

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: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED3036-12-CS-LVR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-46)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-8LED3036-12-CS-LVR  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD SILVER, HEX CELL LOUVER  
Light Source: (1) SORAA 3000K 90 CRI LED  
SM16-07-36D-930-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

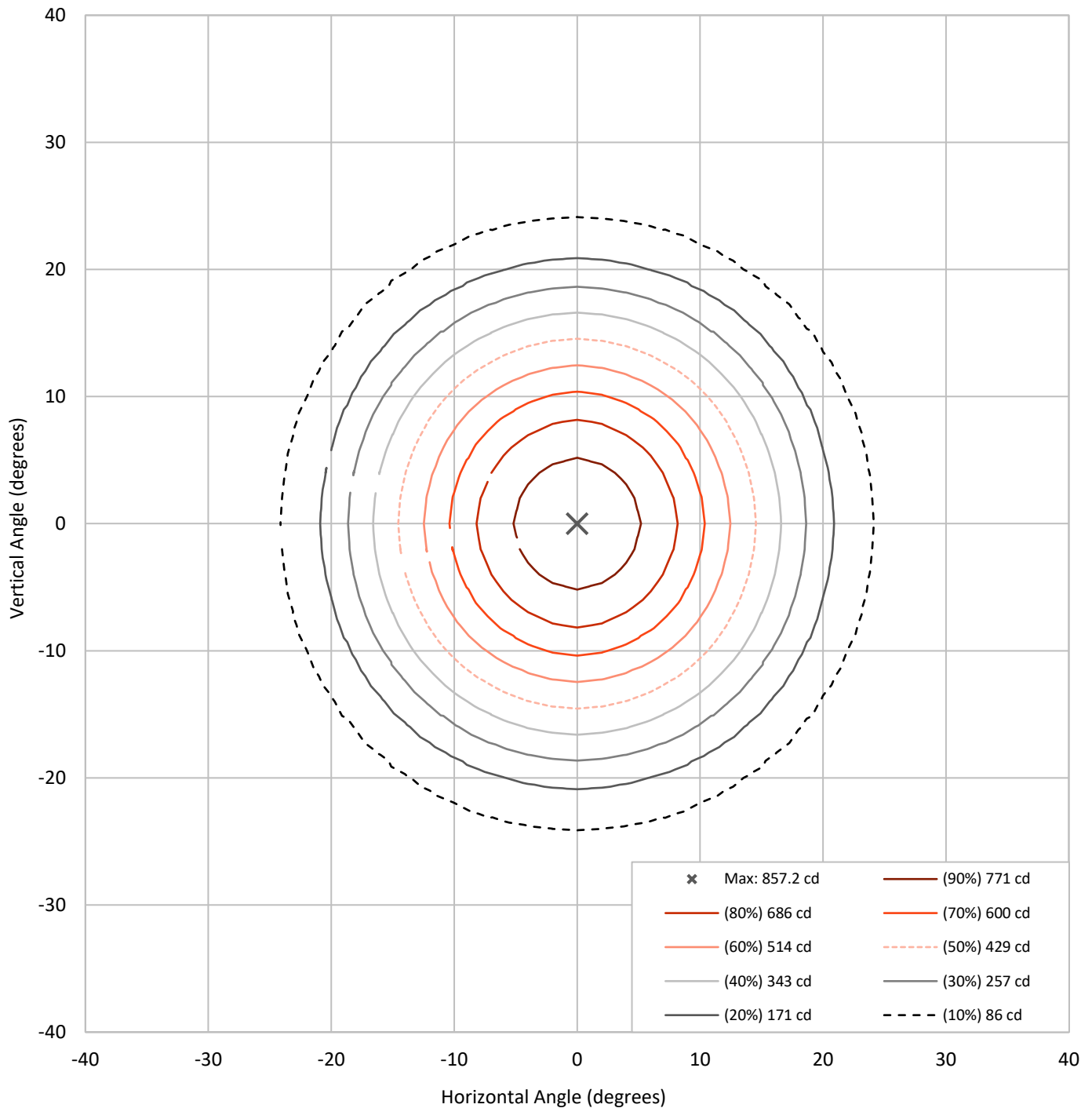
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	223.1 lumens	Max Intensity:	857.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	29.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	29.1°H x 29.1°V	Field Angle (10%):	48.2°H x 48.2°V
Beam Lumens:	127.4 lumens	Field Lumens:	201.4 lumens
Beam Efficiency:	57.1%	Field Efficiency:	90.3%
Input Watts (W):	7.6		
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: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)

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### Iso-Candela Plot



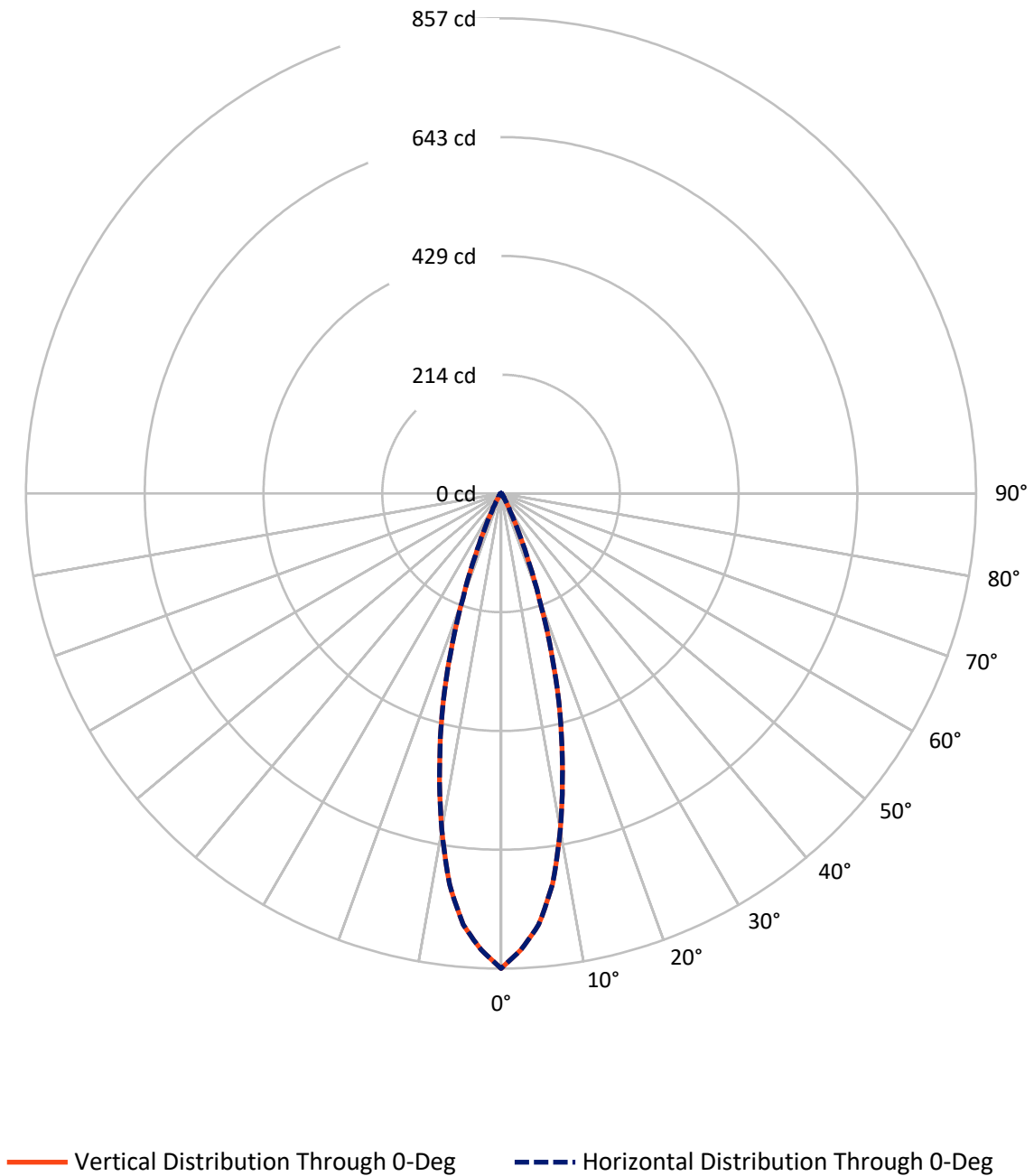
REPORT NUMBER: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS-LVR

### Lumen Table

90	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	0.0	0.0
80	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	0.0	0.0
70	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	0.0	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	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
40		0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	
30	0.0	0.0	0.0	0.0	0.1	0.3	1.0	2.2	2.2	1.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0
20		0.0	0.0	0.0	0.2	0.9	5.1	11.0	11.0	5.1	0.9	0.2	0.0	0.0	0.0	0.0	
10	0.0	0.0	0.0	0.1	0.2	2.0	10.8	20.8	20.8	10.8	2.0	0.2	0.1	0.0	0.0	0.0	0.0
0		0.0	0.0	0.1	0.2	2.0	10.8	20.8	20.8	10.8	2.0	0.2	0.1	0.0	0.0	0.0	
-10	0.0	0.0	0.0	0.1	0.2	2.0	10.8	20.8	20.8	10.8	2.0	0.2	0.1	0.0	0.0	0.0	0.0
-20		0.0	0.0	0.0	0.2	0.9	5.1	11.0	11.0	5.1	0.9	0.2	0.0	0.0	0.0	0.0	
-30	0.0	0.0	0.0	0.0	0.1	0.3	1.0	2.2	2.2	1.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0
-40		0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	
-50	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	0.0	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	
-70	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	0.0	0.0
-80		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	
-90	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	0.0	0.0

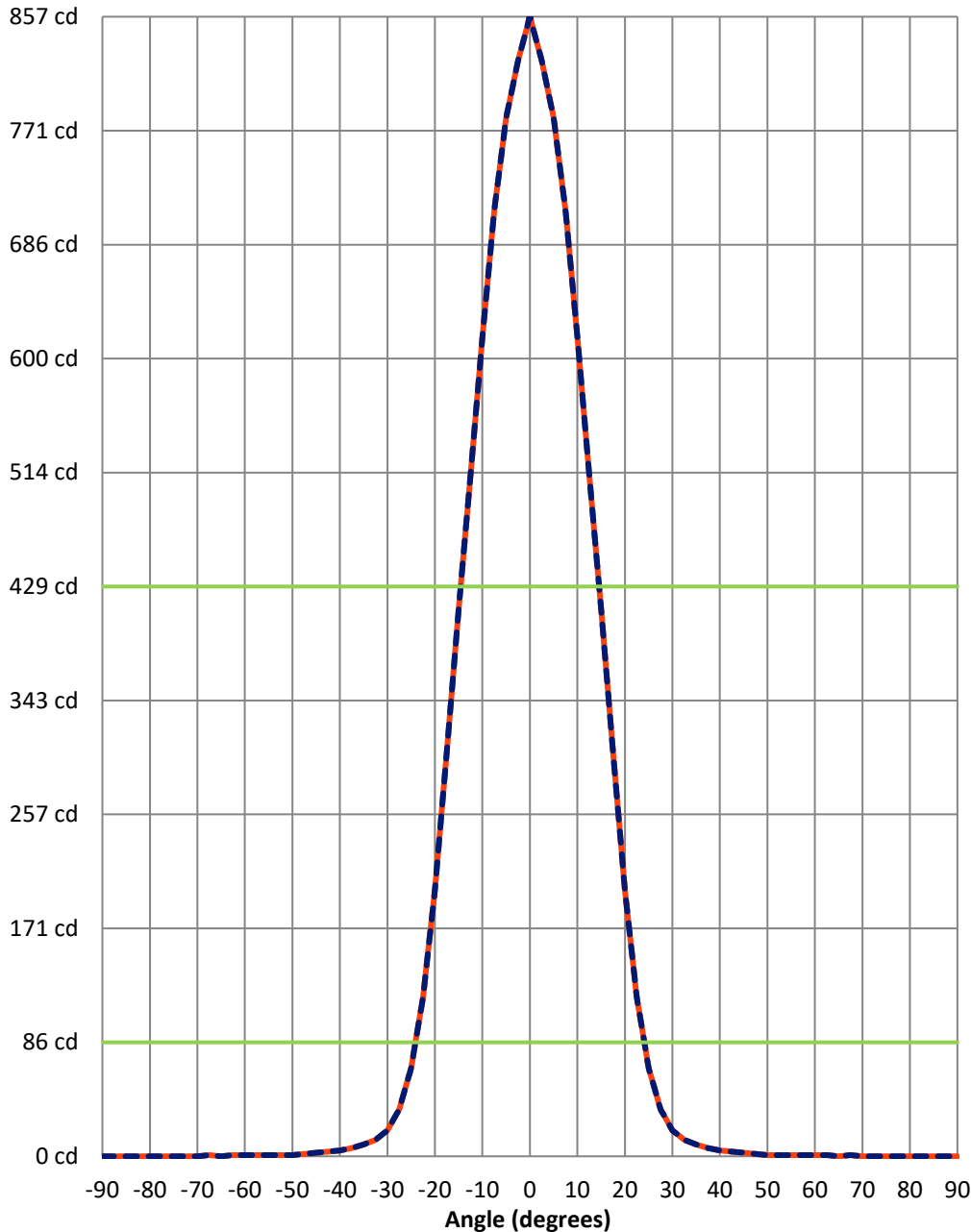
REPORT NUMBER: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 203-8LED3036-12-CS-LVR

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
H Angle: 29.1°  
V Angle: 29.1°  
Lumens: 127.4  
Efficiency: 57.1%

**Field:**  
H Angle: 48.2°  
V Angle: 48.2°  
Lumens: 201.4  
Efficiency: 90.3%

**Spill:**  
Lumens: 21.6  
Efficiency: 9.7%

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



REPORT NUMBER: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS-LVR

**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	0	0	0	0	1
-25°	0	0	0	0	0	0	0	0	0	0	1
-27.5°	0	0	0	0	0	0	0	0	0	0	1
-30°	0	0	0	0	0	0	0	0	0	0	1
-32.5°	0	0	0	0	0	0	0	0	0	0	0
-35°	0	0	0	0	0	0	0	0	0	0	0
-37.5°	0	0	0	0	0	0	0	0	0	0	0
-40°	0	0	0	0	0	0	0	0	0	0	0
-42.5°	0	0	0	0	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-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: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS-LVR

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



REPORT NUMBER: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS-LVR

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	0	1	1	1	1	1	1	1	2	3	3
-25°	0	1	1	1	1	1	1	1	2	2	3
-27.5°	0	0	1	1	1	1	1	1	1	2	3
-30°	1	0	1	1	1	1	1	1	1	1	2
-32.5°	1	0	1	1	1	1	1	1	1	1	2
-35°	1	0	0	1	1	1	1	1	1	1	1
-37.5°	1	1	0	1	1	1	1	1	1	1	1
-40°	0	1	0	0	1	1	1	1	1	1	1
-42.5°	0	1	1	0	1	1	1	1	1	1	1
-45°	0	0	1	0	0	1	1	1	1	1	1
-47.5°	0	0	0	1	0	0	1	1	1	1	1
-50°	0	0	0	1	1	0	0	1	1	1	1
-52.5°	0	0	0	0	1	1	0	0	1	1	1
-55°	0	0	0	0	0	1	1	0	0	0	1
-57.5°	0	0	0	0	0	0	0	1	1	0	0
-60°	0	0	0	0	0	0	0	0	1	1	1
-62.5°	0	0	0	0	0	0	0	0	0	0	1
-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: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS-LVR

**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	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	1	1	1	1
65°	0	0	1	1	1	1	1	0	0	0	0
62.5°	1	1	1	0	0	0	0	0	1	1	1
60°	0	0	0	0	1	1	1	1	1	1	1
57.5°	0	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	2
45°	1	1	1	1	1	1	1	2	2	2	2
42.5°	1	1	1	1	2	2	2	3	3	3	3
40°	1	1	1	2	2	3	3	3	4	4	4
37.5°	1	2	2	3	3	3	4	4	4	5	5
35°	2	2	3	3	4	4	5	5	6	7	8
32.5°	2	3	3	4	4	5	6	7	8	9	11
30°	3	3	4	5	6	7	8	10	11	13	15
27.5°	3	4	5	6	7	9	11	13	17	19	23
25°	4	4	6	7	9	12	15	19	25	33	42
22.5°	4	5	7	9	12	16	21	29	42	57	75
20°	5	6	8	11	15	21	31	47	70	96	126
17.5°	5	7	10	13	19	29	47	74	109	152	198
15°	6	8	11	17	25	42	70	109	162	223	284
12.5°	7	9	13	19	33	57	96	152	223	300	371
10°	8	11	15	23	42	75	126	198	284	371	447
7.5°	8	11	17	28	50	92	155	240	337	429	513
5°	9	12	18	32	59	106	179	275	378	474	567
2.5°	9	12	19	35	65	116	195	297	403	502	603
0°	9	12	20	35	66	120	200	304	411	512	616
-2.5°	9	12	19	35	65	116	195	297	403	502	603
-5°	9	12	18	32	59	106	179	275	378	474	567
-7.5°	8	11	17	28	50	92	155	240	337	429	513
-10°	8	11	15	23	42	75	126	198	284	371	447
-12.5°	7	9	13	19	33	57	96	152	223	300	371
-15°	6	8	11	17	25	42	70	109	162	223	284
-17.5°	5	7	10	13	19	29	47	74	109	152	198
-20°	5	6	8	11	15	21	31	47	70	96	126



REPORT NUMBER: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS-LVR

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4	5	7	9	12	16	21	29	42	57	75
-25°	4	4	6	7	9	12	15	19	25	33	42
-27.5°	3	4	5	6	7	9	11	13	17	19	23
-30°	3	3	4	5	6	7	8	10	11	13	15
-32.5°	2	3	3	4	4	5	6	7	8	9	11
-35°	2	2	3	3	4	4	5	5	6	7	8
-37.5°	1	2	2	3	3	3	4	4	4	5	5
-40°	1	1	1	2	2	3	3	3	4	4	4
-42.5°	1	1	1	1	2	2	2	3	3	3	3
-45°	1	1	1	1	1	1	1	2	2	2	2
-47.5°	1	1	1	1	1	1	1	1	1	1	2
-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°	0	1	1	1	1	1	1	1	1	1	1
-60°	0	0	0	0	1	1	1	1	1	1	1
-62.5°	1	1	1	0	0	0	0	0	1	1	1
-65°	0	0	1	1	1	1	1	0	0	0	0
-67.5°	0	0	0	0	0	0	0	1	1	1	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: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS-LVR

**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°	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	1	1	1	1	1	1	1	1	1
65°	0	0	0	0	0	0	0	0	0	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	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°	2	2	2	2	2	2	2	2	1	1	1
45°	3	3	3	3	3	3	3	2	2	2	2
42.5°	3	3	3	4	3	3	3	3	3	3	3
40°	4	4	4	4	4	4	4	4	4	4	3
37.5°	6	6	6	6	6	6	6	5	5	4	4
35°	8	9	9	9	9	9	8	8	7	6	5
32.5°	11	12	12	12	12	12	11	11	9	8	7
30°	17	18	19	20	19	18	17	15	13	11	10
27.5°	28	32	35	35	35	32	28	23	19	17	13
25°	50	59	65	66	65	59	50	42	33	25	19
22.5°	92	106	116	120	116	106	92	75	57	42	29
20°	155	179	195	200	195	179	155	126	96	70	47
17.5°	240	275	297	304	297	275	240	198	152	109	74
15°	337	378	403	411	403	378	337	284	223	162	109
12.5°	429	474	502	512	502	474	429	371	300	223	152
10°	513	567	603	616	603	567	513	447	371	284	198
7.5°	591	657	697	711	697	657	591	513	429	337	240
5°	657	726	767	781	767	726	657	567	474	378	275
2.5°	697	767	808	824	808	767	697	603	502	403	297
0°	711	781	824	857	824	781	711	616	512	411	304
-2.5°	697	767	808	824	808	767	697	603	502	403	297
-5°	657	726	767	781	767	726	657	567	474	378	275
-7.5°	591	657	697	711	697	657	591	513	429	337	240
-10°	513	567	603	616	603	567	513	447	371	284	198
-12.5°	429	474	502	512	502	474	429	371	300	223	152
-15°	337	378	403	411	403	378	337	284	223	162	109
-17.5°	240	275	297	304	297	275	240	198	152	109	74
-20°	155	179	195	200	195	179	155	126	96	70	47



REPORT NUMBER: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS-LVR

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	92	106	116	120	116	106	92	75	57	42	29
-25°	50	59	65	66	65	59	50	42	33	25	19
-27.5°	28	32	35	35	35	32	28	23	19	17	13
-30°	17	18	19	20	19	18	17	15	13	11	10
-32.5°	11	12	12	12	12	12	11	11	9	8	7
-35°	8	9	9	9	9	9	8	8	7	6	5
-37.5°	6	6	6	6	6	6	6	5	5	4	4
-40°	4	4	4	4	4	4	4	4	4	4	3
-42.5°	3	3	3	4	3	3	3	3	3	3	3
-45°	3	3	3	3	3	3	3	2	2	2	2
-47.5°	2	2	2	2	2	2	2	2	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°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	1	1	1	1	1	1	1	1	1	1	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: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS-LVR

**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°	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°	1	1	1	1	1	0	0	0	0	0	0
62.5°	0	0	0	0	1	1	1	1	0	0	0
60°	1	1	1	0	0	0	0	1	1	1	0
57.5°	1	1	1	1	1	1	0	0	0	1	1
55°	1	1	1	1	1	1	1	1	0	0	0
52.5°	1	1	1	1	1	1	1	1	1	1	0
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	1
42.5°	2	2	2	1	1	1	1	1	1	1	1
40°	3	3	2	2	1	1	1	1	1	1	1
37.5°	4	3	3	3	2	2	1	1	1	1	1
35°	5	4	4	3	3	2	2	1	1	1	1
32.5°	6	5	4	4	3	3	2	2	1	1	1
30°	8	7	6	5	4	3	3	2	1	1	1
27.5°	11	9	7	6	5	4	3	3	2	1	1
25°	15	12	9	7	6	4	4	3	2	2	1
22.5°	21	16	12	9	7	5	4	3	3	2	1
20°	31	21	15	11	8	6	5	4	3	2	1
17.5°	47	29	19	13	10	7	5	4	3	3	2
15°	70	42	25	17	11	8	6	4	4	3	2
12.5°	96	57	33	19	13	9	7	5	4	3	2
10°	126	75	42	23	15	11	8	5	4	3	2
7.5°	155	92	50	28	17	11	8	6	4	3	3
5°	179	106	59	32	18	12	9	6	4	3	3
2.5°	195	116	65	35	19	12	9	6	4	3	3
0°	200	120	66	35	20	12	9	6	4	4	3
-2.5°	195	116	65	35	19	12	9	6	4	3	3
-5°	179	106	59	32	18	12	9	6	4	3	3
-7.5°	155	92	50	28	17	11	8	6	4	3	3
-10°	126	75	42	23	15	11	8	5	4	3	2
-12.5°	96	57	33	19	13	9	7	5	4	3	2
-15°	70	42	25	17	11	8	6	4	4	3	2
-17.5°	47	29	19	13	10	7	5	4	3	3	2
-20°	31	21	15	11	8	6	5	4	3	2	1



REPORT NUMBER: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS-LVR

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	21	16	12	9	7	5	4	3	3	2	1
-25°	15	12	9	7	6	4	4	3	2	2	1
-27.5°	11	9	7	6	5	4	3	3	2	1	1
-30°	8	7	6	5	4	3	3	2	1	1	1
-32.5°	6	5	4	4	3	3	2	2	1	1	1
-35°	5	4	4	3	3	2	2	1	1	1	1
-37.5°	4	3	3	3	2	2	1	1	1	1	1
-40°	3	3	2	2	1	1	1	1	1	1	1
-42.5°	2	2	2	1	1	1	1	1	1	1	1
-45°	1	1	1	1	1	1	1	1	1	1	1
-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	0
-55°	1	1	1	1	1	1	1	1	0	0	0
-57.5°	1	1	1	1	1	1	0	0	0	1	1
-60°	1	1	1	0	0	0	0	1	1	1	0
-62.5°	0	0	0	0	1	1	1	1	0	0	0
-65°	1	1	1	1	1	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: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS-LVR

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



REPORT NUMBER: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS-LVR

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1	1	1	1	1	1	0	1	0	0	0
-25°	1	1	1	1	1	1	0	1	0	0	0
-27.5°	1	1	1	1	1	0	0	1	0	0	0
-30°	1	1	1	1	1	0	1	1	0	0	0
-32.5°	1	1	1	1	1	0	1	0	0	0	0
-35°	1	1	1	1	0	0	1	0	0	0	0
-37.5°	1	1	1	1	0	1	1	0	0	0	0
-40°	1	1	1	0	0	1	0	0	0	0	0
-42.5°	1	1	1	0	1	1	0	0	0	0	0
-45°	1	1	0	0	1	0	0	0	0	0	0
-47.5°	1	0	0	1	0	0	0	0	0	0	0
-50°	0	0	1	1	0	0	0	0	0	0	0
-52.5°	0	1	1	0	0	0	0	0	0	0	0
-55°	1	1	0	0	0	0	0	0	0	0	0
-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: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS-LVR

**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°	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0



REPORT NUMBER: P246991 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS-LVR

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	0	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)