

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: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED2736-12-CS-OSL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-47)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-8LED2736-12-CS-OSL  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD SILVER, OVERALL SPREAD LENS  
Light Source: (1) SORAA 2700K 90 CRI LED  
SM16-07-36D-927-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

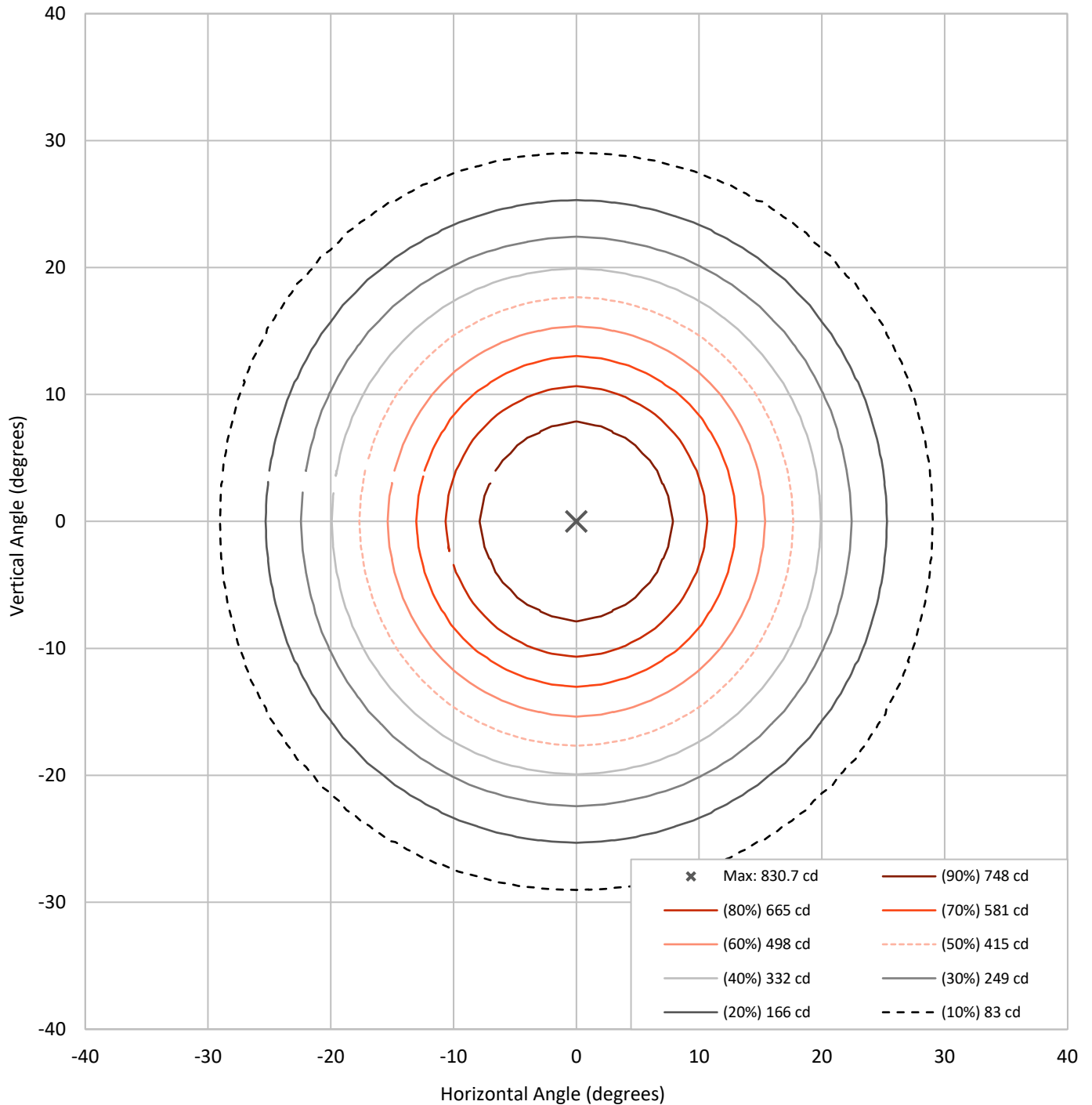
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	317.9 lumens	Max Intensity:	830.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	41.8 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	35.4°H x 35.4°V	Field Angle (10%):	58.1°H x 58.1°V
Beam Lumens:	179.5 lumens	Field Lumens:	288 lumens
Beam Efficiency:	56.5%	Field Efficiency:	90.6%
Input Watts (W):	7.6		
Input Voltage (V):	NR		
Input Current (A <sub>in</sub> ):	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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CATALOG NUMBER: 203-8LED2736-12-CS-OSL

### Iso-Candela Plot





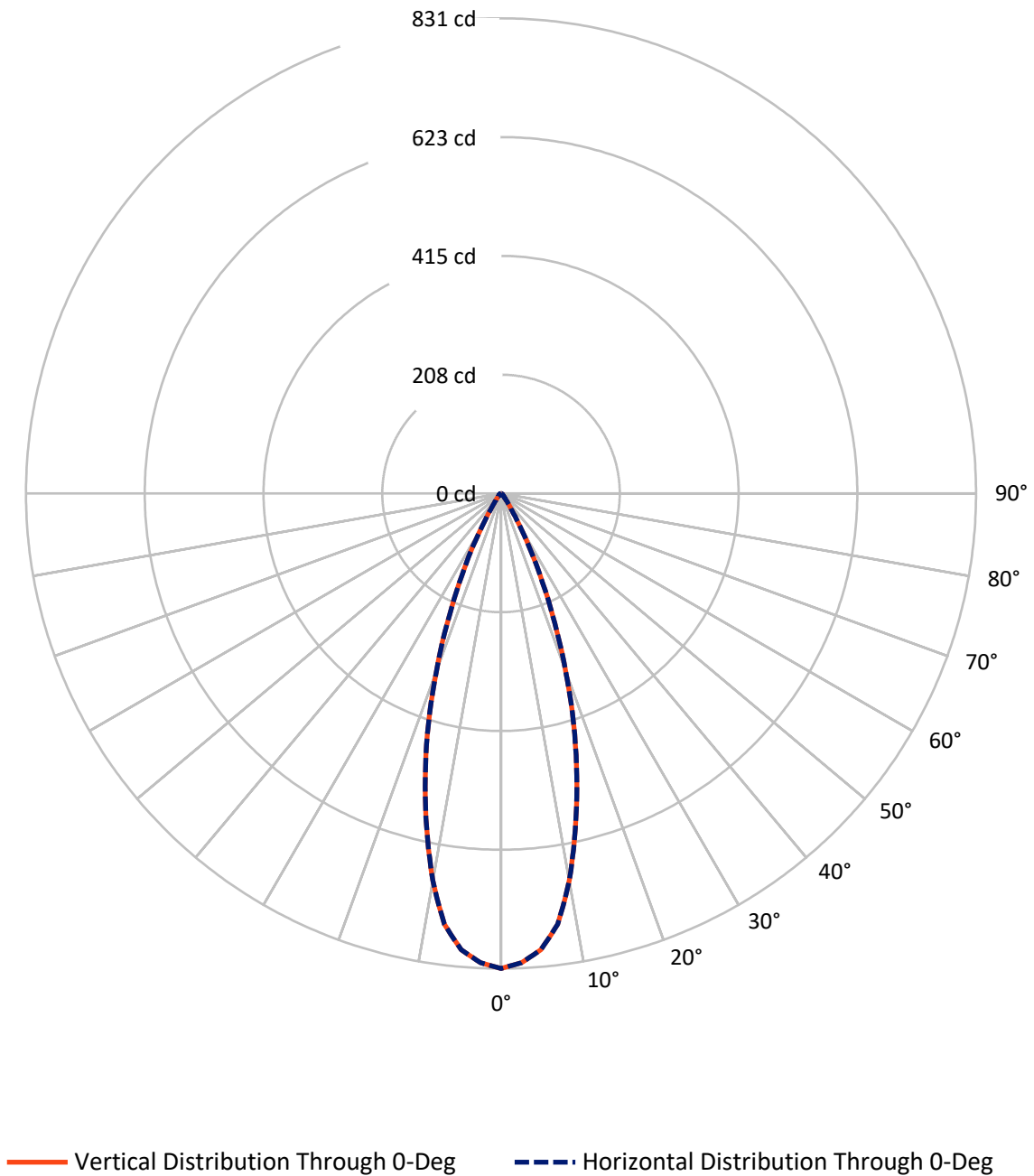
REPORT NUMBER: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table

90	0.0															
80	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
70	0.0															
60	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0															
40	0.0		0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0
30	0.0															
20	0.0		0.0	0.0	0.1	0.2	0.8	2.7	5.0	5.0	2.7	0.8	0.2	0.1	0.0	0.0
10	0.0															
0	0.0		0.0	0.1	0.1	0.6	4.6	13.9	22.3	22.3	13.9	4.6	0.6	0.1	0.1	0.0
-10	0.0															
-20	0.0		0.0	0.0	0.1	0.4	2.6	8.6	14.3	14.3	8.6	2.6	0.4	0.1	0.0	0.0
-30	0.0															
-40	0.0		0.0	0.0	0.1	0.1	0.2	0.5	0.8	0.8	0.5	0.2	0.1	0.1	0.0	0.0
-50	0.0															
-60	0.0		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
-70	0.0															
-80	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
-90	0.0															

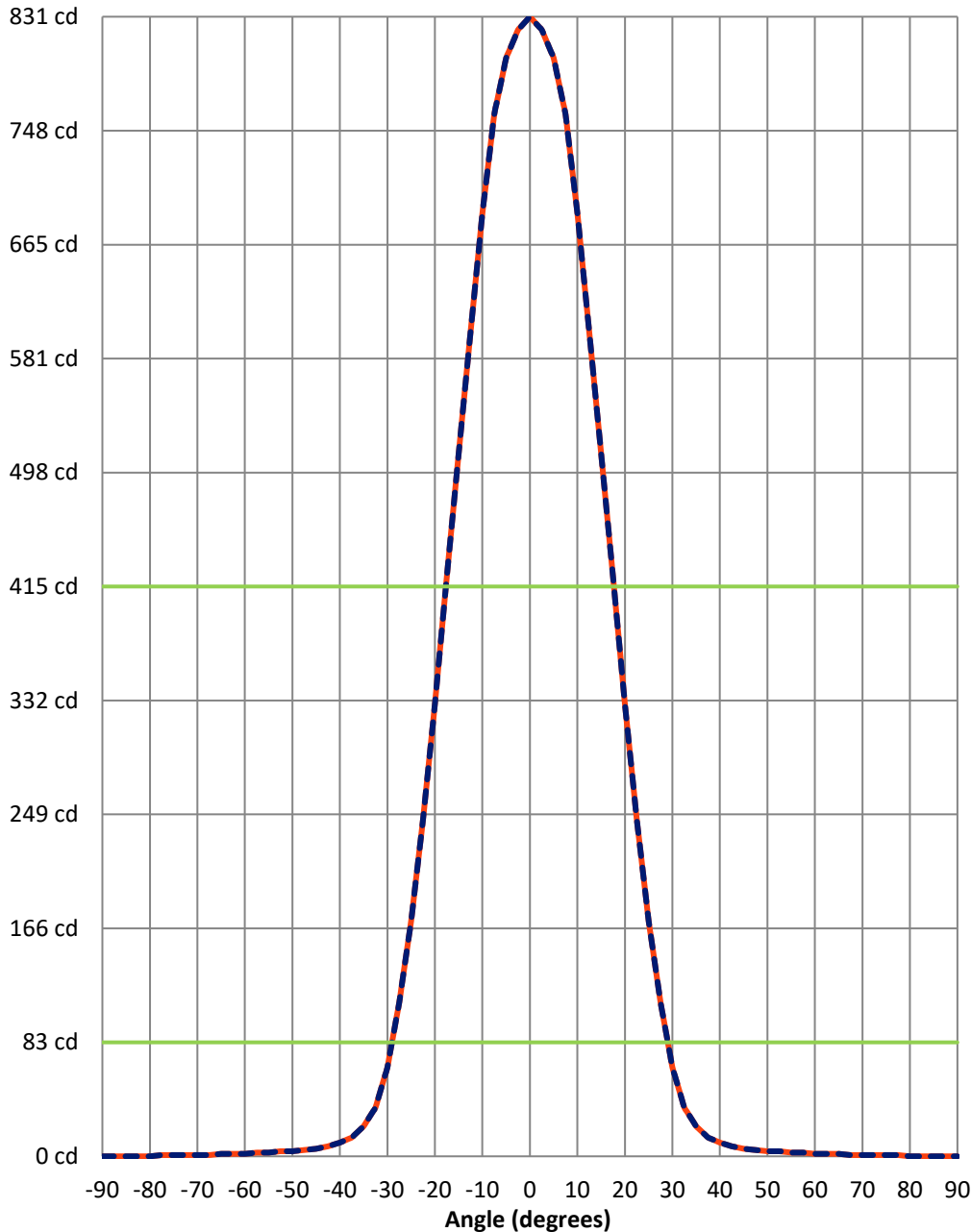
REPORT NUMBER: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 35.4°  
 V Angle: 35.4°  
 Lumens: 179.5  
 Efficiency: 56.5%

**Field:**  
 H Angle: 58.1°  
 V Angle: 58.1°  
 Lumens: 288  
 Efficiency: 90.6%

**Spill:**  
 Lumens: 29.9  
 Efficiency: 9.4%

- 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	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	1
57.5°	0	0	0	0	0	0	0	0	0	1	1
55°	0	0	0	0	0	0	0	0	0	1	1
52.5°	0	0	0	0	0	0	0	0	1	1	1
50°	0	0	0	0	0	0	0	0	1	1	1
47.5°	0	0	0	0	0	0	0	1	1	1	1
45°	0	0	0	0	0	0	0	1	1	1	1
42.5°	0	0	0	0	0	0	0	1	1	1	1
40°	0	0	0	0	0	0	1	1	1	1	1
37.5°	0	0	0	0	0	0	1	1	1	1	1
35°	0	0	0	0	0	0	1	1	1	1	1
32.5°	0	0	0	0	0	0	1	1	1	1	1
30°	0	0	0	0	0	0	1	1	1	1	1
27.5°	0	0	0	0	0	0	1	1	1	1	1
25°	0	0	0	0	0	0	1	1	1	1	1
22.5°	0	0	0	0	0	1	1	1	1	1	1
20°	0	0	0	0	0	1	1	1	1	1	1
17.5°	0	0	0	0	0	1	1	1	1	1	1
15°	0	0	0	0	0	1	1	1	1	1	1
12.5°	0	0	0	0	0	1	1	1	1	1	2
10°	0	0	0	0	0	1	1	1	1	1	2
7.5°	0	0	0	0	0	1	1	1	1	1	2
5°	0	0	0	0	0	1	1	1	1	1	2
2.5°	0	0	0	0	0	1	1	1	1	1	2
0°	0	0	0	0	0	1	1	1	1	1	2
-2.5°	0	0	0	0	0	1	1	1	1	1	2
-5°	0	0	0	0	0	1	1	1	1	1	2
-7.5°	0	0	0	0	0	1	1	1	1	1	2
-10°	0	0	0	0	0	1	1	1	1	1	2
-12.5°	0	0	0	0	0	1	1	1	1	1	2
-15°	0	0	0	0	0	1	1	1	1	1	1
-17.5°	0	0	0	0	0	1	1	1	1	1	1
-20°	0	0	0	0	0	1	1	1	1	1	1



REPORT NUMBER: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-CS-OSL

**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	1	1	1	1	1	1
-25°	0	0	0	0	0	0	1	1	1	1	1
-27.5°	0	0	0	0	0	0	1	1	1	1	1
-30°	0	0	0	0	0	0	1	1	1	1	1
-32.5°	0	0	0	0	0	0	1	1	1	1	1
-35°	0	0	0	0	0	0	1	1	1	1	1
-37.5°	0	0	0	0	0	0	1	1	1	1	1
-40°	0	0	0	0	0	0	1	1	1	1	1
-42.5°	0	0	0	0	0	0	0	1	1	1	1
-45°	0	0	0	0	0	0	0	1	1	1	1
-47.5°	0	0	0	0	0	0	0	1	1	1	1
-50°	0	0	0	0	0	0	0	0	1	1	1
-52.5°	0	0	0	0	0	0	0	0	1	1	1
-55°	0	0	0	0	0	0	0	0	0	1	1
-57.5°	0	0	0	0	0	0	0	0	0	1	1
-60°	0	0	0	0	0	0	0	0	0	0	1
-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: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-CS-OSL

**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	1	1
72.5°	0	0	0	0	0	0	1	1	1	1	1
70°	0	0	0	0	1	1	1	1	1	1	1
67.5°	0	0	1	1	1	1	1	1	1	1	1
65°	0	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	2	2
55°	1	1	1	1	1	1	1	1	2	2	2
52.5°	1	1	1	1	1	1	2	2	2	2	2
50°	1	1	1	1	1	2	2	2	2	2	2
47.5°	1	1	1	1	2	2	2	2	2	2	3
45°	1	1	1	1	2	2	2	2	2	3	3
42.5°	1	1	1	2	2	2	2	2	3	3	3
40°	1	1	2	2	2	2	2	3	3	3	4
37.5°	1	1	2	2	2	2	3	3	3	4	4
35°	1	2	2	2	2	2	3	3	4	4	4
32.5°	1	2	2	2	2	3	3	3	4	4	4
30°	1	2	2	2	2	3	3	4	4	4	5
27.5°	2	2	2	2	3	3	3	4	4	5	5
25°	2	2	2	2	3	3	4	4	4	5	6
22.5°	2	2	2	3	3	3	4	4	5	6	7
20°	2	2	2	3	3	4	4	4	5	6	8
17.5°	2	2	2	3	3	4	4	5	5	7	9
15°	2	2	2	3	3	4	4	5	6	8	10
12.5°	2	2	2	3	3	4	4	5	6	8	11
10°	2	2	3	3	3	4	4	5	7	9	12
7.5°	2	2	3	3	4	4	4	5	7	9	13
5°	2	2	3	3	4	4	5	5	7	10	13
2.5°	2	2	3	3	4	4	5	5	7	10	14
0°	2	2	3	3	4	4	5	6	7	10	14
-2.5°	2	2	3	3	4	4	5	5	7	10	14
-5°	2	2	3	3	4	4	5	5	7	10	13
-7.5°	2	2	3	3	4	4	4	5	7	9	13
-10°	2	2	3	3	3	4	4	5	7	9	12
-12.5°	2	2	2	3	3	4	4	5	6	8	11
-15°	2	2	2	3	3	4	4	5	6	8	10
-17.5°	2	2	2	3	3	4	4	5	5	7	9
-20°	2	2	2	3	3	4	4	4	5	6	8



REPORT NUMBER: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-CS-OSL

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2	2	2	3	3	3	4	4	5	6	7
-25°	2	2	2	2	3	3	4	4	4	5	6
-27.5°	2	2	2	2	3	3	3	4	4	5	5
-30°	1	2	2	2	2	3	3	4	4	4	5
-32.5°	1	2	2	2	2	3	3	3	4	4	4
-35°	1	2	2	2	2	2	3	3	4	4	4
-37.5°	1	1	2	2	2	2	3	3	3	4	4
-40°	1	1	2	2	2	2	2	3	3	3	4
-42.5°	1	1	1	2	2	2	2	2	3	3	3
-45°	1	1	1	1	2	2	2	2	2	3	3
-47.5°	1	1	1	1	2	2	2	2	2	2	3
-50°	1	1	1	1	1	2	2	2	2	2	2
-52.5°	1	1	1	1	1	1	2	2	2	2	2
-55°	1	1	1	1	1	1	1	1	2	2	2
-57.5°	1	1	1	1	1	1	1	1	1	2	2
-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°	0	1	1	1	1	1	1	1	1	1	1
-67.5°	0	0	1	1	1	1	1	1	1	1	1
-70°	0	0	0	0	1	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	0	0	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: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-CS-OSL

**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	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	1	1	1
65°	1	1	1	1	1	1	1	1	1	2	2
62.5°	1	1	1	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	3
55°	2	2	2	2	2	3	3	3	3	3	3
52.5°	2	2	2	3	3	3	3	3	3	3	3
50°	2	3	3	3	3	3	4	4	4	4	4
47.5°	3	3	3	3	4	4	4	4	4	4	4
45°	3	3	4	4	4	4	4	5	5	5	5
42.5°	4	4	4	4	4	5	5	5	6	6	7
40°	4	4	4	5	5	6	6	7	8	8	9
37.5°	4	4	5	5	6	7	8	9	10	11	12
35°	4	5	6	7	8	9	10	12	13	16	18
32.5°	5	6	7	8	10	12	14	17	20	24	28
30°	6	7	8	10	13	16	20	26	32	38	48
27.5°	7	8	10	13	17	22	30	39	53	65	79
25°	8	10	13	17	23	32	46	63	83	106	128
22.5°	9	12	16	22	32	48	69	97	127	157	185
20°	10	14	20	30	46	69	101	139	177	216	253
17.5°	12	17	26	39	63	97	139	184	233	282	327
15°	13	20	32	53	83	127	177	233	292	351	406
12.5°	16	24	38	65	106	157	216	282	351	418	478
10°	18	28	48	79	128	185	253	327	406	478	544
7.5°	20	31	55	93	146	209	285	367	450	528	601
5°	21	34	60	103	160	228	309	398	484	567	647
2.5°	22	35	64	110	169	241	324	416	505	592	677
0°	22	36	65	112	172	246	330	422	512	601	687
-2.5°	22	35	64	110	169	241	324	416	505	592	677
-5°	21	34	60	103	160	228	309	398	484	567	647
-7.5°	20	31	55	93	146	209	285	367	450	528	601
-10°	18	28	48	79	128	185	253	327	406	478	544
-12.5°	16	24	38	65	106	157	216	282	351	418	478
-15°	13	20	32	53	83	127	177	233	292	351	406
-17.5°	12	17	26	39	63	97	139	184	233	282	327
-20°	10	14	20	30	46	69	101	139	177	216	253



REPORT NUMBER: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-CS-OSL

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9	12	16	22	32	48	69	97	127	157	185
-25°	8	10	13	17	23	32	46	63	83	106	128
-27.5°	7	8	10	13	17	22	30	39	53	65	79
-30°	6	7	8	10	13	16	20	26	32	38	48
-32.5°	5	6	7	8	10	12	14	17	20	24	28
-35°	4	5	6	7	8	9	10	12	13	16	18
-37.5°	4	4	5	5	6	7	8	9	10	11	12
-40°	4	4	4	5	5	6	6	7	8	8	9
-42.5°	4	4	4	4	4	5	5	5	6	6	7
-45°	3	3	4	4	4	4	4	5	5	5	5
-47.5°	3	3	3	3	4	4	4	4	4	4	4
-50°	2	3	3	3	3	3	4	4	4	4	4
-52.5°	2	2	2	3	3	3	3	3	3	3	3
-55°	2	2	2	2	2	3	3	3	3	3	3
-57.5°	2	2	2	2	2	2	2	2	2	2	3
-60°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	1	1	1	2	2	2	2	2	2	2	2
-65°	1	1	1	1	1	1	1	1	1	2	2
-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	1	1	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: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-CS-OSL

**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°	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	1	1	1
65°	2	2	2	2	2	2	2	2	2	1	1
62.5°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
57.5°	3	3	3	3	3	3	3	3	2	2	2
55°	3	3	3	3	3	3	3	3	3	3	3
52.5°	4	4	4	4	4	4	4	3	3	3	3
50°	4	4	4	4	4	4	4	4	4	4	4
47.5°	4	5	5	5	5	5	4	4	4	4	4
45°	5	5	5	6	5	5	5	5	5	5	5
42.5°	7	7	7	7	7	7	7	7	6	6	5
40°	9	10	10	10	10	10	9	9	8	8	7
37.5°	13	13	14	14	14	13	13	12	11	10	9
35°	20	21	22	22	22	21	20	18	16	13	12
32.5°	31	34	35	36	35	34	31	28	24	20	17
30°	55	60	64	65	64	60	55	48	38	32	26
27.5°	93	103	110	112	110	103	93	79	65	53	39
25°	146	160	169	172	169	160	146	128	106	83	63
22.5°	209	228	241	246	241	228	209	185	157	127	97
20°	285	309	324	330	324	309	285	253	216	177	139
17.5°	367	398	416	422	416	398	367	327	282	233	184
15°	450	484	505	512	505	484	450	406	351	292	233
12.5°	528	567	592	601	592	567	528	478	418	351	282
10°	601	647	677	687	677	647	601	544	478	406	327
7.5°	667	719	750	760	750	719	667	601	528	450	367
5°	719	770	793	801	793	770	719	647	567	484	398
2.5°	750	793	814	821	814	793	750	677	592	505	416
0°	760	801	821	831	821	801	760	687	601	512	422
-2.5°	750	793	814	821	814	793	750	677	592	505	416
-5°	719	770	793	801	793	770	719	647	567	484	398
-7.5°	667	719	750	760	750	719	667	601	528	450	367
-10°	601	647	677	687	677	647	601	544	478	406	327
-12.5°	528	567	592	601	592	567	528	478	418	351	282
-15°	450	484	505	512	505	484	450	406	351	292	233
-17.5°	367	398	416	422	416	398	367	327	282	233	184
-20°	285	309	324	330	324	309	285	253	216	177	139



REPORT NUMBER: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-CS-OSL

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	209	228	241	246	241	228	209	185	157	127	97
-25°	146	160	169	172	169	160	146	128	106	83	63
-27.5°	93	103	110	112	110	103	93	79	65	53	39
-30°	55	60	64	65	64	60	55	48	38	32	26
-32.5°	31	34	35	36	35	34	31	28	24	20	17
-35°	20	21	22	22	22	21	20	18	16	13	12
-37.5°	13	13	14	14	14	13	13	12	11	10	9
-40°	9	10	10	10	10	10	9	9	8	8	7
-42.5°	7	7	7	7	7	7	7	7	6	6	5
-45°	5	5	5	6	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	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	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	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	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: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-CS-OSL

**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°	1	1	0	0	0	0	0	0	0	0	0
75°	1	1	1	1	1	1	1	1	1	0	0
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°	2	2	2	2	1	1	1	1	1	1	1
60°	2	2	2	2	2	2	2	1	1	1	1
57.5°	2	2	2	2	2	2	2	2	2	1	1
55°	3	3	2	2	2	2	2	2	2	2	1
52.5°	3	3	3	3	2	2	2	2	2	2	2
50°	4	3	3	3	3	3	2	2	2	2	2
47.5°	4	4	4	3	3	3	3	3	2	2	2
45°	4	4	4	4	4	3	3	3	3	2	2
42.5°	5	5	4	4	4	4	4	3	3	3	2
40°	6	6	5	5	4	4	4	4	3	3	3
37.5°	8	7	6	5	5	4	4	4	4	3	3
35°	10	9	8	7	6	5	4	4	4	4	3
32.5°	14	12	10	8	7	6	5	4	4	4	3
30°	20	16	13	10	8	7	6	5	4	4	4
27.5°	30	22	17	13	10	8	7	5	5	4	4
25°	46	32	23	17	13	10	8	6	5	4	4
22.5°	69	48	32	22	16	12	9	7	6	5	4
20°	101	69	46	30	20	14	10	8	6	5	4
17.5°	139	97	63	39	26	17	12	9	7	5	5
15°	177	127	83	53	32	20	13	10	8	6	5
12.5°	216	157	106	65	38	24	16	11	8	6	5
10°	253	185	128	79	48	28	18	12	9	7	5
7.5°	285	209	146	93	55	31	20	13	9	7	5
5°	309	228	160	103	60	34	21	13	10	7	5
2.5°	324	241	169	110	64	35	22	14	10	7	5
0°	330	246	172	112	65	36	22	14	10	7	6
-2.5°	324	241	169	110	64	35	22	14	10	7	5
-5°	309	228	160	103	60	34	21	13	10	7	5
-7.5°	285	209	146	93	55	31	20	13	9	7	5
-10°	253	185	128	79	48	28	18	12	9	7	5
-12.5°	216	157	106	65	38	24	16	11	8	6	5
-15°	177	127	83	53	32	20	13	10	8	6	5
-17.5°	139	97	63	39	26	17	12	9	7	5	5
-20°	101	69	46	30	20	14	10	8	6	5	4



REPORT NUMBER: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-CS-OSL

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	69	48	32	22	16	12	9	7	6	5	4
-25°	46	32	23	17	13	10	8	6	5	4	4
-27.5°	30	22	17	13	10	8	7	5	5	4	4
-30°	20	16	13	10	8	7	6	5	4	4	4
-32.5°	14	12	10	8	7	6	5	4	4	4	3
-35°	10	9	8	7	6	5	4	4	4	4	3
-37.5°	8	7	6	5	5	4	4	4	4	3	3
-40°	6	6	5	5	4	4	4	4	3	3	3
-42.5°	5	5	4	4	4	4	4	3	3	3	2
-45°	4	4	4	4	4	3	3	3	3	2	2
-47.5°	4	4	4	3	3	3	3	3	2	2	2
-50°	4	3	3	3	3	3	2	2	2	2	2
-52.5°	3	3	3	3	2	2	2	2	2	2	2
-55°	3	3	2	2	2	2	2	2	2	2	1
-57.5°	2	2	2	2	2	2	2	2	2	1	1
-60°	2	2	2	2	2	2	2	1	1	1	1
-62.5°	2	2	2	2	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	0	0
-77.5°	1	1	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: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-CS-OSL

**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°	1	0	0	0	0	0	0	0	0	0	0
70°	1	1	1	0	0	0	0	0	0	0	0
67.5°	1	1	1	1	1	0	0	0	0	0	0
65°	1	1	1	1	1	1	0	0	0	0	0
62.5°	1	1	1	1	1	1	1	0	0	0	0
60°	1	1	1	1	1	1	1	1	0	0	0
57.5°	1	1	1	1	1	1	1	1	1	0	0
55°	1	1	1	1	1	1	1	1	1	0	0
52.5°	2	1	1	1	1	1	1	1	1	1	0
50°	2	2	1	1	1	1	1	1	1	1	0
47.5°	2	2	2	1	1	1	1	1	1	1	1
45°	2	2	2	1	1	1	1	1	1	1	1
42.5°	2	2	2	2	1	1	1	1	1	1	1
40°	2	2	2	2	2	1	1	1	1	1	1
37.5°	3	2	2	2	2	1	1	1	1	1	1
35°	3	2	2	2	2	2	1	1	1	1	1
32.5°	3	3	2	2	2	2	1	1	1	1	1
30°	3	3	2	2	2	2	1	1	1	1	1
27.5°	3	3	3	2	2	2	2	1	1	1	1
25°	4	3	3	2	2	2	2	1	1	1	1
22.5°	4	3	3	3	2	2	2	1	1	1	1
20°	4	4	3	3	2	2	2	1	1	1	1
17.5°	4	4	3	3	2	2	2	1	1	1	1
15°	4	4	3	3	2	2	2	1	1	1	1
12.5°	4	4	3	3	2	2	2	2	1	1	1
10°	4	4	3	3	3	2	2	2	1	1	1
7.5°	4	4	4	3	3	2	2	2	1	1	1
5°	5	4	4	3	3	2	2	2	1	1	1
2.5°	5	4	4	3	3	2	2	2	1	1	1
0°	5	4	4	3	3	2	2	2	1	1	1
-2.5°	5	4	4	3	3	2	2	2	1	1	1
-5°	5	4	4	3	3	2	2	2	1	1	1
-7.5°	4	4	4	3	3	2	2	2	1	1	1
-10°	4	4	3	3	3	2	2	2	1	1	1
-12.5°	4	4	3	3	2	2	2	2	1	1	1
-15°	4	4	3	3	2	2	2	1	1	1	1
-17.5°	4	4	3	3	2	2	2	1	1	1	1
-20°	4	4	3	3	2	2	2	1	1	1	1



REPORT NUMBER: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-CS-OSL

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4	3	3	3	2	2	2	1	1	1	1
-25°	4	3	3	2	2	2	2	1	1	1	1
-27.5°	3	3	3	2	2	2	2	1	1	1	1
-30°	3	3	2	2	2	2	1	1	1	1	1
-32.5°	3	3	2	2	2	2	1	1	1	1	1
-35°	3	2	2	2	2	2	1	1	1	1	1
-37.5°	3	2	2	2	2	1	1	1	1	1	1
-40°	2	2	2	2	2	1	1	1	1	1	1
-42.5°	2	2	2	2	1	1	1	1	1	1	1
-45°	2	2	2	1	1	1	1	1	1	1	1
-47.5°	2	2	2	1	1	1	1	1	1	1	1
-50°	2	2	1	1	1	1	1	1	1	1	0
-52.5°	2	1	1	1	1	1	1	1	1	1	0
-55°	1	1	1	1	1	1	1	1	1	0	0
-57.5°	1	1	1	1	1	1	1	1	1	0	0
-60°	1	1	1	1	1	1	1	1	0	0	0
-62.5°	1	1	1	1	1	1	1	0	0	0	0
-65°	1	1	1	1	1	1	0	0	0	0	0
-67.5°	1	1	1	1	1	0	0	0	0	0	0
-70°	1	1	1	0	0	0	0	0	0	0	0
-72.5°	1	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: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-CS-OSL

**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°	1	0	0	0	0	0	0
37.5°	1	0	0	0	0	0	0
35°	1	0	0	0	0	0	0
32.5°	1	0	0	0	0	0	0
30°	1	0	0	0	0	0	0
27.5°	1	0	0	0	0	0	0
25°	1	0	0	0	0	0	0
22.5°	1	1	0	0	0	0	0
20°	1	1	0	0	0	0	0
17.5°	1	1	0	0	0	0	0
15°	1	1	0	0	0	0	0
12.5°	1	1	0	0	0	0	0
10°	1	1	0	0	0	0	0
7.5°	1	1	0	0	0	0	0
5°	1	1	0	0	0	0	0
2.5°	1	1	0	0	0	0	0
0°	1	1	0	0	0	0	0
-2.5°	1	1	0	0	0	0	0
-5°	1	1	0	0	0	0	0
-7.5°	1	1	0	0	0	0	0
-10°	1	1	0	0	0	0	0
-12.5°	1	1	0	0	0	0	0
-15°	1	1	0	0	0	0	0
-17.5°	1	1	0	0	0	0	0
-20°	1	1	0	0	0	0	0



REPORT NUMBER: P247035 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-CS-OSL

**CANDELA DISTRIBUTION (continued):**

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