

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: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220393 (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-LED2790-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, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

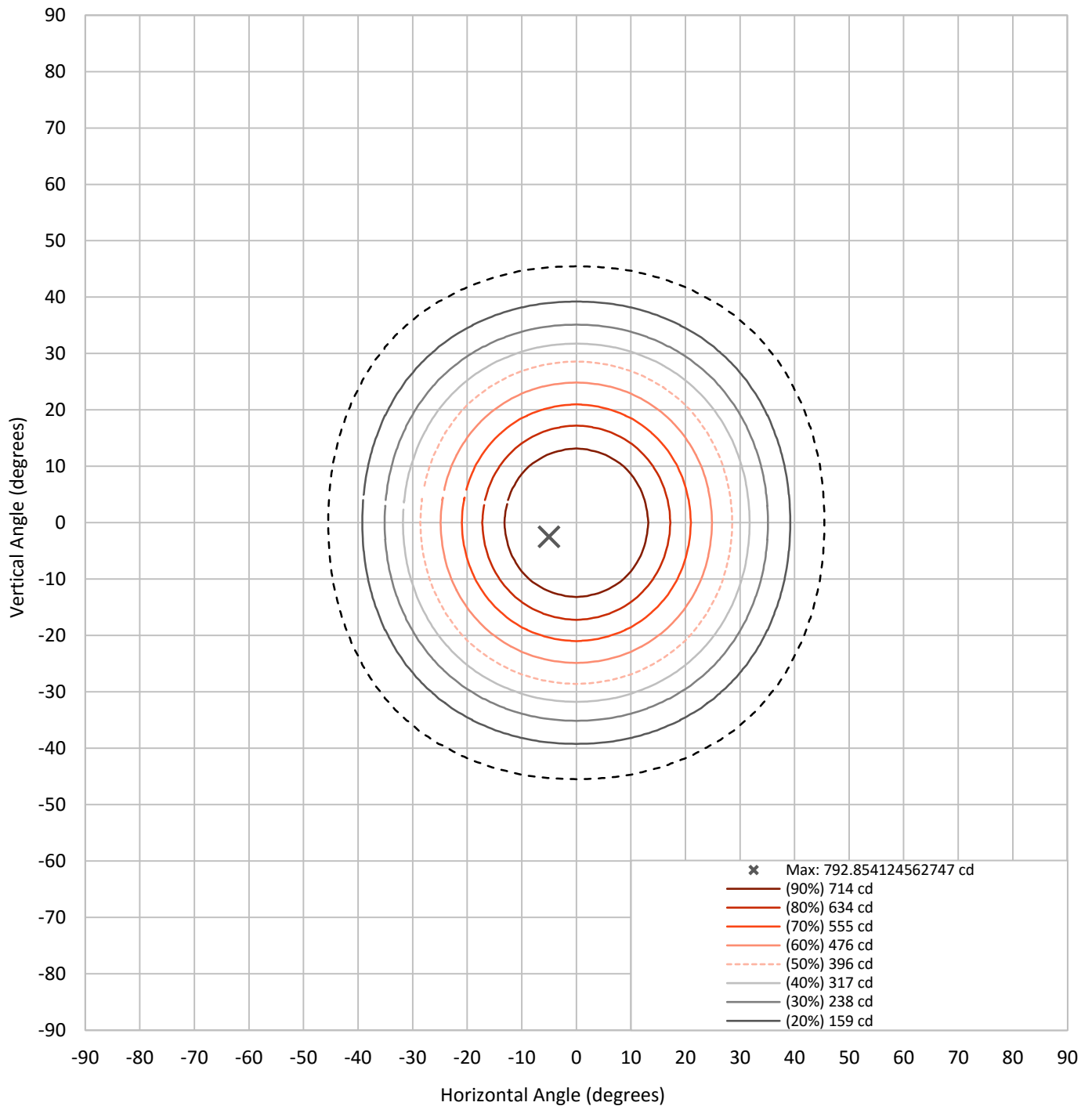
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	730.7 lumens	Max Intensity:	792.9 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	73.1 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	57°H x 56.4°V	Field Angle (10%):	90.7°H x 90.4°V
Beam Lumens:	449.9 lumens	Field Lumens:	673.7 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		



REPORT NUMBER: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Iso-Candela Plot





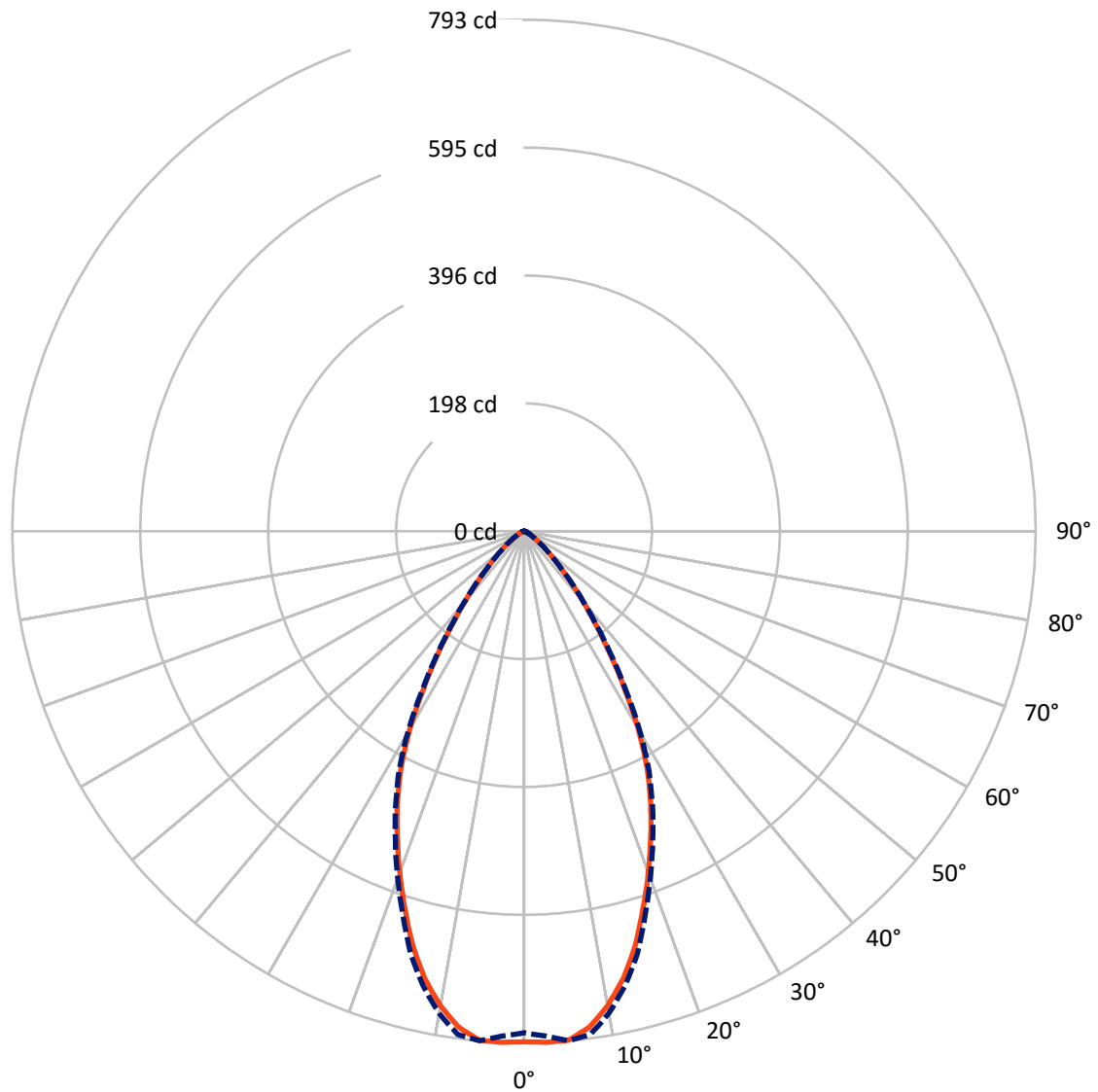
REPORT NUMBER: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-W-WT-L1-UNV

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	0.8	0.8	0.6	0.4	0.3	0.1	0.1		0.0			
40	0.0	0.0	0.1	0.3	0.7	1.3	2.0	2.6	2.6	2.0	1.3	0.7	0.3	0.1	0.0				
30		0.1	0.2	0.6	1.5	3.3	5.6	7.2	7.2	5.6	3.3	1.5	0.6	0.2	0.1				
20	0.0	0.1	0.3	1.0	3.0	6.8	11.2	13.9	13.9	11.2	6.8	3.0	1.0	0.3	0.1				
10		0.1	0.4	1.5	4.7	10.6	16.1	19.9	19.9	16.1	10.6	4.7	1.5	0.4	0.1				
0	0.0	0.1	0.5	1.9	5.9	12.7	19.3	23.5	23.5	19.3	12.7	5.9	1.9	0.5	0.1				
-10		0.1	0.5	1.9	5.9	12.7	19.3	23.5	23.5	19.3	12.7	5.9	1.9	0.5	0.1				
-20	0.0	0.1	0.4	1.5	4.7	10.6	16.1	19.9	19.9	16.1	10.6	4.7	1.5	0.4	0.1				
-30		0.1	0.3	1.0	3.0	6.8	11.2	13.9	13.9	11.2	6.8	3.0	1.0	0.3	0.1				
-40	0.0	0.1	0.2	0.6	1.5	3.3	5.6	7.2	7.2	5.6	3.3	1.5	0.6	0.2	0.1				
-50		0.0	0.1	0.3	0.7	1.3	2.0	2.6	2.6	2.0	1.3	0.7	0.3	0.1	0.0				
-60	0.0	0.0	0.1	0.1	0.3	0.4	0.6	0.8	0.8	0.6	0.4	0.3	0.1	0.1	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						
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

REPORT NUMBER: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)
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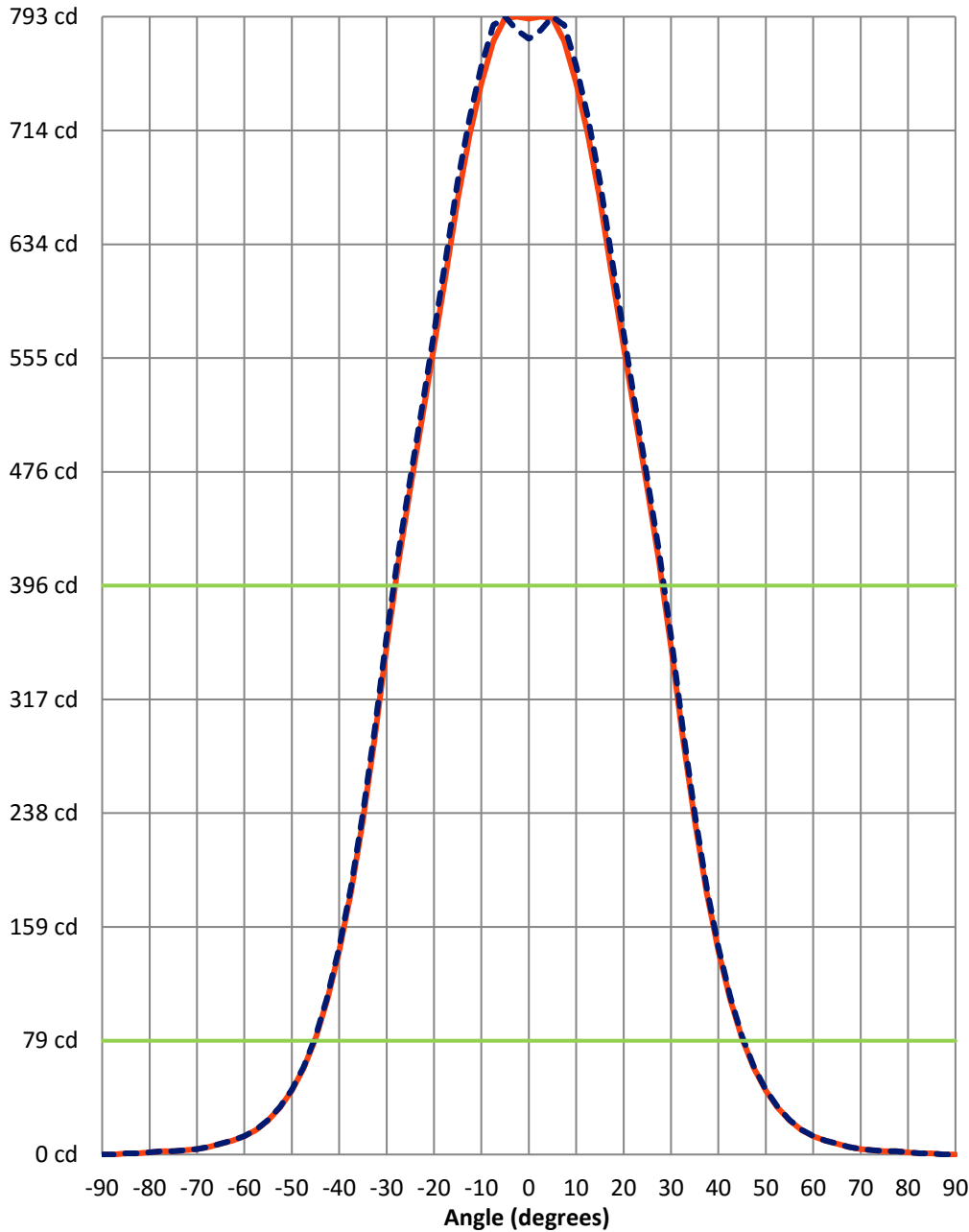
Luminous Intensity Polar Plot



— 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: 449.9
 Efficiency: 61.6%

Field:
 H Angle: 90.7°
 V Angle: 90.4°
 Lumens: 673.7
 Efficiency: 92.2%

Spill:
 Lumens: 57
 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	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	4
35°	0	0	1	1	1	2	2	2	3	3	4
32.5°	0	0	1	1	1	2	2	2	3	3	4
30°	0	0	1	1	1	2	2	2	3	4	5
27.5°	0	0	1	1	1	2	2	2	3	4	5
25°	0	0	1	1	1	2	2	3	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	5	6
15°	0	0	1	1	1	2	2	3	4	5	7
12.5°	0	0	1	1	1	2	2	3	4	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	8
2.5°	0	0	1	1	1	2	2	3	4	5	8
0°	0	0	1	1	2	2	2	3	4	5	8
-2.5°	0	0	1	1	1	2	2	3	4	5	8
-5°	0	0	1	1	1	2	2	3	4	5	8
-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	4	5	7
-15°	0	0	1	1	1	2	2	3	4	5	7
-17.5°	0	0	1	1	1	2	2	3	3	5	6
-20°	0	0	1	1	1	2	2	3	3	4	6



REPORT NUMBER: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	3	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	4	5
-32.5°	0	0	1	1	1	2	2	2	3	3	4
-35°	0	0	1	1	1	2	2	2	3	3	4
-37.5°	0	0	0	1	1	1	2	2	3	3	4
-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: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	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	4
62.5°	2	2	2	2	3	3	3	3	4	4	5
60°	2	2	2	3	3	3	4	4	5	5	6
57.5°	2	2	3	3	4	4	5	5	6	7	8
55°	2	3	3	4	4	5	6	7	8	9	9
52.5°	3	3	4	4	5	6	7	8	9	10	12
50°	3	3	4	5	6	7	8	9	11	12	14
47.5°	3	4	5	6	7	8	9	11	13	15	17
45°	3	4	5	7	8	9	11	13	15	18	22
42.5°	4	5	6	8	9	11	13	15	19	23	27
40°	4	5	7	9	10	12	15	18	23	28	33
37.5°	5	6	8	9	12	14	17	22	27	33	41
35°	5	7	9	10	13	16	20	26	32	40	49
32.5°	6	8	9	12	15	18	23	30	38	47	58
30°	6	8	10	13	16	21	27	35	44	55	69
27.5°	7	9	11	14	18	24	31	40	51	64	80
25°	7	9	12	15	20	26	35	45	58	74	94
22.5°	8	10	13	16	22	29	39	50	65	83	107
20°	8	10	13	18	24	32	43	56	73	94	120
17.5°	9	11	14	19	26	35	46	61	80	104	134
15°	9	12	15	21	28	38	50	66	87	114	146
12.5°	9	12	16	22	30	40	54	71	94	123	158
10°	9	12	16	23	31	42	56	75	100	131	169
7.5°	10	13	17	23	32	43	59	78	105	137	177
5°	10	13	17	24	33	45	60	81	108	142	183
2.5°	10	13	17	24	33	45	61	82	110	144	187
0°	10	13	17	24	33	45	61	83	111	145	188
-2.5°	10	13	17	24	33	45	61	82	110	144	187
-5°	10	13	17	24	33	45	60	81	108	142	183
-7.5°	10	13	17	23	32	43	59	78	105	137	177
-10°	9	12	16	23	31	42	56	75	100	131	169
-12.5°	9	12	16	22	30	40	54	71	94	123	158
-15°	9	12	15	21	28	38	50	66	87	114	146
-17.5°	9	11	14	19	26	35	46	61	80	104	134
-20°	8	10	13	18	24	32	43	56	73	94	120



REPORT NUMBER: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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°	8	10	13	16	22	29	39	50	65	83	107
-25°	7	9	12	15	20	26	35	45	58	74	94
-27.5°	7	9	11	14	18	24	31	40	51	64	80
-30°	6	8	10	13	16	21	27	35	44	55	69
-32.5°	6	8	9	12	15	18	23	30	38	47	58
-35°	5	7	9	10	13	16	20	26	32	40	49
-37.5°	5	6	8	9	12	14	17	22	27	33	41
-40°	4	5	7	9	10	12	15	18	23	28	33
-42.5°	4	5	6	8	9	11	13	15	19	23	27
-45°	3	4	5	7	8	9	11	13	15	18	22
-47.5°	3	4	5	6	7	8	9	11	13	15	17
-50°	3	3	4	5	6	7	8	9	11	12	14
-52.5°	3	3	4	4	5	6	7	8	9	10	12
-55°	2	3	3	4	4	5	6	7	8	9	9
-57.5°	2	2	3	3	4	4	5	5	6	7	8
-60°	2	2	2	3	3	3	4	4	5	5	6
-62.5°	2	2	2	2	3	3	3	3	4	4	5
-65°	2	2	2	2	2	3	3	3	3	3	4
-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: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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°	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	4	4	4
67.5°	3	3	4	4	4	4	4	5	5	5	5
65°	4	4	5	5	5	6	6	6	7	7	7
62.5°	5	6	6	7	7	8	8	9	9	9	9
60°	7	8	8	9	9	10	10	11	12	12	12
57.5°	9	9	10	11	12	13	13	14	15	16	16
55°	10	12	13	14	15	16	18	19	21	22	23
52.5°	13	15	16	18	20	22	24	26	28	30	31
50°	16	18	21	24	26	29	32	35	38	40	42
47.5°	20	23	27	31	35	39	43	46	50	54	56
45°	26	30	35	40	45	50	56	61	66	71	75
42.5°	32	38	44	51	58	65	73	80	87	94	100
40°	40	47	55	64	74	83	94	104	114	123	131
37.5°	49	58	69	80	94	107	120	134	146	158	169
35°	59	72	85	101	117	134	151	169	184	200	214
32.5°	72	86	104	123	143	166	186	209	230	249	267
30°	85	104	126	149	174	201	228	256	281	304	325
27.5°	101	123	149	177	209	240	274	306	336	363	384
25°	117	143	174	209	245	283	322	359	389	416	437
22.5°	134	166	201	240	283	327	369	405	437	462	483
20°	151	186	228	274	322	369	411	447	477	504	528
17.5°	169	209	256	306	359	405	447	482	516	546	574
15°	184	230	281	336	389	437	477	516	553	587	618
12.5°	200	249	304	363	416	462	504	546	587	626	662
10°	214	267	325	384	437	483	528	574	618	662	699
7.5°	225	280	342	401	453	500	548	596	645	691	726
5°	233	290	354	412	464	513	563	614	666	710	747
2.5°	238	296	361	420	471	521	573	625	678	722	759
0°	239	298	364	422	473	524	576	628	683	726	763
-2.5°	238	296	361	420	471	521	573	625	678	722	759
-5°	233	290	354	412	464	513	563	614	666	710	747
-7.5°	225	280	342	401	453	500	548	596	645	691	726
-10°	214	267	325	384	437	483	528	574	618	662	699
-12.5°	200	249	304	363	416	462	504	546	587	626	662
-15°	184	230	281	336	389	437	477	516	553	587	618
-17.5°	169	209	256	306	359	405	447	482	516	546	574
-20°	151	186	228	274	322	369	411	447	477	504	528



REPORT NUMBER: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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°	134	166	201	240	283	327	369	405	437	462	483
-25°	117	143	174	209	245	283	322	359	389	416	437
-27.5°	101	123	149	177	209	240	274	306	336	363	384
-30°	85	104	126	149	174	201	228	256	281	304	325
-32.5°	72	86	104	123	143	166	186	209	230	249	267
-35°	59	72	85	101	117	134	151	169	184	200	214
-37.5°	49	58	69	80	94	107	120	134	146	158	169
-40°	40	47	55	64	74	83	94	104	114	123	131
-42.5°	32	38	44	51	58	65	73	80	87	94	100
-45°	26	30	35	40	45	50	56	61	66	71	75
-47.5°	20	23	27	31	35	39	43	46	50	54	56
-50°	16	18	21	24	26	29	32	35	38	40	42
-52.5°	13	15	16	18	20	22	24	26	28	30	31
-55°	10	12	13	14	15	16	18	19	21	22	23
-57.5°	9	9	10	11	12	13	13	14	15	16	16
-60°	7	8	8	9	9	10	10	11	12	12	12
-62.5°	5	6	6	7	7	8	8	9	9	9	9
-65°	4	4	5	5	5	6	6	6	7	7	7
-67.5°	3	3	4	4	4	4	4	5	5	5	5
-70°	3	3	3	3	3	3	3	3	4	4	4
-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: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	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°	4	4	4	4	4	4	4	4	4	4	3
67.5°	5	5	5	5	5	5	5	5	5	5	5
65°	7	8	8	8	8	8	7	7	7	7	6
62.5°	10	10	10	10	10	10	10	9	9	9	9
60°	13	13	13	13	13	13	13	12	12	12	11
57.5°	17	17	17	17	17	17	17	16	16	15	14
55°	23	24	24	24	24	24	23	23	22	21	19
52.5°	32	33	33	33	33	33	32	31	30	28	26
50°	43	45	45	45	45	45	43	42	40	38	35
47.5°	59	60	61	61	61	60	59	56	54	50	46
45°	78	81	82	83	82	81	78	75	71	66	61
42.5°	105	108	110	111	110	108	105	100	94	87	80
40°	137	142	144	145	144	142	137	131	123	114	104
37.5°	177	183	187	188	187	183	177	169	158	146	134
35°	225	233	238	239	238	233	225	214	200	184	169
32.5°	280	290	296	298	296	290	280	267	249	230	209
30°	342	354	361	364	361	354	342	325	304	281	256
27.5°	401	412	420	422	420	412	401	384	363	336	306
25°	453	464	471	473	471	464	453	437	416	389	359
22.5°	500	513	521	524	521	513	500	483	462	437	405
20°	548	563	573	576	573	563	548	528	504	477	447
17.5°	596	614	625	628	625	614	596	574	546	516	482
15°	645	666	678	683	678	666	645	618	587	553	516
12.5°	691	710	722	726	722	710	691	662	626	587	546
10°	726	747	759	763	759	747	726	699	662	618	574
7.5°	755	776	787	789	787	776	755	726	691	645	596
5°	776	792	793	792	793	792	776	747	710	666	614
2.5°	787	793	783	778	783	793	787	759	722	678	625
0°	789	792	778	777	778	792	789	763	726	683	628
-2.5°	787	793	783	778	783	793	787	759	722	678	625
-5°	776	792	793	792	793	792	776	747	710	666	614
-7.5°	755	776	787	789	787	776	755	726	691	645	596
-10°	726	747	759	763	759	747	726	699	662	618	574
-12.5°	691	710	722	726	722	710	691	662	626	587	546
-15°	645	666	678	683	678	666	645	618	587	553	516
-17.5°	596	614	625	628	625	614	596	574	546	516	482
-20°	548	563	573	576	573	563	548	528	504	477	447



REPORT NUMBER: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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°	500	513	521	524	521	513	500	483	462	437	405
-25°	453	464	471	473	471	464	453	437	416	389	359
-27.5°	401	412	420	422	420	412	401	384	363	336	306
-30°	342	354	361	364	361	354	342	325	304	281	256
-32.5°	280	290	296	298	296	290	280	267	249	230	209
-35°	225	233	238	239	238	233	225	214	200	184	169
-37.5°	177	183	187	188	187	183	177	169	158	146	134
-40°	137	142	144	145	144	142	137	131	123	114	104
-42.5°	105	108	110	111	110	108	105	100	94	87	80
-45°	78	81	82	83	82	81	78	75	71	66	61
-47.5°	59	60	61	61	61	60	59	56	54	50	46
-50°	43	45	45	45	45	45	43	42	40	38	35
-52.5°	32	33	33	33	33	33	32	31	30	28	26
-55°	23	24	24	24	24	24	23	23	22	21	19
-57.5°	17	17	17	17	17	17	17	16	16	15	14
-60°	13	13	13	13	13	13	13	12	12	12	11
-62.5°	10	10	10	10	10	10	10	9	9	9	9
-65°	7	8	8	8	8	8	7	7	7	7	6
-67.5°	5	5	5	5	5	5	5	5	5	5	5
-70°	4	4	4	4	4	4	4	4	4	4	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: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	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°	4	4	4	4	4	3	3	3	3	3	2
65°	6	6	5	5	5	4	4	4	3	3	3
62.5°	8	8	7	7	6	6	5	5	4	4	3
60°	10	10	9	9	8	8	7	6	5	5	4
57.5°	13	13	12	11	10	9	9	8	7	6	5
55°	18	16	15	14	13	12	10	9	9	8	7
52.5°	24	22	20	18	16	15	13	12	10	9	8
50°	32	29	26	24	21	18	16	14	12	11	9
47.5°	43	39	35	31	27	23	20	17	15	13	11
45°	56	50	45	40	35	30	26	22	18	15	13
42.5°	73	65	58	51	44	38	32	27	23	19	15
40°	94	83	74	64	55	47	40	33	28	23	18
37.5°	120	107	94	80	69	58	49	41	33	27	22
35°	151	134	117	101	85	72	59	49	40	32	26
32.5°	186	166	143	123	104	86	72	58	47	38	30
30°	228	201	174	149	126	104	85	69	55	44	35
27.5°	274	240	209	177	149	123	101	80	64	51	40
25°	322	283	245	209	174	143	117	94	74	58	45
22.5°	369	327	283	240	201	166	134	107	83	65	50
20°	411	369	322	274	228	186	151	120	94	73	56
17.5°	447	405	359	306	256	209	169	134	104	80	61
15°	477	437	389	336	281	230	184	146	114	87	66
12.5°	504	462	416	363	304	249	200	158	123	94	71
10°	528	483	437	384	325	267	214	169	131	100	75
7.5°	548	500	453	401	342	280	225	177	137	105	78
5°	563	513	464	412	354	290	233	183	142	108	81
2.5°	573	521	471	420	361	296	238	187	144	110	82
0°	576	524	473	422	364	298	239	188	145	111	83
-2.5°	573	521	471	420	361	296	238	187	144	110	82
-5°	563	513	464	412	354	290	233	183	142	108	81
-7.5°	548	500	453	401	342	280	225	177	137	105	78
-10°	528	483	437	384	325	267	214	169	131	100	75
-12.5°	504	462	416	363	304	249	200	158	123	94	71
-15°	477	437	389	336	281	230	184	146	114	87	66
-17.5°	447	405	359	306	256	209	169	134	104	80	61
-20°	411	369	322	274	228	186	151	120	94	73	56



REPORT NUMBER: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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°	369	327	283	240	201	166	134	107	83	65	50
-25°	322	283	245	209	174	143	117	94	74	58	45
-27.5°	274	240	209	177	149	123	101	80	64	51	40
-30°	228	201	174	149	126	104	85	69	55	44	35
-32.5°	186	166	143	123	104	86	72	58	47	38	30
-35°	151	134	117	101	85	72	59	49	40	32	26
-37.5°	120	107	94	80	69	58	49	41	33	27	22
-40°	94	83	74	64	55	47	40	33	28	23	18
-42.5°	73	65	58	51	44	38	32	27	23	19	15
-45°	56	50	45	40	35	30	26	22	18	15	13
-47.5°	43	39	35	31	27	23	20	17	15	13	11
-50°	32	29	26	24	21	18	16	14	12	11	9
-52.5°	24	22	20	18	16	15	13	12	10	9	8
-55°	18	16	15	14	13	12	10	9	9	8	7
-57.5°	13	13	12	11	10	9	9	8	7	6	5
-60°	10	10	9	9	8	8	7	6	5	5	4
-62.5°	8	8	7	7	6	6	5	5	4	4	3
-65°	6	6	5	5	5	4	4	4	3	3	3
-67.5°	4	4	4	4	4	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: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	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°	4	3	3	3	2	2	2	2	2	1	1
57.5°	5	4	4	3	3	2	2	2	2	2	1
55°	6	5	4	4	3	3	2	2	2	2	1
52.5°	7	6	5	4	4	3	3	2	2	2	2
50°	8	7	6	5	4	3	3	3	2	2	2
47.5°	9	8	7	6	5	4	3	3	2	2	2
45°	11	9	8	7	5	4	3	3	2	2	2
42.5°	13	11	9	8	6	5	4	3	3	2	2
40°	15	12	10	9	7	5	4	3	3	2	2
37.5°	17	14	12	9	8	6	5	4	3	3	2
35°	20	16	13	10	9	7	5	4	3	3	2
32.5°	23	18	15	12	9	8	6	4	3	3	2
30°	27	21	16	13	10	8	6	5	4	3	2
27.5°	31	24	18	14	11	9	7	5	4	3	2
25°	35	26	20	15	12	9	7	5	4	3	3
22.5°	39	29	22	16	13	10	8	6	4	3	3
20°	43	32	24	18	13	10	8	6	4	3	3
17.5°	46	35	26	19	14	11	9	6	5	3	3
15°	50	38	28	21	15	12	9	7	5	4	3
12.5°	54	40	30	22	16	12	9	7	5	4	3
10°	56	42	31	23	16	12	9	7	5	4	3
7.5°	59	43	32	23	17	13	10	7	5	4	3
5°	60	45	33	24	17	13	10	8	5	4	3
2.5°	61	45	33	24	17	13	10	8	5	4	3
0°	61	45	33	24	17	13	10	8	5	4	3
-2.5°	61	45	33	24	17	13	10	8	5	4	3
-5°	60	45	33	24	17	13	10	8	5	4	3
-7.5°	59	43	32	23	17	13	10	7	5	4	3
-10°	56	42	31	23	16	12	9	7	5	4	3
-12.5°	54	40	30	22	16	12	9	7	5	4	3
-15°	50	38	28	21	15	12	9	7	5	4	3
-17.5°	46	35	26	19	14	11	9	6	5	3	3
-20°	43	32	24	18	13	10	8	6	4	3	3



REPORT NUMBER: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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°	39	29	22	16	13	10	8	6	4	3	3
-25°	35	26	20	15	12	9	7	5	4	3	3
-27.5°	31	24	18	14	11	9	7	5	4	3	2
-30°	27	21	16	13	10	8	6	5	4	3	2
-32.5°	23	18	15	12	9	8	6	4	3	3	2
-35°	20	16	13	10	9	7	5	4	3	3	2
-37.5°	17	14	12	9	8	6	5	4	3	3	2
-40°	15	12	10	9	7	5	4	3	3	2	2
-42.5°	13	11	9	8	6	5	4	3	3	2	2
-45°	11	9	8	7	5	4	3	3	2	2	2
-47.5°	9	8	7	6	5	4	3	3	2	2	2
-50°	8	7	6	5	4	3	3	3	2	2	2
-52.5°	7	6	5	4	4	3	3	2	2	2	2
-55°	6	5	4	4	3	3	2	2	2	2	1
-57.5°	5	4	4	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	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: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	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: P220393 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2790-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	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)