326.2	227.6	154.2	105.8	71.0	48.2	34.4	24.6	18.4
12.5°	754.9	572.0	401.6	267.8	179.7	122.9	82.7	55.6	38.4	27.2	19.8
10°	860.6	661.4	472.7	313.3	210.8	139.9	93.4	61.8	41.8	29.2	20.9
7.5°	954.5	736.8	535.5	357.2	235.5	153.3	101.9	66.7	44.5	30.9	21.8
5°	1024.4	792.4	581.5	391.1	253.4	163.1	108.0	70.2	46.4	32.1	22.5
2.5°	1067.4	826.5	609.5	413.5	264.3	169.0	111.8	72.3	47.6	32.8	22.9
0°	1082.0	838.0	619.0	421.0	268.0	171.0	113.0	73.0	48.0	33.0	23.0
-2.5°	1067.4	826.5	609.5	413.5	264.3	169.0	111.8	72.3	47.6	32.8	22.9
-5°	1024.4	792.4	581.5	391.1	253.4	163.1	108.0	70.2	46.4	32.1	22.5
-7.5°	954.5	736.8	535.5	357.2	235.5	153.3	101.9	66.7	44.5	30.9	21.8
-10°	860.6	661.4	472.7	313.3	210.8	139.9	93.4	61.8	41.8	29.2	20.9
-12.5°	754.9	572.0	401.6	267.8	179.7	122.9	82.7	55.6	38.4	27.2	19.8
-15°	635.3	471.3	326.2	227.6	154.2	105.8	71.0	48.2	34.4	24.6	18.4
-17.5°	510.7	370.6	260.6	181.7	128.9	89.8	61.7	43.0	30.7	22.2	16.9
-20°	385.7	280.8	205.6	146.9	104.5	72.2	51.3	37.2	27.2	20.2	16.0



REPORT NUMBER: P29411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	280.8	213.7	156.1	113.8	83.2	59.9	43.1	31.5	23.2	18.0	14.9
-25°	205.6	156.1	118.2	89.1	65.1	47.1	35.6	26.9	20.5	16.3	13.9
-27.5°	146.9	113.8	89.1	66.9	49.9	38.6	29.4	22.3	17.7	15.0	13.1
-30°	104.5	83.2	65.1	49.9	39.5	30.7	23.7	19.2	15.9	13.7	12.2
-32.5°	72.2	59.9	47.1	38.6	30.7	24.4	19.9	16.4	14.3	12.8	12.0
-35°	51.3	43.1	35.6	29.4	23.7	19.9	16.6	14.6	13.1	12.0	12.0
-37.5°	37.2	31.5	26.9	22.3	19.2	16.4	14.6	13.2	12.0	12.0	11.6
-40°	27.2	23.2	20.5	17.7	15.9	14.3	13.1	12.0	12.0	11.8	11.1
-42.5°	20.2	18.0	16.3	15.0	13.7	12.8	12.0	12.0	11.8	11.2	10.6
-45°	16.0	14.9	13.9	13.1	12.2	12.0	12.0	11.6	11.1	10.6	10.0
-47.5°	13.5	12.9	12.2	12.0	12.0	11.9	11.4	11.0	10.5	9.9	9.4
-50°	12.0	12.0	12.0	11.9	11.5	11.1	10.7	10.3	9.8	9.3	8.8
-52.5°	12.0	11.7	11.4	11.1	10.7	10.4	10.0	9.6	9.1	8.7	8.2
-55°	11.0	10.8	10.5	10.2	9.9	9.6	9.2	8.8	8.4	8.0	8.0
-57.5°	10.1	9.9	9.7	9.4	9.1	8.8	8.4	8.1	8.0	8.0	7.9
-60°	9.2	9.0	8.8	8.5	8.3	8.0	8.0	8.0	8.0	8.0	7.7
-62.5°	8.3	8.1	8.0	8.0	8.0	8.0	7.9	7.6	7.3	7.0	6.6
-65°	8.0	8.0	8.0	7.8	7.6	7.4	7.1	6.8	6.6	6.3	6.0
-67.5°	7.4	7.3	7.1	6.9	6.7	6.5	6.3	6.1	6.0	6.0	6.0
-70°	6.5	6.4	6.2	6.1	6.0	6.0	6.0	6.0	6.0	5.8	5.6
-72.5°	6.0	6.0	6.0	6.0	6.0	5.9	5.7	5.5	5.3	5.1	4.9
-75°	5.6	5.5	5.4	5.3	5.2	5.0	4.9	4.7	4.6	4.4	4.2
-77.5°	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5
-80°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9	2.8
-82.5°	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1
-85°	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
-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: P29411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-F-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°	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.6
82.5°	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.1	1.0	0.9
80°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
77.5°	3.4	3.2	3.0	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5
75°	4.0	3.8	3.6	3.4	3.2	3.0	2.7	2.5	2.3	2.0	1.8
72.5°	4.7	4.5	4.2	4.0	3.7	3.5	3.2	2.9	2.6	2.4	2.1
70°	5.3	5.1	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4
67.5°	6.0	5.7	5.4	5.1	4.7	4.4	4.1	3.7	3.4	3.0	2.6
65°	6.0	6.0	6.0	5.6	5.2	4.9	4.5	4.1	3.7	3.3	2.9
62.5°	6.3	6.0	6.0	6.0	5.7	5.3	4.9	4.5	4.1	3.6	3.2
60°	6.9	6.5	6.1	6.0	6.0	5.8	5.3	4.9	4.4	3.9	3.5
57.5°	7.5	7.1	6.6	6.2	6.0	6.0	5.7	5.2	4.7	4.2	3.7
55°	8.0	7.7	7.2	6.7	6.2	6.0	6.0	5.6	5.1	4.5	4.0
52.5°	8.0	8.0	7.7	7.2	6.6	6.1	6.0	6.0	5.4	4.8	4.2
50°	8.3	8.0	8.0	7.7	7.1	6.5	6.0	6.0	5.7	5.1	4.5
47.5°	8.9	8.3	8.0	8.0	7.5	6.9	6.3	6.0	6.0	5.3	4.7
45°	9.4	8.8	8.2	8.0	7.9	7.3	6.6	6.0	6.0	5.6	4.9
42.5°	9.9	9.3	8.7	8.0	8.0	7.7	7.0	6.3	6.0	5.8	5.1
40°	10.5	9.8	9.1	8.4	8.0	8.0	7.3	6.6	6.0	6.0	5.3
37.5°	11.0	10.3	9.6	8.8	8.1	8.0	7.6	6.8	6.1	6.0	5.5
35°	11.4	10.7	10.0	9.2	8.4	8.0	7.9	7.1	6.3	6.0	5.7
32.5°	11.9	11.1	10.4	9.6	8.8	8.0	8.0	7.4	6.5	6.0	5.9
30°	12.0	11.5	10.7	9.9	9.1	8.3	8.0	7.6	6.7	6.0	6.0
27.5°	12.0	11.9	11.1	10.2	9.4	8.5	8.0	7.8	6.9	6.1	6.0
25°	12.2	12.0	11.4	10.5	9.7	8.8	8.0	8.0	7.1	6.2	6.0
22.5°	12.9	12.0	11.7	10.8	9.9	9.0	8.1	8.0	7.3	6.4	6.0
20°	13.5	12.0	12.0	11.0	10.1	9.2	8.3	8.0	7.4	6.5	6.0
17.5°	14.1	12.2	12.0	11.3	10.3	9.4	8.5	8.0	7.6	6.6	6.0
15°	14.9	12.7	12.0	11.5	10.5	9.6	8.6	8.0	7.7	6.7	6.0
12.5°	15.5	13.1	12.0	11.6	10.7	9.7	8.7	8.0	7.8	6.8	6.0
10°	16.0	13.4	12.0	11.8	10.8	9.8	8.8	8.0	7.9	6.9	6.0
7.5°	16.5	13.7	12.0	11.9	10.9	9.9	8.9	8.0	7.9	6.9	6.0
5°	16.8	13.9	12.0	11.9	10.9	9.9	9.0	8.0	8.0	7.0	6.0
2.5°	16.9	14.0	12.0	12.0	11.0	10.0	9.0	8.0	8.0	7.0	6.0
0°	17.0	14.0	12.0	12.0	11.0	10.0	9.0	8.0	8.0	7.0	6.0
-2.5°	16.9	14.0	12.0	12.0	11.0	10.0	9.0	8.0	8.0	7.0	6.0
-5°	16.8	13.9	12.0	11.9	10.9	9.9	9.0	8.0	8.0	7.0	6.0
-7.5°	16.5	13.7	12.0	11.9	10.9	9.9	8.9	8.0	7.9	6.9	6.0
-10°	16.0	13.4	12.0	11.8	10.8	9.8	8.8	8.0	7.9	6.9	6.0
-12.5°	15.5	13.1	12.0	11.6	10.7	9.7	8.7	8.0	7.8	6.8	6.0
-15°	14.9	12.7	12.0	11.5	10.5	9.6	8.6	8.0	7.7	6.7	6.0
-17.5°	14.1	12.2	12.0	11.3	10.3	9.4	8.5	8.0	7.6	6.6	6.0
-20°	13.5	12.0	12.0	11.0	10.1	9.2	8.3	8.0	7.4	6.5	6.0



REPORT NUMBER: P29411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-F-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°	12.9	12.0	11.7	10.8	9.9	9.0	8.1	8.0	7.3	6.4	6.0
-25°	12.2	12.0	11.4	10.5	9.7	8.8	8.0	8.0	7.1	6.2	6.0
-27.5°	12.0	11.9	11.1	10.2	9.4	8.5	8.0	7.8	6.9	6.1	6.0
-30°	12.0	11.5	10.7	9.9	9.1	8.3	8.0	7.6	6.7	6.0	6.0
-32.5°	11.9	11.1	10.4	9.6	8.8	8.0	8.0	7.4	6.5	6.0	5.9
-35°	11.4	10.7	10.0	9.2	8.4	8.0	7.9	7.1	6.3	6.0	5.7
-37.5°	11.0	10.3	9.6	8.8	8.1	8.0	7.6	6.8	6.1	6.0	5.5
-40°	10.5	9.8	9.1	8.4	8.0	8.0	7.3	6.6	6.0	6.0	5.3
-42.5°	9.9	9.3	8.7	8.0	8.0	7.7	7.0	6.3	6.0	5.8	5.1
-45°	9.4	8.8	8.2	8.0	7.9	7.3	6.6	6.0	6.0	5.6	4.9
-47.5°	8.9	8.3	8.0	8.0	7.5	6.9	6.3	6.0	6.0	5.3	4.7
-50°	8.3	8.0	8.0	7.7	7.1	6.5	6.0	6.0	5.7	5.1	4.5
-52.5°	8.0	8.0	7.7	7.2	6.6	6.1	6.0	6.0	5.4	4.8	4.2
-55°	8.0	7.7	7.2	6.7	6.2	6.0	6.0	5.6	5.1	4.5	4.0
-57.5°	7.5	7.1	6.6	6.2	6.0	6.0	5.7	5.2	4.7	4.2	3.7
-60°	6.9	6.5	6.1	6.0	6.0	5.8	5.3	4.9	4.4	3.9	3.5
-62.5°	6.3	6.0	6.0	6.0	5.7	5.3	4.9	4.5	4.1	3.6	3.2
-65°	6.0	6.0	6.0	5.6	5.2	4.9	4.5	4.1	3.7	3.3	2.9
-67.5°	6.0	5.7	5.4	5.1	4.7	4.4	4.1	3.7	3.4	3.0	2.6
-70°	5.3	5.1	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4
-72.5°	4.7	4.5	4.2	4.0	3.7	3.5	3.2	2.9	2.6	2.4	2.1
-75°	4.0	3.8	3.6	3.4	3.2	3.0	2.7	2.5	2.3	2.0	1.8
-77.5°	3.4	3.2	3.0	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5
-80°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
-82.5°	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.1	1.0	0.9
-85°	1.4	1.3	1.2	1.1	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



REPORT NUMBER: P29411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

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°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
77.5°	1.3	1.1	0.9	0.6	0.4	0.2	0.0
75°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
72.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
70°	2.0	1.7	1.4	1.0	0.7	0.3	0.0
67.5°	2.3	1.9	1.5	1.1	0.8	0.4	0.0
65°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
62.5°	2.7	2.3	1.8	1.4	0.9	0.5	0.0
60°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
57.5°	3.2	2.7	2.1	1.6	1.1	0.5	0.0
55°	3.4	2.9	2.3	1.7	1.1	0.6	0.0
52.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
50°	3.8	3.2	2.6	1.9	1.3	0.6	0.0
47.5°	4.0	3.4	2.7	2.0	1.4	0.7	0.0
45°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
42.5°	4.4	3.7	2.9	2.2	1.5	0.7	0.0
40°	4.6	3.8	3.1	2.3	1.5	0.8	0.0
37.5°	4.7	4.0	3.2	2.4	1.6	0.8	0.0
35°	4.9	4.1	3.3	2.5	1.6	0.8	0.0
32.5°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
30°	5.2	4.3	3.5	2.6	1.7	0.9	0.0
27.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
25°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
22.5°	5.5	4.6	3.7	2.8	1.8	0.9	0.0
20°	5.6	4.7	3.8	2.8	1.9	0.9	0.0
17.5°	5.7	4.8	3.8	2.9	1.9	1.0	0.0
15°	5.8	4.8	3.9	2.9	1.9	1.0	0.0
12.5°	5.9	4.9	3.9	2.9	2.0	1.0	0.0
10°	5.9	4.9	3.9	3.0	2.0	1.0	0.0
7.5°	5.9	5.0	4.0	3.0	2.0	1.0	0.0
5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
2.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
0°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
-2.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
-5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
-7.5°	5.9	5.0	4.0	3.0	2.0	1.0	0.0
-10°	5.9	4.9	3.9	3.0	2.0	1.0	0.0
-12.5°	5.9	4.9	3.9	2.9	2.0	1.0	0.0
-15°	5.8	4.8	3.9	2.9	1.9	1.0	0.0
-17.5°	5.7	4.8	3.8	2.9	1.9	1.0	0.0
-20°	5.6	4.7	3.8	2.8	1.9	0.9	0.0



REPORT NUMBER: P29411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	5.5	4.6	3.7	2.8	1.8	0.9	0.0
-25°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
-27.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
-30°	5.2	4.3	3.5	2.6	1.7	0.9	0.0
-32.5°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
-35°	4.9	4.1	3.3	2.5	1.6	0.8	0.0
-37.5°	4.7	4.0	3.2	2.4	1.6	0.8	0.0
-40°	4.6	3.8	3.1	2.3	1.5	0.8	0.0
-42.5°	4.4	3.7	2.9	2.2	1.5	0.7	0.0
-45°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
-47.5°	4.0	3.4	2.7	2.0	1.4	0.7	0.0
-50°	3.8	3.2	2.6	1.9	1.3	0.6	0.0
-52.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-55°	3.4	2.9	2.3	1.7	1.1	0.6	0.0
-57.5°	3.2	2.7	2.1	1.6	1.1	0.5	0.0
-60°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
-62.5°	2.7	2.3	1.8	1.4	0.9	0.5	0.0
-65°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
-67.5°	2.3	1.9	1.5	1.1	0.8	0.4	0.0
-70°	2.0	1.7	1.4	1.0	0.7	0.3	0.0
-72.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-75°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
-77.5°	1.3	1.1	0.9	0.6	0.4	0.2	0.0
-80°	1.0	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)