

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: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29423)
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-F-BK-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

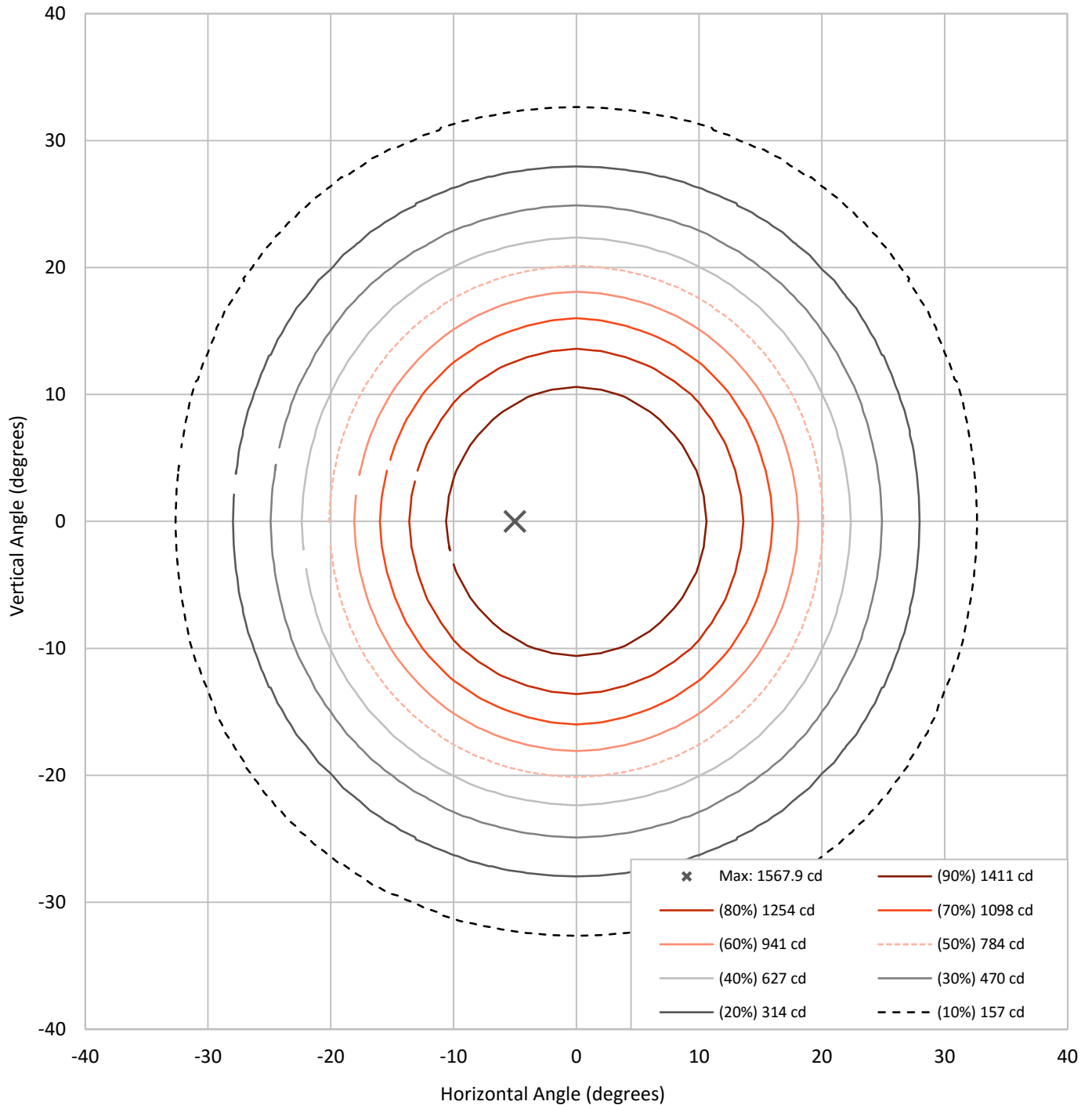
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	768 lumens	Max Intensity:	1567.9 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x 0°V
Efficacy:	76.8 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.3°H x 39.1°V	Field Angle (10%):	65°H x 64.5°V
Beam Lumens:	468.3 lumens	Field Lumens:	701.4 lumens
Beam Efficiency:	61.0%	Field Efficiency:	91.3%
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: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Iso-Candela Plot





REPORT NUMBER: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)

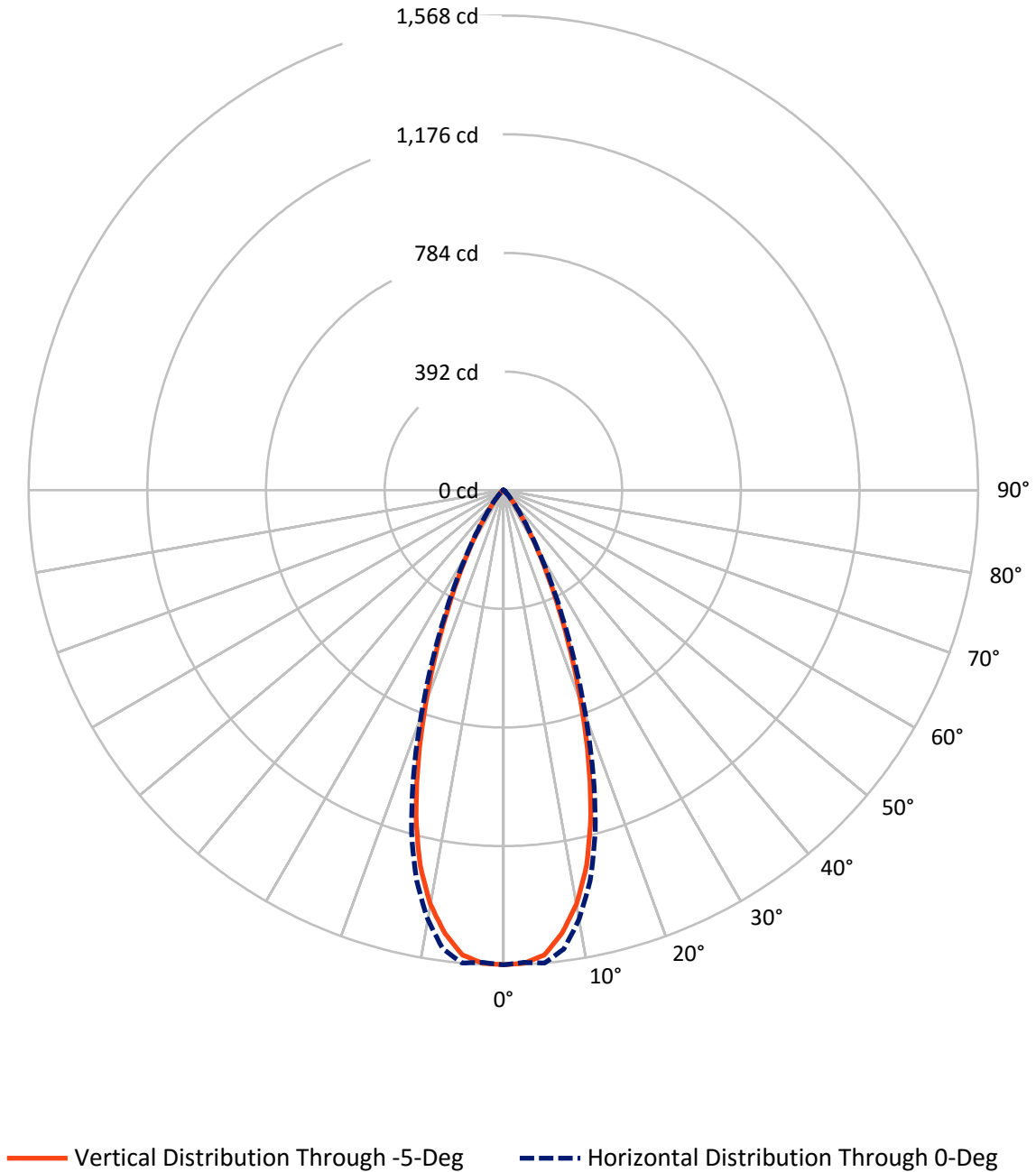
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-BK-L1-UNV

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	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	0.0
70	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.1	0.1	0.3	0.4	0.6	0.6	0.4	0.3	0.1	0.1	0.0	0.0	0.0	
40		0.0	0.0	0.1	0.3	1.0	2.2	3.3	3.3	2.2	1.0	0.3	0.1	0.0	0.0		
30	0.0	0.0	0.1	0.2	0.9	3.3	8.4	13.5	13.5	8.4	3.3	0.9	0.2	0.1	0.0	0.0	
20		0.0	0.1	0.3	1.9	7.9	20.9	32.7	32.7	20.9	7.9	1.9	0.3	0.1	0.0		
10	0.0	0.0	0.1	0.4	2.8	12.3	31.7	45.2	45.2	31.7	12.3	2.8	0.4	0.1	0.0	0.0	
0		0.0	0.1	0.4	2.8	12.3	31.7	45.2	45.2	31.7	12.3	2.8	0.4	0.1	0.0		
-10	0.0	0.0	0.1	0.4	2.8	12.3	31.7	45.2	45.2	31.7	12.3	2.8	0.4	0.1	0.0	0.0	
-20		0.0	0.1	0.3	1.9	7.9	20.9	32.7	32.7	20.9	7.9	1.9	0.3	0.1	0.0		
-30	0.0	0.0	0.1	0.2	0.9	3.3	8.4	13.5	13.5	8.4	3.3	0.9	0.2	0.1	0.0	0.0	
-40		0.0	0.0	0.1	0.3	1.0	2.2	3.3	3.3	2.2	1.0	0.3	0.1	0.0	0.0		
-50	0.0	0.0	0.0	0.1	0.1	0.3	0.4	0.6	0.6	0.4	0.3	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	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-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	

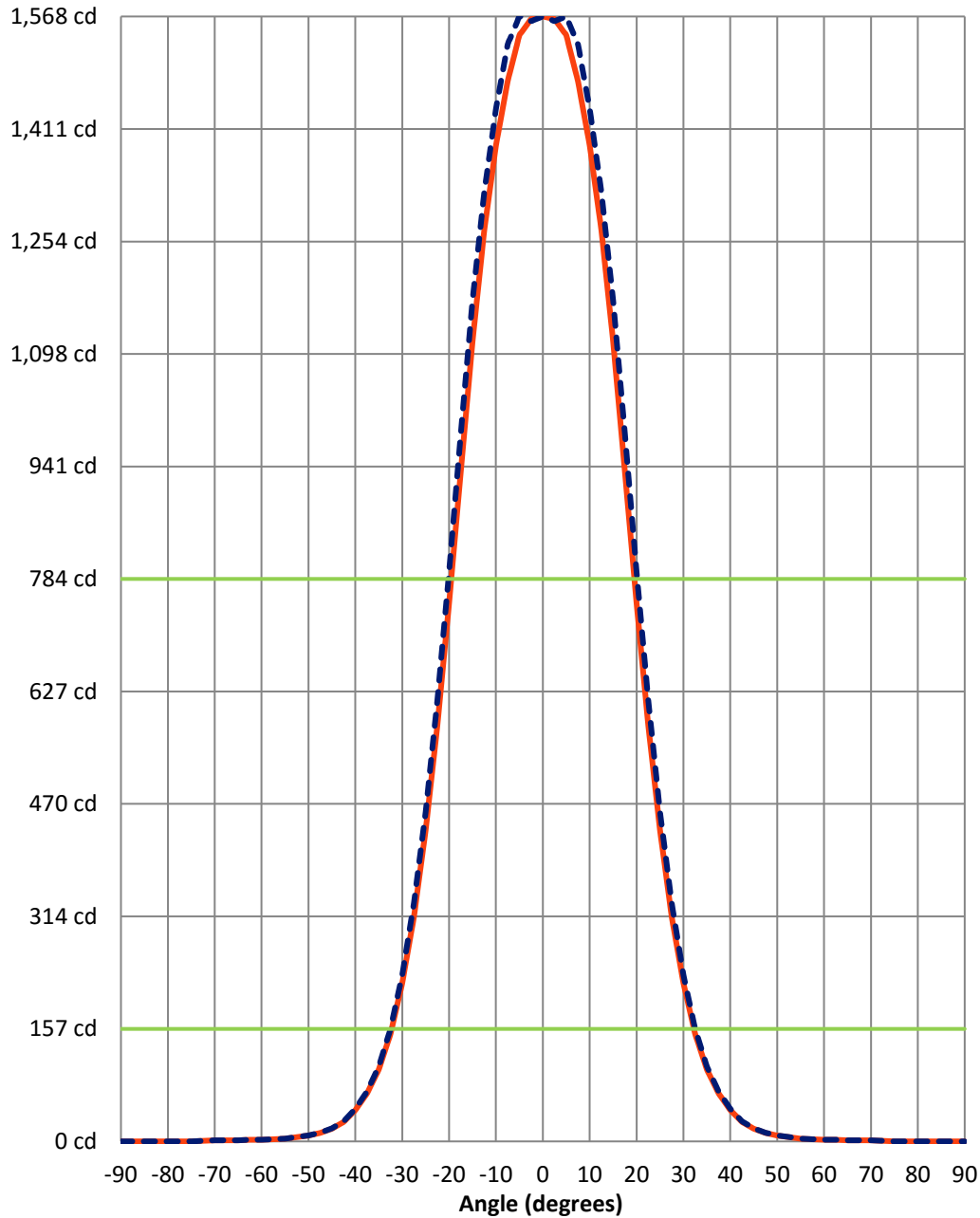
REPORT NUMBER: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-BK-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-BK-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 40.3°
 V Angle: 39.1°
 Lumens: 468.3
 Efficiency: 61.0%

Field:
 H Angle: 65°
 V Angle: 64.5°
 Lumens: 701.4
 Efficiency: 91.3%

Spill:
 Lumens: 66.6
 Efficiency: 8.7%

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



REPORT NUMBER: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-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	1
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	2
32.5°	0	0	0	0	0	0	0	0	1	1	2
30°	0	0	0	0	0	0	0	0	1	1	2
27.5°	0	0	0	0	0	0	0	0	1	1	2
25°	0	0	0	0	0	0	0	0	1	2	2
22.5°	0	0	0	0	0	0	0	0	1	2	2
20°	0	0	0	0	0	0	0	0	1	2	2
17.5°	0	0	0	0	0	0	0	1	1	2	2
15°	0	0	0	0	0	0	0	1	1	2	2
12.5°	0	0	0	0	0	0	0	1	1	2	2
10°	0	0	0	0	0	0	0	1	1	2	2
7.5°	0	0	0	0	0	0	0	1	1	2	2
5°	0	0	0	0	0	0	0	1	1	2	2
2.5°	0	0	0	0	0	0	0	1	1	2	2
0°	0	0	0	0	0	0	0	1	2	2	2
-2.5°	0	0	0	0	0	0	0	1	1	2	2
-5°	0	0	0	0	0	0	0	1	1	2	2
-7.5°	0	0	0	0	0	0	0	1	1	2	2
-10°	0	0	0	0	0	0	0	1	1	2	2
-12.5°	0	0	0	0	0	0	0	1	1	2	2
-15°	0	0	0	0	0	0	0	1	1	2	2
-17.5°	0	0	0	0	0	0	0	1	1	2	2
-20°	0	0	0	0	0	0	0	0	1	2	2



REPORT NUMBER: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-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	2	2
-25°	0	0	0	0	0	0	0	0	1	2	2
-27.5°	0	0	0	0	0	0	0	0	1	1	2
-30°	0	0	0	0	0	0	0	0	1	1	2
-32.5°	0	0	0	0	0	0	0	0	1	1	2
-35°	0	0	0	0	0	0	0	0	0	1	2
-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	1
-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: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-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	1	1	1	1	1
62.5°	0	0	0	0	0	1	1	1	1	2	2
60°	0	0	0	1	1	1	1	2	2	2	2
57.5°	0	0	1	1	1	2	2	2	2	2	2
55°	0	1	1	1	2	2	2	2	2	2	2
52.5°	0	1	1	2	2	2	2	2	2	2	2
50°	1	1	2	2	2	2	2	2	2	2	2
47.5°	1	1	2	2	2	2	2	2	2	3	3
45°	1	2	2	2	2	2	2	2	3	3	4
42.5°	1	2	2	2	2	2	2	3	3	4	5
40°	2	2	2	2	2	2	3	3	4	5	6
37.5°	2	2	2	2	2	2	3	4	5	6	7
35°	2	2	2	2	2	3	3	4	6	7	9
32.5°	2	2	2	2	3	3	4	5	7	9	11
30°	2	2	2	2	3	3	5	6	8	11	14
27.5°	2	2	2	2	3	4	5	7	10	13	18
25°	2	2	2	3	3	4	6	8	11	16	22
22.5°	2	2	2	3	4	5	7	9	13	18	27
20°	2	2	2	3	4	6	8	11	15	22	33
17.5°	2	2	3	3	4	6	8	12	17	26	40
15°	2	2	3	3	5	7	9	14	20	30	46
12.5°	2	2	3	3	5	7	10	15	22	34	53
10°	2	2	3	4	5	8	11	16	24	38	59
7.5°	2	2	3	4	6	8	11	17	26	41	64
5°	2	2	3	4	6	8	12	18	27	44	67
2.5°	2	2	3	4	6	8	12	18	28	45	69
0°	2	2	3	4	6	8	12	18	28	45	70
-2.5°	2	2	3	4	6	8	12	18	28	45	69
-5°	2	2	3	4	6	8	12	18	27	44	67
-7.5°	2	2	3	4	6	8	11	17	26	41	64
-10°	2	2	3	4	5	8	11	16	24	38	59
-12.5°	2	2	3	3	5	7	10	15	22	34	53
-15°	2	2	3	3	5	7	9	14	20	30	46
-17.5°	2	2	3	3	4	6	8	12	17	26	40
-20°	2	2	2	3	4	6	8	11	15	22	33



REPORT NUMBER: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-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°	2	2	2	3	4	5	7	9	13	18	27
-25°	2	2	2	3	3	4	6	8	11	16	22
-27.5°	2	2	2	2	3	4	5	7	10	13	18
-30°	2	2	2	2	3	3	5	6	8	11	14
-32.5°	2	2	2	2	3	3	4	5	7	9	11
-35°	2	2	2	2	2	3	3	4	6	7	9
-37.5°	2	2	2	2	2	2	3	4	5	6	7
-40°	2	2	2	2	2	2	3	3	4	5	6
-42.5°	1	2	2	2	2	2	2	3	3	4	5
-45°	1	2	2	2	2	2	2	2	3	3	4
-47.5°	1	1	2	2	2	2	2	2	2	3	3
-50°	1	1	2	2	2	2	2	2	2	2	2
-52.5°	0	1	1	2	2	2	2	2	2	2	2
-55°	0	1	1	1	2	2	2	2	2	2	2
-57.5°	0	0	1	1	1	2	2	2	2	2	2
-60°	0	0	0	1	1	1	1	2	2	2	2
-62.5°	0	0	0	0	0	1	1	1	1	2	2
-65°	0	0	0	0	0	0	1	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: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-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	1	1	1	1
70°	0	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	3	3	3	3
55°	2	2	2	2	3	3	3	3	3	3	4
52.5°	2	3	3	3	3	4	4	4	5	5	5
50°	3	3	3	4	4	5	6	6	7	7	8
47.5°	3	4	5	5	6	7	8	8	9	10	11
45°	4	5	6	7	8	9	11	12	14	15	16
42.5°	6	7	8	10	11	13	15	17	20	22	24
40°	7	9	11	13	16	18	22	26	30	34	38
37.5°	9	11	14	18	22	27	33	40	46	53	59
35°	12	15	19	24	31	40	49	59	68	78	87
32.5°	15	20	26	34	44	57	69	84	98	113	129
30°	19	26	36	47	62	79	97	119	142	164	188
27.5°	24	34	47	64	84	105	135	165	201	232	263
25°	31	44	62	84	109	143	184	226	272	320	365
22.5°	40	57	79	105	143	190	241	300	364	427	488
20°	49	69	97	135	184	241	309	388	470	553	630
17.5°	59	84	119	165	226	300	388	485	588	692	788
15°	68	98	142	201	272	364	470	588	713	837	950
12.5°	78	113	164	232	320	427	553	692	837	978	1103
10°	87	129	188	263	365	488	630	788	950	1103	1230
7.5°	95	141	207	292	403	540	698	871	1045	1201	1324
5°	100	150	221	313	434	580	750	934	1115	1270	1388
2.5°	103	155	229	327	453	606	783	973	1157	1310	1426
0°	105	157	232	332	459	615	794	987	1172	1323	1439
-2.5°	103	155	229	327	453	606	783	973	1157	1310	1426
-5°	100	150	221	313	434	580	750	934	1115	1270	1388
-7.5°	95	141	207	292	403	540	698	871	1045	1201	1324
-10°	87	129	188	263	365	488	630	788	950	1103	1230
-12.5°	78	113	164	232	320	427	553	692	837	978	1103
-15°	68	98	142	201	272	364	470	588	713	837	950
-17.5°	59	84	119	165	226	300	388	485	588	692	788
-20°	49	69	97	135	184	241	309	388	470	553	630



REPORT NUMBER: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	40	57	79	105	143	190	241	300	364	427	488
-25°	31	44	62	84	109	143	184	226	272	320	365
-27.5°	24	34	47	64	84	105	135	165	201	232	263
-30°	19	26	36	47	62	79	97	119	142	164	188
-32.5°	15	20	26	34	44	57	69	84	98	113	129
-35°	12	15	19	24	31	40	49	59	68	78	87
-37.5°	9	11	14	18	22	27	33	40	46	53	59
-40°	7	9	11	13	16	18	22	26	30	34	38
-42.5°	6	7	8	10	11	13	15	17	20	22	24
-45°	4	5	6	7	8	9	11	12	14	15	16
-47.5°	3	4	5	5	6	7	8	8	9	10	11
-50°	3	3	3	4	4	5	6	6	7	7	8
-52.5°	2	3	3	3	3	4	4	4	5	5	5
-55°	2	2	2	2	3	3	3	3	3	3	4
-57.5°	2	2	2	2	2	2	2	3	3	3	3
-60°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	2	2	2	2	2	2	2
-70°	0	1	1	1	1	1	1	1	1	1	1
-72.5°	0	0	0	0	0	0	0	1	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: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-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	1
70°	1	1	1	2	1	1	1	1	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°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
57.5°	3	3	3	3	3	3	3	3	3	3	3
55°	4	4	4	4	4	4	4	4	3	3	3
52.5°	6	6	6	6	6	6	6	5	5	5	4
50°	8	8	8	8	8	8	8	8	7	7	6
47.5°	11	12	12	12	12	12	11	11	10	9	8
45°	17	18	18	18	18	18	17	16	15	14	12
42.5°	26	27	28	28	28	27	26	24	22	20	17
40°	41	44	45	45	45	44	41	38	34	30	26
37.5°	64	67	69	70	69	67	64	59	53	46	40
35°	95	100	103	105	103	100	95	87	78	68	59
32.5°	141	150	155	157	155	150	141	129	113	98	84
30°	207	221	229	232	229	221	207	188	164	142	119
27.5°	292	313	327	332	327	313	292	263	232	201	165
25°	403	434	453	459	453	434	403	365	320	272	226
22.5°	540	580	606	615	606	580	540	488	427	364	300
20°	698	750	783	794	783	750	698	630	553	470	388
17.5°	871	934	973	987	973	934	871	788	692	588	485
15°	1045	1115	1157	1172	1157	1115	1045	950	837	713	588
12.5°	1201	1270	1310	1323	1310	1270	1201	1103	978	837	692
10°	1324	1388	1426	1439	1426	1388	1324	1230	1103	950	788
7.5°	1414	1478	1517	1529	1517	1478	1414	1324	1201	1045	871
5°	1478	1542	1564	1568	1564	1542	1478	1388	1270	1115	934
2.5°	1517	1564	1566	1562	1566	1564	1517	1426	1310	1157	973
0°	1529	1568	1562	1568	1562	1568	1529	1439	1323	1172	987
-2.5°	1517	1564	1566	1562	1566	1564	1517	1426	1310	1157	973
-5°	1478	1542	1564	1568	1564	1542	1478	1388	1270	1115	934
-7.5°	1414	1478	1517	1529	1517	1478	1414	1324	1201	1045	871
-10°	1324	1388	1426	1439	1426	1388	1324	1230	1103	950	788
-12.5°	1201	1270	1310	1323	1310	1270	1201	1103	978	837	692
-15°	1045	1115	1157	1172	1157	1115	1045	950	837	713	588
-17.5°	871	934	973	987	973	934	871	788	692	588	485
-20°	698	750	783	794	783	750	698	630	553	470	388



REPORT NUMBER: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-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°	540	580	606	615	606	580	540	488	427	364	300
-25°	403	434	453	459	453	434	403	365	320	272	226
-27.5°	292	313	327	332	327	313	292	263	232	201	165
-30°	207	221	229	232	229	221	207	188	164	142	119
-32.5°	141	150	155	157	155	150	141	129	113	98	84
-35°	95	100	103	105	103	100	95	87	78	68	59
-37.5°	64	67	69	70	69	67	64	59	53	46	40
-40°	41	44	45	45	45	44	41	38	34	30	26
-42.5°	26	27	28	28	28	27	26	24	22	20	17
-45°	17	18	18	18	18	18	17	16	15	14	12
-47.5°	11	12	12	12	12	12	11	11	10	9	8
-50°	8	8	8	8	8	8	8	8	7	7	6
-52.5°	6	6	6	6	6	6	6	5	5	5	4
-55°	4	4	4	4	4	4	4	4	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-60°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	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°	1	1	1	2	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	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: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-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	1	0	0	0	0	0
67.5°	2	2	2	1	1	1	1	1	1	0	0
65°	2	2	2	2	2	2	2	1	1	1	1
62.5°	2	2	2	2	2	2	2	2	2	1	1
60°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
55°	3	3	3	2	2	2	2	2	2	2	2
52.5°	4	4	3	3	3	3	2	2	2	2	2
50°	6	5	4	4	3	3	3	2	2	2	2
47.5°	8	7	6	5	5	4	3	3	3	2	2
45°	11	9	8	7	6	5	4	4	3	3	2
42.5°	15	13	11	10	8	7	6	5	4	3	3
40°	22	18	16	13	11	9	7	6	5	4	3
37.5°	33	27	22	18	14	11	9	7	6	5	4
35°	49	40	31	24	19	15	12	9	7	6	4
32.5°	69	57	44	34	26	20	15	11	9	7	5
30°	97	79	62	47	36	26	19	14	11	8	6
27.5°	135	105	84	64	47	34	24	18	13	10	7
25°	184	143	109	84	62	44	31	22	16	11	8
22.5°	241	190	143	105	79	57	40	27	18	13	9
20°	309	241	184	135	97	69	49	33	22	15	11
17.5°	388	300	226	165	119	84	59	40	26	17	12
15°	470	364	272	201	142	98	68	46	30	20	14
12.5°	553	427	320	232	164	113	78	53	34	22	15
10°	630	488	365	263	188	129	87	59	38	24	16
7.5°	698	540	403	292	207	141	95	64	41	26	17
5°	750	580	434	313	221	150	100	67	44	27	18
2.5°	783	606	453	327	229	155	103	69	45	28	18
0°	794	615	459	332	232	157	105	70	45	28	18
-2.5°	783	606	453	327	229	155	103	69	45	28	18
-5°	750	580	434	313	221	150	100	67	44	27	18
-7.5°	698	540	403	292	207	141	95	64	41	26	17
-10°	630	488	365	263	188	129	87	59	38	24	16
-12.5°	553	427	320	232	164	113	78	53	34	22	15
-15°	470	364	272	201	142	98	68	46	30	20	14
-17.5°	388	300	226	165	119	84	59	40	26	17	12
-20°	309	241	184	135	97	69	49	33	22	15	11



REPORT NUMBER: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	241	190	143	105	79	57	40	27	18	13	9
-25°	184	143	109	84	62	44	31	22	16	11	8
-27.5°	135	105	84	64	47	34	24	18	13	10	7
-30°	97	79	62	47	36	26	19	14	11	8	6
-32.5°	69	57	44	34	26	20	15	11	9	7	5
-35°	49	40	31	24	19	15	12	9	7	6	4
-37.5°	33	27	22	18	14	11	9	7	6	5	4
-40°	22	18	16	13	11	9	7	6	5	4	3
-42.5°	15	13	11	10	8	7	6	5	4	3	3
-45°	11	9	8	7	6	5	4	4	3	3	2
-47.5°	8	7	6	5	5	4	3	3	3	2	2
-50°	6	5	4	4	3	3	3	2	2	2	2
-52.5°	4	4	3	3	3	3	2	2	2	2	2
-55°	3	3	3	2	2	2	2	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	1	1
-65°	2	2	2	2	2	2	2	1	1	1	1
-67.5°	2	2	2	1	1	1	1	1	1	0	0
-70°	1	1	1	1	1	1	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: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-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°	1	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	1	0	0	0	0	0	0	0
57.5°	2	2	1	1	1	0	0	0	0	0	0
55°	2	2	2	1	1	1	0	0	0	0	0
52.5°	2	2	2	2	1	1	0	0	0	0	0
50°	2	2	2	2	2	1	1	0	0	0	0
47.5°	2	2	2	2	2	1	1	1	0	0	0
45°	2	2	2	2	2	2	1	1	0	0	0
42.5°	2	2	2	2	2	2	1	1	0	0	0
40°	3	2	2	2	2	2	2	1	1	0	0
37.5°	3	2	2	2	2	2	2	1	1	0	0
35°	3	3	2	2	2	2	2	2	1	0	0
32.5°	4	3	3	2	2	2	2	2	1	1	0
30°	5	3	3	2	2	2	2	2	1	1	0
27.5°	5	4	3	2	2	2	2	2	1	1	0
25°	6	4	3	3	2	2	2	2	2	1	0
22.5°	7	5	4	3	2	2	2	2	2	1	0
20°	8	6	4	3	2	2	2	2	2	1	0
17.5°	8	6	4	3	3	2	2	2	2	1	1
15°	9	7	5	3	3	2	2	2	2	1	1
12.5°	10	7	5	3	3	2	2	2	2	1	1
10°	11	8	5	4	3	2	2	2	2	1	1
7.5°	11	8	6	4	3	2	2	2	2	1	1
5°	12	8	6	4	3	2	2	2	2	1	1
2.5°	12	8	6	4	3	2	2	2	2	1	1
0°	12	8	6	4	3	2	2	2	2	2	1
-2.5°	12	8	6	4	3	2	2	2	2	1	1
-5°	12	8	6	4	3	2	2	2	2	1	1
-7.5°	11	8	6	4	3	2	2	2	2	1	1
-10°	11	8	5	4	3	2	2	2	2	1	1
-12.5°	10	7	5	3	3	2	2	2	2	1	1
-15°	9	7	5	3	3	2	2	2	2	1	1
-17.5°	8	6	4	3	3	2	2	2	2	1	1
-20°	8	6	4	3	2	2	2	2	2	1	0



REPORT NUMBER: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-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°	7	5	4	3	2	2	2	2	2	1	0
-25°	6	4	3	3	2	2	2	2	2	1	0
-27.5°	5	4	3	2	2	2	2	2	1	1	0
-30°	5	3	3	2	2	2	2	2	1	1	0
-32.5°	4	3	3	2	2	2	2	2	1	1	0
-35°	3	3	2	2	2	2	2	2	1	0	0
-37.5°	3	2	2	2	2	2	2	1	1	0	0
-40°	3	2	2	2	2	2	2	1	1	0	0
-42.5°	2	2	2	2	2	2	1	1	0	0	0
-45°	2	2	2	2	2	2	1	1	0	0	0
-47.5°	2	2	2	2	2	1	1	1	0	0	0
-50°	2	2	2	2	2	1	1	0	0	0	0
-52.5°	2	2	2	2	1	1	0	0	0	0	0
-55°	2	2	2	1	1	1	0	0	0	0	0
-57.5°	2	2	1	1	1	0	0	0	0	0	0
-60°	1	1	1	1	0	0	0	0	0	0	0
-62.5°	1	1	0	0	0	0	0	0	0	0	0
-65°	1	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: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-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: P220417 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-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)