

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: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220421 (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-LED2797-F-BK-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

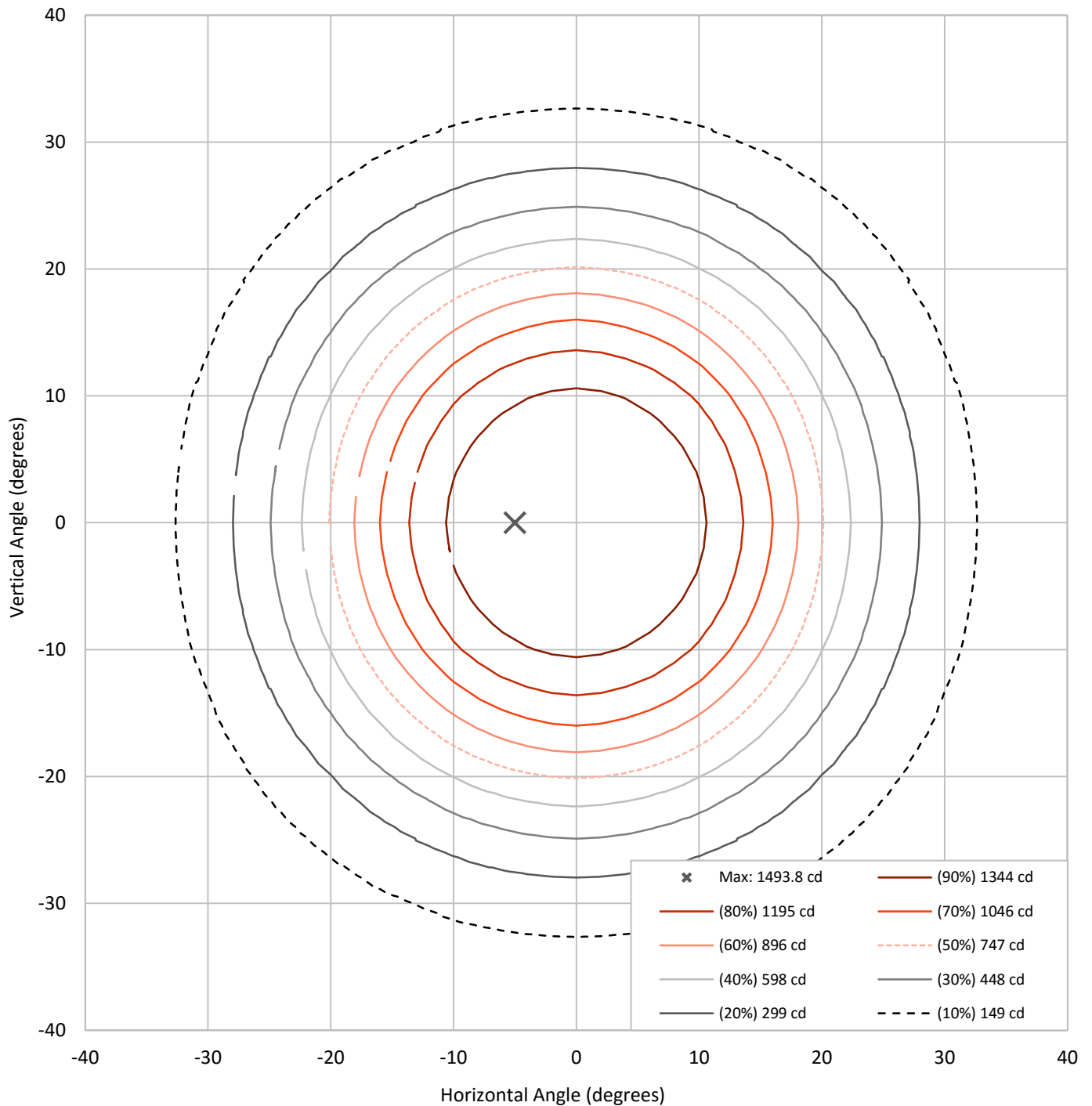
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	731.6 lumens	Max Intensity:	1493.8 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x 0°V
Efficacy:	73.2 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.3°H x 39.1°V	Field Angle (10%):	65°H x 64.5°V
Beam Lumens:	446.2 lumens	Field Lumens:	668.2 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: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Iso-Candela Plot





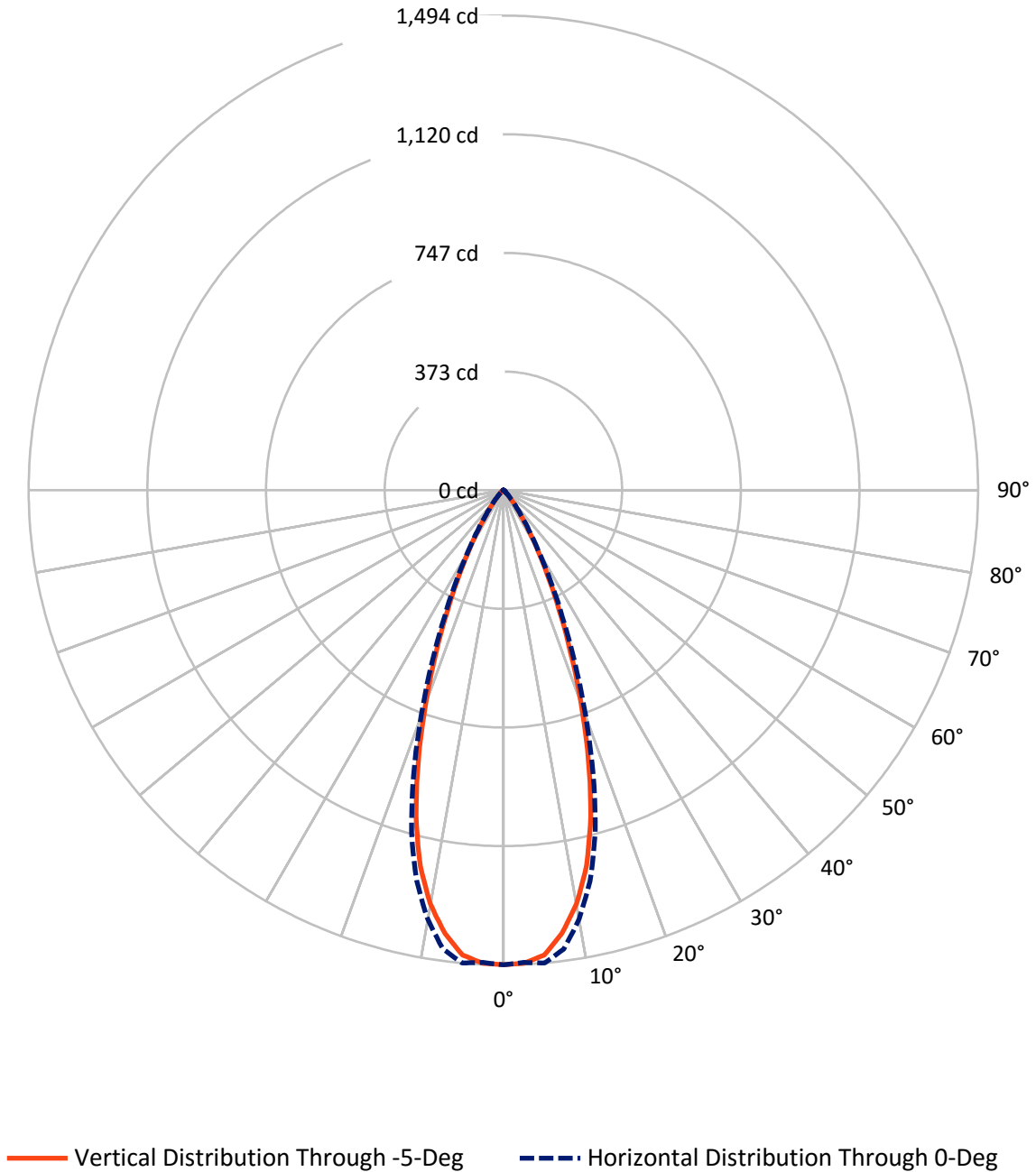
REPORT NUMBER: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-BK-L1-UNV

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	0.2	0.4	0.6	0.6	0.4	0.2	0.1	0.1	0.0	0.0	0.0	
40		0.0	0.0	0.1	0.3	0.9	2.1	3.2	3.2	2.1	0.9	0.3	0.1	0.0	0.0		
30	0.0	0.0	0.0	0.2	0.8	3.2	8.0	12.8	12.8	8.0	3.2	0.8	0.2	0.0	0.0	0.0	
20		0.0	0.1	0.3	1.8	7.6	19.9	31.1	31.1	19.9	7.6	1.8	0.3	0.1	0.0		
10	0.0	0.0	0.1	0.4	2.7	11.8	30.2	43.1	43.1	30.2	11.8	2.7	0.4	0.1	0.0	0.0	
0		0.0	0.1	0.4	2.7	11.8	30.2	43.1	43.1	30.2	11.8	2.7	0.4	0.1	0.0		
-10	0.0	0.0	0.1	0.4	2.7	11.8	30.2	43.1	43.1	30.2	11.8	2.7	0.4	0.1	0.0	0.0	
-20		0.0	0.1	0.3	1.8	7.6	19.9	31.1	31.1	19.9	7.6	1.8	0.3	0.1	0.0		
-30	0.0	0.0	0.0	0.2	0.8	3.2	8.0	12.8	12.8	8.0	3.2	0.8	0.2	0.0	0.0	0.0	
-40		0.0	0.0	0.1	0.3	0.9	2.1	3.2	3.2	2.1	0.9	0.3	0.1	0.0	0.0		
-50	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.6	0.6	0.4	0.2	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	

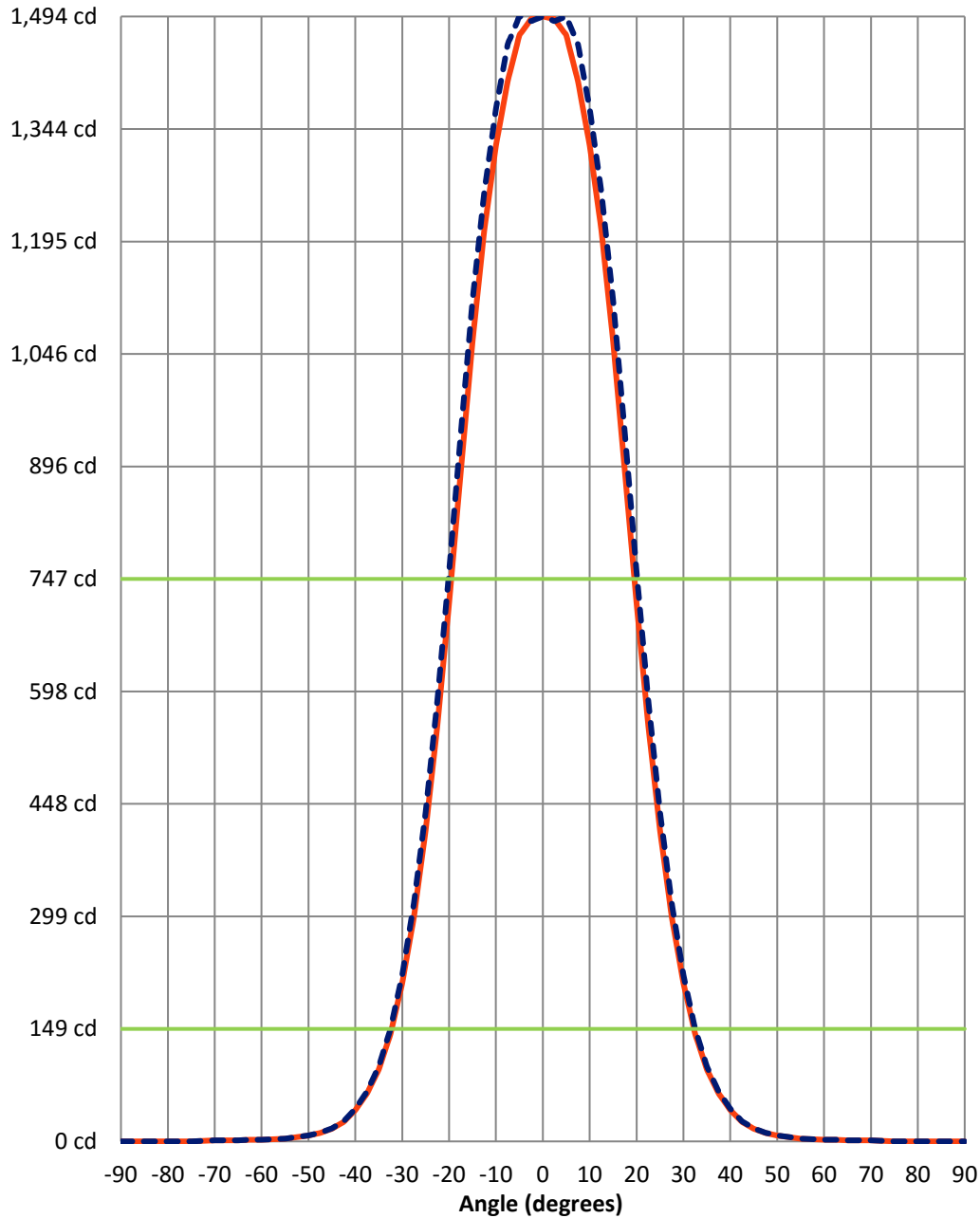
REPORT NUMBER: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-BK-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-BK-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 40.3°
 V Angle: 39.1°
 Lumens: 446.2
 Efficiency: 61.0%

Field:
 H Angle: 65°
 V Angle: 64.5°
 Lumens: 668.2
 Efficiency: 91.3%

Spill:
 Lumens: 63.4
 Efficiency: 8.7%

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



REPORT NUMBER: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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	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: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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	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: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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	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	2	2
52.5°	0	1	1	1	1	1	1	2	2	2	2
50°	1	1	1	1	1	1	2	2	2	2	2
47.5°	1	1	1	1	1	2	2	2	2	3	3
45°	1	1	1	1	2	2	2	2	3	3	3
42.5°	1	1	1	1	2	2	2	3	3	3	4
40°	1	1	1	2	2	2	3	3	3	4	6
37.5°	1	1	1	2	2	2	3	3	4	6	7
35°	1	1	2	2	2	3	3	4	5	7	9
32.5°	1	1	2	2	2	3	4	5	7	8	11
30°	1	2	2	2	3	3	4	6	8	10	14
27.5°	1	2	2	2	3	4	5	7	9	12	17
25°	1	2	2	3	3	4	6	8	11	15	21
22.5°	1	2	2	3	3	5	7	9	13	17	25
20°	2	2	2	3	4	5	7	10	15	21	31
17.5°	2	2	2	3	4	6	8	11	17	25	38
15°	2	2	3	3	4	7	9	13	19	28	44
12.5°	2	2	3	3	5	7	10	14	21	33	50
10°	2	2	3	3	5	7	10	15	23	36	56
7.5°	2	2	3	4	5	8	11	16	25	39	61
5°	2	2	3	4	6	8	11	17	26	42	64
2.5°	2	2	3	4	6	8	11	17	26	43	66
0°	2	2	3	4	6	8	12	17	27	43	66
-2.5°	2	2	3	4	6	8	11	17	26	43	66
-5°	2	2	3	4	6	8	11	17	26	42	64
-7.5°	2	2	3	4	5	8	11	16	25	39	61
-10°	2	2	3	3	5	7	10	15	23	36	56
-12.5°	2	2	3	3	5	7	10	14	21	33	50
-15°	2	2	3	3	4	7	9	13	19	28	44
-17.5°	2	2	2	3	4	6	8	11	17	25	38
-20°	2	2	2	3	4	5	7	10	15	21	31



REPORT NUMBER: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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°	1	2	2	3	3	5	7	9	13	17	25
-25°	1	2	2	3	3	4	6	8	11	15	21
-27.5°	1	2	2	2	3	4	5	7	9	12	17
-30°	1	2	2	2	3	3	4	6	8	10	14
-32.5°	1	1	2	2	2	3	4	5	7	8	11
-35°	1	1	2	2	2	3	3	4	5	7	9
-37.5°	1	1	1	2	2	2	3	3	4	6	7
-40°	1	1	1	2	2	2	3	3	3	4	6
-42.5°	1	1	1	1	2	2	2	3	3	3	4
-45°	1	1	1	1	2	2	2	2	3	3	3
-47.5°	1	1	1	1	1	2	2	2	2	3	3
-50°	1	1	1	1	1	1	2	2	2	2	2
-52.5°	0	1	1	1	1	1	1	2	2	2	2
-55°	0	0	1	1	1	1	1	1	1	2	2
-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: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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	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	2	2	2	2	2
60°	1	1	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	3	3	3
55°	2	2	2	2	3	3	3	3	3	3	3
52.5°	2	2	3	3	3	3	4	4	4	5	5
50°	3	3	3	4	4	5	5	6	7	7	7
47.5°	3	4	4	5	6	7	7	8	9	10	10
45°	4	5	6	7	8	9	10	11	13	14	15
42.5°	5	7	8	9	11	13	15	17	19	21	23
40°	7	8	10	12	15	17	21	25	28	33	36
37.5°	9	11	14	17	21	25	31	38	44	50	56
35°	11	14	18	23	30	38	46	56	65	74	83
32.5°	14	19	25	33	42	54	66	80	94	108	123
30°	18	25	34	45	59	75	93	113	135	156	179
27.5°	23	33	45	61	80	100	129	157	191	221	251
25°	30	42	59	80	104	137	175	215	259	305	348
22.5°	38	54	75	100	137	181	229	286	347	407	465
20°	46	66	93	129	175	229	295	370	448	527	600
17.5°	56	80	113	157	215	286	370	462	560	659	751
15°	65	94	135	191	259	347	448	560	679	798	905
12.5°	74	108	156	221	305	407	527	659	798	932	1051
10°	83	123	179	251	348	465	600	751	905	1051	1172
7.5°	90	134	197	278	384	514	665	830	996	1145	1261
5°	95	143	210	298	413	552	715	890	1062	1209	1322
2.5°	99	148	218	312	431	577	746	927	1103	1248	1359
0°	100	149	221	316	437	586	756	940	1116	1260	1371
-2.5°	99	148	218	312	431	577	746	927	1103	1248	1359
-5°	95	143	210	298	413	552	715	890	1062	1209	1322
-7.5°	90	134	197	278	384	514	665	830	996	1145	1261
-10°	83	123	179	251	348	465	600	751	905	1051	1172
-12.5°	74	108	156	221	305	407	527	659	798	932	1051
-15°	65	94	135	191	259	347	448	560	679	798	905
-17.5°	56	80	113	157	215	286	370	462	560	659	751
-20°	46	66	93	129	175	229	295	370	448	527	600



REPORT NUMBER: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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°	38	54	75	100	137	181	229	286	347	407	465
-25°	30	42	59	80	104	137	175	215	259	305	348
-27.5°	23	33	45	61	80	100	129	157	191	221	251
-30°	18	25	34	45	59	75	93	113	135	156	179
-32.5°	14	19	25	33	42	54	66	80	94	108	123
-35°	11	14	18	23	30	38	46	56	65	74	83
-37.5°	9	11	14	17	21	25	31	38	44	50	56
-40°	7	8	10	12	15	17	21	25	28	33	36
-42.5°	5	7	8	9	11	13	15	17	19	21	23
-45°	4	5	6	7	8	9	10	11	13	14	15
-47.5°	3	4	4	5	6	7	7	8	9	10	10
-50°	3	3	3	4	4	5	5	6	7	7	7
-52.5°	2	2	3	3	3	3	4	4	4	5	5
-55°	2	2	2	2	3	3	3	3	3	3	3
-57.5°	2	2	2	2	2	2	2	2	3	3	3
-60°	1	1	2	2	2	2	2	2	2	2	2
-62.5°	1	1	1	1	1	1	2	2	2	2	2
-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: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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	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°	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	2
55°	4	4	4	4	4	4	4	3	3	3	3
52.5°	5	6	6	6	6	6	5	5	5	4	4
50°	8	8	8	8	8	8	8	7	7	7	6
47.5°	11	11	11	12	11	11	11	10	10	9	8
45°	16	17	17	17	17	17	16	15	14	13	11
42.5°	25	26	26	27	26	26	25	23	21	19	17
40°	39	42	43	43	43	42	39	36	33	28	25
37.5°	61	64	66	66	66	64	61	56	50	44	38
35°	90	95	99	100	99	95	90	83	74	65	56
32.5°	134	143	148	149	148	143	134	123	108	94	80
30°	197	210	218	221	218	210	197	179	156	135	113
27.5°	278	298	312	316	312	298	278	251	221	191	157
25°	384	413	431	437	431	413	384	348	305	259	215
22.5°	514	552	577	586	577	552	514	465	407	347	286
20°	665	715	746	756	746	715	665	600	527	448	370
17.5°	830	890	927	940	927	890	830	751	659	560	462
15°	996	1062	1103	1116	1103	1062	996	905	798	679	560
12.5°	1145	1209	1248	1260	1248	1209	1145	1051	932	798	659
10°	1261	1322	1359	1371	1359	1322	1261	1172	1051	905	751
7.5°	1347	1408	1445	1457	1445	1408	1347	1261	1145	996	830
5°	1408	1469	1490	1494	1490	1469	1408	1322	1209	1062	890
2.5°	1445	1490	1492	1488	1492	1490	1445	1359	1248	1103	927
0°	1457	1494	1488	1494	1488	1494	1457	1371	1260	1116	940
-2.5°	1445	1490	1492	1488	1492	1490	1445	1359	1248	1103	927
-5°	1408	1469	1490	1494	1490	1469	1408	1322	1209	1062	890
-7.5°	1347	1408	1445	1457	1445	1408	1347	1261	1145	996	830
-10°	1261	1322	1359	1371	1359	1322	1261	1172	1051	905	751
-12.5°	1145	1209	1248	1260	1248	1209	1145	1051	932	798	659
-15°	996	1062	1103	1116	1103	1062	996	905	798	679	560
-17.5°	830	890	927	940	927	890	830	751	659	560	462
-20°	665	715	746	756	746	715	665	600	527	448	370



REPORT NUMBER: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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°	514	552	577	586	577	552	514	465	407	347	286
-25°	384	413	431	437	431	413	384	348	305	259	215
-27.5°	278	298	312	316	312	298	278	251	221	191	157
-30°	197	210	218	221	218	210	197	179	156	135	113
-32.5°	134	143	148	149	148	143	134	123	108	94	80
-35°	90	95	99	100	99	95	90	83	74	65	56
-37.5°	61	64	66	66	66	64	61	56	50	44	38
-40°	39	42	43	43	43	42	39	36	33	28	25
-42.5°	25	26	26	27	26	26	25	23	21	19	17
-45°	16	17	17	17	17	17	16	15	14	13	11
-47.5°	11	11	11	12	11	11	11	10	10	9	8
-50°	8	8	8	8	8	8	8	7	7	7	6
-52.5°	5	6	6	6	6	6	5	5	5	4	4
-55°	4	4	4	4	4	4	4	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	2
-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°	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: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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	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°	2	1	1	1	1	1	1	1	1	1	1
60°	2	2	2	2	2	1	1	1	1	1	1
57.5°	2	2	2	2	2	2	2	1	1	1	1
55°	3	3	3	2	2	2	2	2	2	1	1
52.5°	4	3	3	3	3	2	2	2	2	2	2
50°	5	5	4	4	3	3	3	2	2	2	2
47.5°	7	7	6	5	4	4	3	3	3	2	2
45°	10	9	8	7	6	5	4	3	3	3	2
42.5°	15	13	11	9	8	7	5	4	3	3	3
40°	21	17	15	12	10	8	7	6	4	3	3
37.5°	31	25	21	17	14	11	9	7	6	4	3
35°	46	38	30	23	18	14	11	9	7	5	4
32.5°	66	54	42	33	25	19	14	11	8	7	5
30°	93	75	59	45	34	25	18	14	10	8	6
27.5°	129	100	80	61	45	33	23	17	12	9	7
25°	175	137	104	80	59	42	30	21	15	11	8
22.5°	229	181	137	100	75	54	38	25	17	13	9
20°	295	229	175	129	93	66	46	31	21	15	10
17.5°	370	286	215	157	113	80	56	38	25	17	11
15°	448	347	259	191	135	94	65	44	28	19	13
12.5°	527	407	305	221	156	108	74	50	33	21	14
10°	600	465	348	251	179	123	83	56	36	23	15
7.5°	665	514	384	278	197	134	90	61	39	25	16
5°	715	552	413	298	210	143	95	64	42	26	17
2.5°	746	577	431	312	218	148	99	66	43	26	17
0°	756	586	437	316	221	149	100	66	43	27	17
-2.5°	746	577	431	312	218	148	99	66	43	26	17
-5°	715	552	413	298	210	143	95	64	42	26	17
-7.5°	665	514	384	278	197	134	90	61	39	25	16
-10°	600	465	348	251	179	123	83	56	36	23	15
-12.5°	527	407	305	221	156	108	74	50	33	21	14
-15°	448	347	259	191	135	94	65	44	28	19	13
-17.5°	370	286	215	157	113	80	56	38	25	17	11
-20°	295	229	175	129	93	66	46	31	21	15	10



REPORT NUMBER: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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°	229	181	137	100	75	54	38	25	17	13	9
-25°	175	137	104	80	59	42	30	21	15	11	8
-27.5°	129	100	80	61	45	33	23	17	12	9	7
-30°	93	75	59	45	34	25	18	14	10	8	6
-32.5°	66	54	42	33	25	19	14	11	8	7	5
-35°	46	38	30	23	18	14	11	9	7	5	4
-37.5°	31	25	21	17	14	11	9	7	6	4	3
-40°	21	17	15	12	10	8	7	6	4	3	3
-42.5°	15	13	11	9	8	7	5	4	3	3	3
-45°	10	9	8	7	6	5	4	3	3	3	2
-47.5°	7	7	6	5	4	4	3	3	3	2	2
-50°	5	5	4	4	3	3	3	2	2	2	2
-52.5°	4	3	3	3	3	2	2	2	2	2	2
-55°	3	3	3	2	2	2	2	2	2	1	1
-57.5°	2	2	2	2	2	2	2	1	1	1	1
-60°	2	2	2	2	2	1	1	1	1	1	1
-62.5°	2	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: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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°	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°	2	1	1	1	1	1	1	0	0	0	0
47.5°	2	2	1	1	1	1	1	0	0	0	0
45°	2	2	2	1	1	1	1	1	0	0	0
42.5°	2	2	2	1	1	1	1	1	0	0	0
40°	3	2	2	2	1	1	1	1	1	0	0
37.5°	3	2	2	2	1	1	1	1	1	0	0
35°	3	3	2	2	2	1	1	1	1	0	0
32.5°	4	3	2	2	2	1	1	1	1	0	0
30°	4	3	3	2	2	2	1	1	1	1	0
27.5°	5	4	3	2	2	2	1	1	1	1	0
25°	6	4	3	3	2	2	1	1	1	1	0
22.5°	7	5	3	3	2	2	1	1	1	1	0
20°	7	5	4	3	2	2	2	1	1	1	0
17.5°	8	6	4	3	2	2	2	1	1	1	0
15°	9	7	4	3	3	2	2	1	1	1	1
12.5°	10	7	5	3	3	2	2	1	1	1	1
10°	10	7	5	3	3	2	2	1	1	1	1
7.5°	11	8	5	4	3	2	2	1	1	1	1
5°	11	8	6	4	3	2	2	1	1	1	1
2.5°	11	8	6	4	3	2	2	1	1	1	1
0°	12	8	6	4	3	2	2	1	1	1	1
-2.5°	11	8	6	4	3	2	2	1	1	1	1
-5°	11	8	6	4	3	2	2	1	1	1	1
-7.5°	11	8	5	4	3	2	2	1	1	1	1
-10°	10	7	5	3	3	2	2	1	1	1	1
-12.5°	10	7	5	3	3	2	2	1	1	1	1
-15°	9	7	4	3	3	2	2	1	1	1	1
-17.5°	8	6	4	3	2	2	2	1	1	1	0
-20°	7	5	4	3	2	2	2	1	1	1	0



REPORT NUMBER: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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	3	3	2	2	1	1	1	1	0
-25°	6	4	3	3	2	2	1	1	1	1	0
-27.5°	5	4	3	2	2	2	1	1	1	1	0
-30°	4	3	3	2	2	2	1	1	1	1	0
-32.5°	4	3	2	2	2	1	1	1	1	0	0
-35°	3	3	2	2	2	1	1	1	1	0	0
-37.5°	3	2	2	2	1	1	1	1	1	0	0
-40°	3	2	2	2	1	1	1	1	1	0	0
-42.5°	2	2	2	1	1	1	1	1	0	0	0
-45°	2	2	2	1	1	1	1	1	0	0	0
-47.5°	2	2	1	1	1	1	1	0	0	0	0
-50°	2	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: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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: P220421 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-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)