

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: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED2790-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220369 (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-LED2790-S-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	359.2 lumens	Max Intensity:	4534.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	35.9 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:	143.6 lumens	Field Lumens:	270 lumens
Beam Efficiency:	40.0%	Field Efficiency:	75.2%

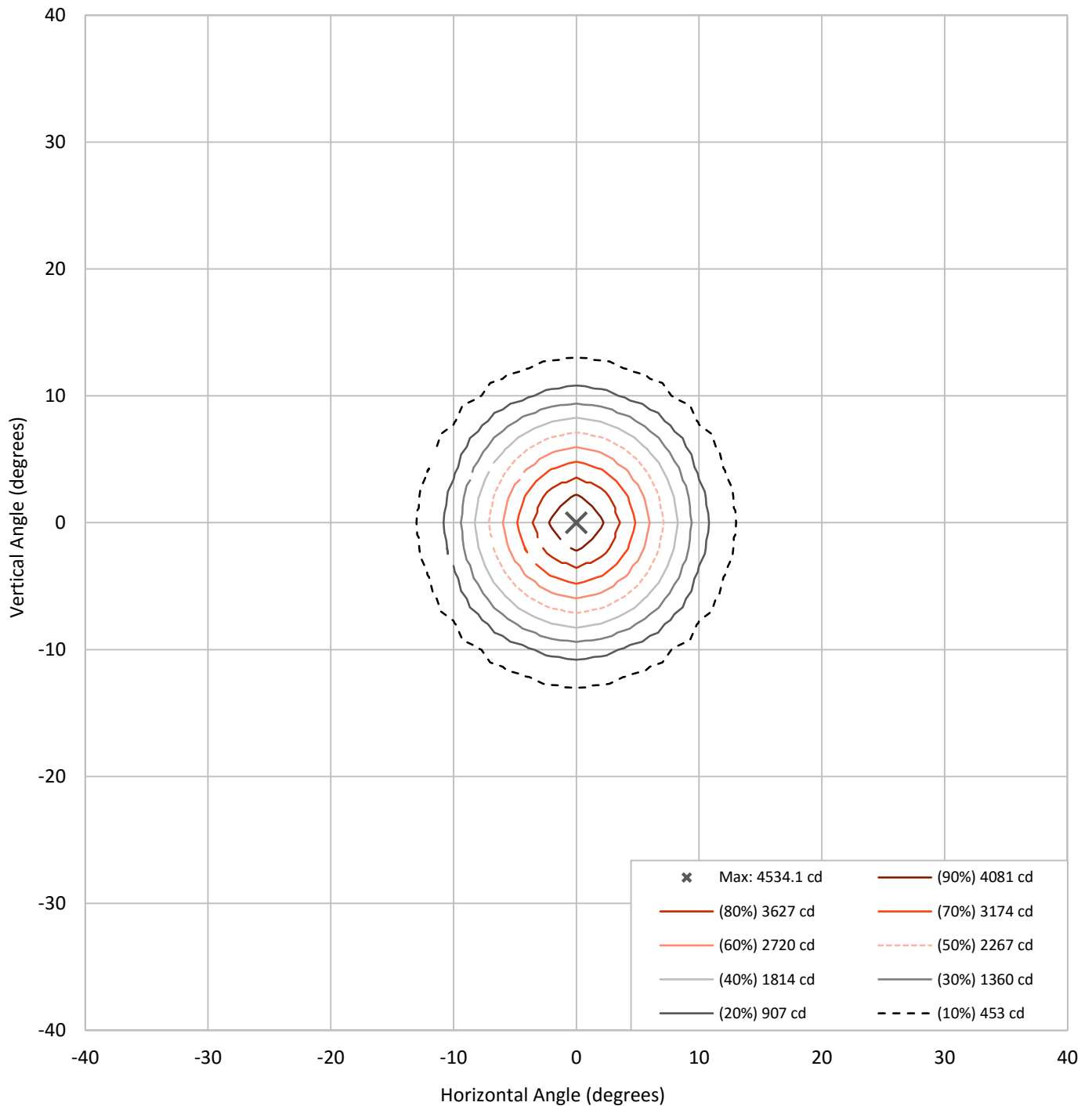
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-S-WT-L1-UNV

Iso-Candela Plot





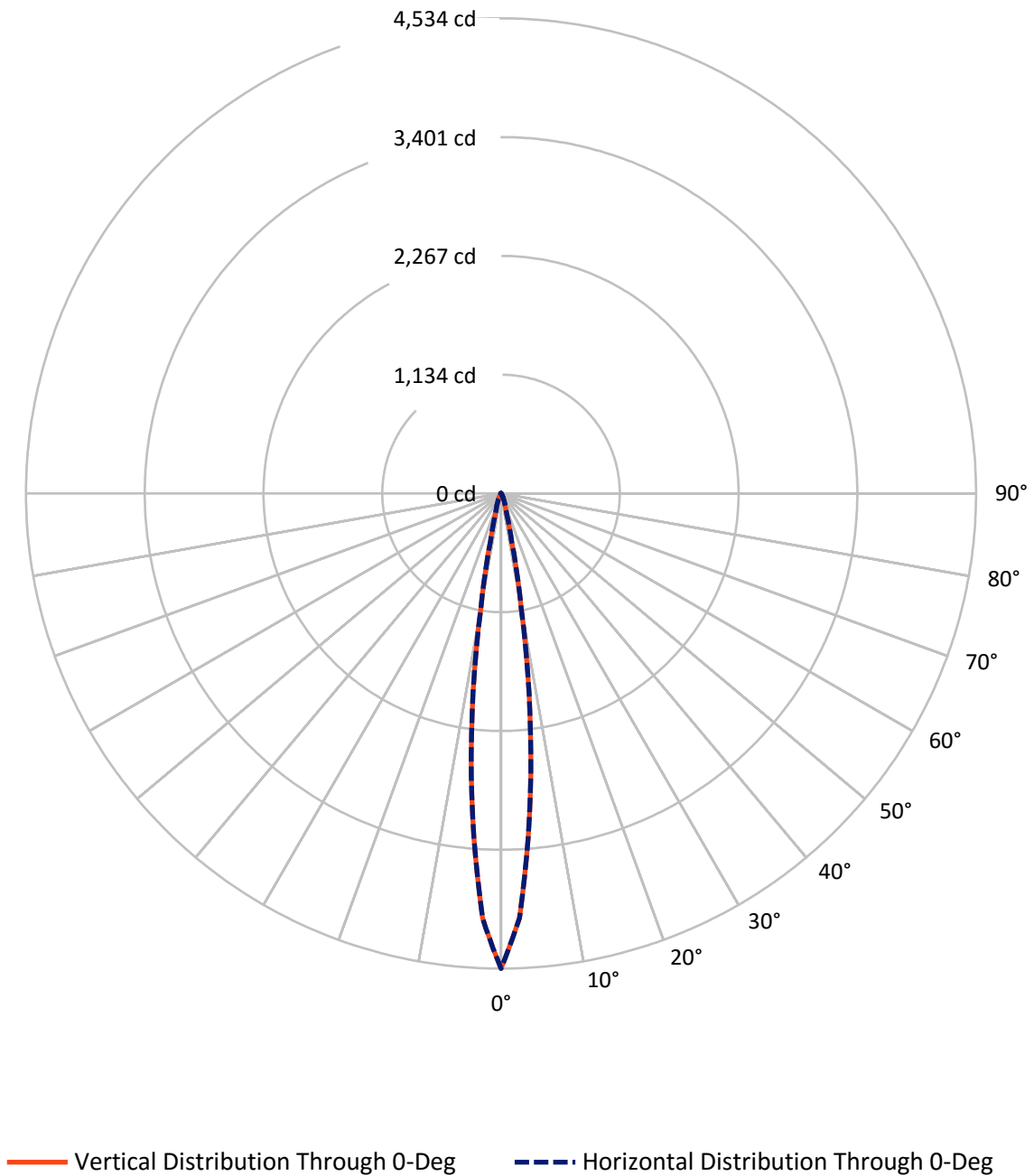
REPORT NUMBER: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-S-WT-L1-UNV

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	0.1	0.0	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	0.1	0.3	0.8	1.5	1.5	0.8	0.3	0.1	0.1	0.1	0.0			
20		0.0	0.1	0.1	0.2	0.8	2.9	8.1	8.1	2.9	0.8	0.2	0.1	0.1				
10	0.0	0.0	0.1	0.1	0.2	1.4	7.9	62.3	62.3	7.9	1.4	0.2	0.1	0.1	0.0			
0		0.0	0.1	0.1	0.2	1.4	7.9	62.3	62.3	7.9	1.4	0.2	0.1	0.1				
-10	0.0	0.0	0.1	0.1	0.2	0.8	2.9	8.1	8.1	2.9	0.8	0.2	0.1	0.1	0.0			
-20		0.0	0.1	0.1	0.1	0.3	0.8	1.5	1.5	0.8	0.3	0.1	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	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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			
-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									

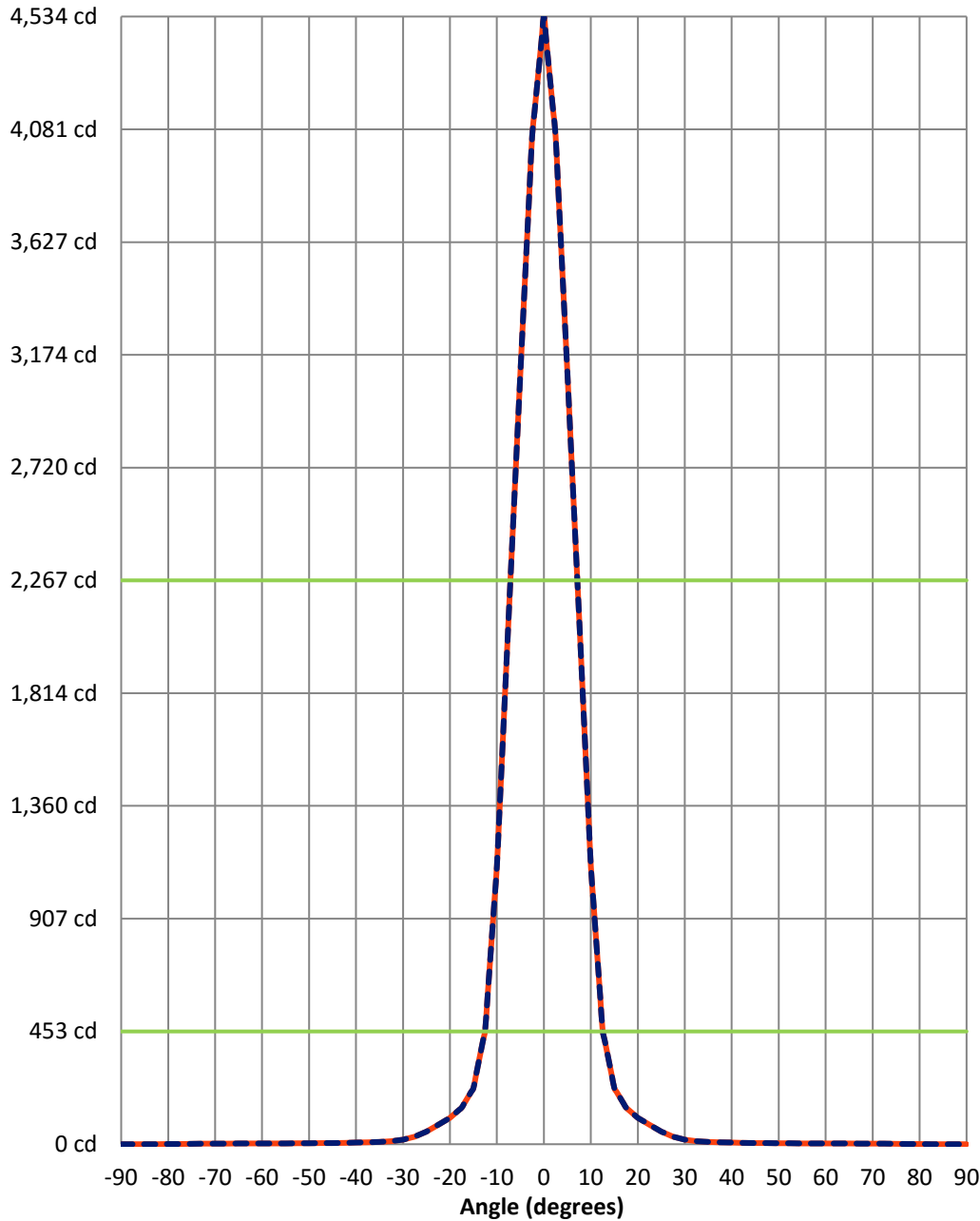
REPORT NUMBER: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-S-WT-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-S-WT-L1-UNV

Luminous Intensity Plot



Beam:
H Angle: 14.3°
V Angle: 14.3°
Lumens: 143.6
Efficiency: 40.0%

Field:
H Angle: 25.1°
V Angle: 25.1°
Lumens: 270
Efficiency: 75.2%

Spill:
Lumens: 89.2
Efficiency: 24.8%

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



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	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	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	1	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	2
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	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	2	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	3



REPORT NUMBER: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	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	2	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	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	1	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	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	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: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	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	3
57.5°	1	2	2	2	2	2	2	2	3	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	3	3	3	3	3	3	3	3	3
40°	2	2	3	3	3	3	3	3	3	3	4
37.5°	2	3	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	4	4	4	4
30°	3	3	3	3	3	3	3	4	4	4	5
27.5°	3	3	3	3	3	3	4	4	4	5	5
25°	3	3	3	3	3	3	4	4	4	5	5
22.5°	3	3	3	3	3	3	4	4	5	5	5
20°	3	3	3	3	3	4	4	4	5	5	6
17.5°	3	3	3	3	3	4	4	4	5	5	6
15°	3	3	3	3	3	4	4	5	5	5	7
12.5°	3	3	3	3	3	4	4	5	5	6	7
10°	3	3	3	3	4	4	4	5	5	6	7
7.5°	3	3	3	3	4	4	4	5	5	6	7
5°	3	3	3	3	4	4	4	5	5	7	8
2.5°	3	3	3	3	4	4	4	5	5	7	8
0°	3	3	3	3	4	4	5	5	5	7	8
-2.5°	3	3	3	3	4	4	4	5	5	7	8
-5°	3	3	3	3	4	4	4	5	5	7	8
-7.5°	3	3	3	3	4	4	4	5	5	6	7
-10°	3	3	3	3	4	4	4	5	5	6	7
-12.5°	3	3	3	3	3	4	4	5	5	6	7
-15°	3	3	3	3	3	4	4	5	5	5	7
-17.5°	3	3	3	3	3	4	4	4	5	5	6
-20°	3	3	3	3	3	4	4	4	5	5	6



REPORT NUMBER: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	5	5	5
-25°	3	3	3	3	3	3	4	4	4	5	5
-27.5°	3	3	3	3	3	3	4	4	4	5	5
-30°	3	3	3	3	3	3	3	4	4	4	5
-32.5°	2	3	3	3	3	3	3	4	4	4	4
-35°	2	3	3	3	3	3	3	3	4	4	4
-37.5°	2	3	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	3	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	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	1	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	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: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	1
72.5°	1	1	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	2	3	3	3	3	3
62.5°	2	2	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	3	3	4
50°	3	3	3	3	3	3	4	4	4	4	4
47.5°	3	3	3	4	4	4	4	4	4	4	4
45°	3	4	4	4	4	4	4	4	5	5	5
42.5°	4	4	4	4	4	5	5	5	5	5	5
40°	4	4	4	5	5	5	5	5	5	6	6
37.5°	4	4	5	5	5	5	6	6	7	7	7
35°	4	5	5	5	6	6	7	7	8	8	8
32.5°	5	5	5	6	7	7	8	8	9	10	10
30°	5	5	6	7	7	8	9	10	11	13	15
27.5°	5	6	7	7	8	9	11	13	16	18	22
25°	6	7	7	8	9	11	14	18	24	29	36
22.5°	6	7	8	9	11	15	19	27	36	46	56
20°	7	8	9	11	14	19	28	40	53	68	81
17.5°	7	8	10	13	18	27	40	56	74	90	105
15°	8	9	11	16	24	36	53	74	94	115	139
12.5°	8	10	13	18	29	46	68	90	115	145	196
10°	8	10	15	22	36	56	81	105	139	196	278
7.5°	9	11	16	26	42	65	91	122	171	252	464
5°	9	12	17	28	47	72	99	136	201	337	743
2.5°	9	12	18	30	50	77	104	144	219	421	1017
0°	9	12	18	30	51	78	106	147	226	460	1119
-2.5°	9	12	18	30	50	77	104	144	219	421	1017
-5°	9	12	17	28	47	72	99	136	201	337	743
-7.5°	9	11	16	26	42	65	91	122	171	252	464
-10°	8	10	15	22	36	56	81	105	139	196	278
-12.5°	8	10	13	18	29	46	68	90	115	145	196
-15°	8	9	11	16	24	36	53	74	94	115	139
-17.5°	7	8	10	13	18	27	40	56	74	90	105
-20°	7	8	9	11	14	19	28	40	53	68	81



REPORT NUMBER: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	15	19	27	36	46	56
-25°	6	7	7	8	9	11	14	18	24	29	36
-27.5°	5	6	7	7	8	9	11	13	16	18	22
-30°	5	5	6	7	7	8	9	10	11	13	15
-32.5°	5	5	5	6	7	7	8	8	9	10	10
-35°	4	5	5	5	6	6	7	7	8	8	8
-37.5°	4	4	5	5	5	5	6	6	7	7	7
-40°	4	4	4	5	5	5	5	5	5	6	6
-42.5°	4	4	4	4	4	5	5	5	5	5	5
-45°	3	4	4	4	4	4	4	4	5	5	5
-47.5°	3	3	3	4	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	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	2	3	3	3	3	3	3	3	3	3
-65°	2	2	2	2	2	2	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	1	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°	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: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	2	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°	4	4	4	4	4	4	4	4	3	3	3
50°	4	4	4	4	4	4	4	4	4	4	4
47.5°	4	4	4	5	4	4	4	4	4	4	4
45°	5	5	5	5	5	5	5	5	5	5	4
42.5°	5	5	5	5	5	5	5	5	5	5	5
40°	6	7	7	7	7	7	6	6	6	5	5
37.5°	7	8	8	8	8	8	7	7	7	7	6
35°	9	9	9	9	9	9	9	8	8	8	7
32.5°	11	12	12	12	12	12	11	10	10	9	8
30°	16	17	18	18	18	17	16	15	13	11	10
27.5°	26	28	30	30	30	28	26	22	18	16	13
25°	42	47	50	51	50	47	42	36	29	24	18
22.5°	65	72	77	78	77	72	65	56	46	36	27
20°	91	99	104	106	104	99	91	81	68	53	40
17.5°	122	136	144	147	144	136	122	105	90	74	56
15°	171	201	219	226	219	201	171	139	115	94	74
12.5°	252	337	421	460	421	337	252	196	145	115	90
10°	464	743	1017	1119	1017	743	464	278	196	139	105
7.5°	921	1504	1956	2121	1956	1504	921	464	252	171	122
5°	1504	2298	2877	3104	2877	2298	1504	743	337	201	136
2.5°	1956	2877	3676	4053	3676	2877	1956	1017	421	219	144
0°	2121	3104	4053	4534	4053	3104	2121	1119	460	226	147
-2.5°	1956	2877	3676	4053	3676	2877	1956	1017	421	219	144
-5°	1504	2298	2877	3104	2877	2298	1504	743	337	201	136
-7.5°	921	1504	1956	2121	1956	1504	921	464	252	171	122
-10°	464	743	1017	1119	1017	743	464	278	196	139	105
-12.5°	252	337	421	460	421	337	252	196	145	115	90
-15°	171	201	219	226	219	201	171	139	115	94	74
-17.5°	122	136	144	147	144	136	122	105	90	74	56
-20°	91	99	104	106	104	99	91	81	68	53	40



REPORT NUMBER: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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°	65	72	77	78	77	72	65	56	46	36	27
-25°	42	47	50	51	50	47	42	36	29	24	18
-27.5°	26	28	30	30	30	28	26	22	18	16	13
-30°	16	17	18	18	18	17	16	15	13	11	10
-32.5°	11	12	12	12	12	12	11	10	10	9	8
-35°	9	9	9	9	9	9	9	8	8	8	7
-37.5°	7	8	8	8	8	8	7	7	7	7	6
-40°	6	7	7	7	7	7	6	6	6	5	5
-42.5°	5	5	5	5	5	5	5	5	5	5	5
-45°	5	5	5	5	5	5	5	5	5	5	4
-47.5°	4	4	4	5	4	4	4	4	4	4	4
-50°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	4	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	2	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: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	1	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	2	2	2	2	2	2	2	2	2	2
62.5°	3	3	3	3	3	2	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	3	3	3	3	3	3	3	3	3	3
47.5°	4	4	4	4	3	3	3	3	3	3	3
45°	4	4	4	4	4	4	3	3	3	3	3
42.5°	5	5	4	4	4	4	4	3	3	3	3
40°	5	5	5	5	4	4	4	4	3	3	3
37.5°	6	5	5	5	5	4	4	4	4	3	3
35°	7	6	6	5	5	5	4	4	4	4	3
32.5°	8	7	7	6	5	5	5	4	4	4	4
30°	9	8	7	7	6	5	5	5	4	4	4
27.5°	11	9	8	7	7	6	5	5	5	4	4
25°	14	11	9	8	7	7	6	5	5	4	4
22.5°	19	15	11	9	8	7	6	5	5	5	4
20°	28	19	14	11	9	8	7	6	5	5	4
17.5°	40	27	18	13	10	8	7	6	5	5	4
15°	53	36	24	16	11	9	8	7	5	5	5
12.5°	68	46	29	18	13	10	8	7	6	5	5
10°	81	56	36	22	15	10	8	7	6	5	5
7.5°	91	65	42	26	16	11	9	7	6	5	5
5°	99	72	47	28	17	12	9	8	7	5	5
2.5°	104	77	50	30	18	12	9	8	7	5	5
0°	106	78	51	30	18	12	9	8	7	5	5
-2.5°	104	77	50	30	18	12	9	8	7	5	5
-5°	99	72	47	28	17	12	9	8	7	5	5
-7.5°	91	65	42	26	16	11	9	7	6	5	5
-10°	81	56	36	22	15	10	8	7	6	5	5
-12.5°	68	46	29	18	13	10	8	7	6	5	5
-15°	53	36	24	16	11	9	8	7	5	5	5
-17.5°	40	27	18	13	10	8	7	6	5	5	4
-20°	28	19	14	11	9	8	7	6	5	5	4



REPORT NUMBER: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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°	19	15	11	9	8	7	6	5	5	5	4
-25°	14	11	9	8	7	7	6	5	5	4	4
-27.5°	11	9	8	7	7	6	5	5	5	4	4
-30°	9	8	7	7	6	5	5	5	4	4	4
-32.5°	8	7	7	6	5	5	5	4	4	4	4
-35°	7	6	6	5	5	5	4	4	4	4	3
-37.5°	6	5	5	5	5	4	4	4	4	3	3
-40°	5	5	5	5	4	4	4	4	3	3	3
-42.5°	5	5	4	4	4	4	4	3	3	3	3
-45°	4	4	4	4	4	4	3	3	3	3	3
-47.5°	4	4	4	4	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	3	2
-60°	3	3	3	3	3	3	3	3	2	2	2
-62.5°	3	3	3	3	3	2	2	2	2	2	2
-65°	3	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	2	1	1
-72.5°	2	2	2	2	2	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	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: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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°	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	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°	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	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	2	2	2	2	1
30°	3	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	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	3	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	4	3	3	3	3	3	2	2	2
7.5°	4	4	4	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°	5	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	4	3	3	3	3	3	2	2	2
-10°	4	4	4	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	3	2	2	2



REPORT NUMBER: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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°	4	3	3	3	3	3	3	2	2	2	2
-30°	3	3	3	3	3	3	3	2	2	2	2
-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	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	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	1	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	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: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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°	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°	2	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: P220369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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)