

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: P220384 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED4097-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220384 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29418)  
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]-FL-LED4097-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,  
MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	844.3 lumens	Max Intensity:	4616.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	84.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	23.1°H x 23.1°V	Field Angle (10%):	38.1°H x 38.1°V
Beam Lumens:	430.1 lumens	Field Lumens:	661.4 lumens
Beam Efficiency:	50.9%	Field Efficiency:	78.3%

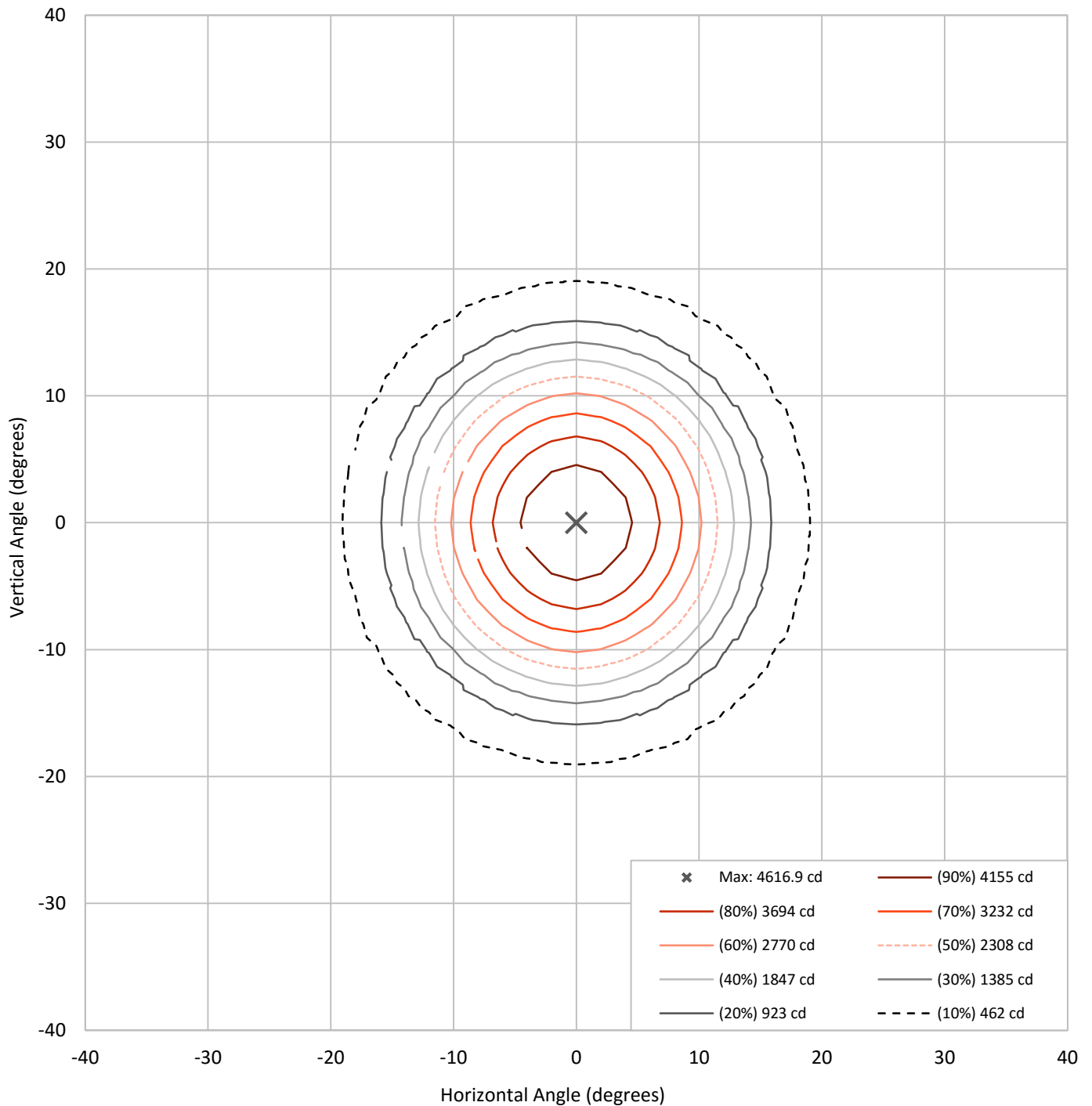
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-M-WT-L1-UNV

### Iso-Candela Plot



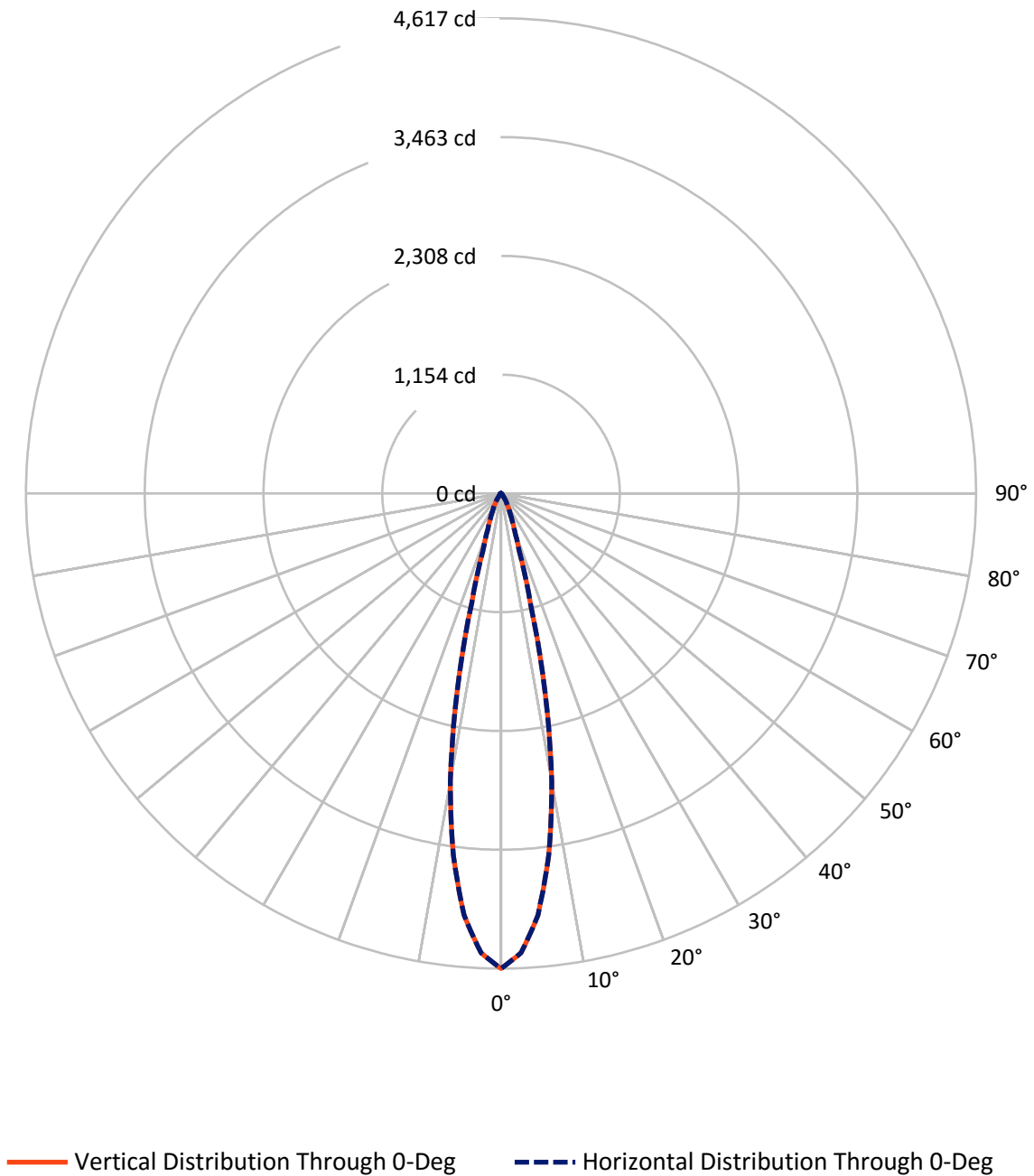
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### Lumen Table

90	0.0	0.1	0.2	0.3	0.3	0.3	0.2	0.1	0.0										
80	0.0	0.1	0.2	0.3	0.3	0.3	0.2	0.1	0.0										
70	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0			
60		0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0				
50	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.0			
40		0.1	0.1	0.2	0.3	0.5	1.1	1.7	1.7	1.1	0.5	0.3	0.2	0.1	0.1				
30	0.1	0.1	0.1	0.2	0.5	1.7	4.0	6.3	6.3	4.0	1.7	0.5	0.2	0.1	0.1	0.1			
20		0.1	0.1	0.3	1.0	3.8	11.3	32.2	32.2	11.3	3.8	1.0	0.3	0.1	0.1				
10	0.1	0.1	0.1	0.3	1.4	5.8	31.4	102.4	102.4	31.4	5.8	1.4	0.3	0.1	0.1	0.1			
0		0.1	0.1	0.3	1.4	5.8	31.4	102.4	102.4	31.4	5.8	1.4	0.3	0.1	0.1				
-10	0.1	0.1	0.1	0.3	1.4	5.8	31.4	102.4	102.4	31.4	5.8	1.4	0.3	0.1	0.1	0.1			
-20		0.1	0.1	0.3	1.0	3.8	11.3	32.2	32.2	11.3	3.8	1.0	0.3	0.1	0.1				
-30	0.0	0.1	0.1	0.2	0.5	1.7	4.0	6.3	6.3	4.0	1.7	0.5	0.2	0.1	0.1	0.0			
-40		0.1	0.1	0.2	0.3	0.5	1.1	1.7	1.7	1.1	0.5	0.3	0.2	0.1	0.1				
-50	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.0			
-60		0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0				
-70	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0			
-80		0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0				
-90	0.0	0.1	0.2	0.3	0.3	0.3	0.2	0.1	0.0										

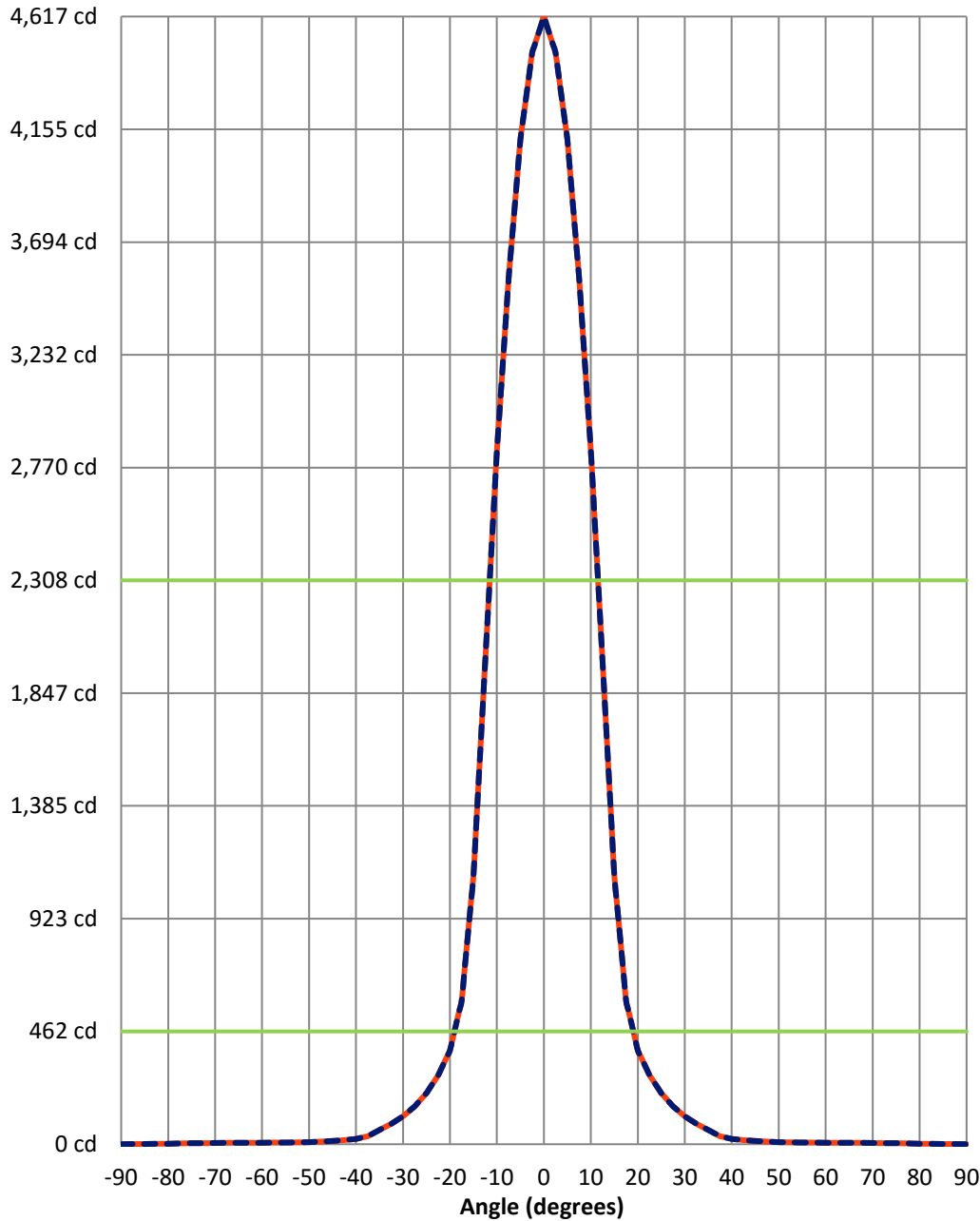
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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-M-WT-L1-UNV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 23.1°  
 V Angle: 23.1°  
 Lumens: 430.1  
 Efficiency: 50.9%

**Field:**  
 H Angle: 38.1°  
 V Angle: 38.1°  
 Lumens: 661.4  
 Efficiency: 78.3%

**Spill:**  
 Lumens: 182.9  
 Efficiency: 21.7%

- Vertical Distribution through 0-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	0.1	0.2	0.2	0.2	0.3	0.3	0.3
85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7
82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8
80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.2	0.3	0.5	0.7	0.8	0.8	0.8	0.8	0.8	0.9
75°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.8	1.0	1.3
72.5°	0.0	0.2	0.5	0.7	0.8	0.8	0.8	0.9	1.1	1.4	1.6
70°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	1.1	1.4	1.7	1.7
67.5°	0.0	0.3	0.6	0.8	0.8	0.8	1.0	1.4	1.7	1.7	1.7
65°	0.0	0.3	0.7	0.8	0.8	0.9	1.3	1.6	1.7	1.7	1.9
62.5°	0.0	0.4	0.7	0.8	0.8	1.1	1.5	1.7	1.7	1.8	2.5
60°	0.0	0.4	0.8	0.8	0.8	1.2	1.7	1.7	1.7	2.4	3.1
57.5°	0.0	0.4	0.8	0.8	0.9	1.4	1.7	1.7	2.1	2.9	3.5
55°	0.0	0.5	0.8	0.8	1.1	1.6	1.7	1.7	2.5	3.4	3.9
52.5°	0.0	0.5	0.8	0.8	1.2	1.7	1.7	2.1	3.0	3.6	4.2
50°	0.0	0.5	0.8	0.8	1.3	1.7	1.7	2.4	3.4	3.9	4.2
47.5°	0.0	0.5	0.8	0.8	1.4	1.7	1.7	2.8	3.6	4.2	4.2
45°	0.0	0.6	0.8	0.9	1.5	1.7	2.0	3.2	3.8	4.2	4.2
42.5°	0.0	0.6	0.8	1.0	1.6	1.7	2.3	3.4	4.1	4.2	4.4
40°	0.0	0.6	0.8	1.1	1.7	1.7	2.6	3.6	4.2	4.2	4.6
37.5°	0.0	0.6	0.8	1.1	1.7	1.7	2.9	3.8	4.2	4.3	4.9
35°	0.0	0.7	0.8	1.2	1.7	1.8	3.1	3.9	4.2	4.4	5.1
32.5°	0.0	0.7	0.8	1.3	1.7	2.0	3.3	4.1	4.2	4.6	5.3
30°	0.0	0.7	0.8	1.3	1.7	2.2	3.5	4.2	4.2	4.8	5.5
27.5°	0.0	0.7	0.8	1.4	1.7	2.4	3.6	4.2	4.3	4.9	5.6
25°	0.0	0.7	0.8	1.4	1.7	2.5	3.7	4.2	4.4	5.1	5.8
22.5°	0.0	0.7	0.8	1.5	1.7	2.7	3.8	4.2	4.5	5.2	5.8
20°	0.0	0.8	0.8	1.5	1.7	2.8	3.9	4.2	4.6	5.3	5.8
17.5°	0.0	0.8	0.8	1.6	1.7	2.9	3.9	4.2	4.7	5.4	5.8
15°	0.0	0.8	0.8	1.6	1.7	3.0	4.0	4.2	4.8	5.5	5.8
12.5°	0.0	0.8	0.8	1.6	1.7	3.1	4.1	4.2	4.8	5.6	5.8
10°	0.0	0.8	0.8	1.7	1.7	3.2	4.1	4.2	4.9	5.7	5.8
7.5°	0.0	0.8	0.8	1.7	1.7	3.2	4.2	4.2	4.9	5.7	5.8
5°	0.0	0.8	0.8	1.7	1.7	3.3	4.2	4.2	5.0	5.8	5.8
2.5°	0.0	0.8	0.8	1.7	1.7	3.3	4.2	4.2	5.0	5.8	5.8
0°	0.0	0.8	0.8	1.7	1.7	3.3	4.2	4.2	5.0	5.8	5.8
-2.5°	0.0	0.8	0.8	1.7	1.7	3.3	4.2	4.2	5.0	5.8	5.8
-5°	0.0	0.8	0.8	1.7	1.7	3.3	4.2	4.2	5.0	5.8	5.8
-7.5°	0.0	0.8	0.8	1.7	1.7	3.2	4.2	4.2	4.9	5.7	5.8
-10°	0.0	0.8	0.8	1.7	1.7	3.2	4.1	4.2	4.9	5.7	5.8
-12.5°	0.0	0.8	0.8	1.6	1.7	3.1	4.1	4.2	4.8	5.6	5.8
-15°	0.0	0.8	0.8	1.6	1.7	3.0	4.0	4.2	4.8	5.5	5.8
-17.5°	0.0	0.8	0.8	1.6	1.7	2.9	3.9	4.2	4.7	5.4	5.8
-20°	0.0	0.8	0.8	1.5	1.7	2.8	3.9	4.2	4.6	5.3	5.8



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-M-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	0.7	0.8	1.5	1.7	2.7	3.8	4.2	4.5	5.2	5.8
-25°	0.0	0.7	0.8	1.4	1.7	2.5	3.7	4.2	4.4	5.1	5.8
-27.5°	0.0	0.7	0.8	1.4	1.7	2.4	3.6	4.2	4.3	4.9	5.6
-30°	0.0	0.7	0.8	1.3	1.7	2.2	3.5	4.2	4.2	4.8	5.5
-32.5°	0.0	0.7	0.8	1.3	1.7	2.0	3.3	4.1	4.2	4.6	5.3
-35°	0.0	0.7	0.8	1.2	1.7	1.8	3.1	3.9	4.2	4.4	5.1
-37.5°	0.0	0.6	0.8	1.1	1.7	1.7	2.9	3.8	4.2	4.3	4.9
-40°	0.0	0.6	0.8	1.1	1.7	1.7	2.6	3.6	4.2	4.2	4.6
-42.5°	0.0	0.6	0.8	1.0	1.6	1.7	2.3	3.4	4.1	4.2	4.4
-45°	0.0	0.6	0.8	0.9	1.5	1.7	2.0	3.2	3.8	4.2	4.2
-47.5°	0.0	0.5	0.8	0.8	1.4	1.7	1.7	2.8	3.6	4.2	4.2
-50°	0.0	0.5	0.8	0.8	1.3	1.7	1.7	2.4	3.4	3.9	4.2
-52.5°	0.0	0.5	0.8	0.8	1.2	1.7	1.7	2.1	3.0	3.6	4.2
-55°	0.0	0.5	0.8	0.8	1.1	1.6	1.7	1.7	2.5	3.4	3.9
-57.5°	0.0	0.4	0.8	0.8	0.9	1.4	1.7	1.7	2.1	2.9	3.5
-60°	0.0	0.4	0.8	0.8	0.8	1.2	1.7	1.7	1.7	2.4	3.1
-62.5°	0.0	0.4	0.7	0.8	0.8	1.1	1.5	1.7	1.7	1.8	2.5
-65°	0.0	0.3	0.7	0.8	0.8	0.9	1.3	1.6	1.7	1.7	1.9
-67.5°	0.0	0.3	0.6	0.8	0.8	0.8	1.0	1.4	1.7	1.7	1.7
-70°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	1.1	1.4	1.7	1.7
-72.5°	0.0	0.2	0.5	0.7	0.8	0.8	0.8	0.9	1.1	1.4	1.6
-75°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.8	1.0	1.3
-77.5°	0.0	0.2	0.3	0.5	0.7	0.8	0.8	0.8	0.8	0.8	0.9
-80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8
-82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8
-85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7
-87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	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





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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°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
85°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.1	1.1
80°	0.8	0.8	0.9	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.7
77.5°	1.1	1.2	1.4	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.5	1.7	1.7	1.7	1.7	1.7	1.7	2.0	2.3	2.6	2.9
72.5°	1.7	1.7	1.7	1.7	2.1	2.4	2.8	3.2	3.4	3.6	3.8
70°	1.7	1.7	2.1	2.5	3.0	3.4	3.6	3.8	4.1	4.2	4.2
67.5°	1.8	2.4	2.9	3.4	3.6	3.9	4.2	4.2	4.2	4.2	4.3
65°	2.5	3.1	3.5	3.9	4.2	4.2	4.2	4.2	4.4	4.6	4.9
62.5°	3.2	3.6	4.0	4.2	4.2	4.2	4.4	4.7	5.0	5.2	5.5
60°	3.6	4.0	4.2	4.2	4.3	4.6	4.9	5.2	5.5	5.8	5.8
57.5°	4.0	4.2	4.2	4.3	4.7	5.1	5.4	5.7	5.8	5.8	5.8
55°	4.2	4.2	4.3	4.7	5.1	5.5	5.8	5.8	5.8	5.8	5.8
52.5°	4.2	4.3	4.7	5.1	5.6	5.8	5.8	5.8	5.8	5.8	5.8
50°	4.2	4.6	5.1	5.5	5.8	5.8	5.8	5.8	5.8	5.8	6.0
47.5°	4.4	4.9	5.4	5.8	5.8	5.8	5.8	5.8	5.8	6.2	6.7
45°	4.7	5.2	5.7	5.8	5.8	5.8	5.8	5.8	6.3	6.7	6.7
42.5°	5.0	5.5	5.8	5.8	5.8	5.8	5.8	6.3	6.7	6.7	7.0
40°	5.2	5.8	5.8	5.8	5.8	5.8	6.2	6.7	6.7	7.0	7.5
37.5°	5.5	5.8	5.8	5.8	5.8	6.0	6.7	6.7	7.0	7.5	8.0
35°	5.7	5.8	5.8	5.8	5.8	6.4	6.7	6.8	7.4	7.9	8.8
32.5°	5.8	5.8	5.8	5.8	6.1	6.7	6.7	7.2	7.8	8.5	10.3
30°	5.8	5.8	5.8	5.8	6.5	6.7	7.0	7.6	8.2	9.9	11.7
27.5°	5.8	5.8	5.8	6.0	6.7	6.7	7.3	7.9	9.1	11.1	13.0
25°	5.8	5.8	5.8	6.3	6.7	6.9	7.6	8.3	10.2	12.3	14.6
22.5°	5.8	5.8	5.8	6.5	6.7	7.2	7.9	9.1	11.2	13.4	16.2
20°	5.8	5.8	5.9	6.7	6.7	7.4	8.1	9.9	12.2	14.7	18.1
17.5°	5.8	5.8	6.1	6.7	6.9	7.6	8.4	10.7	13.0	15.9	20.0
15°	5.8	5.8	6.3	6.7	7.0	7.8	9.0	11.4	13.9	17.2	21.8
12.5°	5.8	5.8	6.4	6.7	7.2	7.9	9.6	12.0	14.7	18.5	25.0
10°	5.8	5.8	6.5	6.7	7.3	8.1	10.0	12.4	15.4	19.6	27.7
7.5°	5.8	5.8	6.6	6.7	7.4	8.2	10.4	12.8	16.0	20.5	29.8
5°	5.8	5.8	6.7	6.7	7.4	8.2	10.6	13.1	16.4	21.2	31.3
2.5°	5.8	5.8	6.7	6.7	7.5	8.3	10.8	13.2	16.6	21.6	32.2
0°	5.8	5.8	6.7	6.7	7.5	8.3	10.8	13.3	16.7	21.7	32.5
-2.5°	5.8	5.8	6.7	6.7	7.5	8.3	10.8	13.2	16.6	21.6	32.2
-5°	5.8	5.8	6.7	6.7	7.4	8.2	10.6	13.1	16.4	21.2	31.3
-7.5°	5.8	5.8	6.6	6.7	7.4	8.2	10.4	12.8	16.0	20.5	29.8
-10°	5.8	5.8	6.5	6.7	7.3	8.1	10.0	12.4	15.4	19.6	27.7
-12.5°	5.8	5.8	6.4	6.7	7.2	7.9	9.6	12.0	14.7	18.5	25.0
-15°	5.8	5.8	6.3	6.7	7.0	7.8	9.0	11.4	13.9	17.2	21.8
-17.5°	5.8	5.8	6.1	6.7	6.9	7.6	8.4	10.7	13.0	15.9	20.0
-20°	5.8	5.8	5.9	6.7	6.7	7.4	8.1	9.9	12.2	14.7	18.1



REPORT NUMBER: P220384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-M-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°	5.8	5.8	5.8	6.5	6.7	7.2	7.9	9.1	11.2	13.4	16.2
-25°	5.8	5.8	5.8	6.3	6.7	6.9	7.6	8.3	10.2	12.3	14.6
-27.5°	5.8	5.8	5.8	6.0	6.7	6.7	7.3	7.9	9.1	11.1	13.0
-30°	5.8	5.8	5.8	5.8	6.5	6.7	7.0	7.6	8.2	9.9	11.7
-32.5°	5.8	5.8	5.8	5.8	6.1	6.7	6.7	7.2	7.8	8.5	10.3
-35°	5.7	5.8	5.8	5.8	5.8	6.4	6.7	6.8	7.4	7.9	8.8
-37.5°	5.5	5.8	5.8	5.8	5.8	6.0	6.7	6.7	7.0	7.5	8.0
-40°	5.2	5.8	5.8	5.8	5.8	5.8	6.2	6.7	6.7	7.0	7.5
-42.5°	5.0	5.5	5.8	5.8	5.8	5.8	5.8	6.3	6.7	6.7	7.0
-45°	4.7	5.2	5.7	5.8	5.8	5.8	5.8	5.8	6.3	6.7	6.7
-47.5°	4.4	4.9	5.4	5.8	5.8	5.8	5.8	5.8	5.8	6.2	6.7
-50°	4.2	4.6	5.1	5.5	5.8	5.8	5.8	5.8	5.8	5.8	6.0
-52.5°	4.2	4.3	4.7	5.1	5.6	5.8	5.8	5.8	5.8	5.8	5.8
-55°	4.2	4.2	4.3	4.7	5.1	5.5	5.8	5.8	5.8	5.8	5.8
-57.5°	4.0	4.2	4.2	4.3	4.7	5.1	5.4	5.7	5.8	5.8	5.8
-60°	3.6	4.0	4.2	4.2	4.3	4.6	4.9	5.2	5.5	5.8	5.8
-62.5°	3.2	3.6	4.0	4.2	4.2	4.2	4.4	4.7	5.0	5.2	5.5
-65°	2.5	3.1	3.5	3.9	4.2	4.2	4.2	4.2	4.4	4.6	4.9
-67.5°	1.8	2.4	2.9	3.4	3.6	3.9	4.2	4.2	4.2	4.2	4.3
-70°	1.7	1.7	2.1	2.5	3.0	3.4	3.6	3.8	4.1	4.2	4.2
-72.5°	1.7	1.7	1.7	1.7	2.1	2.4	2.8	3.2	3.4	3.6	3.8
-75°	1.5	1.7	1.7	1.7	1.7	1.7	1.7	2.0	2.3	2.6	2.9
-77.5°	1.1	1.2	1.4	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
-80°	0.8	0.8	0.9	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.7
-82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.1	1.1
-85°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
-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: P220384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-M-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°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.8	2.0	2.2	2.4	2.5	2.7	2.8	2.9	3.0	3.1	3.2
75°	3.1	3.3	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.1	4.1
72.5°	3.9	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
70°	4.2	4.2	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9
67.5°	4.4	4.6	4.8	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7
65°	5.1	5.3	5.5	5.6	5.8	5.8	5.8	5.8	5.8	5.8	5.8
62.5°	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
60°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
57.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.9	6.1	6.3	6.4	6.5
55°	5.8	5.8	5.8	6.0	6.3	6.5	6.7	6.7	6.7	6.7	6.7
52.5°	5.8	6.1	6.5	6.7	6.7	6.7	6.7	6.9	7.0	7.2	7.3
50°	6.4	6.7	6.7	6.7	6.9	7.2	7.4	7.6	7.8	7.9	8.1
47.5°	6.7	6.7	7.0	7.3	7.6	7.9	8.1	8.4	9.0	9.6	10.0
45°	6.8	7.2	7.6	7.9	8.3	9.1	9.9	10.7	11.4	12.0	12.4
42.5°	7.4	7.8	8.2	9.1	10.2	11.2	12.2	13.0	13.9	14.7	15.4
40°	7.9	8.5	9.9	11.1	12.3	13.4	14.7	15.9	17.2	18.5	19.6
37.5°	8.8	10.3	11.7	13.0	14.6	16.2	18.1	20.0	21.8	25.0	27.7
35°	10.4	12.0	13.6	15.5	17.6	20.1	23.1	27.6	31.6	38.7	45.7
32.5°	12.0	13.8	15.9	18.6	21.4	26.8	32.2	43.3	53.7	62.6	69.9
30°	13.6	15.9	18.9	22.5	29.1	39.1	52.8	65.1	76.0	86.1	95.9
27.5°	15.5	18.6	22.5	29.8	42.9	58.6	72.9	86.7	101.3	114.0	127.2
25°	17.6	21.4	29.1	42.9	60.5	76.9	94.3	111.8	130.7	150.0	168.1
22.5°	20.1	26.8	39.1	58.6	76.9	96.9	117.8	142.1	167.8	195.1	223.3
20°	23.1	32.2	52.8	72.9	94.3	117.8	146.0	177.9	214.5	254.6	291.8
17.5°	27.6	43.3	65.1	86.7	111.8	142.1	177.9	222.2	270.8	327.5	380.8
15°	31.6	53.7	76.0	101.3	130.7	167.8	214.5	270.8	339.7	417.1	530.2
12.5°	38.7	62.6	86.1	114.0	150.0	195.1	254.6	327.5	417.1	574.8	850.6
10°	45.7	69.9	95.9	127.2	168.1	223.3	291.8	380.8	530.2	850.6	1388.5
7.5°	51.1	75.7	103.8	138.7	184.2	248.5	330.9	443.0	701.3	1245.7	1982.1
5°	55.1	79.9	109.5	147.3	197.9	267.1	360.0	510.8	893.3	1624.3	2454.2
2.5°	57.5	82.4	112.9	153.0	206.3	278.6	377.9	566.7	1046.4	1883.0	2740.1
0°	58.3	83.3	114.1	155.0	209.1	282.4	384.0	588.2	1098.8	1973.6	2839.1
-2.5°	57.5	82.4	112.9	153.0	206.3	278.6	377.9	566.7	1046.4	1883.0	2740.1
-5°	55.1	79.9	109.5	147.3	197.9	267.1	360.0	510.8	893.3	1624.3	2454.2
-7.5°	51.1	75.7	103.8	138.7	184.2	248.5	330.9	443.0	701.3	1245.7	1982.1
-10°	45.7	69.9	95.9	127.2	168.1	223.3	291.8	380.8	530.2	850.6	1388.5
-12.5°	38.7	62.6	86.1	114.0	150.0	195.1	254.6	327.5	417.1	574.8	850.6
-15°	31.6	53.7	76.0	101.3	130.7	167.8	214.5	270.8	339.7	417.1	530.2
-17.5°	27.6	43.3	65.1	86.7	111.8	142.1	177.9	222.2	270.8	327.5	380.8
-20°	23.1	32.2	52.8	72.9	94.3	117.8	146.0	177.9	214.5	254.6	291.8



REPORT NUMBER: P220384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	20.1	26.8	39.1	58.6	76.9	96.9	117.8	142.1	167.8	195.1	223.3
-25°	17.6	21.4	29.1	42.9	60.5	76.9	94.3	111.8	130.7	150.0	168.1
-27.5°	15.5	18.6	22.5	29.8	42.9	58.6	72.9	86.7	101.3	114.0	127.2
-30°	13.6	15.9	18.9	22.5	29.1	39.1	52.8	65.1	76.0	86.1	95.9
-32.5°	12.0	13.8	15.9	18.6	21.4	26.8	32.2	43.3	53.7	62.6	69.9
-35°	10.4	12.0	13.6	15.5	17.6	20.1	23.1	27.6	31.6	38.7	45.7
-37.5°	8.8	10.3	11.7	13.0	14.6	16.2	18.1	20.0	21.8	25.0	27.7
-40°	7.9	8.5	9.9	11.1	12.3	13.4	14.7	15.9	17.2	18.5	19.6
-42.5°	7.4	7.8	8.2	9.1	10.2	11.2	12.2	13.0	13.9	14.7	15.4
-45°	6.8	7.2	7.6	7.9	8.3	9.1	9.9	10.7	11.4	12.0	12.4
-47.5°	6.7	6.7	7.0	7.3	7.6	7.9	8.1	8.4	9.0	9.6	10.0
-50°	6.4	6.7	6.7	6.7	6.9	7.2	7.4	7.6	7.8	7.9	8.1
-52.5°	5.8	6.1	6.5	6.7	6.7	6.7	6.7	6.9	7.0	7.2	7.3
-55°	5.8	5.8	5.8	6.0	6.3	6.5	6.7	6.7	6.7	6.7	6.7
-57.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.9	6.1	6.3	6.4	6.5
-60°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
-62.5°	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
-65°	5.1	5.3	5.5	5.6	5.8	5.8	5.8	5.8	5.8	5.8	5.8
-67.5°	4.4	4.6	4.8	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7
-70°	4.2	4.2	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9
-72.5°	3.9	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
-75°	3.1	3.3	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.1	4.1
-77.5°	1.8	2.0	2.2	2.4	2.5	2.7	2.8	2.9	3.0	3.1	3.2
-80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
-82.5°	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	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: P220384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-M-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.0	2.9
75°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.0	3.9
72.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
70°	4.9	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.8	4.7
67.5°	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.6	5.5	5.4
65°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
62.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
60°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
57.5°	6.6	6.7	6.7	6.7	6.7	6.7	6.6	6.5	6.4	6.3	6.1
55°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
52.5°	7.4	7.4	7.5	7.5	7.5	7.4	7.4	7.3	7.2	7.0	6.9
50°	8.2	8.2	8.3	8.3	8.3	8.2	8.2	8.1	7.9	7.8	7.6
47.5°	10.4	10.6	10.8	10.8	10.8	10.6	10.4	10.0	9.6	9.0	8.4
45°	12.8	13.1	13.2	13.3	13.2	13.1	12.8	12.4	12.0	11.4	10.7
42.5°	16.0	16.4	16.6	16.7	16.6	16.4	16.0	15.4	14.7	13.9	13.0
40°	20.5	21.2	21.6	21.7	21.6	21.2	20.5	19.6	18.5	17.2	15.9
37.5°	29.8	31.3	32.2	32.5	32.2	31.3	29.8	27.7	25.0	21.8	20.0
35°	51.1	55.1	57.5	58.3	57.5	55.1	51.1	45.7	38.7	31.6	27.6
32.5°	75.7	79.9	82.4	83.3	82.4	79.9	75.7	69.9	62.6	53.7	43.3
30°	103.8	109.5	112.9	114.1	112.9	109.5	103.8	95.9	86.1	76.0	65.1
27.5°	138.7	147.3	153.0	155.0	153.0	147.3	138.7	127.2	114.0	101.3	86.7
25°	184.2	197.9	206.3	209.1	206.3	197.9	184.2	168.1	150.0	130.7	111.8
22.5°	248.5	267.1	278.6	282.4	278.6	267.1	248.5	223.3	195.1	167.8	142.1
20°	330.9	360.0	377.9	384.0	377.9	360.0	330.9	291.8	254.6	214.5	177.9
17.5°	443.0	510.8	566.7	588.2	566.7	510.8	443.0	380.8	327.5	270.8	222.2
15°	701.3	893.3	1046.4	1098.8	1046.4	893.3	701.3	530.2	417.1	339.7	270.8
12.5°	1245.7	1624.3	1883.0	1973.6	1883.0	1624.3	1245.7	850.6	574.8	417.1	327.5
10°	1982.1	2454.2	2740.1	2839.1	2740.1	2454.2	1982.1	1388.5	850.6	530.2	380.8
7.5°	2647.0	3135.6	3441.6	3546.8	3441.6	3135.6	2647.0	1982.1	1245.7	701.3	443.0
5°	3135.6	3659.8	3992.1	4113.7	3992.1	3659.8	3135.6	2454.2	1624.3	893.3	510.8
2.5°	3441.6	3992.1	4348.6	4468.2	4348.6	3992.1	3441.6	2740.1	1883.0	1046.4	566.7
0°	3546.8	4113.7	4468.2	4616.9	4468.2	4113.7	3546.8	2839.1	1973.6	1098.8	588.2
-2.5°	3441.6	3992.1	4348.6	4468.2	4348.6	3992.1	3441.6	2740.1	1883.0	1046.4	566.7
-5°	3135.6	3659.8	3992.1	4113.7	3992.1	3659.8	3135.6	2454.2	1624.3	893.3	510.8
-7.5°	2647.0	3135.6	3441.6	3546.8	3441.6	3135.6	2647.0	1982.1	1245.7	701.3	443.0
-10°	1982.1	2454.2	2740.1	2839.1	2740.1	2454.2	1982.1	1388.5	850.6	530.2	380.8
-12.5°	1245.7	1624.3	1883.0	1973.6	1883.0	1624.3	1245.7	850.6	574.8	417.1	327.5
-15°	701.3	893.3	1046.4	1098.8	1046.4	893.3	701.3	530.2	417.1	339.7	270.8
-17.5°	443.0	510.8	566.7	588.2	566.7	510.8	443.0	380.8	327.5	270.8	222.2
-20°	330.9	360.0	377.9	384.0	377.9	360.0	330.9	291.8	254.6	214.5	177.9



REPORT NUMBER: P220384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-M-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°	248.5	267.1	278.6	282.4	278.6	267.1	248.5	223.3	195.1	167.8	142.1
-25°	184.2	197.9	206.3	209.1	206.3	197.9	184.2	168.1	150.0	130.7	111.8
-27.5°	138.7	147.3	153.0	155.0	153.0	147.3	138.7	127.2	114.0	101.3	86.7
-30°	103.8	109.5	112.9	114.1	112.9	109.5	103.8	95.9	86.1	76.0	65.1
-32.5°	75.7	79.9	82.4	83.3	82.4	79.9	75.7	69.9	62.6	53.7	43.3
-35°	51.1	55.1	57.5	58.3	57.5	55.1	51.1	45.7	38.7	31.6	27.6
-37.5°	29.8	31.3	32.2	32.5	32.2	31.3	29.8	27.7	25.0	21.8	20.0
-40°	20.5	21.2	21.6	21.7	21.6	21.2	20.5	19.6	18.5	17.2	15.9
-42.5°	16.0	16.4	16.6	16.7	16.6	16.4	16.0	15.4	14.7	13.9	13.0
-45°	12.8	13.1	13.2	13.3	13.2	13.1	12.8	12.4	12.0	11.4	10.7
-47.5°	10.4	10.6	10.8	10.8	10.8	10.6	10.4	10.0	9.6	9.0	8.4
-50°	8.2	8.2	8.3	8.3	8.3	8.2	8.2	8.1	7.9	7.8	7.6
-52.5°	7.4	7.4	7.5	7.5	7.5	7.4	7.4	7.3	7.2	7.0	6.9
-55°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-57.5°	6.6	6.7	6.7	6.7	6.7	6.7	6.6	6.5	6.4	6.3	6.1
-60°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
-62.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
-65°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
-67.5°	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.6	5.5	5.4
-70°	4.9	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.8	4.7
-72.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
-75°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.0	3.9
-77.5°	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.0	2.9
-80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
-82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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: P220384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-M-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°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.5
77.5°	2.8	2.7	2.5	2.4	2.2	2.0	1.8	1.7	1.7	1.7	1.7
75°	3.9	3.8	3.7	3.6	3.5	3.3	3.1	2.9	2.6	2.3	2.0
72.5°	4.2	4.2	4.2	4.2	4.2	4.1	3.9	3.8	3.6	3.4	3.2
70°	4.6	4.5	4.4	4.3	4.2	4.2	4.2	4.2	4.2	4.1	3.8
67.5°	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.3	4.2	4.2	4.2
65°	5.8	5.8	5.8	5.6	5.5	5.3	5.1	4.9	4.6	4.4	4.2
62.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.5	5.2	5.0	4.7
60°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.5	5.2
57.5°	5.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7
55°	6.7	6.5	6.3	6.0	5.8	5.8	5.8	5.8	5.8	5.8	5.8
52.5°	6.7	6.7	6.7	6.7	6.5	6.1	5.8	5.8	5.8	5.8	5.8
50°	7.4	7.2	6.9	6.7	6.7	6.7	6.4	6.0	5.8	5.8	5.8
47.5°	8.1	7.9	7.6	7.3	7.0	6.7	6.7	6.7	6.2	5.8	5.8
45°	9.9	9.1	8.3	7.9	7.6	7.2	6.8	6.7	6.7	6.3	5.8
42.5°	12.2	11.2	10.2	9.1	8.2	7.8	7.4	7.0	6.7	6.7	6.3
40°	14.7	13.4	12.3	11.1	9.9	8.5	7.9	7.5	7.0	6.7	6.7
37.5°	18.1	16.2	14.6	13.0	11.7	10.3	8.8	8.0	7.5	7.0	6.7
35°	23.1	20.1	17.6	15.5	13.6	12.0	10.4	8.8	7.9	7.4	6.8
32.5°	32.2	26.8	21.4	18.6	15.9	13.8	12.0	10.3	8.5	7.8	7.2
30°	52.8	39.1	29.1	22.5	18.9	15.9	13.6	11.7	9.9	8.2	7.6
27.5°	72.9	58.6	42.9	29.8	22.5	18.6	15.5	13.0	11.1	9.1	7.9
25°	94.3	76.9	60.5	42.9	29.1	21.4	17.6	14.6	12.3	10.2	8.3
22.5°	117.8	96.9	76.9	58.6	39.1	26.8	20.1	16.2	13.4	11.2	9.1
20°	146.0	117.8	94.3	72.9	52.8	32.2	23.1	18.1	14.7	12.2	9.9
17.5°	177.9	142.1	111.8	86.7	65.1	43.3	27.6	20.0	15.9	13.0	10.7
15°	214.5	167.8	130.7	101.3	76.0	53.7	31.6	21.8	17.2	13.9	11.4
12.5°	254.6	195.1	150.0	114.0	86.1	62.6	38.7	25.0	18.5	14.7	12.0
10°	291.8	223.3	168.1	127.2	95.9	69.9	45.7	27.7	19.6	15.4	12.4
7.5°	330.9	248.5	184.2	138.7	103.8	75.7	51.1	29.8	20.5	16.0	12.8
5°	360.0	267.1	197.9	147.3	109.5	79.9	55.1	31.3	21.2	16.4	13.1
2.5°	377.9	278.6	206.3	153.0	112.9	82.4	57.5	32.2	21.6	16.6	13.2
0°	<b>384.0</b>	<b>282.4</b>	<b>209.1</b>	<b>155.0</b>	<b>114.1</b>	<b>83.3</b>	<b>58.3</b>	<b>32.5</b>	<b>21.7</b>	<b>16.7</b>	<b>13.3</b>
-2.5°	377.9	278.6	206.3	153.0	112.9	82.4	57.5	32.2	21.6	16.6	13.2
-5°	360.0	267.1	197.9	147.3	109.5	79.9	55.1	31.3	21.2	16.4	13.1
-7.5°	330.9	248.5	184.2	138.7	103.8	75.7	51.1	29.8	20.5	16.0	12.8
-10°	291.8	223.3	168.1	127.2	95.9	69.9	45.7	27.7	19.6	15.4	12.4
-12.5°	254.6	195.1	150.0	114.0	86.1	62.6	38.7	25.0	18.5	14.7	12.0
-15°	214.5	167.8	130.7	101.3	76.0	53.7	31.6	21.8	17.2	13.9	11.4
-17.5°	177.9	142.1	111.8	86.7	65.1	43.3	27.6	20.0	15.9	13.0	10.7
-20°	146.0	117.8	94.3	72.9	52.8	32.2	23.1	18.1	14.7	12.2	9.9



REPORT NUMBER: P220384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	117.8	96.9	76.9	58.6	39.1	26.8	20.1	16.2	13.4	11.2	9.1
-25°	94.3	76.9	60.5	42.9	29.1	21.4	17.6	14.6	12.3	10.2	8.3
-27.5°	72.9	58.6	42.9	29.8	22.5	18.6	15.5	13.0	11.1	9.1	7.9
-30°	52.8	39.1	29.1	22.5	18.9	15.9	13.6	11.7	9.9	8.2	7.6
-32.5°	32.2	26.8	21.4	18.6	15.9	13.8	12.0	10.3	8.5	7.8	7.2
-35°	23.1	20.1	17.6	15.5	13.6	12.0	10.4	8.8	7.9	7.4	6.8
-37.5°	18.1	16.2	14.6	13.0	11.7	10.3	8.8	8.0	7.5	7.0	6.7
-40°	14.7	13.4	12.3	11.1	9.9	8.5	7.9	7.5	7.0	6.7	6.7
-42.5°	12.2	11.2	10.2	9.1	8.2	7.8	7.4	7.0	6.7	6.7	6.3
-45°	9.9	9.1	8.3	7.9	7.6	7.2	6.8	6.7	6.7	6.3	5.8
-47.5°	8.1	7.9	7.6	7.3	7.0	6.7	6.7	6.7	6.2	5.8	5.8
-50°	7.4	7.2	6.9	6.7	6.7	6.7	6.4	6.0	5.8	5.8	5.8
-52.5°	6.7	6.7	6.7	6.7	6.5	6.1	5.8	5.8	5.8	5.8	5.8
-55°	6.7	6.5	6.3	6.0	5.8	5.8	5.8	5.8	5.8	5.8	5.8
-57.5°	5.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7
-60°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.5	5.2
-62.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.5	5.2	5.0	4.7
-65°	5.8	5.8	5.8	5.6	5.5	5.3	5.1	4.9	4.6	4.4	4.2
-67.5°	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.3	4.2	4.2	4.2
-70°	4.6	4.5	4.4	4.3	4.2	4.2	4.2	4.2	4.2	4.1	3.8
-72.5°	4.2	4.2	4.2	4.2	4.2	4.1	3.9	3.8	3.6	3.4	3.2
-75°	3.9	3.8	3.7	3.6	3.5	3.3	3.1	2.9	2.6	2.3	2.0
-77.5°	2.8	2.7	2.5	2.4	2.2	2.0	1.8	1.7	1.7	1.7	1.7
-80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.5
-82.5°	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
-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: P220384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-M-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°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.5	0.5
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7
80°	1.4	1.3	1.2	1.1	0.9	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	1.7	1.7	1.7	1.6	1.4	1.2	1.1	0.9	0.8	0.8	0.8
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.5	1.3	1.0	0.8	0.8
72.5°	2.8	2.4	2.1	1.7	1.7	1.7	1.7	1.6	1.4	1.1	0.9
70°	3.6	3.4	3.0	2.5	2.1	1.7	1.7	1.7	1.7	1.4	1.1
67.5°	4.2	3.9	3.6	3.4	2.9	2.4	1.8	1.7	1.7	1.7	1.4
65°	4.2	4.2	4.2	3.9	3.5	3.1	2.5	1.9	1.7	1.7	1.6
62.5°	4.4	4.2	4.2	4.2	4.0	3.6	3.2	2.5	1.8	1.7	1.7
60°	4.9	4.6	4.3	4.2	4.2	4.0	3.6	3.1	2.4	1.7	1.7
57.5°	5.4	5.1	4.7	4.3	4.2	4.2	4.0	3.5	2.9	2.1	1.7
55°	5.8	5.5	5.1	4.7	4.3	4.2	4.2	3.9	3.4	2.5	1.7
52.5°	5.8	5.8	5.6	5.1	4.7	4.3	4.2	4.2	3.6	3.0	2.1
50°	5.8	5.8	5.8	5.5	5.1	4.6	4.2	4.2	3.9	3.4	2.4
47.5°	5.8	5.8	5.8	5.8	5.4	4.9	4.4	4.2	4.2	3.6	2.8
45°	5.8	5.8	5.8	5.8	5.7	5.2	4.7	4.2	4.2	3.8	3.2
42.5°	5.8	5.8	5.8	5.8	5.8	5.5	5.0	4.4	4.2	4.1	3.4
40°	6.2	5.8	5.8	5.8	5.8	5.8	5.2	4.6	4.2	4.2	3.6
37.5°	6.7	6.0	5.8	5.8	5.8	5.8	5.5	4.9	4.3	4.2	3.8
35°	6.7	6.4	5.8	5.8	5.8	5.8	5.7	5.1	4.4	4.2	3.9
32.5°	6.7	6.7	6.1	5.8	5.8	5.8	5.8	5.3	4.6	4.2	4.1
30°	7.0	6.7	6.5	5.8	5.8	5.8	5.8	5.5	4.8	4.2	4.2
27.5°	7.3	6.7	6.7	6.0	5.8	5.8	5.8	5.6	4.9	4.3	4.2
25°	7.6	6.9	6.7	6.3	5.8	5.8	5.8	5.8	5.1	4.4	4.2
22.5°	7.9	7.2	6.7	6.5	5.8	5.8	5.8	5.8	5.2	4.5	4.2
20°	8.1	7.4	6.7	6.7	5.9	5.8	5.8	5.8	5.3	4.6	4.2
17.5°	8.4	7.6	6.9	6.7	6.1	5.8	5.8	5.8	5.4	4.7	4.2
15°	9.0	7.8	7.0	6.7	6.3	5.8	5.8	5.8	5.5	4.8	4.2
12.5°	9.6	7.9	7.2	6.7	6.4	5.8	5.8	5.8	5.6	4.8	4.2
10°	10.0	8.1	7.3	6.7	6.5	5.8	5.8	5.8	5.7	4.9	4.2
7.5°	10.4	8.2	7.4	6.7	6.6	5.8	5.8	5.8	5.7	4.9	4.2
5°	10.6	8.2	7.4	6.7	6.7	5.8	5.8	5.8	5.8	5.0	4.2
2.5°	10.8	8.3	7.5	6.7	6.7	5.8	5.8	5.8	5.8	5.0	4.2
0°	10.8	8.3	7.5	6.7	6.7	5.8	5.8	5.8	5.8	5.0	4.2
-2.5°	10.8	8.3	7.5	6.7	6.7	5.8	5.8	5.8	5.8	5.0	4.2
-5°	10.6	8.2	7.4	6.7	6.7	5.8	5.8	5.8	5.8	5.0	4.2
-7.5°	10.4	8.2	7.4	6.7	6.6	5.8	5.8	5.8	5.7	4.9	4.2
-10°	10.0	8.1	7.3	6.7	6.5	5.8	5.8	5.8	5.7	4.9	4.2
-12.5°	9.6	7.9	7.2	6.7	6.4	5.8	5.8	5.8	5.6	4.8	4.2
-15°	9.0	7.8	7.0	6.7	6.3	5.8	5.8	5.8	5.5	4.8	4.2
-17.5°	8.4	7.6	6.9	6.7	6.1	5.8	5.8	5.8	5.4	4.7	4.2
-20°	8.1	7.4	6.7	6.7	5.9	5.8	5.8	5.8	5.3	4.6	4.2



REPORT NUMBER: P220384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-M-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°	7.9	7.2	6.7	6.5	5.8	5.8	5.8	5.8	5.2	4.5	4.2
-25°	7.6	6.9	6.7	6.3	5.8	5.8	5.8	5.8	5.1	4.4	4.2
-27.5°	7.3	6.7	6.7	6.0	5.8	5.8	5.8	5.6	4.9	4.3	4.2
-30°	7.0	6.7	6.5	5.8	5.8	5.8	5.8	5.5	4.8	4.2	4.2
-32.5°	6.7	6.7	6.1	5.8	5.8	5.8	5.8	5.3	4.6	4.2	4.1
-35°	6.7	6.4	5.8	5.8	5.8	5.8	5.7	5.1	4.4	4.2	3.9
-37.5°	6.7	6.0	5.8	5.8	5.8	5.8	5.5	4.9	4.3	4.2	3.8
-40°	6.2	5.8	5.8	5.8	5.8	5.8	5.2	4.6	4.2	4.2	3.6
-42.5°	5.8	5.8	5.8	5.8	5.8	5.5	5.0	4.4	4.2	4.1	3.4
-45°	5.8	5.8	5.8	5.8	5.7	5.2	4.7	4.2	4.2	3.8	3.2
-47.5°	5.8	5.8	5.8	5.8	5.4	4.9	4.4	4.2	4.2	3.6	2.8
-50°	5.8	5.8	5.8	5.5	5.1	4.6	4.2	4.2	3.9	3.4	2.4
-52.5°	5.8	5.8	5.6	5.1	4.7	4.3	4.2	4.2	3.6	3.0	2.1
-55°	5.8	5.5	5.1	4.7	4.3	4.2	4.2	3.9	3.4	2.5	1.7
-57.5°	5.4	5.1	4.7	4.3	4.2	4.2	4.0	3.5	2.9	2.1	1.7
-60°	4.9	4.6	4.3	4.2	4.2	4.0	3.6	3.1	2.4	1.7	1.7
-62.5°	4.4	4.2	4.2	4.2	4.0	3.6	3.2	2.5	1.8	1.7	1.7
-65°	4.2	4.2	4.2	3.9	3.5	3.1	2.5	1.9	1.7	1.7	1.6
-67.5°	4.2	3.9	3.6	3.4	2.9	2.4	1.8	1.7	1.7	1.7	1.4
-70°	3.6	3.4	3.0	2.5	2.1	1.7	1.7	1.7	1.7	1.4	1.1
-72.5°	2.8	2.4	2.1	1.7	1.7	1.7	1.7	1.6	1.4	1.1	0.9
-75°	1.7	1.7	1.7	1.7	1.7	1.7	1.5	1.3	1.0	0.8	0.8
-77.5°	1.7	1.7	1.7	1.6	1.4	1.2	1.1	0.9	0.8	0.8	0.8
-80°	1.4	1.3	1.2	1.1	0.9	0.8	0.8	0.8	0.8	0.8	0.8
-82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.5	0.5
-87.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	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: P220384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-M-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°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
85°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
82.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
80°	0.8	0.7	0.6	0.4	0.3	0.1	0.0
77.5°	0.8	0.8	0.7	0.5	0.3	0.2	0.0
75°	0.8	0.8	0.8	0.6	0.4	0.2	0.0
72.5°	0.8	0.8	0.8	0.7	0.5	0.2	0.0
70°	0.8	0.8	0.8	0.8	0.5	0.3	0.0
67.5°	1.0	0.8	0.8	0.8	0.6	0.3	0.0
65°	1.3	0.9	0.8	0.8	0.7	0.3	0.0
62.5°	1.5	1.1	0.8	0.8	0.7	0.4	0.0
60°	1.7	1.2	0.8	0.8	0.8	0.4	0.0
57.5°	1.7	1.4	0.9	0.8	0.8	0.4	0.0
55°	1.7	1.6	1.1	0.8	0.8	0.5	0.0
52.5°	1.7	1.7	1.2	0.8	0.8	0.5	0.0
50°	1.7	1.7	1.3	0.8	0.8	0.5	0.0
47.5°	1.7	1.7	1.4	0.8	0.8	0.5	0.0
45°	2.0	1.7	1.5	0.9	0.8	0.6	0.0
42.5°	2.3	1.7	1.6	1.0	0.8	0.6	0.0
40°	2.6	1.7	1.7	1.1	0.8	0.6	0.0
37.5°	2.9	1.7	1.7	1.1	0.8	0.6	0.0
35°	3.1	1.8	1.7	1.2	0.8	0.7	0.0
32.5°	3.3	2.0	1.7	1.3	0.8	0.7	0.0
30°	3.5	2.2	1.7	1.3	0.8	0.7	0.0
27.5°	3.6	2.4	1.7	1.4	0.8	0.7	0.0
25°	3.7	2.5	1.7	1.4	0.8	0.7	0.0
22.5°	3.8	2.7	1.7	1.5	0.8	0.7	0.0
20°	3.9	2.8	1.7	1.5	0.8	0.8	0.0
17.5°	3.9	2.9	1.7	1.6	0.8	0.8	0.0
15°	4.0	3.0	1.7	1.6	0.8	0.8	0.0
12.5°	4.1	3.1	1.7	1.6	0.8	0.8	0.0
10°	4.1	3.2	1.7	1.7	0.8	0.8	0.0
7.5°	4.2	3.2	1.7	1.7	0.8	0.8	0.0
5°	4.2	3.3	1.7	1.7	0.8	0.8	0.0
2.5°	4.2	3.3	1.7	1.7	0.8	0.8	0.0
0°	4.2	3.3	1.7	1.7	0.8	0.8	0.0
-2.5°	4.2	3.3	1.7	1.7	0.8	0.8	0.0
-5°	4.2	3.3	1.7	1.7	0.8	0.8	0.0
-7.5°	4.2	3.2	1.7	1.7	0.8	0.8	0.0
-10°	4.1	3.2	1.7	1.7	0.8	0.8	0.0
-12.5°	4.1	3.1	1.7	1.6	0.8	0.8	0.0
-15°	4.0	3.0	1.7	1.6	0.8	0.8	0.0
-17.5°	3.9	2.9	1.7	1.6	0.8	0.8	0.0
-20°	3.9	2.8	1.7	1.5	0.8	0.8	0.0



REPORT NUMBER: P220384 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	3.8	2.7	1.7	1.5	0.8	0.7	0.0
-25°	3.7	2.5	1.7	1.4	0.8	0.7	0.0
-27.5°	3.6	2.4	1.7	1.4	0.8	0.7	0.0
-30°	3.5	2.2	1.7	1.3	0.8	0.7	0.0
-32.5°	3.3	2.0	1.7	1.3	0.8	0.7	0.0
-35°	3.1	1.8	1.7	1.2	0.8	0.7	0.0
-37.5°	2.9	1.7	1.7	1.1	0.8	0.6	0.0
-40°	2.6	1.7	1.7	1.1	0.8	0.6	0.0
-42.5°	2.3	1.7	1.6	1.0	0.8	0.6	0.0
-45°	2.0	1.7	1.5	0.9	0.8	0.6	0.0
-47.5°	1.7	1.7	1.4	0.8	0.8	0.5	0.0
-50°	1.7	1.7	1.3	0.8	0.8	0.5	0.0
-52.5°	1.7	1.7	1.2	0.8	0.8	0.5	0.0
-55°	1.7	1.6	1.1	0.8	0.8	0.5	0.0
-57.5°	1.7	1.4	0.9	0.8	0.8	0.4	0.0
-60°	1.7	1.2	0.8	0.8	0.8	0.4	0.0
-62.5°	1.5	1.1	0.8	0.8	0.7	0.4	0.0
-65°	1.3	0.9	0.8	0.8	0.7	0.3	0.0
-67.5°	1.0	0.8	0.8	0.8	0.6	0.3	0.0
-70°	0.8	0.8	0.8	0.8	0.5	0.3	0.0
-72.5°	0.8	0.8	0.8	0.7	0.5	0.2	0.0
-75°	0.8	0.8	0.8	0.6	0.4	0.2	0.0
-77.5°	0.8	0.8	0.7	0.5	0.3	0.2	0.0
-80°	0.8	0.7	0.6	0.4	0.3	0.1	0.0
-82.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
-85°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
-87.5°	0.2	0.2	0.1	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)