

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: P246988 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246988 (CONVERTED FROM TYPE C PHOTOMETRY)  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-9)  
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  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD SILVER  
Light Source: (1) SORAA 3000K 90 CRI LED  
SM16-07-36D-930-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

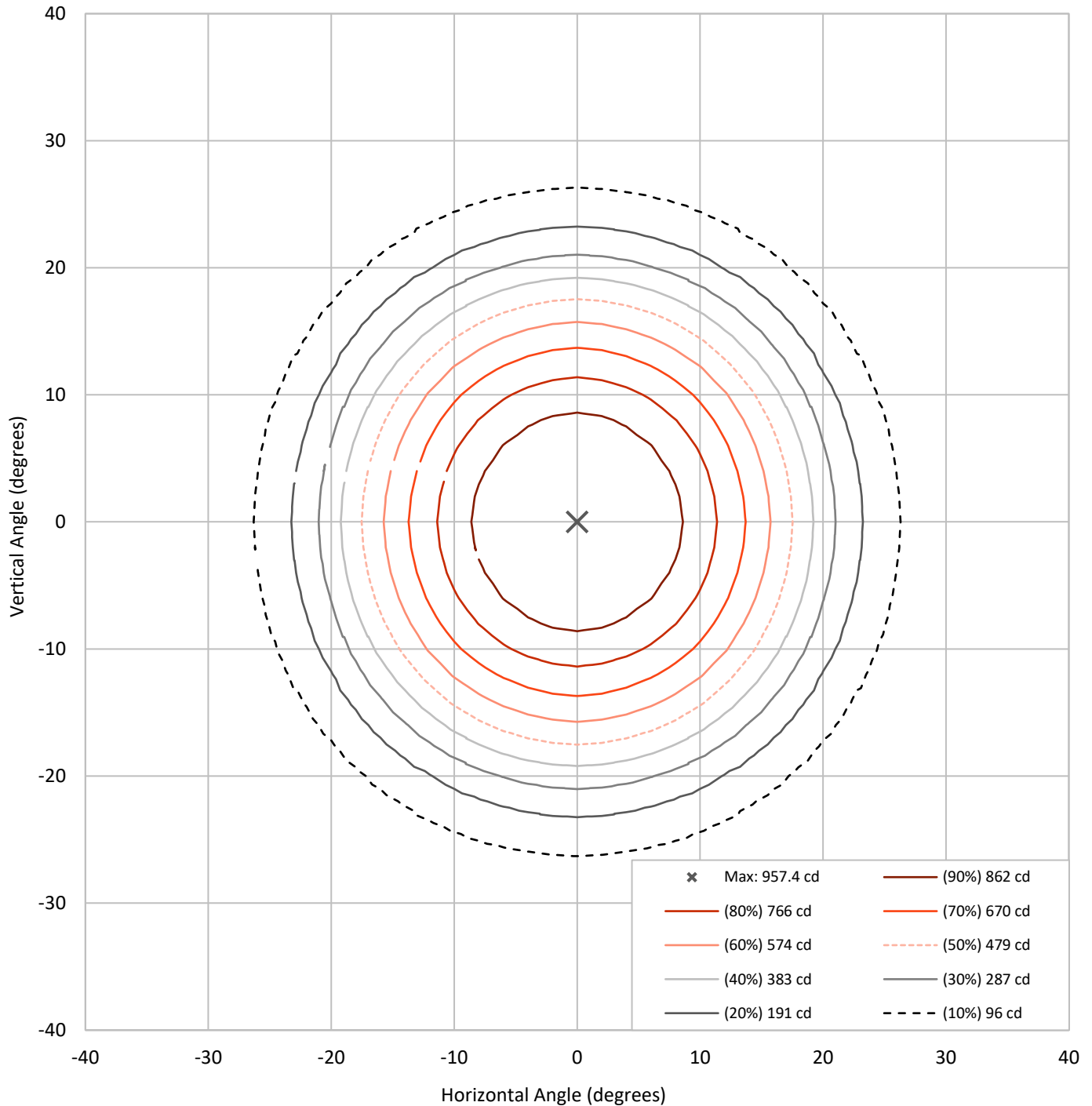
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	329.2 lumens	Max Intensity:	957.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	43.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	35.1°H x 35.1°V	Field Angle (10%):	52.5°H x 52.5°V
Beam Lumens:	212.4 lumens	Field Lumens:	297.7 lumens
Beam Efficiency:	64.5%	Field Efficiency:	90.4%
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: 203-8LED3036-12-CS

### Iso-Candela Plot





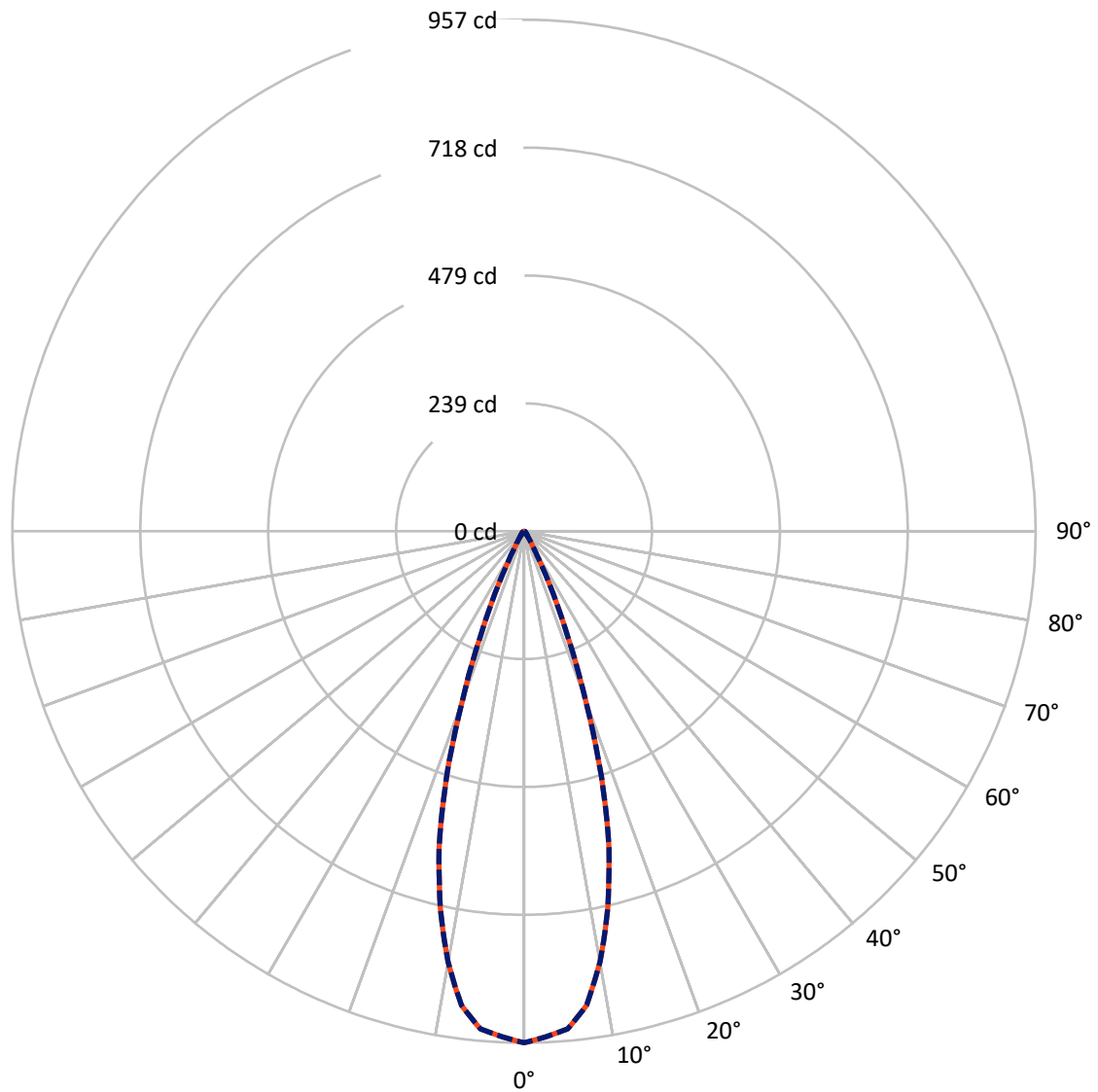
REPORT NUMBER: P246988 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS

### 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	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
50	0.0	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	0.0		
40		0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.5	0.3	0.2	0.1	0.1	0.0		0.0	
30	0.0	0.0	0.0	0.1	0.2	0.5	1.7	3.9	3.9	1.7	0.5	0.2	0.1	0.0	0.0	0.0	
20		0.0	0.1	0.1	0.3	1.6	8.5	16.6	16.6	8.5	1.6	0.3	0.1	0.1	0.0		
10	0.0	0.0	0.1	0.1	0.4	3.6	16.1	26.3	26.3	16.1	3.6	0.4	0.1	0.1	0.0	0.0	
0		0.0	0.1	0.1	0.4	3.6	16.1	26.3	26.3	16.1	3.6	0.4	0.1	0.1	0.0		
-10	0.0	0.0	0.1	0.1	0.3	1.6	8.5	16.6	16.6	8.5	1.6	0.3	0.1	0.1	0.0	0.0	
-20		0.0	0.0	0.1	0.2	0.5	1.7	3.9	3.9	1.7	0.5	0.2	0.1	0.0	0.0		
-30	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.5	0.3	0.2	0.1	0.1	0.0	0.0	0.0	
-40		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	0.0		
-50	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	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		
-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	
-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		
-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	

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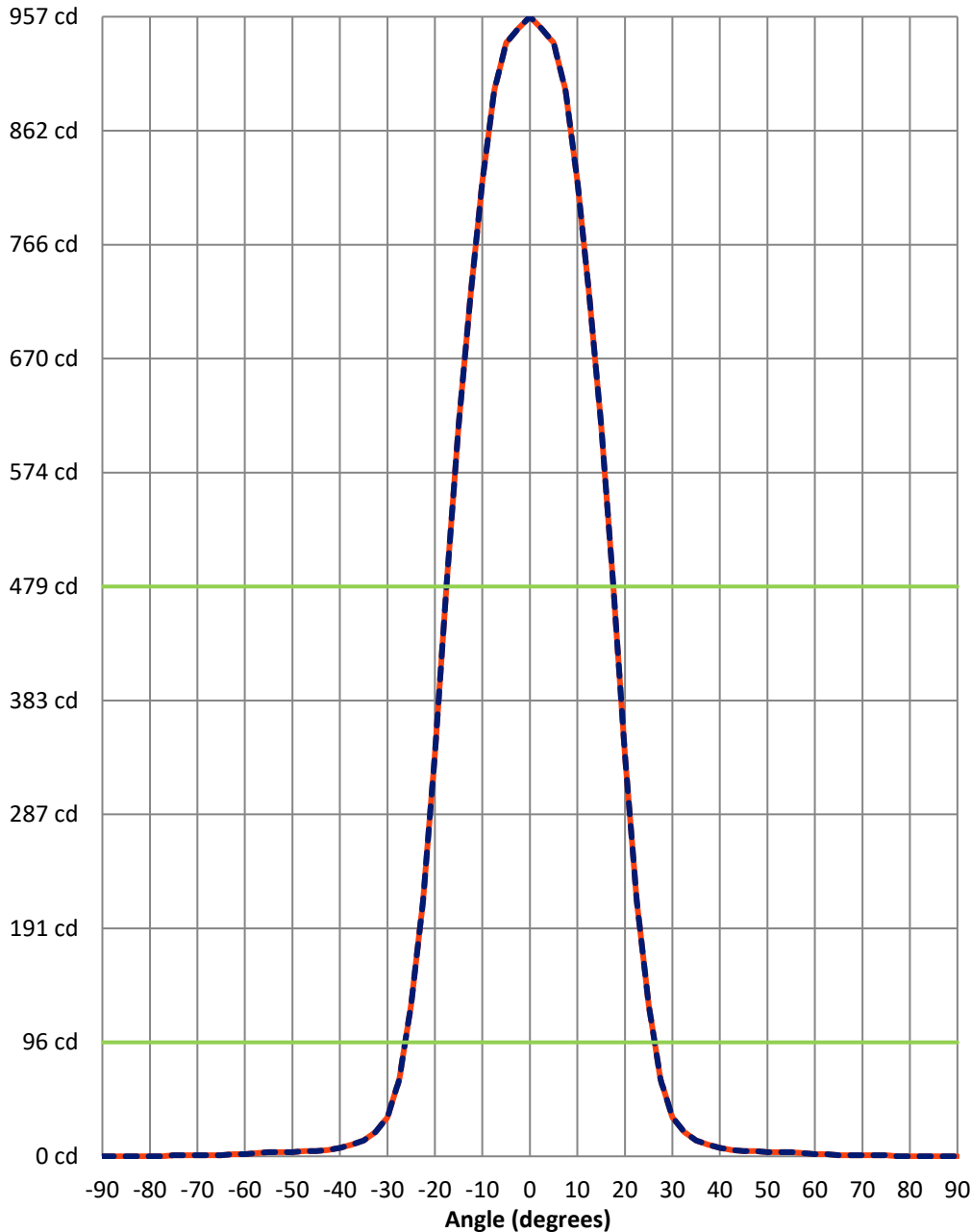
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 35.1°  
 V Angle: 35.1°  
 Lumens: 212.4  
 Efficiency: 64.5%

**Field:**  
 H Angle: 52.5°  
 V Angle: 52.5°  
 Lumens: 297.7  
 Efficiency: 90.4%

**Spill:**  
 Lumens: 31.5  
 Efficiency: 9.6%

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



REPORT NUMBER: P246988 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS

**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	1	1	1	1
-25°	0	0	0	0	0	0	0	1	1	1	1
-27.5°	0	0	0	0	0	0	0	1	1	1	1
-30°	0	0	0	0	0	0	0	1	1	1	1
-32.5°	0	0	0	0	0	0	0	1	1	1	1
-35°	0	0	0	0	0	0	0	1	1	1	1
-37.5°	0	0	0	0	0	0	0	0	1	1	1
-40°	0	0	0	0	0	0	0	0	1	1	1
-42.5°	0	0	0	0	0	0	0	0	1	1	1
-45°	0	0	0	0	0	0	0	0	1	1	1
-47.5°	0	0	0	0	0	0	0	0	0	1	1
-50°	0	0	0	0	0	0	0	0	0	1	1
-52.5°	0	0	0	0	0	0	0	0	0	0	1
-55°	0	0	0	0	0	0	0	0	0	0	1
-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: P246988 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS

**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	1	1	1	1
67.5°	0	0	0	0	0	1	1	1	1	1	1
65°	0	0	0	1	1	1	1	1	1	1	1
62.5°	0	0	1	1	1	1	1	1	1	1	1
60°	0	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	2
52.5°	1	1	1	1	1	1	1	1	2	2	2
50°	1	1	1	1	1	1	1	2	2	2	2
47.5°	1	1	1	1	1	1	2	2	2	2	3
45°	1	1	1	1	1	2	2	2	2	3	3
42.5°	1	1	1	1	2	2	2	2	3	3	4
40°	1	1	1	1	2	2	2	3	3	4	4
37.5°	1	1	1	2	2	2	3	3	4	4	4
35°	1	1	1	2	2	2	3	4	4	4	4
32.5°	1	1	2	2	2	3	3	4	4	4	4
30°	1	1	2	2	2	3	4	4	4	4	4
27.5°	1	1	2	2	3	3	4	4	4	4	4
25°	1	2	2	2	3	4	4	4	4	4	5
22.5°	1	2	2	3	3	4	4	4	4	4	5
20°	1	2	2	3	3	4	4	4	4	5	6
17.5°	1	2	2	3	4	4	4	4	4	5	7
15°	1	2	2	3	4	4	4	4	5	5	7
12.5°	2	2	2	3	4	4	4	4	5	6	8
10°	2	2	3	3	4	4	4	4	5	6	9
7.5°	2	2	3	3	4	4	4	4	5	7	9
5°	2	2	3	3	4	4	4	4	5	7	9
2.5°	2	2	3	3	4	4	4	4	5	7	10
0°	2	2	3	4	4	4	4	4	5	7	10
-2.5°	2	2	3	3	4	4	4	4	5	7	10
-5°	2	2	3	3	4	4	4	4	5	7	9
-7.5°	2	2	3	3	4	4	4	4	5	7	9
-10°	2	2	3	3	4	4	4	4	5	6	9
-12.5°	2	2	2	3	4	4	4	4	5	6	8
-15°	1	2	2	3	4	4	4	4	5	5	7
-17.5°	1	2	2	3	4	4	4	4	4	5	7
-20°	1	2	2	3	3	4	4	4	4	5	6



REPORT NUMBER: P246988 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1	2	2	3	3	4	4	4	4	4	5
-25°	1	2	2	2	3	4	4	4	4	4	5
-27.5°	1	1	2	2	3	3	4	4	4	4	4
-30°	1	1	2	2	2	3	4	4	4	4	4
-32.5°	1	1	2	2	2	3	3	4	4	4	4
-35°	1	1	1	2	2	2	3	4	4	4	4
-37.5°	1	1	1	2	2	2	3	3	4	4	4
-40°	1	1	1	1	2	2	2	3	3	4	4
-42.5°	1	1	1	1	2	2	2	2	3	3	4
-45°	1	1	1	1	1	2	2	2	2	3	3
-47.5°	1	1	1	1	1	1	2	2	2	2	3
-50°	1	1	1	1	1	1	1	2	2	2	2
-52.5°	1	1	1	1	1	1	1	1	2	2	2
-55°	1	1	1	1	1	1	1	1	1	1	2
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-60°	0	1	1	1	1	1	1	1	1	1	1
-62.5°	0	0	1	1	1	1	1	1	1	1	1
-65°	0	0	0	1	1	1	1	1	1	1	1
-67.5°	0	0	0	0	0	1	1	1	1	1	1
-70°	0	0	0	0	0	0	0	1	1	1	1
-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: P246988 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS

**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	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	1	1
62.5°	1	1	1	1	1	1	1	1	1	2	2
60°	1	1	1	1	2	2	2	2	2	2	2
57.5°	1	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	4	4	4	4
50°	2	3	3	3	4	4	4	4	4	4	4
47.5°	3	3	4	4	4	4	4	4	4	4	4
45°	4	4	4	4	4	4	4	4	4	4	4
42.5°	4	4	4	4	4	4	4	4	5	5	5
40°	4	4	4	4	4	4	5	5	5	6	6
37.5°	4	4	4	4	5	5	6	7	7	8	9
35°	4	4	4	5	6	7	7	9	10	11	12
32.5°	4	5	5	6	7	8	10	11	13	15	17
30°	4	5	6	7	9	11	13	15	18	22	25
27.5°	5	6	7	9	11	13	17	22	28	33	41
25°	6	7	9	11	14	19	25	32	44	60	78
22.5°	7	8	11	13	19	26	35	53	78	110	143
20°	7	10	13	17	25	35	56	89	133	178	224
17.5°	9	11	15	22	32	53	89	142	198	265	334
15°	10	13	18	28	44	78	133	198	279	370	455
12.5°	11	15	22	33	60	110	178	265	370	476	568
10°	12	17	25	41	78	143	224	334	455	568	654
7.5°	12	18	29	50	96	171	269	395	526	634	724
5°	13	19	31	57	113	193	306	443	576	683	775
2.5°	13	20	32	63	124	209	330	472	604	713	808
0°	13	20	33	65	128	215	338	482	614	723	819
-2.5°	13	20	32	63	124	209	330	472	604	713	808
-5°	13	19	31	57	113	193	306	443	576	683	775
-7.5°	12	18	29	50	96	171	269	395	526	634	724
-10°	12	17	25	41	78	143	224	334	455	568	654
-12.5°	11	15	22	33	60	110	178	265	370	476	568
-15°	10	13	18	28	44	78	133	198	279	370	455
-17.5°	9	11	15	22	32	53	89	142	198	265	334
-20°	7	10	13	17	25	35	56	89	133	178	224



REPORT NUMBER: P246988 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7	8	11	13	19	26	35	53	78	110	143
-25°	6	7	9	11	14	19	25	32	44	60	78
-27.5°	5	6	7	9	11	13	17	22	28	33	41
-30°	4	5	6	7	9	11	13	15	18	22	25
-32.5°	4	5	5	6	7	8	10	11	13	15	17
-35°	4	4	4	5	6	7	7	9	10	11	12
-37.5°	4	4	4	4	5	5	6	7	7	8	9
-40°	4	4	4	4	4	4	5	5	5	6	6
-42.5°	4	4	4	4	4	4	4	4	5	5	5
-45°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	3	3	4	4	4	4	4	4	4	4	4
-50°	2	3	3	3	4	4	4	4	4	4	4
-52.5°	2	2	2	3	3	3	3	4	4	4	4
-55°	2	2	2	2	2	3	3	3	3	3	3
-57.5°	1	2	2	2	2	2	2	2	2	2	3
-60°	1	1	1	1	2	2	2	2	2	2	2
-62.5°	1	1	1	1	1	1	1	1	1	2	2
-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°	0	0	0	0	0	0	1	1	1	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: P246988 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS

**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°	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	1	1
62.5°	2	2	2	2	2	2	2	2	2	1	1
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	4	3	3	3	3	3	3	3
52.5°	4	4	4	4	4	4	4	4	4	4	4
50°	4	4	4	4	4	4	4	4	4	4	4
47.5°	4	4	4	4	4	4	4	4	4	4	4
45°	4	4	4	4	4	4	4	4	4	4	4
42.5°	5	5	5	5	5	5	5	5	5	5	4
40°	7	7	7	7	7	7	7	6	6	5	5
37.5°	9	9	10	10	10	9	9	9	8	7	7
35°	12	13	13	13	13	13	12	12	11	10	9
32.5°	18	19	20	20	20	19	18	17	15	13	11
30°	29	31	32	33	32	31	29	25	22	18	15
27.5°	50	57	63	65	63	57	50	41	33	28	22
25°	96	113	124	128	124	113	96	78	60	44	32
22.5°	171	193	209	215	209	193	171	143	110	78	53
20°	269	306	330	338	330	306	269	224	178	133	89
17.5°	395	443	472	482	472	443	395	334	265	198	142
15°	526	576	604	614	604	576	526	455	370	279	198
12.5°	634	683	713	723	713	683	634	568	476	370	265
10°	724	775	808	819	808	775	724	654	568	455	334
7.5°	797	853	885	895	885	853	797	724	634	526	395
5°	853	906	929	935	929	906	853	775	683	576	443
2.5°	885	929	944	947	944	929	885	808	713	604	472
0°	895	935	947	957	947	935	895	819	723	614	482
-2.5°	885	929	944	947	944	929	885	808	713	604	472
-5°	853	906	929	935	929	906	853	775	683	576	443
-7.5°	797	853	885	895	885	853	797	724	634	526	395
-10°	724	775	808	819	808	775	724	654	568	455	334
-12.5°	634	683	713	723	713	683	634	568	476	370	265
-15°	526	576	604	614	604	576	526	455	370	279	198
-17.5°	395	443	472	482	472	443	395	334	265	198	142
-20°	269	306	330	338	330	306	269	224	178	133	89



REPORT NUMBER: P246988 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	171	193	209	215	209	193	171	143	110	78	53
-25°	96	113	124	128	124	113	96	78	60	44	32
-27.5°	50	57	63	65	63	57	50	41	33	28	22
-30°	29	31	32	33	32	31	29	25	22	18	15
-32.5°	18	19	20	20	20	19	18	17	15	13	11
-35°	12	13	13	13	13	13	12	12	11	10	9
-37.5°	9	9	10	10	10	9	9	9	8	7	7
-40°	7	7	7	7	7	7	7	6	6	5	5
-42.5°	5	5	5	5	5	5	5	5	5	5	4
-45°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	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	4	4
-55°	3	3	3	4	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	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	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: P246988 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS

**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°	1	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	0	0	0	0
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°	2	2	2	1	1	1	1	1	1	1	1
57.5°	2	2	2	2	2	2	1	1	1	1	1
55°	3	3	2	2	2	2	2	2	1	1	1
52.5°	3	3	3	3	2	2	2	2	2	2	1
50°	4	4	4	3	3	3	2	2	2	2	2
47.5°	4	4	4	4	4	3	3	3	2	2	2
45°	4	4	4	4	4	4	4	3	3	2	2
42.5°	4	4	4	4	4	4	4	4	3	3	2
40°	5	4	4	4	4	4	4	4	4	3	3
37.5°	6	5	5	4	4	4	4	4	4	4	3
35°	7	7	6	5	4	4	4	4	4	4	4
32.5°	10	8	7	6	5	5	4	4	4	4	4
30°	13	11	9	7	6	5	4	4	4	4	4
27.5°	17	13	11	9	7	6	5	4	4	4	4
25°	25	19	14	11	9	7	6	5	4	4	4
22.5°	35	26	19	13	11	8	7	5	4	4	4
20°	56	35	25	17	13	10	7	6	5	4	4
17.5°	89	53	32	22	15	11	9	7	5	4	4
15°	133	78	44	28	18	13	10	7	5	5	4
12.5°	178	110	60	33	22	15	11	8	6	5	4
10°	224	143	78	41	25	17	12	9	6	5	4
7.5°	269	171	96	50	29	18	12	9	7	5	4
5°	306	193	113	57	31	19	13	9	7	5	4
2.5°	330	209	124	63	32	20	13	10	7	5	4
0°	338	215	128	65	33	20	13	10	7	5	4
-2.5°	330	209	124	63	32	20	13	10	7	5	4
-5°	306	193	113	57	31	19	13	9	7	5	4
-7.5°	269	171	96	50	29	18	12	9	7	5	4
-10°	224	143	78	41	25	17	12	9	6	5	4
-12.5°	178	110	60	33	22	15	11	8	6	5	4
-15°	133	78	44	28	18	13	10	7	5	5	4
-17.5°	89	53	32	22	15	11	9	7	5	4	4
-20°	56	35	25	17	13	10	7	6	5	4	4



REPORT NUMBER: P246988 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	35	26	19	13	11	8	7	5	4	4	4
-25°	25	19	14	11	9	7	6	5	4	4	4
-27.5°	17	13	11	9	7	6	5	4	4	4	4
-30°	13	11	9	7	6	5	4	4	4	4	4
-32.5°	10	8	7	6	5	5	4	4	4	4	4
-35°	7	7	6	5	4	4	4	4	4	4	4
-37.5°	6	5	5	4	4	4	4	4	4	4	3
-40°	5	4	4	4	4	4	4	4	4	3	3
-42.5°	4	4	4	4	4	4	4	4	3	3	2
-45°	4	4	4	4	4	4	4	3	3	2	2
-47.5°	4	4	4	4	4	3	3	3	2	2	2
-50°	4	4	4	3	3	3	2	2	2	2	2
-52.5°	3	3	3	3	2	2	2	2	2	2	1
-55°	3	3	2	2	2	2	2	2	1	1	1
-57.5°	2	2	2	2	2	2	1	1	1	1	1
-60°	2	2	2	1	1	1	1	1	1	1	1
-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°	1	1	1	1	1	1	1	0	0	0	0
-75°	1	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: P246988 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS

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



REPORT NUMBER: P246988 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS

**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	2	2	1	1	1	1	1
-25°	4	4	3	2	2	2	1	1	1	1	1
-27.5°	4	3	3	2	2	1	1	1	1	1	1
-30°	4	3	2	2	2	1	1	1	1	1	1
-32.5°	3	3	2	2	2	1	1	1	1	1	1
-35°	3	2	2	2	1	1	1	1	1	1	1
-37.5°	3	2	2	2	1	1	1	1	1	1	0
-40°	2	2	2	1	1	1	1	1	1	1	0
-42.5°	2	2	2	1	1	1	1	1	1	1	0
-45°	2	2	1	1	1	1	1	1	1	1	0
-47.5°	2	1	1	1	1	1	1	1	1	0	0
-50°	1	1	1	1	1	1	1	1	1	0	0
-52.5°	1	1	1	1	1	1	1	1	0	0	0
-55°	1	1	1	1	1	1	1	1	0	0	0
-57.5°	1	1	1	1	1	1	1	0	0	0	0
-60°	1	1	1	1	1	1	0	0	0	0	0
-62.5°	1	1	1	1	1	0	0	0	0	0	0
-65°	1	1	1	1	0	0	0	0	0	0	0
-67.5°	1	1	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: P246988 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3036-12-CS

**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°	1	0	0	0	0	0	0
17.5°	1	0	0	0	0	0	0
15°	1	0	0	0	0	0	0
12.5°	1	0	0	0	0	0	0
10°	1	0	0	0	0	0	0
7.5°	1	0	0	0	0	0	0
5°	1	0	0	0	0	0	0
2.5°	1	0	0	0	0	0	0
0°	1	0	0	0	0	0	0
-2.5°	1	0	0	0	0	0	0
-5°	1	0	0	0	0	0	0
-7.5°	1	0	0	0	0	0	0
-10°	1	0	0	0	0	0	0
-12.5°	1	0	0	0	0	0	0
-15°	1	0	0	0	0	0	0
-17.5°	1	0	0	0	0	0	0
-20°	1	0	0	0	0	0	0



REPORT NUMBER: P246988 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 203-8LED3036-12-CS

**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)