

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: P221140 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LEDCR-W-WT-LC1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221140 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29549)  
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-LEDCR-W-WT-LC1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,  
WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) COLOR CHAGING MODULE, SET TO 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

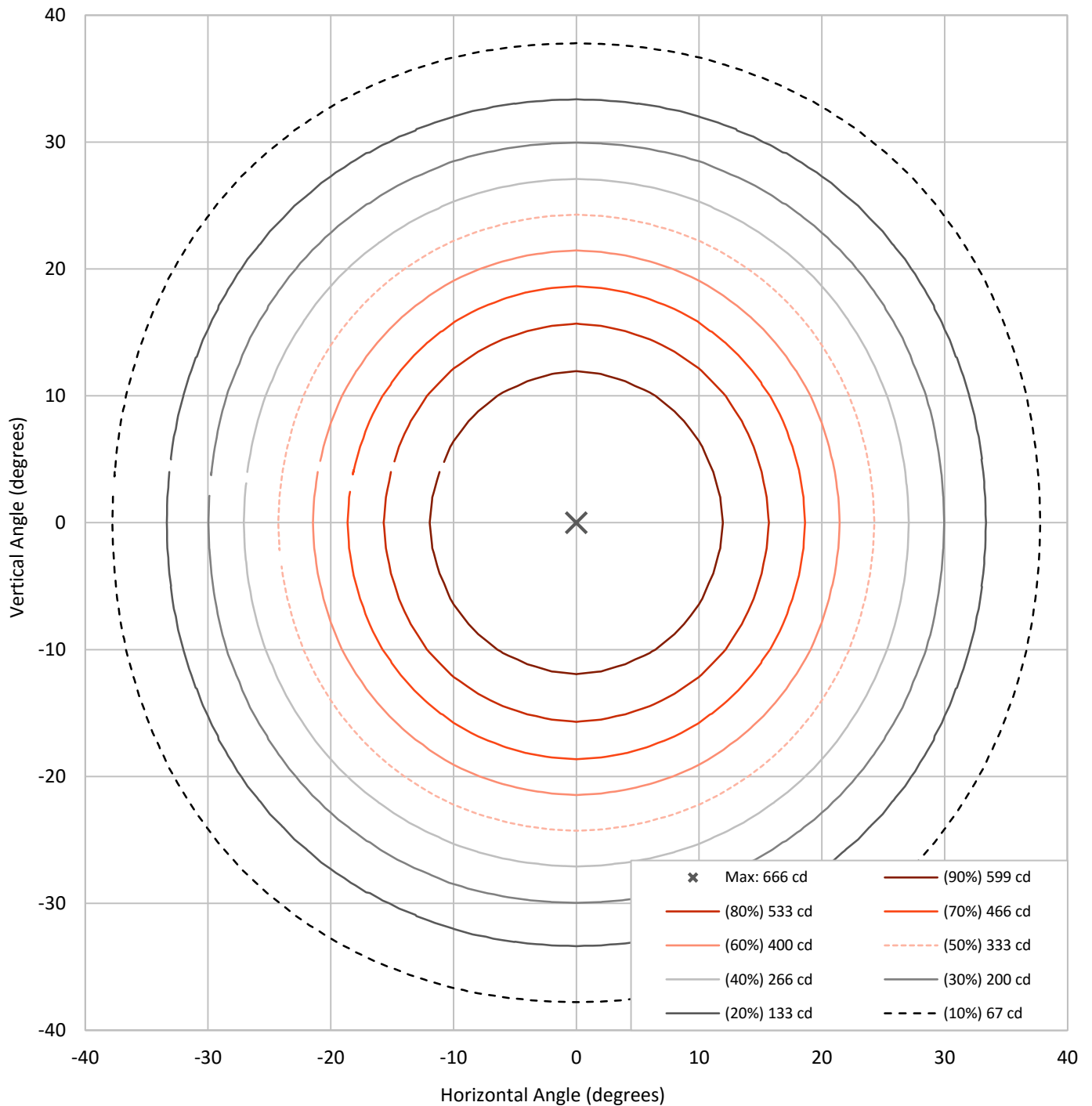
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	433.5 lumens	Max Intensity:	666 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	32.1 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	48.6°H x 48.6°V	Field Angle (10%):	75.5°H x 75.5°V
Beam Lumens:	279.7 lumens	Field Lumens:	413.5 lumens
Beam Efficiency:	64.5%	Field Efficiency:	95.4%
Input Watts (W):	13.5		
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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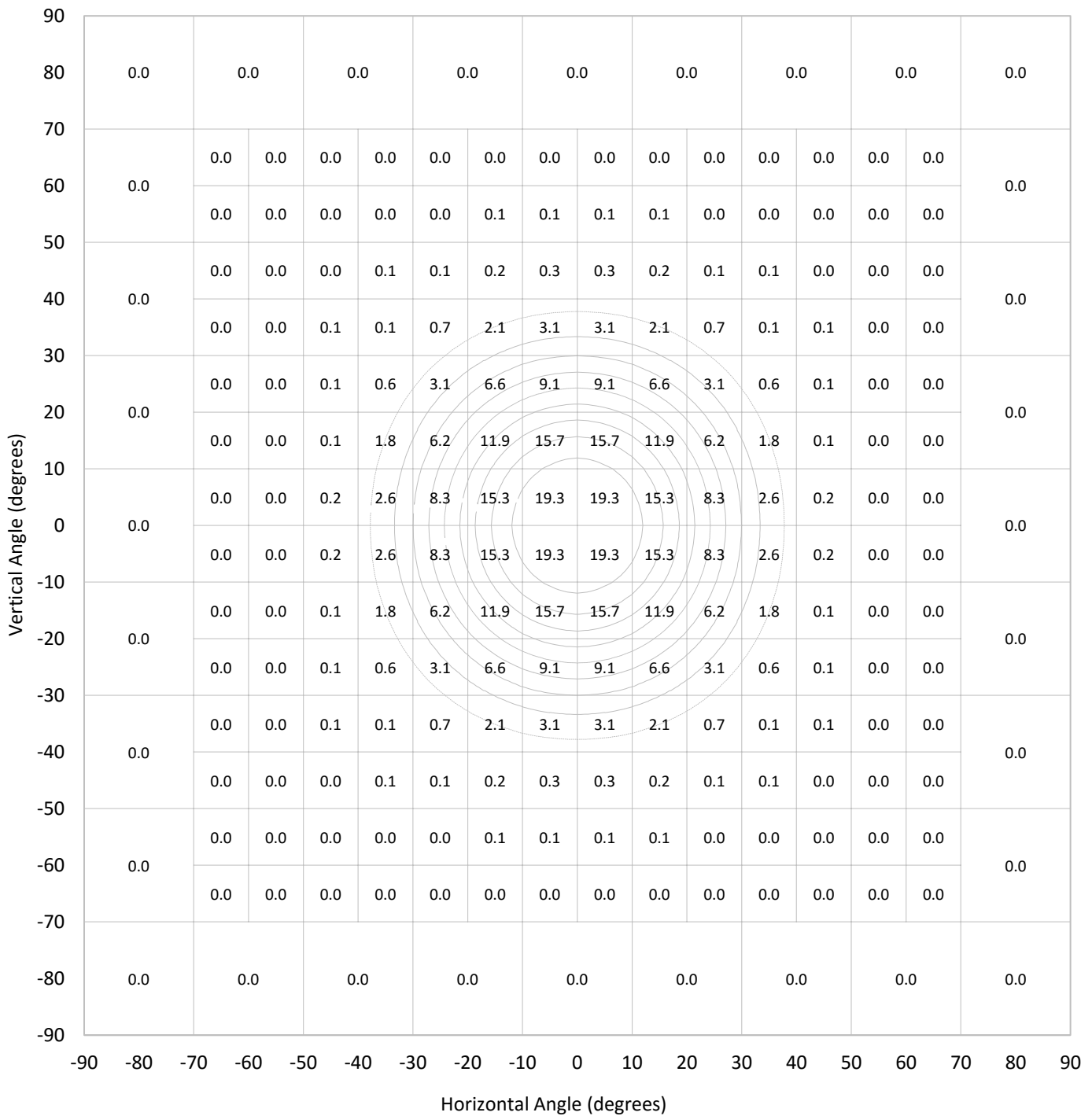
### Iso-Candela Plot





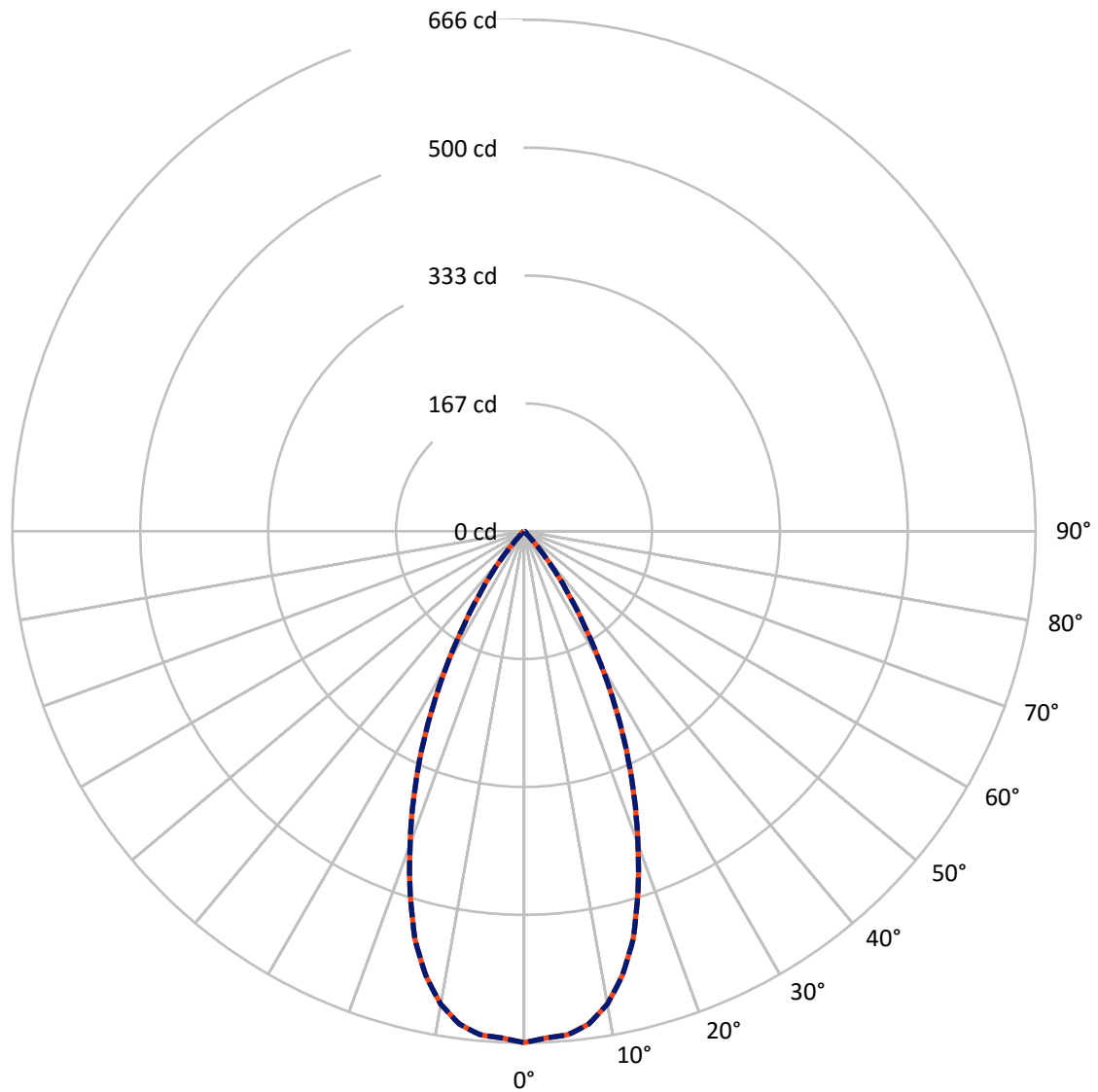
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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LEDCR-W-WT-LC1-UNV

### Lumen Table



REPORT NUMBER: P221140 (CONVERTED FROM TYPE C PHOTOMETRY)  
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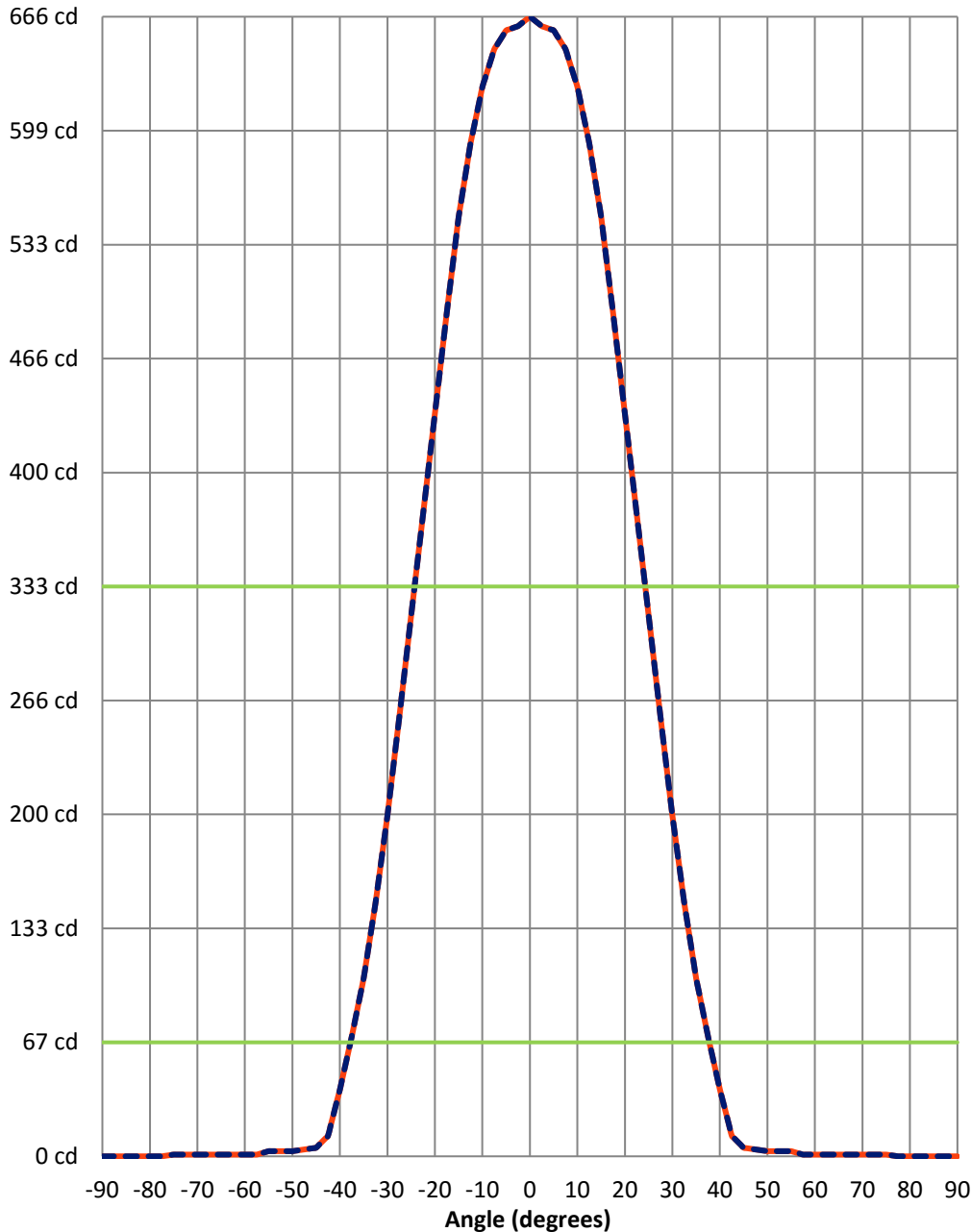
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 48.6°  
 V Angle: 48.6°  
 Lumens: 279.7  
 Efficiency: 64.5%

**Field:**  
 H Angle: 75.5°  
 V Angle: 75.5°  
 Lumens: 413.5  
 Efficiency: 95.4%

**Spill:**  
 Lumens: 20  
 Efficiency: 4.6%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 0-Deg



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LEDCR-W-WT-LC1-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	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	1
52.5°	0	0	0	0	0	0	0	0	0	0	1
50°	0	0	0	0	0	0	0	0	0	1	1
47.5°	0	0	0	0	0	0	0	0	0	1	1
45°	0	0	0	0	0	0	0	0	1	1	1
42.5°	0	0	0	0	0	0	0	0	1	1	1
40°	0	0	0	0	0	0	0	0	1	1	1
37.5°	0	0	0	0	0	0	0	1	1	1	1
35°	0	0	0	0	0	0	0	1	1	1	1
32.5°	0	0	0	0	0	0	0	1	1	1	1
30°	0	0	0	0	0	0	0	1	1	1	1
27.5°	0	0	0	0	0	0	0	1	1	1	1
25°	0	0	0	0	0	0	0	1	1	1	1
22.5°	0	0	0	0	0	0	1	1	1	1	1
20°	0	0	0	0	0	0	1	1	1	1	1
17.5°	0	0	0	0	0	0	1	1	1	1	1
15°	0	0	0	0	0	0	1	1	1	1	1
12.5°	0	0	0	0	0	0	1	1	1	1	1
10°	0	0	0	0	0	0	1	1	1	1	1
7.5°	0	0	0	0	0	0	1	1	1	1	1
5°	0	0	0	0	0	0	1	1	1	1	1
2.5°	0	0	0	0	0	0	1	1	1	1	1
0°	0	0	0	0	0	0	1	1	1	1	1
-2.5°	0	0	0	0	0	0	1	1	1	1	1
-5°	0	0	0	0	0	0	1	1	1	1	1
-7.5°	0	0	0	0	0	0	1	1	1	1	1
-10°	0	0	0	0	0	0	1	1	1	1	1
-12.5°	0	0	0	0	0	0	1	1	1	1	1
-15°	0	0	0	0	0	0	1	1	1	1	1
-17.5°	0	0	0	0	0	0	1	1	1	1	1
-20°	0	0	0	0	0	0	1	1	1	1	1



REPORT NUMBER: P221140 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LEDCR-W-WT-LC1-UNV

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	0	0	0	0	0	1	1	1	1	1
-25°	0	0	0	0	0	0	0	1	1	1	1
-27.5°	0	0	0	0	0	0	0	1	1	1	1
-30°	0	0	0	0	0	0	0	1	1	1	1
-32.5°	0	0	0	0	0	0	0	1	1	1	1
-35°	0	0	0	0	0	0	0	1	1	1	1
-37.5°	0	0	0	0	0	0	0	1	1	1	1
-40°	0	0	0	0	0	0	0	0	1	1	1
-42.5°	0	0	0	0	0	0	0	0	1	1	1
-45°	0	0	0	0	0	0	0	0	1	1	1
-47.5°	0	0	0	0	0	0	0	0	0	1	1
-50°	0	0	0	0	0	0	0	0	0	1	1
-52.5°	0	0	0	0	0	0	0	0	0	0	1
-55°	0	0	0	0	0	0	0	0	0	0	1
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-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: P221140 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LEDCR-W-WT-LC1-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	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	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	1
70°	0	0	0	0	0	0	0	1	1	1	1
67.5°	0	0	0	0	0	1	1	1	1	1	1
65°	0	0	0	1	1	1	1	1	1	1	1
62.5°	0	0	1	1	1	1	1	1	1	1	1
60°	0	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
52.5°	1	1	1	1	1	1	1	1	1	1	1
50°	1	1	1	1	1	1	1	1	1	1	1
47.5°	1	1	1	1	1	1	1	1	1	1	1
45°	1	1	1	1	1	1	1	1	1	1	2
42.5°	1	1	1	1	1	1	1	1	1	3	3
40°	1	1	1	1	1	1	1	1	3	3	3
37.5°	1	1	1	1	1	1	1	2	3	3	3
35°	1	1	1	1	1	1	2	3	3	3	3
32.5°	1	1	1	1	1	1	3	3	3	3	4
30°	1	1	1	1	1	2	3	3	3	4	4
27.5°	1	1	1	1	1	3	3	3	3	4	5
25°	1	1	1	1	2	3	3	3	4	5	8
22.5°	1	1	1	1	2	3	3	3	4	5	11
20°	1	1	1	1	3	3	3	4	5	8	20
17.5°	1	1	1	2	3	3	3	4	5	10	30
15°	1	1	1	2	3	3	3	4	6	14	39
12.5°	1	1	1	2	3	3	4	4	8	22	48
10°	1	1	1	3	3	3	4	5	9	28	56
7.5°	1	1	1	3	3	3	4	5	11	33	62
5°	1	1	1	3	3	3	4	5	11	36	66
2.5°	1	1	1	3	3	3	4	5	12	38	69
0°	1	1	1	3	3	3	4	5	12	39	70
-2.5°	1	1	1	3	3	3	4	5	12	38	69
-5°	1	1	1	3	3	3	4	5	11	36	66
-7.5°	1	1	1	3	3	3	4	5	11	33	62
-10°	1	1	1	3	3	3	4	5	9	28	56
-12.5°	1	1	1	2	3	3	4	4	8	22	48
-15°	1	1	1	2	3	3	3	4	6	14	39
-17.5°	1	1	1	2	3	3	3	4	5	10	30
-20°	1	1	1	1	3	3	3	4	5	8	20



REPORT NUMBER: P221140 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LEDCR-W-WT-LC1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1	1	1	1	2	3	3	3	4	5	11
-25°	1	1	1	1	2	3	3	3	4	5	8
-27.5°	1	1	1	1	1	3	3	3	3	4	5
-30°	1	1	1	1	1	2	3	3	3	4	4
-32.5°	1	1	1	1	1	1	3	3	3	3	4
-35°	1	1	1	1	1	1	2	3	3	3	3
-37.5°	1	1	1	1	1	1	1	2	3	3	3
-40°	1	1	1	1	1	1	1	1	3	3	3
-42.5°	1	1	1	1	1	1	1	1	1	3	3
-45°	1	1	1	1	1	1	1	1	1	1	2
-47.5°	1	1	1	1	1	1	1	1	1	1	1
-50°	1	1	1	1	1	1	1	1	1	1	1
-52.5°	1	1	1	1	1	1	1	1	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-60°	0	1	1	1	1	1	1	1	1	1	1
-62.5°	0	0	1	1	1	1	1	1	1	1	1
-65°	0	0	0	1	1	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	0	1	1	1	1
-72.5°	0	0	0	0	0	0	0	0	0	0	1
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-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: P221140 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LEDCR-W-WT-LC1-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	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	0	0
75°	0	0	0	0	0	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	2	2	2	3
52.5°	1	1	1	1	2	2	3	3	3	3	3
50°	1	1	2	3	3	3	3	3	3	3	3
47.5°	2	3	3	3	3	3	3	3	3	4	4
45°	3	3	3	3	3	3	4	4	4	4	5
42.5°	3	3	3	3	4	4	5	5	6	8	9
40°	3	3	4	4	5	5	8	10	14	22	28
37.5°	3	4	4	5	8	11	20	30	39	48	56
35°	4	4	6	9	17	30	43	56	68	78	87
32.5°	4	6	10	22	37	54	69	84	98	112	124
30°	6	10	24	41	60	79	97	116	135	153	169
27.5°	9	22	41	62	84	105	130	154	178	199	220
25°	17	37	60	84	108	137	166	195	225	250	273
22.5°	30	54	79	105	137	170	205	240	272	302	327
20°	43	69	97	130	166	205	245	284	320	352	381
17.5°	56	84	116	154	195	240	284	326	366	401	432
15°	68	98	135	178	225	272	320	366	408	447	482
12.5°	78	112	153	199	250	302	352	401	447	490	528
10°	87	124	169	220	273	327	381	432	482	528	566
7.5°	95	135	182	236	291	347	403	457	511	558	592
5°	100	142	191	247	305	363	420	477	532	577	610
2.5°	103	146	197	254	313	372	430	489	545	589	621
0°	104	148	199	257	316	375	434	493	549	592	625
-2.5°	103	146	197	254	313	372	430	489	545	589	621
-5°	100	142	191	247	305	363	420	477	532	577	610
-7.5°	95	135	182	236	291	347	403	457	511	558	592
-10°	87	124	169	220	273	327	381	432	482	528	566
-12.5°	78	112	153	199	250	302	352	401	447	490	528
-15°	68	98	135	178	225	272	320	366	408	447	482
-17.5°	56	84	116	154	195	240	284	326	366	401	432
-20°	43	69	97	130	166	205	245	284	320	352	381



REPORT NUMBER: P221140 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LEDCR-W-WT-LC1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	30	54	79	105	137	170	205	240	272	302	327
-25°	17	37	60	84	108	137	166	195	225	250	273
-27.5°	9	22	41	62	84	105	130	154	178	199	220
-30°	6	10	24	41	60	79	97	116	135	153	169
-32.5°	4	6	10	22	37	54	69	84	98	112	124
-35°	4	4	6	9	17	30	43	56	68	78	87
-37.5°	3	4	4	5	8	11	20	30	39	48	56
-40°	3	3	4	4	5	5	8	10	14	22	28
-42.5°	3	3	3	3	4	4	5	5	6	8	9
-45°	3	3	3	3	3	3	4	4	4	4	5
-47.5°	2	3	3	3	3	3	3	3	3	4	4
-50°	1	1	2	3	3	3	3	3	3	3	3
-52.5°	1	1	1	1	2	2	3	3	3	3	3
-55°	1	1	1	1	1	1	1	2	2	2	3
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	0	0	0	0	0	1	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-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: P221140 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LEDCR-W-WT-LC1-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°	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	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°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
55°	3	3	3	3	3	3	3	3	2	2	2
52.5°	3	3	3	3	3	3	3	3	3	3	3
50°	3	3	3	3	3	3	3	3	3	3	3
47.5°	4	4	4	4	4	4	4	4	4	3	3
45°	5	5	5	5	5	5	5	5	4	4	4
42.5°	11	11	12	12	12	11	11	9	8	6	5
40°	33	36	38	39	38	36	33	28	22	14	10
37.5°	62	66	69	70	69	66	62	56	48	39	30
35°	95	100	103	104	103	100	95	87	78	68	56
32.5°	135	142	146	148	146	142	135	124	112	98	84
30°	182	191	197	199	197	191	182	169	153	135	116
27.5°	236	247	254	257	254	247	236	220	199	178	154
25°	291	305	313	316	313	305	291	273	250	225	195
22.5°	347	363	372	375	372	363	347	327	302	272	240
20°	403	420	430	434	430	420	403	381	352	320	284
17.5°	457	477	489	493	489	477	457	432	401	366	326
15°	511	532	545	549	545	532	511	482	447	408	366
12.5°	558	577	589	592	589	577	558	528	490	447	401
10°	592	610	621	625	621	610	592	566	528	482	432
7.5°	617	635	644	647	644	635	617	592	558	511	457
5°	635	650	656	658	656	650	635	610	577	532	477
2.5°	644	656	660	661	660	656	644	621	589	545	489
0°	647	658	661	666	661	658	647	625	592	549	493
-2.5°	644	656	660	661	660	656	644	621	589	545	489
-5°	635	650	656	658	656	650	635	610	577	532	477
-7.5°	617	635	644	647	644	635	617	592	558	511	457
-10°	592	610	621	625	621	610	592	566	528	482	432
-12.5°	558	577	589	592	589	577	558	528	490	447	401
-15°	511	532	545	549	545	532	511	482	447	408	366
-17.5°	457	477	489	493	489	477	457	432	401	366	326
-20°	403	420	430	434	430	420	403	381	352	320	284



REPORT NUMBER: P221140 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LEDCR-W-WT-LC1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	347	363	372	375	372	363	347	327	302	272	240
-25°	291	305	313	316	313	305	291	273	250	225	195
-27.5°	236	247	254	257	254	247	236	220	199	178	154
-30°	182	191	197	199	197	191	182	169	153	135	116
-32.5°	135	142	146	148	146	142	135	124	112	98	84
-35°	95	100	103	104	103	100	95	87	78	68	56
-37.5°	62	66	69	70	69	66	62	56	48	39	30
-40°	33	36	38	39	38	36	33	28	22	14	10
-42.5°	11	11	12	12	12	11	11	9	8	6	5
-45°	5	5	5	5	5	5	5	5	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	3	3
-50°	3	3	3	3	3	3	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	2	2	2
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	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°	0	0	0	0	0	0	0	0	0	0	0
-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: P221140 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LEDCR-W-WT-LC1-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°	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	0	0
75°	1	1	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	0	0	0
70°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
52.5°	3	2	2	1	1	1	1	1	1	1	1
50°	3	3	3	3	2	1	1	1	1	1	1
47.5°	3	3	3	3	3	3	2	1	1	1	1
45°	4	3	3	3	3	3	3	2	1	1	1
42.5°	5	4	4	3	3	3	3	3	3	1	1
40°	8	5	5	4	4	3	3	3	3	3	1
37.5°	20	11	8	5	4	4	3	3	3	3	2
35°	43	30	17	9	6	4	4	3	3	3	3
32.5°	69	54	37	22	10	6	4	4	3	3	3
30°	97	79	60	41	24	10	6	4	4	3	3
27.5°	130	105	84	62	41	22	9	5	4	3	3
25°	166	137	108	84	60	37	17	8	5	4	3
22.5°	205	170	137	105	79	54	30	11	5	4	3
20°	245	205	166	130	97	69	43	20	8	5	4
17.5°	284	240	195	154	116	84	56	30	10	5	4
15°	320	272	225	178	135	98	68	39	14	6	4
12.5°	352	302	250	199	153	112	78	48	22	8	4
10°	381	327	273	220	169	124	87	56	28	9	5
7.5°	403	347	291	236	182	135	95	62	33	11	5
5°	420	363	305	247	191	142	100	66	36	11	5
2.5°	430	372	313	254	197	146	103	69	38	12	5
0°	434	375	316	257	199	148	104	70	39	12	5
-2.5°	430	372	313	254	197	146	103	69	38	12	5
-5°	420	363	305	247	191	142	100	66	36	11	5
-7.5°	403	347	291	236	182	135	95	62	33	11	5
-10°	381	327	273	220	169	124	87	56	28	9	5
-12.5°	352	302	250	199	153	112	78	48	22	8	4
-15°	320	272	225	178	135	98	68	39	14	6	4
-17.5°	284	240	195	154	116	84	56	30	10	5	4
-20°	245	205	166	130	97	69	43	20	8	5	4



REPORT NUMBER: P221140 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LEDCR-W-WT-LC1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	205	170	137	105	79	54	30	11	5	4	3
-25°	166	137	108	84	60	37	17	8	5	4	3
-27.5°	130	105	84	62	41	22	9	5	4	3	3
-30°	97	79	60	41	24	10	6	4	4	3	3
-32.5°	69	54	37	22	10	6	4	4	3	3	3
-35°	43	30	17	9	6	4	4	3	3	3	3
-37.5°	20	11	8	5	4	4	3	3	3	3	2
-40°	8	5	5	4	4	3	3	3	3	3	1
-42.5°	5	4	4	3	3	3	3	3	3	1	1
-45°	4	3	3	3	3	3	3	2	1	1	1
-47.5°	3	3	3	3	3	3	2	1	1	1	1
-50°	3	3	3	3	2	1	1	1	1	1	1
-52.5°	3	2	2	1	1	1	1	1	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	0	0	0
-75°	1	1	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-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: P221140 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LEDCR-W-WT-LC1-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°	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	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	1	1	0	0	0	0	0	0	0	0	0
65°	1	1	1	1	0	0	0	0	0	0	0
62.5°	1	1	1	1	1	0	0	0	0	0	0
60°	1	1	1	1	1	1	0	0	0	0	0
57.5°	1	1	1	1	1	1	1	0	0	0	0
55°	1	1	1	1	1	1	1	1	0	0	0
52.5°	1	1	1	1	1	1	1	1	0	0	0
50°	1	1	1	1	1	1	1	1	1	0	0
47.5°	1	1	1	1	1	1	1	1	1	0	0
45°	1	1	1	1	1	1	1	1	1	1	0
42.5°	1	1	1	1	1	1	1	1	1	1	0
40°	1	1	1	1	1	1	1	1	1	1	0
37.5°	1	1	1	1	1	1	1	1	1	1	1
35°	2	1	1	1	1	1	1	1	1	1	1
32.5°	3	1	1	1	1	1	1	1	1	1	1
30°	3	2	1	1	1	1	1	1	1	1	1
27.5°	3	3	1	1	1	1	1	1	1	1	1
25°	3	3	2	1	1	1	1	1	1	1	1
22.5°	3	3	2	1	1	1	1	1	1	1	1
20°	3	3	3	1	1	1	1	1	1	1	1
17.5°	3	3	3	2	1	1	1	1	1	1	1
15°	3	3	3	2	1	1	1	1	1	1	1
12.5°	4	3	3	2	1	1	1	1	1	1	1
10°	4	3	3	3	1	1	1	1	1	1	1
7.5°	4	3	3	3	1	1	1	1	1	1	1
5°	4	3	3	3	1	1	1	1	1	1	1
2.5°	4	3	3	3	1	1	1	1	1	1	1
0°	4	3	3	3	1	1	1	1	1	1	1
-2.5°	4	3	3	3	1	1	1	1	1	1	1
-5°	4	3	3	3	1	1	1	1	1	1	1
-7.5°	4	3	3	3	1	1	1	1	1	1	1
-10°	4	3	3	3	1	1	1	1	1	1	1
-12.5°	4	3	3	2	1	1	1	1	1	1	1
-15°	3	3	3	2	1	1	1	1	1	1	1
-17.5°	3	3	3	2	1	1	1	1	1	1	1
-20°	3	3	3	1	1	1	1	1	1	1	1



REPORT NUMBER: P221140 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LEDCR-W-WT-LC1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3	3	2	1	1	1	1	1	1	1	1
-25°	3	3	2	1	1	1	1	1	1	1	1
-27.5°	3	3	1	1	1	1	1	1	1	1	1
-30°	3	2	1	1	1	1	1	1	1	1	1
-32.5°	3	1	1	1	1	1	1	1	1	1	1
-35°	2	1	1	1	1	1	1	1	1	1	1
-37.5°	1	1	1	1	1	1	1	1	1	1	1
-40°	1	1	1	1	1	1	1	1	1	1	0
-42.5°	1	1	1	1	1	1	1	1	1	1	0
-45°	1	1	1	1	1	1	1	1	1	1	0
-47.5°	1	1	1	1	1	1	1	1	1	0	0
-50°	1	1	1	1	1	1	1	1	1	0	0
-52.5°	1	1	1	1	1	1	1	1	0	0	0
-55°	1	1	1	1	1	1	1	1	0	0	0
-57.5°	1	1	1	1	1	1	1	0	0	0	0
-60°	1	1	1	1	1	1	0	0	0	0	0
-62.5°	1	1	1	1	1	0	0	0	0	0	0
-65°	1	1	1	1	0	0	0	0	0	0	0
-67.5°	1	1	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-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: P221140 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LEDCR-W-WT-LC1-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°	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0
22.5°	1	0	0	0	0	0	0
20°	1	0	0	0	0	0	0
17.5°	1	0	0	0	0	0	0
15°	1	0	0	0	0	0	0
12.5°	1	0	0	0	0	0	0
10°	1	0	0	0	0	0	0
7.5°	1	0	0	0	0	0	0
5°	1	0	0	0	0	0	0
2.5°	1	0	0	0	0	0	0
0°	1	0	0	0	0	0	0
-2.5°	1	0	0	0	0	0	0
-5°	1	0	0	0	0	0	0
-7.5°	1	0	0	0	0	0	0
-10°	1	0	0	0	0	0	0
-12.5°	1	0	0	0	0	0	0
-15°	1	0	0	0	0	0	0
-17.5°	1	0	0	0	0	0	0
-20°	1	0	0	0	0	0	0



REPORT NUMBER: P221140 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LEDCR-W-WT-LC1-UNV

**CANDELA DISTRIBUTION (continued):**

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