

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: P220397 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220397 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29420)  
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-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,  
WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

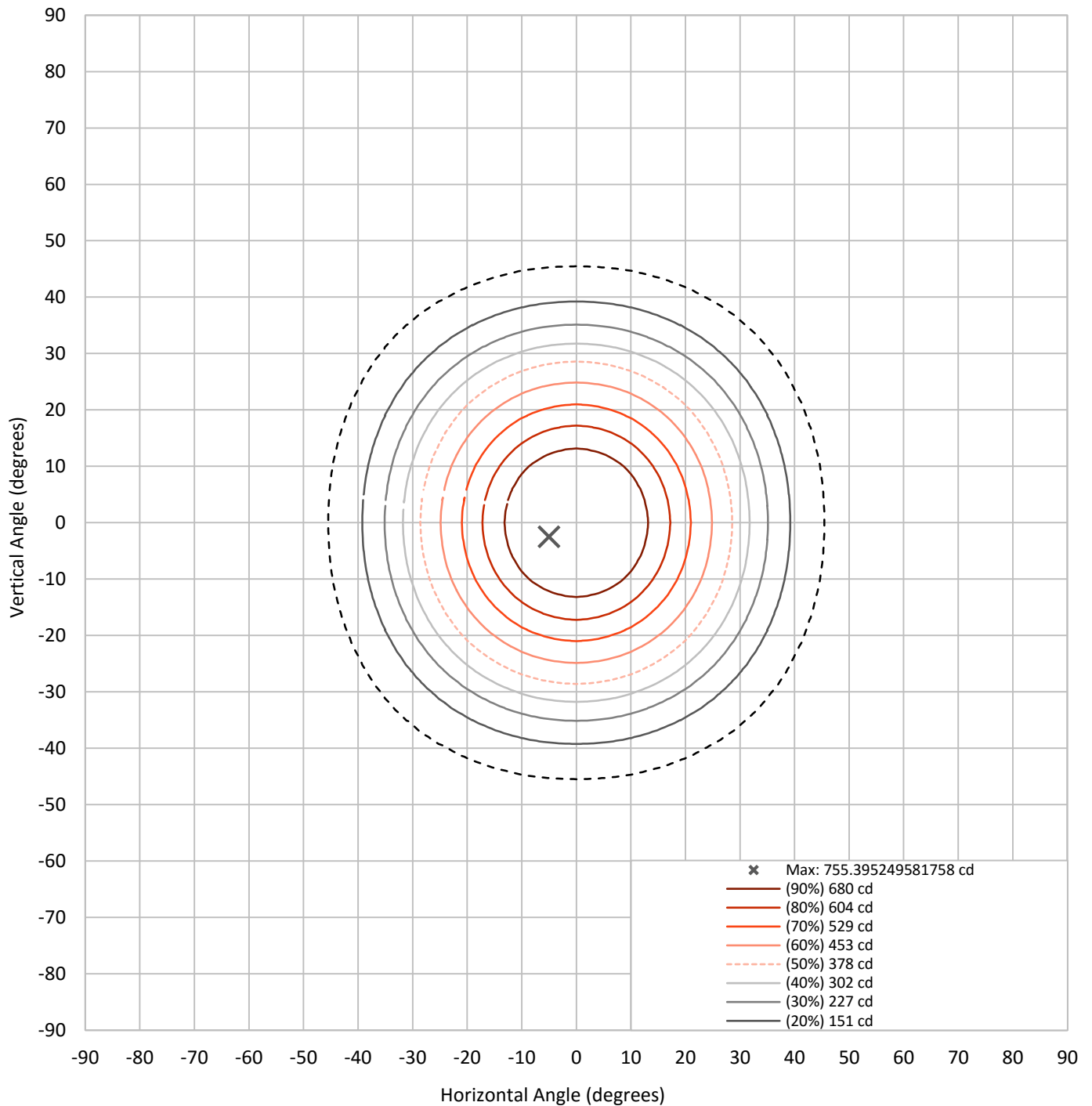
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	696.2 lumens	Max Intensity:	755.4 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	69.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	57°H x 56.4°V	Field Angle (10%):	90.7°H x 90.4°V
Beam Lumens:	428.7 lumens	Field Lumens:	641.8 lumens
Beam Efficiency:	61.6%	Field Efficiency:	92.2%
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		



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### Iso-Candela Plot





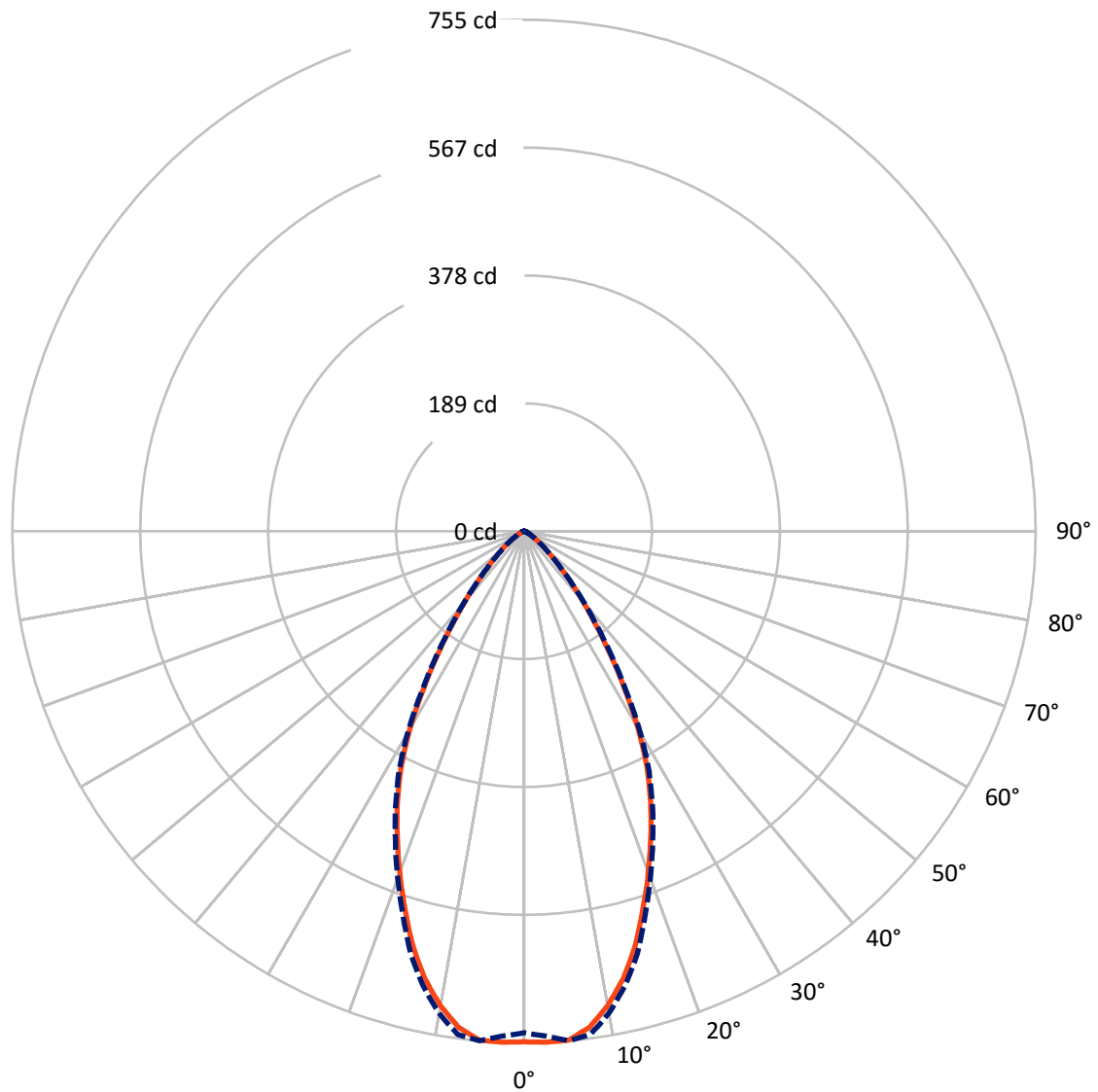
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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-W-WT-L1-UNV

### Lumen Table

90																
80	0.0	0.0		0.1	0.2		0.2		0.2		0.1	0.0		0.0		
70																
60	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	
50		0.0	0.1	0.1	0.3	0.4	0.6	0.7	0.7	0.6	0.4	0.3	0.1	0.1		0.0
40	0.0	0.0	0.1	0.3	0.6	1.2	1.9	2.4	2.4	1.9	1.2	0.6	0.3	0.1	0.0	0.0
30		0.1	0.2	0.6	1.5	3.2	5.3	6.8	6.8	5.3	3.2	1.5	0.6	0.2	0.1	
20	0.0	0.1	0.3	1.0	2.9	6.5	10.7	13.2	13.2	10.7	6.5	2.9	1.0	0.3	0.1	0.0
10		0.1	0.4	1.4	4.5	10.1	15.4	18.9	18.9	15.4	10.1	4.5	1.4	0.4	0.1	
0	0.0	0.1	0.4	1.8	5.7	12.1	18.4	22.3	22.3	18.4	12.1	5.7	1.8	0.4	0.1	0.0
-10		0.1	0.4	1.8	5.7	12.1	18.4	22.3	22.3	18.4	12.1	5.7	1.8	0.4	0.1	
-20	0.0	0.1	0.4	1.4	4.5	10.1	15.4	18.9	18.9	15.4	10.1	4.5	1.4	0.4	0.1	0.0
-30		0.1	0.3	1.0	2.9	6.5	10.7	13.2	13.2	10.7	6.5	2.9	1.0	0.3	0.1	
-40	0.0	0.1	0.2	0.6	1.5	3.2	5.3	6.8	6.8	5.3	3.2	1.5	0.6	0.2	0.1	0.0
-50		0.0	0.1	0.3	0.6	1.2	1.9	2.4	2.4	1.9	1.2	0.6	0.3	0.1	0.0	
-60	0.0	0.0	0.1	0.1	0.3	0.4	0.6	0.7	0.7	0.6	0.4	0.3	0.1	0.1	0.0	0.0
-70		0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	
-80																
-90	0.0	0.0		0.1	0.2		0.2		0.2		0.1	0.0		0.0		

REPORT NUMBER: P220397 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-W-WT-L1-UNV

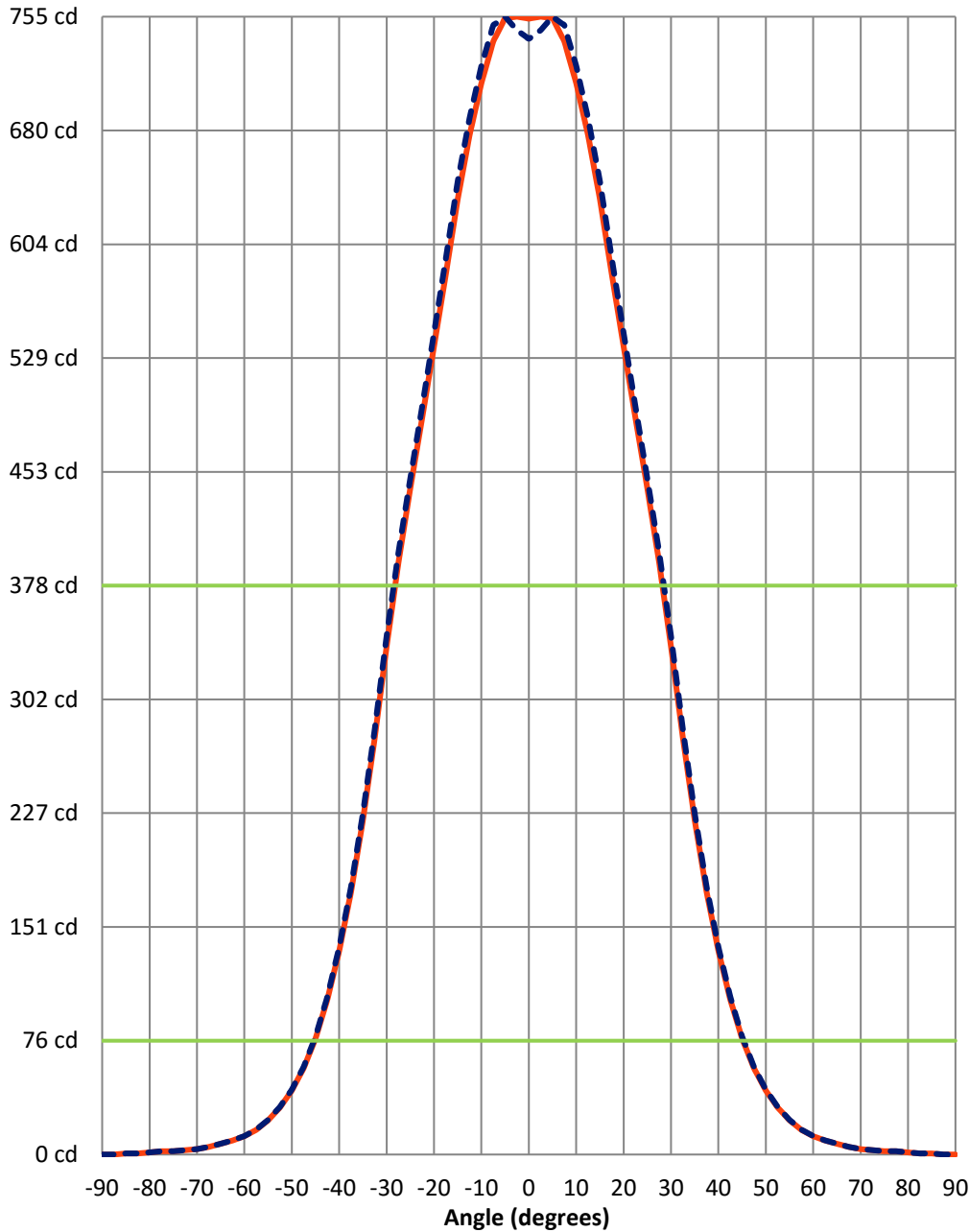
### Luminous Intensity Polar Plot



— Vertical Distribution Through -5-Deg      - - - Horizontal Distribution Through -2.5-Deg

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### Luminous Intensity Plot



**Beam:**  
H Angle: 57°  
V Angle: 56.4°  
Lumens: 428.7  
Efficiency: 61.6%

**Field:**  
H Angle: 90.7°  
V Angle: 90.4°  
Lumens: 641.8  
Efficiency: 92.2%

**Spill:**  
Lumens: 54.3  
Efficiency: 7.8%

- Vertical Distribution through -5-Deg
- - Horizontal Distribution through -2.5-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	1	1
75°	0	0	0	0	0	0	0	1	1	1	1
72.5°	0	0	0	0	0	0	1	1	1	1	1
70°	0	0	0	0	0	0	1	1	1	1	1
67.5°	0	0	0	0	0	1	1	1	1	1	1
65°	0	0	0	0	0	1	1	1	1	1	1
62.5°	0	0	0	0	1	1	1	1	1	1	2
60°	0	0	0	0	1	1	1	1	1	2	2
57.5°	0	0	0	0	1	1	1	1	2	2	2
55°	0	0	0	1	1	1	1	1	2	2	2
52.5°	0	0	0	1	1	1	1	2	2	2	2
50°	0	0	0	1	1	1	1	2	2	2	2
47.5°	0	0	0	1	1	1	1	2	2	2	3
45°	0	0	0	1	1	1	2	2	2	2	3
42.5°	0	0	0	1	1	1	2	2	2	3	3
40°	0	0	0	1	1	1	2	2	2	3	3
37.5°	0	0	0	1	1	1	2	2	2	3	3
35°	0	0	0	1	1	1	2	2	3	3	4
32.5°	0	0	0	1	1	2	2	2	3	3	4
30°	0	0	1	1	1	2	2	2	3	3	4
27.5°	0	0	1	1	1	2	2	2	3	4	5
25°	0	0	1	1	1	2	2	2	3	4	5
22.5°	0	0	1	1	1	2	2	3	3	4	6
20°	0	0	1	1	1	2	2	3	3	4	6
17.5°	0	0	1	1	1	2	2	3	3	4	6
15°	0	0	1	1	1	2	2	3	3	5	6
12.5°	0	0	1	1	1	2	2	3	3	5	7
10°	0	0	1	1	1	2	2	3	4	5	7
7.5°	0	0	1	1	1	2	2	3	4	5	7
5°	0	0	1	1	1	2	2	3	4	5	7
2.5°	0	0	1	1	1	2	2	3	4	5	7
0°	0	0	1	1	1	2	2	3	4	5	7
-2.5°	0	0	1	1	1	2	2	3	4	5	7
-5°	0	0	1	1	1	2	2	3	4	5	7
-7.5°	0	0	1	1	1	2	2	3	4	5	7
-10°	0	0	1	1	1	2	2	3	4	5	7
-12.5°	0	0	1	1	1	2	2	3	3	5	7
-15°	0	0	1	1	1	2	2	3	3	5	6
-17.5°	0	0	1	1	1	2	2	3	3	4	6
-20°	0	0	1	1	1	2	2	3	3	4	6



REPORT NUMBER: P220397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-W-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	1	1	1	2	2	3	3	4	6
-25°	0	0	1	1	1	2	2	2	3	4	5
-27.5°	0	0	1	1	1	2	2	2	3	4	5
-30°	0	0	1	1	1	2	2	2	3	3	4
-32.5°	0	0	0	1	1	2	2	2	3	3	4
-35°	0	0	0	1	1	1	2	2	3	3	4
-37.5°	0	0	0	1	1	1	2	2	2	3	3
-40°	0	0	0	1	1	1	2	2	2	3	3
-42.5°	0	0	0	1	1	1	2	2	2	3	3
-45°	0	0	0	1	1	1	2	2	2	2	3
-47.5°	0	0	0	1	1	1	1	2	2	2	3
-50°	0	0	0	1	1	1	1	2	2	2	2
-52.5°	0	0	0	1	1	1	1	2	2	2	2
-55°	0	0	0	1	1	1	1	1	2	2	2
-57.5°	0	0	0	0	1	1	1	1	2	2	2
-60°	0	0	0	0	1	1	1	1	1	2	2
-62.5°	0	0	0	0	1	1	1	1	1	1	2
-65°	0	0	0	0	0	1	1	1	1	1	1
-67.5°	0	0	0	0	0	1	1	1	1	1	1
-70°	0	0	0	0	0	0	1	1	1	1	1
-72.5°	0	0	0	0	0	0	1	1	1	1	1
-75°	0	0	0	0	0	0	0	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: P220397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-W-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	1	1	1	1	1	1	1	1
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	2	2	2	2
72.5°	1	1	1	1	2	2	2	2	2	2	2
70°	1	1	2	2	2	2	2	2	2	2	2
67.5°	1	2	2	2	2	2	2	2	3	3	3
65°	2	2	2	2	2	2	3	3	3	3	3
62.5°	2	2	2	2	3	3	3	3	4	4	4
60°	2	2	2	3	3	3	4	4	5	5	6
57.5°	2	2	3	3	3	4	4	5	6	7	7
55°	2	3	3	3	4	5	5	6	7	8	9
52.5°	3	3	3	4	5	6	7	8	9	10	11
50°	3	3	4	5	6	7	8	9	10	12	13
47.5°	3	4	4	5	7	8	9	11	12	14	16
45°	3	4	5	6	8	9	11	12	15	17	21
42.5°	4	5	6	7	9	10	12	15	18	22	26
40°	4	5	7	8	10	12	14	17	22	26	32
37.5°	4	6	7	9	11	13	16	21	26	32	39
35°	5	7	8	10	12	15	19	24	31	38	47
32.5°	5	7	9	11	14	17	22	29	36	45	55
30°	6	8	10	12	15	20	26	33	42	53	66
27.5°	7	8	11	13	17	22	29	38	48	61	76
25°	7	9	11	15	19	25	33	43	55	70	89
22.5°	7	9	12	16	21	28	37	48	62	79	102
20°	8	10	13	17	23	31	41	53	69	90	115
17.5°	8	11	14	18	25	33	44	58	76	99	128
15°	9	11	14	20	27	36	48	63	83	108	139
12.5°	9	11	15	21	28	38	51	68	90	117	151
10°	9	12	16	22	29	40	54	72	95	125	161
7.5°	9	12	16	22	30	41	56	75	100	131	169
5°	9	12	16	23	31	42	57	77	103	135	174
2.5°	9	12	17	23	32	43	58	78	105	138	178
0°	9	12	17	23	32	43	59	79	105	139	179
-2.5°	9	12	17	23	32	43	59	79	105	139	179
-5°	9	12	16	23	31	42	57	77	103	135	174
-7.5°	9	12	16	22	30	41	56	75	100	131	169
-10°	9	12	16	22	29	40	54	72	95	125	161
-12.5°	9	11	15	21	28	38	51	68	90	117	151
-15°	9	11	14	20	27	36	48	63	83	108	139
-17.5°	8	11	14	18	25	33	44	58	76	99	128
-20°	8	10	13	17	23	31	41	53	69	90	115



REPORT NUMBER: P220397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-W-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°	7	9	12	16	21	28	37	48	62	79	102
-25°	7	9	11	15	19	25	33	43	55	70	89
-27.5°	7	8	11	13	17	22	29	38	48	61	76
-30°	6	8	10	12	15	20	26	33	42	53	66
-32.5°	5	7	9	11	14	17	22	29	36	45	55
-35°	5	7	8	10	12	15	19	24	31	38	47
-37.5°	4	6	7	9	11	13	16	21	26	32	39
-40°	4	5	7	8	10	12	14	17	22	26	32
-42.5°	4	5	6	7	9	10	12	15	18	22	26
-45°	3	4	5	6	8	9	11	12	15	17	21
-47.5°	3	4	4	5	7	8	9	11	12	14	16
-50°	3	3	4	5	6	7	8	9	10	12	13
-52.5°	3	3	3	4	5	6	7	8	9	10	11
-55°	2	3	3	3	4	5	5	6	7	8	9
-57.5°	2	2	3	3	3	4	4	5	6	7	7
-60°	2	2	2	3	3	3	4	4	5	5	6
-62.5°	2	2	2	2	3	3	3	3	4	4	4
-65°	2	2	2	2	2	2	3	3	3	3	3
-67.5°	1	2	2	2	2	2	2	2	3	3	3
-70°	1	1	2	2	2	2	2	2	2	2	2
-72.5°	1	1	1	1	2	2	2	2	2	2	2
-75°	1	1	1	1	1	1	1	2	2	2	2
-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	1	1	1	1	1	1	1	1
-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: P220397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-W-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	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	2	2	2	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	2	2	2	2	2	3	3	3	3	3	3
70°	3	3	3	3	3	3	3	3	3	3	4
67.5°	3	3	3	4	4	4	4	4	5	5	5
65°	4	4	4	5	5	6	6	6	6	7	7
62.5°	5	5	6	7	7	7	8	8	9	9	9
60°	7	7	8	8	9	9	10	11	11	11	12
57.5°	8	9	10	11	11	12	13	14	14	15	16
55°	10	11	12	13	15	16	17	18	20	21	22
52.5°	12	14	15	17	19	21	23	25	27	28	29
50°	15	17	20	22	25	28	31	33	36	38	40
47.5°	19	22	26	29	33	37	41	44	48	51	54
45°	24	29	33	38	43	48	53	58	63	68	72
42.5°	31	36	42	48	55	62	69	76	83	90	95
40°	38	45	53	61	70	79	90	99	108	117	125
37.5°	47	55	66	76	89	102	115	128	139	151	161
35°	56	68	81	96	111	128	144	161	176	191	204
32.5°	68	82	99	118	137	158	178	200	219	238	254
30°	81	99	120	142	166	192	218	243	268	290	310
27.5°	96	118	142	169	199	229	261	291	321	346	366
25°	111	137	166	199	233	270	306	342	371	396	417
22.5°	128	158	192	229	270	312	352	386	416	440	460
20°	144	178	218	261	306	352	391	426	454	481	504
17.5°	161	200	243	291	342	386	426	459	491	521	547
15°	176	219	268	321	371	416	454	491	526	559	589
12.5°	191	238	290	346	396	440	481	521	559	596	631
10°	204	254	310	366	417	460	504	547	589	631	666
7.5°	214	267	326	382	432	477	522	568	615	658	692
5°	222	277	337	393	442	489	536	584	634	677	711
2.5°	226	282	344	400	449	496	545	595	646	688	723
0°	228	284	346	402	451	499	548	599	650	692	727
-2.5°	226	282	344	400	449	496	545	595	646	688	723
-5°	222	277	337	393	442	489	536	584	634	677	711
-7.5°	214	267	326	382	432	477	522	568	615	658	692
-10°	204	254	310	366	417	460	504	547	589	631	666
-12.5°	191	238	290	346	396	440	481	521	559	596	631
-15°	176	219	268	321	371	416	454	491	526	559	589
-17.5°	161	200	243	291	342	386	426	459	491	521	547
-20°	144	178	218	261	306	352	391	426	454	481	504



REPORT NUMBER: P220397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	128	158	192	229	270	312	352	386	416	440	460
-25°	111	137	166	199	233	270	306	342	371	396	417
-27.5°	96	118	142	169	199	229	261	291	321	346	366
-30°	81	99	120	142	166	192	218	243	268	290	310
-32.5°	68	82	99	118	137	158	178	200	219	238	254
-35°	56	68	81	96	111	128	144	161	176	191	204
-37.5°	47	55	66	76	89	102	115	128	139	151	161
-40°	38	45	53	61	70	79	90	99	108	117	125
-42.5°	31	36	42	48	55	62	69	76	83	90	95
-45°	24	29	33	38	43	48	53	58	63	68	72
-47.5°	19	22	26	29	33	37	41	44	48	51	54
-50°	15	17	20	22	25	28	31	33	36	38	40
-52.5°	12	14	15	17	19	21	23	25	27	28	29
-55°	10	11	12	13	15	16	17	18	20	21	22
-57.5°	8	9	10	11	11	12	13	14	14	15	16
-60°	7	7	8	8	9	9	10	11	11	11	12
-62.5°	5	5	6	7	7	7	8	8	9	9	9
-65°	4	4	4	5	5	6	6	6	6	7	7
-67.5°	3	3	3	4	4	4	4	4	5	5	5
-70°	3	3	3	3	3	3	3	3	3	3	4
-72.5°	2	2	2	2	2	3	3	3	3	3	3
-75°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	1	2	2	2	2	2	2	2	2	2	2
-80°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-85°	0	0	1	1	1	1	1	1	1	1	1
-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: P220397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-W-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°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
77.5°	2	2	2	2	2	2	2	2	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	3	3	3	3	3	3	3	3	3	3	3
70°	4	4	4	4	4	4	4	4	3	3	3
67.5°	5	5	5	5	5	5	5	5	5	5	4
65°	7	7	7	7	7	7	7	7	7	6	6
62.5°	9	9	9	9	9	9	9	9	9	9	8
60°	12	12	12	12	12	12	12	12	11	11	11
57.5°	16	16	17	17	17	16	16	16	15	14	14
55°	22	23	23	23	23	23	22	22	21	20	18
52.5°	30	31	32	32	32	31	30	29	28	27	25
50°	41	42	43	43	43	42	41	40	38	36	33
47.5°	56	57	58	59	58	57	56	54	51	48	44
45°	75	77	78	79	78	77	75	72	68	63	58
42.5°	100	103	105	105	105	103	100	95	90	83	76
40°	131	135	138	139	138	135	131	125	117	108	99
37.5°	169	174	178	179	178	174	169	161	151	139	128
35°	214	222	226	228	226	222	214	204	191	176	161
32.5°	267	277	282	284	282	277	267	254	238	219	200
30°	326	337	344	346	344	337	326	310	290	268	243
27.5°	382	393	400	402	400	393	382	366	346	321	291
25°	432	442	449	451	449	442	432	417	396	371	342
22.5°	477	489	496	499	496	489	477	460	440	416	386
20°	522	536	545	548	545	536	522	504	481	454	426
17.5°	568	584	595	599	595	584	568	547	521	491	459
15°	615	634	646	650	646	634	615	589	559	526	491
12.5°	658	677	688	692	688	677	658	631	596	559	521
10°	692	711	723	727	723	711	692	666	631	589	547
7.5°	719	739	750	752	750	739	719	692	658	615	568
5°	739	754	755	754	755	754	739	711	677	634	584
2.5°	750	755	746	741	746	755	750	723	688	646	595
0°	752	754	741	740	741	754	752	727	692	650	599
-2.5°	750	755	746	741	746	755	750	723	688	646	595
-5°	739	754	755	754	755	754	739	711	677	634	584
-7.5°	719	739	750	752	750	739	719	692	658	615	568
-10°	692	711	723	727	723	711	692	666	631	589	547
-12.5°	658	677	688	692	688	677	658	631	596	559	521
-15°	615	634	646	650	646	634	615	589	559	526	491
-17.5°	568	584	595	599	595	584	568	547	521	491	459
-20°	522	536	545	548	545	536	522	504	481	454	426



REPORT NUMBER: P220397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-W-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°	477	489	496	499	496	489	477	460	440	416	386
-25°	432	442	449	451	449	442	432	417	396	371	342
-27.5°	382	393	400	402	400	393	382	366	346	321	291
-30°	326	337	344	346	344	337	326	310	290	268	243
-32.5°	267	277	282	284	282	277	267	254	238	219	200
-35°	214	222	226	228	226	222	214	204	191	176	161
-37.5°	169	174	178	179	178	174	169	161	151	139	128
-40°	131	135	138	139	138	135	131	125	117	108	99
-42.5°	100	103	105	105	105	103	100	95	90	83	76
-45°	75	77	78	79	78	77	75	72	68	63	58
-47.5°	56	57	58	59	58	57	56	54	51	48	44
-50°	41	42	43	43	43	42	41	40	38	36	33
-52.5°	30	31	32	32	32	31	30	29	28	27	25
-55°	22	23	23	23	23	23	22	22	21	20	18
-57.5°	16	16	17	17	17	16	16	16	15	14	14
-60°	12	12	12	12	12	12	12	12	11	11	11
-62.5°	9	9	9	9	9	9	9	9	9	9	8
-65°	7	7	7	7	7	7	7	7	7	6	6
-67.5°	5	5	5	5	5	5	5	5	5	5	4
-70°	4	4	4	4	4	4	4	4	3	3	3
-72.5°	3	3	3	3	3	3	3	3	3	3	3
-75°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	2	2	2	2	2	2
-80°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-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: P220397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-W-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°	1	1	1	1	1	0	0	0	0	0	0
82.5°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
77.5°	2	2	2	2	2	2	1	1	1	1	1
75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	3	3	2	2	2	2	2	2	2	2	2
70°	3	3	3	3	3	3	3	2	2	2	2
67.5°	4	4	4	4	3	3	3	3	3	3	2
65°	6	6	5	5	4	4	4	3	3	3	3
62.5°	8	7	7	7	6	5	5	4	4	4	3
60°	10	9	9	8	8	7	7	6	5	5	4
57.5°	13	12	11	11	10	9	8	7	7	6	5
55°	17	16	15	13	12	11	10	9	8	7	6
52.5°	23	21	19	17	15	14	12	11	10	9	8
50°	31	28	25	22	20	17	15	13	12	10	9
47.5°	41	37	33	29	26	22	19	16	14	12	11
45°	53	48	43	38	33	29	24	21	17	15	12
42.5°	69	62	55	48	42	36	31	26	22	18	15
40°	90	79	70	61	53	45	38	32	26	22	17
37.5°	115	102	89	76	66	55	47	39	32	26	21
35°	144	128	111	96	81	68	56	47	38	31	24
32.5°	178	158	137	118	99	82	68	55	45	36	29
30°	218	192	166	142	120	99	81	66	53	42	33
27.5°	261	229	199	169	142	118	96	76	61	48	38
25°	306	270	233	199	166	137	111	89	70	55	43
22.5°	352	312	270	229	192	158	128	102	79	62	48
20°	391	352	306	261	218	178	144	115	90	69	53
17.5°	426	386	342	291	243	200	161	128	99	76	58
15°	454	416	371	321	268	219	176	139	108	83	63
12.5°	481	440	396	346	290	238	191	151	117	90	68
10°	504	460	417	366	310	254	204	161	125	95	72
7.5°	522	477	432	382	326	267	214	169	131	100	75
5°	536	489	442	393	337	277	222	174	135	103	77
2.5°	545	496	449	400	344	282	226	178	138	105	78
0°	548	499	451	402	346	284	228	179	139	105	79
-2.5°	545	496	449	400	344	282	226	178	138	105	78
-5°	536	489	442	393	337	277	222	174	135	103	77
-7.5°	522	477	432	382	326	267	214	169	131	100	75
-10°	504	460	417	366	310	254	204	161	125	95	72
-12.5°	481	440	396	346	290	238	191	151	117	90	68
-15°	454	416	371	321	268	219	176	139	108	83	63
-17.5°	426	386	342	291	243	200	161	128	99	76	58
-20°	391	352	306	261	218	178	144	115	90	69	53



REPORT NUMBER: P220397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	352	312	270	229	192	158	128	102	79	62	48
-25°	306	270	233	199	166	137	111	89	70	55	43
-27.5°	261	229	199	169	142	118	96	76	61	48	38
-30°	218	192	166	142	120	99	81	66	53	42	33
-32.5°	178	158	137	118	99	82	68	55	45	36	29
-35°	144	128	111	96	81	68	56	47	38	31	24
-37.5°	115	102	89	76	66	55	47	39	32	26	21
-40°	90	79	70	61	53	45	38	32	26	22	17
-42.5°	69	62	55	48	42	36	31	26	22	18	15
-45°	53	48	43	38	33	29	24	21	17	15	12
-47.5°	41	37	33	29	26	22	19	16	14	12	11
-50°	31	28	25	22	20	17	15	13	12	10	9
-52.5°	23	21	19	17	15	14	12	11	10	9	8
-55°	17	16	15	13	12	11	10	9	8	7	6
-57.5°	13	12	11	11	10	9	8	7	7	6	5
-60°	10	9	9	8	8	7	7	6	5	5	4
-62.5°	8	7	7	7	6	5	5	4	4	4	3
-65°	6	6	5	5	4	4	4	3	3	3	3
-67.5°	4	4	4	4	3	3	3	3	3	3	2
-70°	3	3	3	3	3	3	3	2	2	2	2
-72.5°	3	3	2	2	2	2	2	2	2	2	2
-75°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	2	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	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: P220397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-W-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°	1	1	1	1	0	0	0	0	0	0	0
80°	1	1	1	1	1	1	1	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	1	1	1	1	1	1	1	1
70°	2	2	2	2	2	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	1	1	1	1	1
65°	3	2	2	2	2	2	2	1	1	1	1
62.5°	3	3	3	2	2	2	2	2	1	1	1
60°	4	3	3	3	2	2	2	2	2	1	1
57.5°	4	4	3	3	3	2	2	2	2	2	1
55°	5	5	4	3	3	3	2	2	2	2	1
52.5°	7	6	5	4	3	3	3	2	2	2	2
50°	8	7	6	5	4	3	3	2	2	2	2
47.5°	9	8	7	5	4	4	3	3	2	2	2
45°	11	9	8	6	5	4	3	3	2	2	2
42.5°	12	10	9	7	6	5	4	3	3	2	2
40°	14	12	10	8	7	5	4	3	3	2	2
37.5°	16	13	11	9	7	6	4	3	3	2	2
35°	19	15	12	10	8	7	5	4	3	3	2
32.5°	22	17	14	11	9	7	5	4	3	3	2
30°	26	20	15	12	10	8	6	4	3	3	2
27.5°	29	22	17	13	11	8	7	5	4	3	2
25°	33	25	19	15	11	9	7	5	4	3	2
22.5°	37	28	21	16	12	9	7	6	4	3	3
20°	41	31	23	17	13	10	8	6	4	3	3
17.5°	44	33	25	18	14	11	8	6	4	3	3
15°	48	36	27	20	14	11	9	6	5	3	3
12.5°	51	38	28	21	15	11	9	7	5	3	3
10°	54	40	29	22	16	12	9	7	5	4	3
7.5°	56	41	30	22	16	12	9	7	5	4	3
5°	57	42	31	23	16	12	9	7	5	4	3
2.5°	58	43	32	23	17	12	9	7	5	4	3
0°	59	43	32	23	17	12	9	7	5	4	3
-2.5°	58	43	32	23	17	12	9	7	5	4	3
-5°	57	42	31	23	16	12	9	7	5	4	3
-7.5°	56	41	30	22	16	12	9	7	5	4	3
-10°	54	40	29	22	16	12	9	7	5	4	3
-12.5°	51	38	28	21	15	11	9	7	5	3	3
-15°	48	36	27	20	14	11	9	6	5	3	3
-17.5°	44	33	25	18	14	11	8	6	4	3	3
-20°	41	31	23	17	13	10	8	6	4	3	3



REPORT NUMBER: P220397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-W-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°	37	28	21	16	12	9	7	6	4	3	3
-25°	33	25	19	15	11	9	7	5	4	3	2
-27.5°	29	22	17	13	11	8	7	5	4	3	2
-30°	26	20	15	12	10	8	6	4	3	3	2
-32.5°	22	17	14	11	9	7	5	4	3	3	2
-35°	19	15	12	10	8	7	5	4	3	3	2
-37.5°	16	13	11	9	7	6	4	3	3	2	2
-40°	14	12	10	8	7	5	4	3	3	2	2
-42.5°	12	10	9	7	6	5	4	3	3	2	2
-45°	11	9	8	6	5	4	3	3	2	2	2
-47.5°	9	8	7	5	4	4	3	3	2	2	2
-50°	8	7	6	5	4	3	3	2	2	2	2
-52.5°	7	6	5	4	3	3	3	2	2	2	2
-55°	5	5	4	3	3	3	2	2	2	2	1
-57.5°	4	4	3	3	3	2	2	2	2	2	1
-60°	4	3	3	3	2	2	2	2	2	1	1
-62.5°	3	3	3	2	2	2	2	2	1	1	1
-65°	3	2	2	2	2	2	2	1	1	1	1
-67.5°	2	2	2	2	2	2	1	1	1	1	1
-70°	2	2	2	2	2	1	1	1	1	1	1
-72.5°	2	2	2	1	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	1	1	1	1	1	1	0	0	0	0
-82.5°	1	1	1	1	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: P220397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-W-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°	1	0	0	0	0	0	0
70°	1	0	0	0	0	0	0
67.5°	1	1	0	0	0	0	0
65°	1	1	0	0	0	0	0
62.5°	1	1	1	0	0	0	0
60°	1	1	1	0	0	0	0
57.5°	1	1	1	0	0	0	0
55°	1	1	1	1	0	0	0
52.5°	1	1	1	1	0	0	0
50°	1	1	1	1	0	0	0
47.5°	1	1	1	1	0	0	0
45°	2	1	1	1	0	0	0
42.5°	2	1	1	1	0	0	0
40°	2	1	1	1	0	0	0
37.5°	2	1	1	1	0	0	0
35°	2	1	1	1	0	0	0
32.5°	2	2	1	1	0	0	0
30°	2	2	1	1	1	0	0
27.5°	2	2	1	1	1	0	0
25°	2	2	1	1	1	0	0
22.5°	2	2	1	1	1	0	0
20°	2	2	1	1	1	0	0
17.5°	2	2	1	1	1	0	0
15°	2	2	1	1	1	0	0
12.5°	2	2	1	1	1	0	0
10°	2	2	1	1	1	0	0
7.5°	2	2	1	1	1	0	0
5°	2	2	1	1	1	0	0
2.5°	2	2	1	1	1	0	0
0°	2	2	1	1	1	0	0
-2.5°	2	2	1	1	1	0	0
-5°	2	2	1	1	1	0	0
-7.5°	2	2	1	1	1	0	0
-10°	2	2	1	1	1	0	0
-12.5°	2	2	1	1	1	0	0
-15°	2	2	1	1	1	0	0
-17.5°	2	2	1	1	1	0	0
-20°	2	2	1	1	1	0	0



REPORT NUMBER: P220397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	2	2	1	1	1	0	0
-25°	2	2	1	1	1	0	0
-27.5°	2	2	1	1	1	0	0
-30°	2	2	1	1	1	0	0
-32.5°	2	2	1	1	0	0	0
-35°	2	1	1	1	0	0	0
-37.5°	2	1	1	1	0	0	0
-40°	2	1	1	1	0	0	0
-42.5°	2	1	1	1	0	0	0
-45°	2	1	1	1	0	0	0
-47.5°	1	1	1	1	0	0	0
-50°	1	1	1	1	0	0	0
-52.5°	1	1	1	1	0	0	0
-55°	1	1	1	1	0	0	0
-57.5°	1	1	1	0	0	0	0
-60°	1	1	1	0	0	0	0
-62.5°	1	1	1	0	0	0	0
-65°	1	1	0	0	0	0	0
-67.5°	1	1	0	0	0	0	0
-70°	1	0	0	0	0	0	0
-72.5°	1	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)