

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: P220385 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220385 (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-LED2790-F-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
FLOOD OPTIC, WHITE 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:	782.9 lumens	Max Intensity:	1567.1 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x 0°V
Efficacy:	78.3 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:	470.9 lumens	Field Lumens:	709.1 lumens
Beam Efficiency:	60.1%	Field Efficiency:	90.6%

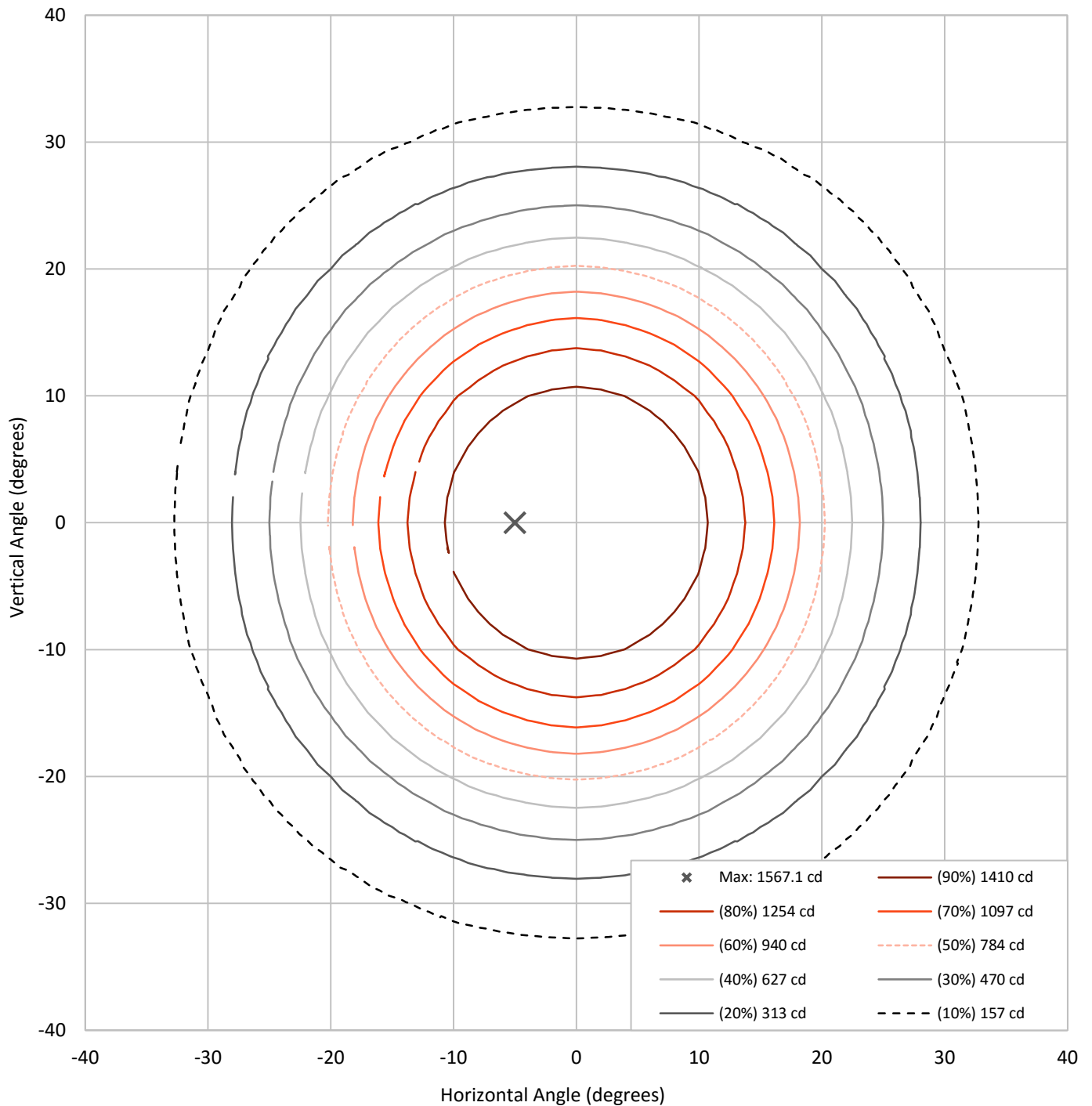
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P220385 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Iso-Candela Plot





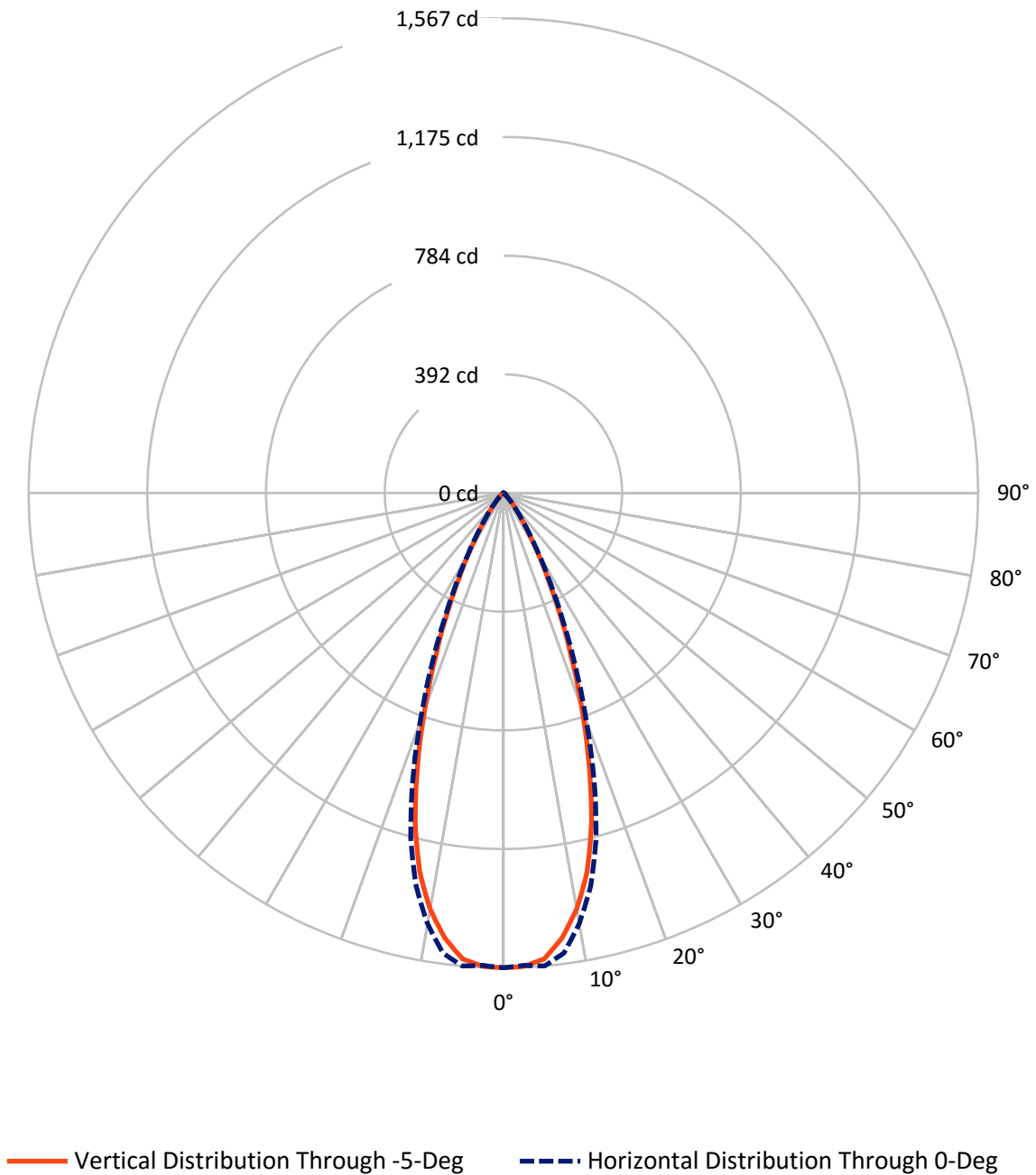
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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-WT-L1-UNV

Lumen Table

90																			
80	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0	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	3.4	8.5	13.6	13.6	8.5	3.4	0.9	0.2	0.1	0.0			0.0	
10																			
0	0.0	0.1	0.1	0.5	2.8	12.5	32.0	45.3	45.3	32.0	12.5	2.8	0.5	0.1	0.1			0.0	
-10																			
-20	0.0	0.0	0.1	0.4	1.9	8.0	21.1	32.9	32.9	21.1	8.0	1.9	0.4	0.1	0.0			0.0	
-30																			
-40	0.0	0.0	0.1	0.1	0.4	1.0	2.3	3.4	3.4	2.3	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

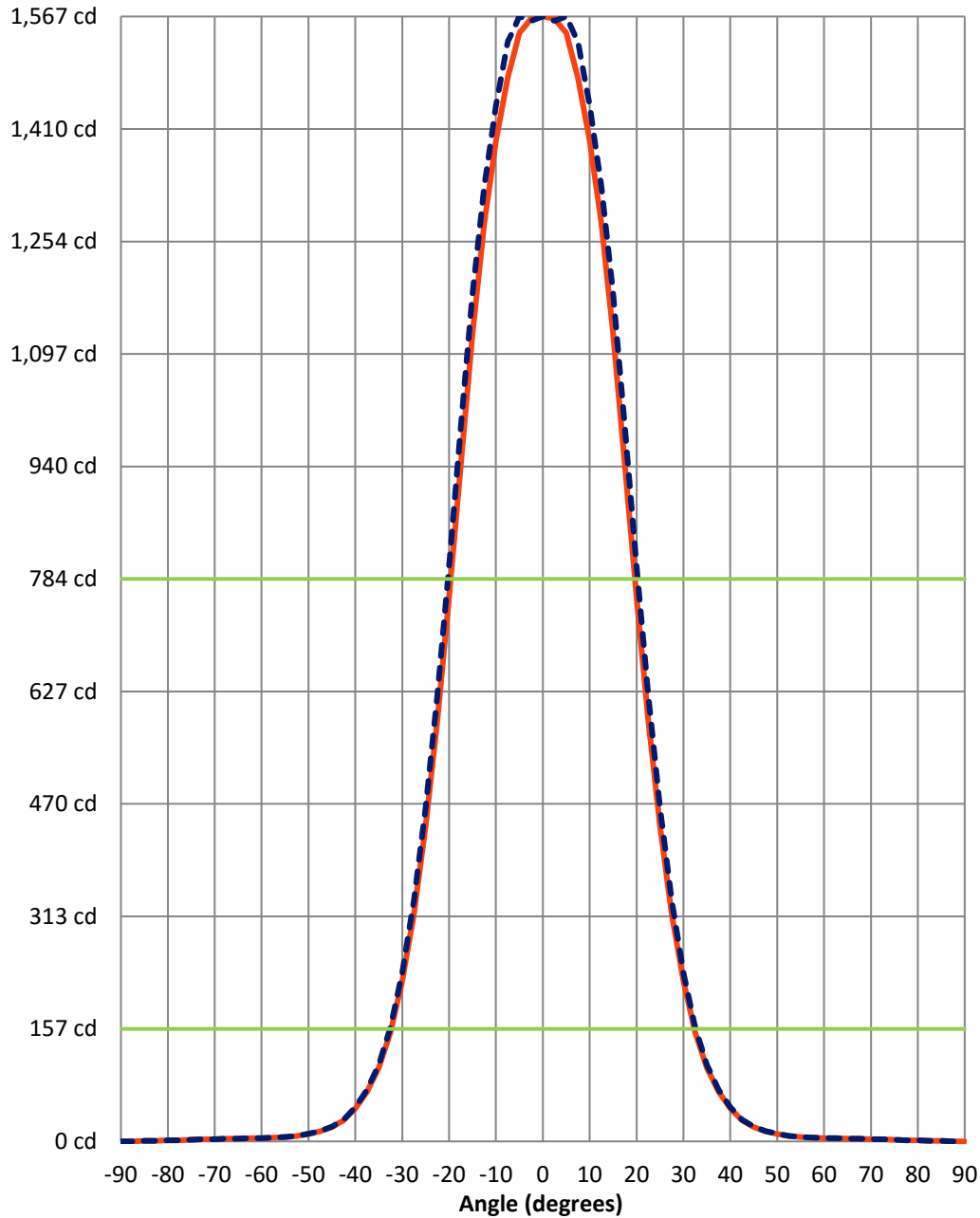
REPORT NUMBER: P220385 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-WT-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 40.5°
 V Angle: 39.3°
 Lumens: 470.9
 Efficiency: 60.1%

Field:
 H Angle: 65.2°
 V Angle: 64.7°
 Lumens: 709.1
 Efficiency: 90.6%

Spill:
 Lumens: 73.9
 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	1
77.5°	0	0	0	0	0	0	0	0	1	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	1	1	1	1	1	1
67.5°	0	0	0	0	0	1	1	1	1	1	1
65°	0	0	0	0	1	1	1	1	1	1	2
62.5°	0	0	0	0	1	1	1	1	1	2	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	3
47.5°	0	0	0	1	1	1	2	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	3	3	3
35°	0	0	1	1	1	2	2	2	3	3	3
32.5°	0	0	1	1	1	2	2	2	3	3	3
30°	0	0	1	1	1	2	2	2	3	3	3
27.5°	0	0	1	1	1	2	2	2	3	3	4
25°	0	0	1	1	1	2	2	3	3	3	4
22.5°	0	0	1	1	1	2	2	3	3	3	4
20°	0	0	1	1	1	2	2	3	3	3	4
17.5°	0	0	1	1	1	2	2	3	3	3	4
15°	0	0	1	1	1	2	2	3	3	4	4
12.5°	0	0	1	1	1	2	2	3	3	4	4
10°	0	0	1	1	1	2	2	3	3	4	4
7.5°	0	0	1	1	1	2	2	3	3	4	4
5°	0	0	1	1	1	2	2	3	3	4	4
2.5°	0	0	1	1	1	2	2	3	3	4	4
0°	0	0	1	1	2	2	2	3	3	4	4
-2.5°	0	0	1	1	1	2	2	3	3	4	4
-5°	0	0	1	1	1	2	2	3	3	4	4
-7.5°	0	0	1	1	1	2	2	3	3	4	4
-10°	0	0	1	1	1	2	2	3	3	4	4
-12.5°	0	0	1	1	1	2	2	3	3	4	4
-15°	0	0	1	1	1	2	2	3	3	4	4
-17.5°	0	0	1	1	1	2	2	3	3	3	4
-20°	0	0	1	1	1	2	2	3	3	3	4



REPORT NUMBER: P220385 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	2	2	3	3	3	4
-25°	0	0	1	1	1	2	2	3	3	3	4
-27.5°	0	0	1	1	1	2	2	2	3	3	4
-30°	0	0	1	1	1	2	2	2	3	3	3
-32.5°	0	0	1	1	1	2	2	2	3	3	3
-35°	0	0	1	1	1	2	2	2	3	3	3
-37.5°	0	0	0	1	1	1	2	2	3	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	2	2	2	2	3
-50°	0	0	0	1	1	1	1	2	2	2	3
-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	2	2
-65°	0	0	0	0	1	1	1	1	1	1	2
-67.5°	0	0	0	0	0	1	1	1	1	1	1
-70°	0	0	0	0	0	1	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	1	1	1
-80°	0	0	0	0	0	0	0	0	0	0	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: P220385 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	2	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	3
67.5°	2	2	2	2	2	2	2	2	3	3	3
65°	2	2	2	2	2	3	3	3	3	3	3
62.5°	2	2	2	2	3	3	3	3	3	3	3
60°	2	2	2	3	3	3	3	3	4	4	4
57.5°	2	2	3	3	3	3	3	4	4	4	4
55°	2	3	3	3	3	4	4	4	4	4	4
52.5°	3	3	3	3	4	4	4	4	4	5	5
50°	3	3	3	4	4	4	4	4	5	5	5
47.5°	3	3	3	4	4	4	4	5	5	5	5
45°	3	3	4	4	4	4	5	5	5	5	6
42.5°	3	4	4	4	4	5	5	5	5	6	7
40°	3	4	4	4	5	5	5	5	6	7	8
37.5°	3	4	4	4	5	5	5	6	7	8	9
35°	4	4	4	5	5	5	6	6	7	9	11
32.5°	4	4	4	5	5	5	6	7	9	11	14
30°	4	4	5	5	5	6	7	8	10	13	17
27.5°	4	4	5	5	5	6	7	9	12	15	20
25°	4	4	5	5	6	6	8	10	14	18	24
22.5°	4	5	5	5	6	7	9	12	15	21	29
20°	4	5	5	5	6	7	10	13	18	25	35
17.5°	4	5	5	6	6	8	11	14	20	28	42
15°	4	5	5	6	7	9	12	16	22	32	48
12.5°	4	5	5	6	7	9	13	17	25	37	55
10°	4	5	5	6	7	10	13	18	27	41	61
7.5°	4	5	5	6	7	10	14	19	28	44	66
5°	4	5	5	6	7	10	14	20	29	46	69
2.5°	4	5	5	6	8	11	14	20	30	47	71
0°	5	5	5	6	8	11	14	21	30	48	72
-2.5°	4	5	5	6	8	11	14	20	30	47	71
-5°	4	5	5	6	7	10	14	20	29	46	69
-7.5°	4	5	5	6	7	10	14	19	28	44	66
-10°	4	5	5	6	7	10	13	18	27	41	61
-12.5°	4	5	5	6	7	9	13	17	25	37	55
-15°	4	5	5	6	7	9	12	16	22	32	48
-17.5°	4	5	5	6	6	8	11	14	20	28	42
-20°	4	5	5	5	6	7	10	13	18	25	35



REPORT NUMBER: P220385 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	5	5	5	6	7	9	12	15	21	29
-25°	4	4	5	5	6	6	8	10	14	18	24
-27.5°	4	4	5	5	5	6	7	9	12	15	20
-30°	4	4	5	5	5	6	7	8	10	13	17
-32.5°	4	4	4	5	5	5	6	7	9	11	14
-35°	4	4	4	5	5	5	6	6	7	9	11
-37.5°	3	4	4	4	5	5	5	6	7	8	9
-40°	3	4	4	4	5	5	5	5	6	7	8
-42.5°	3	4	4	4	4	5	5	5	5	6	7
-45°	3	3	4	4	4	4	5	5	5	5	6
-47.5°	3	3	3	4	4	4	4	5	5	5	5
-50°	3	3	3	4	4	4	4	4	5	5	5
-52.5°	3	3	3	3	4	4	4	4	4	5	5
-55°	2	3	3	3	3	4	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	4	4	4
-62.5°	2	2	2	2	3	3	3	3	3	3	3
-65°	2	2	2	2	2	3	3	3	3	3	3
-67.5°	2	2	2	2	2	2	2	2	3	3	3
-70°	1	1	2	2	2	2	2	2	2	2	3
-72.5°	1	1	1	1	2	2	2	2	2	2	2
-75°	1	1	1	1	1	1	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°	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: P220385 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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°	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°	2	2	2	2	3	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	4	4	4
65°	3	3	3	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	5	5	5	5	5	5
57.5°	4	4	5	5	5	5	5	5	5	5	5
55°	5	5	5	5	5	5	5	6	6	6	6
52.5°	5	5	5	5	6	6	6	6	7	7	7
50°	5	5	6	6	6	7	7	8	9	9	10
47.5°	6	6	7	7	8	9	10	11	12	13	13
45°	6	7	8	9	10	12	13	14	16	17	18
42.5°	7	9	10	12	14	15	18	20	22	25	27
40°	9	11	13	15	18	21	25	28	32	37	41
37.5°	11	14	17	20	24	29	35	42	48	55	61
35°	14	17	21	27	33	42	51	61	70	80	90
32.5°	17	22	28	37	47	59	71	87	101	116	131
30°	21	28	38	50	64	81	99	121	144	166	190
27.5°	27	37	50	66	86	108	137	167	203	235	267
25°	33	47	64	86	111	146	186	229	276	323	369
22.5°	42	59	81	108	146	192	244	304	368	433	494
20°	51	71	99	137	186	244	313	393	476	559	638
17.5°	61	87	121	167	229	304	393	492	595	700	796
15°	70	101	144	203	276	368	476	595	721	846	959
12.5°	80	116	166	235	323	433	559	700	846	987	1113
10°	90	131	190	267	369	494	638	796	959	1113	1240
7.5°	97	143	209	295	408	546	706	881	1055	1211	1331
5°	102	152	223	317	439	586	758	942	1125	1279	1394
2.5°	106	157	232	331	459	613	790	982	1167	1317	1430
0°	107	159	235	336	465	622	801	995	1181	1330	1443
-2.5°	106	157	232	331	459	613	790	982	1167	1317	1430
-5°	102	152	223	317	439	586	758	942	1125	1279	1394
-7.5°	97	143	209	295	408	546	706	881	1055	1211	1331
-10°	90	131	190	267	369	494	638	796	959	1113	1240
-12.5°	80	116	166	235	323	433	559	700	846	987	1113
-15°	70	101	144	203	276	368	476	595	721	846	959
-17.5°	61	87	121	167	229	304	393	492	595	700	796
-20°	51	71	99	137	186	244	313	393	476	559	638



REPORT NUMBER: P220385 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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°	42	59	81	108	146	192	244	304	368	433	494
-25°	33	47	64	86	111	146	186	229	276	323	369
-27.5°	27	37	50	66	86	108	137	167	203	235	267
-30°	21	28	38	50	64	81	99	121	144	166	190
-32.5°	17	22	28	37	47	59	71	87	101	116	131
-35°	14	17	21	27	33	42	51	61	70	80	90
-37.5°	11	14	17	20	24	29	35	42	48	55	61
-40°	9	11	13	15	18	21	25	28	32	37	41
-42.5°	7	9	10	12	14	15	18	20	22	25	27
-45°	6	7	8	9	10	12	13	14	16	17	18
-47.5°	6	6	7	7	8	9	10	11	12	13	13
-50°	5	5	6	6	6	7	7	8	9	9	10
-52.5°	5	5	5	5	6	6	6	6	7	7	7
-55°	5	5	5	5	5	5	5	6	6	6	6
-57.5°	4	4	5	5	5	5	5	5	5	5	5
-60°	4	4	4	4	4	5	5	5	5	5	5
-62.5°	4	4	4	4	4	4	4	4	4	4	4
-65°	3	3	3	4	4	4	4	4	4	4	4
-67.5°	3	3	3	3	3	3	3	3	4	4	4
-70°	3	3	3	3	3	3	3	3	3	3	3
-72.5°	2	2	2	2	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: P220385 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	2	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°	3	3	3	3	3	3	3	3	3	3	3
67.5°	4	4	4	4	4	4	4	4	4	4	3
65°	4	4	4	4	4	4	4	4	4	4	4
62.5°	4	4	4	5	4	4	4	4	4	4	4
60°	5	5	5	5	5	5	5	5	5	5	5
57.5°	5	5	5	5	5	5	5	5	5	5	5
55°	6	6	6	6	6	6	6	6	6	6	6
52.5°	7	7	8	8	8	7	7	7	7	7	6
50°	10	10	11	11	11	10	10	10	9	9	8
47.5°	14	14	14	14	14	14	14	13	13	12	11
45°	19	20	20	21	20	20	19	18	17	16	14
42.5°	28	29	30	30	30	29	28	27	25	22	20
40°	44	46	47	48	47	46	44	41	37	32	28
37.5°	66	69	71	72	71	69	66	61	55	48	42
35°	97	102	106	107	106	102	97	90	80	70	61
32.5°	143	152	157	159	157	152	143	131	116	101	87
30°	209	223	232	235	232	223	209	190	166	144	121
27.5°	295	317	331	336	331	317	295	267	235	203	167
25°	408	439	459	465	459	439	408	369	323	276	229
22.5°	546	586	613	622	613	586	546	494	433	368	304
20°	706	758	790	801	790	758	706	638	559	476	393
17.5°	881	942	982	995	982	942	881	796	700	595	492
15°	1055	1125	1167	1181	1167	1125	1055	959	846	721	595
12.5°	1211	1279	1317	1330	1317	1279	1211	1113	987	846	700
10°	1331	1394	1430	1443	1430	1394	1331	1240	1113	959	796
7.5°	1419	1481	1519	1531	1519	1481	1419	1331	1211	1055	881
5°	1481	1544	1564	1567	1564	1544	1481	1394	1279	1125	942
2.5°	1519	1564	1565	1561	1565	1564	1519	1430	1317	1167	982
0°	1531	1567	1561	1567	1561	1567	1531	1443	1330	1181	995
-2.5°	1519	1564	1565	1561	1565	1564	1519	1430	1317	1167	982
-5°	1481	1544	1564	1567	1564	1544	1481	1394	1279	1125	942
-7.5°	1419	1481	1519	1531	1519	1481	1419	1331	1211	1055	881
-10°	1331	1394	1430	1443	1430	1394	1331	1240	1113	959	796
-12.5°	1211	1279	1317	1330	1317	1279	1211	1113	987	846	700
-15°	1055	1125	1167	1181	1167	1125	1055	959	846	721	595
-17.5°	881	942	982	995	982	942	881	796	700	595	492
-20°	706	758	790	801	790	758	706	638	559	476	393



REPORT NUMBER: P220385 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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°	546	586	613	622	613	586	546	494	433	368	304
-25°	408	439	459	465	459	439	408	369	323	276	229
-27.5°	295	317	331	336	331	317	295	267	235	203	167
-30°	209	223	232	235	232	223	209	190	166	144	121
-32.5°	143	152	157	159	157	152	143	131	116	101	87
-35°	97	102	106	107	106	102	97	90	80	70	61
-37.5°	66	69	71	72	71	69	66	61	55	48	42
-40°	44	46	47	48	47	46	44	41	37	32	28
-42.5°	28	29	30	30	30	29	28	27	25	22	20
-45°	19	20	20	21	20	20	19	18	17	16	14
-47.5°	14	14	14	14	14	14	14	13	13	12	11
-50°	10	10	11	11	11	10	10	10	9	9	8
-52.5°	7	7	8	8	8	7	7	7	7	7	6
-55°	6	6	6	6	6	6	6	6	6	6	6
-57.5°	5	5	5	5	5	5	5	5	5	5	5
-60°	5	5	5	5	5	5	5	5	5	5	5
-62.5°	4	4	4	5	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	4	4	4	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°	2	2	2	2	2	2	2	2	2	2	2
-80°	1	1	1	2	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: P220385 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	1	1	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	2	1	1	1	1
75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	3	3	3	2	2	2	2	2	2	2	2
70°	3	3	3	3	3	3	3	3	2	2	2
67.5°	3	3	3	3	3	3	3	3	3	3	2
65°	4	4	4	4	3	3	3	3	3	3	3
62.5°	4	4	4	4	4	4	4	3	3	3	3
60°	5	5	4	4	4	4	4	4	4	4	3
57.5°	5	5	5	5	5	4	4	4	4	4	4
55°	5	5	5	5	5	5	5	4	4	4	4
52.5°	6	6	6	5	5	5	5	5	5	4	4
50°	7	7	6	6	6	5	5	5	5	5	4
47.5°	10	9	8	7	7	6	6	5	5	5	5
45°	13	12	10	9	8	7	6	6	5	5	5
42.5°	18	15	14	12	10	9	7	7	6	5	5
40°	25	21	18	15	13	11	9	8	7	6	5
37.5°	35	29	24	20	17	14	11	9	8	7	6
35°	51	42	33	27	21	17	14	11	9	7	6
32.5°	71	59	47	37	28	22	17	14	11	9	7
30°	99	81	64	50	38	28	21	17	13	10	8
27.5°	137	108	86	66	50	37	27	20	15	12	9
25°	186	146	111	86	64	47	33	24	18	14	10
22.5°	244	192	146	108	81	59	42	29	21	15	12
20°	313	244	186	137	99	71	51	35	25	18	13
17.5°	393	304	229	167	121	87	61	42	28	20	14
15°	476	368	276	203	144	101	70	48	32	22	16
12.5°	559	433	323	235	166	116	80	55	37	25	17
10°	638	494	369	267	190	131	90	61	41	27	18
7.5°	706	546	408	295	209	143	97	66	44	28	19
5°	758	586	439	317	223	152	102	69	46	29	20
2.5°	790	613	459	331	232	157	106	71	47	30	20
0°	801	622	465	336	235	159	107	72	48	30	21
-2.5°	790	613	459	331	232	157	106	71	47	30	20
-5°	758	586	439	317	223	152	102	69	46	29	20
-7.5°	706	546	408	295	209	143	97	66	44	28	19
-10°	638	494	369	267	190	131	90	61	41	27	18
-12.5°	559	433	323	235	166	116	80	55	37	25	17
-15°	476	368	276	203	144	101	70	48	32	22	16
-17.5°	393	304	229	167	121	87	61	42	28	20	14
-20°	313	244	186	137	99	71	51	35	25	18	13



REPORT NUMBER: P220385 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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°	244	192	146	108	81	59	42	29	21	15	12
-25°	186	146	111	86	64	47	33	24	18	14	10
-27.5°	137	108	86	66	50	37	27	20	15	12	9
-30°	99	81	64	50	38	28	21	17	13	10	8
-32.5°	71	59	47	37	28	22	17	14	11	9	7
-35°	51	42	33	27	21	17	14	11	9	7	6
-37.5°	35	29	24	20	17	14	11	9	8	7	6
-40°	25	21	18	15	13	11	9	8	7	6	5
-42.5°	18	15	14	12	10	9	7	7	6	5	5
-45°	13	12	10	9	8	7	6	6	5	5	5
-47.5°	10	9	8	7	7	6	6	5	5	5	5
-50°	7	7	6	6	6	5	5	5	5	5	4
-52.5°	6	6	6	5	5	5	5	5	5	4	4
-55°	5	5	5	5	5	5	5	4	4	4	4
-57.5°	5	5	5	5	5	4	4	4	4	4	4
-60°	5	5	4	4	4	4	4	4	4	4	3
-62.5°	4	4	4	4	4	4	4	3	3	3	3
-65°	4	4	4	4	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	3	2	2	2
-72.5°	3	3	3	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	2	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	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: P220385 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	1	0	0	0
77.5°	1	1	1	1	1	1	1	1	1	1	0
75°	2	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	2	1	1	1	1
65°	3	3	2	2	2	2	2	2	1	1	1
62.5°	3	3	3	2	2	2	2	2	2	1	1
60°	3	3	3	3	2	2	2	2	2	1	1
57.5°	3	3	3	3	3	2	2	2	2	2	1
55°	4	4	3	3	3	3	2	2	2	2	1
52.5°	4	4	4	3	3	3	3	2	2	2	2
50°	4	4	4	4	3	3	3	3	2	2	2
47.5°	4	4	4	4	3	3	3	3	2	2	2
45°	5	4	4	4	4	3	3	3	2	2	2
42.5°	5	5	4	4	4	4	3	3	3	2	2
40°	5	5	5	4	4	4	3	3	3	2	2
37.5°	5	5	5	4	4	4	3	3	3	3	2
35°	6	5	5	5	4	4	4	3	3	3	2
32.5°	6	5	5	5	4	4	4	3	3	3	2
30°	7	6	5	5	5	4	4	3	3	3	2
27.5°	7	6	5	5	5	4	4	4	3	3	2
25°	8	6	6	5	5	4	4	4	3	3	3
22.5°	9	7	6	5	5	5	4	4	3	3	3
20°	10	7	6	5	5	5	4	4	3	3	3
17.5°	11	8	6	6	5	5	4	4	3	3	3
15°	12	9	7	6	5	5	4	4	4	3	3
12.5°	13	9	7	6	5	5	4	4	4	3	3
10°	13	10	7	6	5	5	4	4	4	3	3
7.5°	14	10	7	6	5	5	4	4	4	3	3
5°	14	10	7	6	5	5	4	4	4	3	3
2.5°	14	11	8	6	5	5	4	4	4	3	3
0°	14	11	8	6	5	5	5	4	4	3	3
-2.5°	14	11	8	6	5	5	4	4	4	3	3
-5°	14	10	7	6	5	5	4	4	4	3	3
-7.5°	14	10	7	6	5	5	4	4	4	3	3
-10°	13	10	7	6	5	5	4	4	4	3	3
-12.5°	13	9	7	6	5	5	4	4	4	3	3
-15°	12	9	7	6	5	5	4	4	4	3	3
-17.5°	11	8	6	6	5	5	4	4	3	3	3
-20°	10	7	6	5	5	5	4	4	3	3	3



REPORT NUMBER: P220385 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	5	5	4	4	3	3	3
-25°	8	6	6	5	5	4	4	4	3	3	3
-27.5°	7	6	5	5	5	4	4	4	3	3	2
-30°	7	6	5	5	5	4	4	3	3	3	2
-32.5°	6	5	5	5	4	4	4	3	3	3	2
-35°	6	5	5	5	4	4	4	3	3	3	2
-37.5°	5	5	5	4	4	4	3	3	3	3	2
-40°	5	5	5	4	4	4	3	3	3	2	2
-42.5°	5	5	4	4	4	4	3	3	3	2	2
-45°	5	4	4	4	4	3	3	3	2	2	2
-47.5°	4	4	4	4	3	3	3	3	2	2	2
-50°	4	4	4	4	3	3	3	3	2	2	2
-52.5°	4	4	4	3	3	3	3	2	2	2	2
-55°	4	4	3	3	3	3	2	2	2	2	1
-57.5°	3	3	3	3	3	2	2	2	2	2	1
-60°	3	3	3	3	2	2	2	2	2	1	1
-62.5°	3	3	3	2	2	2	2	2	2	1	1
-65°	3	3	2	2	2	2	2	2	1	1	1
-67.5°	2	2	2	2	2	2	2	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°	2	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	1	1	1	1	1	1	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: P220385 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	1	0	0	0	0	0
67.5°	1	1	0	0	0	0	0
65°	1	1	1	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°	2	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	2	1	1	1	0	0
32.5°	2	2	1	1	1	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	2	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: P220385 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-F-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	1	0	0
-35°	2	2	1	1	1	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°	2	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	1	0	0	0	0
-67.5°	1	1	0	0	0	0	0
-70°	1	1	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)