

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: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED3097-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220390 (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-LED3097-F-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	798.6 lumens	Max Intensity:	1598.5 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x 0°V
Efficacy:	79.9 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:	480.3 lumens	Field Lumens:	723.2 lumens
Beam Efficiency:	60.2%	Field Efficiency:	90.6%

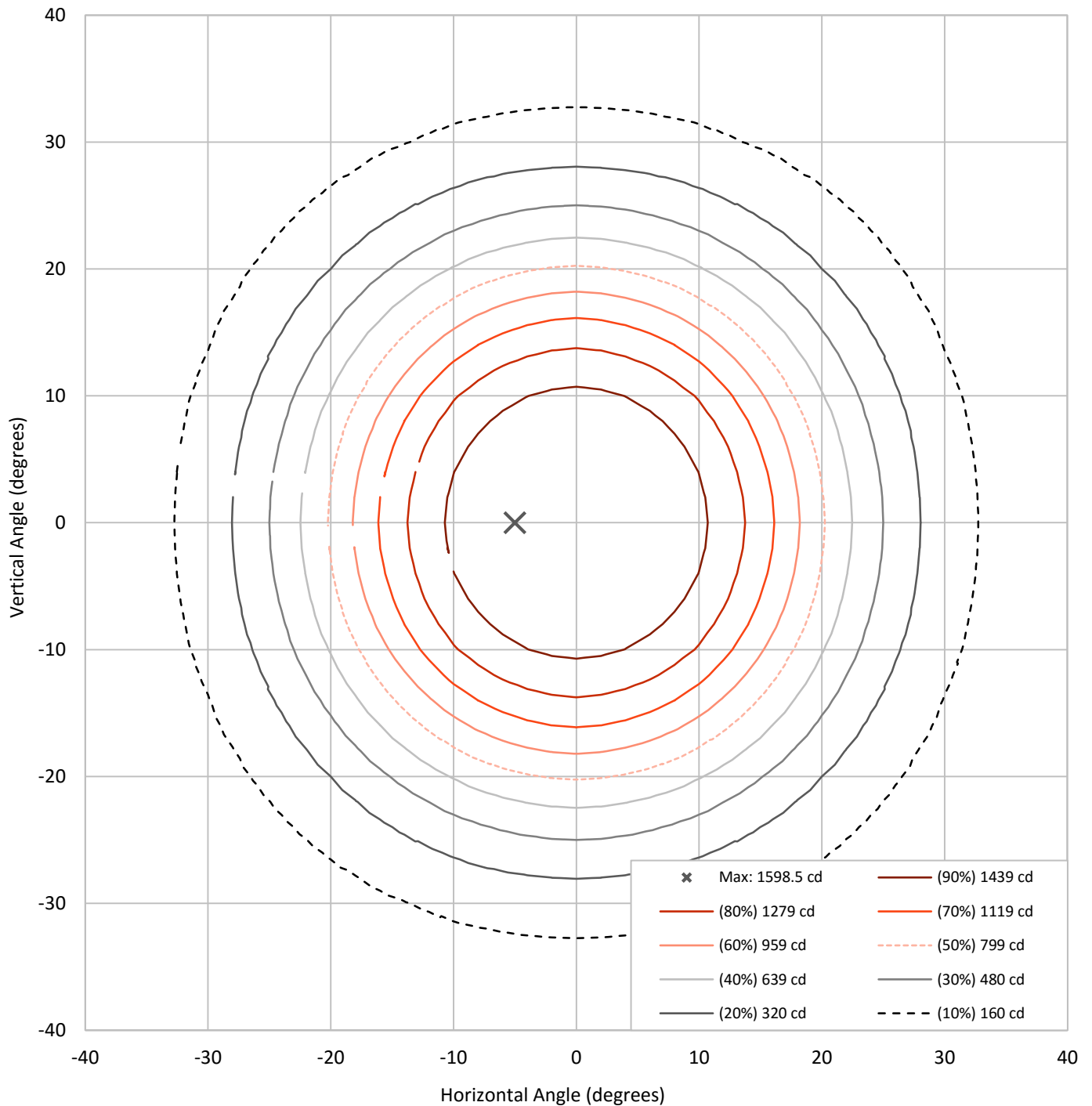
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-WT-L1-UNV

Iso-Candela Plot





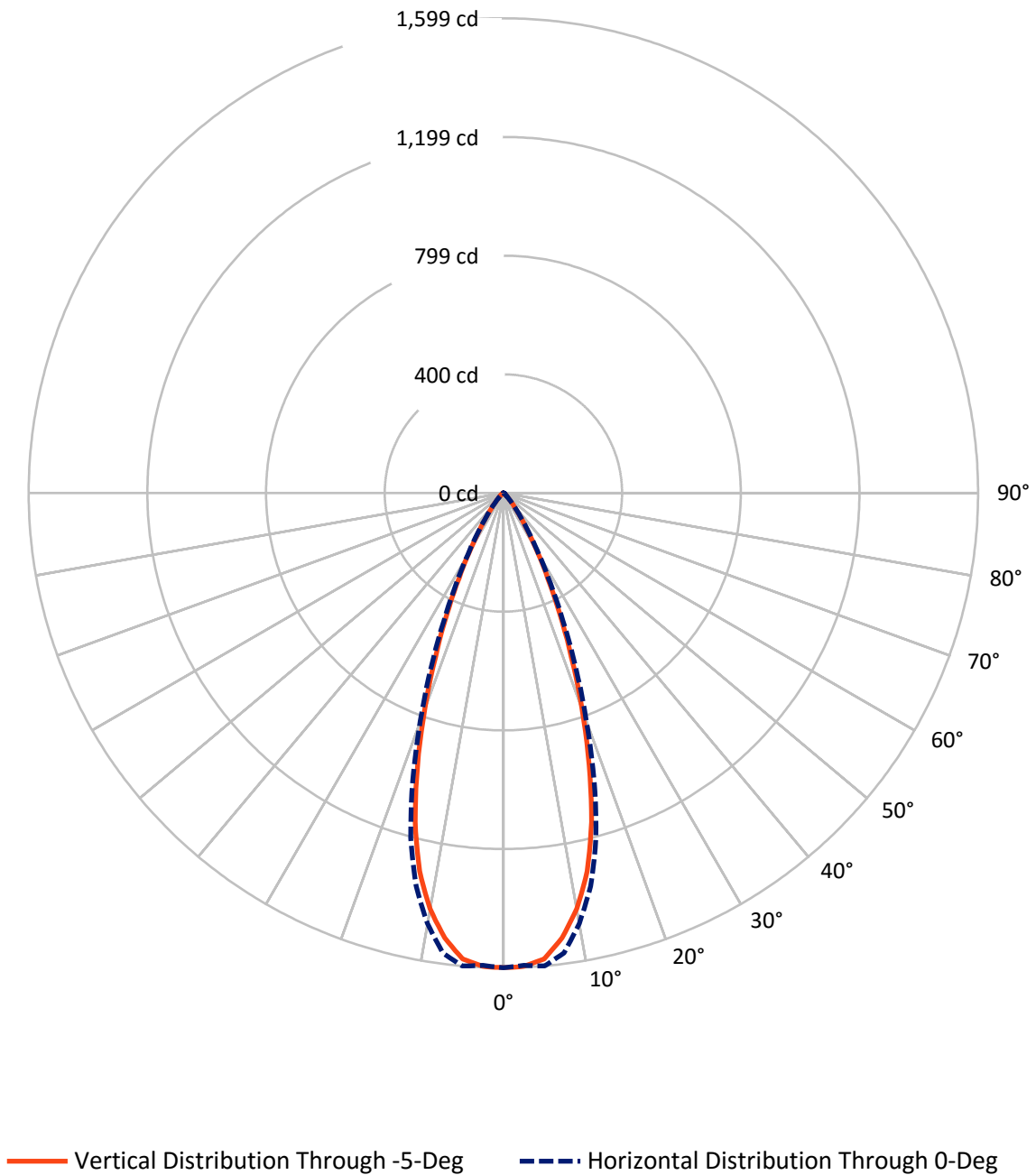
REPORT NUMBER: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-WT-L1-UNV

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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0				
50		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			
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		0.0	0.1	0.1	0.4	1.1	2.3	3.5	3.5	2.3	1.1	0.4	0.1	0.1	0.0				
20	0.0	0.0	0.1	0.2	1.0	3.4	8.7	13.9	13.9	8.7	3.4	1.0	0.2	0.1	0.0	0.0			
10		0.1	0.1	0.4	2.0	8.2	21.6	33.6	33.6	21.6	8.2	2.0	0.4	0.1	0.1				
0	0.0	0.1	0.1	0.5	2.9	12.7	32.6	46.2	46.2	32.6	12.7	2.9	0.5	0.1	0.1	0.0			
-10		0.1	0.1	0.5	2.9	12.7	32.6	46.2	46.2	32.6	12.7	2.9	0.5	0.1	0.1				
-20	0.0	0.1	0.1	0.4	2.0	8.2	21.6	33.6	33.6	21.6	8.2	2.0	0.4	0.1	0.1	0.0			
-30		0.0	0.1	0.2	1.0	3.4	8.7	13.9	13.9	8.7	3.4	1.0	0.2	0.1	0.0				
-40	0.0	0.0	0.1	0.1	0.4	1.1	2.3	3.5	3.5	2.3	1.1	0.4	0.1	0.1	0.0	0.0			
-50		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				
-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		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				
-80	0.0	0.0		0.1	0.2	0.2	0.2	0.1	0.0		0.0								
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

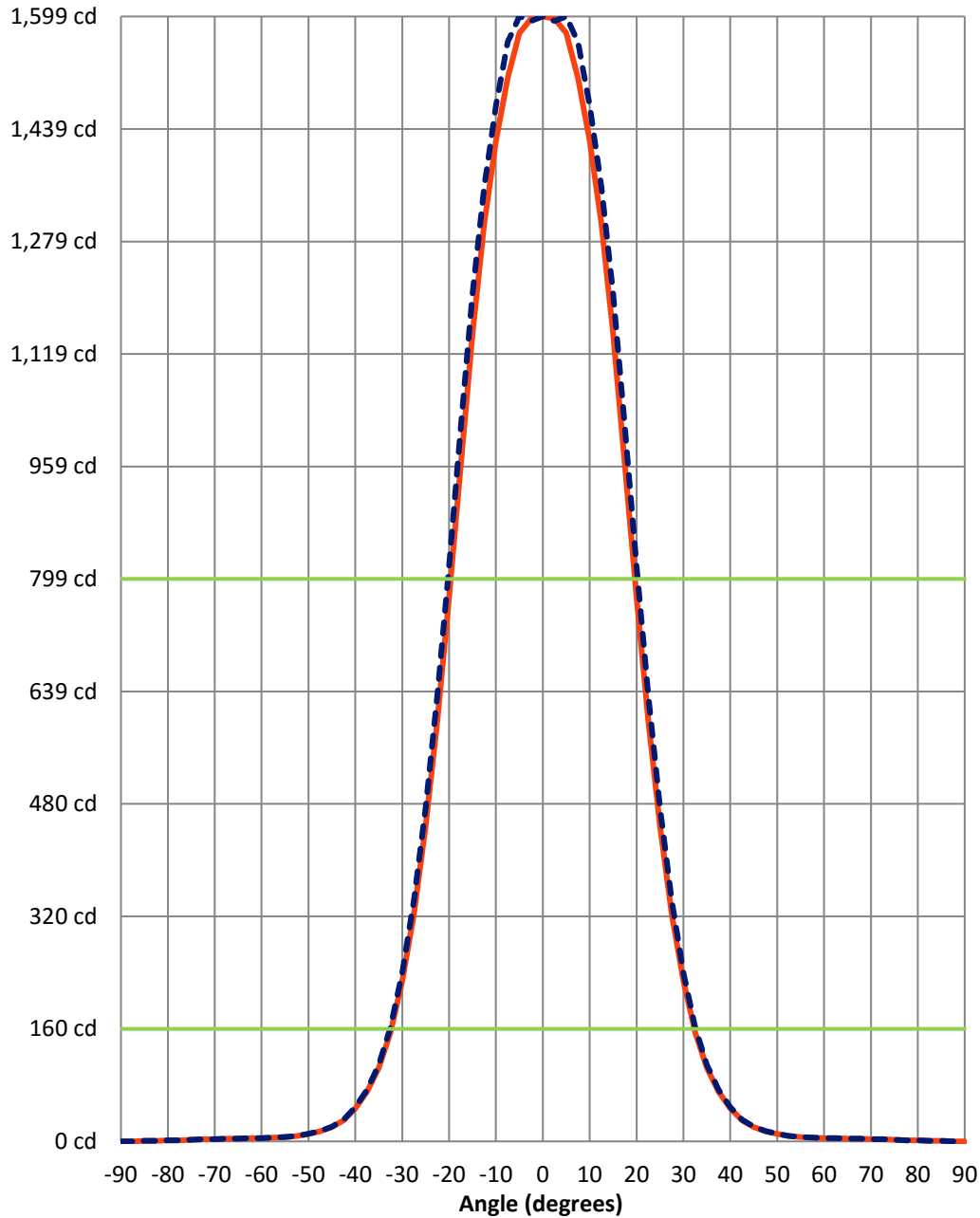
REPORT NUMBER: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-WT-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-WT-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 40.5°
 V Angle: 39.3°
 Lumens: 480.3
 Efficiency: 60.2%

Field:
 H Angle: 65.2°
 V Angle: 64.7°
 Lumens: 723.2
 Efficiency: 90.6%

Spill:
 Lumens: 75.3
 Efficiency: 9.4%

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



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-F-WT-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	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	3	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	4
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	4	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	4	4
-20°	0	0	1	1	1	2	2	3	3	3	4



REPORT NUMBER: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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	4
-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	3	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: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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	3	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	4
60°	2	2	2	3	3	3	3	3	4	4	4
57.5°	2	2	3	3	3	3	4	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	4	4	4	4	5	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	6	6	7
40°	3	4	4	4	5	5	5	5	6	7	8
37.5°	4	4	4	4	5	5	5	6	7	8	10
35°	4	4	4	5	5	5	6	6	7	9	12
32.5°	4	4	4	5	5	6	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	7	8	11	14	18	25
22.5°	4	5	5	5	6	7	9	12	16	21	29
20°	4	5	5	5	6	7	10	13	18	25	36
17.5°	4	5	5	6	6	8	11	15	20	29	43
15°	4	5	5	6	7	9	12	16	23	33	49
12.5°	4	5	5	6	7	9	13	18	25	37	56
10°	4	5	5	6	7	10	13	19	27	41	62
7.5°	5	5	5	6	7	10	14	20	29	45	67
5°	5	5	5	6	8	11	14	20	30	47	71
2.5°	5	5	5	6	8	11	15	21	31	48	73
0°	5	5	5	6	8	11	15	21	31	49	73
-2.5°	5	5	5	6	8	11	15	21	31	48	73
-5°	5	5	5	6	8	11	14	20	30	47	71
-7.5°	5	5	5	6	7	10	14	20	29	45	67
-10°	4	5	5	6	7	10	13	19	27	41	62
-12.5°	4	5	5	6	7	9	13	18	25	37	56
-15°	4	5	5	6	7	9	12	16	23	33	49
-17.5°	4	5	5	6	6	8	11	15	20	29	43
-20°	4	5	5	5	6	7	10	13	18	25	36



REPORT NUMBER: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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	16	21	29
-25°	4	4	5	5	6	7	8	11	14	18	25
-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	6	6	7	9	11	14
-35°	4	4	4	5	5	5	6	6	7	9	12
-37.5°	4	4	4	4	5	5	5	6	7	8	10
-40°	3	4	4	4	5	5	5	5	6	7	8
-42.5°	3	4	4	4	4	5	5	5	6	6	7
-45°	3	3	4	4	4	4	5	5	5	5	6
-47.5°	3	3	4	4	4	4	5	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	4	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	4
-65°	2	2	2	2	2	3	3	3	3	3	3
-67.5°	2	2	2	2	2	2	2	3	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: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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	4	4	4	4
65°	3	3	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	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	6	6	6	7	7	7	8	9	9	10
47.5°	6	6	7	7	8	9	10	11	12	13	13
45°	6	7	8	9	11	12	13	15	16	18	19
42.5°	7	9	10	12	14	16	18	20	23	25	27
40°	9	11	13	15	18	21	25	29	33	37	41
37.5°	12	14	17	20	25	29	36	43	49	56	62
35°	14	18	22	27	34	43	52	62	71	82	92
32.5°	18	22	29	37	48	60	73	88	103	118	134
30°	22	29	39	51	66	82	101	123	147	169	194
27.5°	27	37	51	67	88	110	140	171	207	239	273
25°	34	48	66	88	114	149	190	234	281	330	376
22.5°	43	60	82	110	149	196	249	310	375	442	504
20°	52	73	101	140	190	249	320	401	486	570	650
17.5°	62	88	123	171	234	310	401	501	607	714	812
15°	71	103	147	207	281	375	486	607	736	863	978
12.5°	82	118	169	239	330	442	570	714	863	1007	1136
10°	92	134	194	273	376	504	650	812	978	1136	1265
7.5°	99	146	214	301	416	557	720	898	1076	1235	1357
5°	104	155	228	323	448	598	773	961	1147	1304	1422
2.5°	108	160	237	338	468	625	806	1001	1190	1344	1459
0°	109	162	240	343	474	634	817	1015	1204	1356	1472
-2.5°	108	160	237	338	468	625	806	1001	1190	1344	1459
-5°	104	155	228	323	448	598	773	961	1147	1304	1422
-7.5°	99	146	214	301	416	557	720	898	1076	1235	1357
-10°	92	134	194	273	376	504	650	812	978	1136	1265
-12.5°	82	118	169	239	330	442	570	714	863	1007	1136
-15°	71	103	147	207	281	375	486	607	736	863	978
-17.5°	62	88	123	171	234	310	401	501	607	714	812
-20°	52	73	101	140	190	249	320	401	486	570	650



REPORT NUMBER: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	43	60	82	110	149	196	249	310	375	442	504
-25°	34	48	66	88	114	149	190	234	281	330	376
-27.5°	27	37	51	67	88	110	140	171	207	239	273
-30°	22	29	39	51	66	82	101	123	147	169	194
-32.5°	18	22	29	37	48	60	73	88	103	118	134
-35°	14	18	22	27	34	43	52	62	71	82	92
-37.5°	12	14	17	20	25	29	36	43	49	56	62
-40°	9	11	13	15	18	21	25	29	33	37	41
-42.5°	7	9	10	12	14	16	18	20	23	25	27
-45°	6	7	8	9	11	12	13	15	16	18	19
-47.5°	6	6	7	7	8	9	10	11	12	13	13
-50°	5	6	6	6	7	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	4	4	4	4	4	4	4	4	4
-67.5°	3	3	3	3	3	3	3	4	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: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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	4
65°	4	4	4	4	4	4	4	4	4	4	4
62.5°	5	5	5	5	5	5	5	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	8	8	8	8	8	7	7	7	7	6
50°	10	11	11	11	11	11	10	10	9	9	8
47.5°	14	14	15	15	15	14	14	13	13	12	11
45°	20	20	21	21	21	20	20	19	18	16	15
42.5°	29	30	31	31	31	30	29	27	25	23	20
40°	45	47	48	49	48	47	45	41	37	33	29
37.5°	67	71	73	73	73	71	67	62	56	49	43
35°	99	104	108	109	108	104	99	92	82	71	62
32.5°	146	155	160	162	160	155	146	134	118	103	88
30°	214	228	237	240	237	228	214	194	169	147	123
27.5°	301	323	338	343	338	323	301	273	239	207	171
25°	416	448	468	474	468	448	416	376	330	281	234
22.5°	557	598	625	634	625	598	557	504	442	375	310
20°	720	773	806	817	806	773	720	650	570	486	401
17.5°	898	961	1001	1015	1001	961	898	812	714	607	501
15°	1076	1147	1190	1204	1190	1147	1076	978	863	736	607
12.5°	1235	1304	1344	1356	1344	1304	1235	1136	1007	863	714
10°	1357	1422	1459	1472	1459	1422	1357	1265	1136	978	812
7.5°	1447	1511	1550	1562	1550	1511	1447	1357	1235	1076	898
5°	1511	1575	1595	1599	1595	1575	1511	1422	1304	1147	961
2.5°	1550	1595	1596	1592	1596	1595	1550	1459	1344	1190	1001
0°	1562	1599	1592	1599	1592	1599	1562	1472	1356	1204	1015
-2.5°	1550	1595	1596	1592	1596	1595	1550	1459	1344	1190	1001
-5°	1511	1575	1595	1599	1595	1575	1511	1422	1304	1147	961
-7.5°	1447	1511	1550	1562	1550	1511	1447	1357	1235	1076	898
-10°	1357	1422	1459	1472	1459	1422	1357	1265	1136	978	812
-12.5°	1235	1304	1344	1356	1344	1304	1235	1136	1007	863	714
-15°	1076	1147	1190	1204	1190	1147	1076	978	863	736	607
-17.5°	898	961	1001	1015	1001	961	898	812	714	607	501
-20°	720	773	806	817	806	773	720	650	570	486	401



REPORT NUMBER: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	557	598	625	634	625	598	557	504	442	375	310
-25°	416	448	468	474	468	448	416	376	330	281	234
-27.5°	301	323	338	343	338	323	301	273	239	207	171
-30°	214	228	237	240	237	228	214	194	169	147	123
-32.5°	146	155	160	162	160	155	146	134	118	103	88
-35°	99	104	108	109	108	104	99	92	82	71	62
-37.5°	67	71	73	73	73	71	67	62	56	49	43
-40°	45	47	48	49	48	47	45	41	37	33	29
-42.5°	29	30	31	31	31	30	29	27	25	23	20
-45°	20	20	21	21	21	20	20	19	18	16	15
-47.5°	14	14	15	15	15	14	14	13	13	12	11
-50°	10	11	11	11	11	11	10	10	9	9	8
-52.5°	7	8	8	8	8	8	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°	5	5	5	5	5	5	5	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	4
-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: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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	3
65°	4	4	4	4	4	3	3	3	3	3	3
62.5°	4	4	4	4	4	4	4	4	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	7	6	6	6	5	5	5	5	4
47.5°	10	9	8	7	7	6	6	5	5	5	5
45°	13	12	11	9	8	7	6	6	5	5	5
42.5°	18	16	14	12	10	9	7	7	6	6	5
40°	25	21	18	15	13	11	9	8	7	6	5
37.5°	36	29	25	20	17	14	12	10	8	7	6
35°	52	43	34	27	22	18	14	12	9	7	6
32.5°	73	60	48	37	29	22	18	14	11	9	7
30°	101	82	66	51	39	29	22	17	13	10	8
27.5°	140	110	88	67	51	37	27	20	15	12	9
25°	190	149	114	88	66	48	34	25	18	14	11
22.5°	249	196	149	110	82	60	43	29	21	16	12
20°	320	249	190	140	101	73	52	36	25	18	13
17.5°	401	310	234	171	123	88	62	43	29	20	15
15°	486	375	281	207	147	103	71	49	33	23	16
12.5°	570	442	330	239	169	118	82	56	37	25	18
10°	650	504	376	273	194	134	92	62	41	27	19
7.5°	720	557	416	301	214	146	99	67	45	29	20
5°	773	598	448	323	228	155	104	71	47	30	20
2.5°	806	625	468	338	237	160	108	73	48	31	21
0°	817	634	474	343	240	162	109	73	49	31	21
-2.5°	806	625	468	338	237	160	108	73	48	31	21
-5°	773	598	448	323	228	155	104	71	47	30	20
-7.5°	720	557	416	301	214	146	99	67	45	29	20
-10°	650	504	376	273	194	134	92	62	41	27	19
-12.5°	570	442	330	239	169	118	82	56	37	25	18
-15°	486	375	281	207	147	103	71	49	33	23	16
-17.5°	401	310	234	171	123	88	62	43	29	20	15
-20°	320	249	190	140	101	73	52	36	25	18	13



REPORT NUMBER: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	249	196	149	110	82	60	43	29	21	16	12
-25°	190	149	114	88	66	48	34	25	18	14	11
-27.5°	140	110	88	67	51	37	27	20	15	12	9
-30°	101	82	66	51	39	29	22	17	13	10	8
-32.5°	73	60	48	37	29	22	18	14	11	9	7
-35°	52	43	34	27	22	18	14	12	9	7	6
-37.5°	36	29	25	20	17	14	12	10	8	7	6
-40°	25	21	18	15	13	11	9	8	7	6	5
-42.5°	18	16	14	12	10	9	7	7	6	6	5
-45°	13	12	11	9	8	7	6	6	5	5	5
-47.5°	10	9	8	7	7	6	6	5	5	5	5
-50°	7	7	7	6	6	6	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	4	3	3	3
-65°	4	4	4	4	4	3	3	3	3	3	3
-67.5°	3	3	3	3	3	3	3	3	3	3	3
-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: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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°	4	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°	5	4	4	4	4	3	3	3	2	2	2
45°	5	4	4	4	4	3	3	3	3	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	4	3	3	3	2
35°	6	5	5	5	4	4	4	3	3	3	2
32.5°	6	6	5	5	4	4	4	3	3	3	2
30°	7	6	5	5	5	4	4	4	3	3	2
27.5°	7	6	5	5	5	4	4	4	3	3	2
25°	8	7	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	4	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	5	4	4	3	3
5°	14	11	8	6	5	5	5	4	4	3	3
2.5°	15	11	8	6	5	5	5	4	4	3	3
0°	15	11	8	6	5	5	5	4	4	3	3
-2.5°	15	11	8	6	5	5	5	4	4	3	3
-5°	14	11	8	6	5	5	5	4	4	3	3
-7.5°	14	10	7	6	5	5	5	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	4	3	3
-20°	10	7	6	5	5	5	4	4	3	3	3



REPORT NUMBER: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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	7	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	4	3	3	2
-32.5°	6	6	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	4	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	3	2	2
-47.5°	5	4	4	4	4	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°	4	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: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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: P220390 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-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)