

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: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29421)
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-BK-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
SPOT OPTIC, BLACK 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:	329.8 lumens	Max Intensity:	4363.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	33.0 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	14°H x 14°V	Field Angle (10%):	24.9°H x 24.9°V
Beam Lumens:	136 lumens	Field Lumens:	253.4 lumens
Beam Efficiency:	41.2%	Field Efficiency:	76.8%

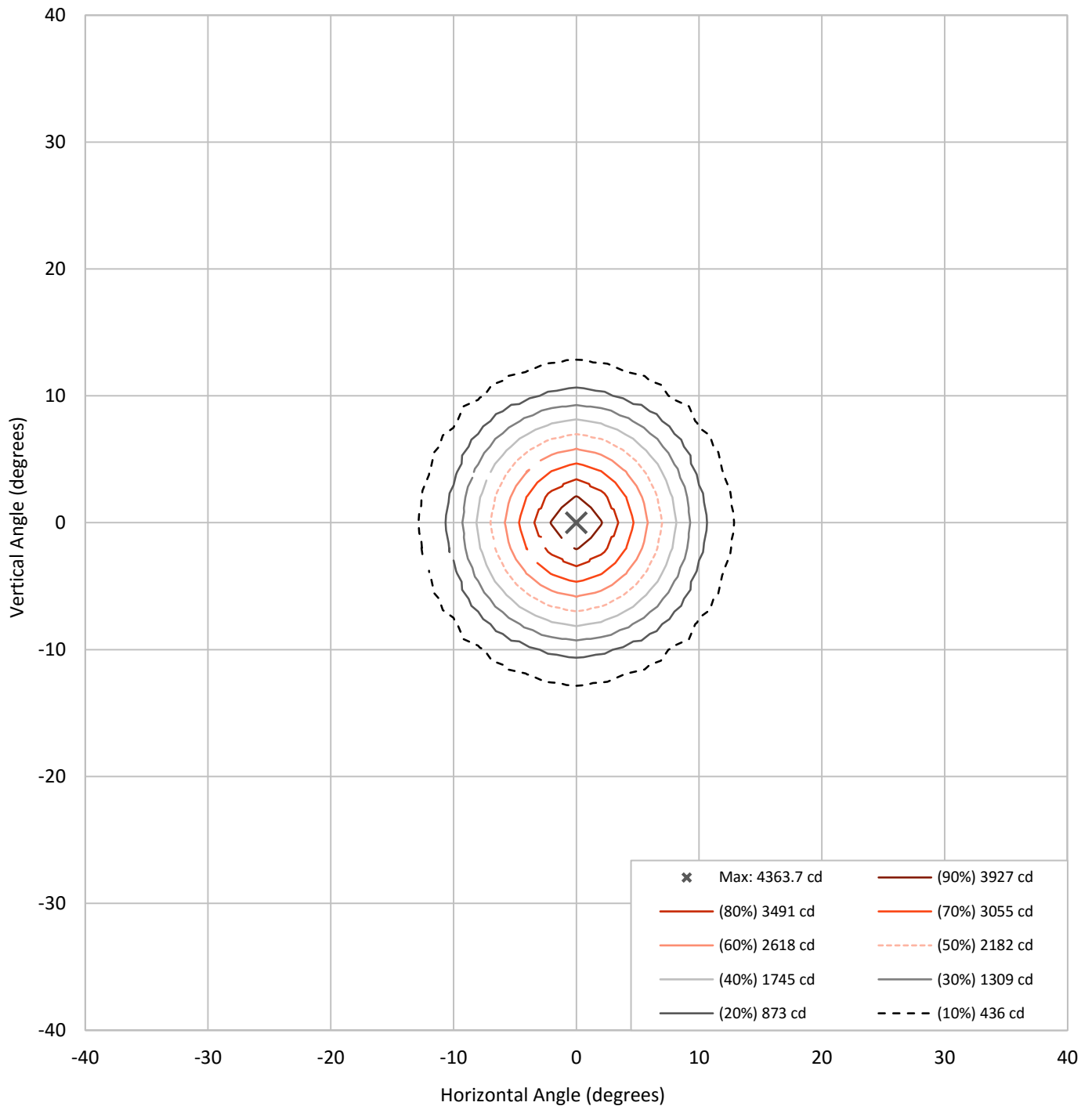
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Iso-Candela Plot



REPORT NUMBER: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)

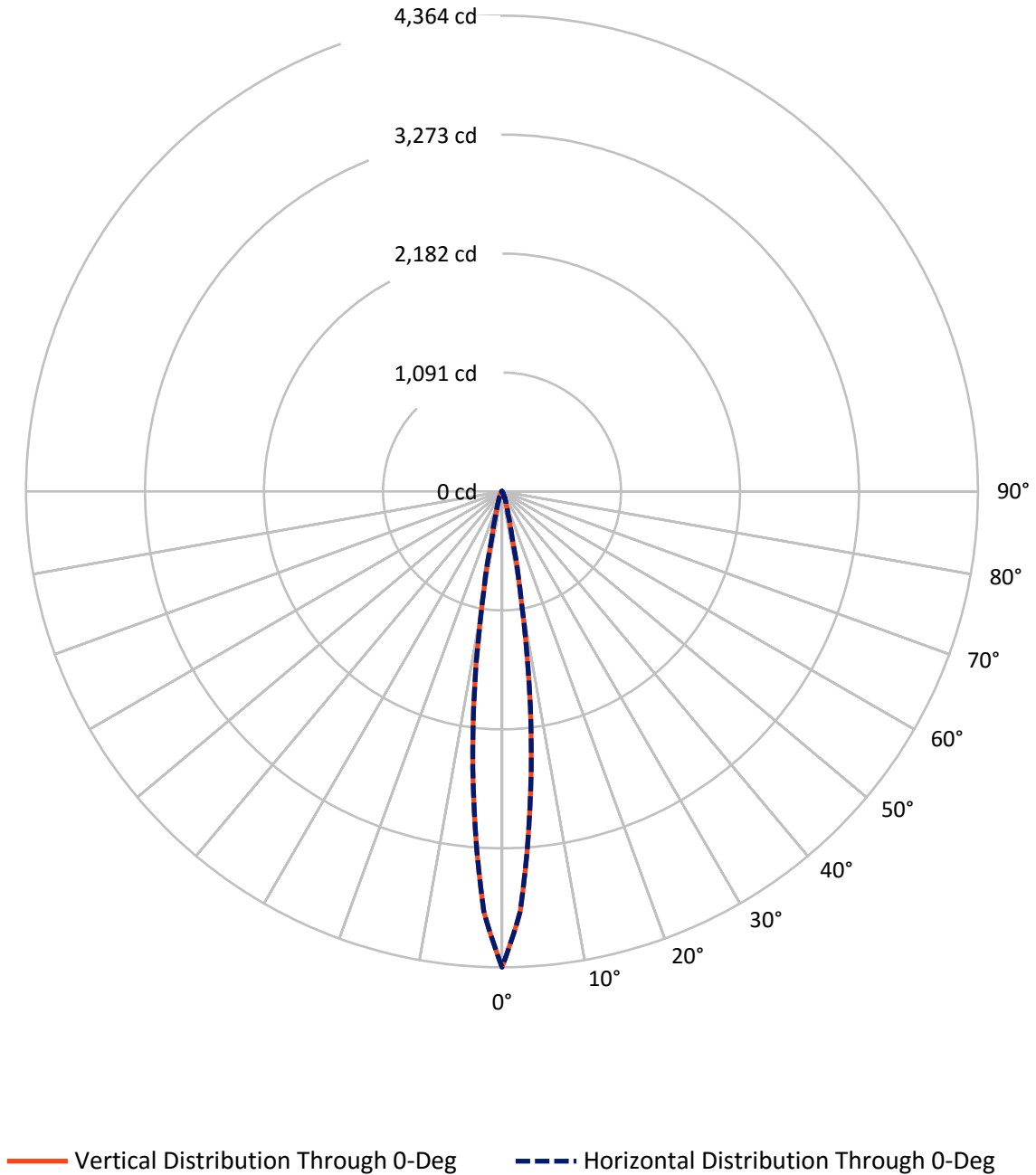
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-BK-L1-UNV

Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60		0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
50	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
40		0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	
30	0.0	0.0	0.0	0.1	0.1	0.2	0.7	1.4	1.4	0.7	0.2	0.1	0.1	0.0	0.0	0.0
20		0.0	0.0	0.1	0.2	0.7	2.7	7.5	7.5	2.7	0.7	0.2	0.1	0.0	0.0	
10	0.0	0.0	0.0	0.1	0.2	1.3	7.3	58.6	58.6	7.3	1.3	0.2	0.1	0.0	0.0	0.0
0		0.0	0.0	0.1	0.2	1.3	7.3	58.6	58.6	7.3	1.3	0.2	0.1	0.0	0.0	
-10	0.0	0.0	0.0	0.1	0.2	0.7	2.7	7.5	7.5	2.7	0.7	0.2	0.1	0.0	0.0	0.0
-20		0.0	0.0	0.1	0.1	0.2	0.7	1.4	1.4	0.7	0.2	0.1	0.1	0.0	0.0	
-30	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0
-40		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	
-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-60		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

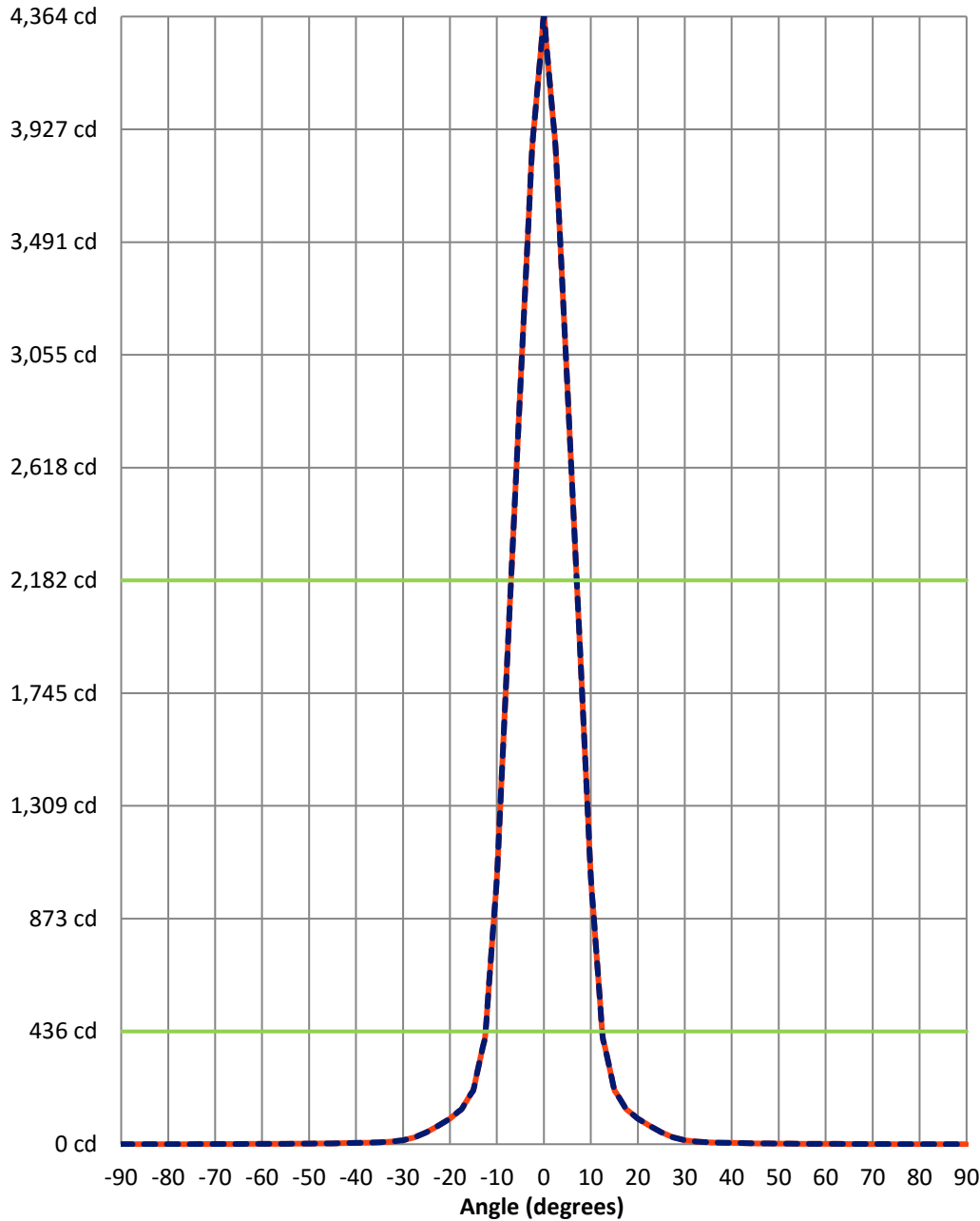
REPORT NUMBER: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-BK-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-BK-L1-UNV

Luminous Intensity Plot



Beam:
H Angle: 14°
V Angle: 14°
Lumens: 136
Efficiency: 41.2%

Field:
H Angle: 24.9°
V Angle: 24.9°
Lumens: 253.4
Efficiency: 76.8%

Spill:
Lumens: 76.4
Efficiency: 23.2%

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



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-BK-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	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0	0	0	0	1
42.5°	0	0	0	0	0	0	0	0	0	0	1
40°	0	0	0	0	0	0	0	0	0	1	1
37.5°	0	0	0	0	0	0	0	0	0	1	1
35°	0	0	0	0	0	0	0	0	0	1	1
32.5°	0	0	0	0	0	0	0	0	0	1	1
30°	0	0	0	0	0	0	0	0	1	1	1
27.5°	0	0	0	0	0	0	0	0	1	1	1
25°	0	0	0	0	0	0	0	0	1	1	1
22.5°	0	0	0	0	0	0	0	0	1	1	1
20°	0	0	0	0	0	0	0	0	1	1	1
17.5°	0	0	0	0	0	0	0	0	1	1	1
15°	0	0	0	0	0	0	0	1	1	1	1
12.5°	0	0	0	0	0	0	0	1	1	1	1
10°	0	0	0	0	0	0	0	1	1	1	1
7.5°	0	0	0	0	0	0	0	1	1	1	1
5°	0	0	0	0	0	0	0	1	1	1	1
2.5°	0	0	0	0	0	0	0	1	1	1	1
0°	0	0	0	0	0	0	0	1	1	1	1
-2.5°	0	0	0	0	0	0	0	1	1	1	1
-5°	0	0	0	0	0	0	0	1	1	1	1
-7.5°	0	0	0	0	0	0	0	1	1	1	1
-10°	0	0	0	0	0	0	0	1	1	1	1
-12.5°	0	0	0	0	0	0	0	1	1	1	1
-15°	0	0	0	0	0	0	0	1	1	1	1
-17.5°	0	0	0	0	0	0	0	0	1	1	1
-20°	0	0	0	0	0	0	0	0	1	1	1



REPORT NUMBER: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-BK-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	0	0	0	1	1	1
-25°	0	0	0	0	0	0	0	0	1	1	1
-27.5°	0	0	0	0	0	0	0	0	1	1	1
-30°	0	0	0	0	0	0	0	0	1	1	1
-32.5°	0	0	0	0	0	0	0	0	0	1	1
-35°	0	0	0	0	0	0	0	0	0	1	1
-37.5°	0	0	0	0	0	0	0	0	0	1	1
-40°	0	0	0	0	0	0	0	0	0	1	1
-42.5°	0	0	0	0	0	0	0	0	0	0	1
-45°	0	0	0	0	0	0	0	0	0	0	1
-47.5°	0	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-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: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-BK-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	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	1	1
65°	0	0	0	0	0	0	0	1	1	1	1
62.5°	0	0	0	0	0	1	1	1	1	1	1
60°	0	0	0	0	1	1	1	1	1	1	1
57.5°	0	0	0	1	1	1	1	1	1	1	1
55°	0	0	1	1	1	1	1	1	1	1	1
52.5°	0	1	1	1	1	1	1	1	1	1	1
50°	1	1	1	1	1	1	1	1	1	1	1
47.5°	1	1	1	1	1	1	1	1	1	1	1
45°	1	1	1	1	1	1	1	1	1	1	1
42.5°	1	1	1	1	1	1	1	1	1	1	2
40°	1	1	1	1	1	1	1	1	1	2	2
37.5°	1	1	1	1	1	1	1	1	2	2	2
35°	1	1	1	1	1	1	1	2	2	2	2
32.5°	1	1	1	1	1	1	1	2	2	2	3
30°	1	1	1	1	1	1	2	2	2	3	3
27.5°	1	1	1	1	1	1	2	2	2	3	3
25°	1	1	1	1	1	2	2	2	3	3	3
22.5°	1	1	1	1	1	2	2	2	3	3	4
20°	1	1	1	1	1	2	2	3	3	3	5
17.5°	1	1	1	1	2	2	2	3	3	4	5
15°	1	1	1	1	2	2	2	3	3	4	5
12.5°	1	1	1	1	2	2	3	3	3	5	5
10°	1	1	1	1	2	2	3	3	4	5	5
7.5°	1	1	1	1	2	2	3	3	4	5	6
5°	1	1	1	1	2	2	3	3	4	5	6
2.5°	1	1	1	1	2	2	3	3	4	5	6
0°	1	1	1	1	2	2	3	3	4	5	6
-2.5°	1	1	1	1	2	2	3	3	4	5	6
-5°	1	1	1	1	2	2	3	3	4	5	6
-7.5°	1	1	1	1	2	2	3	3	4	5	6
-10°	1	1	1	1	2	2	3	3	4	5	5
-12.5°	1	1	1	1	2	2	3	3	3	5	5
-15°	1	1	1	1	2	2	2	3	3	4	5
-17.5°	1	1	1	1	2	2	2	3	3	4	5
-20°	1	1	1	1	1	2	2	3	3	3	5



REPORT NUMBER: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1	1	1	1	1	2	2	2	3	3	4
-25°	1	1	1	1	1	2	2	2	3	3	3
-27.5°	1	1	1	1	1	1	2	2	2	3	3
-30°	1	1	1	1	1	1	2	2	2	3	3
-32.5°	1	1	1	1	1	1	1	2	2	2	3
-35°	1	1	1	1	1	1	1	2	2	2	2
-37.5°	1	1	1	1	1	1	1	1	2	2	2
-40°	1	1	1	1	1	1	1	1	1	2	2
-42.5°	1	1	1	1	1	1	1	1	1	1	2
-45°	1	1	1	1	1	1	1	1	1	1	1
-47.5°	1	1	1	1	1	1	1	1	1	1	1
-50°	1	1	1	1	1	1	1	1	1	1	1
-52.5°	0	1	1	1	1	1	1	1	1	1	1
-55°	0	0	1	1	1	1	1	1	1	1	1
-57.5°	0	0	0	1	1	1	1	1	1	1	1
-60°	0	0	0	0	1	1	1	1	1	1	1
-62.5°	0	0	0	0	0	1	1	1	1	1	1
-65°	0	0	0	0	0	0	0	1	1	1	1
-67.5°	0	0	0	0	0	0	0	0	0	1	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: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-BK-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	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	1	1	1
70°	0	0	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
52.5°	1	1	1	1	1	1	1	2	2	2	2
50°	1	1	1	1	2	2	2	2	2	2	2
47.5°	1	1	2	2	2	2	2	2	2	3	3
45°	2	2	2	2	2	2	3	3	3	3	3
42.5°	2	2	2	2	3	3	3	3	3	3	4
40°	2	2	3	3	3	3	3	4	4	5	5
37.5°	2	3	3	3	3	4	5	5	5	5	5
35°	3	3	3	4	4	5	5	5	6	6	7
32.5°	3	3	4	5	5	5	6	6	7	8	9
30°	3	4	5	5	6	6	7	8	9	11	12
27.5°	4	5	5	6	6	7	9	11	13	15	19
25°	4	5	6	6	7	9	12	15	20	25	32
22.5°	5	5	6	7	9	12	16	23	32	42	51
20°	5	6	7	9	12	16	24	36	48	62	74
17.5°	5	6	8	11	15	23	36	51	67	84	98
15°	6	7	9	13	20	32	48	67	87	107	129
12.5°	6	8	11	15	25	42	62	84	107	135	182
10°	7	9	12	19	32	51	74	98	129	182	258
7.5°	7	9	13	22	38	60	85	114	159	235	421
5°	7	10	14	25	43	66	92	126	187	310	681
2.5°	7	10	15	26	45	70	97	134	205	384	937
0°	7	10	15	27	46	71	99	136	211	418	1032
-2.5°	7	10	15	26	45	70	97	134	205	384	937
-5°	7	10	14	25	43	66	92	126	187	310	681
-7.5°	7	9	13	22	38	60	85	114	159	235	421
-10°	7	9	12	19	32	51	74	98	129	182	258
-12.5°	6	8	11	15	25	42	62	84	107	135	182
-15°	6	7	9	13	20	32	48	67	87	107	129
-17.5°	5	6	8	11	15	23	36	51	67	84	98
-20°	5	6	7	9	12	16	24	36	48	62	74



REPORT NUMBER: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5	5	6	7	9	12	16	23	32	42	51
-25°	4	5	6	6	7	9	12	15	20	25	32
-27.5°	4	5	5	6	6	7	9	11	13	15	19
-30°	3	4	5	5	6	6	7	8	9	11	12
-32.5°	3	3	4	5	5	5	6	6	7	8	9
-35°	3	3	3	4	4	5	5	5	6	6	7
-37.5°	2	3	3	3	3	4	5	5	5	5	5
-40°	2	2	3	3	3	3	3	4	4	5	5
-42.5°	2	2	2	2	3	3	3	3	3	3	4
-45°	2	2	2	2	2	2	3	3	3	3	3
-47.5°	1	1	2	2	2	2	2	2	2	3	3
-50°	1	1	1	1	2	2	2	2	2	2	2
-52.5°	1	1	1	1	1	1	1	2	2	2	2
-55°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-70°	0	0	1	1	1	1	1	1	1	1	1
-72.5°	0	0	0	0	0	0	0	0	1	1	1
-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: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-BK-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°	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°	1	1	1	1	1	1	1	1	1	1	0
70°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
52.5°	2	2	2	2	2	2	2	2	2	2	2
50°	2	2	2	2	2	2	2	2	2	2	2
47.5°	3	3	3	3	3	3	3	3	3	2	2
45°	3	3	3	3	3	3	3	3	3	3	3
42.5°	4	4	4	4	4	4	4	4	3	3	3
40°	5	5	5	5	5	5	5	5	5	4	4
37.5°	6	6	6	6	6	6	6	5	5	5	5
35°	7	7	7	7	7	7	7	7	6	6	5
32.5°	9	10	10	10	10	10	9	9	8	7	6
30°	13	14	15	15	15	14	13	12	11	9	8
27.5°	22	25	26	27	26	25	22	19	15	13	11
25°	38	43	45	46	45	43	38	32	25	20	15
22.5°	60	66	70	71	70	66	60	51	42	32	23
20°	85	92	97	99	97	92	85	74	62	48	36
17.5°	114	126	134	136	134	126	114	98	84	67	51
15°	159	187	205	211	205	187	159	129	107	87	67
12.5°	235	310	384	418	384	310	235	182	135	107	84
10°	421	681	937	1032	937	681	421	258	182	129	98
7.5°	848	1398	1833	1991	1833	1398	848	421	235	159	114
5°	1398	2161	2715	2933	2715	2161	1398	681	310	187	126
2.5°	1833	2715	3484	3855	3484	2715	1833	937	384	205	134
0°	1991	2933	3855	4364	3855	2933	1991	1032	418	211	136
-2.5°	1833	2715	3484	3855	3484	2715	1833	937	384	205	134
-5°	1398	2161	2715	2933	2715	2161	1398	681	310	187	126
-7.5°	848	1398	1833	1991	1833	1398	848	421	235	159	114
-10°	421	681	937	1032	937	681	421	258	182	129	98
-12.5°	235	310	384	418	384	310	235	182	135	107	84
-15°	159	187	205	211	205	187	159	129	107	87	67
-17.5°	114	126	134	136	134	126	114	98	84	67	51
-20°	85	92	97	99	97	92	85	74	62	48	36



REPORT NUMBER: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	60	66	70	71	70	66	60	51	42	32	23
-25°	38	43	45	46	45	43	38	32	25	20	15
-27.5°	22	25	26	27	26	25	22	19	15	13	11
-30°	13	14	15	15	15	14	13	12	11	9	8
-32.5°	9	10	10	10	10	10	9	9	8	7	6
-35°	7	7	7	7	7	7	7	7	6	6	5
-37.5°	6	6	6	6	6	6	6	5	5	5	5
-40°	5	5	5	5	5	5	5	5	5	4	4
-42.5°	4	4	4	4	4	4	4	4	3	3	3
-45°	3	3	3	3	3	3	3	3	3	3	3
-47.5°	3	3	3	3	3	3	3	3	3	2	2
-50°	2	2	2	2	2	2	2	2	2	2	2
-52.5°	2	2	2	2	2	2	2	2	2	2	2
-55°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	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: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-BK-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°	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°	1	1	1	1	1	0	0	0	0	0	0
67.5°	1	1	1	1	1	1	1	1	1	0	0
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
52.5°	1	1	1	1	1	1	1	1	1	1	1
50°	2	2	2	1	1	1	1	1	1	1	1
47.5°	2	2	2	2	2	1	1	1	1	1	1
45°	3	2	2	2	2	2	2	1	1	1	1
42.5°	3	3	3	2	2	2	2	2	1	1	1
40°	3	3	3	3	3	2	2	2	2	1	1
37.5°	5	4	3	3	3	3	2	2	2	2	1
35°	5	5	4	4	3	3	3	2	2	2	2
32.5°	6	5	5	5	4	3	3	3	2	2	2
30°	7	6	6	5	5	4	3	3	3	2	2
27.5°	9	7	6	6	5	5	4	3	3	2	2
25°	12	9	7	6	6	5	4	3	3	3	2
22.5°	16	12	9	7	6	5	5	4	3	3	2
20°	24	16	12	9	7	6	5	5	3	3	3
17.5°	36	23	15	11	8	6	5	5	4	3	3
15°	48	32	20	13	9	7	6	5	4	3	3
12.5°	62	42	25	15	11	8	6	5	5	3	3
10°	74	51	32	19	12	9	7	5	5	4	3
7.5°	85	60	38	22	13	9	7	6	5	4	3
5°	92	66	43	25	14	10	7	6	5	4	3
2.5°	97	70	45	26	15	10	7	6	5	4	3
0°	99	71	46	27	15	10	7	6	5	4	3
-2.5°	97	70	45	26	15	10	7	6	5	4	3
-5°	92	66	43	25	14	10	7	6	5	4	3
-7.5°	85	60	38	22	13	9	7	6	5	4	3
-10°	74	51	32	19	12	9	7	5	5	4	3
-12.5°	62	42	25	15	11	8	6	5	5	3	3
-15°	48	32	20	13	9	7	6	5	4	3	3
-17.5°	36	23	15	11	8	6	5	5	4	3	3
-20°	24	16	12	9	7	6	5	5	3	3	3



REPORT NUMBER: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16	12	9	7	6	5	5	4	3	3	2
-25°	12	9	7	6	6	5	4	3	3	3	2
-27.5°	9	7	6	6	5	5	4	3	3	2	2
-30°	7	6	6	5	5	4	3	3	3	2	2
-32.5°	6	5	5	5	4	3	3	3	2	2	2
-35°	5	5	4	4	3	3	3	2	2	2	2
-37.5°	5	4	3	3	3	3	2	2	2	2	1
-40°	3	3	3	3	3	2	2	2	2	1	1
-42.5°	3	3	3	2	2	2	2	2	1	1	1
-45°	3	2	2	2	2	2	2	1	1	1	1
-47.5°	2	2	2	2	2	1	1	1	1	1	1
-50°	2	2	2	1	1	1	1	1	1	1	1
-52.5°	1	1	1	1	1	1	1	1	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	0	0
-70°	1	1	1	1	1	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: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-BK-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°	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	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	1	1	0	0	0	0	0	0	0	0	0
60°	1	1	1	0	0	0	0	0	0	0	0
57.5°	1	1	1	1	0	0	0	0	0	0	0
55°	1	1	1	1	1	0	0	0	0	0	0
52.5°	1	1	1	1	1	1	0	0	0	0	0
50°	1	1	1	1	1	1	1	0	0	0	0
47.5°	1	1	1	1	1	1	1	0	0	0	0
45°	1	1	1	1	1	1	1	1	0	0	0
42.5°	1	1	1	1	1	1	1	1	0	0	0
40°	1	1	1	1	1	1	1	1	1	0	0
37.5°	1	1	1	1	1	1	1	1	1	0	0
35°	1	1	1	1	1	1	1	1	1	0	0
32.5°	1	1	1	1	1	1	1	1	1	0	0
30°	2	1	1	1	1	1	1	1	1	1	0
27.5°	2	1	1	1	1	1	1	1	1	1	0
25°	2	2	1	1	1	1	1	1	1	1	0
22.5°	2	2	1	1	1	1	1	1	1	1	0
20°	2	2	1	1	1	1	1	1	1	1	0
17.5°	2	2	2	1	1	1	1	1	1	1	0
15°	2	2	2	1	1	1	1	1	1	1	1
12.5°	3	2	2	1	1	1	1	1	1	1	1
10°	3	2	2	1	1	1	1	1	1	1	1
7.5°	3	2	2	1	1	1	1	1	1	1	1
5°	3	2	2	1	1	1	1	1	1	1	1
2.5°	3	2	2	1	1	1	1	1	1	1	1
0°	3	2	2	1	1	1	1	1	1	1	1
-2.5°	3	2	2	1	1	1	1	1	1	1	1
-5°	3	2	2	1	1	1	1	1	1	1	1
-7.5°	3	2	2	1	1	1	1	1	1	1	1
-10°	3	2	2	1	1	1	1	1	1	1	1
-12.5°	3	2	2	1	1	1	1	1	1	1	1
-15°	2	2	2	1	1	1	1	1	1	1	1
-17.5°	2	2	2	1	1	1	1	1	1	1	0
-20°	2	2	1	1	1	1	1	1	1	1	0



REPORT NUMBER: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2	2	1	1	1	1	1	1	1	1	0
-25°	2	2	1	1	1	1	1	1	1	1	0
-27.5°	2	1	1	1	1	1	1	1	1	1	0
-30°	2	1	1	1	1	1	1	1	1	1	0
-32.5°	1	1	1	1	1	1	1	1	1	0	0
-35°	1	1	1	1	1	1	1	1	1	0	0
-37.5°	1	1	1	1	1	1	1	1	1	0	0
-40°	1	1	1	1	1	1	1	1	1	0	0
-42.5°	1	1	1	1	1	1	1	1	0	0	0
-45°	1	1	1	1	1	1	1	1	0	0	0
-47.5°	1	1	1	1	1	1	1	0	0	0	0
-50°	1	1	1	1	1	1	1	0	0	0	0
-52.5°	1	1	1	1	1	1	0	0	0	0	0
-55°	1	1	1	1	1	0	0	0	0	0	0
-57.5°	1	1	1	1	0	0	0	0	0	0	0
-60°	1	1	1	0	0	0	0	0	0	0	0
-62.5°	1	1	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-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: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-S-BK-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°	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0



REPORT NUMBER: P220405 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	0	0	0	0	0	0	0
-25°	0	0	0	0	0	0	0
-27.5°	0	0	0	0	0	0	0
-30°	0	0	0	0	0	0	0
-32.5°	0	0	0	0	0	0	0
-35°	0	0	0	0	0	0	0
-37.5°	0	0	0	0	0	0	0
-40°	0	0	0	0	0	0	0
-42.5°	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0
-50°	0	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)