

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: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29417)
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-S-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	366.4 lumens	Max Intensity:	4624.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	36.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	14.3°H x 14.3°V	Field Angle (10%):	25.1°H x 25.1°V
Beam Lumens:	146.5 lumens	Field Lumens:	275.4 lumens
Beam Efficiency:	40.0%	Field Efficiency:	75.2%

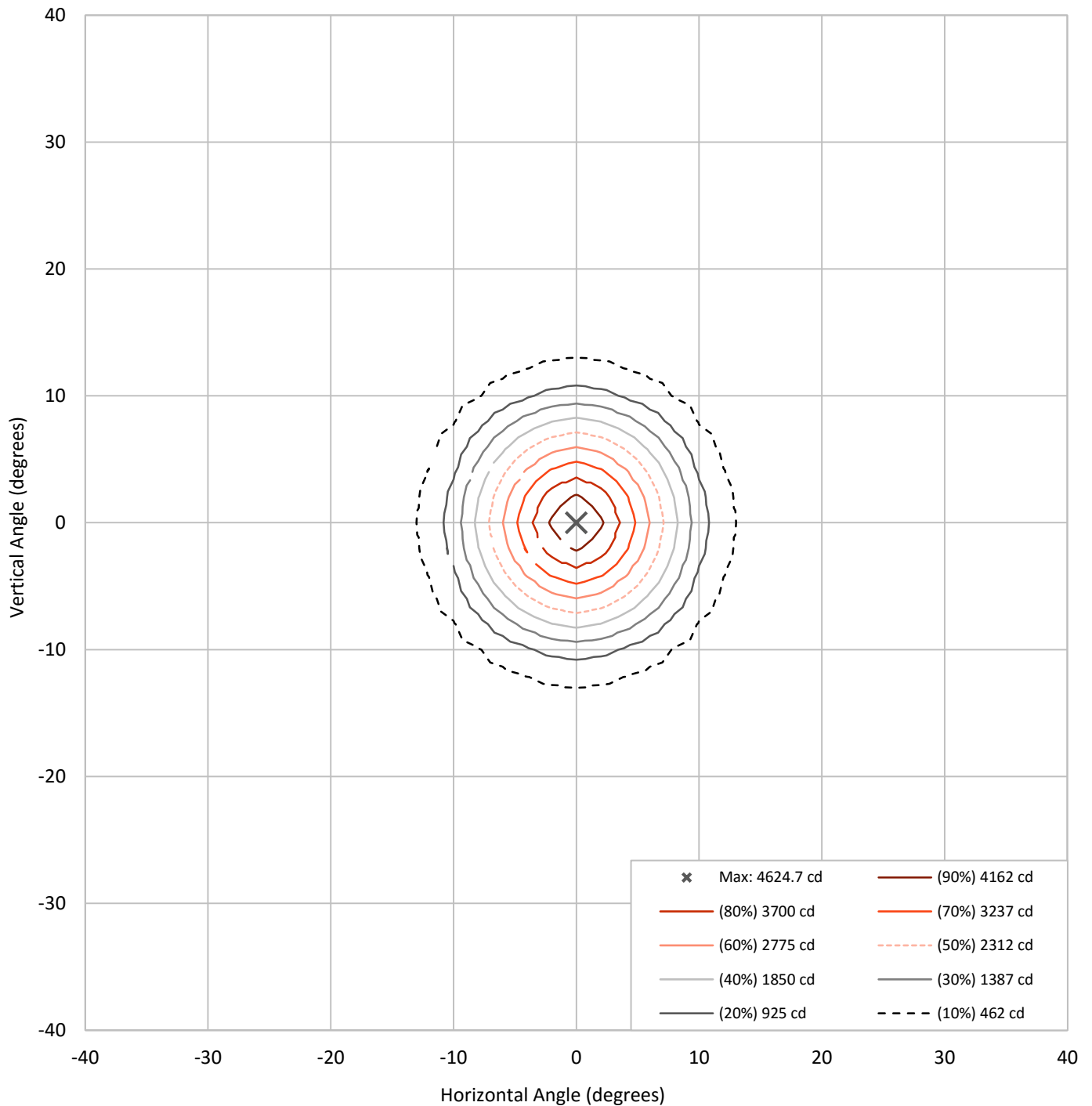
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Iso-Candela Plot





REPORT NUMBER: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)

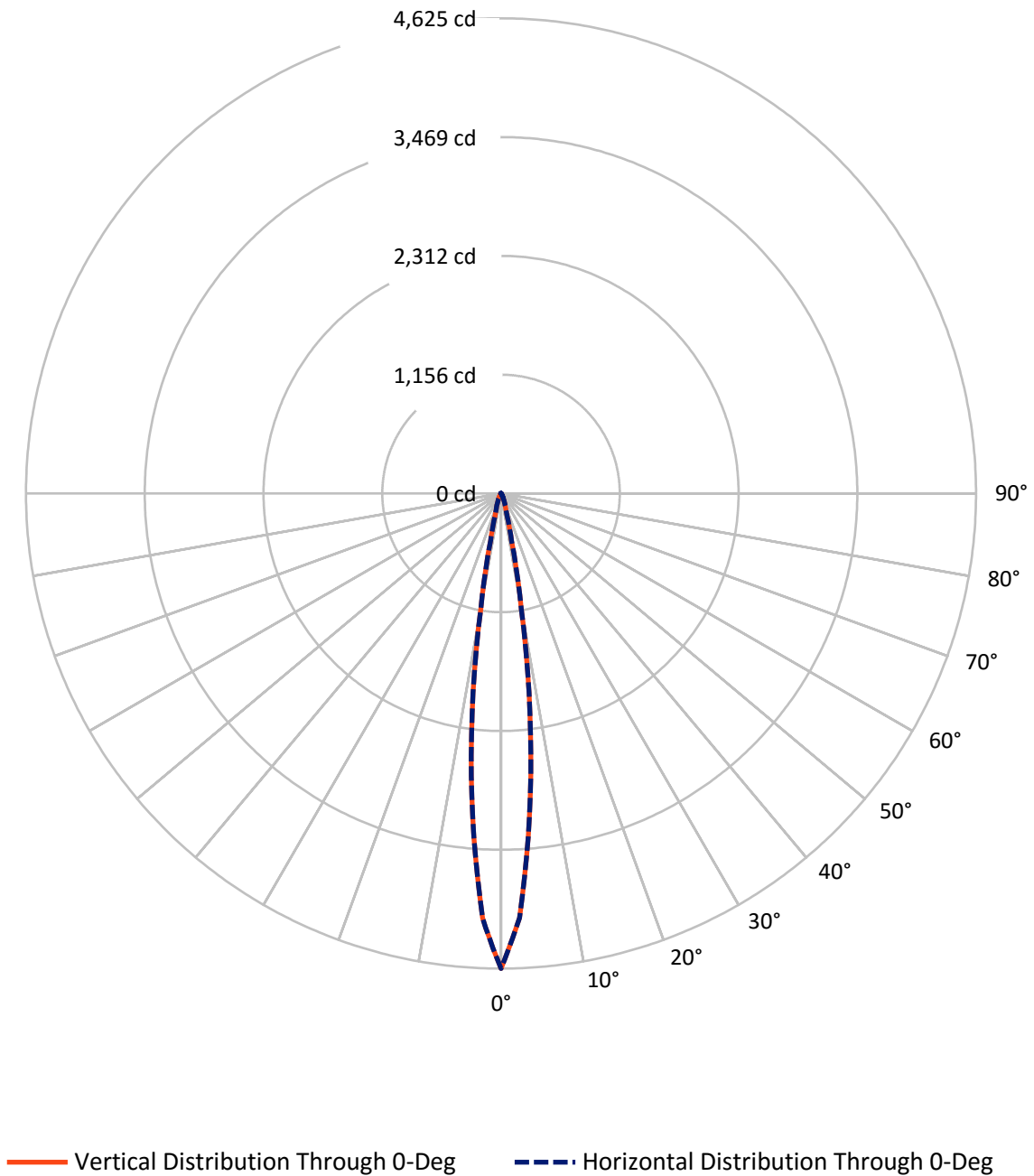
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-S-WT-L1-UNV

Lumen Table

90	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0										
80	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0										
70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0				
60		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					
50	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				
40		0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.1					
30	0.0	0.0	0.1	0.1	0.1	0.3	0.8	1.6	1.6	0.8	0.3	0.1	0.1	0.1	0.0				
20		0.0	0.1	0.1	0.2	0.8	3.0	8.3	8.3	3.0	0.8	0.2	0.1	0.1					
10	0.0	0.0	0.1	0.1	0.3	1.4	8.1	63.5	63.5	8.1	1.4	0.3	0.1	0.1	0.0				
0		0.0	0.1	0.1	0.3	1.4	8.1	63.5	63.5	8.1	1.4	0.3	0.1	0.1					
-10	0.0	0.0	0.1	0.1	0.2	0.8	3.0	8.3	8.3	3.0	0.8	0.2	0.1	0.1	0.0				
-20		0.0	0.1	0.1	0.1	0.3	0.8	1.6	1.6	0.8	0.3	0.1	0.1	0.1					
-30	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0				
-40		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					
-50	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0				
-60		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0					
-70	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				
-80		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0					
-90	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

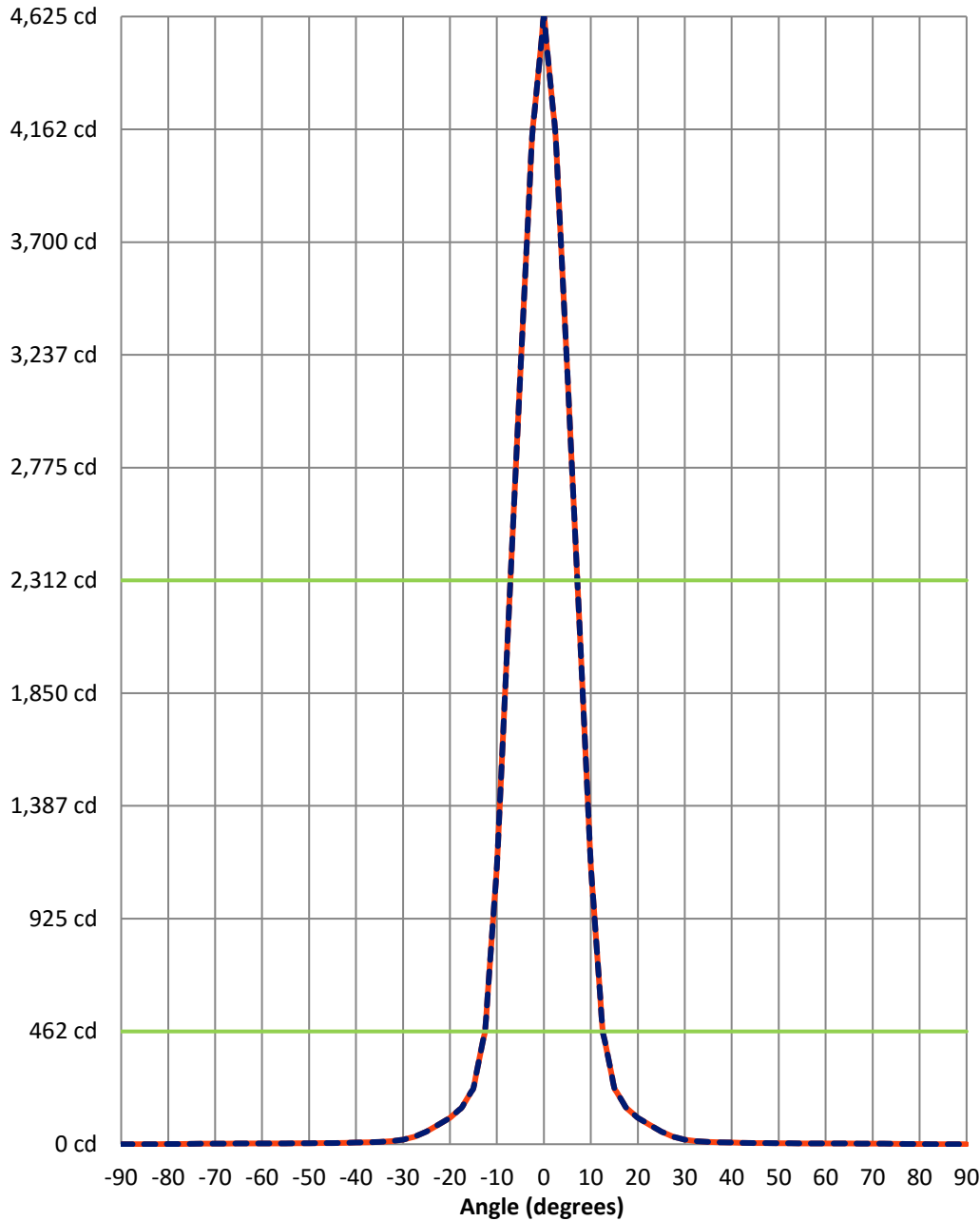
REPORT NUMBER: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-S-WT-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-S-WT-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 14.3°
 V Angle: 14.3°
 Lumens: 146.5
 Efficiency: 40.0%

Field:
 H Angle: 25.1°
 V Angle: 25.1°
 Lumens: 275.4
 Efficiency: 75.2%

Spill:
 Lumens: 91
 Efficiency: 24.8%

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



REPORT NUMBER: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-S-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	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	1
65°	0	0	0	0	0	0	0	0	0	1	1
62.5°	0	0	0	0	0	0	0	0	1	1	1
60°	0	0	0	0	0	0	0	0	1	1	1
57.5°	0	0	0	0	0	0	0	1	1	1	1
55°	0	0	0	0	0	0	0	1	1	1	1
52.5°	0	0	0	0	0	0	1	1	1	1	1
50°	0	0	0	0	0	0	1	1	1	1	2
47.5°	0	0	0	0	0	0	1	1	1	1	2
45°	0	0	0	0	0	0	1	1	1	2	2
42.5°	0	0	0	0	0	1	1	1	1	2	2
40°	0	0	0	0	0	1	1	1	2	2	2
37.5°	0	0	0	0	0	1	1	1	2	2	2
35°	0	0	0	0	0	1	1	1	2	2	2
32.5°	0	0	0	0	0	1	1	1	2	2	2
30°	0	0	0	0	0	1	1	2	2	2	2
27.5°	0	0	0	0	0	1	1	2	2	2	2
25°	0	0	0	0	0	1	1	2	2	2	2
22.5°	0	0	0	0	1	1	1	2	2	2	2
20°	0	0	0	0	1	1	1	2	2	2	3
17.5°	0	0	0	0	1	1	1	2	2	2	3
15°	0	0	0	0	1	1	1	2	2	2	3
12.5°	0	0	0	0	1	1	1	2	2	2	3
10°	0	0	0	0	1	1	1	2	2	2	3
7.5°	0	0	0	0	1	1	1	2	2	2	3
5°	0	0	0	0	1	1	1	2	2	2	3
2.5°	0	0	0	0	1	1	1	2	2	2	3
0°	0	0	0	0	1	1	2	2	2	2	3
-2.5°	0	0	0	0	1	1	1	2	2	2	3
-5°	0	0	0	0	1	1	1	2	2	2	3
-7.5°	0	0	0	0	1	1	1	2	2	2	3
-10°	0	0	0	0	1	1	1	2	2	2	3
-12.5°	0	0	0	0	1	1	1	2	2	2	3
-15°	0	0	0	0	1	1	1	2	2	2	3
-17.5°	0	0	0	0	1	1	1	2	2	2	3
-20°	0	0	0	0	1	1	1	2	2	2	3



REPORT NUMBER: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-S-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	0	0	1	1	1	2	2	2	2
-25°	0	0	0	0	0	1	1	2	2	2	2
-27.5°	0	0	0	0	0	1	1	2	2	2	2
-30°	0	0	0	0	0	1	1	2	2	2	2
-32.5°	0	0	0	0	0	1	1	1	2	2	2
-35°	0	0	0	0	0	1	1	1	2	2	2
-37.5°	0	0	0	0	0	1	1	1	2	2	2
-40°	0	0	0	0	0	1	1	1	2	2	2
-42.5°	0	0	0	0	0	1	1	1	1	2	2
-45°	0	0	0	0	0	0	1	1	1	2	2
-47.5°	0	0	0	0	0	0	1	1	1	1	2
-50°	0	0	0	0	0	0	1	1	1	1	2
-52.5°	0	0	0	0	0	0	1	1	1	1	1
-55°	0	0	0	0	0	0	0	1	1	1	1
-57.5°	0	0	0	0	0	0	0	1	1	1	1
-60°	0	0	0	0	0	0	0	0	1	1	1
-62.5°	0	0	0	0	0	0	0	0	1	1	1
-65°	0	0	0	0	0	0	0	0	0	1	1
-67.5°	0	0	0	0	0	0	0	0	0	0	1
-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: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-S-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	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	1	1	1
75°	0	0	0	0	1	1	1	1	1	1	1
72.5°	0	0	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	2	2
67.5°	1	1	1	1	1	1	1	2	2	2	2
65°	1	1	1	1	1	2	2	2	2	2	2
62.5°	1	1	1	2	2	2	2	2	2	2	2
60°	1	1	2	2	2	2	2	2	2	2	3
57.5°	1	2	2	2	2	2	2	2	3	3	3
55°	2	2	2	2	2	2	2	3	3	3	3
52.5°	2	2	2	2	2	2	3	3	3	3	3
50°	2	2	2	2	2	3	3	3	3	3	3
47.5°	2	2	2	2	3	3	3	3	3	3	3
45°	2	2	2	3	3	3	3	3	3	3	3
42.5°	2	2	3	3	3	3	3	3	3	3	3
40°	2	2	3	3	3	3	3	3	3	3	4
37.5°	2	3	3	3	3	3	3	3	3	4	4
35°	2	3	3	3	3	3	3	3	4	4	4
32.5°	2	3	3	3	3	3	3	4	4	4	4
30°	3	3	3	3	3	3	3	4	4	4	5
27.5°	3	3	3	3	3	3	4	4	4	5	5
25°	3	3	3	3	3	3	4	4	4	5	5
22.5°	3	3	3	3	3	4	4	4	5	5	5
20°	3	3	3	3	3	4	4	4	5	5	6
17.5°	3	3	3	3	3	4	4	5	5	5	6
15°	3	3	3	3	3	4	4	5	5	6	7
12.5°	3	3	3	3	4	4	4	5	5	6	7
10°	3	3	3	3	4	4	4	5	5	6	7
7.5°	3	3	3	3	4	4	4	5	5	7	8
5°	3	3	3	3	4	4	5	5	5	7	8
2.5°	3	3	3	3	4	4	5	5	5	7	8
0°	3	3	3	3	4	4	5	5	5	7	8
-2.5°	3	3	3	3	4	4	5	5	5	7	8
-5°	3	3	3	3	4	4	5	5	5	7	8
-7.5°	3	3	3	3	4	4	4	5	5	7	8
-10°	3	3	3	3	4	4	4	5	5	6	7
-12.5°	3	3	3	3	4	4	4	5	5	6	7
-15°	3	3	3	3	3	4	4	5	5	6	7
-17.5°	3	3	3	3	3	4	4	5	5	5	6
-20°	3	3	3	3	3	4	4	4	5	5	6



REPORT NUMBER: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-S-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°	3	3	3	3	3	4	4	4	5	5	5
-25°	3	3	3	3	3	3	4	4	4	5	5
-27.5°	3	3	3	3	3	3	4	4	4	5	5
-30°	3	3	3	3	3	3	3	4	4	4	5
-32.5°	2	3	3	3	3	3	3	4	4	4	4
-35°	2	3	3	3	3	3	3	3	4	4	4
-37.5°	2	3	3	3	3	3	3	3	3	4	4
-40°	2	2	3	3	3	3	3	3	3	3	4
-42.5°	2	2	3	3	3	3	3	3	3	3	3
-45°	2	2	2	3	3	3	3	3	3	3	3
-47.5°	2	2	2	2	3	3	3	3	3	3	3
-50°	2	2	2	2	2	3	3	3	3	3	3
-52.5°	2	2	2	2	2	2	3	3	3	3	3
-55°	2	2	2	2	2	2	2	3	3	3	3
-57.5°	1	2	2	2	2	2	2	2	3	3	3
-60°	1	1	2	2	2	2	2	2	2	2	3
-62.5°	1	1	1	2	2	2	2	2	2	2	2
-65°	1	1	1	1	1	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	2	2	2	2
-70°	1	1	1	1	1	1	1	1	1	2	2
-72.5°	0	0	1	1	1	1	1	1	1	1	1
-75°	0	0	0	0	1	1	1	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	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: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-S-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	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	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	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	3	3	3	3	3
62.5°	2	2	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	3	3	3	4	4
50°	3	3	3	3	3	4	4	4	4	4	4
47.5°	3	3	3	4	4	4	4	4	4	4	4
45°	3	4	4	4	4	4	4	5	5	5	5
42.5°	4	4	4	4	4	5	5	5	5	5	5
40°	4	4	4	5	5	5	5	5	6	6	6
37.5°	4	4	5	5	5	5	6	6	7	7	7
35°	5	5	5	5	6	6	7	7	8	8	9
32.5°	5	5	5	6	7	7	8	8	9	10	11
30°	5	5	6	7	7	8	9	10	11	13	15
27.5°	5	6	7	8	8	9	11	13	16	18	23
25°	6	7	7	8	10	12	15	18	24	30	37
22.5°	6	7	8	9	12	15	20	27	37	47	57
20°	7	8	9	11	15	20	28	41	54	69	82
17.5°	7	8	10	13	18	27	41	57	75	92	107
15°	8	9	11	16	24	37	54	75	96	118	142
12.5°	8	10	13	18	30	47	69	92	118	148	199
10°	9	11	15	23	37	57	82	107	142	199	283
7.5°	9	11	16	26	43	67	93	125	175	257	473
5°	9	12	18	29	48	74	101	139	205	344	758
2.5°	9	12	18	30	51	78	106	147	224	430	1037
0°	9	12	19	31	52	80	108	150	230	469	1141
-2.5°	9	12	18	30	51	78	106	147	224	430	1037
-5°	9	12	18	29	48	74	101	139	205	344	758
-7.5°	9	11	16	26	43	67	93	125	175	257	473
-10°	9	11	15	23	37	57	82	107	142	199	283
-12.5°	8	10	13	18	30	47	69	92	118	148	199
-15°	8	9	11	16	24	37	54	75	96	118	142
-17.5°	7	8	10	13	18	27	41	57	75	92	107
-20°	7	8	9	11	15	20	28	41	54	69	82



REPORT NUMBER: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6	7	8	9	12	15	20	27	37	47	57
-25°	6	7	7	8	10	12	15	18	24	30	37
-27.5°	5	6	7	8	8	9	11	13	16	18	23
-30°	5	5	6	7	7	8	9	10	11	13	15
-32.5°	5	5	5	6	7	7	8	8	9	10	11
-35°	5	5	5	5	6	6	7	7	8	8	9
-37.5°	4	4	5	5	5	5	6	6	7	7	7
-40°	4	4	4	5	5	5	5	5	6	6	6
-42.5°	4	4	4	4	4	5	5	5	5	5	5
-45°	3	4	4	4	4	4	4	5	5	5	5
-47.5°	3	3	3	4	4	4	4	4	4	4	4
-50°	3	3	3	3	3	4	4	4	4	4	4
-52.5°	3	3	3	3	3	3	3	3	3	4	4
-55°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	2	2	3	3	3	3	3	3	3	3	3
-65°	2	2	2	2	2	2	3	3	3	3	3
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	1	1	2	2	2	2	2	2	2	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°	0	0	0	0	0	1	1	1	1	1	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: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-S-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°	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°	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	2	1	1	1	1	1	1	1
72.5°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
65°	3	3	3	3	3	3	3	3	3	3	3
62.5°	3	3	3	3	3	3	3	3	3	3	3
60°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	3	3
52.5°	4	4	4	4	4	4	4	4	4	3	3
50°	4	4	4	4	4	4	4	4	4	4	4
47.5°	4	5	5	5	5	5	5	4	4	4	4
45°	5	5	5	5	5	5	5	5	5	5	5
42.5°	5	5	5	5	5	5	5	5	5	5	5
40°	7	7	7	7	7	7	7	6	6	6	5
37.5°	8	8	8	8	8	8	8	7	7	7	6
35°	9	9	9	9	9	9	9	9	8	8	7
32.5°	11	12	12	12	12	12	11	11	10	9	8
30°	16	18	18	19	18	18	16	15	13	11	10
27.5°	26	29	30	31	30	29	26	23	18	16	13
25°	43	48	51	52	51	48	43	37	30	24	18
22.5°	67	74	78	80	78	74	67	57	47	37	27
20°	93	101	106	108	106	101	93	82	69	54	41
17.5°	125	139	147	150	147	139	125	107	92	75	57
15°	175	205	224	230	224	205	175	142	118	96	75
12.5°	257	344	430	469	430	344	257	199	148	118	92
10°	473	758	1037	1141	1037	758	473	283	199	142	107
7.5°	940	1534	1995	2163	1995	1534	940	473	257	175	125
5°	1534	2344	2934	3166	2934	2344	1534	758	344	205	139
2.5°	1995	2934	3750	4135	3750	2934	1995	1037	430	224	147
0°	2163	3166	4135	4625	4135	3166	2163	1141	469	230	150
-2.5°	1995	2934	3750	4135	3750	2934	1995	1037	430	224	147
-5°	1534	2344	2934	3166	2934	2344	1534	758	344	205	139
-7.5°	940	1534	1995	2163	1995	1534	940	473	257	175	125
-10°	473	758	1037	1141	1037	758	473	283	199	142	107
-12.5°	257	344	430	469	430	344	257	199	148	118	92
-15°	175	205	224	230	224	205	175	142	118	96	75
-17.5°	125	139	147	150	147	139	125	107	92	75	57
-20°	93	101	106	108	106	101	93	82	69	54	41



REPORT NUMBER: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-S-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°	67	74	78	80	78	74	67	57	47	37	27
-25°	43	48	51	52	51	48	43	37	30	24	18
-27.5°	26	29	30	31	30	29	26	23	18	16	13
-30°	16	18	18	19	18	18	16	15	13	11	10
-32.5°	11	12	12	12	12	12	11	11	10	9	8
-35°	9	9	9	9	9	9	9	9	8	8	7
-37.5°	8	8	8	8	8	8	8	7	7	7	6
-40°	7	7	7	7	7	7	7	6	6	6	5
-42.5°	5	5	5	5	5	5	5	5	5	5	5
-45°	5	5	5	5	5	5	5	5	5	5	5
-47.5°	4	5	5	5	5	5	4	4	4	4	4
-50°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	4	4	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	3
-65°	3	3	3	3	3	3	3	3	3	3	3
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	2	2	2	2	2	2	2	2	2	2	2
-75°	1	1	1	2	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	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: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-S-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°	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°	1	1	0	0	0	0	0	0	0	0	0
77.5°	1	1	1	1	1	1	1	1	1	1	0
75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	2	2	2	2	2	1	1	1	1	1	1
70°	2	2	2	2	2	2	2	2	2	1	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
65°	3	2	2	2	2	2	2	2	2	2	2
62.5°	3	3	3	3	3	2	2	2	2	2	2
60°	3	3	3	3	3	3	3	3	2	2	2
57.5°	3	3	3	3	3	3	3	3	3	3	2
55°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	3	3	3	3	3
50°	4	4	3	3	3	3	3	3	3	3	3
47.5°	4	4	4	4	3	3	3	3	3	3	3
45°	4	4	4	4	4	4	3	3	3	3	3
42.5°	5	5	4	4	4	4	4	3	3	3	3
40°	5	5	5	5	4	4	4	4	3	3	3
37.5°	6	5	5	5	5	4	4	4	4	3	3
35°	7	6	6	5	5	5	5	4	4	4	3
32.5°	8	7	7	6	5	5	5	4	4	4	4
30°	9	8	7	7	6	5	5	5	4	4	4
27.5°	11	9	8	8	7	6	5	5	5	4	4
25°	15	12	10	8	7	7	6	5	5	4	4
22.5°	20	15	12	9	8	7	6	5	5	5	4
20°	28	20	15	11	9	8	7	6	5	5	4
17.5°	41	27	18	13	10	8	7	6	5	5	5
15°	54	37	24	16	11	9	8	7	6	5	5
12.5°	69	47	30	18	13	10	8	7	6	5	5
10°	82	57	37	23	15	11	9	7	6	5	5
7.5°	93	67	43	26	16	11	9	8	7	5	5
5°	101	74	48	29	18	12	9	8	7	5	5
2.5°	106	78	51	30	18	12	9	8	7	5	5
0°	108	80	52	31	19	12	9	8	7	5	5
-2.5°	106	78	51	30	18	12	9	8	7	5	5
-5°	101	74	48	29	18	12	9	8	7	5	5
-7.5°	93	67	43	26	16	11	9	8	7	5	5
-10°	82	57	37	23	15	11	9	7	6	5	5
-12.5°	69	47	30	18	13	10	8	7	6	5	5
-15°	54	37	24	16	11	9	8	7	6	5	5
-17.5°	41	27	18	13	10	8	7	6	5	5	5
-20°	28	20	15	11	9	8	7	6	5	5	4



REPORT NUMBER: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	20	15	12	9	8	7	6	5	5	5	4
-25°	15	12	10	8	7	7	6	5	5	4	4
-27.5°	11	9	8	8	7	6	5	5	5	4	4
-30°	9	8	7	7	6	5	5	5	4	4	4
-32.5°	8	7	7	6	5	5	5	4	4	4	4
-35°	7	6	6	5	5	5	5	4	4	4	3
-37.5°	6	5	5	5	5	4	4	4	4	3	3
-40°	5	5	5	5	4	4	4	4	3	3	3
-42.5°	5	5	4	4	4	4	4	3	3	3	3
-45°	4	4	4	4	4	4	3	3	3	3	3
-47.5°	4	4	4	4	3	3	3	3	3	3	3
-50°	4	4	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	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	2
-60°	3	3	3	3	3	3	3	3	2	2	2
-62.5°	3	3	3	3	3	2	2	2	2	2	2
-65°	3	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	1	1
-72.5°	2	2	2	2	2	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	1	0
-80°	1	1	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: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-S-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°	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	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	0	0	0	0	0	0
70°	1	1	1	1	1	1	1	0	0	0	0
67.5°	1	1	1	1	1	1	1	1	0	0	0
65°	2	2	1	1	1	1	1	1	1	0	0
62.5°	2	2	2	2	1	1	1	1	1	1	0
60°	2	2	2	2	2	1	1	1	1	1	0
57.5°	2	2	2	2	2	2	1	1	1	1	1
55°	2	2	2	2	2	2	2	1	1	1	1
52.5°	3	2	2	2	2	2	2	1	1	1	1
50°	3	3	2	2	2	2	2	2	1	1	1
47.5°	3	3	3	2	2	2	2	2	1	1	1
45°	3	3	3	3	2	2	2	2	2	1	1
42.5°	3	3	3	3	3	2	2	2	2	1	1
40°	3	3	3	3	3	2	2	2	2	2	1
37.5°	3	3	3	3	3	3	2	2	2	2	1
35°	3	3	3	3	3	3	2	2	2	2	1
32.5°	3	3	3	3	3	3	2	2	2	2	1
30°	3	3	3	3	3	3	3	2	2	2	2
27.5°	4	3	3	3	3	3	3	2	2	2	2
25°	4	3	3	3	3	3	3	2	2	2	2
22.5°	4	4	3	3	3	3	3	2	2	2	2
20°	4	4	3	3	3	3	3	3	2	2	2
17.5°	4	4	3	3	3	3	3	3	2	2	2
15°	4	4	3	3	3	3	3	3	2	2	2
12.5°	4	4	4	3	3	3	3	3	2	2	2
10°	4	4	4	3	3	3	3	3	2	2	2
7.5°	4	4	4	3	3	3	3	3	2	2	2
5°	5	4	4	3	3	3	3	3	2	2	2
2.5°	5	4	4	3	3	3	3	3	2	2	2
0°	5	4	4	3	3	3	3	3	2	2	2
-2.5°	5	4	4	3	3	3	3	3	2	2	2
-5°	5	4	4	3	3	3	3	3	2	2	2
-7.5°	4	4	4	3	3	3	3	3	2	2	2
-10°	4	4	4	3	3	3	3	3	2	2	2
-12.5°	4	4	4	3	3	3	3	3	2	2	2
-15°	4	4	3	3	3	3	3	3	2	2	2
-17.5°	4	4	3	3	3	3	3	3	2	2	2
-20°	4	4	3	3	3	3	3	3	2	2	2



REPORT NUMBER: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-S-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°	4	4	3	3	3	3	3	2	2	2	2
-25°	4	3	3	3	3	3	3	2	2	2	2
-27.5°	4	3	3	3	3	3	3	2	2	2	2
-30°	3	3	3	3	3	3	3	2	2	2	2
-32.5°	3	3	3	3	3	3	2	2	2	2	1
-35°	3	3	3	3	3	3	2	2	2	2	1
-37.5°	3	3	3	3	3	3	2	2	2	2	1
-40°	3	3	3	3	3	2	2	2	2	2	1
-42.5°	3	3	3	3	3	2	2	2	2	1	1
-45°	3	3	3	3	2	2	2	2	2	1	1
-47.5°	3	3	3	2	2	2	2	2	1	1	1
-50°	3	3	2	2	2	2	2	2	1	1	1
-52.5°	3	2	2	2	2	2	2	1	1	1	1
-55°	2	2	2	2	2	2	2	1	1	1	1
-57.5°	2	2	2	2	2	2	1	1	1	1	1
-60°	2	2	2	2	2	1	1	1	1	1	0
-62.5°	2	2	2	2	1	1	1	1	1	1	0
-65°	2	2	1	1	1	1	1	1	1	0	0
-67.5°	1	1	1	1	1	1	1	1	0	0	0
-70°	1	1	1	1	1	1	1	0	0	0	0
-72.5°	1	1	1	1	1	0	0	0	0	0	0
-75°	1	1	1	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: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3097-S-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°	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°	1	0	0	0	0	0	0
50°	1	0	0	0	0	0	0
47.5°	1	0	0	0	0	0	0
45°	1	0	0	0	0	0	0
42.5°	1	1	0	0	0	0	0
40°	1	1	0	0	0	0	0
37.5°	1	1	0	0	0	0	0
35°	1	1	0	0	0	0	0
32.5°	1	1	0	0	0	0	0
30°	1	1	0	0	0	0	0
27.5°	1	1	0	0	0	0	0
25°	1	1	0	0	0	0	0
22.5°	1	1	1	0	0	0	0
20°	1	1	1	0	0	0	0
17.5°	1	1	1	0	0	0	0
15°	1	1	1	0	0	0	0
12.5°	1	1	1	0	0	0	0
10°	1	1	1	0	0	0	0
7.5°	1	1	1	0	0	0	0
5°	1	1	1	0	0	0	0
2.5°	1	1	1	0	0	0	0
0°	2	1	1	0	0	0	0
-2.5°	1	1	1	0	0	0	0
-5°	1	1	1	0	0	0	0
-7.5°	1	1	1	0	0	0	0
-10°	1	1	1	0	0	0	0
-12.5°	1	1	1	0	0	0	0
-15°	1	1	1	0	0	0	0
-17.5°	1	1	1	0	0	0	0
-20°	1	1	1	0	0	0	0



REPORT NUMBER: P220374 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1	1	1	0	0	0	0
-25°	1	1	0	0	0	0	0
-27.5°	1	1	0	0	0	0	0
-30°	1	1	0	0	0	0	0
-32.5°	1	1	0	0	0	0	0
-35°	1	1	0	0	0	0	0
-37.5°	1	1	0	0	0	0	0
-40°	1	1	0	0	0	0	0
-42.5°	1	1	0	0	0	0	0
-45°	1	0	0	0	0	0	0
-47.5°	1	0	0	0	0	0	0
-50°	1	0	0	0	0	0	0
-52.5°	1	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)