

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: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29419)
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-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
FLOOD OPTIC, WHITE 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:	745.9 lumens	Max Intensity:	1493.1 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x 0°V
Efficacy:	74.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.5°H x 39.3°V	Field Angle (10%):	65.2°H x 64.7°V
Beam Lumens:	448.7 lumens	Field Lumens:	675.5 lumens
Beam Efficiency:	60.2%	Field Efficiency:	90.6%

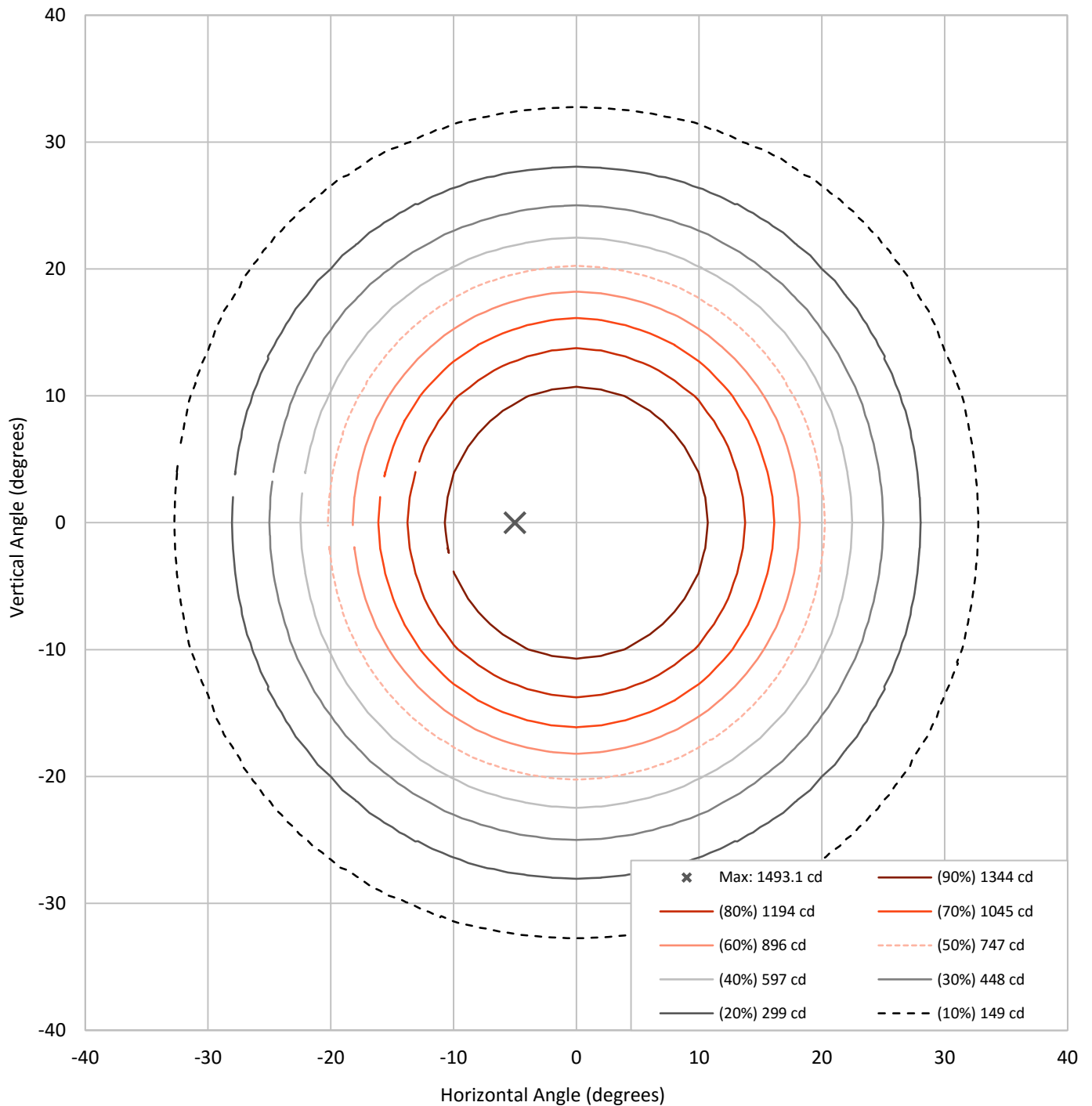
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

Iso-Candela Plot





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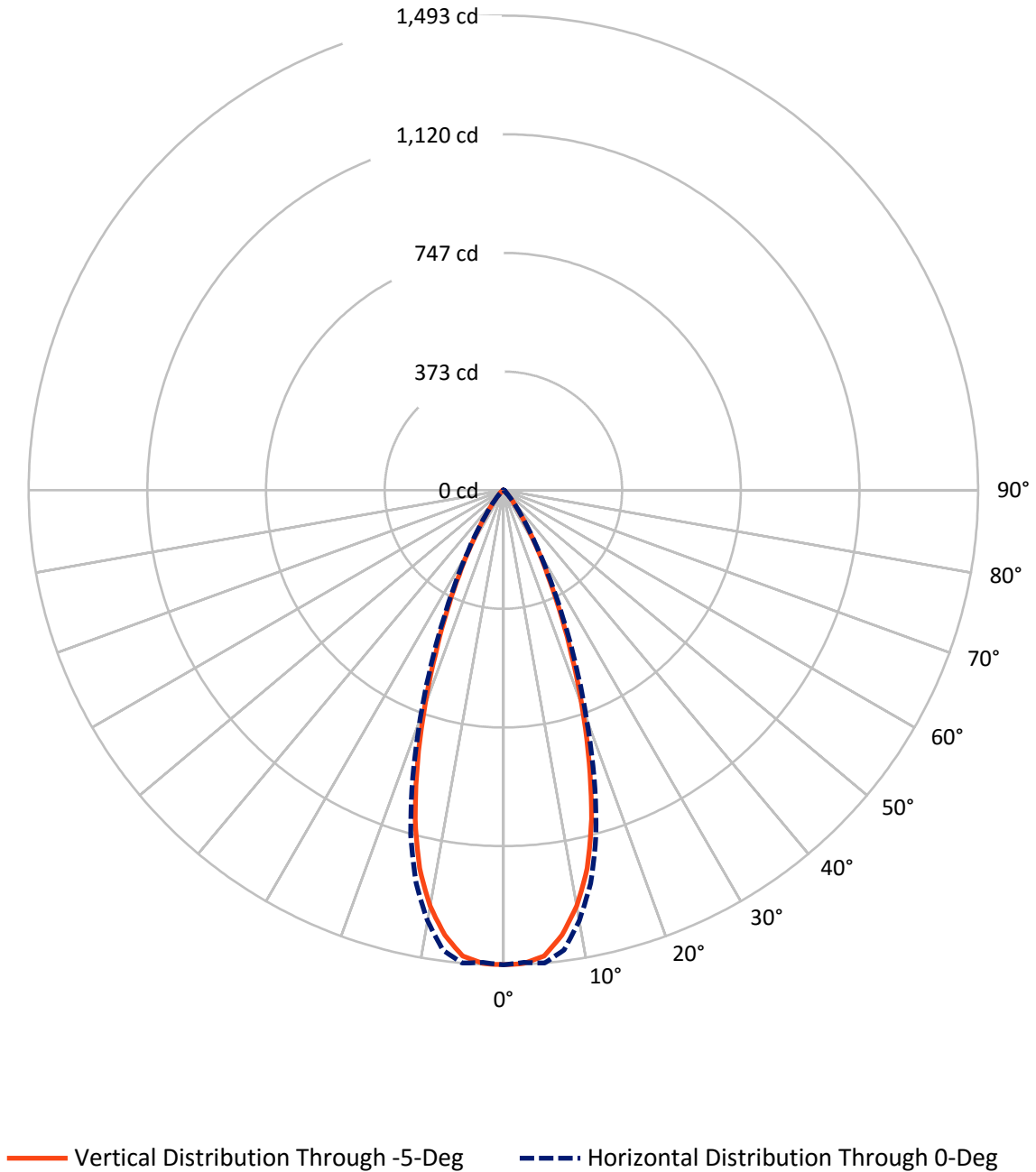
Lumen Table

90																			
80	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0							
70																			
60	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				0.0	
50																			
40	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.7	0.7	0.5	0.3	0.2	0.1	0.1	0.0			0.0	
30																			
20	0.0	0.0	0.1	0.2	0.9	3.2	8.1	13.0	13.0	8.1	3.2	0.9	0.2	0.1	0.0			0.0	
10																			
0	0.0	0.0	0.1	0.5	2.7	11.9	30.5	43.1	43.1	30.5	11.9	2.7	0.5	0.1	0.0			0.0	
-10																			
-20	0.0	0.0	0.1	0.4	1.9	7.7	20.1	31.4	31.4	20.1	7.7	1.9	0.4	0.1	0.0			0.0	
-30																			
-40	0.0	0.0	0.1	0.1	0.4	1.0	2.2	3.3	3.3	2.2	1.0	0.4	0.1	0.1	0.0			0.0	
-50																			
-60	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0			0.0	
-70																			
-80	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0				0.0	
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)

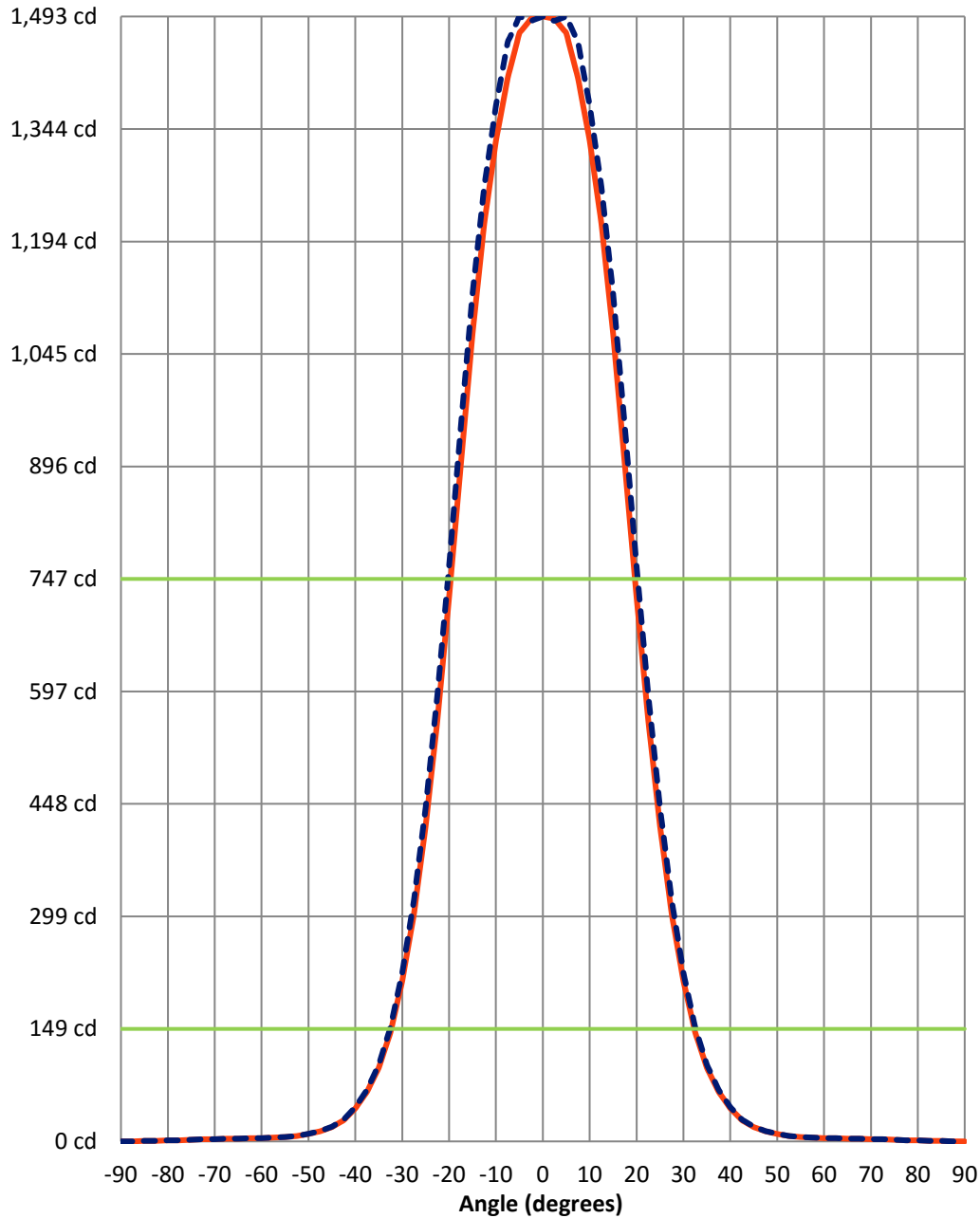
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-WT-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-WT-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 40.5°
 V Angle: 39.3°
 Lumens: 448.7
 Efficiency: 60.2%

Field:
 H Angle: 65.2°
 V Angle: 64.7°
 Lumens: 675.5
 Efficiency: 90.6%

Spill:
 Lumens: 70.4
 Efficiency: 9.4%

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



REPORT NUMBER: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-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	1	2	3	3	3	4
-25°	0	0	1	1	1	1	2	2	3	3	4
-27.5°	0	0	1	1	1	1	2	2	3	3	3
-30°	0	0	1	1	1	1	2	2	3	3	3
-32.5°	0	0	0	1	1	1	1	2	3	3	3
-35°	0	0	0	1	1	1	1	2	3	3	3
-37.5°	0	0	0	1	1	1	1	2	2	3	3
-40°	0	0	0	1	1	1	1	2	2	3	3
-42.5°	0	0	0	1	1	1	1	1	2	3	3
-45°	0	0	0	1	1	1	1	1	2	2	3
-47.5°	0	0	0	1	1	1	1	1	2	2	3
-50°	0	0	0	1	1	1	1	1	1	2	2
-52.5°	0	0	0	1	1	1	1	1	1	2	2
-55°	0	0	0	1	1	1	1	1	1	1	2
-57.5°	0	0	0	0	1	1	1	1	1	1	2
-60°	0	0	0	0	1	1	1	1	1	1	1
-62.5°	0	0	0	0	1	1	1	1	1	1	1
-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: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-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	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	2	2
70°	1	1	1	1	1	1	2	2	2	2	2
67.5°	1	1	1	1	2	2	2	2	3	3	3
65°	1	1	2	2	2	2	3	3	3	3	3
62.5°	1	2	2	2	3	3	3	3	3	3	3
60°	2	2	2	3	3	3	3	3	3	4	4
57.5°	2	2	3	3	3	3	3	4	4	4	4
55°	2	3	3	3	3	3	4	4	4	4	4
52.5°	3	3	3	3	3	4	4	4	4	4	4
50°	3	3	3	3	4	4	4	4	4	4	5
47.5°	3	3	3	4	4	4	4	4	4	5	5
45°	3	3	4	4	4	4	4	4	5	5	6
42.5°	3	3	4	4	4	4	4	5	5	6	6
40°	3	4	4	4	4	4	5	5	6	6	7
37.5°	3	4	4	4	4	5	5	6	6	7	9
35°	4	4	4	4	4	5	5	6	7	9	11
32.5°	4	4	4	4	5	5	6	7	8	10	13
30°	4	4	4	4	5	5	6	8	10	12	16
27.5°	4	4	4	4	5	6	7	9	11	14	19
25°	4	4	4	5	5	6	7	10	13	17	23
22.5°	4	4	4	5	6	7	9	11	15	20	28
20°	4	4	4	5	6	7	9	12	17	23	34
17.5°	4	4	5	5	6	8	10	14	19	27	40
15°	4	4	5	5	6	8	11	15	21	30	46
12.5°	4	4	5	6	7	9	12	16	23	35	53
10°	4	4	5	6	7	9	13	17	25	39	58
7.5°	4	4	5	6	7	10	13	18	27	42	63
5°	4	4	5	6	7	10	13	19	28	44	66
2.5°	4	4	5	6	7	10	14	19	29	45	68
0°	4	4	5	6	7	10	14	20	29	46	69
-2.5°	4	4	5	6	7	10	14	19	29	45	68
-5°	4	4	5	6	7	10	13	19	28	44	66
-7.5°	4	4	5	6	7	10	13	18	27	42	63
-10°	4	4	5	6	7	9	13	17	25	39	58
-12.5°	4	4	5	6	7	9	12	16	23	35	53
-15°	4	4	5	5	6	8	11	15	21	30	46
-17.5°	4	4	5	5	6	8	10	14	19	27	40
-20°	4	4	4	5	6	7	9	12	17	23	34



REPORT NUMBER: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-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°	4	4	4	5	6	7	9	11	15	20	28
-25°	4	4	4	5	5	6	7	10	13	17	23
-27.5°	4	4	4	4	5	6	7	9	11	14	19
-30°	4	4	4	4	5	5	6	8	10	12	16
-32.5°	4	4	4	4	5	5	6	7	8	10	13
-35°	4	4	4	4	4	5	5	6	7	9	11
-37.5°	3	4	4	4	4	5	5	6	6	7	9
-40°	3	4	4	4	4	4	5	5	6	6	7
-42.5°	3	3	4	4	4	4	4	5	5	6	6
-45°	3	3	4	4	4	4	4	4	5	5	6
-47.5°	3	3	3	4	4	4	4	4	4	5	5
-50°	3	3	3	3	4	4	4	4	4	4	5
-52.5°	3	3	3	3	3	4	4	4	4	4	4
-55°	2	3	3	3	3	3	4	4	4	4	4
-57.5°	2	2	3	3	3	3	3	4	4	4	4
-60°	2	2	2	3	3	3	3	3	3	4	4
-62.5°	1	2	2	2	3	3	3	3	3	3	3
-65°	1	1	2	2	2	2	3	3	3	3	3
-67.5°	1	1	1	1	2	2	2	2	3	3	3
-70°	1	1	1	1	1	1	2	2	2	2	2
-72.5°	1	1	1	1	1	1	1	1	1	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°	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: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-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	1	1	1	1	1	1	1	1	1	1
75°	1	1	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	3
67.5°	3	3	3	3	3	3	3	3	3	3	3
65°	3	3	3	3	4	4	4	4	4	4	4
62.5°	4	4	4	4	4	4	4	4	4	4	4
60°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	5	5	5	5
55°	4	4	4	4	5	5	5	5	5	6	6
52.5°	4	5	5	5	5	6	6	6	6	7	7
50°	5	5	5	6	6	7	7	8	8	9	9
47.5°	5	6	6	7	7	9	9	10	11	12	13
45°	6	7	8	9	10	11	12	14	15	16	17
42.5°	7	8	10	11	13	15	17	19	21	23	25
40°	9	10	12	14	17	20	23	27	30	35	39
37.5°	11	13	16	19	23	28	34	40	46	53	58
35°	13	16	20	26	32	40	49	58	67	77	86
32.5°	16	21	27	35	45	56	68	83	96	110	125
30°	20	27	36	47	61	77	95	115	137	158	181
27.5°	26	35	47	63	82	102	131	159	194	224	255
25°	32	45	61	82	106	139	177	218	263	308	351
22.5°	40	56	77	102	139	183	232	289	351	413	470
20°	49	68	95	131	177	232	298	374	454	533	607
17.5°	58	83	115	159	218	289	374	468	567	667	758
15°	67	96	137	194	263	351	454	567	687	806	913
12.5°	77	110	158	224	308	413	533	667	806	940	1061
10°	86	125	181	255	351	470	607	758	913	1061	1181
7.5°	93	136	199	281	389	520	673	839	1005	1153	1268
5°	98	145	213	302	419	559	722	898	1072	1218	1328
2.5°	101	150	221	315	437	584	753	935	1111	1255	1363
0°	102	152	224	320	443	592	764	948	1125	1267	1375
-2.5°	101	150	221	315	437	584	753	935	1111	1255	1363
-5°	98	145	213	302	419	559	722	898	1072	1218	1328
-7.5°	93	136	199	281	389	520	673	839	1005	1153	1268
-10°	86	125	181	255	351	470	607	758	913	1061	1181
-12.5°	77	110	158	224	308	413	533	667	806	940	1061
-15°	67	96	137	194	263	351	454	567	687	806	913
-17.5°	58	83	115	159	218	289	374	468	567	667	758
-20°	49	68	95	131	177	232	298	374	454	533	607



REPORT NUMBER: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	40	56	77	102	139	183	232	289	351	413	470
-25°	32	45	61	82	106	139	177	218	263	308	351
-27.5°	26	35	47	63	82	102	131	159	194	224	255
-30°	20	27	36	47	61	77	95	115	137	158	181
-32.5°	16	21	27	35	45	56	68	83	96	110	125
-35°	13	16	20	26	32	40	49	58	67	77	86
-37.5°	11	13	16	19	23	28	34	40	46	53	58
-40°	9	10	12	14	17	20	23	27	30	35	39
-42.5°	7	8	10	11	13	15	17	19	21	23	25
-45°	6	7	8	9	10	11	12	14	15	16	17
-47.5°	5	6	6	7	7	9	9	10	11	12	13
-50°	5	5	5	6	6	7	7	8	8	9	9
-52.5°	4	5	5	5	5	6	6	6	6	7	7
-55°	4	4	4	4	5	5	5	5	5	6	6
-57.5°	4	4	4	4	4	4	4	5	5	5	5
-60°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	4	4	4	4	4	4	4	4	4	4	4
-65°	3	3	3	3	4	4	4	4	4	4	4
-67.5°	3	3	3	3	3	3	3	3	3	3	3
-70°	3	3	3	3	3	3	3	3	3	3	3
-72.5°	2	2	2	2	2	3	3	3	3	3	3
-75°	1	1	2	2	2	2	2	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°	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: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-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°	1	1	1	1	1	1	1	1	1	1	1
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°	3	3	3	3	3	3	3	3	3	3	3
67.5°	4	4	4	4	4	4	4	3	3	3	3
65°	4	4	4	4	4	4	4	4	4	4	4
62.5°	4	4	4	4	4	4	4	4	4	4	4
60°	4	4	4	4	4	4	4	4	4	4	4
57.5°	5	5	5	5	5	5	5	5	5	5	5
55°	6	6	6	6	6	6	6	6	6	5	5
52.5°	7	7	7	7	7	7	7	7	7	6	6
50°	10	10	10	10	10	10	10	9	9	8	8
47.5°	13	13	14	14	14	13	13	13	12	11	10
45°	18	19	19	20	19	19	18	17	16	15	14
42.5°	27	28	29	29	29	28	27	25	23	21	19
40°	42	44	45	46	45	44	42	39	35	30	27
37.5°	63	66	68	69	68	66	63	58	53	46	40
35°	93	98	101	102	101	98	93	86	77	67	58
32.5°	136	145	150	152	150	145	136	125	110	96	83
30°	199	213	221	224	221	213	199	181	158	137	115
27.5°	281	302	315	320	315	302	281	255	224	194	159
25°	389	419	437	443	437	419	389	351	308	263	218
22.5°	520	559	584	592	584	559	520	470	413	351	289
20°	673	722	753	764	753	722	673	607	533	454	374
17.5°	839	898	935	948	935	898	839	758	667	567	468
15°	1005	1072	1111	1125	1111	1072	1005	913	806	687	567
12.5°	1153	1218	1255	1267	1255	1218	1153	1061	940	806	667
10°	1268	1328	1363	1375	1363	1328	1268	1181	1061	913	758
7.5°	1352	1411	1447	1459	1447	1411	1352	1268	1153	1005	839
5°	1411	1471	1490	1493	1490	1471	1411	1328	1218	1072	898
2.5°	1447	1490	1491	1487	1491	1490	1447	1363	1255	1111	935
0°	1459	1493	1487	1493	1487	1493	1459	1375	1267	1125	948
-2.5°	1447	1490	1491	1487	1491	1490	1447	1363	1255	1111	935
-5°	1411	1471	1490	1493	1490	1471	1411	1328	1218	1072	898
-7.5°	1352	1411	1447	1459	1447	1411	1352	1268	1153	1005	839
-10°	1268	1328	1363	1375	1363	1328	1268	1181	1061	913	758
-12.5°	1153	1218	1255	1267	1255	1218	1153	1061	940	806	667
-15°	1005	1072	1111	1125	1111	1072	1005	913	806	687	567
-17.5°	839	898	935	948	935	898	839	758	667	567	468
-20°	673	722	753	764	753	722	673	607	533	454	374



REPORT NUMBER: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-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°	520	559	584	592	584	559	520	470	413	351	289
-25°	389	419	437	443	437	419	389	351	308	263	218
-27.5°	281	302	315	320	315	302	281	255	224	194	159
-30°	199	213	221	224	221	213	199	181	158	137	115
-32.5°	136	145	150	152	150	145	136	125	110	96	83
-35°	93	98	101	102	101	98	93	86	77	67	58
-37.5°	63	66	68	69	68	66	63	58	53	46	40
-40°	42	44	45	46	45	44	42	39	35	30	27
-42.5°	27	28	29	29	29	28	27	25	23	21	19
-45°	18	19	19	20	19	19	18	17	16	15	14
-47.5°	13	13	14	14	14	13	13	13	12	11	10
-50°	10	10	10	10	10	10	10	9	9	8	8
-52.5°	7	7	7	7	7	7	7	7	7	6	6
-55°	6	6	6	6	6	6	6	6	6	5	5
-57.5°	5	5	5	5	5	5	5	5	5	5	5
-60°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	4	4	4	4	4	4	4	4	4	4	4
-65°	4	4	4	4	4	4	4	4	4	4	4
-67.5°	4	4	4	4	4	4	4	3	3	3	3
-70°	3	3	3	3	3	3	3	3	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°	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°	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: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-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°	1	1	1	1	1	1	1	1	1	1	1
75°	2	2	2	2	2	1	1	1	1	1	1
72.5°	3	3	2	2	2	2	2	2	2	1	1
70°	3	3	3	3	3	3	3	2	2	2	2
67.5°	3	3	3	3	3	3	3	3	3	3	2
65°	4	4	4	3	3	3	3	3	3	3	3
62.5°	4	4	4	4	4	4	4	3	3	3	3
60°	4	4	4	4	4	4	4	4	4	3	3
57.5°	4	4	4	4	4	4	4	4	4	4	4
55°	5	5	5	4	4	4	4	4	4	4	4
52.5°	6	6	5	5	5	5	4	4	4	4	4
50°	7	7	6	6	5	5	5	5	4	4	4
47.5°	9	9	7	7	6	6	5	5	5	4	4
45°	12	11	10	9	8	7	6	6	5	5	4
42.5°	17	15	13	11	10	8	7	6	6	5	5
40°	23	20	17	14	12	10	9	7	6	6	5
37.5°	34	28	23	19	16	13	11	9	7	6	6
35°	49	40	32	26	20	16	13	11	9	7	6
32.5°	68	56	45	35	27	21	16	13	10	8	7
30°	95	77	61	47	36	27	20	16	12	10	8
27.5°	131	102	82	63	47	35	26	19	14	11	9
25°	177	139	106	82	61	45	32	23	17	13	10
22.5°	232	183	139	102	77	56	40	28	20	15	11
20°	298	232	177	131	95	68	49	34	23	17	12
17.5°	374	289	218	159	115	83	58	40	27	19	14
15°	454	351	263	194	137	96	67	46	30	21	15
12.5°	533	413	308	224	158	110	77	53	35	23	16
10°	607	470	351	255	181	125	86	58	39	25	17
7.5°	673	520	389	281	199	136	93	63	42	27	18
5°	722	559	419	302	213	145	98	66	44	28	19
2.5°	753	584	437	315	221	150	101	68	45	29	19
0°	764	592	443	320	224	152	102	69	46	29	20
-2.5°	753	584	437	315	221	150	101	68	45	29	19
-5°	722	559	419	302	213	145	98	66	44	28	19
-7.5°	673	520	389	281	199	136	93	63	42	27	18
-10°	607	470	351	255	181	125	86	58	39	25	17
-12.5°	533	413	308	224	158	110	77	53	35	23	16
-15°	454	351	263	194	137	96	67	46	30	21	15
-17.5°	374	289	218	159	115	83	58	40	27	19	14
-20°	298	232	177	131	95	68	49	34	23	17	12



REPORT NUMBER: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	232	183	139	102	77	56	40	28	20	15	11
-25°	177	139	106	82	61	45	32	23	17	13	10
-27.5°	131	102	82	63	47	35	26	19	14	11	9
-30°	95	77	61	47	36	27	20	16	12	10	8
-32.5°	68	56	45	35	27	21	16	13	10	8	7
-35°	49	40	32	26	20	16	13	11	9	7	6
-37.5°	34	28	23	19	16	13	11	9	7	6	6
-40°	23	20	17	14	12	10	9	7	6	6	5
-42.5°	17	15	13	11	10	8	7	6	6	5	5
-45°	12	11	10	9	8	7	6	6	5	5	4
-47.5°	9	9	7	7	6	6	5	5	5	4	4
-50°	7	7	6	6	5	5	5	5	4	4	4
-52.5°	6	6	5	5	5	5	4	4	4	4	4
-55°	5	5	5	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	3	3
-62.5°	4	4	4	4	4	4	4	3	3	3	3
-65°	4	4	4	3	3	3	3	3	3	3	3
-67.5°	3	3	3	3	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	1	1
-75°	2	2	2	2	2	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°	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: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-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°	1	1	1	1	1	1	1	1	1	1	1
70°	2	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	1	1	1	1	1	1	1	1
65°	3	2	2	2	2	1	1	1	1	1	1
62.5°	3	3	3	2	2	2	1	1	1	1	1
60°	3	3	3	3	2	2	2	1	1	1	1
57.5°	3	3	3	3	3	2	2	2	1	1	1
55°	4	3	3	3	3	3	2	2	1	1	1
52.5°	4	4	3	3	3	3	3	2	2	1	1
50°	4	4	4	3	3	3	3	2	2	1	1
47.5°	4	4	4	4	3	3	3	3	2	2	1
45°	4	4	4	4	4	3	3	3	2	2	1
42.5°	4	4	4	4	4	3	3	3	3	2	1
40°	5	4	4	4	4	4	3	3	3	2	2
37.5°	5	5	4	4	4	4	3	3	3	2	2
35°	5	5	4	4	4	4	4	3	3	3	2
32.5°	6	5	5	4	4	4	4	3	3	3	2
30°	6	5	5	4	4	4	4	3	3	3	2
27.5°	7	6	5	4	4	4	4	3	3	3	2
25°	7	6	5	5	4	4	4	4	3	3	2
22.5°	9	7	6	5	4	4	4	4	3	3	3
20°	9	7	6	5	4	4	4	4	3	3	3
17.5°	10	8	6	5	5	4	4	4	3	3	3
15°	11	8	6	5	5	4	4	4	3	3	3
12.5°	12	9	7	6	5	4	4	4	3	3	3
10°	13	9	7	6	5	4	4	4	3	3	3
7.5°	13	10	7	6	5	4	4	4	4	3	3
5°	13	10	7	6	5	4	4	4	4	3	3
2.5°	14	10	7	6	5	4	4	4	4	3	3
0°	14	10	7	6	5	4	4	4	4	3	3
-2.5°	14	10	7	6	5	4	4	4	4	3	3
-5°	13	10	7	6	5	4	4	4	4	3	3
-7.5°	13	10	7	6	5	4	4	4	4	3	3
-10°	13	9	7	6	5	4	4	4	3	3	3
-12.5°	12	9	7	6	5	4	4	4	3	3	3
-15°	11	8	6	5	5	4	4	4	3	3	3
-17.5°	10	8	6	5	5	4	4	4	3	3	3
-20°	9	7	6	5	4	4	4	4	3	3	3



REPORT NUMBER: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-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°	9	7	6	5	4	4	4	4	3	3	3
-25°	7	6	5	5	4	4	4	4	3	3	2
-27.5°	7	6	5	4	4	4	4	3	3	3	2
-30°	6	5	5	4	4	4	4	3	3	3	2
-32.5°	6	5	5	4	4	4	4	3	3	3	2
-35°	5	5	4	4	4	4	4	3	3	3	2
-37.5°	5	5	4	4	4	4	3	3	3	2	2
-40°	5	4	4	4	4	4	3	3	3	2	2
-42.5°	4	4	4	4	4	3	3	3	3	2	1
-45°	4	4	4	4	4	3	3	3	2	2	1
-47.5°	4	4	4	4	3	3	3	3	2	2	1
-50°	4	4	4	3	3	3	3	2	2	1	1
-52.5°	4	4	3	3	3	3	3	2	2	1	1
-55°	4	3	3	3	3	3	2	2	1	1	1
-57.5°	3	3	3	3	3	2	2	2	1	1	1
-60°	3	3	3	3	2	2	2	1	1	1	1
-62.5°	3	3	3	2	2	2	1	1	1	1	1
-65°	3	2	2	2	2	1	1	1	1	1	1
-67.5°	2	2	2	1	1	1	1	1	1	1	1
-70°	2	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	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: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-F-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°	1	1	1	1	0	0	0
42.5°	1	1	1	1	0	0	0
40°	1	1	1	1	0	0	0
37.5°	1	1	1	1	0	0	0
35°	1	1	1	1	0	0	0
32.5°	1	1	1	1	0	0	0
30°	2	1	1	1	1	0	0
27.5°	2	1	1	1	1	0	0
25°	2	1	1	1	1	0	0
22.5°	2	1	1	1	1	0	0
20°	2	1	1	1	1	0	0
17.5°	2	1	1	1	1	0	0
15°	2	1	1	1	1	0	0
12.5°	2	1	1	1	1	0	0
10°	2	1	1	1	1	0	0
7.5°	2	1	1	1	1	0	0
5°	2	1	1	1	1	0	0
2.5°	2	1	1	1	1	0	0
0°	2	1	1	1	1	0	0
-2.5°	2	1	1	1	1	0	0
-5°	2	1	1	1	1	0	0
-7.5°	2	1	1	1	1	0	0
-10°	2	1	1	1	1	0	0
-12.5°	2	1	1	1	1	0	0
-15°	2	1	1	1	1	0	0
-17.5°	2	1	1	1	1	0	0
-20°	2	1	1	1	1	0	0



REPORT NUMBER: P220389 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	2	1	1	1	1	0	0
-25°	2	1	1	1	1	0	0
-27.5°	2	1	1	1	1	0	0
-30°	2	1	1	1	1	0	0
-32.5°	1	1	1	1	0	0	0
-35°	1	1	1	1	0	0	0
-37.5°	1	1	1	1	0	0	0
-40°	1	1	1	1	0	0	0
-42.5°	1	1	1	1	0	0	0
-45°	1	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)