

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: P220335 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220335 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)  
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]-LED3597-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,  
WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

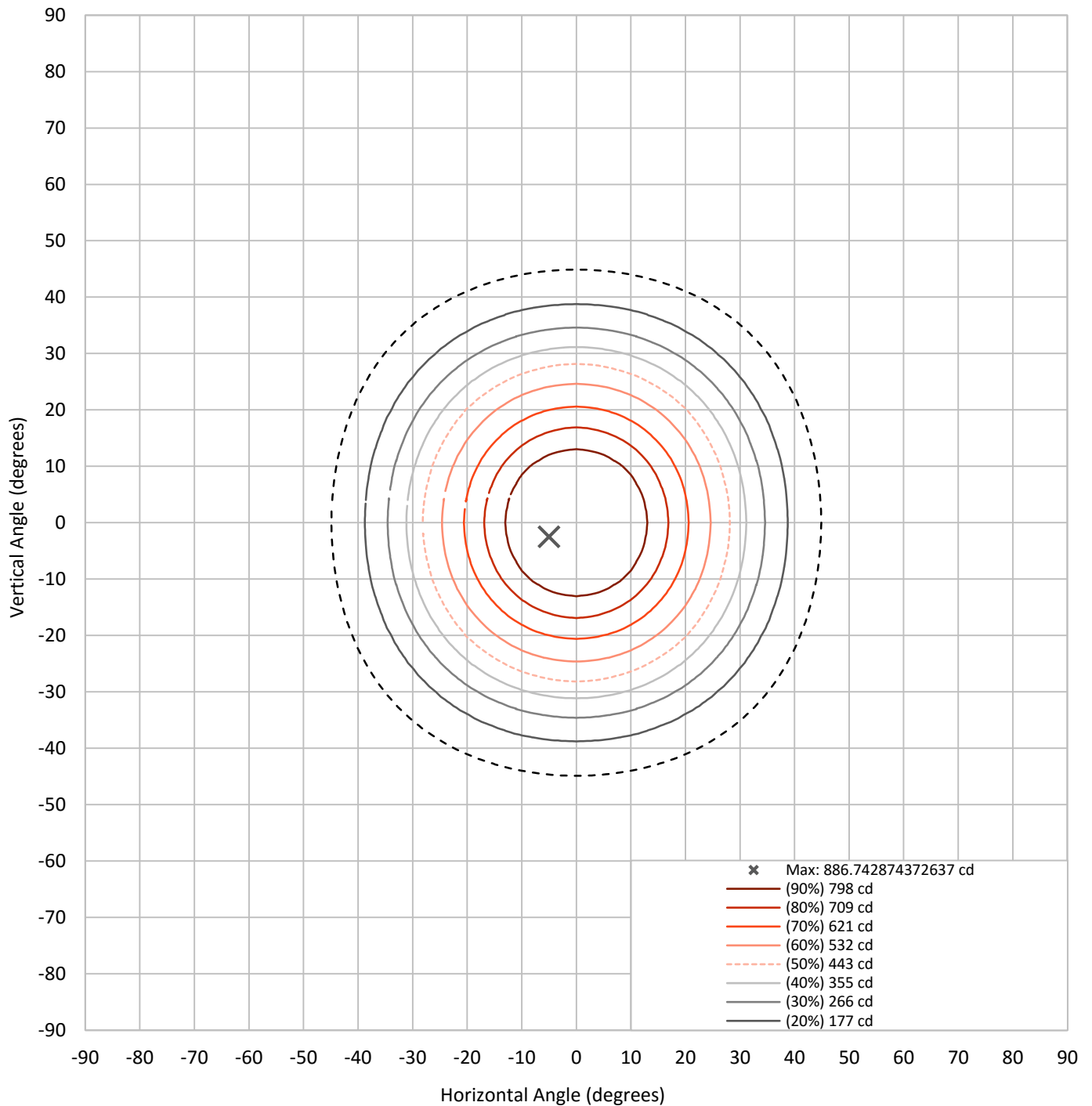
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	785.8 lumens	Max Intensity:	886.7 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	78.6 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:	486.1 lumens	Field Lumens:	733.7 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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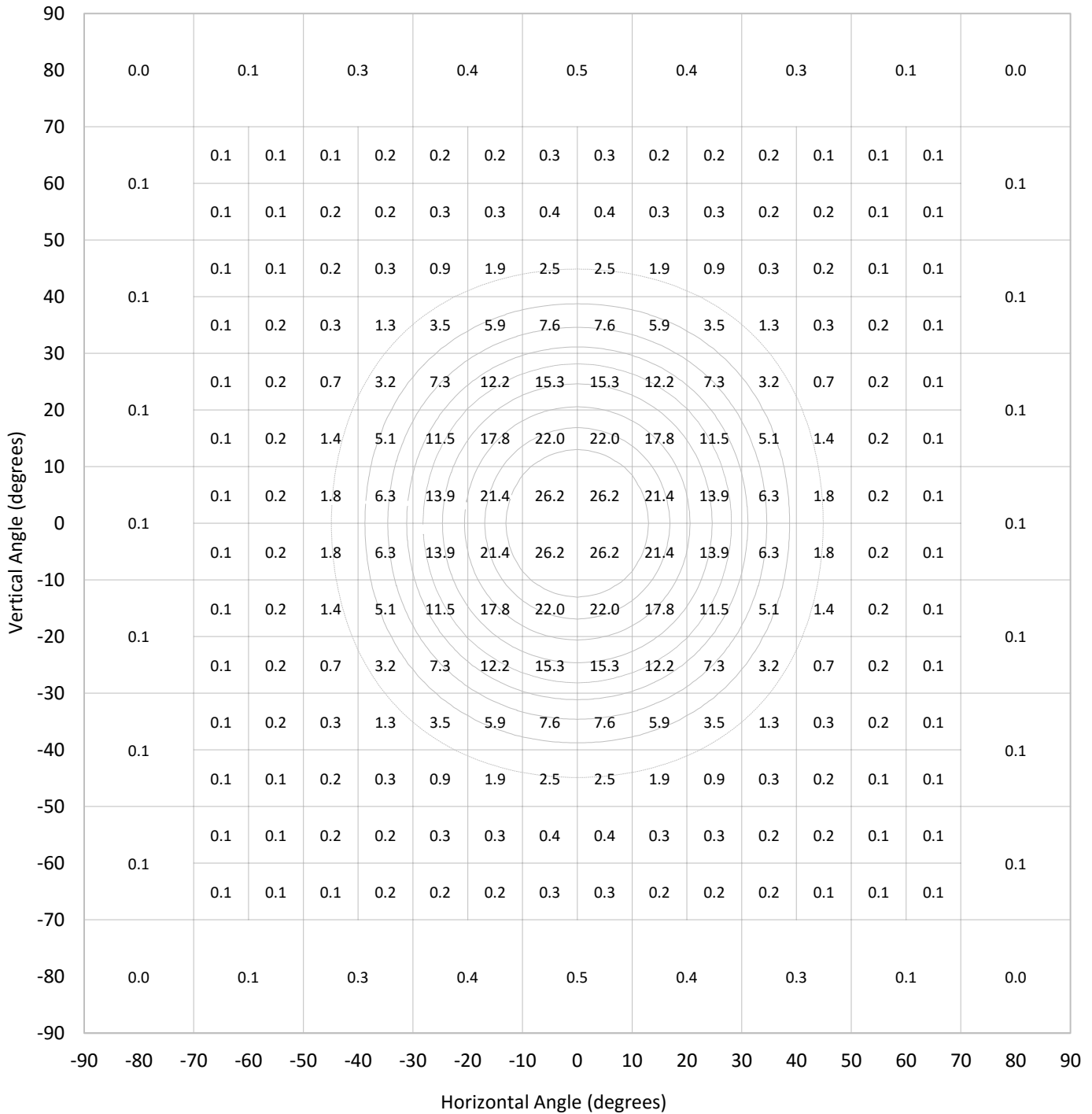
### Iso-Candela Plot





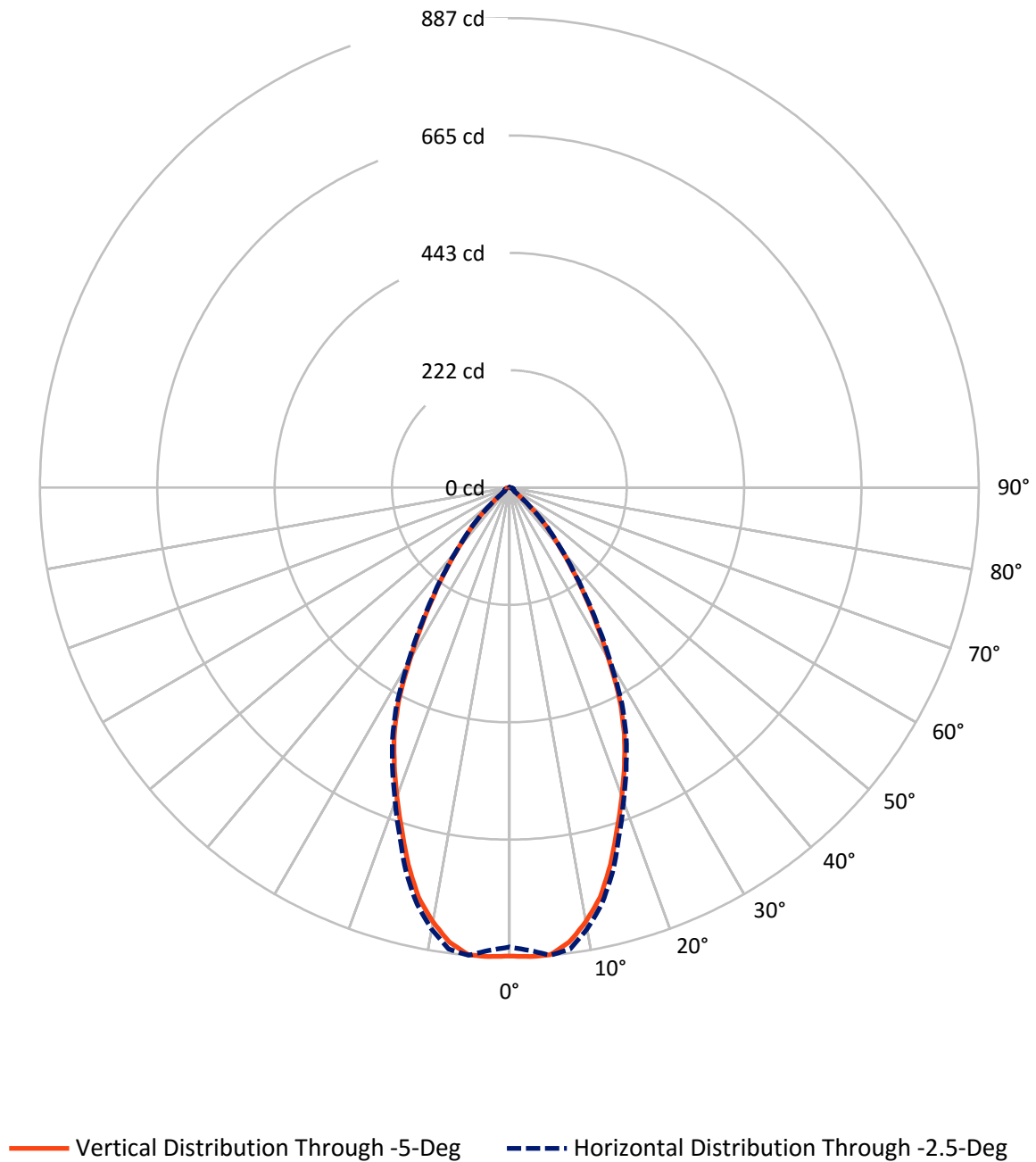
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### Lumen Table



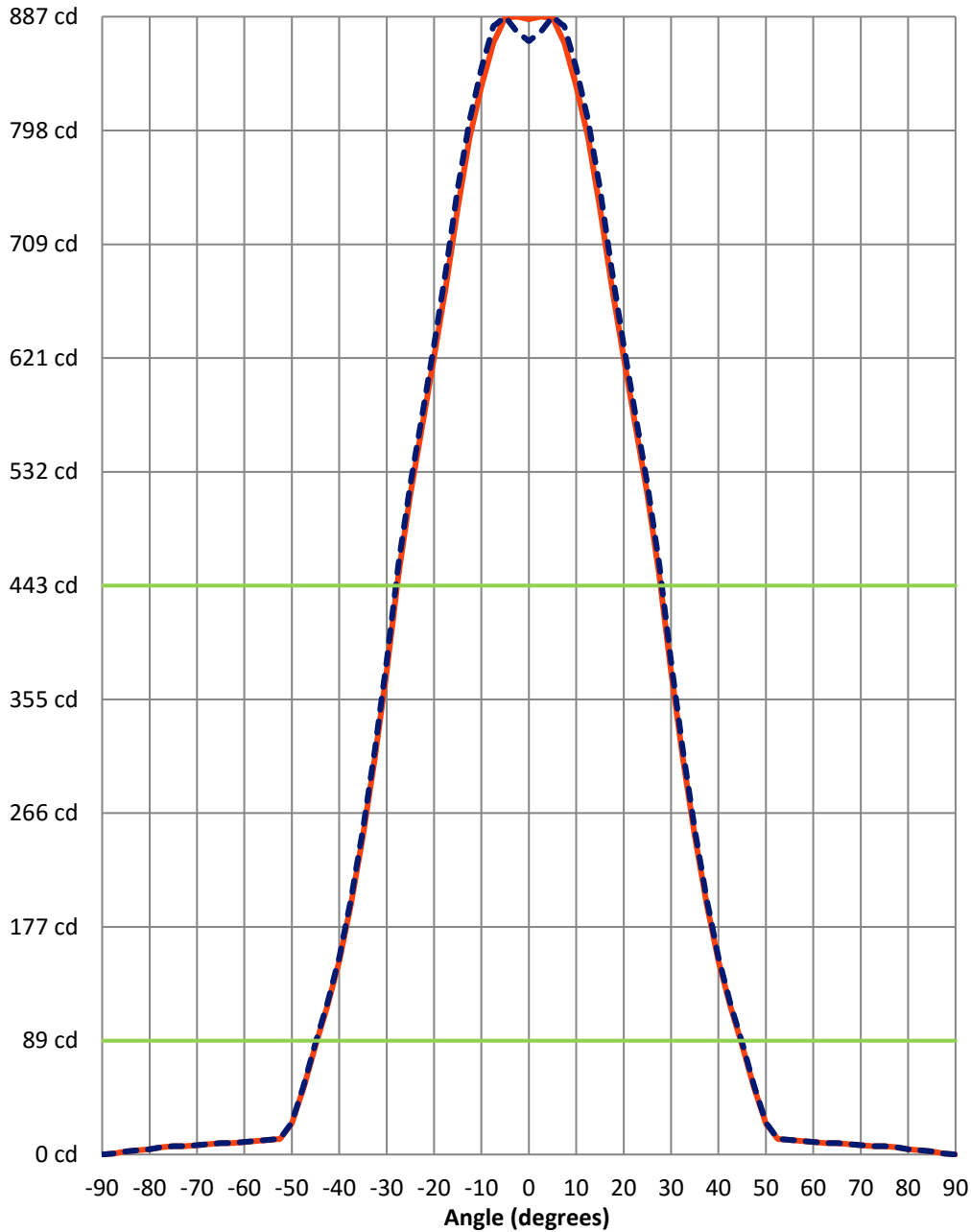
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 56.1°  
 V Angle: 55.5°  
 Lumens: 486.1  
 Efficiency: 61.9%

**Field:**  
 H Angle: 89.7°  
 V Angle: 89.4°  
 Lumens: 733.7  
 Efficiency: 93.4%

**Spill:**  
 Lumens: 52.1  
 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	0.1	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	1.0	1.2
80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.1	1.4	1.6	1.9
77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.3	1.6	1.9	2.2	2.5
75°	0.0	0.2	0.4	0.6	0.8	1.3	1.7	2.1	2.4	2.6	2.9
72.5°	0.0	0.2	0.5	0.7	1.1	1.6	2.1	2.5	2.7	3.0	3.2
70°	0.0	0.3	0.5	0.8	1.4	1.9	2.4	2.7	3.0	3.3	3.6
67.5°	0.0	0.3	0.6	1.0	1.6	2.2	2.6	3.0	3.3	3.6	3.9
65°	0.0	0.3	0.7	1.2	1.9	2.5	2.9	3.2	3.6	3.9	4.3
62.5°	0.0	0.4	0.7	1.4	2.1	2.7	3.1	3.5	3.8	4.2	4.9
60°	0.0	0.4	0.8	1.6	2.4	2.8	3.3	3.7	4.1	4.8	5.5
57.5°	0.0	0.4	0.9	1.8	2.5	3.0	3.5	3.9	4.5	5.3	5.9
55°	0.0	0.5	1.0	1.9	2.7	3.2	3.6	4.1	4.9	5.8	6.2
52.5°	0.0	0.5	1.1	2.1	2.8	3.3	3.8	4.5	5.4	6.0	6.5
50°	0.0	0.5	1.3	2.3	2.9	3.5	4.0	4.8	5.8	6.3	6.5
47.5°	0.0	0.5	1.4	2.4	3.0	3.6	4.1	5.2	6.0	6.5	6.5
45°	0.0	0.6	1.5	2.5	3.1	3.7	4.4	5.6	6.2	6.5	6.5
42.5°	0.0	0.6	1.6	2.6	3.2	3.8	4.7	5.8	6.4	6.5	6.7
40°	0.0	0.6	1.7	2.7	3.3	4.0	5.0	6.0	6.5	6.5	6.9
37.5°	0.0	0.6	1.7	2.7	3.4	4.1	5.3	6.1	6.5	6.6	7.2
35°	0.0	0.7	1.8	2.8	3.5	4.2	5.5	6.3	6.5	6.7	7.4
32.5°	0.0	0.7	1.9	2.9	3.6	4.4	5.7	6.4	6.5	6.9	7.6
30°	0.0	0.7	2.0	2.9	3.7	4.6	5.8	6.5	6.5	7.1	7.8
27.5°	0.0	0.7	2.0	3.0	3.7	4.8	5.9	6.5	6.6	7.2	7.9
25°	0.0	0.7	2.1	3.0	3.8	4.9	6.0	6.5	6.7	7.4	8.1
22.5°	0.0	0.7	2.2	3.1	3.9	5.1	6.1	6.5	6.8	7.5	8.3
20°	0.0	0.8	2.2	3.1	3.9	5.2	6.2	6.5	6.9	7.6	8.4
17.5°	0.0	0.8	2.3	3.2	4.0	5.3	6.3	6.5	7.0	7.7	8.5
15°	0.0	0.8	2.3	3.2	4.0	5.4	6.3	6.5	7.1	7.8	8.6
12.5°	0.0	0.8	2.3	3.2	4.0	5.5	6.4	6.5	7.1	7.9	8.7
10°	0.0	0.8	2.4	3.3	4.1	5.6	6.4	6.5	7.2	8.0	8.8
7.5°	0.0	0.8	2.4	3.3	4.1	5.6	6.5	6.5	7.2	8.0	8.8
5°	0.0	0.8	2.4	3.3	4.1	5.7	6.5	6.5	7.3	8.1	8.9
2.5°	0.0	0.8	2.4	3.3	4.1	5.7	6.5	6.5	7.3	8.1	8.9
0°	0.0	0.8	2.4	3.3	4.1	5.7	6.5	6.5	7.3	8.1	8.9
-2.5°	0.0	0.8	2.4	3.3	4.1	5.7	6.5	6.5	7.3	8.1	8.9
-5°	0.0	0.8	2.4	3.3	4.1	5.7	6.5	6.5	7.3	8.1	8.9
-7.5°	0.0	0.8	2.4	3.3	4.1	5.6	6.5	6.5	7.2	8.0	8.8
-10°	0.0	0.8	2.4	3.3	4.1	5.6	6.4	6.5	7.2	8.0	8.8
-12.5°	0.0	0.8	2.3	3.2	4.0	5.5	6.4	6.5	7.1	7.9	8.7
-15°	0.0	0.8	2.3	3.2	4.0	5.4	6.3	6.5	7.1	7.8	8.6
-17.5°	0.0	0.8	2.3	3.2	4.0	5.3	6.3	6.5	7.0	7.7	8.5
-20°	0.0	0.8	2.2	3.1	3.9	5.2	6.2	6.5	6.9	7.6	8.4



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**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	2.2	3.1	3.9	5.1	6.1	6.5	6.8	7.5	8.3
-25°	0.0	0.7	2.1	3.0	3.8	4.9	6.0	6.5	6.7	7.4	8.1
-27.5°	0.0	0.7	2.0	3.0	3.7	4.8	5.9	6.5	6.6	7.2	7.9
-30°	0.0	0.7	2.0	2.9	3.7	4.6	5.8	6.5	6.5	7.1	7.8
-32.5°	0.0	0.7	1.9	2.9	3.6	4.4	5.7	6.4	6.5	6.9	7.6
-35°	0.0	0.7	1.8	2.8	3.5	4.2	5.5	6.3	6.5	6.7	7.4
-37.5°	0.0	0.6	1.7	2.7	3.4	4.1	5.3	6.1	6.5	6.6	7.2
-40°	0.0	0.6	1.7	2.7	3.3	4.0	5.0	6.0	6.5	6.5	6.9
-42.5°	0.0	0.6	1.6	2.6	3.2	3.8	4.7	5.8	6.4	6.5	6.7
-45°	0.0	0.6	1.5	2.5	3.1	3.7	4.4	5.6	6.2	6.5	6.5
-47.5°	0.0	0.5	1.4	2.4	3.0	3.6	4.1	5.2	6.0	6.5	6.5
-50°	0.0	0.5	1.3	2.3	2.9	3.5	4.0	4.8	5.8	6.3	6.5
-52.5°	0.0	0.5	1.1	2.1	2.8	3.3	3.8	4.5	5.4	6.0	6.5
-55°	0.0	0.5	1.0	1.9	2.7	3.2	3.6	4.1	4.9	5.8	6.2
-57.5°	0.0	0.4	0.9	1.8	2.5	3.0	3.5	3.9	4.5	5.3	5.9
-60°	0.0	0.4	0.8	1.6	2.4	2.8	3.3	3.7	4.1	4.8	5.5
-62.5°	0.0	0.4	0.7	1.4	2.1	2.7	3.1	3.5	3.8	4.2	4.9
-65°	0.0	0.3	0.7	1.2	1.9	2.5	2.9	3.2	3.6	3.9	4.3
-67.5°	0.0	0.3	0.6	1.0	1.6	2.2	2.6	3.0	3.3	3.6	3.9
-70°	0.0	0.3	0.5	0.8	1.4	1.9	2.4	2.7	3.0	3.3	3.6
-72.5°	0.0	0.2	0.5	0.7	1.1	1.6	2.1	2.5	2.7	3.0	3.2
-75°	0.0	0.2	0.4	0.6	0.8	1.3	1.7	2.1	2.4	2.6	2.9
-77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.3	1.6	1.9	2.2	2.5
-80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.1	1.4	1.6	1.9
-82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1.0	1.2
-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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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	0.4	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	0.9	1.0	1.1	1.3	1.4	1.5	1.6	1.7	1.7
82.5°	1.4	1.6	1.8	1.9	2.1	2.3	2.4	2.5	2.6	2.7	2.7
80°	2.1	2.4	2.5	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4
77.5°	2.7	2.8	3.0	3.2	3.3	3.5	3.6	3.7	3.8	4.0	4.1
75°	3.1	3.3	3.5	3.6	3.8	4.0	4.1	4.4	4.7	5.0	5.3
72.5°	3.5	3.7	3.9	4.1	4.5	4.8	5.2	5.6	5.8	6.0	6.1
70°	3.8	4.1	4.5	4.9	5.4	5.8	6.0	6.2	6.4	6.5	6.5
67.5°	4.2	4.8	5.3	5.8	6.0	6.3	6.5	6.5	6.5	6.5	6.6
65°	4.9	5.5	5.9	6.2	6.5	6.5	6.5	6.5	6.7	6.9	7.2
62.5°	5.6	6.0	6.3	6.5	6.5	6.5	6.7	7.0	7.3	7.5	7.8
60°	6.0	6.3	6.5	6.5	6.6	6.9	7.2	7.5	7.8	8.1	8.4
57.5°	6.3	6.5	6.5	6.6	7.0	7.4	7.7	8.0	8.4	8.7	8.9
55°	6.5	6.5	6.6	7.0	7.4	7.8	8.2	8.6	8.9	8.9	8.9
52.5°	6.5	6.6	7.0	7.4	7.9	8.3	8.7	8.9	8.9	9.0	9.4
50°	6.5	6.9	7.4	7.8	8.3	8.7	8.9	8.9	9.2	9.6	10.0
47.5°	6.7	7.2	7.7	8.2	8.7	8.9	8.9	9.3	9.8	10.2	10.6
45°	7.0	7.5	8.0	8.6	8.9	8.9	9.3	9.8	10.3	10.7	11.1
42.5°	7.3	7.8	8.4	8.9	8.9	9.2	9.8	10.3	10.7	11.2	11.7
40°	7.5	8.1	8.7	8.9	9.0	9.6	10.2	10.7	11.2	11.7	12.2
37.5°	7.8	8.4	8.9	8.9	9.4	10.0	10.6	11.1	11.7	12.2	20.0
35°	8.0	8.6	8.9	9.1	9.8	10.4	11.0	11.5	12.1	19.3	31.4
32.5°	8.2	8.9	8.9	9.4	10.1	10.7	11.3	11.9	17.1	28.1	48.5
30°	8.4	8.9	9.0	9.7	10.4	11.0	11.7	13.6	23.5	43.4	66.4
27.5°	8.6	8.9	9.2	10.0	10.7	11.3	12.0	19.2	35.0	58.5	84.1
25°	8.8	8.9	9.5	10.2	10.9	11.6	13.5	24.4	47.7	74.0	99.8
22.5°	8.9	8.9	9.7	10.4	11.2	11.9	18.0	34.4	60.2	88.4	114.1
20°	8.9	9.1	9.9	10.6	11.4	12.1	22.1	44.4	72.5	100.6	128.7
17.5°	8.9	9.3	10.1	10.8	11.6	13.8	26.5	53.3	83.5	111.6	142.5
15°	8.9	9.4	10.2	11.0	11.7	16.8	33.8	62.1	92.9	121.8	154.9
12.5°	8.9	9.5	10.3	11.1	11.9	19.3	40.0	69.9	100.6	131.6	168.6
10°	8.9	9.6	10.4	11.2	12.0	21.4	45.1	76.3	107.0	139.7	180.0
7.5°	8.9	9.7	10.5	11.3	12.1	23.1	49.2	81.3	112.0	146.1	189.0
5°	8.9	9.8	10.6	11.4	12.1	24.2	52.1	84.9	115.7	150.7	195.5
2.5°	8.9	9.8	10.6	11.4	12.2	25.0	53.8	87.1	117.9	153.5	199.4
0°	8.9	9.8	10.6	11.4	12.2	25.2	54.4	87.8	118.6	154.4	200.7
-2.5°	8.9	9.8	10.6	11.4	12.2	25.0	53.8	87.1	117.9	153.5	199.4
-5°	8.9	9.8	10.6	11.4	12.1	24.2	52.1	84.9	115.7	150.7	195.5
-7.5°	8.9	9.7	10.5	11.3	12.1	23.1	49.2	81.3	112.0	146.1	189.0
-10°	8.9	9.6	10.4	11.2	12.0	21.4	45.1	76.3	107.0	139.7	180.0
-12.5°	8.9	9.5	10.3	11.1	11.9	19.3	40.0	69.9	100.6	131.6	168.6
-15°	8.9	9.4	10.2	11.0	11.7	16.8	33.8	62.1	92.9	121.8	154.9
-17.5°	8.9	9.3	10.1	10.8	11.6	13.8	26.5	53.3	83.5	111.6	142.5
-20°	8.9	9.1	9.9	10.6	11.4	12.1	22.1	44.4	72.5	100.6	128.7



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	8.9	8.9	9.7	10.4	11.2	11.9	18.0	34.4	60.2	88.4	114.1
-25°	8.8	8.9	9.5	10.2	10.9	11.6	13.5	24.4	47.7	74.0	99.8
-27.5°	8.6	8.9	9.2	10.0	10.7	11.3	12.0	19.2	35.0	58.5	84.1
-30°	8.4	8.9	9.0	9.7	10.4	11.0	11.7	13.6	23.5	43.4	66.4
-32.5°	8.2	8.9	8.9	9.4	10.1	10.7	11.3	11.9	17.1	28.1	48.5
-35°	8.0	8.6	8.9	9.1	9.8	10.4	11.0	11.5	12.1	19.3	31.4
-37.5°	7.8	8.4	8.9	8.9	9.4	10.0	10.6	11.1	11.7	12.2	20.0
-40°	7.5	8.1	8.7	8.9	9.0	9.6	10.2	10.7	11.2	11.7	12.2
-42.5°	7.3	7.8	8.4	8.9	8.9	9.2	9.8	10.3	10.7	11.2	11.7
-45°	7.0	7.5	8.0	8.6	8.9	8.9	9.3	9.8	10.3	10.7	11.1
-47.5°	6.7	7.2	7.7	8.2	8.7	8.9	8.9	9.3	9.8	10.2	10.6
-50°	6.5	6.9	7.4	7.8	8.3	8.7	8.9	8.9	9.2	9.6	10.0
-52.5°	6.5	6.6	7.0	7.4	7.9	8.3	8.7	8.9	8.9	9.0	9.4
-55°	6.5	6.5	6.6	7.0	7.4	7.8	8.2	8.6	8.9	8.9	8.9
-57.5°	6.3	6.5	6.5	6.6	7.0	7.4	7.7	8.0	8.4	8.7	8.9
-60°	6.0	6.3	6.5	6.5	6.6	6.9	7.2	7.5	7.8	8.1	8.4
-62.5°	5.6	6.0	6.3	6.5	6.5	6.5	6.7	7.0	7.3	7.5	7.8
-65°	4.9	5.5	5.9	6.2	6.5	6.5	6.5	6.5	6.7	6.9	7.2
-67.5°	4.2	4.8	5.3	5.8	6.0	6.3	6.5	6.5	6.5	6.5	6.6
-70°	3.8	4.1	4.5	4.9	5.4	5.8	6.0	6.2	6.4	6.5	6.5
-72.5°	3.5	3.7	3.9	4.1	4.5	4.8	5.2	5.6	5.8	6.0	6.1
-75°	3.1	3.3	3.5	3.6	3.8	4.0	4.1	4.4	4.7	5.0	5.3
-77.5°	2.7	2.8	3.0	3.2	3.3	3.5	3.6	3.7	3.8	4.0	4.1
-80°	2.1	2.4	2.5	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4
-82.5°	1.4	1.6	1.8	1.9	2.1	2.3	2.4	2.5	2.6	2.7	2.7
-85°	0.7	0.8	0.9	1.0	1.1	1.3	1.4	1.5	1.6	1.7	1.7
-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: P220335 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
85°	1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.3	2.4
82.5°	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.3
80°	3.5	3.6	3.7	3.7	3.8	3.9	3.9	4.0	4.0	4.0	4.1
77.5°	4.2	4.4	4.6	4.8	4.9	5.1	5.2	5.3	5.4	5.5	5.6
75°	5.5	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.4	6.4
72.5°	6.3	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
70°	6.5	6.5	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2
67.5°	6.7	6.9	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9	8.0
65°	7.4	7.6	7.8	7.9	8.1	8.3	8.4	8.5	8.6	8.7	8.8
62.5°	8.0	8.2	8.4	8.6	8.8	8.9	8.9	8.9	8.9	8.9	8.9
60°	8.6	8.9	8.9	8.9	8.9	8.9	9.1	9.3	9.4	9.5	9.6
57.5°	8.9	8.9	9.0	9.2	9.5	9.7	9.9	10.1	10.2	10.3	10.4
55°	9.1	9.4	9.7	10.0	10.2	10.4	10.6	10.8	11.0	11.1	11.2
52.5°	9.8	10.1	10.4	10.7	10.9	11.2	11.4	11.6	11.7	11.9	12.0
50°	10.4	10.7	11.0	11.3	11.6	11.9	12.1	13.8	16.8	19.3	21.4
47.5°	11.0	11.3	11.7	12.0	13.5	18.0	22.1	26.5	33.8	40.0	45.1
45°	11.5	11.9	13.6	19.2	24.4	34.4	44.4	53.3	62.1	69.9	76.3
42.5°	12.1	17.1	23.5	35.0	47.7	60.2	72.5	83.5	92.9	100.6	107.0
40°	19.3	28.1	43.4	58.5	74.0	88.4	100.6	111.6	121.8	131.6	139.7
37.5°	31.4	48.5	66.4	84.1	99.8	114.1	128.7	142.5	154.9	168.6	180.0
35°	50.3	70.4	90.1	107.5	124.9	142.7	160.5	179.8	197.0	213.9	228.5
32.5°	70.4	92.0	111.5	131.9	152.3	176.4	199.3	223.5	245.4	265.6	283.7
30°	90.1	111.5	134.2	157.9	186.1	214.6	243.5	272.0	299.0	323.2	345.6
27.5°	107.5	131.9	157.9	189.3	222.6	255.9	291.2	324.6	357.7	386.7	412.3
25°	124.9	152.3	186.1	222.6	260.7	301.0	341.8	381.5	419.2	455.7	481.9
22.5°	142.7	176.4	214.6	255.9	301.0	347.7	394.0	441.9	481.4	511.7	535.5
20°	160.5	199.3	243.5	291.2	341.8	394.0	449.6	493.6	529.0	558.5	584.0
17.5°	179.8	223.5	272.0	324.6	381.5	441.9	493.6	534.7	570.3	603.7	632.2
15°	197.0	245.4	299.0	357.7	419.2	481.4	529.0	570.3	610.5	646.7	681.8
12.5°	213.9	265.6	323.2	386.7	455.7	511.7	558.5	603.7	646.7	690.8	733.2
10°	228.5	283.7	345.6	412.3	481.9	535.5	584.0	632.2	681.8	733.2	779.2
7.5°	240.0	298.1	363.4	435.1	501.3	554.1	605.7	656.7	713.1	768.8	810.5
5°	248.4	308.5	376.3	451.6	514.3	567.6	621.3	676.5	737.5	792.5	832.5
2.5°	253.4	314.8	384.2	460.3	522.2	576.1	630.6	689.2	752.8	805.8	846.6
0°	255.1	316.9	386.8	463.2	524.9	579.0	633.8	693.5	758.1	810.1	851.5
-2.5°	253.4	314.8	384.2	460.3	522.2	576.1	630.6	689.2	752.8	805.8	846.6
-5°	248.4	308.5	376.3	451.6	514.3	567.6	621.3	676.5	737.5	792.5	832.5
-7.5°	240.0	298.1	363.4	435.1	501.3	554.1	605.7	656.7	713.1	768.8	810.5
-10°	228.5	283.7	345.6	412.3	481.9	535.5	584.0	632.2	681.8	733.2	779.2
-12.5°	213.9	265.6	323.2	386.7	455.7	511.7	558.5	603.7	646.7	690.8	733.2
-15°	197.0	245.4	299.0	357.7	419.2	481.4	529.0	570.3	610.5	646.7	681.8
-17.5°	179.8	223.5	272.0	324.6	381.5	441.9	493.6	534.7	570.3	603.7	632.2
-20°	160.5	199.3	243.5	291.2	341.8	394.0	449.6	493.6	529.0	558.5	584.0



REPORT NUMBER: P220335 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	142.7	176.4	214.6	255.9	301.0	347.7	394.0	441.9	481.4	511.7	535.5
-25°	124.9	152.3	186.1	222.6	260.7	301.0	341.8	381.5	419.2	455.7	481.9
-27.5°	107.5	131.9	157.9	189.3	222.6	255.9	291.2	324.6	357.7	386.7	412.3
-30°	90.1	111.5	134.2	157.9	186.1	214.6	243.5	272.0	299.0	323.2	345.6
-32.5°	70.4	92.0	111.5	131.9	152.3	176.4	199.3	223.5	245.4	265.6	283.7
-35°	50.3	70.4	90.1	107.5	124.9	142.7	160.5	179.8	197.0	213.9	228.5
-37.5°	31.4	48.5	66.4	84.1	99.8	114.1	128.7	142.5	154.9	168.6	180.0
-40°	19.3	28.1	43.4	58.5	74.0	88.4	100.6	111.6	121.8	131.6	139.7
-42.5°	12.1	17.1	23.5	35.0	47.7	60.2	72.5	83.5	92.9	100.6	107.0
-45°	11.5	11.9	13.6	19.2	24.4	34.4	44.4	53.3	62.1	69.9	76.3
-47.5°	11.0	11.3	11.7	12.0	13.5	18.0	22.1	26.5	33.8	40.0	45.1
-50°	10.4	10.7	11.0	11.3	11.6	11.9	12.1	13.8	16.8	19.3	21.4
-52.5°	9.8	10.1	10.4	10.7	10.9	11.2	11.4	11.6	11.7	11.9	12.0
-55°	9.1	9.4	9.7	10.0	10.2	10.4	10.6	10.8	11.0	11.1	11.2
-57.5°	8.9	8.9	9.0	9.2	9.5	9.7	9.9	10.1	10.2	10.3	10.4
-60°	8.6	8.9	8.9	8.9	8.9	8.9	9.1	9.3	9.4	9.5	9.6
-62.5°	8.0	8.2	8.4	8.6	8.8	8.9	8.9	8.9	8.9	8.9	8.9
-65°	7.4	7.6	7.8	7.9	8.1	8.3	8.4	8.5	8.6	8.7	8.8
-67.5°	6.7	6.9	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9	8.0
-70°	6.5	6.5	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2
-72.5°	6.3	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-75°	5.5	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.4	6.4
-77.5°	4.2	4.4	4.6	4.8	4.9	5.1	5.2	5.3	5.4	5.5	5.6
-80°	3.5	3.6	3.7	3.7	3.8	3.9	3.9	4.0	4.0	4.0	4.1
-82.5°	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.3
-85°	1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.3	2.4
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
-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: P220335 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2
80°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0
77.5°	5.6	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.3
75°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.4	6.4	6.3	6.3
72.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
70°	7.2	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.1	7.0
67.5°	8.0	8.1	8.1	8.1	8.1	8.1	8.0	8.0	7.9	7.8	7.7
65°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.5
62.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
60°	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.6	9.5	9.4	9.3
57.5°	10.5	10.6	10.6	10.6	10.6	10.6	10.5	10.4	10.3	10.2	10.1
55°	11.3	11.4	11.4	11.4	11.4	11.4	11.3	11.2	11.1	11.0	10.8
52.5°	12.1	12.1	12.2	12.2	12.2	12.1	12.1	12.0	11.9	11.7	11.6
50°	23.1	24.2	25.0	25.2	25.0	24.2	23.1	21.4	19.3	16.8	13.8
47.5°	49.2	52.1	53.8	54.4	53.8	52.1	49.2	45.1	40.0	33.8	26.5
45°	81.3	84.9	87.1	87.8	87.1	84.9	81.3	76.3	69.9	62.1	53.3
42.5°	112.0	115.7	117.9	118.6	117.9	115.7	112.0	107.0	100.6	92.9	83.5
40°	146.1	150.7	153.5	154.4	153.5	150.7	146.1	139.7	131.6	121.8	111.6
37.5°	189.0	195.5	199.4	200.7	199.4	195.5	189.0	180.0	168.6	154.9	142.5
35°	240.0	248.4	253.4	255.1	253.4	248.4	240.0	228.5	213.9	197.0	179.8
32.5°	298.1	308.5	314.8	316.9	314.8	308.5	298.1	283.7	265.6	245.4	223.5
30°	363.4	376.3	384.2	386.8	384.2	376.3	363.4	345.6	323.2	299.0	272.0
27.5°	435.1	451.6	460.3	463.2	460.3	451.6	435.1	412.3	386.7	357.7	324.6
25°	501.3	514.3	522.2	524.9	522.2	514.3	501.3	481.9	455.7	419.2	381.5
22.5°	554.1	567.6	576.1	579.0	576.1	567.6	554.1	535.5	511.7	481.4	441.9
20°	605.7	621.3	630.6	633.8	630.6	621.3	605.7	584.0	558.5	529.0	493.6
17.5°	656.7	676.5	689.2	693.5	689.2	676.5	656.7	632.2	603.7	570.3	534.7
15°	713.1	737.5	752.8	758.1	752.8	737.5	713.1	681.8	646.7	610.5	570.3
12.5°	768.8	792.5	805.8	810.1	805.8	792.5	768.8	733.2	690.8	646.7	603.7
10°	810.5	832.5	846.6	851.5	846.6	832.5	810.5	779.2	733.2	681.8	632.2
7.5°	841.9	866.1	879.1	882.4	879.1	866.1	841.9	810.5	768.8	713.1	656.7
5°	866.1	886.0	886.7	884.8	886.7	886.0	866.1	832.5	792.5	737.5	676.5
2.5°	879.1	886.7	874.9	867.8	874.9	886.7	879.1	846.6	805.8	752.8	689.2
0°	882.4	884.8	867.8	865.3	867.8	884.8	882.4	851.5	810.1	758.1	693.5
-2.5°	879.1	886.7	874.9	867.8	874.9	886.7	879.1	846.6	805.8	752.8	689.2
-5°	866.1	886.0	886.7	884.8	886.7	886.0	866.1	832.5	792.5	737.5	676.5
-7.5°	841.9	866.1	879.1	882.4	879.1	866.1	841.9	810.5	768.8	713.1	656.7
-10°	810.5	832.5	846.6	851.5	846.6	832.5	810.5	779.2	733.2	681.8	632.2
-12.5°	768.8	792.5	805.8	810.1	805.8	792.5	768.8	733.2	690.8	646.7	603.7
-15°	713.1	737.5	752.8	758.1	752.8	737.5	713.1	681.8	646.7	610.5	570.3
-17.5°	656.7	676.5	689.2	693.5	689.2	676.5	656.7	632.2	603.7	570.3	534.7
-20°	605.7	621.3	630.6	633.8	630.6	621.3	605.7	584.0	558.5	529.0	493.6



REPORT NUMBER: P220335 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	554.1	567.6	576.1	579.0	576.1	567.6	554.1	535.5	511.7	481.4	441.9
-25°	501.3	514.3	522.2	524.9	522.2	514.3	501.3	481.9	455.7	419.2	381.5
-27.5°	435.1	451.6	460.3	463.2	460.3	451.6	435.1	412.3	386.7	357.7	324.6
-30°	363.4	376.3	384.2	386.8	384.2	376.3	363.4	345.6	323.2	299.0	272.0
-32.5°	298.1	308.5	314.8	316.9	314.8	308.5	298.1	283.7	265.6	245.4	223.5
-35°	240.0	248.4	253.4	255.1	253.4	248.4	240.0	228.5	213.9	197.0	179.8
-37.5°	189.0	195.5	199.4	200.7	199.4	195.5	189.0	180.0	168.6	154.9	142.5
-40°	146.1	150.7	153.5	154.4	153.5	150.7	146.1	139.7	131.6	121.8	111.6
-42.5°	112.0	115.7	117.9	118.6	117.9	115.7	112.0	107.0	100.6	92.9	83.5
-45°	81.3	84.9	87.1	87.8	87.1	84.9	81.3	76.3	69.9	62.1	53.3
-47.5°	49.2	52.1	53.8	54.4	53.8	52.1	49.2	45.1	40.0	33.8	26.5
-50°	23.1	24.2	25.0	25.2	25.0	24.2	23.1	21.4	19.3	16.8	13.8
-52.5°	12.1	12.1	12.2	12.2	12.2	12.1	12.1	12.0	11.9	11.7	11.6
-55°	11.3	11.4	11.4	11.4	11.4	11.4	11.3	11.2	11.1	11.0	10.8
-57.5°	10.5	10.6	10.6	10.6	10.6	10.6	10.5	10.4	10.3	10.2	10.1
-60°	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.6	9.5	9.4	9.3
-62.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
-65°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.5
-67.5°	8.0	8.1	8.1	8.1	8.1	8.1	8.0	8.0	7.9	7.8	7.7
-70°	7.2	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.1	7.0
-72.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-75°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.4	6.4	6.3	6.3
-77.5°	5.6	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.3
-80°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0
-82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2
-85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3
-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: P220335 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
85°	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.7	1.6	1.5
82.5°	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6	2.5
80°	3.9	3.9	3.8	3.7	3.7	3.6	3.5	3.4	3.3	3.2	3.1
77.5°	5.2	5.1	4.9	4.8	4.6	4.4	4.2	4.1	4.0	3.8	3.7
75°	6.2	6.1	6.0	5.9	5.8	5.7	5.5	5.3	5.0	4.7	4.4
72.5°	6.5	6.5	6.5	6.5	6.5	6.4	6.3	6.1	6.0	5.8	5.6
70°	6.9	6.8	6.7	6.6	6.5	6.5	6.5	6.5	6.5	6.4	6.2
67.5°	7.6	7.5	7.4	7.2	7.1	6.9	6.7	6.6	6.5	6.5	6.5
65°	8.4	8.3	8.1	7.9	7.8	7.6	7.4	7.2	6.9	6.7	6.5
62.5°	8.9	8.9	8.8	8.6	8.4	8.2	8.0	7.8	7.5	7.3	7.0
60°	9.1	8.9	8.9	8.9	8.9	8.9	8.6	8.4	8.1	7.8	7.5
57.5°	9.9	9.7	9.5	9.2	9.0	8.9	8.9	8.9	8.7	8.4	8.0
55°	10.6	10.4	10.2	10.0	9.7	9.4	9.1	8.9	8.9	8.9	8.6
52.5°	11.4	11.2	10.9	10.7	10.4	10.1	9.8	9.4	9.0	8.9	8.9
50°	12.1	11.9	11.6	11.3	11.0	10.7	10.4	10.0	9.6	9.2	8.9
47.5°	22.1	18.0	13.5	12.0	11.7	11.3	11.0	10.6	10.2	9.8	9.3
45°	44.4	34.4	24.4	19.2	13.6	11.9	11.5	11.1	10.7	10.3	9.8
42.5°	72.5	60.2	47.7	35.0	23.5	17.1	12.1	11.7	11.2	10.7	10.3
40°	100.6	88.4	74.0	58.5	43.4	28.1	19.3	12.2	11.7	11.2	10.7
37.5°	128.7	114.1	99.8	84.1	66.4	48.5	31.4	20.0	12.2	11.7	11.1
35°	160.5	142.7	124.9	107.5	90.1	70.4	50.3	31.4	19.3	12.1	11.5
32.5°	199.3	176.4	152.3	131.9	111.5	92.0	70.4	48.5	28.1	17.1	11.9
30°	243.5	214.6	186.1	157.9	134.2	111.5	90.1	66.4	43.4	23.5	13.6
27.5°	291.2	255.9	222.6	189.3	157.9	131.9	107.5	84.1	58.5	35.0	19.2
25°	341.8	301.0	260.7	222.6	186.1	152.3	124.9	99.8	74.0	47.7	24.4
22.5°	394.0	347.7	301.0	255.9	214.6	176.4	142.7	114.1	88.4	60.2	34.4
20°	449.6	394.0	341.8	291.2	243.5	199.3	160.5	128.7	100.6	72.5	44.4
17.5°	493.6	441.9	381.5	324.6	272.0	223.5	179.8	142.5	111.6	83.5	53.3
15°	529.0	481.4	419.2	357.7	299.0	245.4	197.0	154.9	121.8	92.9	62.1
12.5°	558.5	511.7	455.7	386.7	323.2	265.6	213.9	168.6	131.6	100.6	69.9
10°	584.0	535.5	481.9	412.3	345.6	283.7	228.5	180.0	139.7	107.0	76.3
7.5°	605.7	554.1	501.3	435.1	363.4	298.1	240.0	189.0	146.1	112.0	81.3
5°	621.3	567.6	514.3	451.6	376.3	308.5	248.4	195.5	150.7	115.7	84.9
2.5°	630.6	576.1	522.2	460.3	384.2	314.8	253.4	199.4	153.5	117.9	87.1
0°	633.8	579.0	524.9	463.2	386.8	316.9	255.1	200.7	154.4	118.6	87.8
-2.5°	630.6	576.1	522.2	460.3	384.2	314.8	253.4	199.4	153.5	117.9	87.1
-5°	621.3	567.6	514.3	451.6	376.3	308.5	248.4	195.5	150.7	115.7	84.9
-7.5°	605.7	554.1	501.3	435.1	363.4	298.1	240.0	189.0	146.1	112.0	81.3
-10°	584.0	535.5	481.9	412.3	345.6	283.7	228.5	180.0	139.7	107.0	76.3
-12.5°	558.5	511.7	455.7	386.7	323.2	265.6	213.9	168.6	131.6	100.6	69.9
-15°	529.0	481.4	419.2	357.7	299.0	245.4	197.0	154.9	121.8	92.9	62.1
-17.5°	493.6	441.9	381.5	324.6	272.0	223.5	179.8	142.5	111.6	83.5	53.3
-20°	449.6	394.0	341.8	291.2	243.5	199.3	160.5	128.7	100.6	72.5	44.4



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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°	394.0	347.7	301.0	255.9	214.6	176.4	142.7	114.1	88.4	60.2	34.4
-25°	341.8	301.0	260.7	222.6	186.1	152.3	124.9	99.8	74.0	47.7	24.4
-27.5°	291.2	255.9	222.6	189.3	157.9	131.9	107.5	84.1	58.5	35.0	19.2
-30°	243.5	214.6	186.1	157.9	134.2	111.5	90.1	66.4	43.4	23.5	13.6
-32.5°	199.3	176.4	152.3	131.9	111.5	92.0	70.4	48.5	28.1	17.1	11.9
-35°	160.5	142.7	124.9	107.5	90.1	70.4	50.3	31.4	19.3	12.1	11.5
-37.5°	128.7	114.1	99.8	84.1	66.4	48.5	31.4	20.0	12.2	11.7	11.1
-40°	100.6	88.4	74.0	58.5	43.4	28.1	19.3	12.2	11.7	11.2	10.7
-42.5°	72.5	60.2	47.7	35.0	23.5	17.1	12.1	11.7	11.2	10.7	10.3
-45°	44.4	34.4	24.4	19.2	13.6	11.9	11.5	11.1	10.7	10.3	9.8
-47.5°	22.1	18.0	13.5	12.0	11.7	11.3	11.0	10.6	10.2	9.8	9.3
-50°	12.1	11.9	11.6	11.3	11.0	10.7	10.4	10.0	9.6	9.2	8.9
-52.5°	11.4	11.2	10.9	10.7	10.4	10.1	9.8	9.4	9.0	8.9	8.9
-55°	10.6	10.4	10.2	10.0	9.7	9.4	9.1	8.9	8.9	8.9	8.6
-57.5°	9.9	9.7	9.5	9.2	9.0	8.9	8.9	8.9	8.7	8.4	8.0
-60°	9.1	8.9	8.9	8.9	8.9	8.9	8.6	8.4	8.1	7.8	7.5
-62.5°	8.9	8.9	8.8	8.6	8.4	8.2	8.0	7.8	7.5	7.3	7.0
-65°	8.4	8.3	8.1	7.9	7.8	7.6	7.4	7.2	6.9	6.7	6.5
-67.5°	7.6	7.5	7.4	7.2	7.1	6.9	6.7	6.6	6.5	6.5	6.5
-70°	6.9	6.8	6.7	6.6	6.5	6.5	6.5	6.5	6.5	6.4	6.2
-72.5°	6.5	6.5	6.5	6.5	6.5	6.4	6.3	6.1	6.0	5.8	5.6
-75°	6.2	6.1	6.0	5.9	5.8	5.7	5.5	5.3	5.0	4.7	4.4
-77.5°	5.2	5.1	4.9	4.8	4.6	4.4	4.2	4.1	4.0	3.8	3.7
-80°	3.9	3.9	3.8	3.7	3.7	3.6	3.5	3.4	3.3	3.2	3.1
-82.5°	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6	2.5
-85°	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.7	1.6	1.5
-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





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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2
85°	1.4	1.3	1.1	1.0	0.9	0.8	0.7	0.7	0.6	0.5	0.5
82.5°	2.4	2.3	2.1	1.9	1.8	1.6	1.4	1.2	1.0	0.8	0.7
80°	3.0	2.9	2.8	2.7	2.5	2.4	2.1	1.9	1.6	1.4	1.1
77.5°	3.6	3.5	3.3	3.2	3.0	2.8	2.7	2.5	2.2	1.9	1.6
75°	4.1	4.0	3.8	3.6	3.5	3.3	3.1	2.9	2.6	2.4	2.1
72.5°	5.2	4.8	4.5	4.1	3.9	3.7	3.5	3.2	3.0	2.7	2.5
70°	6.0	5.8	5.4	4.9	4.5	4.1	3.8	3.6	3.3	3.0	2.7
67.5°	6.5	6.3	6.0	5.8	5.3	4.8	4.2	3.9	3.6	3.3	3.0
65°	6.5	6.5	6.5	6.2	5.9	5.5	4.9	4.3	3.9	3.6	3.2
62.5°	6.7	6.5	6.5	6.5	6.3	6.0	5.6	4.9	4.2	3.8	3.5
60°	7.2	6.9	6.6	6.5	6.5	6.3	6.0	5.5	4.8	4.1	3.7
57.5°	7.7	7.4	7.0	6.6	6.5	6.5	6.3	5.9	5.3	4.5	3.9
55°	8.2	7.8	7.4	7.0	6.6	6.5	6.5	6.2	5.8	4.9	4.1
52.5°	8.7	8.3	7.9	7.4	7.0	6.6	6.5	6.5	6.0	5.4	4.5
50°	8.9	8.7	8.3	7.8	7.4	6.9	6.5	6.5	6.3	5.8	4.8
47.5°	8.9	8.9	8.7	8.2	7.7	7.2	6.7	6.5	6.5	6.0	5.2
45°	9.3	8.9	8.9	8.6	8.0	7.5	7.0	6.5	6.5	6.2	5.6
42.5°	9.8	9.2	8.9	8.9	8.4	7.8	7.3	6.7	6.5	6.4	5.8
40°	10.2	9.6	9.0	8.9	8.7	8.1	7.5	6.9	6.5	6.5	6.0
37.5°	10.6	10.0	9.4	8.9	8.9	8.4	7.8	7.2	6.6	6.5	6.1
35°	11.0	10.4	9.8	9.1	8.9	8.6	8.0	7.4	6.7	6.5	6.3
32.5°	11.3	10.7	10.1	9.4	8.9	8.9	8.2	7.6	6.9	6.5	6.4
30°	11.7	11.0	10.4	9.7	9.0	8.9	8.4	7.8	7.1	6.5	6.5
27.5°	12.0	11.3	10.7	10.0	9.2	8.9	8.6	7.9	7.2	6.6	6.5
25°	13.5	11.6	10.9	10.2	9.5	8.9	8.8	8.1	7.4	6.7	6.5
22.5°	18.0	11.9	11.2	10.4	9.7	8.9	8.9	8.3	7.5	6.8	6.5
20°	22.1	12.1	11.4	10.6	9.9	9.1	8.9	8.4	7.6	6.9	6.5
17.5°	26.5	13.8	11.6	10.8	10.1	9.3	8.9	8.5	7.7	7.0	6.5
15°	33.8	16.8	11.7	11.0	10.2	9.4	8.9	8.6	7.8	7.1	6.5
12.5°	40.0	19.3	11.9	11.1	10.3	9.5	8.9	8.7	7.9	7.1	6.5
10°	45.1	21.4	12.0	11.2	10.4	9.6	8.9	8.8	8.0	7.2	6.5
7.5°	49.2	23.1	12.1	11.3	10.5	9.7	8.9	8.8	8.0	7.2	6.5
5°	52.1	24.2	12.1	11.4	10.6	9.8	8.9	8.9	8.1	7.3	6.5
2.5°	53.8	25.0	12.2	11.4	10.6	9.8	8.9	8.9	8.1	7.3	6.5
0°	54.4	25.2	12.2	11.4	10.6	9.8	8.9	8.9	8.1	7.3	6.5
-2.5°	53.8	25.0	12.2	11.4	10.6	9.8	8.9	8.9	8.1	7.3	6.5
-5°	52.1	24.2	12.1	11.4	10.6	9.8	8.9	8.9	8.1	7.3	6.5
-7.5°	49.2	23.1	12.1	11.3	10.5	9.7	8.9	8.8	8.0	7.2	6.5
-10°	45.1	21.4	12.0	11.2	10.4	9.6	8.9	8.8	8.0	7.2	6.5
-12.5°	40.0	19.3	11.9	11.1	10.3	9.5	8.9	8.7	7.9	7.1	6.5
-15°	33.8	16.8	11.7	11.0	10.2	9.4	8.9	8.6	7.8	7.1	6.5
-17.5°	26.5	13.8	11.6	10.8	10.1	9.3	8.9	8.5	7.7	7.0	6.5
-20°	22.1	12.1	11.4	10.6	9.9	9.1	8.9	8.4	7.6	6.9	6.5



REPORT NUMBER: P220335 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	18.0	11.9	11.2	10.4	9.7	8.9	8.9	8.3	7.5	6.8	6.5
-25°	13.5	11.6	10.9	10.2	9.5	8.9	8.8	8.1	7.4	6.7	6.5
-27.5°	12.0	11.3	10.7	10.0	9.2	8.9	8.6	7.9	7.2	6.6	6.5
-30°	11.7	11.0	10.4	9.7	9.0	8.9	8.4	7.8	7.1	6.5	6.5
-32.5°	11.3	10.7	10.1	9.4	8.9	8.9	8.2	7.6	6.9	6.5	6.4
-35°	11.0	10.4	9.8	9.1	8.9	8.6	8.0	7.4	6.7	6.5	6.3
-37.5°	10.6	10.0	9.4	8.9	8.9	8.4	7.8	7.2	6.6	6.5	6.1
-40°	10.2	9.6	9.0	8.9	8.7	8.1	7.5	6.9	6.5	6.5	6.0
-42.5°	9.8	9.2	8.9	8.9	8.4	7.8	7.3	6.7	6.5	6.4	5.8
-45°	9.3	8.9	8.9	8.6	8.0	7.5	7.0	6.5	6.5	6.2	5.6
-47.5°	8.9	8.9	8.7	8.2	7.7	7.2	6.7	6.5	6.5	6.0	5.2
-50°	8.9	8.7	8.3	7.8	7.4	6.9	6.5	6.5	6.3	5.8	4.8
-52.5°	8.7	8.3	7.9	7.4	7.0	6.6	6.5	6.5	6.0	5.4	4.5
-55°	8.2	7.8	7.4	7.0	6.6	6.5	6.5	6.2	5.8	4.9	4.1
-57.5°	7.7	7.4	7.0	6.6	6.5	6.5	6.3	5.9	5.3	4.5	3.9
-60°	7.2	6.9	6.6	6.5	6.5	6.3	6.0	5.5	4.8	4.1	3.7
-62.5°	6.7	6.5	6.5	6.5	6.3	6.0	5.6	4.9	4.2	3.8	3.5
-65°	6.5	6.5	6.5	6.2	5.9	5.5	4.9	4.3	3.9	3.6	3.2
-67.5°	6.5	6.3	6.0	5.8	5.3	4.8	4.2	3.9	3.6	3.3	3.0
-70°	6.0	5.8	5.4	4.9	4.5	4.1	3.8	3.6	3.3	3.0	2.7
-72.5°	5.2	4.8	4.5	4.1	3.9	3.7	3.5	3.2	3.0	2.7	2.5
-75°	4.1	4.0	3.8	3.6	3.5	3.3	3.1	2.9	2.6	2.4	2.1
-77.5°	3.6	3.5	3.3	3.2	3.0	2.8	2.7	2.5	2.2	1.9	1.6
-80°	3.0	2.9	2.8	2.7	2.5	2.4	2.1	1.9	1.6	1.4	1.1
-82.5°	2.4	2.3	2.1	1.9	1.8	1.6	1.4	1.2	1.0	0.8	0.7
-85°	1.4	1.3	1.1	1.0	0.9	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: P220335 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-W-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°	1.3	0.9	0.7	0.5	0.3	0.2	0.0
75°	1.7	1.3	0.8	0.6	0.4	0.2	0.0
72.5°	2.1	1.6	1.1	0.7	0.5	0.2	0.0
70°	2.4	1.9	1.4	0.8	0.5	0.3	0.0
67.5°	2.6	2.2	1.6	1.0	0.6	0.3	0.0
65°	2.9	2.5	1.9	1.2	0.7	0.3	0.0
62.5°	3.1	2.7	2.1	1.4	0.7	0.4	0.0
60°	3.3	2.8	2.4	1.6	0.8	0.4	0.0
57.5°	3.5	3.0	2.5	1.8	0.9	0.4	0.0
55°	3.6	3.2	2.7	1.9	1.0	0.5	0.0
52.5°	3.8	3.3	2.8	2.1	1.1	0.5	0.0
50°	4.0	3.5	2.9	2.3	1.3	0.5	0.0
47.5°	4.1	3.6	3.0	2.4	1.4	0.5	0.0
45°	4.4	3.7	3.1	2.5	1.5	0.6	0.0
42.5°	4.7	3.8	3.2	2.6	1.6	0.6	0.0
40°	5.0	4.0	3.3	2.7	1.7	0.6	0.0
37.5°	5.3	4.1	3.4	2.7	1.7	0.6	0.0
35°	5.5	4.2	3.5	2.8	1.8	0.7	0.0
32.5°	5.7	4.4	3.6	2.9	1.9	0.7	0.0
30°	5.8	4.6	3.7	2.9	2.0	0.7	0.0
27.5°	5.9	4.8	3.7	3.0	2.0	0.7	0.0
25°	6.0	4.9	3.8	3.0	2.1	0.7	0.0
22.5°	6.1	5.1	3.9	3.1	2.2	0.7	0.0
20°	6.2	5.2	3.9	3.1	2.2	0.8	0.0
17.5°	6.3	5.3	4.0	3.2	2.3	0.8	0.0
15°	6.3	5.4	4.0	3.2	2.3	0.8	0.0
12.5°	6.4	5.5	4.0	3.2	2.3	0.8	0.0
10°	6.4	5.6	4.1	3.3	2.4	0.8	0.0
7.5°	6.5	5.6	4.1	3.3	2.4	0.8	0.0
5°	6.5	5.7	4.1	3.3	2.4	0.8	0.0
2.5°	6.5	5.7	4.1	3.3	2.4	0.8	0.0
0°	6.5	5.7	4.1	3.3	2.4	0.8	0.0
-2.5°	6.5	5.7	4.1	3.3	2.4	0.8	0.0
-5°	6.5	5.7	4.1	3.3	2.4	0.8	0.0
-7.5°	6.5	5.6	4.1	3.3	2.4	0.8	0.0
-10°	6.4	5.6	4.1	3.3	2.4	0.8	0.0
-12.5°	6.4	5.5	4.0	3.2	2.3	0.8	0.0
-15°	6.3	5.4	4.0	3.2	2.3	0.8	0.0
-17.5°	6.3	5.3	4.0	3.2	2.3	0.8	0.0
-20°	6.2	5.2	3.9	3.1	2.2	0.8	0.0



REPORT NUMBER: P220335 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	6.1	5.1	3.9	3.1	2.2	0.7	0.0
-25°	6.0	4.9	3.8	3.0	2.1	0.7	0.0
-27.5°	5.9	4.8	3.7	3.0	2.0	0.7	0.0
-30°	5.8	4.6	3.7	2.9	2.0	0.7	0.0
-32.5°	5.7	4.4	3.6	2.9	1.9	0.7	0.0
-35°	5.5	4.2	3.5	2.8	1.8	0.7	0.0
-37.5°	5.3	4.1	3.4	2.7	1.7	0.6	0.0
-40°	5.0	4.0	3.3	2.7	1.7	0.6	0.0
-42.5°	4.7	3.8	3.2	2.6	1.6	0.6	0.0
-45°	4.4	3.7	3.1	2.5	1.5	0.6	0.0
-47.5°	4.1	3.6	3.0	2.4	1.4	0.5	0.0
-50°	4.0	3.5	2.9	2.3	1.3	0.5	0.0
-52.5°	3.8	3.3	2.8	2.1	1.1	0.5	0.0
-55°	3.6	3.2	2.7	1.9	1.0	0.5	0.0
-57.5°	3.5	3.0	2.5	1.8	0.9	0.4	0.0
-60°	3.3	2.8	2.4	1.6	0.8	0.4	0.0
-62.5°	3.1	2.7	2.1	1.4	0.7	0.4	0.0
-65°	2.9	2.5	1.9	1.2	0.7	0.3	0.0
-67.5°	2.6	2.2	1.6	1.0	0.6	0.3	0.0
-70°	2.4	1.9	1.4	0.8	0.5	0.3	0.0
-72.5°	2.1	1.6	1.1	0.7	0.5	0.2	0.0
-75°	1.7	1.3	0.8	0.6	0.4	0.2	0.0
-77.5°	1.3	0.9	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)