

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: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29411)  
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-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,  
FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

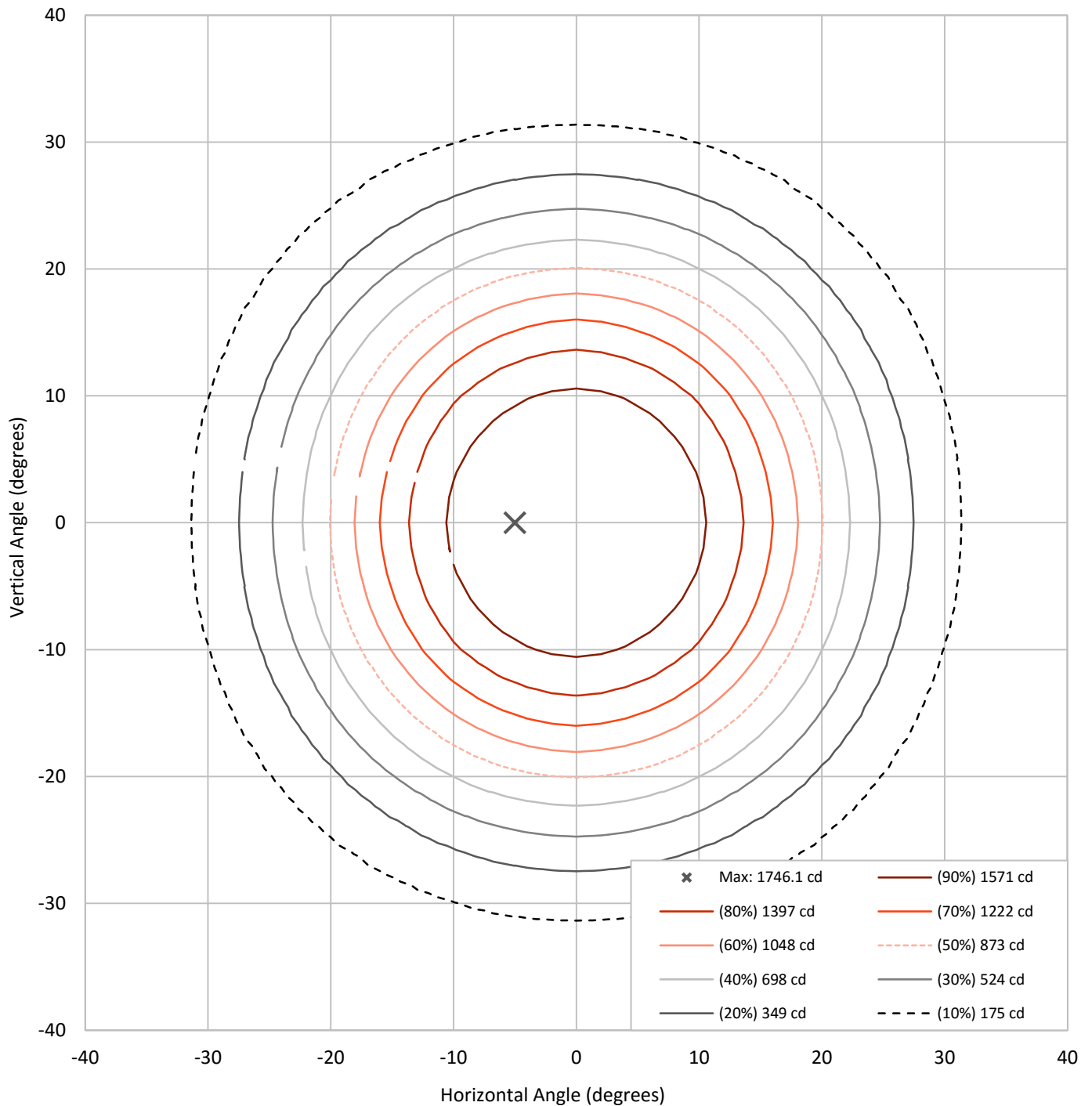
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	844.6 lumens	Max Intensity:	1746.1 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x 0°V
Efficacy:	84.5 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.2°H x 39°V	Field Angle (10%):	62.7°H x 62.1°V
Beam Lumens:	521.3 lumens	Field Lumens:	754 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



REPORT NUMBER: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

### Iso-Candela Plot





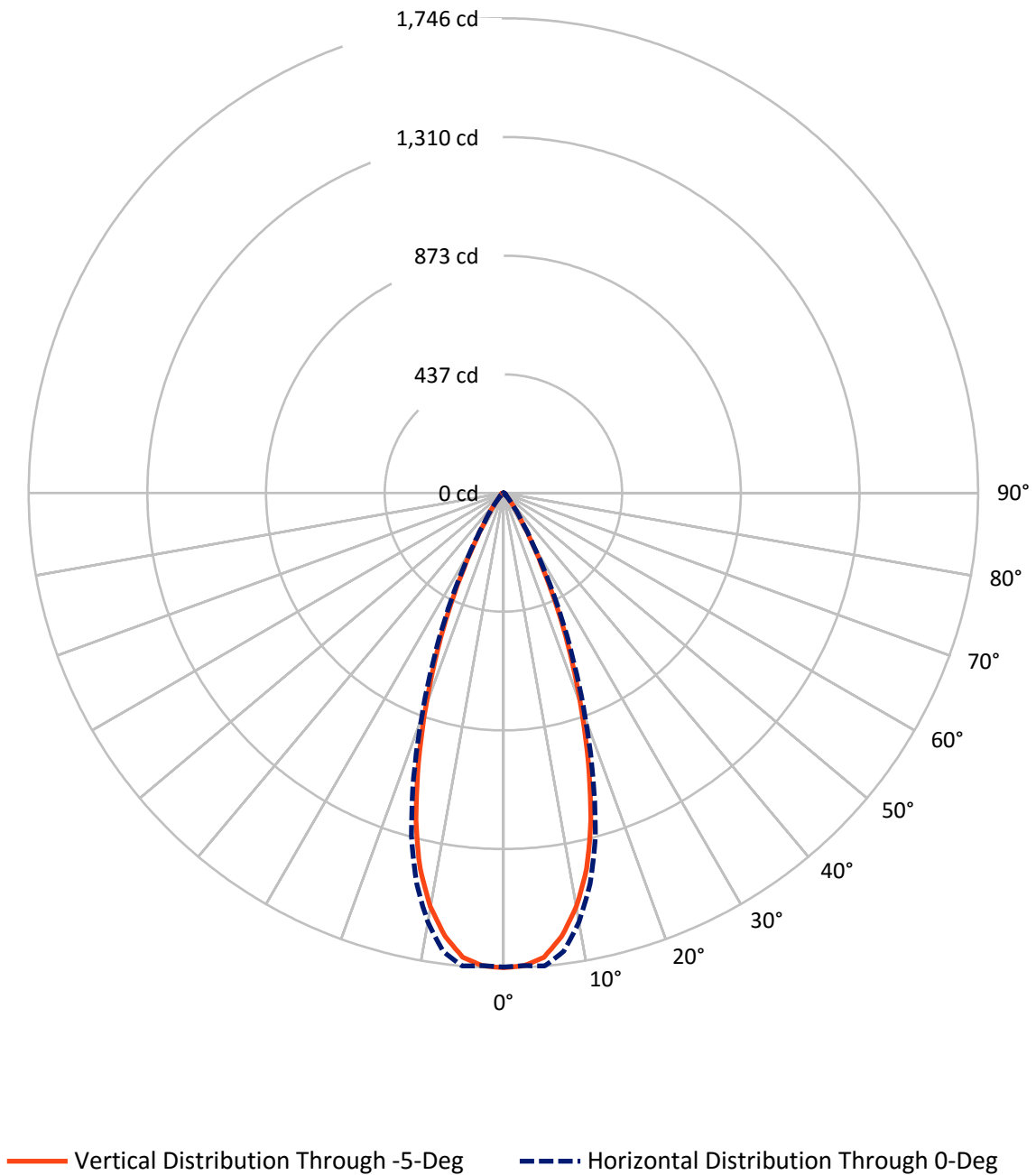
REPORT NUMBER: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

### Lumen Table

90	0.0	0.1	0.2	0.3	0.4	0.3	0.2	0.1	0.0										
80	0.0	0.1	0.2	0.3	0.4	0.3	0.2	0.1	0.0										
70	0.0	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	0.0			
60		0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1				
50	0.1	0.1	0.1	0.2	0.2	0.3	0.5	0.6	0.6	0.5	0.3	0.2	0.2	0.1	0.1	0.1			
40		0.1	0.1	0.2	0.4	0.9	1.9	3.0	3.0	1.9	0.9	0.4	0.2	0.1	0.1				
30	0.1	0.1	0.1	0.3	0.8	3.0	8.5	14.5	14.5	8.5	3.0	0.8	0.3	0.1	0.1	0.1			
20		0.1	0.2	0.4	1.7	8.0	23.2	36.4	36.4	23.2	8.0	1.7	0.4	0.2	0.1				
10	0.1	0.1	0.2	0.4	2.5	13.3	35.3	50.3	50.3	35.3	13.3	2.5	0.4	0.2	0.1	0.1			
0		0.1	0.2	0.4	2.5	13.3	35.3	50.3	50.3	35.3	13.3	2.5	0.4	0.2	0.1				
-10	0.1	0.1	0.2	0.4	1.7	8.0	23.2	36.4	36.4	23.2	8.0	1.7	0.4	0.2	0.1	0.1			
-20		0.1	0.1	0.3	0.8	3.0	8.5	14.5	14.5	8.5	3.0	0.8	0.3	0.1	0.1				
-30	0.1	0.1	0.1	0.2	0.4	0.9	1.9	3.0	3.0	1.9	0.9	0.4	0.2	0.1	0.1	0.1			
-40		0.1	0.1	0.2	0.2	0.3	0.5	0.6	0.6	0.5	0.3	0.2	0.2	0.1	0.1				
-50	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	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				
-70	0.0	0.1	0.2	0.4	1.7	8.0	23.2	36.4	36.4	23.2	8.0	1.7	0.4	0.2	0.1	0.1			
-80		0.1	0.1	0.3	0.8	3.0	8.5	14.5	14.5	8.5	3.0	0.8	0.3	0.1	0.1				
-90	0.0	0.1	0.2	0.3	0.4	0.3	0.2	0.1	0.0										

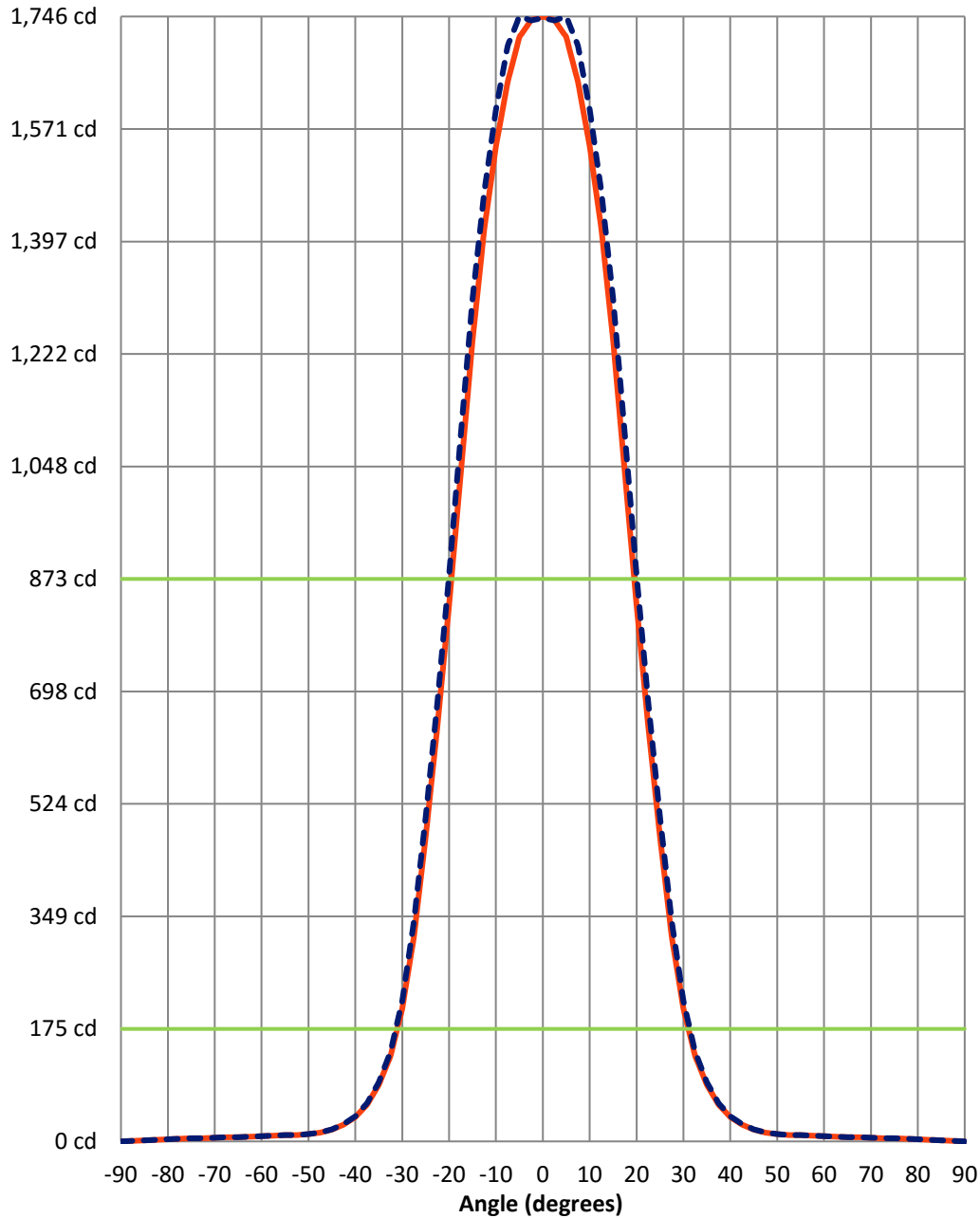
REPORT NUMBER: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

### Luminous Intensity Polar Plot



REPORT NUMBER: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

### Luminous Intensity Plot



**Beam:**  
 H Angle: 40.2°  
 V Angle: 39°  
 Lumens: 521.3  
 Efficiency: 61.7%

**Field:**  
 H Angle: 62.7°  
 V Angle: 62.1°  
 Lumens: 754  
 Efficiency: 89.3%

**Spill:**  
 Lumens: 90.5  
 Efficiency: 10.7%

— Vertical Distribution through -5-Deg  
 - - Horizontal Distribution through 0-Deg

REPORT NUMBER: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

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	0.9	1.0
80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.2	1.3
77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
72.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.3
70°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.1	2.4	2.7
67.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.1
65°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.1	3.4
62.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	3.0	3.4	3.7
60°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
57.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.3
55°	0.0	0.5	0.9	1.4	1.8	2.3	2.8	3.3	3.7	4.2	4.6
52.5°	0.0	0.5	1.0	1.5	1.9	2.4	3.0	3.5	3.9	4.4	4.9
50°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	3.7	4.2	4.7	4.9
47.5°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.9	4.4	4.9	4.9
45°	0.0	0.6	1.1	1.7	2.3	2.9	3.5	4.0	4.6	4.9	4.9
42.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	4.9	5.1
40°	0.0	0.6	1.2	1.8	2.5	3.1	3.8	4.4	4.9	4.9	5.3
37.5°	0.0	0.6	1.3	1.9	2.6	3.3	3.9	4.5	4.9	5.0	5.6
35°	0.0	0.7	1.3	2.0	2.6	3.4	4.0	4.7	4.9	5.1	5.8
32.5°	0.0	0.7	1.3	2.0	2.7	3.5	4.1	4.8	4.9	5.3	6.0
30°	0.0	0.7	1.4	2.1	2.8	3.6	4.2	4.9	4.9	5.5	6.2
27.5°	0.0	0.7	1.4	2.1	2.9	3.6	4.3	4.9	5.0	5.6	6.3
25°	0.0	0.7	1.4	2.2	3.0	3.7	4.4	4.9	5.1	5.8	6.5
22.5°	0.0	0.7	1.5	2.2	3.0	3.8	4.5	4.9	5.2	5.9	6.5
20°	0.0	0.8	1.5	2.3	3.1	3.9	4.6	4.9	5.3	6.0	6.5
17.5°	0.0	0.8	1.5	2.3	3.1	3.9	4.7	4.9	5.4	6.1	6.5
15°	0.0	0.8	1.5	2.3	3.2	4.0	4.7	4.9	5.5	6.2	6.5
12.5°	0.0	0.8	1.6	2.3	3.2	4.0	4.8	4.9	5.5	6.3	6.5
10°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	4.9	5.6	6.4	6.5
7.5°	0.0	0.8	1.6	2.4	3.3	4.1	4.9	4.9	5.6	6.4	6.5
5°	0.0	0.8	1.6	2.4	3.3	4.1	4.9	4.9	5.7	6.5	6.5
2.5°	0.0	0.8	1.6	2.4	3.3	4.1	4.9	4.9	5.7	6.5	6.5
0°	0.0	0.8	1.6	2.4	3.3	4.1	4.9	4.9	5.7	6.5	6.5
-2.5°	0.0	0.8	1.6	2.4	3.3	4.1	4.9	4.9	5.7	6.5	6.5
-5°	0.0	0.8	1.6	2.4	3.3	4.1	4.9	4.9	5.7	6.5	6.5
-7.5°	0.0	0.8	1.6	2.4	3.3	4.1	4.9	4.9	5.6	6.4	6.5
-10°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	4.9	5.6	6.4	6.5
-12.5°	0.0	0.8	1.6	2.3	3.2	4.0	4.8	4.9	5.5	6.3	6.5
-15°	0.0	0.8	1.5	2.3	3.2	4.0	4.7	4.9	5.5	6.2	6.5
-17.5°	0.0	0.8	1.5	2.3	3.1	3.9	4.7	4.9	5.4	6.1	6.5
-20°	0.0	0.8	1.5	2.3	3.1	3.9	4.6	4.9	5.3	6.0	6.5



REPORT NUMBER: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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	0.7	1.5	2.2	3.0	3.8	4.5	4.9	5.2	5.9	6.5
-25°	0.0	0.7	1.4	2.2	3.0	3.7	4.4	4.9	5.1	5.8	6.5
-27.5°	0.0	0.7	1.4	2.1	2.9	3.6	4.3	4.9	5.0	5.6	6.3
-30°	0.0	0.7	1.4	2.1	2.8	3.6	4.2	4.9	4.9	5.5	6.2
-32.5°	0.0	0.7	1.3	2.0	2.7	3.5	4.1	4.8	4.9	5.3	6.0
-35°	0.0	0.7	1.3	2.0	2.6	3.4	4.0	4.7	4.9	5.1	5.8
-37.5°	0.0	0.6	1.3	1.9	2.6	3.3	3.9	4.5	4.9	5.0	5.6
-40°	0.0	0.6	1.2	1.8	2.5	3.1	3.8	4.4	4.9	4.9	5.3
-42.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	4.9	5.1
-45°	0.0	0.6	1.1	1.7	2.3	2.9	3.5	4.0	4.6	4.9	4.9
-47.5°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.9	4.4	4.9	4.9
-50°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	3.7	4.2	4.7	4.9
-52.5°	0.0	0.5	1.0	1.5	1.9	2.4	3.0	3.5	3.9	4.4	4.9
-55°	0.0	0.5	0.9	1.4	1.8	2.3	2.8	3.3	3.7	4.2	4.6
-57.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.3
-60°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-62.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	3.0	3.4	3.7
-65°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.1	3.4
-67.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.1
-70°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.1	2.4	2.7
-72.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.3
-75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
-77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
-80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.2	1.3
-82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-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





REPORT NUMBER: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-F-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	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3
82.5°	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.8	1.9
80°	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.5	2.6
77.5°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.0	3.1	3.3
75°	2.2	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.6	3.8	3.9
72.5°	2.6	2.8	3.0	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.5
70°	3.0	3.2	3.5	3.7	3.9	4.2	4.4	4.6	4.8	4.9	4.9
67.5°	3.4	3.6	3.9	4.2	4.4	4.7	4.9	4.9	4.9	4.9	5.0
65°	3.7	4.0	4.3	4.6	4.9	4.9	4.9	4.9	5.1	5.3	5.6
62.5°	4.0	4.4	4.7	4.9	4.9	4.9	5.1	5.4	5.7	5.9	6.2
60°	4.4	4.7	4.9	4.9	5.0	5.3	5.6	5.9	6.2	6.5	6.5
57.5°	4.7	4.9	4.9	5.0	5.4	5.8	6.1	6.4	6.5	6.5	6.6
55°	4.9	4.9	5.0	5.4	5.8	6.2	6.5	6.5	6.5	6.8	7.2
52.5°	4.9	5.0	5.4	5.8	6.3	6.5	6.5	6.7	7.0	7.4	7.7
50°	4.9	5.3	5.8	6.2	6.5	6.5	6.7	7.2	7.6	7.9	8.3
47.5°	5.1	5.6	6.1	6.5	6.5	6.7	7.2	7.6	8.1	8.5	8.9
45°	5.4	5.9	6.4	6.5	6.7	7.2	7.6	8.1	8.6	9.0	9.5
42.5°	5.7	6.2	6.5	6.5	7.0	7.6	8.1	8.6	9.1	9.6	9.8
40°	5.9	6.5	6.5	6.8	7.4	7.9	8.5	9.0	9.6	9.8	9.8
37.5°	6.2	6.5	6.6	7.2	7.7	8.3	8.9	9.5	9.8	9.8	10.8
35°	6.4	6.5	6.9	7.5	8.1	8.7	9.3	9.8	9.8	10.7	11.9
32.5°	6.5	6.5	7.1	7.8	8.4	9.0	9.7	9.8	10.4	11.6	13.3
30°	6.5	6.7	7.4	8.0	8.7	9.4	9.8	10.0	11.2	12.9	15.6
27.5°	6.5	6.9	7.6	8.3	9.0	9.7	9.8	10.7	12.2	14.4	18.2
25°	6.5	7.1	7.8	8.5	9.3	9.8	10.0	11.3	13.3	16.7	21.9
22.5°	6.6	7.3	8.0	8.7	9.5	9.8	10.5	12.2	14.7	18.9	25.6
20°	6.7	7.5	8.2	8.9	9.8	9.8	11.0	13.0	16.5	22.1	30.2
17.5°	6.9	7.6	8.4	9.1	9.8	10.0	11.5	13.7	18.1	25.0	34.9
15°	7.0	7.7	8.5	9.3	9.8	10.4	12.1	14.9	20.0	27.9	39.2
12.5°	7.1	7.9	8.6	9.5	9.8	10.7	12.6	16.1	22.1	31.2	45.2
10°	7.2	7.9	8.7	9.6	9.8	10.9	13.0	17.0	23.7	34.0	50.2
7.5°	7.2	8.0	8.8	9.7	9.8	11.1	13.4	17.7	25.1	36.2	54.1
5°	7.3	8.1	8.9	9.7	9.8	11.3	13.6	18.3	26.0	37.7	57.0
2.5°	7.3	8.1	8.9	9.8	9.8	11.4	13.8	18.6	26.6	38.7	58.7
0°	7.3	8.1	8.9	9.8	9.8	11.4	13.8	18.6	26.6	38.7	58.7
-2.5°	7.3	8.1	8.9	9.8	9.8	11.4	13.8	18.6	26.6	38.7	58.7
-5°	7.3	8.1	8.9	9.7	9.8	11.3	13.6	18.3	26.0	37.7	57.0
-7.5°	7.2	8.0	8.8	9.7	9.8	11.1	13.4	17.7	25.1	36.2	54.1
-10°	7.2	7.9	8.7	9.6	9.8	10.9	13.0	17.0	23.7	34.0	50.2
-12.5°	7.1	7.9	8.6	9.5	9.8	10.7	12.6	16.1	22.1	31.2	45.2
-15°	7.0	7.7	8.5	9.3	9.8	10.4	12.1	14.9	20.0	27.9	39.2
-17.5°	6.9	7.6	8.4	9.1	9.8	10.0	11.5	13.7	18.1	25.0	34.9
-20°	6.7	7.5	8.2	8.9	9.8	9.8	11.0	13.0	16.5	22.1	30.2



REPORT NUMBER: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	6.6	7.3	8.0	8.7	9.5	9.8	10.5	12.2	14.7	18.9	25.6
-25°	6.5	7.1	7.8	8.5	9.3	9.8	10.0	11.3	13.3	16.7	21.9
-27.5°	6.5	6.9	7.6	8.3	9.0	9.7	9.8	10.7	12.2	14.4	18.2
-30°	6.5	6.7	7.4	8.0	8.7	9.4	9.8	10.0	11.2	12.9	15.6
-32.5°	6.5	6.5	7.1	7.8	8.4	9.0	9.7	9.8	10.4	11.6	13.3
-35°	6.4	6.5	6.9	7.5	8.1	8.7	9.3	9.8	9.8	10.7	11.9
-37.5°	6.2	6.5	6.6	7.2	7.7	8.3	8.9	9.5	9.8	9.8	10.8
-40°	5.9	6.5	6.5	6.8	7.4	7.9	8.5	9.0	9.6	9.8	9.8
-42.5°	5.7	6.2	6.5	6.5	7.0	7.6	8.1	8.6	9.1	9.6	9.8
-45°	5.4	5.9	6.4	6.5	6.7	7.2	7.6	8.1	8.6	9.0	9.5
-47.5°	5.1	5.6	6.1	6.5	6.5	6.7	7.2	7.6	8.1	8.5	8.9
-50°	4.9	5.3	5.8	6.2	6.5	6.5	6.7	7.2	7.6	7.9	8.3
-52.5°	4.9	5.0	5.4	5.8	6.3	6.5	6.5	6.7	7.0	7.4	7.7
-55°	4.9	4.9	5.0	5.4	5.8	6.2	6.5	6.5	6.5	6.8	7.2
-57.5°	4.7	4.9	4.9	5.0	5.4	5.8	6.1	6.4	6.5	6.5	6.6
-60°	4.4	4.7	4.9	4.9	5.0	5.3	5.6	5.9	6.2	6.5	6.5
-62.5°	4.0	4.4	4.7	4.9	4.9	4.9	5.1	5.4	5.7	5.9	6.2
-65°	3.7	4.0	4.3	4.6	4.9	4.9	4.9	4.9	5.1	5.3	5.6
-67.5°	3.4	3.6	3.9	4.2	4.4	4.7	4.9	4.9	4.9	4.9	5.0
-70°	3.0	3.2	3.5	3.7	3.9	4.2	4.4	4.6	4.8	4.9	4.9
-72.5°	2.6	2.8	3.0	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.5
-75°	2.2	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.6	3.8	3.9
-77.5°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.0	3.1	3.3
-80°	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.5	2.6
-82.5°	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.8	1.9
-85°	0.7	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3
-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: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
85°	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6
82.5°	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.3	2.4
80°	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2
77.5°	3.4	3.5	3.6	3.6	3.7	3.8	3.9	3.9	4.0	4.0	4.0
75°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.8
72.5°	4.7	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
70°	4.9	4.9	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.5	5.6
67.5°	5.1	5.3	5.5	5.6	5.8	5.9	6.0	6.1	6.2	6.3	6.4
65°	5.8	6.0	6.2	6.3	6.5	6.5	6.5	6.5	6.5	6.5	6.5
62.5°	6.4	6.5	6.5	6.5	6.5	6.6	6.7	6.9	7.0	7.1	7.2
60°	6.5	6.5	6.7	6.9	7.1	7.3	7.5	7.6	7.7	7.9	7.9
57.5°	6.9	7.1	7.4	7.6	7.8	8.0	8.2	8.4	8.5	8.6	8.7
55°	7.5	7.8	8.0	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.6
52.5°	8.1	8.4	8.7	9.0	9.3	9.5	9.8	9.8	9.8	9.8	9.8
50°	8.7	9.0	9.4	9.7	9.8	9.8	9.8	10.0	10.4	10.7	10.9
47.5°	9.3	9.7	9.8	9.8	10.0	10.5	11.0	11.5	12.1	12.6	13.0
45°	9.8	9.8	10.0	10.7	11.3	12.2	13.0	13.7	14.9	16.1	17.0
42.5°	9.8	10.4	11.2	12.2	13.3	14.7	16.5	18.1	20.0	22.1	23.7
40°	10.7	11.6	12.9	14.4	16.7	18.9	22.1	25.0	27.9	31.2	34.0
37.5°	11.9	13.3	15.6	18.2	21.9	25.6	30.2	34.9	39.2	45.2	50.2
35°	13.5	16.1	19.3	23.9	28.9	35.0	41.7	50.2	57.7	67.2	75.9
32.5°	16.1	19.8	24.9	31.3	38.3	48.6	58.7	72.9	86.0	99.8	113.6
30°	19.3	24.9	32.1	40.5	52.9	67.6	84.9	104.7	125.2	146.0	171.3
27.5°	23.9	31.3	40.5	54.3	72.4	92.4	119.3	147.6	184.9	217.7	254.6
25°	28.9	38.3	52.9	72.4	96.0	126.8	167.0	211.8	265.0	326.3	384.1
22.5°	35.0	48.6	67.6	92.4	126.8	173.6	228.2	301.1	382.9	464.7	537.4
20°	41.7	58.7	84.9	119.3	167.0	228.2	313.3	414.9	516.2	613.4	699.2
17.5°	50.2	72.9	104.7	147.6	211.8	301.1	414.9	534.8	652.8	768.8	873.0
15°	57.7	86.0	125.2	184.9	265.0	382.9	516.2	652.8	792.7	928.4	1056.2
12.5°	67.2	99.8	146.0	217.7	326.3	464.7	613.4	768.8	928.4	1087.5	1229.5
10°	75.9	113.6	171.3	254.6	384.1	537.4	699.2	873.0	1056.2	1229.5	1372.0
7.5°	82.8	124.6	191.3	290.2	435.0	598.7	775.6	966.7	1163.7	1340.2	1474.5
5°	87.8	132.5	205.9	317.7	472.5	643.8	832.3	1037.5	1242.9	1415.6	1544.8
2.5°	90.8	137.3	214.8	335.9	495.3	671.6	867.4	1081.8	1291.0	1459.3	1586.9
0°	91.8	138.9	217.8	342.1	503.0	680.9	879.2	1096.9	1307.4	1473.2	1601.5
-2.5°	90.8	137.3	214.8	335.9	495.3	671.6	867.4	1081.8	1291.0	1459.3	1586.9
-5°	87.8	132.5	205.9	317.7	472.5	643.8	832.3	1037.5	1242.9	1415.6	1544.8
-7.5°	82.8	124.6	191.3	290.2	435.0	598.7	775.6	966.7	1163.7	1340.2	1474.5
-10°	75.9	113.6	171.3	254.6	384.1	537.4	699.2	873.0	1056.2	1229.5	1372.0
-12.5°	67.2	99.8	146.0	217.7	326.3	464.7	613.4	768.8	928.4	1087.5	1229.5
-15°	57.7	86.0	125.2	184.9	265.0	382.9	516.2	652.8	792.7	928.4	1056.2
-17.5°	50.2	72.9	104.7	147.6	211.8	301.1	414.9	534.8	652.8	768.8	873.0
-20°	41.7	58.7	84.9	119.3	167.0	228.2	313.3	414.9	516.2	613.4	699.2



REPORT NUMBER: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	35.0	48.6	67.6	92.4	126.8	173.6	228.2	301.1	382.9	464.7	537.4
-25°	28.9	38.3	52.9	72.4	96.0	126.8	167.0	211.8	265.0	326.3	384.1
-27.5°	23.9	31.3	40.5	54.3	72.4	92.4	119.3	147.6	184.9	217.7	254.6
-30°	19.3	24.9	32.1	40.5	52.9	67.6	84.9	104.7	125.2	146.0	171.3
-32.5°	16.1	19.8	24.9	31.3	38.3	48.6	58.7	72.9	86.0	99.8	113.6
-35°	13.5	16.1	19.3	23.9	28.9	35.0	41.7	50.2	57.7	67.2	75.9
-37.5°	11.9	13.3	15.6	18.2	21.9	25.6	30.2	34.9	39.2	45.2	50.2
-40°	10.7	11.6	12.9	14.4	16.7	18.9	22.1	25.0	27.9	31.2	34.0
-42.5°	9.8	10.4	11.2	12.2	13.3	14.7	16.5	18.1	20.0	22.1	23.7
-45°	9.8	9.8	10.0	10.7	11.3	12.2	13.0	13.7	14.9	16.1	17.0
-47.5°	9.3	9.7	9.8	9.8	10.0	10.5	11.0	11.5	12.1	12.6	13.0
-50°	8.7	9.0	9.4	9.7	9.8	9.8	9.8	10.0	10.4	10.7	10.9
-52.5°	8.1	8.4	8.7	9.0	9.3	9.5	9.8	9.8	9.8	9.8	9.8
-55°	7.5	7.8	8.0	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.6
-57.5°	6.9	7.1	7.4	7.6	7.8	8.0	8.2	8.4	8.5	8.6	8.7
-60°	6.5	6.5	6.7	6.9	7.1	7.3	7.5	7.6	7.7	7.9	7.9
-62.5°	6.4	6.5	6.5	6.5	6.5	6.6	6.7	6.9	7.0	7.1	7.2
-65°	5.8	6.0	6.2	6.3	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-67.5°	5.1	5.3	5.5	5.6	5.8	5.9	6.0	6.1	6.2	6.3	6.4
-70°	4.9	4.9	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.5	5.6
-72.5°	4.7	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-75°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.8
-77.5°	3.4	3.5	3.6	3.6	3.7	3.8	3.9	3.9	4.0	4.0	4.0
-80°	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2
-82.5°	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.3	2.4
-85°	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6
-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: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.1
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.9
75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.7
72.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
70°	5.6	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.5	5.4
67.5°	6.4	6.5	6.5	6.5	6.5	6.5	6.4	6.4	6.3	6.2	6.1
65°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
62.5°	7.2	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.0	6.9
60°	8.0	8.1	8.1	8.1	8.1	8.1	8.0	7.9	7.9	7.7	7.6
57.5°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.7	8.6	8.5	8.4
55°	9.7	9.7	9.8	9.8	9.8	9.7	9.7	9.6	9.5	9.3	9.1
52.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
50°	11.1	11.3	11.4	11.4	11.4	11.3	11.1	10.9	10.7	10.4	10.0
47.5°	13.4	13.6	13.8	13.8	13.8	13.6	13.4	13.0	12.6	12.1	11.5
45°	17.7	18.3	18.6	18.7	18.6	18.3	17.7	17.0	16.1	14.9	13.7
42.5°	25.1	26.0	26.6	26.8	26.6	26.0	25.1	23.7	22.1	20.0	18.1
40°	36.2	37.7	38.7	39.0	38.7	37.7	36.2	34.0	31.2	27.9	25.0
37.5°	54.1	57.0	58.7	59.3	58.7	57.0	54.1	50.2	45.2	39.2	34.9
35°	82.8	87.8	90.8	91.8	90.8	87.8	82.8	75.9	67.2	57.7	50.2
32.5°	124.6	132.5	137.3	138.9	137.3	132.5	124.6	113.6	99.8	86.0	72.9
30°	191.3	205.9	214.8	217.8	214.8	205.9	191.3	171.3	146.0	125.2	104.7
27.5°	290.2	317.7	335.9	342.1	335.9	317.7	290.2	254.6	217.7	184.9	147.6
25°	435.0	472.5	495.3	503.0	495.3	472.5	435.0	384.1	326.3	265.0	211.8
22.5°	598.7	643.8	671.6	680.9	671.6	643.8	598.7	537.4	464.7	382.9	301.1
20°	775.6	832.3	867.4	879.2	867.4	832.3	775.6	699.2	613.4	516.2	414.9
17.5°	966.7	1037.5	1081.8	1096.9	1081.8	1037.5	966.7	873.0	768.8	652.8	534.8
15°	1163.7	1242.9	1291.0	1307.4	1291.0	1242.9	1163.7	1056.2	928.4	792.7	652.8
12.5°	1340.2	1415.6	1459.3	1473.2	1459.3	1415.6	1340.2	1229.5	1087.5	928.4	768.8
10°	1474.5	1544.8	1586.9	1601.5	1586.9	1544.8	1474.5	1372.0	1229.5	1056.2	873.0
7.5°	1573.2	1644.3	1687.5	1700.3	1687.5	1644.3	1573.2	1474.5	1340.2	1163.7	966.7
5°	1644.3	1714.0	1740.4	1746.1	1740.4	1714.0	1644.3	1544.8	1415.6	1242.9	1037.5
2.5°	1687.5	1740.4	1744.7	1740.1	1744.7	1740.4	1687.5	1586.9	1459.3	1291.0	1081.8
0°	1700.3	1746.1	1740.1	1743.7	1740.1	1746.1	1700.3	1601.5	1473.2	1307.4	1096.9
-2.5°	1687.5	1740.4	1744.7	1740.1	1744.7	1740.4	1687.5	1586.9	1459.3	1291.0	1081.8
-5°	1644.3	1714.0	1740.4	1746.1	1740.4	1714.0	1644.3	1544.8	1415.6	1242.9	1037.5
-7.5°	1573.2	1644.3	1687.5	1700.3	1687.5	1644.3	1573.2	1474.5	1340.2	1163.7	966.7
-10°	1474.5	1544.8	1586.9	1601.5	1586.9	1544.8	1474.5	1372.0	1229.5	1056.2	873.0
-12.5°	1340.2	1415.6	1459.3	1473.2	1459.3	1415.6	1340.2	1229.5	1087.5	928.4	768.8
-15°	1163.7	1242.9	1291.0	1307.4	1291.0	1242.9	1163.7	1056.2	928.4	792.7	652.8
-17.5°	966.7	1037.5	1081.8	1096.9	1081.8	1037.5	966.7	873.0	768.8	652.8	534.8
-20°	775.6	832.3	867.4	879.2	867.4	832.3	775.6	699.2	613.4	516.2	414.9



REPORT NUMBER: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	598.7	643.8	671.6	680.9	671.6	643.8	598.7	537.4	464.7	382.9	301.1
-25°	435.0	472.5	495.3	503.0	495.3	472.5	435.0	384.1	326.3	265.0	211.8
-27.5°	290.2	317.7	335.9	342.1	335.9	317.7	290.2	254.6	217.7	184.9	147.6
-30°	191.3	205.9	214.8	217.8	214.8	205.9	191.3	171.3	146.0	125.2	104.7
-32.5°	124.6	132.5	137.3	138.9	137.3	132.5	124.6	113.6	99.8	86.0	72.9
-35°	82.8	87.8	90.8	91.8	90.8	87.8	82.8	75.9	67.2	57.7	50.2
-37.5°	54.1	57.0	58.7	59.3	58.7	57.0	54.1	50.2	45.2	39.2	34.9
-40°	36.2	37.7	38.7	39.0	38.7	37.7	36.2	34.0	31.2	27.9	25.0
-42.5°	25.1	26.0	26.6	26.8	26.6	26.0	25.1	23.7	22.1	20.0	18.1
-45°	17.7	18.3	18.6	18.7	18.6	18.3	17.7	17.0	16.1	14.9	13.7
-47.5°	13.4	13.6	13.8	13.8	13.8	13.6	13.4	13.0	12.6	12.1	11.5
-50°	11.1	11.3	11.4	11.4	11.4	11.3	11.1	10.9	10.7	10.4	10.0
-52.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
-55°	9.7	9.7	9.8	9.8	9.8	9.7	9.7	9.6	9.5	9.3	9.1
-57.5°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.7	8.6	8.5	8.4
-60°	8.0	8.1	8.1	8.1	8.1	8.1	8.0	7.9	7.9	7.7	7.6
-62.5°	7.2	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.0	6.9
-65°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-67.5°	6.4	6.5	6.5	6.5	6.5	6.5	6.4	6.4	6.3	6.2	6.1
-70°	5.6	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.5	5.4
-72.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.7
-77.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.9
-80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.1
-82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3
-85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
-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: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
85°	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1
82.5°	2.3	2.2	2.2	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.7
80°	3.1	3.0	3.0	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.3
77.5°	3.9	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.1	3.0	2.9
75°	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.6	3.5
72.5°	4.9	4.9	4.9	4.9	4.9	4.8	4.7	4.5	4.4	4.2	4.0
70°	5.3	5.2	5.1	5.0	4.9	4.9	4.9	4.9	4.9	4.8	4.6
67.5°	6.0	5.9	5.8	5.6	5.5	5.3	5.1	5.0	4.9	4.9	4.9
65°	6.5	6.5	6.5	6.3	6.2	6.0	5.8	5.6	5.3	5.1	4.9
62.5°	6.7	6.6	6.5	6.5	6.5	6.5	6.4	6.2	5.9	5.7	5.4
60°	7.5	7.3	7.1	6.9	6.7	6.5	6.5	6.5	6.5	6.2	5.9
57.5°	8.2	8.0	7.8	7.6	7.4	7.1	6.9	6.6	6.5	6.5	6.4
55°	8.9	8.7	8.5	8.3	8.0	7.8	7.5	7.2	6.8	6.5	6.5
52.5°	9.8	9.5	9.3	9.0	8.7	8.4	8.1	7.7	7.4	7.0	6.7
50°	9.8	9.8	9.8	9.7	9.4	9.0	8.7	8.3	7.9	7.6	7.2
47.5°	11.0	10.5	10.0	9.8	9.8	9.7	9.3	8.9	8.5	8.1	7.6
45°	13.0	12.2	11.3	10.7	10.0	9.8	9.8	9.5	9.0	8.6	8.1
42.5°	16.5	14.7	13.3	12.2	11.2	10.4	9.8	9.8	9.6	9.1	8.6
40°	22.1	18.9	16.7	14.4	12.9	11.6	10.7	9.8	9.8	9.6	9.0
37.5°	30.2	25.6	21.9	18.2	15.6	13.3	11.9	10.8	9.8	9.8	9.5
35°	41.7	35.0	28.9	23.9	19.3	16.1	13.5	11.9	10.7	9.8	9.8
32.5°	58.7	48.6	38.3	31.3	24.9	19.8	16.1	13.3	11.6	10.4	9.8
30°	84.9	67.6	52.9	40.5	32.1	24.9	19.3	15.6	12.9	11.2	10.0
27.5°	119.3	92.4	72.4	54.3	40.5	31.3	23.9	18.2	14.4	12.2	10.7
25°	167.0	126.8	96.0	72.4	52.9	38.3	28.9	21.9	16.7	13.3	11.3
22.5°	228.2	173.6	126.8	92.4	67.6	48.6	35.0	25.6	18.9	14.7	12.2
20°	313.3	228.2	167.0	119.3	84.9	58.7	41.7	30.2	22.1	16.5	13.0
17.5°	414.9	301.1	211.8	147.6	104.7	72.9	50.2	34.9	25.0	18.1	13.7
15°	516.2	382.9	265.0	184.9	125.2	86.0	57.7	39.2	27.9	20.0	14.9
12.5°	613.4	464.7	326.3	217.7	146.0	99.8	67.2	45.2	31.2	22.1	16.1
10°	699.2	537.4	384.1	254.6	171.3	113.6	75.9	50.2	34.0	23.7	17.0
7.5°	775.6	598.7	435.0	290.2	191.3	124.6	82.8	54.1	36.2	25.1	17.7
5°	832.3	643.8	472.5	317.7	205.9	132.5	87.8	57.0	37.7	26.0	18.3
2.5°	867.4	671.6	495.3	335.9	214.8	137.3	90.8	58.7	38.7	26.6	18.6
0°	879.2	680.9	503.0	342.1	217.8	138.9	91.8	59.3	39.0	26.8	18.7
-2.5°	867.4	671.6	495.3	335.9	214.8	137.3	90.8	58.7	38.7	26.6	18.6
-5°	832.3	643.8	472.5	317.7	205.9	132.5	87.8	57.0	37.7	26.0	18.3
-7.5°	775.6	598.7	435.0	290.2	191.3	124.6	82.8	54.1	36.2	25.1	17.7
-10°	699.2	537.4	384.1	254.6	171.3	113.6	75.9	50.2	34.0	23.7	17.0
-12.5°	613.4	464.7	326.3	217.7	146.0	99.8	67.2	45.2	31.2	22.1	16.1
-15°	516.2	382.9	265.0	184.9	125.2	86.0	57.7	39.2	27.9	20.0	14.9
-17.5°	414.9	301.1	211.8	147.6	104.7	72.9	50.2	34.9	25.0	18.1	13.7
-20°	313.3	228.2	167.0	119.3	84.9	58.7	41.7	30.2	22.1	16.5	13.0



REPORT NUMBER: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	228.2	173.6	126.8	92.4	67.6	48.6	35.0	25.6	18.9	14.7	12.2
-25°	167.0	126.8	96.0	72.4	52.9	38.3	28.9	21.9	16.7	13.3	11.3
-27.5°	119.3	92.4	72.4	54.3	40.5	31.3	23.9	18.2	14.4	12.2	10.7
-30°	84.9	67.6	52.9	40.5	32.1	24.9	19.3	15.6	12.9	11.2	10.0
-32.5°	58.7	48.6	38.3	31.3	24.9	19.8	16.1	13.3	11.6	10.4	9.8
-35°	41.7	35.0	28.9	23.9	19.3	16.1	13.5	11.9	10.7	9.8	9.8
-37.5°	30.2	25.6	21.9	18.2	15.6	13.3	11.9	10.8	9.8	9.8	9.5
-40°	22.1	18.9	16.7	14.4	12.9	11.6	10.7	9.8	9.8	9.6	9.0
-42.5°	16.5	14.7	13.3	12.2	11.2	10.4	9.8	9.8	9.6	9.1	8.6
-45°	13.0	12.2	11.3	10.7	10.0	9.8	9.8	9.5	9.0	8.6	8.1
-47.5°	11.0	10.5	10.0	9.8	9.8	9.7	9.3	8.9	8.5	8.1	7.6
-50°	9.8	9.8	9.8	9.7	9.4	9.0	8.7	8.3	7.9	7.6	7.2
-52.5°	9.8	9.5	9.3	9.0	8.7	8.4	8.1	7.7	7.4	7.0	6.7
-55°	8.9	8.7	8.5	8.3	8.0	7.8	7.5	7.2	6.8	6.5	6.5
-57.5°	8.2	8.0	7.8	7.6	7.4	7.1	6.9	6.6	6.5	6.5	6.4
-60°	7.5	7.3	7.1	6.9	6.7	6.5	6.5	6.5	6.5	6.2	5.9
-62.5°	6.7	6.6	6.5	6.5	6.5	6.5	6.4	6.2	5.9	5.7	5.4
-65°	6.5	6.5	6.5	6.3	6.2	6.0	5.8	5.6	5.3	5.1	4.9
-67.5°	6.0	5.9	5.8	5.6	5.5	5.3	5.1	5.0	4.9	4.9	4.9
-70°	5.3	5.2	5.1	5.0	4.9	4.9	4.9	4.9	4.9	4.8	4.6
-72.5°	4.9	4.9	4.9	4.9	4.9	4.8	4.7	4.5	4.4	4.2	4.0
-75°	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.6	3.5
-77.5°	3.9	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.1	3.0	2.9
-80°	3.1	3.0	3.0	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.3
-82.5°	2.3	2.2	2.2	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.7
-85°	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1
-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: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2
85°	1.1	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.5	0.5
82.5°	1.6	1.5	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7
80°	2.2	2.1	1.9	1.8	1.7	1.6	1.5	1.3	1.2	1.1	1.0
77.5°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
75°	3.3	3.1	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4
72.5°	3.9	3.7	3.5	3.3	3.0	2.8	2.6	2.3	2.1	1.9	1.7
70°	4.4	4.2	3.9	3.7	3.5	3.2	3.0	2.7	2.4	2.1	1.9
67.5°	4.9	4.7	4.4	4.2	3.9	3.6	3.4	3.1	2.7	2.4	2.1
65°	4.9	4.9	4.9	4.6	4.3	4.0	3.7	3.4	3.1	2.7	2.3
62.5°	5.1	4.9	4.9	4.9	4.7	4.4	4.0	3.7	3.4	3.0	2.6
60°	5.6	5.3	5.0	4.9	4.9	4.7	4.4	4.0	3.6	3.2	2.8
57.5°	6.1	5.8	5.4	5.0	4.9	4.9	4.7	4.3	3.9	3.5	3.0
55°	6.5	6.2	5.8	5.4	5.0	4.9	4.9	4.6	4.2	3.7	3.3
52.5°	6.5	6.5	6.3	5.8	5.4	5.0	4.9	4.9	4.4	3.9	3.5
50°	6.7	6.5	6.5	6.2	5.8	5.3	4.9	4.9	4.7	4.2	3.7
47.5°	7.2	6.7	6.5	6.5	6.1	5.6	5.1	4.9	4.9	4.4	3.9
45°	7.6	7.2	6.7	6.5	6.4	5.9	5.4	4.9	4.9	4.6	4.0
42.5°	8.1	7.6	7.0	6.5	6.5	6.2	5.7	5.1	4.9	4.8	4.2
40°	8.5	7.9	7.4	6.8	6.5	6.5	5.9	5.3	4.9	4.9	4.4
37.5°	8.9	8.3	7.7	7.2	6.6	6.5	6.2	5.6	5.0	4.9	4.5
35°	9.3	8.7	8.1	7.5	6.9	6.5	6.4	5.8	5.1	4.9	4.7
32.5°	9.7	9.0	8.4	7.8	7.1	6.5	6.5	6.0	5.3	4.9	4.8
30°	9.8	9.4	8.7	8.0	7.4	6.7	6.5	6.2	5.5	4.9	4.9
27.5°	9.8	9.7	9.0	8.3	7.6	6.9	6.5	6.3	5.6	5.0	4.9
25°	10.0	9.8	9.3	8.5	7.8	7.1	6.5	6.5	5.8	5.1	4.9
22.5°	10.5	9.8	9.5	8.7	8.0	7.3	6.6	6.5	5.9	5.2	4.9
20°	11.0	9.8	9.8	8.9	8.2	7.5	6.7	6.5	6.0	5.3	4.9
17.5°	11.5	10.0	9.8	9.1	8.4	7.6	6.9	6.5	6.1	5.4	4.9
15°	12.1	10.4	9.8	9.3	8.5	7.7	7.0	6.5	6.2	5.5	4.9
12.5°	12.6	10.7	9.8	9.5	8.6	7.9	7.1	6.5	6.3	5.5	4.9
10°	13.0	10.9	9.8	9.6	8.7	7.9	7.2	6.5	6.4	5.6	4.9
7.5°	13.4	11.1	9.8	9.7	8.8	8.0	7.2	6.5	6.4	5.6	4.9
5°	13.6	11.3	9.8	9.7	8.9	8.1	7.3	6.5	6.5	5.7	4.9
2.5°	13.8	11.4	9.8	9.8	8.9	8.1	7.3	6.5	6.5	5.7	4.9
0°	13.8	11.4	9.8	9.8	8.9	8.1	7.3	6.5	6.5	5.7	4.9
-2.5°	13.8	11.4	9.8	9.8	8.9	8.1	7.3	6.5	6.5	5.7	4.9
-5°	13.6	11.3	9.8	9.7	8.9	8.1	7.3	6.5	6.5	5.7	4.9
-7.5°	13.4	11.1	9.8	9.7	8.8	8.0	7.2	6.5	6.4	5.6	4.9
-10°	13.0	10.9	9.8	9.6	8.7	7.9	7.2	6.5	6.4	5.6	4.9
-12.5°	12.6	10.7	9.8	9.5	8.6	7.9	7.1	6.5	6.3	5.5	4.9
-15°	12.1	10.4	9.8	9.3	8.5	7.7	7.0	6.5	6.2	5.5	4.9
-17.5°	11.5	10.0	9.8	9.1	8.4	7.6	6.9	6.5	6.1	5.4	4.9
-20°	11.0	9.8	9.8	8.9	8.2	7.5	6.7	6.5	6.0	5.3	4.9



REPORT NUMBER: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	10.5	9.8	9.5	8.7	8.0	7.3	6.6	6.5	5.9	5.2	4.9
-25°	10.0	9.8	9.3	8.5	7.8	7.1	6.5	6.5	5.8	5.1	4.9
-27.5°	9.8	9.7	9.0	8.3	7.6	6.9	6.5	6.3	5.6	5.0	4.9
-30°	9.8	9.4	8.7	8.0	7.4	6.7	6.5	6.2	5.5	4.9	4.9
-32.5°	9.7	9.0	8.4	7.8	7.1	6.5	6.5	6.0	5.3	4.9	4.8
-35°	9.3	8.7	8.1	7.5	6.9	6.5	6.4	5.8	5.1	4.9	4.7
-37.5°	8.9	8.3	7.7	7.2	6.6	6.5	6.2	5.6	5.0	4.9	4.5
-40°	8.5	7.9	7.4	6.8	6.5	6.5	5.9	5.3	4.9	4.9	4.4
-42.5°	8.1	7.6	7.0	6.5	6.5	6.2	5.7	5.1	4.9	4.8	4.2
-45°	7.6	7.2	6.7	6.5	6.4	5.9	5.4	4.9	4.9	4.6	4.0
-47.5°	7.2	6.7	6.5	6.5	6.1	5.6	5.1	4.9	4.9	4.4	3.9
-50°	6.7	6.5	6.5	6.2	5.8	5.3	4.9	4.9	4.7	4.2	3.7
-52.5°	6.5	6.5	6.3	5.8	5.4	5.0	4.9	4.9	4.4	3.9	3.5
-55°	6.5	6.2	5.8	5.4	5.0	4.9	4.9	4.6	4.2	3.7	3.3
-57.5°	6.1	5.8	5.4	5.0	4.9	4.9	4.7	4.3	3.9	3.5	3.0
-60°	5.6	5.3	5.0	4.9	4.9	4.7	4.4	4.0	3.6	3.2	2.8
-62.5°	5.1	4.9	4.9	4.9	4.7	4.4	4.0	3.7	3.4	3.0	2.6
-65°	4.9	4.9	4.9	4.6	4.3	4.0	3.7	3.4	3.1	2.7	2.3
-67.5°	4.9	4.7	4.4	4.2	3.9	3.6	3.4	3.1	2.7	2.4	2.1
-70°	4.4	4.2	3.9	3.7	3.5	3.2	3.0	2.7	2.4	2.1	1.9
-72.5°	3.9	3.7	3.5	3.3	3.0	2.8	2.6	2.3	2.1	1.9	1.7
-75°	3.3	3.1	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4
-77.5°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
-80°	2.2	2.1	1.9	1.8	1.7	1.6	1.5	1.3	1.2	1.1	1.0
-82.5°	1.6	1.5	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7
-85°	1.1	1.0	1.0	0.9	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: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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°	0.2	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°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
75°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
72.5°	1.4	1.2	1.0	0.7	0.5	0.2	0.0
70°	1.6	1.4	1.1	0.8	0.5	0.3	0.0
67.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
65°	2.0	1.7	1.3	1.0	0.7	0.3	0.0
62.5°	2.2	1.8	1.5	1.1	0.7	0.4	0.0
60°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
57.5°	2.6	2.1	1.7	1.3	0.9	0.4	0.0
55°	2.8	2.3	1.8	1.4	0.9	0.5	0.0
52.5°	3.0	2.4	1.9	1.5	1.0	0.5	0.0
50°	3.1	2.6	2.1	1.5	1.0	0.5	0.0
47.5°	3.3	2.7	2.2	1.6	1.1	0.5	0.0
45°	3.5	2.9	2.3	1.7	1.1	0.6	0.0
42.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
40°	3.8	3.1	2.5	1.8	1.2	0.6	0.0
37.5°	3.9	3.3	2.6	1.9	1.3	0.6	0.0
35°	4.0	3.4	2.6	2.0	1.3	0.7	0.0
32.5°	4.1	3.5	2.7	2.0	1.3	0.7	0.0
30°	4.2	3.6	2.8	2.1	1.4	0.7	0.0
27.5°	4.3	3.6	2.9	2.1	1.4	0.7	0.0
25°	4.4	3.7	3.0	2.2	1.4	0.7	0.0
22.5°	4.5	3.8	3.0	2.2	1.5	0.7	0.0
20°	4.6	3.9	3.1	2.3	1.5	0.8	0.0
17.5°	4.7	3.9	3.1	2.3	1.5	0.8	0.0
15°	4.7	4.0	3.2	2.3	1.5	0.8	0.0
12.5°	4.8	4.0	3.2	2.3	1.6	0.8	0.0
10°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
7.5°	4.9	4.1	3.3	2.4	1.6	0.8	0.0
5°	4.9	4.1	3.3	2.4	1.6	0.8	0.0
2.5°	4.9	4.1	3.3	2.4	1.6	0.8	0.0
0°	4.9	4.1	3.3	2.4	1.6	0.8	0.0
-2.5°	4.9	4.1	3.3	2.4	1.6	0.8	0.0
-5°	4.9	4.1	3.3	2.4	1.6	0.8	0.0
-7.5°	4.9	4.1	3.3	2.4	1.6	0.8	0.0
-10°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-12.5°	4.8	4.0	3.2	2.3	1.6	0.8	0.0
-15°	4.7	4.0	3.2	2.3	1.5	0.8	0.0
-17.5°	4.7	3.9	3.1	2.3	1.5	0.8	0.0
-20°	4.6	3.9	3.1	2.3	1.5	0.8	0.0



REPORT NUMBER: P220327 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	4.5	3.8	3.0	2.2	1.5	0.7	0.0
-25°	4.4	3.7	3.0	2.2	1.4	0.7	0.0
-27.5°	4.3	3.6	2.9	2.1	1.4	0.7	0.0
-30°	4.2	3.6	2.8	2.1	1.4	0.7	0.0
-32.5°	4.1	3.5	2.7	2.0	1.3	0.7	0.0
-35°	4.0	3.4	2.6	2.0	1.3	0.7	0.0
-37.5°	3.9	3.3	2.6	1.9	1.3	0.6	0.0
-40°	3.8	3.1	2.5	1.8	1.2	0.6	0.0
-42.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-45°	3.5	2.9	2.3	1.7	1.1	0.6	0.0
-47.5°	3.3	2.7	2.2	1.6	1.1	0.5	0.0
-50°	3.1	2.6	2.1	1.5	1.0	0.5	0.0
-52.5°	3.0	2.4	1.9	1.5	1.0	0.5	0.0
-55°	2.8	2.3	1.8	1.4	0.9	0.5	0.0
-57.5°	2.6	2.1	1.7	1.3	0.9	0.4	0.0
-60°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
-62.5°	2.2	1.8	1.5	1.1	0.7	0.4	0.0
-65°	2.0	1.7	1.3	1.0	0.7	0.3	0.0
-67.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-70°	1.6	1.4	1.1	0.8	0.5	0.3	0.0
-72.5°	1.4	1.2	1.0	0.7	0.5	0.2	0.0
-75°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
-77.5°	1.0	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)