

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: P246966 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED3010-12-BK-LSL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246966 (CONVERTED FROM TYPE C PHOTOMETRY)  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-25)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-8LED3010-12-BK-LSL  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC,  
REGRESSED HOOD BLACK, LINEAR SPREAD LENS  
Light Source: (1) SORAA 3000K 95 CRI 10°NSP LED  
SM16-07-10D-930-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

**Summary**

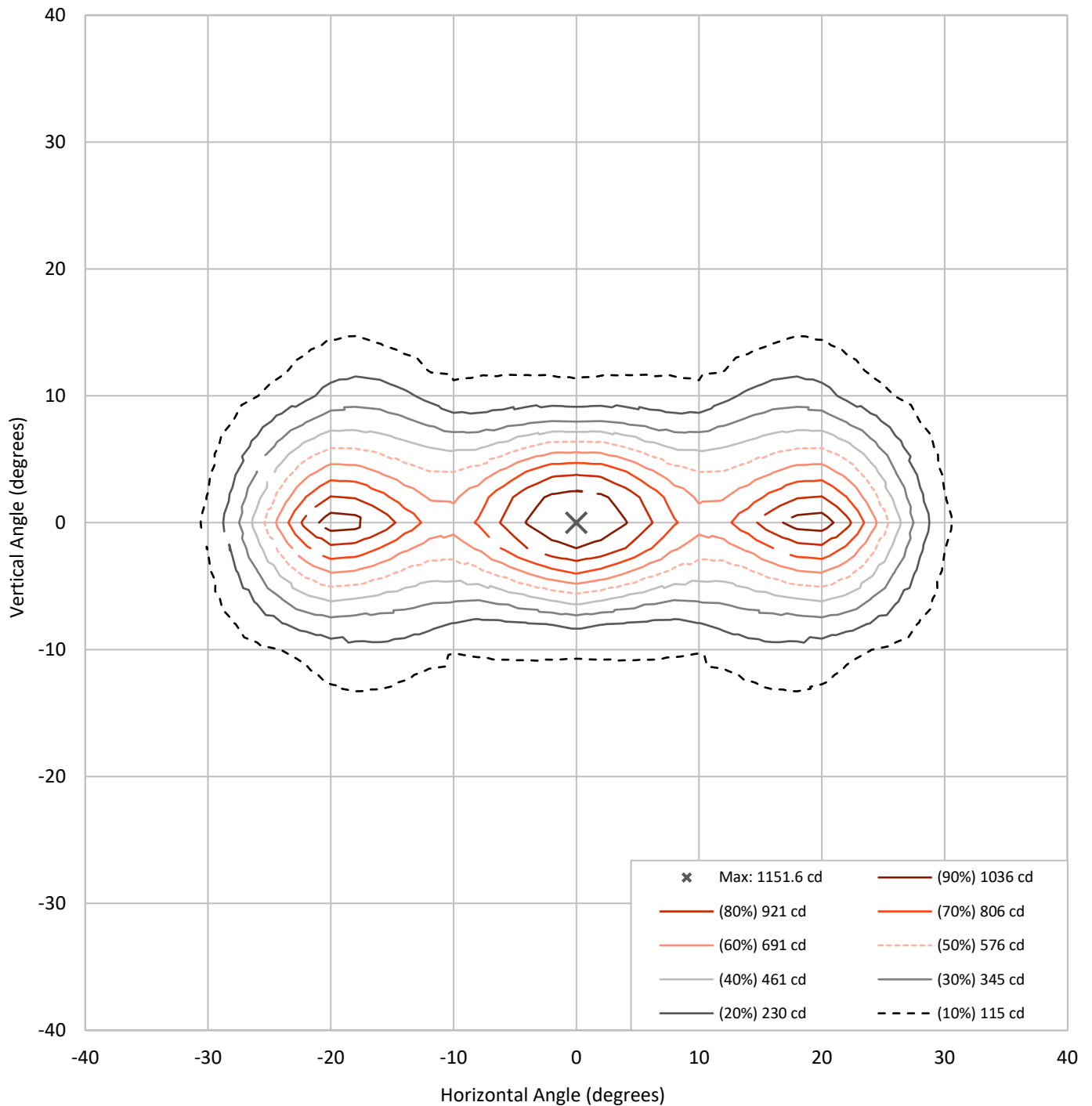
Lumens per Lamp:	N/A	NEMA Type:	4H x 2V
Luminaire Lumens:	224.4 lumens	Max Intensity:	1151.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	28.0 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	50.8°H x 12°V	Field Angle (10%):	61.2°H x 22.1°V
Beam Lumens:	105.6 lumens	Field Lumens:	184.2 lumens
Beam Efficiency:	47.1%	Field Efficiency:	82.1%
Input Watts (W):	8		
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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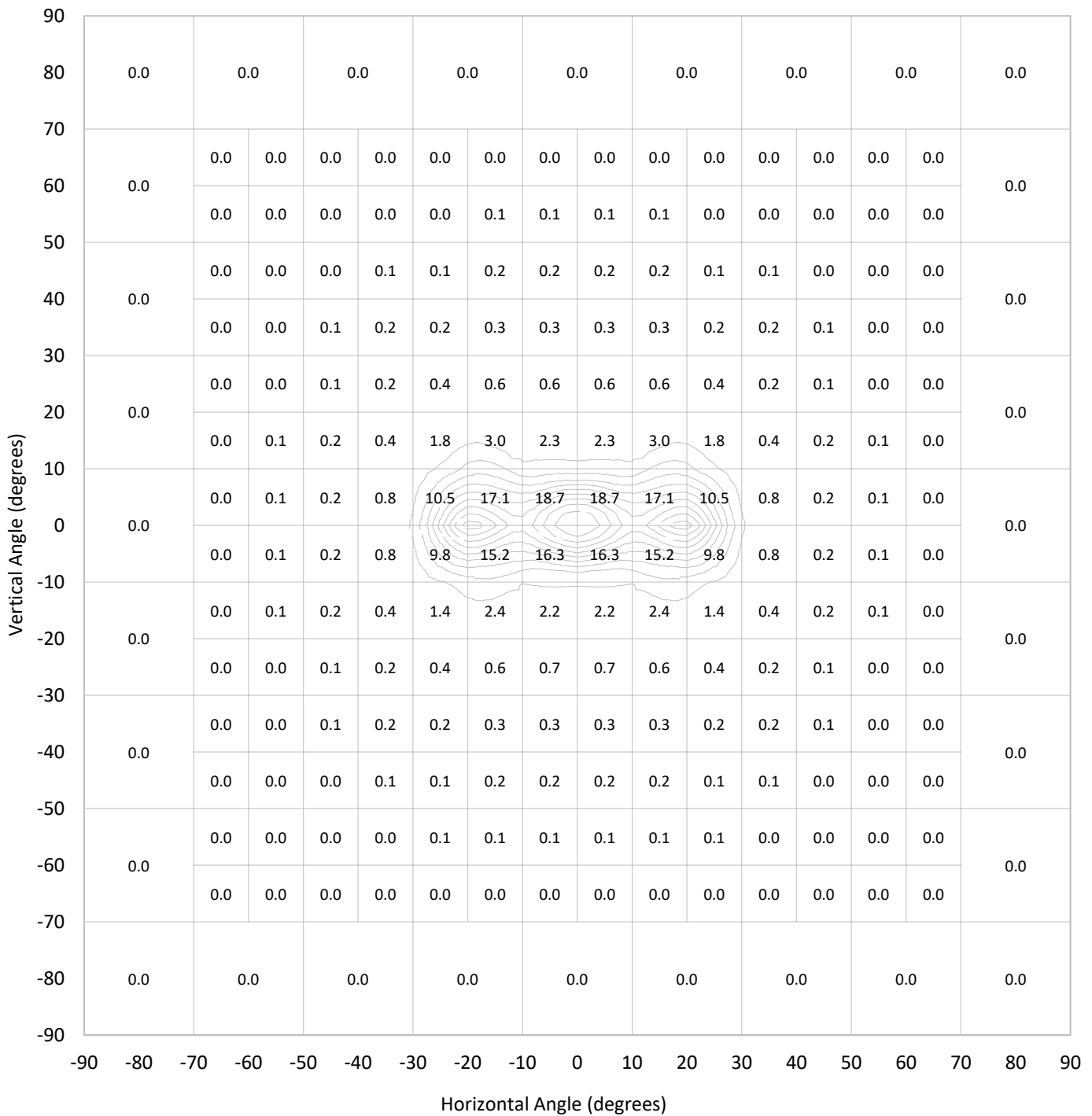
CATALOG NUMBER: 203-8LED3010-12-BK-LSL

### Iso-Candela Plot



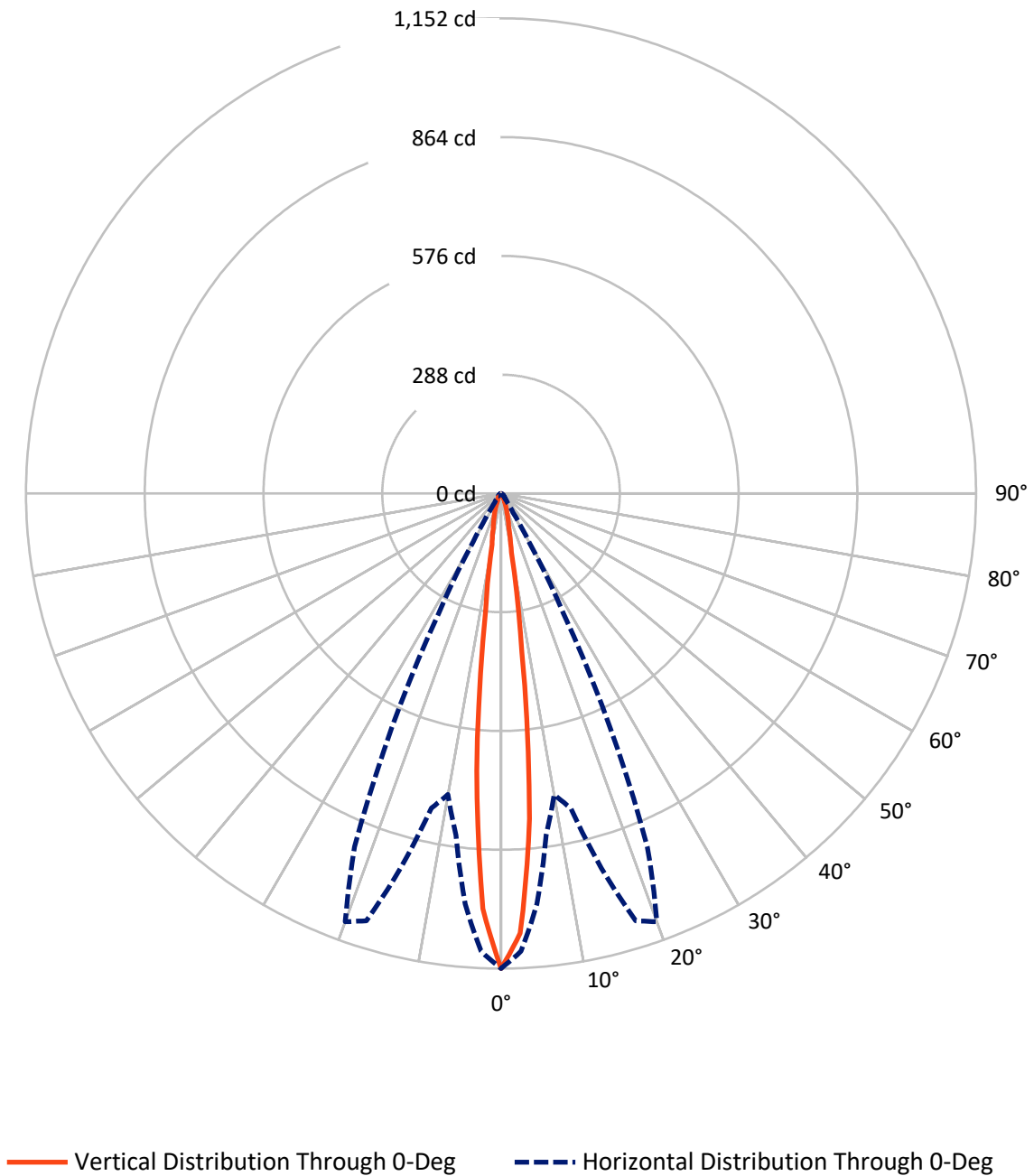
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 CATALOG NUMBER: 203-8LED3010-12-BK-LSL

### Lumen Table



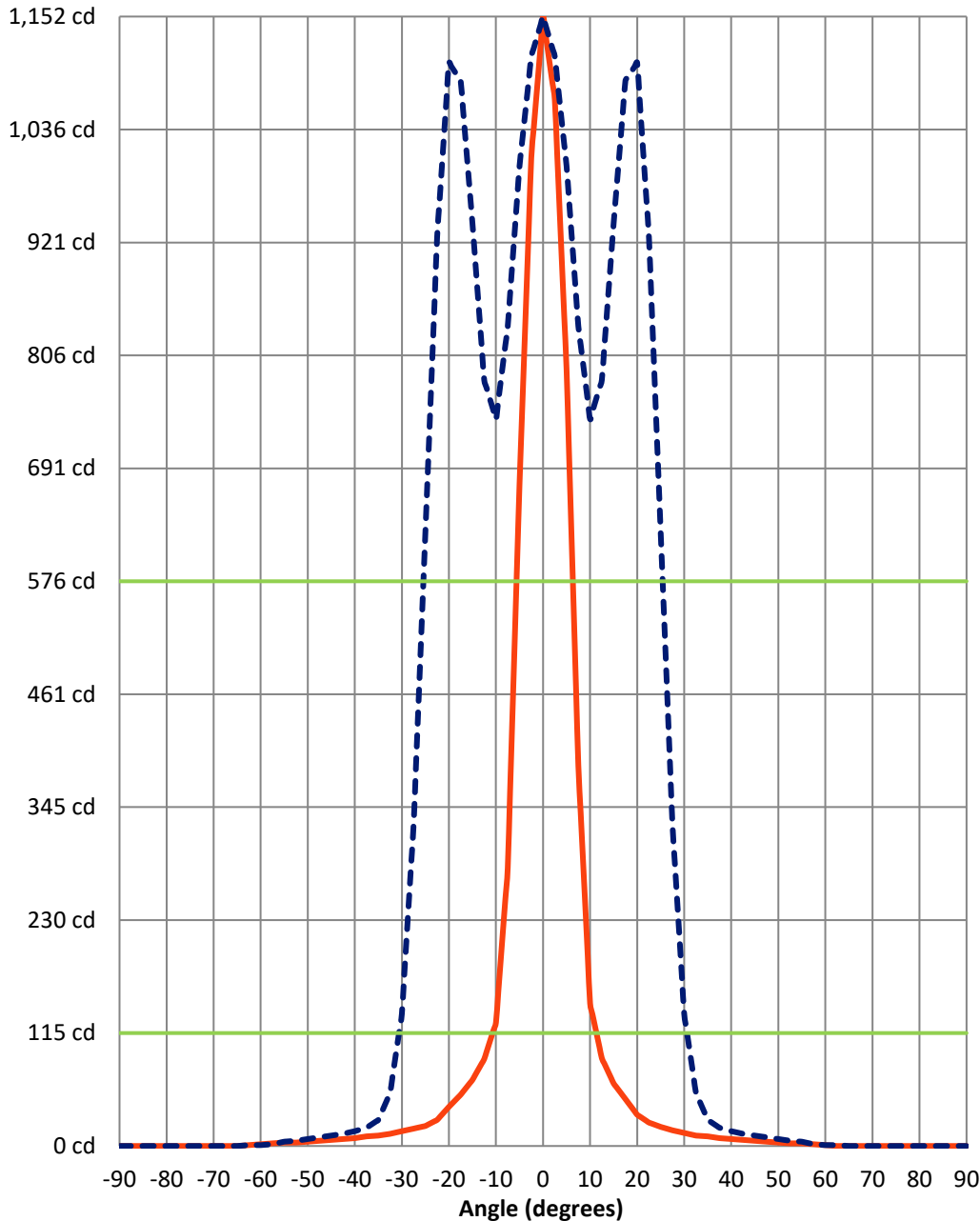
REPORT NUMBER: P246966 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 50.8°  
 V Angle: 12°  
 Lumens: 105.6  
 Efficiency: 47.1%

**Field:**  
 H Angle: 61.2°  
 V Angle: 22.1°  
 Lumens: 184.2  
 Efficiency: 82.1%

**Spill:**  
 Lumens: 40.2  
 Efficiency: 17.9%

- 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	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	0
27.5°	0	0	0	0	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P246966 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED3010-12-BK-LSL

**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	0
-25°	0	0	0	0	0	0	0	0	0	0	0
-27.5°	0	0	0	0	0	0	0	0	0	0	0
-30°	0	0	0	0	0	0	0	0	0	0	0
-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: P246966 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-BK-LSL

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



REPORT NUMBER: P246966 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-BK-LSL

**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	2	3	4	5	7	7	9	9
-25°	0	1	1	1	3	4	5	6	7	8	9
-27.5°	0	0	1	1	2	3	4	5	6	7	8
-30°	0	0	1	1	2	3	4	5	6	6	7
-32.5°	0	0	1	1	1	2	3	4	5	6	6
-35°	0	0	0	1	1	2	3	4	4	5	6
-37.5°	0	0	0	1	1	1	2	3	4	4	5
-40°	0	0	0	0	1	1	2	2	3	4	4
-42.5°	0	0	0	0	1	1	1	2	3	3	4
-45°	0	0	0	0	0	1	1	1	2	3	3
-47.5°	0	0	0	0	0	0	1	1	2	2	3
-50°	0	0	0	0	0	0	0	1	1	2	2
-52.5°	0	0	0	0	0	0	0	0	1	1	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: P246966 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-BK-LSL

**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	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	1	1
57.5°	0	0	0	0	1	1	1	1	1	1	2
55°	0	1	1	1	1	2	2	2	2	2	2
52.5°	1	1	2	2	2	2	3	3	3	3	3
50°	2	2	2	3	3	3	3	4	4	4	4
47.5°	2	3	3	4	4	4	4	4	5	5	5
45°	3	4	4	5	5	5	5	5	5	6	6
42.5°	4	5	5	5	6	6	6	6	6	6	6
40°	5	5	6	6	6	7	7	7	7	7	7
37.5°	6	6	6	7	7	8	8	8	8	8	9
35°	6	7	7	8	9	9	9	9	10	10	10
32.5°	7	8	9	9	9	10	11	11	11	11	11
30°	8	9	10	10	11	11	12	12	13	13	13
27.5°	9	10	11	11	12	13	14	15	15	15	15
25°	10	11	12	13	14	15	16	17	18	19	19
22.5°	11	12	14	15	17	19	20	22	23	24	24
20°	12	13	16	19	23	26	28	28	31	33	33
17.5°	13	16	19	24	31	42	51	45	42	45	46
15°	14	18	23	32	49	72	95	102	68	61	65
12.5°	17	22	30	42	72	120	171	190	161	91	90
10°	19	28	47	82	133	189	271	308	278	215	140
7.5°	21	34	68	138	245	358	431	431	411	362	310
5°	23	41	91	203	373	550	655	650	580	527	521
2.5°	25	48	114	269	505	745	884	867	760	661	659
0°	27	54	135	328	626	927	1105	1086	941	781	741
-2.5°	25	48	114	266	493	718	843	822	713	613	608
-5°	23	41	90	197	351	500	579	559	485	429	435
-7.5°	21	34	66	131	218	296	327	297	305	285	251
-10°	19	27	45	76	109	126	179	211	207	173	119
-12.5°	16	21	29	38	59	86	118	134	124	84	85
-15°	14	17	22	30	42	57	71	78	62	61	65
-17.5°	13	15	18	23	29	38	44	43	43	47	50
-20°	12	13	15	19	22	26	27	29	33	35	37



REPORT NUMBER: P246966 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-BK-LSL

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11	12	14	15	17	19	21	23	25	26	27
-25°	10	11	12	13	14	15	17	18	20	20	20
-27.5°	9	10	11	11	12	13	14	15	16	17	17
-30°	8	9	10	10	11	12	12	13	13	14	14
-32.5°	7	8	9	9	10	10	11	11	12	12	12
-35°	6	7	7	8	9	9	10	10	11	11	11
-37.5°	6	6	6	7	8	8	9	9	9	9	10
-40°	5	5	6	6	7	7	8	8	8	8	8
-42.5°	4	5	5	5	6	6	6	7	7	7	7
-45°	4	4	4	5	5	5	5	5	6	6	6
-47.5°	3	3	4	4	4	4	4	4	5	5	5
-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°	1	1	2	2	2	3	3	3	3	3	3
-57.5°	0	1	1	1	1	2	2	2	2	2	3
-60°	0	0	0	0	1	1	1	1	1	2	2
-62.5°	0	0	0	0	0	0	0	0	1	1	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: P246966 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-BK-LSL

**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°	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°	1	1	1	1	1	1	1	1	1	0	0
57.5°	2	2	2	2	2	2	2	2	1	1	1
55°	3	3	3	3	3	3	3	2	2	2	2
52.5°	3	3	3	3	3	3	3	3	3	3	3
50°	4	4	4	4	4	4	4	4	4	4	4
47.5°	5	5	5	4	5	5	5	5	5	5	4
45°	6	6	5	5	5	6	6	6	6	5	5
42.5°	6	6	6	6	6	6	6	6	6	6	6
40°	7	7	7	7	7	7	7	7	7	7	7
37.5°	9	9	8	8	8	9	9	9	8	8	8
35°	10	10	10	10	10	10	10	10	10	10	9
32.5°	11	11	11	11	11	11	11	11	11	11	11
30°	13	13	13	13	13	13	13	13	13	13	12
27.5°	16	16	16	16	16	16	16	15	15	15	15
25°	19	20	20	20	20	20	19	19	19	18	17
22.5°	24	25	25	24	25	25	24	24	24	23	22
20°	32	34	33	32	33	34	32	33	33	31	28
17.5°	46	48	49	48	49	48	46	46	45	42	45
15°	66	66	66	64	66	66	66	65	61	68	102
12.5°	95	90	93	90	93	90	95	90	91	161	190
10°	151	164	158	145	158	164	151	140	215	278	308
7.5°	298	341	394	388	394	341	298	310	362	411	431
5°	544	659	781	792	781	659	544	521	527	580	650
2.5°	758	927	1038	1067	1038	927	758	659	661	760	867
0°	836	999	1111	1152	1111	999	836	741	781	941	1086
-2.5°	693	847	958	1008	958	847	693	608	613	713	822
-5°	446	515	613	675	613	515	446	435	429	485	559
-7.5°	210	236	254	284	254	236	210	251	285	305	297
-10°	125	130	128	126	128	130	125	119	173	207	211
-12.5°	88	86	90	89	90	86	88	85	84	124	134
-15°	66	67	68	67	68	67	66	65	61	62	78
-17.5°	51	52	53	52	53	52	51	50	47	43	43
-20°	38	40	41	40	41	40	38	37	35	33	29



REPORT NUMBER: P246966 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-BK-LSL

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	28	29	28	27	28	29	28	27	26	25	23
-25°	21	21	21	20	21	21	21	20	20	20	18
-27.5°	17	18	18	18	18	18	17	17	17	16	15
-30°	15	15	15	15	15	15	15	14	14	13	13
-32.5°	12	13	13	12	13	13	12	12	12	12	11
-35°	11	11	11	11	11	11	11	11	11	11	10
-37.5°	10	10	10	10	10	10	10	10	9	9	9
-40°	8	8	8	8	8	8	8	8	8	8	8
-42.5°	7	7	7	7	7	7	7	7	7	7	7
-45°	6	6	6	6	6	6	6	6	6	6	5
-47.5°	5	5	5	5	5	5	5	5	5	5	4
-50°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	3	3	3	4	3	3	3	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	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°	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: P246966 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-BK-LSL

**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°	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°	1	1	1	0	0	0	0	0	0	0	0
55°	2	2	1	1	1	1	0	0	0	0	0
52.5°	3	2	2	2	2	1	1	0	0	0	0
50°	3	3	3	3	2	2	2	1	1	0	0
47.5°	4	4	4	4	3	3	2	2	1	1	0
45°	5	5	5	5	4	4	3	2	2	1	1
42.5°	6	6	6	5	5	5	4	3	3	2	1
40°	7	7	6	6	6	5	5	4	4	3	2
37.5°	8	8	7	7	6	6	6	5	4	4	3
35°	9	9	9	8	7	7	6	6	5	4	3
32.5°	11	10	9	9	9	8	7	6	6	5	4
30°	12	11	11	10	10	9	8	7	6	6	5
27.5°	14	13	12	11	11	10	9	8	7	6	5
25°	16	15	14	13	12	11	10	9	8	7	6
22.5°	20	19	17	15	14	12	11	9	9	7	7
20°	28	26	23	19	16	13	12	10	9	8	7
17.5°	51	42	31	24	19	16	13	12	10	9	8
15°	95	72	49	32	23	18	14	13	11	10	8
12.5°	171	120	72	42	30	22	17	14	12	10	9
10°	271	189	133	82	47	28	19	15	13	11	9
7.5°	431	358	245	138	68	34	21	16	13	11	10
5°	655	550	373	203	91	41	23	17	14	12	10
2.5°	884	745	505	269	114	48	25	18	15	12	10
0°	1105	927	626	328	135	54	27	19	15	12	11
-2.5°	843	718	493	266	114	48	25	18	15	12	10
-5°	579	500	351	197	90	41	23	17	14	12	10
-7.5°	327	296	218	131	66	34	21	16	13	11	10
-10°	179	126	109	76	45	27	19	15	13	11	9
-12.5°	118	86	59	38	29	21	16	14	12	10	9
-15°	71	57	42	30	22	17	14	13	11	10	8
-17.5°	44	38	29	23	18	15	13	12	10	9	8
-20°	27	26	22	19	15	13	12	10	9	8	7



REPORT NUMBER: P246966 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-BK-LSL

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	21	19	17	15	14	12	11	9	9	7	7
-25°	17	15	14	13	12	11	10	9	8	7	6
-27.5°	14	13	12	11	11	10	9	8	7	6	5
-30°	12	12	11	10	10	9	8	7	6	6	5
-32.5°	11	10	10	9	9	8	7	6	6	5	4
-35°	10	9	9	8	7	7	6	6	5	4	4
-37.5°	9	8	8	7	6	6	6	5	4	4	3
-40°	8	7	7	6	6	5	5	4	4	3	2
-42.5°	6	6	6	5	5	5	4	4	3	3	2
-45°	5	5	5	5	4	4	4	3	3	2	1
-47.5°	4	4	4	4	4	3	3	3	2	2	1
-50°	4	3	3	3	3	3	2	2	2	1	1
-52.5°	3	3	3	3	2	2	2	1	1	1	0
-55°	3	3	2	2	2	1	1	1	0	0	0
-57.5°	2	2	1	1	1	1	0	0	0	0	0
-60°	1	1	1	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: P246966 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-BK-LSL

**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°	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°	1	0	0	0	0	0	0	0	0	0	0
40°	1	1	0	0	0	0	0	0	0	0	0
37.5°	2	1	0	0	0	0	0	0	0	0	0
35°	2	2	1	0	0	0	0	0	0	0	0
32.5°	3	2	1	1	0	0	0	0	0	0	0
30°	4	3	2	1	0	0	0	0	0	0	0
27.5°	4	3	2	1	0	0	0	0	0	0	0
25°	5	4	3	1	1	0	0	0	0	0	0
22.5°	5	4	3	2	1	0	0	0	0	0	0
20°	6	5	4	2	1	1	0	0	0	0	0
17.5°	7	5	4	2	1	1	0	0	0	0	0
15°	7	5	4	3	1	1	0	0	0	0	0
12.5°	7	6	5	3	1	1	0	0	0	0	0
10°	8	6	5	4	2	1	1	0	0	0	0
7.5°	8	7	5	4	2	1	1	0	0	0	0
5°	8	7	5	4	2	1	1	0	0	0	0
2.5°	9	7	5	4	2	1	1	0	0	0	0
0°	9	7	5	4	2	1	1	0	0	0	0
-2.5°	9	7	5	4	2	1	1	0	0	0	0
-5°	8	7	5	4	2	1	1	0	0	0	0
-7.5°	8	7	5	4	2	1	1	0	0	0	0
-10°	8	6	5	4	2	1	1	0	0	0	0
-12.5°	7	6	5	3	1	1	1	0	0	0	0
-15°	7	5	4	3	1	1	1	0	0	0	0
-17.5°	7	5	4	2	1	1	0	0	0	0	0
-20°	6	5	4	2	1	1	0	0	0	0	0



REPORT NUMBER: P246966 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-BK-LSL

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5	4	3	2	1	1	0	0	0	0	0
-25°	5	4	3	1	1	1	0	0	0	0	0
-27.5°	4	3	2	1	1	0	0	0	0	0	0
-30°	4	3	2	1	1	0	0	0	0	0	0
-32.5°	3	2	1	1	1	0	0	0	0	0	0
-35°	3	2	1	1	0	0	0	0	0	0	0
-37.5°	2	1	1	1	0	0	0	0	0	0	0
-40°	2	1	1	0	0	0	0	0	0	0	0
-42.5°	1	1	1	0	0	0	0	0	0	0	0
-45°	1	1	0	0	0	0	0	0	0	0	0
-47.5°	1	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: P246966 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-BK-LSL

**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: P246966 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED3010-12-BK-LSL

**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)