

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: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED3597-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29417)
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-LED3597-S-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	385.4 lumens	Max Intensity:	4863.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	38.5 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	14.3°H x 14.3°V	Field Angle (10%):	25.1°H x 25.1°V
Beam Lumens:	154.1 lumens	Field Lumens:	289.6 lumens
Beam Efficiency:	40.0%	Field Efficiency:	75.2%

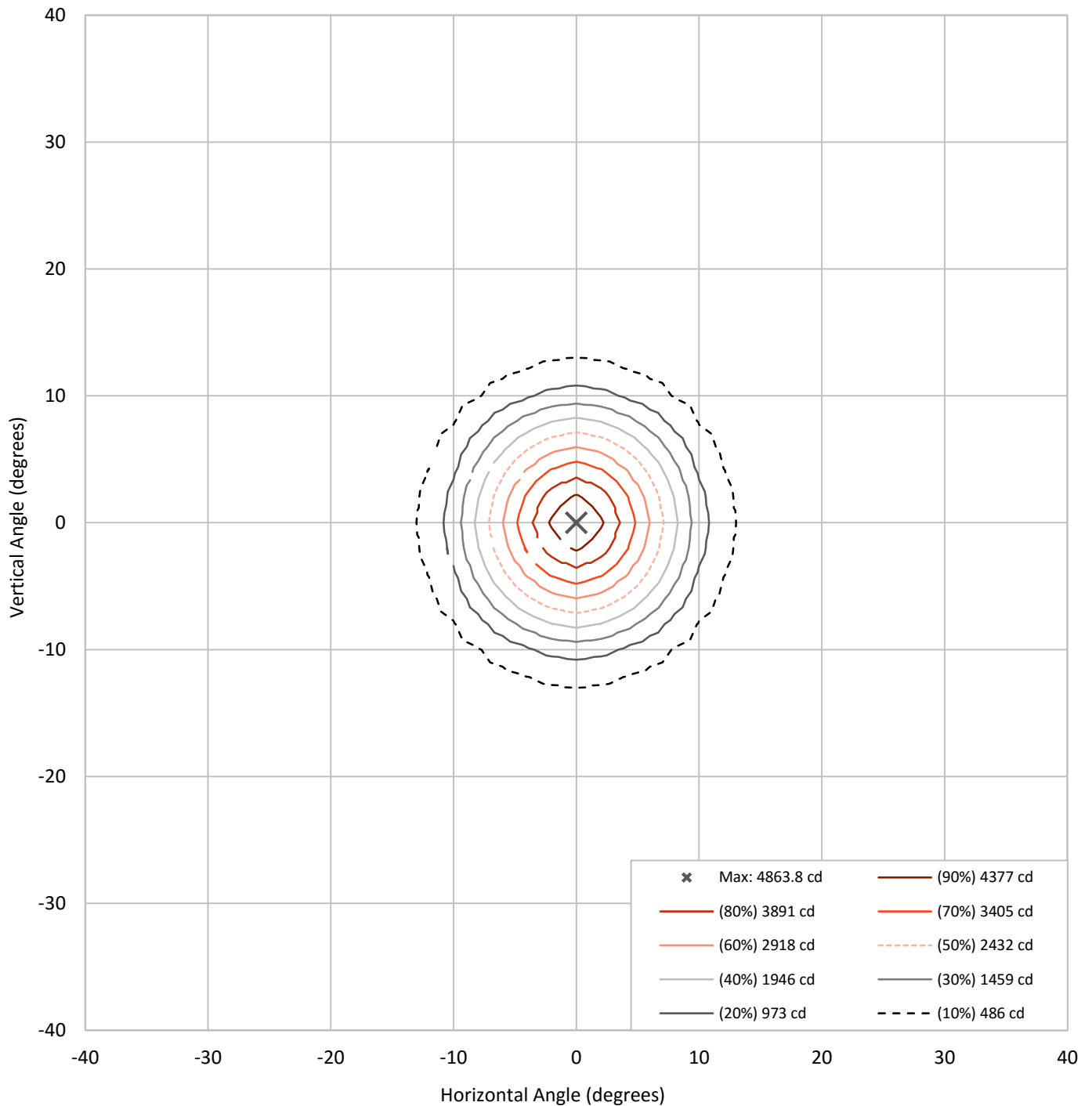
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-WT-L1-UNV

Iso-Candela Plot





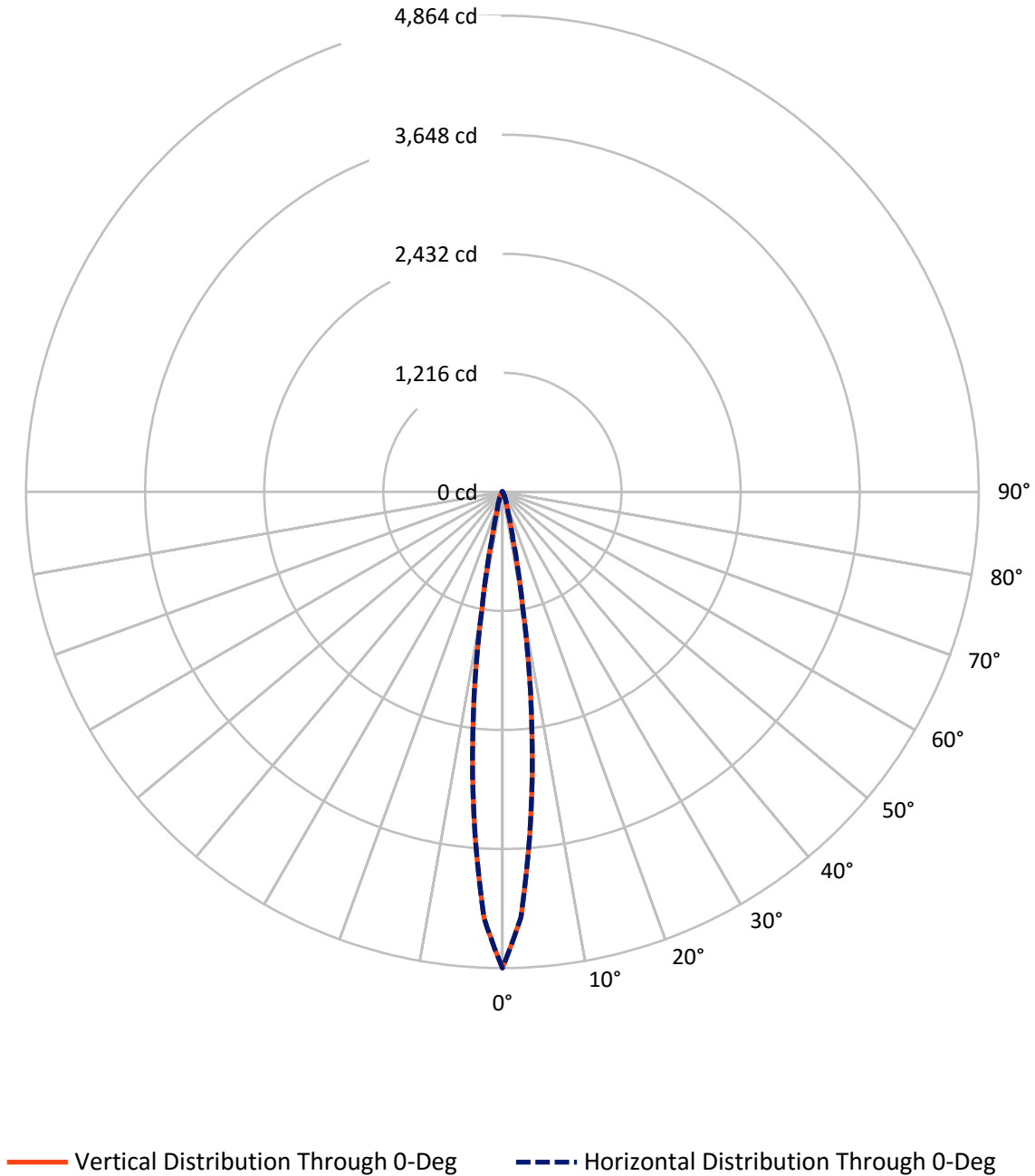
REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-WT-L1-UNV

Lumen Table

90	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0									
80	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0									
70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0			
60		0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0				
50	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0			
40		0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.1				
30	0.0	0.0	0.1	0.1	0.2	0.3	0.9	1.6	1.6	0.9	0.3	0.2	0.1	0.1	0.0			
20		0.0	0.1	0.1	0.2	0.8	3.1	8.7	8.7	3.1	0.8	0.2	0.1	0.1				
10	0.0	0.0	0.1	0.1	0.3	1.5	8.5	66.8	66.8	8.5	1.5	0.3	0.1	0.1	0.0			
0		0.0	0.1	0.1	0.3	1.5	8.5	66.8	66.8	8.5	1.5	0.3	0.1	0.1				
-10	0.0	0.0	0.1	0.1	0.2	0.8	3.1	8.7	8.7	3.1	0.8	0.2	0.1	0.1	0.0			
-20		0.0	0.1	0.1	0.2	0.3	0.9	1.6	1.6	0.9	0.3	0.2	0.1	0.1				
-30	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0			
-40		0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1				
-50	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0			
-60		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0				
-70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0			
-80		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0				
-90	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0									

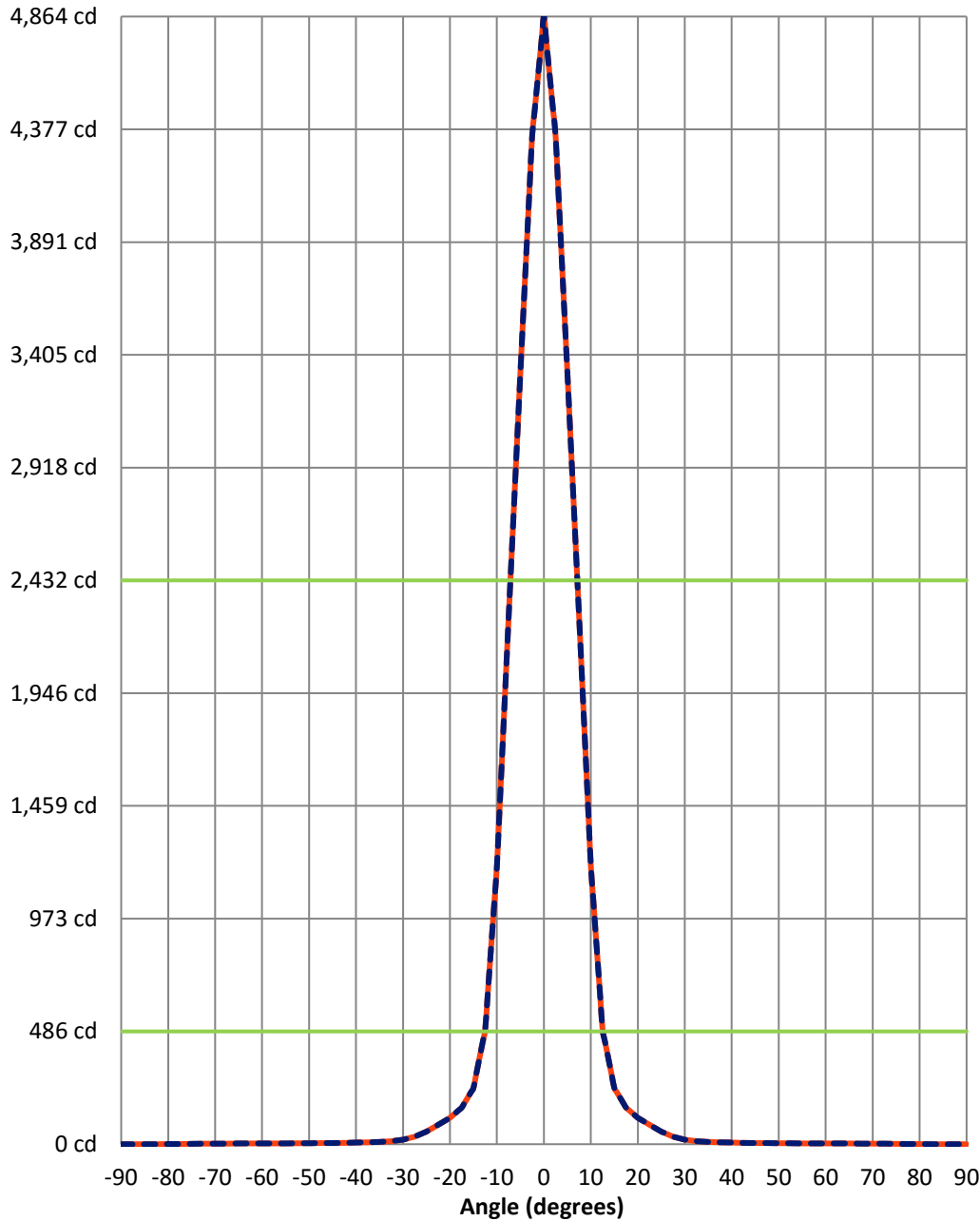
REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-WT-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-WT-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 14.3°
 V Angle: 14.3°
 Lumens: 154.1
 Efficiency: 40.0%

Field:
 H Angle: 25.1°
 V Angle: 25.1°
 Lumens: 289.6
 Efficiency: 75.2%

Spill:
 Lumens: 95.7
 Efficiency: 24.8%

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



REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	1
65°	0	0	0	0	0	0	0	0	0	1	1
62.5°	0	0	0	0	0	0	0	0	1	1	1
60°	0	0	0	0	0	0	0	0	1	1	1
57.5°	0	0	0	0	0	0	0	1	1	1	1
55°	0	0	0	0	0	0	0	1	1	1	1
52.5°	0	0	0	0	0	0	1	1	1	1	2
50°	0	0	0	0	0	0	1	1	1	1	2
47.5°	0	0	0	0	0	0	1	1	1	2	2
45°	0	0	0	0	0	0	1	1	1	2	2
42.5°	0	0	0	0	0	1	1	1	1	2	2
40°	0	0	0	0	0	1	1	1	2	2	2
37.5°	0	0	0	0	0	1	1	1	2	2	2
35°	0	0	0	0	0	1	1	1	2	2	2
32.5°	0	0	0	0	0	1	1	2	2	2	2
30°	0	0	0	0	0	1	1	2	2	2	2
27.5°	0	0	0	0	0	1	1	2	2	2	2
25°	0	0	0	0	0	1	1	2	2	2	2
22.5°	0	0	0	0	1	1	1	2	2	2	3
20°	0	0	0	0	1	1	1	2	2	2	3
17.5°	0	0	0	0	1	1	1	2	2	2	3
15°	0	0	0	0	1	1	1	2	2	2	3
12.5°	0	0	0	0	1	1	1	2	2	2	3
10°	0	0	0	0	1	1	2	2	2	2	3
7.5°	0	0	0	0	1	1	2	2	2	2	3
5°	0	0	0	0	1	1	2	2	2	2	3
2.5°	0	0	0	0	1	1	2	2	2	2	3
0°	0	0	0	0	1	1	2	2	2	2	3
-2.5°	0	0	0	0	1	1	2	2	2	2	3
-5°	0	0	0	0	1	1	2	2	2	2	3
-7.5°	0	0	0	0	1	1	2	2	2	2	3
-10°	0	0	0	0	1	1	2	2	2	2	3
-12.5°	0	0	0	0	1	1	1	2	2	2	3
-15°	0	0	0	0	1	1	1	2	2	2	3
-17.5°	0	0	0	0	1	1	1	2	2	2	3
-20°	0	0	0	0	1	1	1	2	2	2	3



REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-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	0	1	1	1	2	2	2	3
-25°	0	0	0	0	0	1	1	2	2	2	2
-27.5°	0	0	0	0	0	1	1	2	2	2	2
-30°	0	0	0	0	0	1	1	2	2	2	2
-32.5°	0	0	0	0	0	1	1	2	2	2	2
-35°	0	0	0	0	0	1	1	1	2	2	2
-37.5°	0	0	0	0	0	1	1	1	2	2	2
-40°	0	0	0	0	0	1	1	1	2	2	2
-42.5°	0	0	0	0	0	1	1	1	1	2	2
-45°	0	0	0	0	0	0	1	1	1	2	2
-47.5°	0	0	0	0	0	0	1	1	1	2	2
-50°	0	0	0	0	0	0	1	1	1	1	2
-52.5°	0	0	0	0	0	0	1	1	1	1	2
-55°	0	0	0	0	0	0	0	1	1	1	1
-57.5°	0	0	0	0	0	0	0	1	1	1	1
-60°	0	0	0	0	0	0	0	0	1	1	1
-62.5°	0	0	0	0	0	0	0	0	1	1	1
-65°	0	0	0	0	0	0	0	0	0	1	1
-67.5°	0	0	0	0	0	0	0	0	0	0	1
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	1	1	1
75°	0	0	0	0	1	1	1	1	1	1	1
72.5°	0	0	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	2	2
67.5°	1	1	1	1	1	1	2	2	2	2	2
65°	1	1	1	1	2	2	2	2	2	2	2
62.5°	1	1	1	2	2	2	2	2	2	2	2
60°	1	1	2	2	2	2	2	2	2	2	3
57.5°	1	2	2	2	2	2	2	2	3	3	3
55°	2	2	2	2	2	2	3	3	3	3	3
52.5°	2	2	2	2	2	3	3	3	3	3	3
50°	2	2	2	2	3	3	3	3	3	3	3
47.5°	2	2	2	3	3	3	3	3	3	3	3
45°	2	2	2	3	3	3	3	3	3	3	3
42.5°	2	2	3	3	3	3	3	3	3	3	4
40°	2	2	3	3	3	3	3	3	3	4	4
37.5°	2	3	3	3	3	3	3	3	4	4	4
35°	2	3	3	3	3	3	3	3	4	4	4
32.5°	3	3	3	3	3	3	3	4	4	4	5
30°	3	3	3	3	3	3	4	4	4	5	5
27.5°	3	3	3	3	3	3	4	4	4	5	5
25°	3	3	3	3	3	4	4	4	5	5	5
22.5°	3	3	3	3	3	4	4	4	5	5	6
20°	3	3	3	3	3	4	4	5	5	5	6
17.5°	3	3	3	3	3	4	4	5	5	6	7
15°	3	3	3	3	4	4	4	5	5	6	7
12.5°	3	3	3	3	4	4	5	5	5	6	8
10°	3	3	3	3	4	4	5	5	5	7	8
7.5°	3	3	3	3	4	4	5	5	6	7	8
5°	3	3	3	3	4	4	5	5	6	7	8
2.5°	3	3	3	3	4	4	5	5	6	7	8
0°	3	3	3	3	4	4	5	5	6	7	8
-2.5°	3	3	3	3	4	4	5	5	6	7	8
-5°	3	3	3	3	4	4	5	5	6	7	8
-7.5°	3	3	3	3	4	4	5	5	6	7	8
-10°	3	3	3	3	4	4	5	5	5	7	8
-12.5°	3	3	3	3	4	4	5	5	5	6	8
-15°	3	3	3	3	4	4	4	5	5	6	7
-17.5°	3	3	3	3	3	4	4	5	5	6	7
-20°	3	3	3	3	3	4	4	5	5	5	6



REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-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°	3	3	3	3	3	4	4	4	5	5	6
-25°	3	3	3	3	3	4	4	4	5	5	5
-27.5°	3	3	3	3	3	3	4	4	4	5	5
-30°	3	3	3	3	3	3	4	4	4	5	5
-32.5°	3	3	3	3	3	3	3	4	4	4	5
-35°	2	3	3	3	3	3	3	3	4	4	4
-37.5°	2	3	3	3	3	3	3	3	4	4	4
-40°	2	2	3	3	3	3	3	3	3	4	4
-42.5°	2	2	3	3	3	3	3	3	3	3	4
-45°	2	2	2	3	3	3	3	3	3	3	3
-47.5°	2	2	2	3	3	3	3	3	3	3	3
-50°	2	2	2	2	3	3	3	3	3	3	3
-52.5°	2	2	2	2	2	3	3	3	3	3	3
-55°	2	2	2	2	2	2	3	3	3	3	3
-57.5°	1	2	2	2	2	2	2	2	3	3	3
-60°	1	1	2	2	2	2	2	2	2	2	3
-62.5°	1	1	1	2	2	2	2	2	2	2	2
-65°	1	1	1	1	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	2	2	2	2	2
-70°	1	1	1	1	1	1	1	1	1	2	2
-72.5°	0	0	1	1	1	1	1	1	1	1	1
-75°	0	0	0	0	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	0	1	1	1
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	2
72.5°	1	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	3	3	3	3	3	3
62.5°	2	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	3	3	4	4	4
50°	3	3	3	3	4	4	4	4	4	4	4
47.5°	3	3	4	4	4	4	4	4	4	5	5
45°	3	4	4	4	4	4	5	5	5	5	5
42.5°	4	4	4	4	5	5	5	5	5	5	5
40°	4	4	5	5	5	5	5	6	6	6	7
37.5°	4	5	5	5	5	6	6	7	7	8	8
35°	5	5	5	5	6	7	7	8	8	9	9
32.5°	5	5	6	6	7	8	8	9	9	10	11
30°	5	6	6	7	8	9	9	11	12	14	16
27.5°	5	6	7	8	9	10	12	14	17	19	24
25°	6	7	8	9	10	12	15	19	25	31	39
22.5°	7	8	9	10	12	16	21	29	38	49	60
20°	7	8	9	12	15	21	30	43	57	73	86
17.5°	8	9	11	14	19	29	43	60	79	97	113
15°	8	9	12	17	25	38	57	79	101	124	149
12.5°	9	10	14	19	31	49	73	97	124	156	210
10°	9	11	16	24	39	60	86	113	149	210	298
7.5°	9	12	17	28	45	70	98	131	184	270	498
5°	10	13	19	30	50	78	107	146	215	362	797
2.5°	10	13	19	32	53	82	112	155	235	452	1091
0°	10	13	20	33	54	84	114	158	242	494	1200
-2.5°	10	13	19	32	53	82	112	155	235	452	1091
-5°	10	13	19	30	50	78	107	146	215	362	797
-7.5°	9	12	17	28	45	70	98	131	184	270	498
-10°	9	11	16	24	39	60	86	113	149	210	298
-12.5°	9	10	14	19	31	49	73	97	124	156	210
-15°	8	9	12	17	25	38	57	79	101	124	149
-17.5°	8	9	11	14	19	29	43	60	79	97	113
-20°	7	8	9	12	15	21	30	43	57	73	86



REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7	8	9	10	12	16	21	29	38	49	60
-25°	6	7	8	9	10	12	15	19	25	31	39
-27.5°	5	6	7	8	9	10	12	14	17	19	24
-30°	5	6	6	7	8	9	9	11	12	14	16
-32.5°	5	5	6	6	7	8	8	9	9	10	11
-35°	5	5	5	5	6	7	7	8	8	9	9
-37.5°	4	5	5	5	5	6	6	7	7	8	8
-40°	4	4	5	5	5	5	5	6	6	6	7
-42.5°	4	4	4	4	5	5	5	5	5	5	5
-45°	3	4	4	4	4	4	5	5	5	5	5
-47.5°	3	3	4	4	4	4	4	4	4	5	5
-50°	3	3	3	3	4	4	4	4	4	4	4
-52.5°	3	3	3	3	3	3	3	3	4	4	4
-55°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	2	3	3	3	3	3	3	3	3	3	3
-65°	2	2	2	2	2	3	3	3	3	3	3
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	1	2	2	2	2	2	2	2	2	2	2
-75°	1	1	1	1	1	1	1	1	1	1	2
-77.5°	1	1	1	1	1	1	1	1	1	1	1
-80°	0	0	0	0	0	1	1	1	1	1	1
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
75°	2	2	2	2	2	2	2	2	1	1	1
72.5°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
65°	3	3	3	3	3	3	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
52.5°	4	4	4	4	4	4	4	4	4	4	3
50°	4	4	4	4	4	4	4	4	4	4	4
47.5°	5	5	5	5	5	5	5	5	5	4	4
45°	5	5	5	5	5	5	5	5	5	5	5
42.5°	6	6	6	6	6	6	6	5	5	5	5
40°	7	7	7	7	7	7	7	7	6	6	6
37.5°	8	8	8	8	8	8	8	8	8	7	7
35°	9	10	10	10	10	10	9	9	9	8	8
32.5°	12	13	13	13	13	13	12	11	10	9	9
30°	17	19	19	20	19	19	17	16	14	12	11
27.5°	28	30	32	33	32	30	28	24	19	17	14
25°	45	50	53	54	53	50	45	39	31	25	19
22.5°	70	78	82	84	82	78	70	60	49	38	29
20°	98	107	112	114	112	107	98	86	73	57	43
17.5°	131	146	155	158	155	146	131	113	97	79	60
15°	184	215	235	242	235	215	184	149	124	101	79
12.5°	270	362	452	494	452	362	270	210	156	124	97
10°	498	797	1091	1200	1091	797	498	298	210	149	113
7.5°	988	1614	2098	2275	2098	1614	988	498	270	184	131
5°	1614	2465	3086	3330	3086	2465	1614	797	362	215	146
2.5°	2098	3086	3944	4348	3944	3086	2098	1091	452	235	155
0°	2275	3330	4348	4864	4348	3330	2275	1200	494	242	158
-2.5°	2098	3086	3944	4348	3944	3086	2098	1091	452	235	155
-5°	1614	2465	3086	3330	3086	2465	1614	797	362	215	146
-7.5°	988	1614	2098	2275	2098	1614	988	498	270	184	131
-10°	498	797	1091	1200	1091	797	498	298	210	149	113
-12.5°	270	362	452	494	452	362	270	210	156	124	97
-15°	184	215	235	242	235	215	184	149	124	101	79
-17.5°	131	146	155	158	155	146	131	113	97	79	60
-20°	98	107	112	114	112	107	98	86	73	57	43



REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-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°	70	78	82	84	82	78	70	60	49	38	29
-25°	45	50	53	54	53	50	45	39	31	25	19
-27.5°	28	30	32	33	32	30	28	24	19	17	14
-30°	17	19	19	20	19	19	17	16	14	12	11
-32.5°	12	13	13	13	13	13	12	11	10	9	9
-35°	9	10	10	10	10	10	9	9	9	8	8
-37.5°	8	8	8	8	8	8	8	8	8	7	7
-40°	7	7	7	7	7	7	7	7	6	6	6
-42.5°	6	6	6	6	6	6	6	5	5	5	5
-45°	5	5	5	5	5	5	5	5	5	5	5
-47.5°	5	5	5	5	5	5	5	5	5	4	4
-50°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	4	4	4	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	3	3
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	1	1	0	0	0	0	0	0	0	0	0
77.5°	1	1	1	1	1	1	1	1	1	1	0
75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	2	2	2	2	2	2	1	1	1	1	1
70°	2	2	2	2	2	2	2	2	2	1	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
65°	3	3	2	2	2	2	2	2	2	2	2
62.5°	3	3	3	3	3	3	2	2	2	2	2
60°	3	3	3	3	3	3	3	3	2	2	2
57.5°	3	3	3	3	3	3	3	3	3	3	2
55°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	3	3	3	3	3
50°	4	4	4	3	3	3	3	3	3	3	3
47.5°	4	4	4	4	4	3	3	3	3	3	3
45°	5	4	4	4	4	4	3	3	3	3	3
42.5°	5	5	5	4	4	4	4	4	3	3	3
40°	5	5	5	5	5	4	4	4	4	3	3
37.5°	6	6	5	5	5	5	4	4	4	4	3
35°	7	7	6	5	5	5	5	4	4	4	3
32.5°	8	8	7	6	6	5	5	5	4	4	4
30°	9	9	8	7	6	6	5	5	5	4	4
27.5°	12	10	9	8	7	6	5	5	5	4	4
25°	15	12	10	9	8	7	6	5	5	5	4
22.5°	21	16	12	10	9	8	7	6	5	5	4
20°	30	21	15	12	9	8	7	6	5	5	5
17.5°	43	29	19	14	11	9	8	7	6	5	5
15°	57	38	25	17	12	9	8	7	6	5	5
12.5°	73	49	31	19	14	10	9	8	6	5	5
10°	86	60	39	24	16	11	9	8	7	5	5
7.5°	98	70	45	28	17	12	9	8	7	6	5
5°	107	78	50	30	19	13	10	8	7	6	5
2.5°	112	82	53	32	19	13	10	8	7	6	5
0°	114	84	54	33	20	13	10	8	7	6	5
-2.5°	112	82	53	32	19	13	10	8	7	6	5
-5°	107	78	50	30	19	13	10	8	7	6	5
-7.5°	98	70	45	28	17	12	9	8	7	6	5
-10°	86	60	39	24	16	11	9	8	7	5	5
-12.5°	73	49	31	19	14	10	9	8	6	5	5
-15°	57	38	25	17	12	9	8	7	6	5	5
-17.5°	43	29	19	14	11	9	8	7	6	5	5
-20°	30	21	15	12	9	8	7	6	5	5	5



REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	21	16	12	10	9	8	7	6	5	5	4
-25°	15	12	10	9	8	7	6	5	5	5	4
-27.5°	12	10	9	8	7	6	5	5	5	4	4
-30°	9	9	8	7	6	6	5	5	5	4	4
-32.5°	8	8	7	6	6	5	5	5	4	4	4
-35°	7	7	6	5	5	5	5	4	4	4	3
-37.5°	6	6	5	5	5	5	4	4	4	4	3
-40°	5	5	5	5	5	4	4	4	4	3	3
-42.5°	5	5	5	4	4	4	4	4	3	3	3
-45°	5	4	4	4	4	4	3	3	3	3	3
-47.5°	4	4	4	4	4	3	3	3	3	3	3
-50°	4	4	4	3	3	3	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	2
-60°	3	3	3	3	3	3	3	3	2	2	2
-62.5°	3	3	3	3	3	3	2	2	2	2	2
-65°	3	3	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	1	1
-72.5°	2	2	2	2	2	2	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	0
-80°	1	1	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	1	1	1	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	0	0	0	0	0	0
70°	1	1	1	1	1	1	1	0	0	0	0
67.5°	2	1	1	1	1	1	1	1	0	0	0
65°	2	2	2	1	1	1	1	1	1	0	0
62.5°	2	2	2	2	1	1	1	1	1	1	0
60°	2	2	2	2	2	1	1	1	1	1	0
57.5°	2	2	2	2	2	2	1	1	1	1	1
55°	3	2	2	2	2	2	2	1	1	1	1
52.5°	3	3	2	2	2	2	2	2	1	1	1
50°	3	3	3	2	2	2	2	2	1	1	1
47.5°	3	3	3	3	2	2	2	2	2	1	1
45°	3	3	3	3	2	2	2	2	2	1	1
42.5°	3	3	3	3	3	2	2	2	2	1	1
40°	3	3	3	3	3	2	2	2	2	2	1
37.5°	3	3	3	3	3	3	2	2	2	2	1
35°	3	3	3	3	3	3	2	2	2	2	1
32.5°	3	3	3	3	3	3	3	2	2	2	2
30°	4	3	3	3	3	3	3	2	2	2	2
27.5°	4	3	3	3	3	3	3	2	2	2	2
25°	4	4	3	3	3	3	3	2	2	2	2
22.5°	4	4	3	3	3	3	3	3	2	2	2
20°	4	4	3	3	3	3	3	3	2	2	2
17.5°	4	4	3	3	3	3	3	3	2	2	2
15°	4	4	4	3	3	3	3	3	2	2	2
12.5°	5	4	4	3	3	3	3	3	2	2	2
10°	5	4	4	3	3	3	3	3	2	2	2
7.5°	5	4	4	3	3	3	3	3	2	2	2
5°	5	4	4	3	3	3	3	3	2	2	2
2.5°	5	4	4	3	3	3	3	3	2	2	2
0°	5	4	4	3	3	3	3	3	2	2	2
-2.5°	5	4	4	3	3	3	3	3	2	2	2
-5°	5	4	4	3	3	3	3	3	2	2	2
-7.5°	5	4	4	3	3	3	3	3	2	2	2
-10°	5	4	4	3	3	3	3	3	2	2	2
-12.5°	5	4	4	3	3	3	3	3	2	2	2
-15°	4	4	4	3	3	3	3	3	2	2	2
-17.5°	4	4	3	3	3	3	3	3	2	2	2
-20°	4	4	3	3	3	3	3	3	2	2	2



REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-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°	4	4	3	3	3	3	3	3	2	2	2
-25°	4	4	3	3	3	3	3	2	2	2	2
-27.5°	4	3	3	3	3	3	3	2	2	2	2
-30°	4	3	3	3	3	3	3	2	2	2	2
-32.5°	3	3	3	3	3	3	3	2	2	2	2
-35°	3	3	3	3	3	3	2	2	2	2	1
-37.5°	3	3	3	3	3	3	2	2	2	2	1
-40°	3	3	3	3	3	2	2	2	2	2	1
-42.5°	3	3	3	3	3	2	2	2	2	1	1
-45°	3	3	3	3	2	2	2	2	2	1	1
-47.5°	3	3	3	3	2	2	2	2	2	1	1
-50°	3	3	3	2	2	2	2	2	1	1	1
-52.5°	3	3	2	2	2	2	2	2	1	1	1
-55°	3	2	2	2	2	2	2	1	1	1	1
-57.5°	2	2	2	2	2	2	1	1	1	1	1
-60°	2	2	2	2	2	1	1	1	1	1	0
-62.5°	2	2	2	2	1	1	1	1	1	1	0
-65°	2	2	2	1	1	1	1	1	1	0	0
-67.5°	2	1	1	1	1	1	1	1	0	0	0
-70°	1	1	1	1	1	1	1	0	0	0	0
-72.5°	1	1	1	1	1	0	0	0	0	0	0
-75°	1	1	1	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0
52.5°	1	0	0	0	0	0	0
50°	1	0	0	0	0	0	0
47.5°	1	0	0	0	0	0	0
45°	1	0	0	0	0	0	0
42.5°	1	1	0	0	0	0	0
40°	1	1	0	0	0	0	0
37.5°	1	1	0	0	0	0	0
35°	1	1	0	0	0	0	0
32.5°	1	1	0	0	0	0	0
30°	1	1	0	0	0	0	0
27.5°	1	1	0	0	0	0	0
25°	1	1	0	0	0	0	0
22.5°	1	1	1	0	0	0	0
20°	1	1	1	0	0	0	0
17.5°	1	1	1	0	0	0	0
15°	1	1	1	0	0	0	0
12.5°	1	1	1	0	0	0	0
10°	2	1	1	0	0	0	0
7.5°	2	1	1	0	0	0	0
5°	2	1	1	0	0	0	0
2.5°	2	1	1	0	0	0	0
0°	2	1	1	0	0	0	0
-2.5°	2	1	1	0	0	0	0
-5°	2	1	1	0	0	0	0
-7.5°	2	1	1	0	0	0	0
-10°	2	1	1	0	0	0	0
-12.5°	1	1	1	0	0	0	0
-15°	1	1	1	0	0	0	0
-17.5°	1	1	1	0	0	0	0
-20°	1	1	1	0	0	0	0



REPORT NUMBER: P220375 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1	1	1	0	0	0	0
-25°	1	1	0	0	0	0	0
-27.5°	1	1	0	0	0	0	0
-30°	1	1	0	0	0	0	0
-32.5°	1	1	0	0	0	0	0
-35°	1	1	0	0	0	0	0
-37.5°	1	1	0	0	0	0	0
-40°	1	1	0	0	0	0	0
-42.5°	1	1	0	0	0	0	0
-45°	1	0	0	0	0	0	0
-47.5°	1	0	0	0	0	0	0
-50°	1	0	0	0	0	0	0
-52.5°	1	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)