

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: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED4080-S-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
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-LED4080-S-WT-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

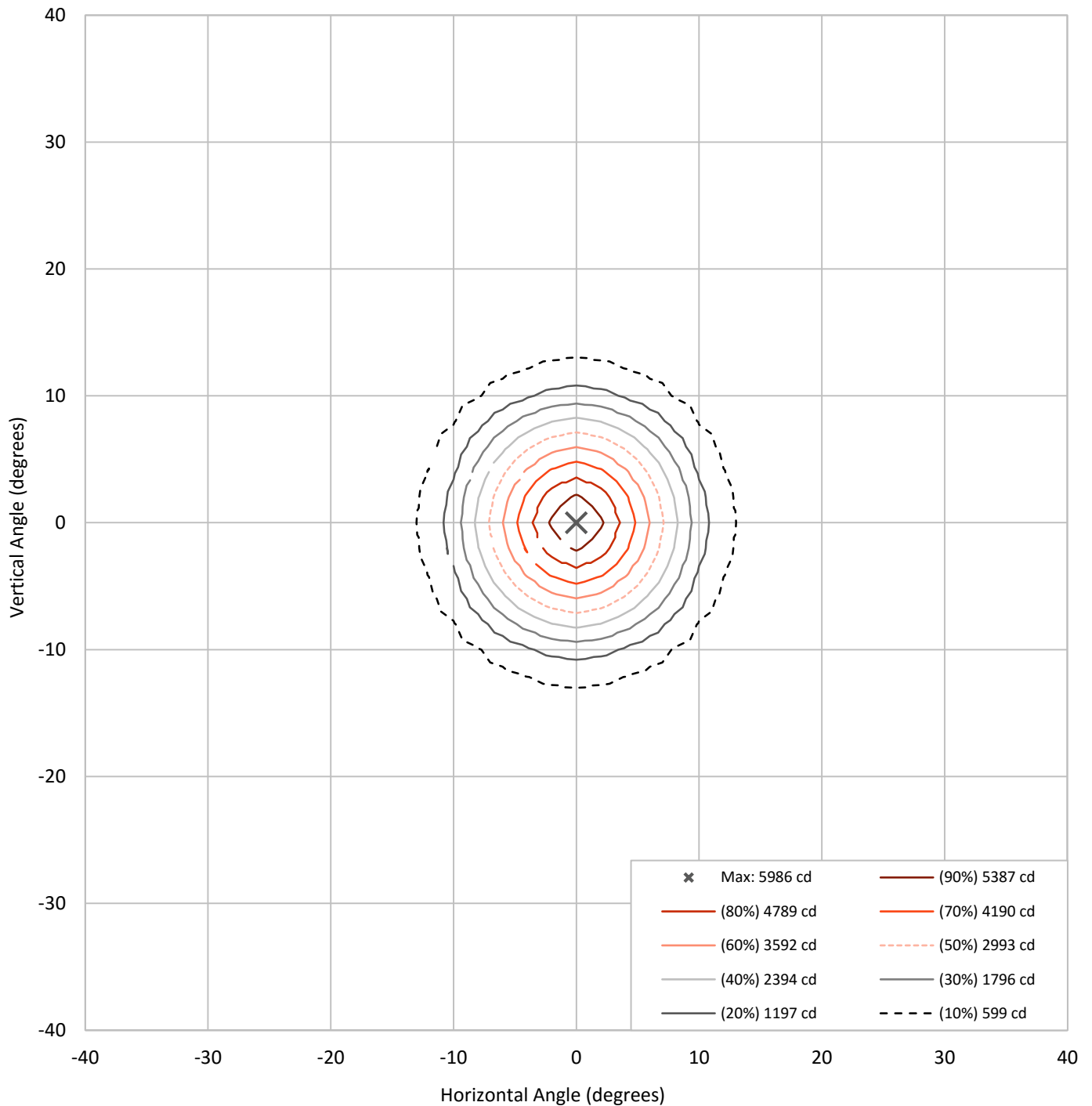
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	474.2 lumens	Max Intensity:	5986 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	47.4 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:	189.6 lumens	Field Lumens:	356.5 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: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-S-WT-L1-UNV

### Iso-Candela Plot





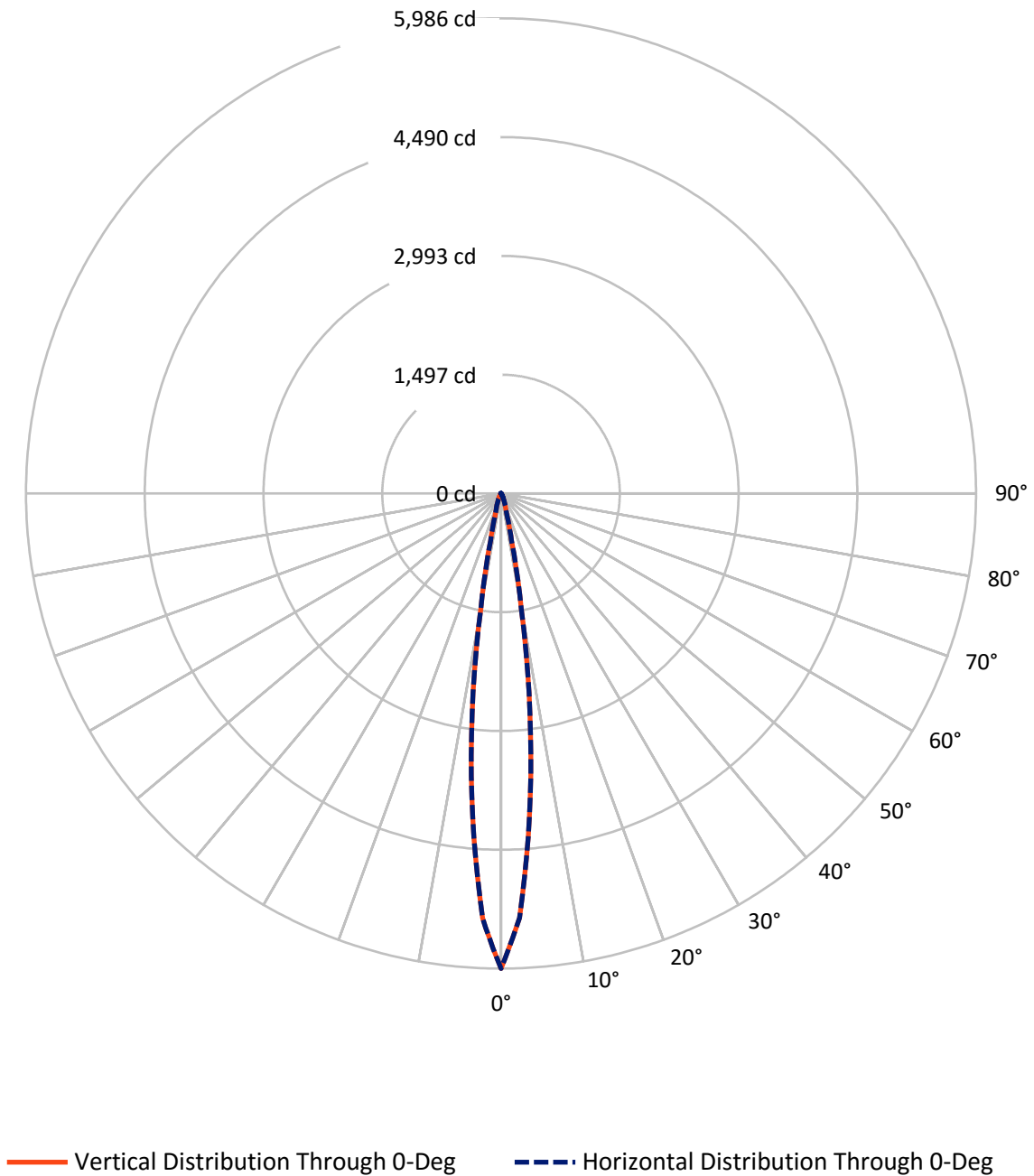
REPORT NUMBER: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-S-WT-L1-UNV

### Lumen Table

90	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	
80	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	
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
60		0.0	0.1	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	0.1	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	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.3	0.2	0.1	0.1	0.1	
30	0.0	0.0	0.1	0.1	0.2	0.4	1.1	2.0	2.0	1.1	0.4	0.2	0.1	0.1	0.0
20		0.0	0.1	0.1	0.3	1.0	3.8	10.8	10.8	3.8	1.0	0.3	0.1	0.1	
10	0.0	0.0	0.1	0.1	0.3	1.8	10.5	82.2	82.2	10.5	1.8	0.3	0.1	0.1	0.0
0		0.0	0.1	0.1	0.3	1.8	10.5	82.2	82.2	10.5	1.8	0.3	0.1	0.1	
-10	0.0	0.0	0.1	0.1	0.3	1.8	10.5	82.2	82.2	10.5	1.8	0.3	0.1	0.1	0.0
-20		0.0	0.1	0.1	0.3	1.0	3.8	10.8	10.8	3.8	1.0	0.3	0.1	0.1	
-30	0.0	0.0	0.1	0.1	0.2	0.4	1.1	2.0	2.0	1.1	0.4	0.2	0.1	0.1	0.0
-40		0.0	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.3	0.2	0.1	0.1	0.1	
-50	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.1	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	0.1	0.0	0.0
-80		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	
-90	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	

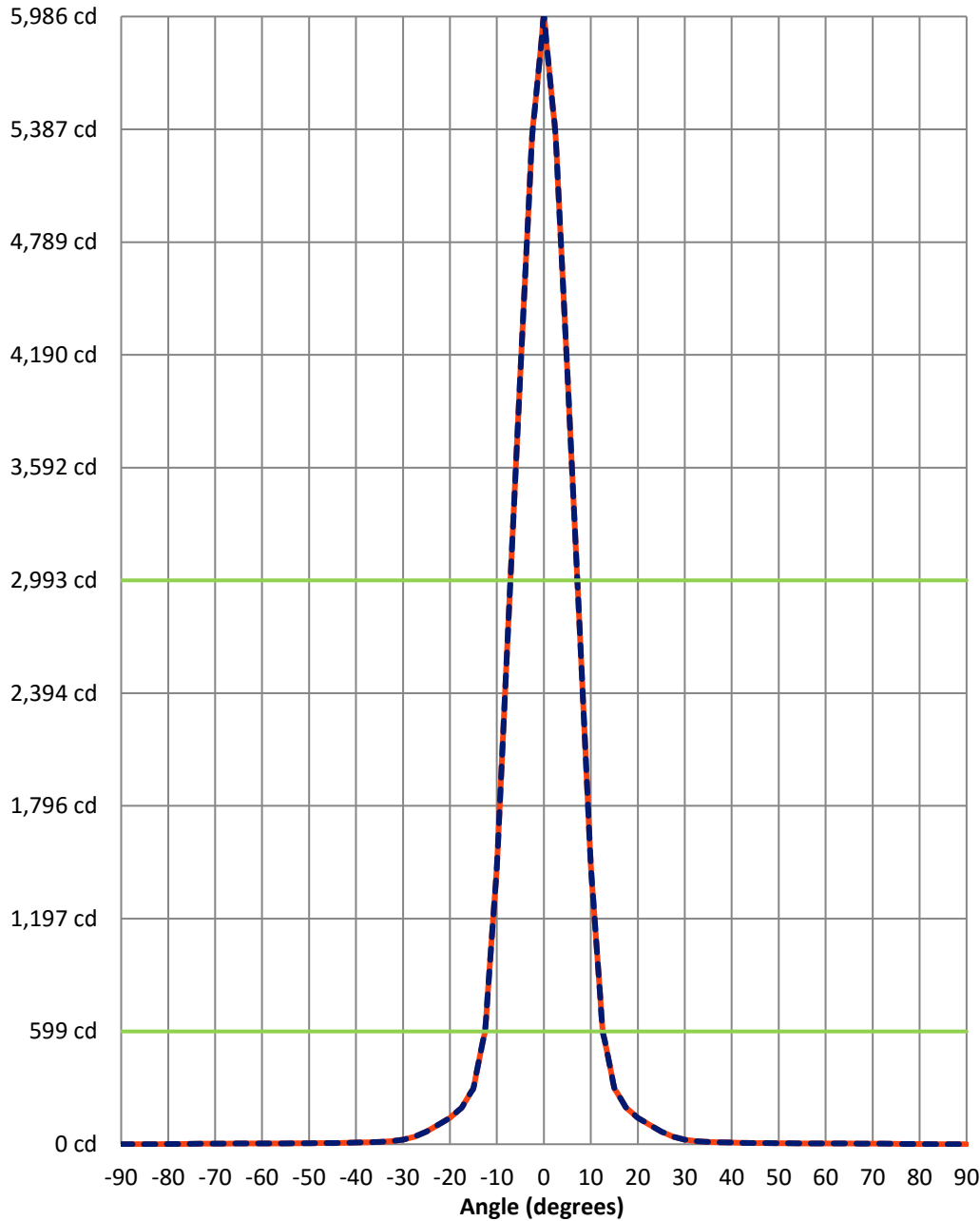
REPORT NUMBER: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-S-WT-L1-UNV

### Luminous Intensity Polar Plot



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-S-WT-L1-UNV

### Luminous Intensity Plot



**Beam:**  
H Angle: 14.3°  
V Angle: 14.3°  
Lumens: 189.6  
Efficiency: 40.0%

**Field:**  
H Angle: 25.1°  
V Angle: 25.1°  
Lumens: 356.5  
Efficiency: 75.2%

**Spill:**  
Lumens: 117.8  
Efficiency: 24.8%

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



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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	2
52.5°	0	0	0	0	0	0	1	1	1	1	2
50°	0	0	0	0	0	0	1	1	1	2	2
47.5°	0	0	0	0	0	0	1	1	1	2	3
45°	0	0	0	0	0	1	1	1	2	2	3
42.5°	0	0	0	0	0	1	1	1	2	3	3
40°	0	0	0	0	0	1	1	1	2	3	3
37.5°	0	0	0	0	0	1	1	2	2	3	3
35°	0	0	0	0	0	1	1	2	3	3	3
32.5°	0	0	0	0	0	1	1	2	3	3	3
30°	0	0	0	0	0	1	1	2	3	3	3
27.5°	0	0	0	0	1	1	1	2	3	3	3
25°	0	0	0	0	1	1	1	2	3	3	3
22.5°	0	0	0	0	1	1	2	2	3	3	3
20°	0	0	0	0	1	1	2	3	3	3	3
17.5°	0	0	0	0	1	1	2	3	3	3	4
15°	0	0	0	0	1	1	2	3	3	3	4
12.5°	0	0	0	0	1	1	2	3	3	3	4
10°	0	0	0	0	1	1	2	3	3	3	4
7.5°	0	0	0	0	1	1	2	3	3	3	4
5°	0	0	0	0	1	1	2	3	3	3	4
2.5°	0	0	0	0	1	1	2	3	3	3	4
0°	0	0	0	0	1	1	2	3	3	3	4
-2.5°	0	0	0	0	1	1	2	3	3	3	4
-5°	0	0	0	0	1	1	2	3	3	3	4
-7.5°	0	0	0	0	1	1	2	3	3	3	4
-10°	0	0	0	0	1	1	2	3	3	3	4
-12.5°	0	0	0	0	1	1	2	3	3	3	4
-15°	0	0	0	0	1	1	2	3	3	3	4
-17.5°	0	0	0	0	1	1	2	3	3	3	4
-20°	0	0	0	0	1	1	2	3	3	3	3



REPORT NUMBER: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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	2	2	3	3	3
-25°	0	0	0	0	1	1	1	2	3	3	3
-27.5°	0	0	0	0	1	1	1	2	3	3	3
-30°	0	0	0	0	0	1	1	2	3	3	3
-32.5°	0	0	0	0	0	1	1	2	3	3	3
-35°	0	0	0	0	0	1	1	2	3	3	3
-37.5°	0	0	0	0	0	1	1	2	2	3	3
-40°	0	0	0	0	0	1	1	1	2	3	3
-42.5°	0	0	0	0	0	1	1	1	2	3	3
-45°	0	0	0	0	0	1	1	1	2	2	3
-47.5°	0	0	0	0	0	0	1	1	1	2	3
-50°	0	0	0	0	0	0	1	1	1	2	2
-52.5°	0	0	0	0	0	0	1	1	1	1	2
-55°	0	0	0	0	0	0	0	1	1	1	2
-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: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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	1	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	2
70°	1	1	1	1	1	1	1	2	2	2	2
67.5°	1	1	1	1	1	2	2	2	3	3	3
65°	1	1	1	2	2	2	3	3	3	3	3
62.5°	1	1	2	2	3	3	3	3	3	3	3
60°	1	2	2	3	3	3	3	3	3	3	3
57.5°	2	2	3	3	3	3	3	3	3	4	4
55°	2	3	3	3	3	3	3	4	4	4	4
52.5°	3	3	3	3	3	3	4	4	4	4	4
50°	3	3	3	3	3	4	4	4	4	4	4
47.5°	3	3	3	3	4	4	4	4	4	4	4
45°	3	3	3	4	4	4	4	4	4	4	4
42.5°	3	3	3	4	4	4	4	4	4	4	4
40°	3	3	4	4	4	4	4	4	4	4	5
37.5°	3	3	4	4	4	4	4	4	4	5	5
35°	3	4	4	4	4	4	4	4	5	5	5
32.5°	3	4	4	4	4	4	4	5	5	5	6
30°	3	4	4	4	4	4	4	5	5	6	6
27.5°	4	4	4	4	4	4	5	5	5	6	6
25°	4	4	4	4	4	4	5	5	6	6	6
22.5°	4	4	4	4	4	5	5	5	6	6	7
20°	4	4	4	4	4	5	5	6	6	6	8
17.5°	4	4	4	4	4	5	5	6	6	7	8
15°	4	4	4	4	4	5	5	6	6	7	9
12.5°	4	4	4	4	5	5	6	6	6	8	9
10°	4	4	4	4	5	5	6	6	7	8	10
7.5°	4	4	4	4	5	5	6	6	7	9	10
5°	4	4	4	4	5	5	6	6	7	9	10
2.5°	4	4	4	4	5	5	6	6	7	9	10
0°	4	4	4	4	5	5	6	6	7	9	10
-2.5°	4	4	4	4	5	5	6	6	7	9	10
-5°	4	4	4	4	5	5	6	6	7	9	10
-7.5°	4	4	4	4	5	5	6	6	7	9	10
-10°	4	4	4	4	5	5	6	6	7	8	10
-12.5°	4	4	4	4	5	5	6	6	6	8	9
-15°	4	4	4	4	4	5	5	6	6	7	9
-17.5°	4	4	4	4	4	5	5	6	6	7	8
-20°	4	4	4	4	4	5	5	6	6	6	8



REPORT NUMBER: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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°	4	4	4	4	4	5	5	5	6	6	7
-25°	4	4	4	4	4	4	5	5	6	6	6
-27.5°	4	4	4	4	4	4	5	5	5	6	6
-30°	3	4	4	4	4	4	4	5	5	6	6
-32.5°	3	4	4	4	4	4	4	5	5	5	6
-35°	3	4	4	4	4	4	4	4	5	5	5
-37.5°	3	3	4	4	4	4	4	4	4	5	5
-40°	3	3	4	4	4	4	4	4	4	4	5
-42.5°	3	3	3	4	4	4	4	4	4	4	4
-45°	3	3	3	4	4	4	4	4	4	4	4
-47.5°	3	3	3	3	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	4	4	4	4	4
-55°	2	3	3	3	3	3	3	4	4	4	4
-57.5°	2	2	3	3	3	3	3	3	3	4	4
-60°	1	2	2	3	3	3	3	3	3	3	3
-62.5°	1	1	2	2	3	3	3	3	3	3	3
-65°	1	1	1	2	2	2	3	3	3	3	3
-67.5°	1	1	1	1	1	2	2	2	3	3	3
-70°	1	1	1	1	1	1	1	2	2	2	2
-72.5°	0	0	1	1	1	1	1	1	1	1	2
-75°	0	0	0	0	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	1	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: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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	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	2	2	2	2	2	2
72.5°	2	2	2	2	2	2	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	3	3	3
65°	3	3	3	3	3	3	3	4	4	4	4
62.5°	3	3	3	4	4	4	4	4	4	4	4
60°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	4	4
52.5°	4	4	4	4	4	4	4	4	4	5	5
50°	4	4	4	4	4	5	5	5	5	5	5
47.5°	4	4	4	5	5	5	5	5	5	6	6
45°	4	5	5	5	5	5	6	6	6	6	6
42.5°	5	5	5	5	6	6	6	6	6	6	7
40°	5	5	6	6	6	6	6	7	7	8	8
37.5°	5	6	6	6	6	7	8	8	9	9	10
35°	6	6	6	7	7	8	9	10	10	10	11
32.5°	6	6	7	8	9	9	10	11	12	13	14
30°	6	7	8	9	10	11	12	13	15	17	19
27.5°	7	8	9	10	11	12	14	17	21	24	30
25°	7	9	10	11	12	15	19	23	31	38	47
22.5°	8	9	11	12	15	20	26	35	47	61	74
20°	9	10	12	14	19	26	37	53	70	89	106
17.5°	10	11	13	17	23	35	53	73	97	119	139
15°	10	12	15	21	31	47	70	97	124	152	184
12.5°	10	13	17	24	38	61	89	119	152	192	258
10°	11	14	19	30	47	74	106	139	184	258	367
7.5°	11	15	21	34	56	86	121	162	226	333	612
5°	12	15	23	37	62	96	131	179	265	445	981
2.5°	12	16	24	39	66	101	138	190	290	556	1343
0°	12	16	24	40	67	103	140	194	298	608	1477
-2.5°	12	16	24	39	66	101	138	190	290	556	1343
-5°	12	15	23	37	62	96	131	179	265	445	981
-7.5°	11	15	21	34	56	86	121	162	226	333	612
-10°	11	14	19	30	47	74	106	139	184	258	367
-12.5°	10	13	17	24	38	61	89	119	152	192	258
-15°	10	12	15	21	31	47	70	97	124	152	184
-17.5°	10	11	13	17	23	35	53	73	97	119	139
-20°	9	10	12	14	19	26	37	53	70	89	106



REPORT NUMBER: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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°	8	9	11	12	15	20	26	35	47	61	74
-25°	7	9	10	11	12	15	19	23	31	38	47
-27.5°	7	8	9	10	11	12	14	17	21	24	30
-30°	6	7	8	9	10	11	12	13	15	17	19
-32.5°	6	6	7	8	9	9	10	11	12	13	14
-35°	6	6	6	7	7	8	9	10	10	10	11
-37.5°	5	6	6	6	6	7	8	8	9	9	10
-40°	5	5	6	6	6	6	6	7	7	8	8
-42.5°	5	5	5	5	6	6	6	6	6	6	7
-45°	4	5	5	5	5	5	6	6	6	6	6
-47.5°	4	4	4	5	5	5	5	5	5	6	6
-50°	4	4	4	4	4	5	5	5	5	5	5
-52.5°	4	4	4	4	4	4	4	4	4	5	5
-55°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	3	3	3	4	4	4	4	4	4	4	4
-65°	3	3	3	3	3	3	3	4	4	4	4
-67.5°	3	3	3	3	3	3	3	3	3	3	3
-70°	3	3	3	3	3	3	3	3	3	3	3
-72.5°	2	2	2	2	2	2	3	3	3	3	3
-75°	1	1	1	1	1	2	2	2	2	2	2
-77.5°	1	1	1	1	1	1	1	1	1	1	1
-80°	0	0	0	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: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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°	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°	3	3	3	3	3	3	3	3	3	3	3
65°	4	4	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	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	4	4
52.5°	5	5	5	5	5	5	5	5	5	4	4
50°	5	5	5	5	5	5	5	5	5	5	5
47.5°	6	6	6	6	6	6	6	6	6	5	5
45°	6	6	6	6	6	6	6	6	6	6	6
42.5°	7	7	7	7	7	7	7	7	6	6	6
40°	9	9	9	9	9	9	9	8	8	7	7
37.5°	10	10	10	10	10	10	10	10	9	9	8
35°	11	12	12	12	12	12	11	11	10	10	10
32.5°	15	15	16	16	16	15	15	14	13	12	11
30°	21	23	24	24	24	23	21	19	17	15	13
27.5°	34	37	39	40	39	37	34	30	24	21	17
25°	56	62	66	67	66	62	56	47	38	31	23
22.5°	86	96	101	103	101	96	86	74	61	47	35
20°	121	131	138	140	138	131	121	106	89	70	53
17.5°	162	179	190	194	190	179	162	139	119	97	73
15°	226	265	290	298	290	265	226	184	152	124	97
12.5°	333	445	556	608	556	445	333	258	192	152	119
10°	612	981	1343	1477	1343	981	612	367	258	184	139
7.5°	1216	1986	2582	2800	2582	1986	1216	612	333	226	162
5°	1986	3034	3798	4098	3798	3034	1986	981	445	265	179
2.5°	2582	3798	4853	5352	4853	3798	2582	1343	556	290	190
0°	2800	4098	5352	5986	5352	4098	2800	1477	608	298	194
-2.5°	2582	3798	4853	5352	4853	3798	2582	1343	556	290	190
-5°	1986	3034	3798	4098	3798	3034	1986	981	445	265	179
-7.5°	1216	1986	2582	2800	2582	1986	1216	612	333	226	162
-10°	612	981	1343	1477	1343	981	612	367	258	184	139
-12.5°	333	445	556	608	556	445	333	258	192	152	119
-15°	226	265	290	298	290	265	226	184	152	124	97
-17.5°	162	179	190	194	190	179	162	139	119	97	73
-20°	121	131	138	140	138	131	121	106	89	70	53



REPORT NUMBER: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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°	86	96	101	103	101	96	86	74	61	47	35
-25°	56	62	66	67	66	62	56	47	38	31	23
-27.5°	34	37	39	40	39	37	34	30	24	21	17
-30°	21	23	24	24	24	23	21	19	17	15	13
-32.5°	15	15	16	16	16	15	15	14	13	12	11
-35°	11	12	12	12	12	12	11	11	10	10	10
-37.5°	10	10	10	10	10	10	10	10	9	9	8
-40°	9	9	9	9	9	9	9	8	8	7	7
-42.5°	7	7	7	7	7	7	7	7	6	6	6
-45°	6	6	6	6	6	6	6	6	6	6	6
-47.5°	6	6	6	6	6	6	6	6	6	5	5
-50°	5	5	5	5	5	5	5	5	5	5	5
-52.5°	5	5	5	5	5	5	5	5	5	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	4	4	4	4	4	4	4	4	4	4	4
-65°	4	4	4	4	4	4	4	4	4	4	4
-67.5°	3	3	3	3	3	3	3	3	3	3	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°	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: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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	1	1	0	0	0	0	0	0	0
77.5°	1	1	1	1	1	1	1	1	1	1	1
75°	2	2	1	1	1	1	1	1	1	1	1
72.5°	3	2	2	2	2	2	2	2	1	1	1
70°	3	3	3	3	3	3	3	2	2	2	2
67.5°	3	3	3	3	3	3	3	3	3	3	2
65°	3	3	3	3	3	3	3	3	3	3	3
62.5°	4	4	4	4	3	3	3	3	3	3	3
60°	4	4	4	4	4	4	4	3	3	3	3
57.5°	4	4	4	4	4	4	4	4	4	3	3
55°	4	4	4	4	4	4	4	4	4	4	4
52.5°	4	4	4	4	4	4	4	4	4	4	4
50°	5	5	4	4	4	4	4	4	4	4	4
47.5°	5	5	5	5	4	4	4	4	4	4	4
45°	6	5	5	5	5	5	4	4	4	4	4
42.5°	6	6	6	5	5	5	5	4	4	4	4
40°	6	6	6	6	6	5	5	5	4	4	4
37.5°	8	7	6	6	6	6	5	5	5	4	4
35°	9	8	7	7	6	6	6	5	5	5	4
32.5°	10	9	9	8	7	6	6	6	5	5	5
30°	12	11	10	9	8	7	6	6	6	5	5
27.5°	14	12	11	10	9	8	7	6	6	5	5
25°	19	15	12	11	10	9	7	6	6	6	5
22.5°	26	20	15	12	11	9	8	7	6	6	5
20°	37	26	19	14	12	10	9	8	6	6	6
17.5°	53	35	23	17	13	11	10	8	7	6	6
15°	70	47	31	21	15	12	10	9	7	6	6
12.5°	89	61	38	24	17	13	10	9	8	6	6
10°	106	74	47	30	19	14	11	10	8	7	6
7.5°	121	86	56	34	21	15	11	10	9	7	6
5°	131	96	62	37	23	15	12	10	9	7	6
2.5°	138	101	66	39	24	16	12	10	9	7	6
0°	140	103	67	40	24	16	12	10	9	7	6
-2.5°	138	101	66	39	24	16	12	10	9	7	6
-5°	131	96	62	37	23	15	12	10	9	7	6
-7.5°	121	86	56	34	21	15	11	10	9	7	6
-10°	106	74	47	30	19	14	11	10	8	7	6
-12.5°	89	61	38	24	17	13	10	9	8	6	6
-15°	70	47	31	21	15	12	10	9	7	6	6
-17.5°	53	35	23	17	13	11	10	8	7	6	6
-20°	37	26	19	14	12	10	9	8	6	6	6



REPORT NUMBER: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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°	26	20	15	12	11	9	8	7	6	6	5
-25°	19	15	12	11	10	9	7	6	6	6	5
-27.5°	14	12	11	10	9	8	7	6	6	5	5
-30°	12	11	10	9	8	7	6	6	6	5	5
-32.5°	10	9	9	8	7	6	6	6	5	5	5
-35°	9	8	7	7	6	6	6	5	5	5	4
-37.5°	8	7	6	6	6	6	5	5	5	4	4
-40°	6	6	6	6	6	5	5	5	4	4	4
-42.5°	6	6	6	5	5	5	5	4	4	4	4
-45°	6	5	5	5	5	5	4	4	4	4	4
-47.5°	5	5	5	5	4	4	4	4	4	4	4
-50°	5	5	4	4	4	4	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	3	3
-60°	4	4	4	4	4	4	4	3	3	3	3
-62.5°	4	4	4	4	3	3	3	3	3	3	3
-65°	3	3	3	3	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	2	2	2	2
-72.5°	3	2	2	2	2	2	2	2	1	1	1
-75°	2	2	1	1	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	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: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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°	2	2	1	1	1	1	1	1	0	0	0
65°	3	2	2	2	1	1	1	1	1	0	0
62.5°	3	3	3	2	2	1	1	1	1	1	0
60°	3	3	3	3	2	2	1	1	1	1	0
57.5°	3	3	3	3	3	2	2	1	1	1	1
55°	3	3	3	3	3	3	2	2	1	1	1
52.5°	4	3	3	3	3	3	3	2	1	1	1
50°	4	4	3	3	3	3	3	2	2	1	1
47.5°	4	4	4	3	3	3	3	3	2	1	1
45°	4	4	4	4	3	3	3	3	2	2	1
42.5°	4	4	4	4	3	3	3	3	3	2	1
40°	4	4	4	4	4	3	3	3	3	2	1
37.5°	4	4	4	4	4	3	3	3	3	2	2
35°	4	4	4	4	4	4	3	3	3	3	2
32.5°	4	4	4	4	4	4	3	3	3	3	2
30°	4	4	4	4	4	4	3	3	3	3	2
27.5°	5	4	4	4	4	4	4	3	3	3	2
25°	5	4	4	4	4	4	4	3	3	3	2
22.5°	5	5	4	4	4	4	4	3	3	3	2
20°	5	5	4	4	4	4	4	3	3	3	3
17.5°	5	5	4	4	4	4	4	4	3	3	3
15°	5	5	4	4	4	4	4	4	3	3	3
12.5°	6	5	5	4	4	4	4	4	3	3	3
10°	6	5	5	4	4	4	4	4	3	3	3
7.5°	6	5	5	4	4	4	4	4	3	3	3
5°	6	5	5	4	4	4	4	4	3	3	3
2.5°	6	5	5	4	4	4	4	4	3	3	3
0°	6	5	5	4	4	4	4	4	3	3	3
-2.5°	6	5	5	4	4	4	4	4	3	3	3
-5°	6	5	5	4	4	4	4	4	3	3	3
-7.5°	6	5	5	4	4	4	4	4	3	3	3
-10°	6	5	5	4	4	4	4	4	3	3	3
-12.5°	6	5	5	4	4	4	4	4	3	3	3
-15°	5	5	4	4	4	4	4	4	3	3	3
-17.5°	5	5	4	4	4	4	4	4	3	3	3
-20°	5	5	4	4	4	4	4	3	3	3	3



REPORT NUMBER: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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°	5	5	4	4	4	4	4	3	3	3	2
-25°	5	4	4	4	4	4	4	3	3	3	2
-27.5°	5	4	4	4	4	4	4	3	3	3	2
-30°	4	4	4	4	4	4	3	3	3	3	2
-32.5°	4	4	4	4	4	4	3	3	3	3	2
-35°	4	4	4	4	4	4	3	3	3	3	2
-37.5°	4	4	4	4	4	3	3	3	3	2	2
-40°	4	4	4	4	4	3	3	3	3	2	1
-42.5°	4	4	4	4	3	3	3	3	3	2	1
-45°	4	4	4	4	3	3	3	3	2	2	1
-47.5°	4	4	4	3	3	3	3	3	2	1	1
-50°	4	4	3	3	3	3	3	2	2	1	1
-52.5°	4	3	3	3	3	3	3	2	1	1	1
-55°	3	3	3	3	3	3	2	2	1	1	1
-57.5°	3	3	3	3	3	2	2	1	1	1	1
-60°	3	3	3	3	2	2	1	1	1	1	0
-62.5°	3	3	3	2	2	1	1	1	1	1	0
-65°	3	2	2	2	1	1	1	1	1	0	0
-67.5°	2	2	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: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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	1	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	1	0	0	0	0
25°	1	1	1	0	0	0	0
22.5°	2	1	1	0	0	0	0
20°	2	1	1	0	0	0	0
17.5°	2	1	1	0	0	0	0
15°	2	1	1	0	0	0	0
12.5°	2	1	1	0	0	0	0
10°	2	1	1	0	0	0	0
7.5°	2	1	1	0	0	0	0
5°	2	1	1	0	0	0	0
2.5°	2	1	1	0	0	0	0
0°	2	1	1	0	0	0	0
-2.5°	2	1	1	0	0	0	0
-5°	2	1	1	0	0	0	0
-7.5°	2	1	1	0	0	0	0
-10°	2	1	1	0	0	0	0
-12.5°	2	1	1	0	0	0	0
-15°	2	1	1	0	0	0	0
-17.5°	2	1	1	0	0	0	0
-20°	2	1	1	0	0	0	0



REPORT NUMBER: P29417 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	2	1	1	0	0	0	0
-25°	1	1	1	0	0	0	0
-27.5°	1	1	1	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	1	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)