

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: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED3025-12-CS-DIFF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-40)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-8LED3025-12-CS-DIFF  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, DIFFUSED LENS  
Light Source: (1) SORAA 3000K 90 CRI LED  
SM16-07-25D-930-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

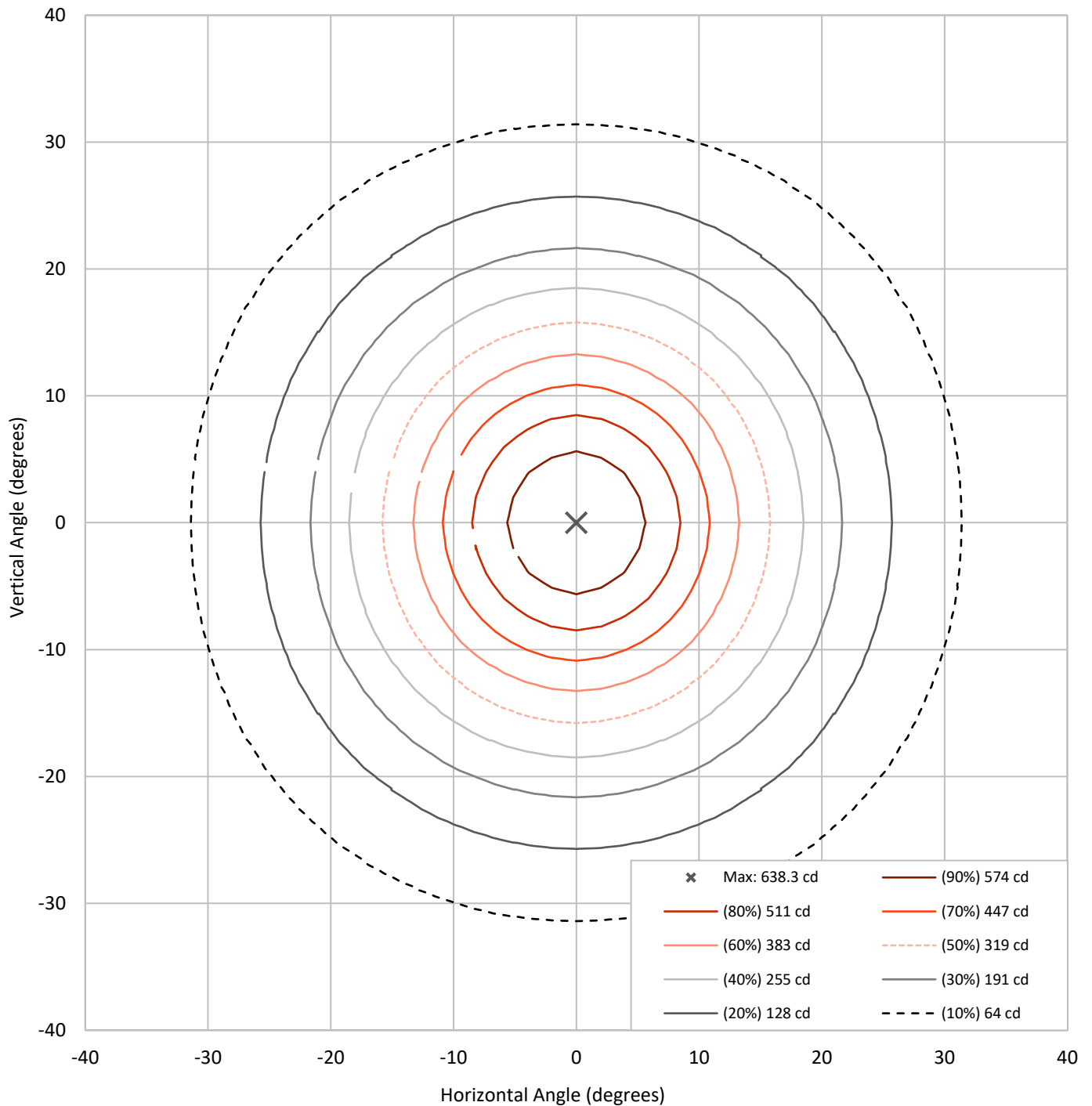
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	249.2 lumens	Max Intensity:	638.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	32.0 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	31.6°H x 31.6°V	Field Angle (10%):	62.8°H x 62.8°V
Beam Lumens:	103.3 lumens	Field Lumens:	212.1 lumens
Beam Efficiency:	41.4%	Field Efficiency:	85.1%
Input Watts (W):	7.8		
Input Voltage (V):	NR		
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: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Iso-Candela Plot



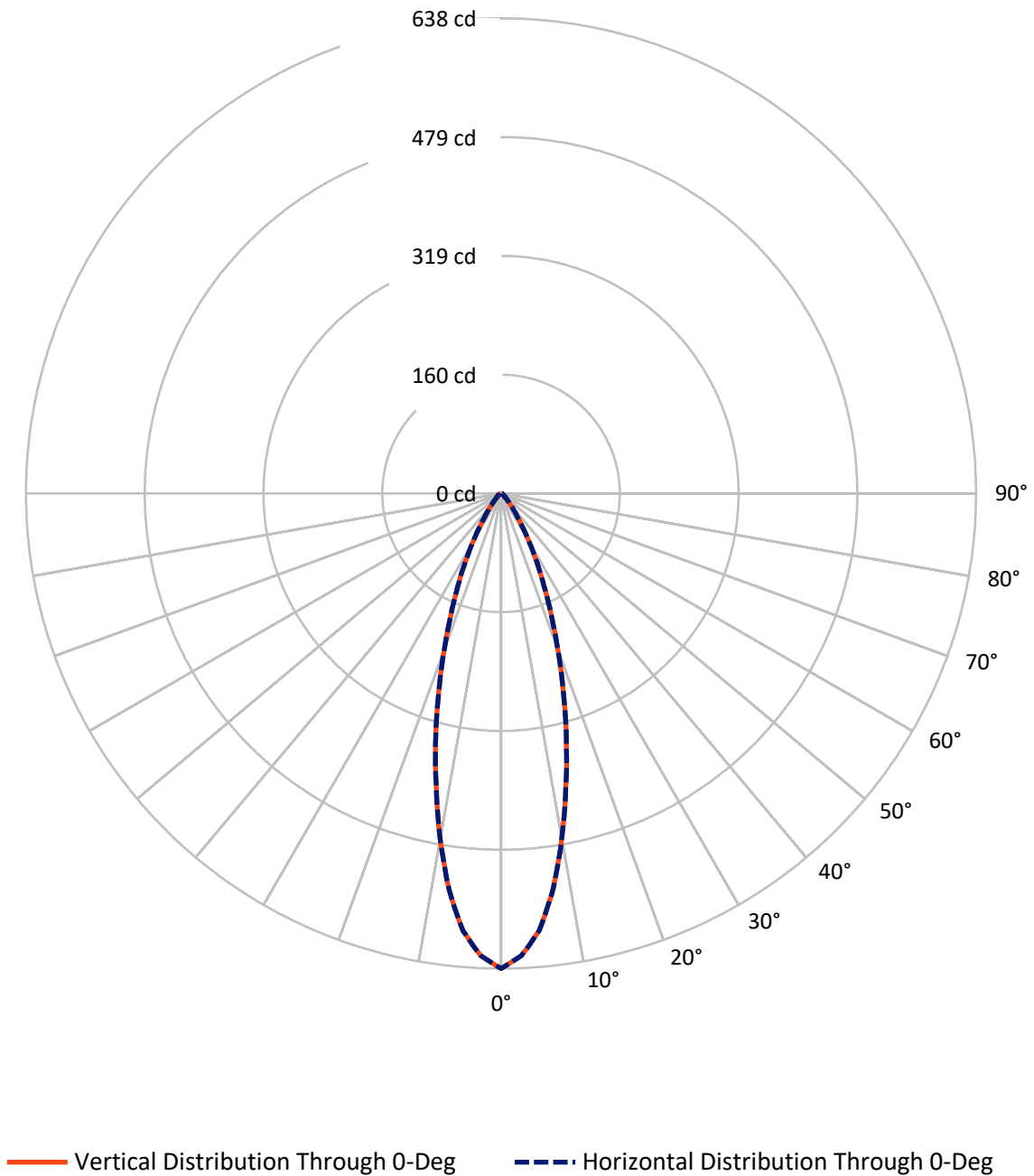
REPORT NUMBER: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3025-12-CS-DIFF

### Lumen Table

90	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0
40		0.0	0.0	0.1	0.2	0.4	0.8	1.2	1.2	0.8	0.4	0.2	0.1	0.0		
30	0.0	0.0	0.1	0.1	0.4	1.2	2.7	4.0	4.0	2.7	1.2	0.4	0.1	0.1	0.0	0.0
20		0.0	0.1	0.2	0.7	2.5	6.0	9.5	9.5	6.0	2.5	0.7	0.2	0.1	0.0	
10	0.0	0.0	0.1	0.2	1.0	3.7	9.3	15.8	15.8	9.3	3.7	1.0	0.2	0.1	0.0	0.0
0		0.0	0.1	0.2	1.0	3.7	9.3	15.8	15.8	9.3	3.7	1.0	0.2	0.1	0.0	
-10	0.0	0.0	0.1	0.2	1.0	3.7	9.3	15.8	15.8	9.3	3.7	1.0	0.2	0.1	0.0	0.0
-20		0.0	0.1	0.2	0.7	2.5	6.0	9.5	9.5	6.0	2.5	0.7	0.2	0.1	0.0	
-30	0.0	0.0	0.1	0.1	0.4	1.2	2.7	4.0	4.0	2.7	1.2	0.4	0.1	0.1	0.0	0.0
-40		0.0	0.0	0.1	0.2	0.4	0.8	1.2	1.2	0.8	0.4	0.2	0.1	0.0	0.0	
-50	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.0	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	0.0	
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	
-90	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

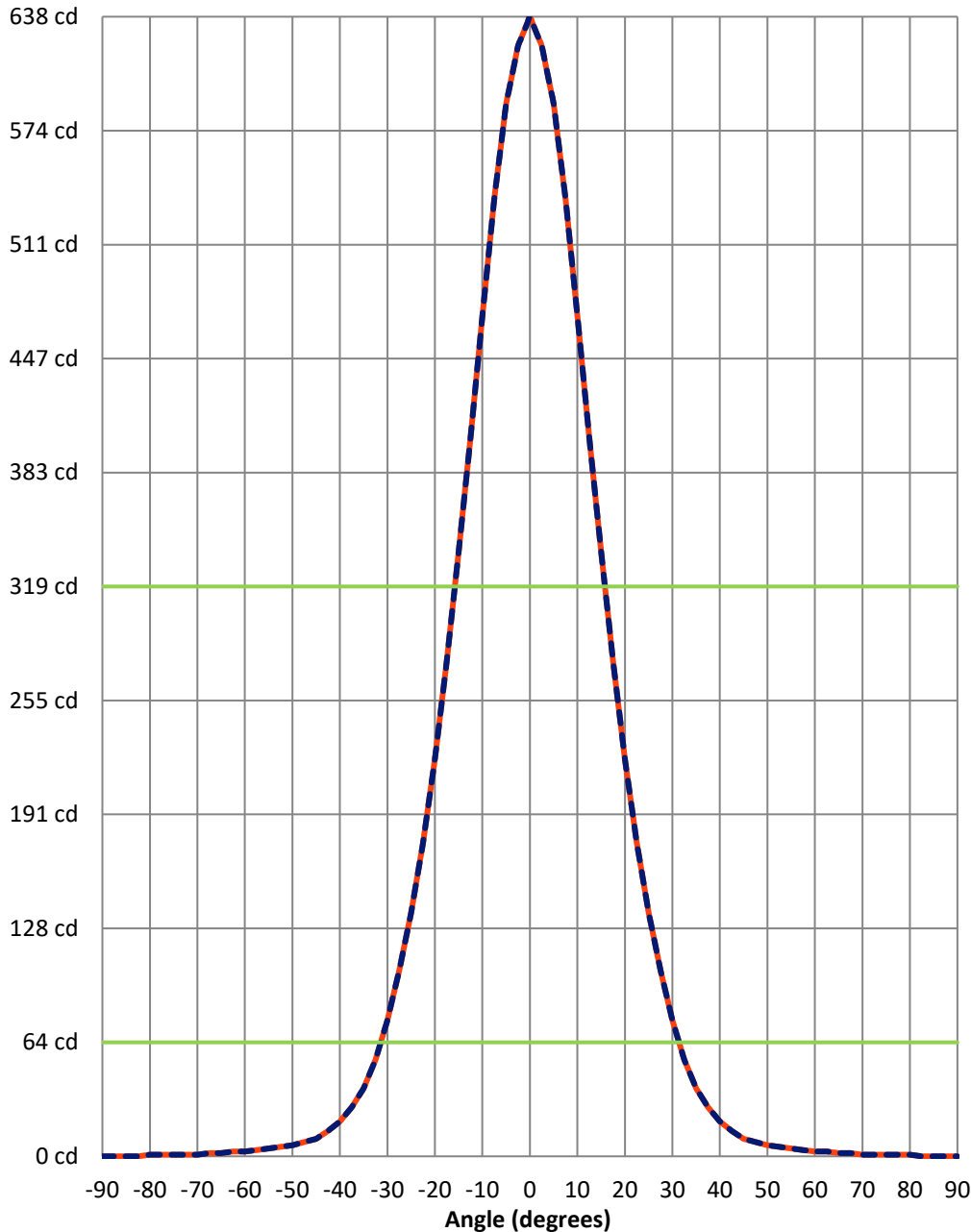
REPORT NUMBER: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 203-8LED3025-12-CS-DIFF

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 31.6°  
 V Angle: 31.6°  
 Lumens: 103.3  
 Efficiency: 41.4%

**Field:**  
 H Angle: 62.8°  
 V Angle: 62.8°  
 Lumens: 212.1  
 Efficiency: 85.1%

**Spill:**  
 Lumens: 37.1  
 Efficiency: 14.9%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 0-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	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	1
47.5°	0	0	0	0	0	0	1	1	1	1	1
45°	0	0	0	0	0	0	1	1	1	1	1
42.5°	0	0	0	0	0	1	1	1	1	1	1
40°	0	0	0	0	0	1	1	1	1	1	1
37.5°	0	0	0	0	0	1	1	1	1	1	1
35°	0	0	0	0	0	1	1	1	1	1	1
32.5°	0	0	0	0	0	1	1	1	1	1	1
30°	0	0	0	0	0	1	1	1	1	1	1
27.5°	0	0	0	0	0	1	1	1	1	1	2
25°	0	0	0	0	1	1	1	1	1	1	2
22.5°	0	0	0	0	1	1	1	1	1	1	2
20°	0	0	0	0	1	1	1	1	1	1	2
17.5°	0	0	0	0	1	1	1	1	1	1	2
15°	0	0	0	0	1	1	1	1	1	2	2
12.5°	0	0	0	0	1	1	1	1	1	2	2
10°	0	0	0	0	1	1	1	1	1	2	2
7.5°	0	0	0	0	1	1	1	1	1	2	2
5°	0	0	0	0	1	1	1	1	1	2	2
2.5°	0	0	0	0	1	1	1	1	1	2	2
0°	0	0	0	0	1	1	1	1	1	2	2
-2.5°	0	0	0	0	1	1	1	1	1	2	2
-5°	0	0	0	0	1	1	1	1	1	2	2
-7.5°	0	0	0	0	1	1	1	1	1	2	2
-10°	0	0	0	0	1	1	1	1	1	2	2
-12.5°	0	0	0	0	1	1	1	1	1	2	2
-15°	0	0	0	0	1	1	1	1	1	2	2
-17.5°	0	0	0	0	1	1	1	1	1	1	2
-20°	0	0	0	0	1	1	1	1	1	1	2



REPORT NUMBER: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED3025-12-CS-DIFF

**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	1	1	1	2
-25°	0	0	0	0	1	1	1	1	1	1	2
-27.5°	0	0	0	0	0	1	1	1	1	1	2
-30°	0	0	0	0	0	1	1	1	1	1	1
-32.5°	0	0	0	0	0	1	1	1	1	1	1
-35°	0	0	0	0	0	1	1	1	1	1	1
-37.5°	0	0	0	0	0	1	1	1	1	1	1
-40°	0	0	0	0	0	1	1	1	1	1	1
-42.5°	0	0	0	0	0	1	1	1	1	1	1
-45°	0	0	0	0	0	0	1	1	1	1	1
-47.5°	0	0	0	0	0	0	1	1	1	1	1
-50°	0	0	0	0	0	0	1	1	1	1	1
-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: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3025-12-CS-DIFF

**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	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	2	2
57.5°	1	1	1	1	1	1	1	2	2	2	2
55°	1	1	1	1	1	1	2	2	2	2	3
52.5°	1	1	1	1	2	2	2	2	2	3	3
50°	1	1	1	1	2	2	2	3	3	3	3
47.5°	1	1	1	2	2	2	3	3	3	3	3
45°	1	1	2	2	2	3	3	3	3	4	4
42.5°	1	1	2	2	2	3	3	3	4	4	5
40°	1	2	2	2	3	3	3	4	4	5	5
37.5°	1	2	2	3	3	3	3	4	5	5	6
35°	2	2	2	3	3	3	4	5	5	6	7
32.5°	2	2	3	3	3	4	4	5	6	6	8
30°	2	2	3	3	3	4	5	5	6	7	9
27.5°	2	2	3	3	4	4	5	6	7	8	10
25°	2	3	3	3	4	5	5	6	8	9	12
22.5°	2	3	3	3	4	5	6	7	8	10	14
20°	2	3	3	4	4	5	6	7	9	12	16
17.5°	2	3	3	4	5	5	6	8	10	13	18
15°	2	3	3	4	5	6	7	8	11	15	20
12.5°	2	3	3	4	5	6	7	9	12	16	22
10°	3	3	3	4	5	6	7	9	13	17	24
7.5°	3	3	3	4	5	6	8	9	13	18	25
5°	3	3	3	4	5	6	8	10	14	19	27
2.5°	3	3	3	4	5	6	8	10	14	19	27
0°	3	3	4	4	5	6	8	10	14	20	28
-2.5°	3	3	3	4	5	6	8	10	14	19	27
-5°	3	3	3	4	5	6	8	10	14	19	27
-7.5°	3	3	3	4	5	6	8	9	13	18	25
-10°	3	3	3	4	5	6	7	9	13	17	24
-12.5°	2	3	3	4	5	6	7	9	12	16	22
-15°	2	3	3	4	5	6	7	8	11	15	20
-17.5°	2	3	3	4	5	5	6	8	10	13	18
-20°	2	3	3	4	4	5	6	7	9	12	16



REPORT NUMBER: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3025-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2	3	3	3	4	5	6	7	8	10	14
-25°	2	3	3	3	4	5	5	6	8	9	12
-27.5°	2	2	3	3	4	4	5	6	7	8	10
-30°	2	2	3	3	3	4	5	5	6	7	9
-32.5°	2	2	3	3	3	4	4	5	6	6	8
-35°	2	2	2	3	3	3	4	5	5	6	7
-37.5°	1	2	2	3	3	3	3	4	5	5	6
-40°	1	2	2	2	3	3	3	4	4	5	5
-42.5°	1	1	2	2	2	3	3	3	4	4	5
-45°	1	1	2	2	2	3	3	3	3	4	4
-47.5°	1	1	1	2	2	2	3	3	3	3	3
-50°	1	1	1	1	2	2	2	3	3	3	3
-52.5°	1	1	1	1	2	2	2	2	2	3	3
-55°	1	1	1	1	1	1	2	2	2	2	3
-57.5°	1	1	1	1	1	1	1	2	2	2	2
-60°	1	1	1	1	1	1	1	1	1	2	2
-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°	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: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3025-12-CS-DIFF

**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	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	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	2	2	2
65°	1	1	1	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	3
60°	2	2	2	2	3	3	3	3	3	3	3
57.5°	2	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	4	4	4	4	4
52.5°	3	3	3	4	4	4	4	5	5	5	5
50°	3	4	4	4	5	5	5	5	6	6	6
47.5°	4	4	5	5	5	6	6	6	7	7	7
45°	5	5	5	6	6	7	7	8	8	9	9
42.5°	5	6	6	7	8	8	9	10	11	12	13
40°	6	6	7	8	9	10	12	13	15	16	17
37.5°	7	8	9	10	12	14	16	18	20	22	24
35°	8	9	10	13	15	18	21	24	27	30	33
32.5°	9	10	13	16	19	23	27	32	36	41	46
30°	10	13	17	20	25	30	36	42	49	56	63
27.5°	13	16	20	26	32	38	47	57	67	76	86
25°	15	19	25	32	40	50	62	75	88	101	112
22.5°	18	23	30	38	50	64	79	96	112	128	143
20°	21	27	36	47	62	79	99	118	139	160	180
17.5°	24	32	42	57	75	96	118	143	169	195	221
15°	27	36	49	67	88	112	139	169	200	235	267
12.5°	30	41	56	76	101	128	160	195	235	275	314
10°	33	46	63	86	112	143	180	221	267	314	361
7.5°	35	49	69	93	122	156	197	245	295	350	403
5°	37	52	73	99	130	166	210	262	318	378	438
2.5°	38	54	75	103	135	173	219	273	333	396	462
0°	38	54	76	104	137	176	223	277	339	403	471
-2.5°	38	54	75	103	135	173	219	273	333	396	462
-5°	37	52	73	99	130	166	210	262	318	378	438
-7.5°	35	49	69	93	122	156	197	245	295	350	403
-10°	33	46	63	86	112	143	180	221	267	314	361
-12.5°	30	41	56	76	101	128	160	195	235	275	314
-15°	27	36	49	67	88	112	139	169	200	235	267
-17.5°	24	32	42	57	75	96	118	143	169	195	221
-20°	21	27	36	47	62	79	99	118	139	160	180



REPORT NUMBER: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3025-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	18	23	30	38	50	64	79	96	112	128	143
-25°	15	19	25	32	40	50	62	75	88	101	112
-27.5°	13	16	20	26	32	38	47	57	67	76	86
-30°	10	13	17	20	25	30	36	42	49	56	63
-32.5°	9	10	13	16	19	23	27	32	36	41	46
-35°	8	9	10	13	15	18	21	24	27	30	33
-37.5°	7	8	9	10	12	14	16	18	20	22	24
-40°	6	6	7	8	9	10	12	13	15	16	17
-42.5°	5	6	6	7	8	8	9	10	11	12	13
-45°	5	5	5	6	6	7	7	8	8	9	9
-47.5°	4	4	5	5	5	6	6	6	7	7	7
-50°	3	4	4	4	5	5	5	5	6	6	6
-52.5°	3	3	3	4	4	4	4	5	5	5	5
-55°	3	3	3	3	3	3	4	4	4	4	4
-57.5°	2	3	3	3	3	3	3	3	3	3	3
-60°	2	2	2	2	3	3	3	3	3	3	3
-62.5°	2	2	2	2	2	2	2	2	2	2	3
-65°	1	1	1	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	1	2	2	2
-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°	1	1	1	1	1	1	1	1	1	1	1
-80°	0	0	0	0	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: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3025-12-CS-DIFF

**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	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°	2	2	2	2	2	2	2	2	2	2	1
65°	2	2	2	2	2	2	2	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	2	2	2
60°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	4	3	3	3	3	3	3	3
55°	4	4	4	4	4	4	4	4	4	4	4
52.5°	5	5	5	5	5	5	5	5	5	5	5
50°	6	6	6	6	6	6	6	6	6	6	5
47.5°	8	8	8	8	8	8	8	7	7	7	6
45°	9	10	10	10	10	10	9	9	9	8	8
42.5°	13	14	14	14	14	14	13	13	12	11	10
40°	18	19	19	20	19	19	18	17	16	15	13
37.5°	25	27	27	28	27	27	25	24	22	20	18
35°	35	37	38	38	38	37	35	33	30	27	24
32.5°	49	52	54	54	54	52	49	46	41	36	32
30°	69	73	75	76	75	73	69	63	56	49	42
27.5°	93	99	103	104	103	99	93	86	76	67	57
25°	122	130	135	137	135	130	122	112	101	88	75
22.5°	156	166	173	176	173	166	156	143	128	112	96
20°	197	210	219	223	219	210	197	180	160	139	118
17.5°	245	262	273	277	273	262	245	221	195	169	143
15°	295	318	333	339	333	318	295	267	235	200	169
12.5°	350	378	396	403	396	378	350	314	275	235	195
10°	403	438	462	471	462	438	403	361	314	267	221
7.5°	454	497	526	536	526	497	454	403	350	295	245
5°	497	547	579	590	579	547	497	438	378	318	262
2.5°	526	579	611	622	611	579	526	462	396	333	273
0°	536	590	622	638	622	590	536	471	403	339	277
-2.5°	526	579	611	622	611	579	526	462	396	333	273
-5°	497	547	579	590	579	547	497	438	378	318	262
-7.5°	454	497	526	536	526	497	454	403	350	295	245
-10°	403	438	462	471	462	438	403	361	314	267	221
-12.5°	350	378	396	403	396	378	350	314	275	235	195
-15°	295	318	333	339	333	318	295	267	235	200	169
-17.5°	245	262	273	277	273	262	245	221	195	169	143
-20°	197	210	219	223	219	210	197	180	160	139	118



REPORT NUMBER: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3025-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	156	166	173	176	173	166	156	143	128	112	96
-25°	122	130	135	137	135	130	122	112	101	88	75
-27.5°	93	99	103	104	103	99	93	86	76	67	57
-30°	69	73	75	76	75	73	69	63	56	49	42
-32.5°	49	52	54	54	54	52	49	46	41	36	32
-35°	35	37	38	38	38	37	35	33	30	27	24
-37.5°	25	27	27	28	27	27	25	24	22	20	18
-40°	18	19	19	20	19	19	18	17	16	15	13
-42.5°	13	14	14	14	14	14	13	13	12	11	10
-45°	9	10	10	10	10	10	9	9	9	8	8
-47.5°	8	8	8	8	8	8	8	7	7	7	6
-50°	6	6	6	6	6	6	6	6	6	6	5
-52.5°	5	5	5	5	5	5	5	5	5	5	5
-55°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	3	3	3	4	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	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	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°	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: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3025-12-CS-DIFF

**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	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°	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°	2	2	2	2	1	1	1	1	1	1	1
62.5°	2	2	2	2	2	2	2	1	1	1	1
60°	3	3	3	2	2	2	2	2	2	1	1
57.5°	3	3	3	3	3	3	2	2	2	2	2
55°	4	3	3	3	3	3	3	3	2	2	2
52.5°	4	4	4	4	3	3	3	3	3	2	2
50°	5	5	5	4	4	4	3	3	3	3	3
47.5°	6	6	5	5	5	4	4	3	3	3	3
45°	7	7	6	6	5	5	5	4	4	3	3
42.5°	9	8	8	7	6	6	5	5	4	4	3
40°	12	10	9	8	7	6	6	5	5	4	4
37.5°	16	14	12	10	9	8	7	6	5	5	4
35°	21	18	15	13	10	9	8	7	6	5	5
32.5°	27	23	19	16	13	10	9	8	6	6	5
30°	36	30	25	20	17	13	10	9	7	6	5
27.5°	47	38	32	26	20	16	13	10	8	7	6
25°	62	50	40	32	25	19	15	12	9	8	6
22.5°	79	64	50	38	30	23	18	14	10	8	7
20°	99	79	62	47	36	27	21	16	12	9	7
17.5°	118	96	75	57	42	32	24	18	13	10	8
15°	139	112	88	67	49	36	27	20	15	11	8
12.5°	160	128	101	76	56	41	30	22	16	12	9
10°	180	143	112	86	63	46	33	24	17	13	9
7.5°	197	156	122	93	69	49	35	25	18	13	9
5°	210	166	130	99	73	52	37	27	19	14	10
2.5°	219	173	135	103	75	54	38	27	19	14	10
0°	223	176	137	104	76	54	38	28	20	14	10
-2.5°	219	173	135	103	75	54	38	27	19	14	10
-5°	210	166	130	99	73	52	37	27	19	14	10
-7.5°	197	156	122	93	69	49	35	25	18	13	9
-10°	180	143	112	86	63	46	33	24	17	13	9
-12.5°	160	128	101	76	56	41	30	22	16	12	9
-15°	139	112	88	67	49	36	27	20	15	11	8
-17.5°	118	96	75	57	42	32	24	18	13	10	8
-20°	99	79	62	47	36	27	21	16	12	9	7



REPORT NUMBER: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED3025-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	79	64	50	38	30	23	18	14	10	8	7
-25°	62	50	40	32	25	19	15	12	9	8	6
-27.5°	47	38	32	26	20	16	13	10	8	7	6
-30°	36	30	25	20	17	13	10	9	7	6	5
-32.5°	27	23	19	16	13	10	9	8	6	6	5
-35°	21	18	15	13	10	9	8	7	6	5	5
-37.5°	16	14	12	10	9	8	7	6	5	5	4
-40°	12	10	9	8	7	6	6	5	5	4	4
-42.5°	9	8	8	7	6	6	5	5	4	4	3
-45°	7	7	6	6	5	5	5	4	4	3	3
-47.5°	6	6	5	5	5	4	4	3	3	3	3
-50°	5	5	5	4	4	4	3	3	3	3	3
-52.5°	4	4	4	4	3	3	3	3	3	2	2
-55°	4	3	3	3	3	3	3	3	2	2	2
-57.5°	3	3	3	3	3	3	2	2	2	2	2
-60°	3	3	3	2	2	2	2	2	2	1	1
-62.5°	2	2	2	2	2	2	2	1	1	1	1
-65°	2	2	2	2	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°	1	1	1	1	1	1	1	1	1	1	0
-80°	1	1	1	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: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3025-12-CS-DIFF

**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°	1	1	1	1	1	1	1	1	1	0	0
62.5°	1	1	1	1	1	1	1	1	1	1	0
60°	1	1	1	1	1	1	1	1	1	1	0
57.5°	1	1	1	1	1	1	1	1	1	1	1
55°	2	1	1	1	1	1	1	1	1	1	1
52.5°	2	2	2	1	1	1	1	1	1	1	1
50°	2	2	2	1	1	1	1	1	1	1	1
47.5°	3	2	2	2	1	1	1	1	1	1	1
45°	3	3	2	2	2	1	1	1	1	1	1
42.5°	3	3	2	2	2	1	1	1	1	1	1
40°	3	3	3	2	2	2	1	1	1	1	1
37.5°	3	3	3	3	2	2	1	1	1	1	1
35°	4	3	3	3	2	2	2	1	1	1	1
32.5°	4	4	3	3	3	2	2	1	1	1	1
30°	5	4	3	3	3	2	2	1	1	1	1
27.5°	5	4	4	3	3	2	2	2	1	1	1
25°	5	5	4	3	3	3	2	2	1	1	1
22.5°	6	5	4	3	3	3	2	2	1	1	1
20°	6	5	4	4	3	3	2	2	1	1	1
17.5°	6	5	5	4	3	3	2	2	1	1	1
15°	7	6	5	4	3	3	2	2	2	1	1
12.5°	7	6	5	4	3	3	2	2	2	1	1
10°	7	6	5	4	3	3	3	2	2	1	1
7.5°	8	6	5	4	3	3	3	2	2	1	1
5°	8	6	5	4	3	3	3	2	2	1	1
2.5°	8	6	5	4	3	3	3	2	2	1	1
0°	8	6	5	4	4	3	3	2	2	1	1
-2.5°	8	6	5	4	3	3	3	2	2	1	1
-5°	8	6	5	4	3	3	3	2	2	1	1
-7.5°	8	6	5	4	3	3	3	2	2	1	1
-10°	7	6	5	4	3	3	3	2	2	1	1
-12.5°	7	6	5	4	3	3	2	2	2	1	1
-15°	7	6	5	4	3	3	2	2	2	1	1
-17.5°	6	5	5	4	3	3	2	2	1	1	1
-20°	6	5	4	4	3	3	2	2	1	1	1



REPORT NUMBER: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3025-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6	5	4	3	3	3	2	2	1	1	1
-25°	5	5	4	3	3	3	2	2	1	1	1
-27.5°	5	4	4	3	3	2	2	2	1	1	1
-30°	5	4	3	3	3	2	2	1	1	1	1
-32.5°	4	4	3	3	3	2	2	1	1	1	1
-35°	4	3	3	3	2	2	2	1	1	1	1
-37.5°	3	3	3	3	2	2	1	1	1	1	1
-40°	3	3	3	2	2	2	1	1	1	1	1
-42.5°	3	3	2	2	2	1	1	1	1	1	1
-45°	3	3	2	2	2	1	1	1	1	1	1
-47.5°	3	2	2	2	1	1	1	1	1	1	1
-50°	2	2	2	1	1	1	1	1	1	1	1
-52.5°	2	2	2	1	1	1	1	1	1	1	1
-55°	2	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	0
-62.5°	1	1	1	1	1	1	1	1	1	1	0
-65°	1	1	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: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3025-12-CS-DIFF

**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	1	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°	1	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: P246979 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3025-12-CS-DIFF

**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	1	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)