

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: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED2797-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220373 (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-LED2797-S-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	342.3 lumens	Max Intensity:	4319.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	34.2 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:	136.9 lumens	Field Lumens:	257.2 lumens
Beam Efficiency:	40.0%	Field Efficiency:	75.2%

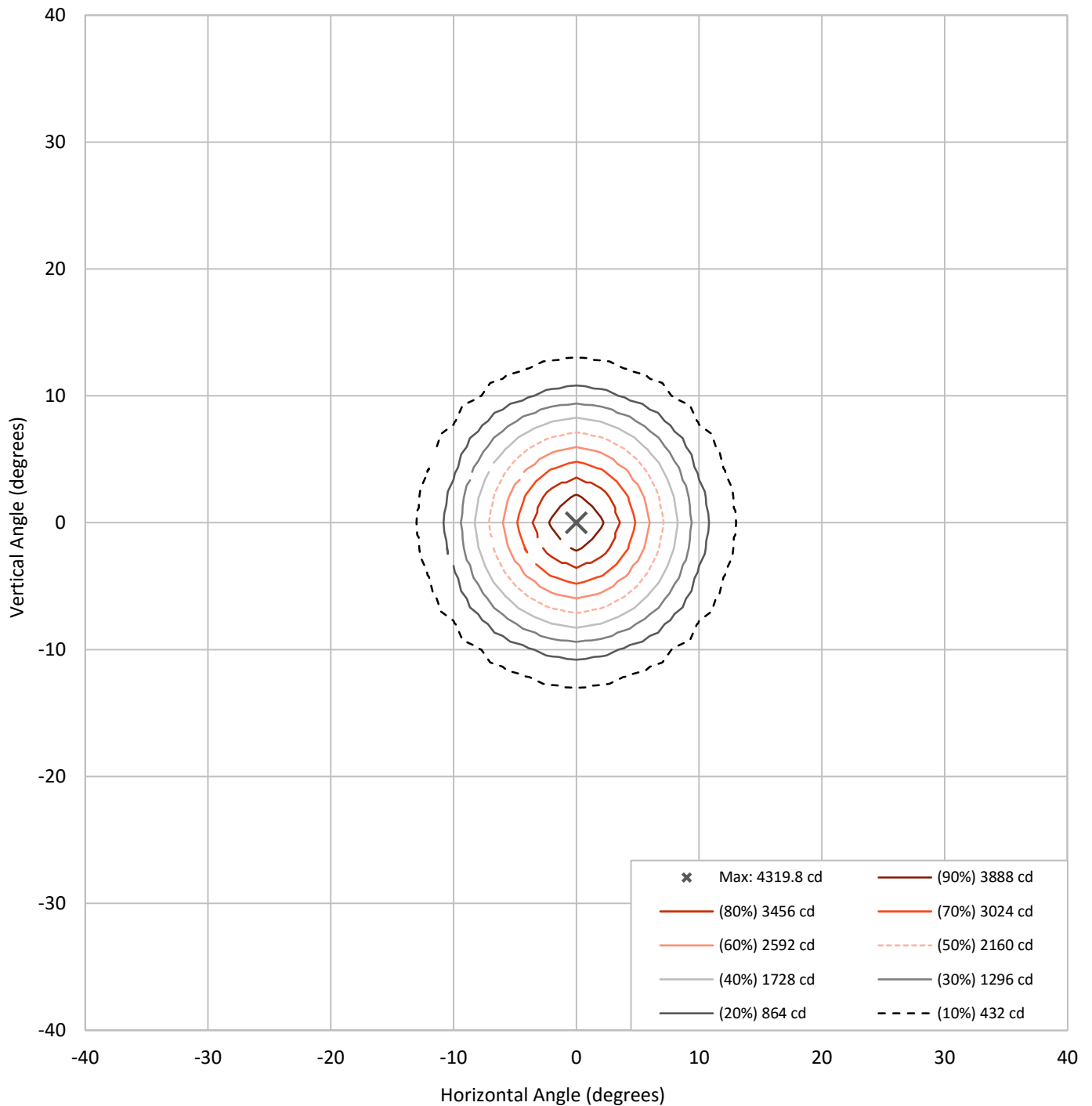
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-WT-L1-UNV

Iso-Candela Plot





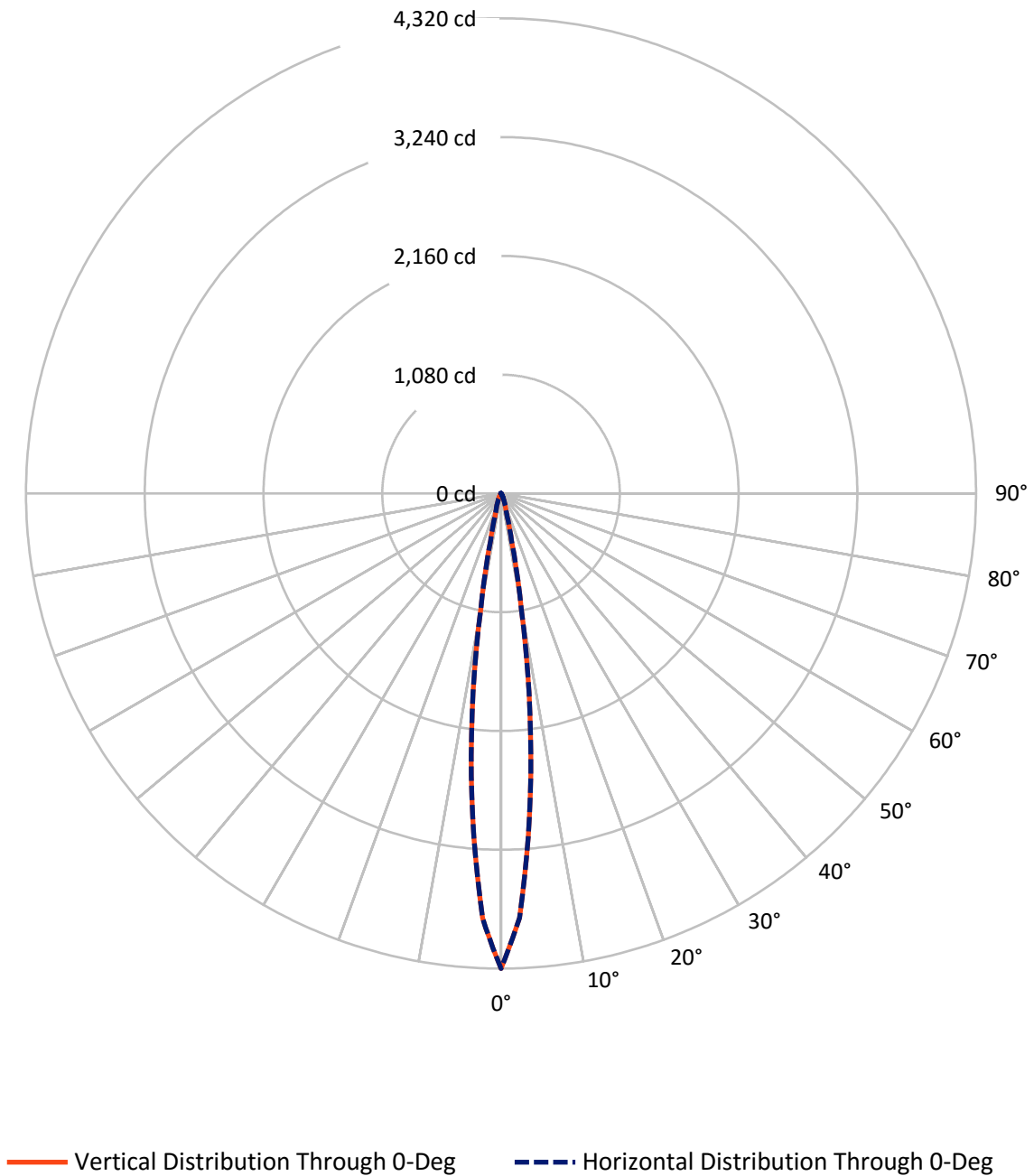
REPORT NUMBER: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-WT-L1-UNV

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	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0				
40		0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.0					0.0
30	0.0	0.0	0.1	0.1	0.1	0.3	0.8	1.4	1.4	0.8	0.3	0.1	0.1	0.1	0.0	0.0			
20		0.0	0.1	0.1	0.2	0.7	2.8	7.8	7.8	2.8	0.7	0.2	0.1	0.1	0.0				
10	0.0	0.0	0.1	0.1	0.2	1.3	7.6	59.3	59.3	7.6	1.3	0.2	0.1	0.1	0.0	0.0			
0		0.0	0.1	0.1	0.2	1.3	7.6	59.3	59.3	7.6	1.3	0.2	0.1	0.1	0.0				
-10	0.0	0.0	0.1	0.1	0.2	0.7	2.8	7.8	7.8	2.8	0.7	0.2	0.1	0.1	0.0	0.0			
-20		0.0	0.1	0.1	0.1	0.3	0.8	1.4	1.4	0.8	0.3	0.1	0.1	0.1	0.0				
-30	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0			
-40		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				
-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	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	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										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

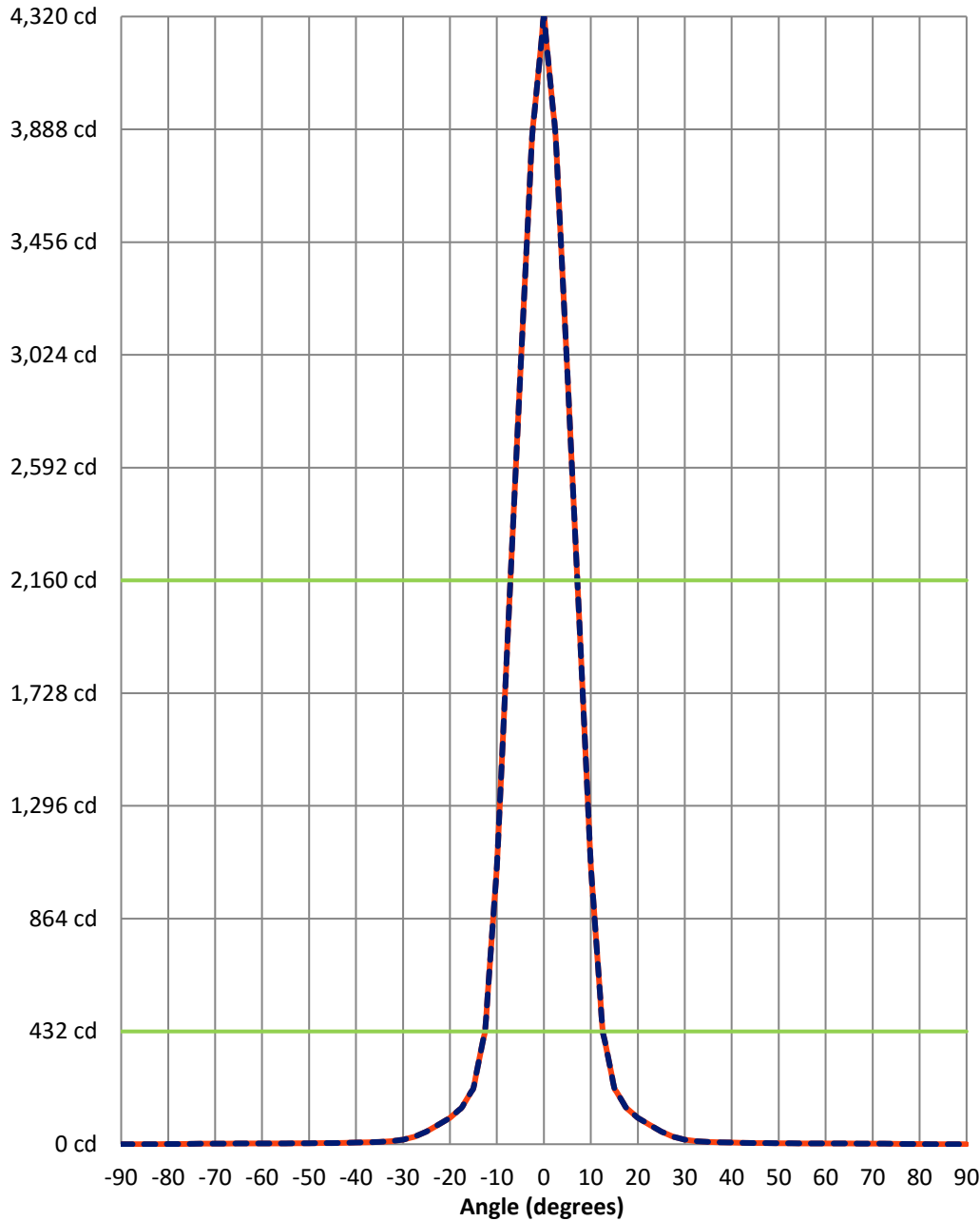
REPORT NUMBER: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-WT-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-WT-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 14.3°
 V Angle: 14.3°
 Lumens: 136.9
 Efficiency: 40.0%

Field:
 H Angle: 25.1°
 V Angle: 25.1°
 Lumens: 257.2
 Efficiency: 75.2%

Spill:
 Lumens: 85
 Efficiency: 24.8%

- 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
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	0	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	0	1	1	1	1
50°	0	0	0	0	0	0	1	1	1	1	2
47.5°	0	0	0	0	0	0	1	1	1	1	2
45°	0	0	0	0	0	0	1	1	1	2	2
42.5°	0	0	0	0	0	0	1	1	1	2	2
40°	0	0	0	0	0	1	1	1	1	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	1	2	2	2
30°	0	0	0	0	0	1	1	1	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	0	1	1	2	2	2	2
20°	0	0	0	0	1	1	1	2	2	2	2
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	1	2	2	2	3
7.5°	0	0	0	0	1	1	1	2	2	2	3
5°	0	0	0	0	1	1	1	2	2	2	3
2.5°	0	0	0	0	1	1	1	2	2	2	3
0°	0	0	0	0	1	1	1	2	2	2	3
-2.5°	0	0	0	0	1	1	1	2	2	2	3
-5°	0	0	0	0	1	1	1	2	2	2	3
-7.5°	0	0	0	0	1	1	1	2	2	2	3
-10°	0	0	0	0	1	1	1	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	2



REPORT NUMBER: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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	0	1	1	2	2	2	2
-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	1	2	2	2
-32.5°	0	0	0	0	0	1	1	1	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	1	2	2
-42.5°	0	0	0	0	0	0	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	1	2
-50°	0	0	0	0	0	0	1	1	1	1	2
-52.5°	0	0	0	0	0	0	0	1	1	1	1
-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	0	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: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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	0	1	1
75°	0	0	0	0	0	1	1	1	1	1	1
72.5°	0	0	1	1	1	1	1	1	1	1	1
70°	0	1	1	1	1	1	1	1	1	1	2
67.5°	1	1	1	1	1	1	1	2	2	2	2
65°	1	1	1	1	1	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	2
57.5°	1	2	2	2	2	2	2	2	2	3	3
55°	2	2	2	2	2	2	2	3	3	3	3
52.5°	2	2	2	2	2	2	3	3	3	3	3
50°	2	2	2	2	2	3	3	3	3	3	3
47.5°	2	2	2	2	3	3	3	3	3	3	3
45°	2	2	2	3	3	3	3	3	3	3	3
42.5°	2	2	2	3	3	3	3	3	3	3	3
40°	2	2	3	3	3	3	3	3	3	3	4
37.5°	2	2	3	3	3	3	3	3	3	4	4
35°	2	3	3	3	3	3	3	3	4	4	4
32.5°	2	3	3	3	3	3	3	3	4	4	4
30°	2	3	3	3	3	3	3	4	4	4	4
27.5°	3	3	3	3	3	3	3	4	4	4	4
25°	3	3	3	3	3	3	4	4	4	4	5
22.5°	3	3	3	3	3	3	4	4	4	4	5
20°	3	3	3	3	3	4	4	4	4	5	5
17.5°	3	3	3	3	3	4	4	4	4	5	6
15°	3	3	3	3	3	4	4	4	4	5	7
12.5°	3	3	3	3	3	4	4	4	5	6	7
10°	3	3	3	3	3	4	4	4	5	6	7
7.5°	3	3	3	3	3	4	4	4	5	6	7
5°	3	3	3	3	4	4	4	4	5	6	7
2.5°	3	3	3	3	4	4	4	4	5	6	7
0°	3	3	3	3	4	4	4	4	5	7	7
-2.5°	3	3	3	3	4	4	4	4	5	6	7
-5°	3	3	3	3	4	4	4	4	5	6	7
-7.5°	3	3	3	3	3	4	4	4	5	6	7
-10°	3	3	3	3	3	4	4	4	5	6	7
-12.5°	3	3	3	3	3	4	4	4	5	6	7
-15°	3	3	3	3	3	4	4	4	4	5	7
-17.5°	3	3	3	3	3	4	4	4	4	5	6
-20°	3	3	3	3	3	4	4	4	4	5	5



REPORT NUMBER: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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	3	4	4	4	4	5
-25°	3	3	3	3	3	3	4	4	4	4	5
-27.5°	3	3	3	3	3	3	3	4	4	4	4
-30°	2	3	3	3	3	3	3	4	4	4	4
-32.5°	2	3	3	3	3	3	3	3	4	4	4
-35°	2	3	3	3	3	3	3	3	4	4	4
-37.5°	2	2	3	3	3	3	3	3	3	4	4
-40°	2	2	3	3	3	3	3	3	3	3	4
-42.5°	2	2	2	3	3	3	3	3	3	3	3
-45°	2	2	2	3	3	3	3	3	3	3	3
-47.5°	2	2	2	2	3	3	3	3	3	3	3
-50°	2	2	2	2	2	3	3	3	3	3	3
-52.5°	2	2	2	2	2	2	3	3	3	3	3
-55°	2	2	2	2	2	2	2	3	3	3	3
-57.5°	1	2	2	2	2	2	2	2	2	2	3
-60°	1	1	2	2	2	2	2	2	2	2	2
-62.5°	1	1	1	2	2	2	2	2	2	2	2
-65°	1	1	1	1	1	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	2	2	2	2
-70°	0	1	1	1	1	1	1	1	1	1	2
-72.5°	0	0	1	1	1	1	1	1	1	1	1
-75°	0	0	0	0	0	1	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	0	0	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: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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	0	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	1
72.5°	1	1	1	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	2	2	3	3	3	3
62.5°	2	2	2	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	3	3	3
50°	3	3	3	3	3	3	4	4	4	4	4
47.5°	3	3	3	3	4	4	4	4	4	4	4
45°	3	3	4	4	4	4	4	4	4	4	4
42.5°	4	4	4	4	4	4	4	4	4	5	5
40°	4	4	4	4	4	4	5	5	5	6	6
37.5°	4	4	4	4	5	5	5	6	7	7	7
35°	4	4	4	5	5	6	7	7	7	8	8
32.5°	4	4	5	6	6	7	7	8	8	9	10
30°	4	5	6	7	7	8	8	9	11	12	14
27.5°	5	6	7	7	8	9	10	12	15	17	21
25°	5	6	7	8	9	11	14	17	22	28	34
22.5°	6	7	8	9	11	14	18	26	34	44	53
20°	7	7	8	10	14	18	27	38	50	64	77
17.5°	7	8	9	12	17	26	38	53	70	86	100
15°	7	8	11	15	22	34	50	70	89	110	133
12.5°	8	9	12	17	28	44	64	86	110	138	186
10°	8	10	14	21	34	53	77	100	133	186	265
7.5°	8	11	15	25	40	62	87	117	163	240	442
5°	9	11	16	27	45	69	95	129	191	321	708
2.5°	9	11	17	28	47	73	99	137	209	401	969
0°	9	12	17	29	48	74	101	140	215	438	1066
-2.5°	9	11	17	28	47	73	99	137	209	401	969
-5°	9	11	16	27	45	69	95	129	191	321	708
-7.5°	8	11	15	25	40	62	87	117	163	240	442
-10°	8	10	14	21	34	53	77	100	133	186	265
-12.5°	8	9	12	17	28	44	64	86	110	138	186
-15°	7	8	11	15	22	34	50	70	89	110	133
-17.5°	7	8	9	12	17	26	38	53	70	86	100
-20°	7	7	8	10	14	18	27	38	50	64	77



REPORT NUMBER: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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°	6	7	8	9	11	14	18	26	34	44	53
-25°	5	6	7	8	9	11	14	17	22	28	34
-27.5°	5	6	7	7	8	9	10	12	15	17	21
-30°	4	5	6	7	7	8	8	9	11	12	14
-32.5°	4	4	5	6	6	7	7	8	8	9	10
-35°	4	4	4	5	5	6	7	7	7	8	8
-37.5°	4	4	4	4	5	5	5	6	7	7	7
-40°	4	4	4	4	4	4	5	5	5	6	6
-42.5°	4	4	4	4	4	4	4	4	4	5	5
-45°	3	3	4	4	4	4	4	4	4	4	4
-47.5°	3	3	3	3	4	4	4	4	4	4	4
-50°	3	3	3	3	3	3	4	4	4	4	4
-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	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	2	2	2	3	3	3	3	3	3	3	3
-65°	2	2	2	2	2	2	2	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	1	1	2	2	2	2	2	2	2	2
-75°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1
-80°	0	0	0	0	0	0	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: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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°	1	1	1	1	1	1	1	1	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°	3	4	4	4	4	4	3	3	3	3	3
50°	4	4	4	4	4	4	4	4	4	4	4
47.5°	4	4	4	4	4	4	4	4	4	4	4
45°	4	4	4	4	4	4	4	4	4	4	4
42.5°	5	5	5	5	5	5	5	5	5	4	4
40°	6	6	6	7	6	6	6	6	6	5	5
37.5°	7	7	7	7	7	7	7	7	7	7	6
35°	8	9	9	9	9	9	8	8	8	7	7
32.5°	11	11	11	12	11	11	11	10	9	8	8
30°	15	16	17	17	17	16	15	14	12	11	9
27.5°	25	27	28	29	28	27	25	21	17	15	12
25°	40	45	47	48	47	45	40	34	28	22	17
22.5°	62	69	73	74	73	69	62	53	44	34	26
20°	87	95	99	101	99	95	87	77	64	50	38
17.5°	117	129	137	140	137	129	117	100	86	70	53
15°	163	191	209	215	209	191	163	133	110	89	70
12.5°	240	321	401	438	401	321	240	186	138	110	86
10°	442	708	969	1066	969	708	442	265	186	133	100
7.5°	878	1433	1863	2021	1863	1433	878	442	240	163	117
5°	1433	2190	2741	2957	2741	2190	1433	708	321	191	129
2.5°	1863	2741	3503	3862	3503	2741	1863	969	401	209	137
0°	2021	2957	3862	4320	3862	2957	2021	1066	438	215	140
-2.5°	1863	2741	3503	3862	3503	2741	1863	969	401	209	137
-5°	1433	2190	2741	2957	2741	2190	1433	708	321	191	129
-7.5°	878	1433	1863	2021	1863	1433	878	442	240	163	117
-10°	442	708	969	1066	969	708	442	265	186	133	100
-12.5°	240	321	401	438	401	321	240	186	138	110	86
-15°	163	191	209	215	209	191	163	133	110	89	70
-17.5°	117	129	137	140	137	129	117	100	86	70	53
-20°	87	95	99	101	99	95	87	77	64	50	38



REPORT NUMBER: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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°	62	69	73	74	73	69	62	53	44	34	26
-25°	40	45	47	48	47	45	40	34	28	22	17
-27.5°	25	27	28	29	28	27	25	21	17	15	12
-30°	15	16	17	17	17	16	15	14	12	11	9
-32.5°	11	11	11	12	11	11	11	10	9	8	8
-35°	8	9	9	9	9	9	8	8	8	7	7
-37.5°	7	7	7	7	7	7	7	7	7	7	6
-40°	6	6	6	7	6	6	6	6	6	5	5
-42.5°	5	5	5	5	5	5	5	5	5	4	4
-45°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	4	4
-50°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	3	4	4	4	4	4	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	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°	1	1	1	1	1	1	1	1	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: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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	0	0	0	0	0	0	0	0	0	0
77.5°	1	1	1	1	1	1	1	1	1	0	0
75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	2	2	2	2	1	1	1	1	1	1	1
70°	2	2	2	2	2	2	2	2	1	1	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
62.5°	3	3	3	3	2	2	2	2	2	2	2
60°	3	3	3	3	3	3	3	2	2	2	2
57.5°	3	3	3	3	3	3	3	3	3	2	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	3	3	3	3	3	3	3	3	3	3
47.5°	4	4	4	3	3	3	3	3	3	3	3
45°	4	4	4	4	4	3	3	3	3	3	3
42.5°	4	4	4	4	4	4	4	3	3	3	3
40°	5	4	4	4	4	4	4	4	3	3	3
37.5°	5	5	5	4	4	4	4	4	4	3	3
35°	7	6	5	5	4	4	4	4	4	4	3
32.5°	7	7	6	6	5	4	4	4	4	4	3
30°	8	8	7	7	6	5	4	4	4	4	4
27.5°	10	9	8	7	7	6	5	4	4	4	4
25°	14	11	9	8	7	6	5	5	4	4	4
22.5°	18	14	11	9	8	7	6	5	4	4	4
20°	27	18	14	10	8	7	7	5	5	4	4
17.5°	38	26	17	12	9	8	7	6	5	4	4
15°	50	34	22	15	11	8	7	7	5	4	4
12.5°	64	44	28	17	12	9	8	7	6	5	4
10°	77	53	34	21	14	10	8	7	6	5	4
7.5°	87	62	40	25	15	11	8	7	6	5	4
5°	95	69	45	27	16	11	9	7	6	5	4
2.5°	99	73	47	28	17	11	9	7	6	5	4
0°	101	74	48	29	17	12	9	7	7	5	4
-2.5°	99	73	47	28	17	11	9	7	6	5	4
-5°	95	69	45	27	16	11	9	7	6	5	4
-7.5°	87	62	40	25	15	11	8	7	6	5	4
-10°	77	53	34	21	14	10	8	7	6	5	4
-12.5°	64	44	28	17	12	9	8	7	6	5	4
-15°	50	34	22	15	11	8	7	7	5	4	4
-17.5°	38	26	17	12	9	8	7	6	5	4	4
-20°	27	18	14	10	8	7	7	5	5	4	4



REPORT NUMBER: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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°	18	14	11	9	8	7	6	5	4	4	4
-25°	14	11	9	8	7	6	5	5	4	4	4
-27.5°	10	9	8	7	7	6	5	4	4	4	4
-30°	8	8	7	7	6	5	4	4	4	4	4
-32.5°	7	7	6	6	5	4	4	4	4	4	3
-35°	7	6	5	5	4	4	4	4	4	4	3
-37.5°	5	5	5	4	4	4	4	4	4	3	3
-40°	5	4	4	4	4	4	4	4	3	3	3
-42.5°	4	4	4	4	4	4	4	3	3	3	3
-45°	4	4	4	4	4	3	3	3	3	3	3
-47.5°	4	4	4	3	3	3	3	3	3	3	3
-50°	4	3	3	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	2	2
-60°	3	3	3	3	3	3	3	2	2	2	2
-62.5°	3	3	3	3	2	2	2	2	2	2	2
-65°	2	2	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	1	1	1
-72.5°	2	2	2	2	1	1	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	0	0
-80°	1	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: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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	0	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	0	0	0	0	0
67.5°	1	1	1	1	1	1	1	1	0	0	0
65°	2	2	1	1	1	1	1	1	1	0	0
62.5°	2	2	2	2	1	1	1	1	1	0	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°	2	2	2	2	2	2	2	1	1	1	1
52.5°	3	2	2	2	2	2	2	1	1	1	1
50°	3	3	2	2	2	2	2	2	1	1	1
47.5°	3	3	3	2	2	2	2	2	1	1	1
45°	3	3	3	3	2	2	2	2	2	1	1
42.5°	3	3	3	3	2	2	2	2	2	1	1
40°	3	3	3	3	3	2	2	2	2	1	1
37.5°	3	3	3	3	3	2	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	2	2	2	2	1
30°	3	3	3	3	3	3	2	2	2	2	1
27.5°	3	3	3	3	3	3	3	2	2	2	2
25°	4	3	3	3	3	3	3	2	2	2	2
22.5°	4	3	3	3	3	3	3	2	2	2	2
20°	4	4	3	3	3	3	3	2	2	2	2
17.5°	4	4	3	3	3	3	3	3	2	2	2
15°	4	4	3	3	3	3	3	3	2	2	2
12.5°	4	4	3	3	3	3	3	3	2	2	2
10°	4	4	3	3	3	3	3	3	2	2	2
7.5°	4	4	3	3	3	3	3	3	2	2	2
5°	4	4	4	3	3	3	3	3	2	2	2
2.5°	4	4	4	3	3	3	3	3	2	2	2
0°	4	4	4	3	3	3	3	3	2	2	2
-2.5°	4	4	4	3	3	3	3	3	2	2	2
-5°	4	4	4	3	3	3	3	3	2	2	2
-7.5°	4	4	3	3	3	3	3	3	2	2	2
-10°	4	4	3	3	3	3	3	3	2	2	2
-12.5°	4	4	3	3	3	3	3	3	2	2	2
-15°	4	4	3	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	2	2	2	2



REPORT NUMBER: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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	3	3	3	3	3	3	2	2	2	2
-25°	4	3	3	3	3	3	3	2	2	2	2
-27.5°	3	3	3	3	3	3	3	2	2	2	2
-30°	3	3	3	3	3	3	2	2	2	2	1
-32.5°	3	3	3	3	3	3	2	2	2	2	1
-35°	3	3	3	3	3	3	2	2	2	2	1
-37.5°	3	3	3	3	3	2	2	2	2	2	1
-40°	3	3	3	3	3	2	2	2	2	1	1
-42.5°	3	3	3	3	2	2	2	2	2	1	1
-45°	3	3	3	3	2	2	2	2	2	1	1
-47.5°	3	3	3	2	2	2	2	2	1	1	1
-50°	3	3	2	2	2	2	2	2	1	1	1
-52.5°	3	2	2	2	2	2	2	1	1	1	1
-55°	2	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	0	0
-65°	2	2	1	1	1	1	1	1	1	0	0
-67.5°	1	1	1	1	1	1	1	1	0	0	0
-70°	1	1	1	1	1	1	0	0	0	0	0
-72.5°	1	1	1	1	1	0	0	0	0	0	0
-75°	1	1	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: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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°	0	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	0	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	0	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°	1	1	1	0	0	0	0
7.5°	1	1	1	0	0	0	0
5°	1	1	1	0	0	0	0
2.5°	1	1	1	0	0	0	0
0°	1	1	1	0	0	0	0
-2.5°	1	1	1	0	0	0	0
-5°	1	1	1	0	0	0	0
-7.5°	1	1	1	0	0	0	0
-10°	1	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: P220373 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1	1	0	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	0	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°	0	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)