

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: P247009 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED2710-12-BK-LSL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247009 (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: 203-8LED2710-12-BK-LSL  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC,  
REGRESSED HOOD BLACK, LINEAR SPREAD LENS  
Light Source: (1) SORAA 2700K 95 CRI 10°NSP LED  
SM16-07-10D-927-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

**Summary**

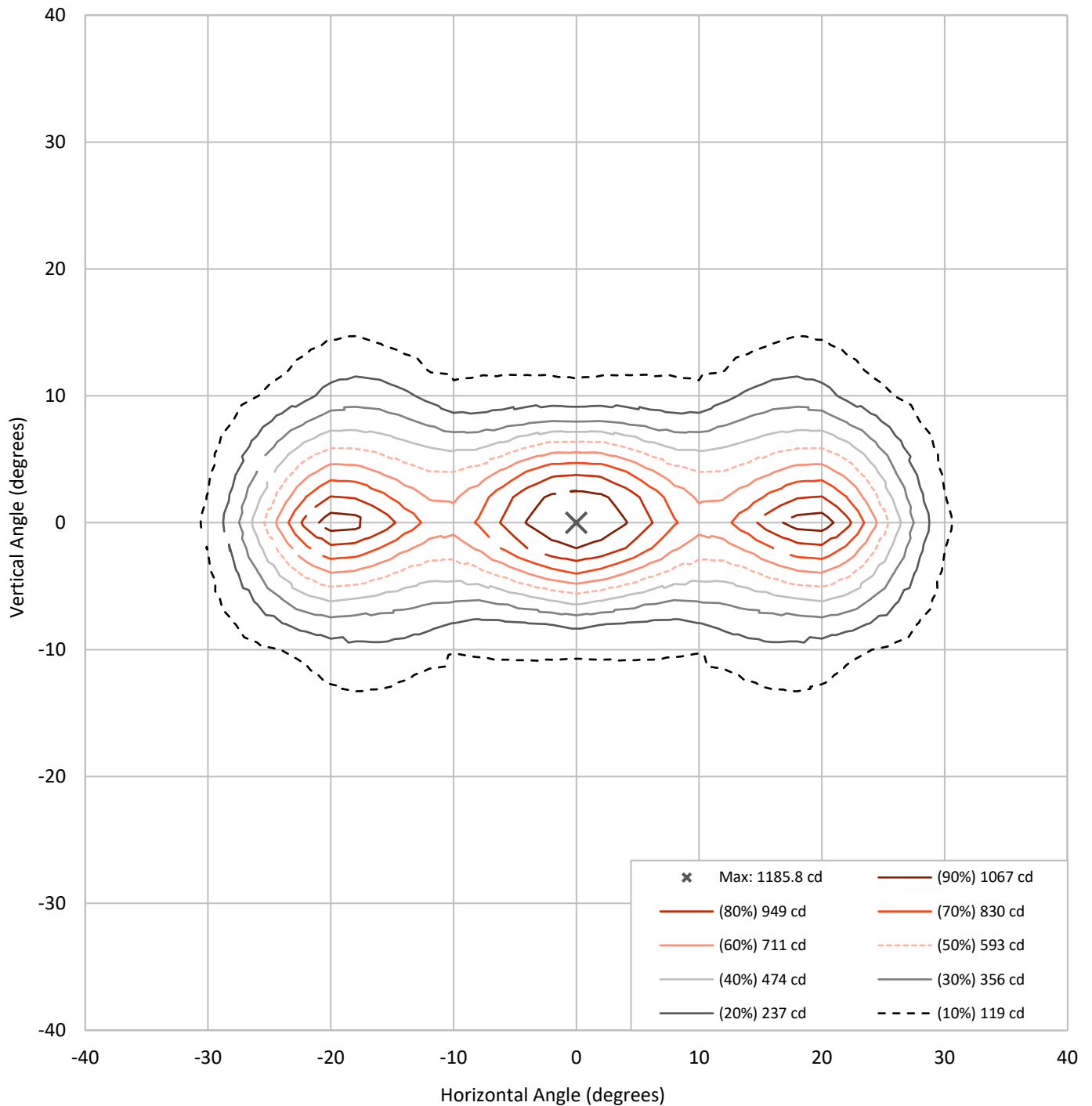
Lumens per Lamp:	N/A	NEMA Type:	4H x 2V
Luminaire Lumens:	231.1 lumens	Max Intensity:	1185.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	28.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	50.8°H x 12°V	Field Angle (10%):	61.2°H x 22.1°V
Beam Lumens:	108.7 lumens	Field Lumens:	189.7 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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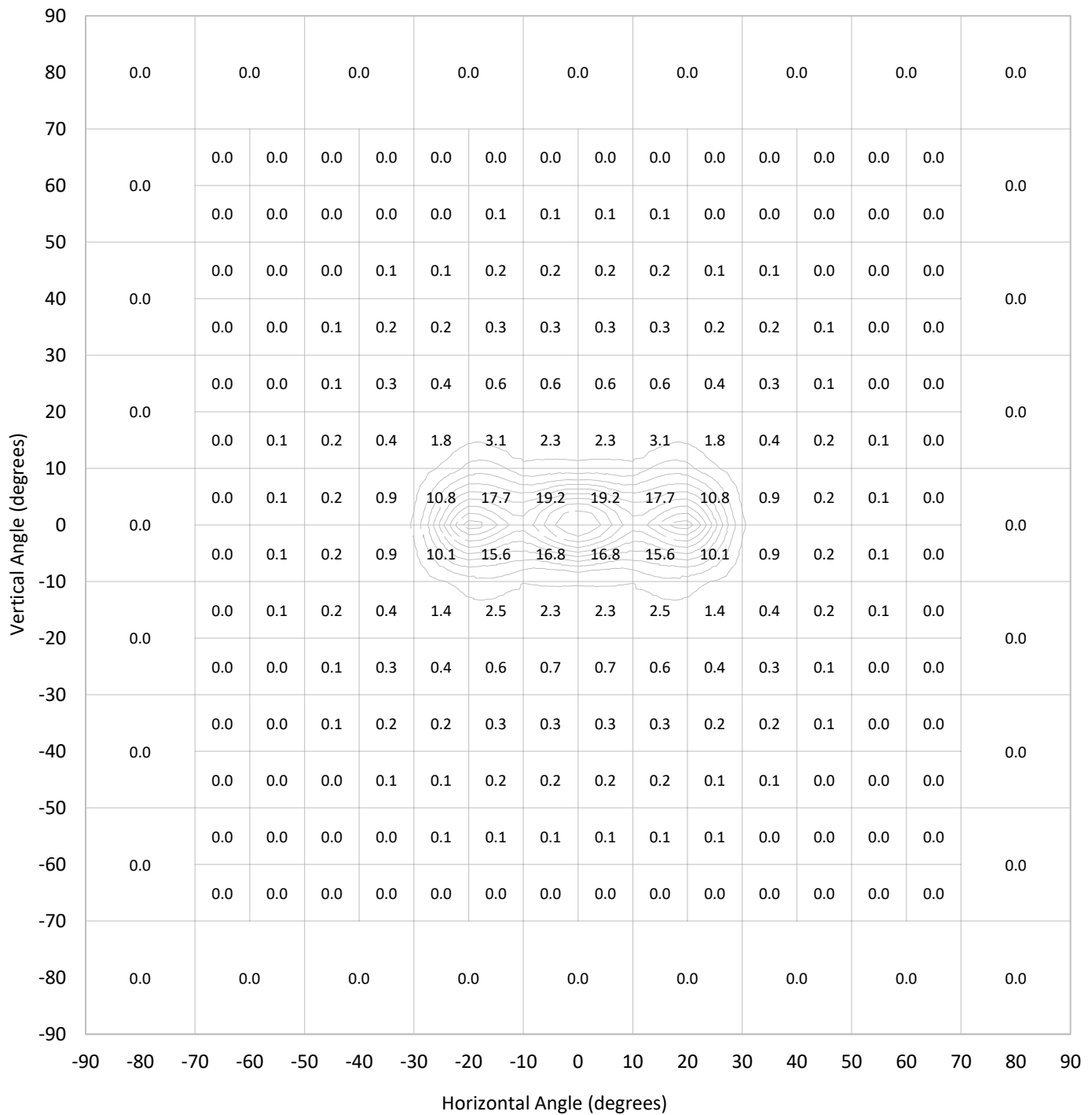
### Iso-Candela Plot





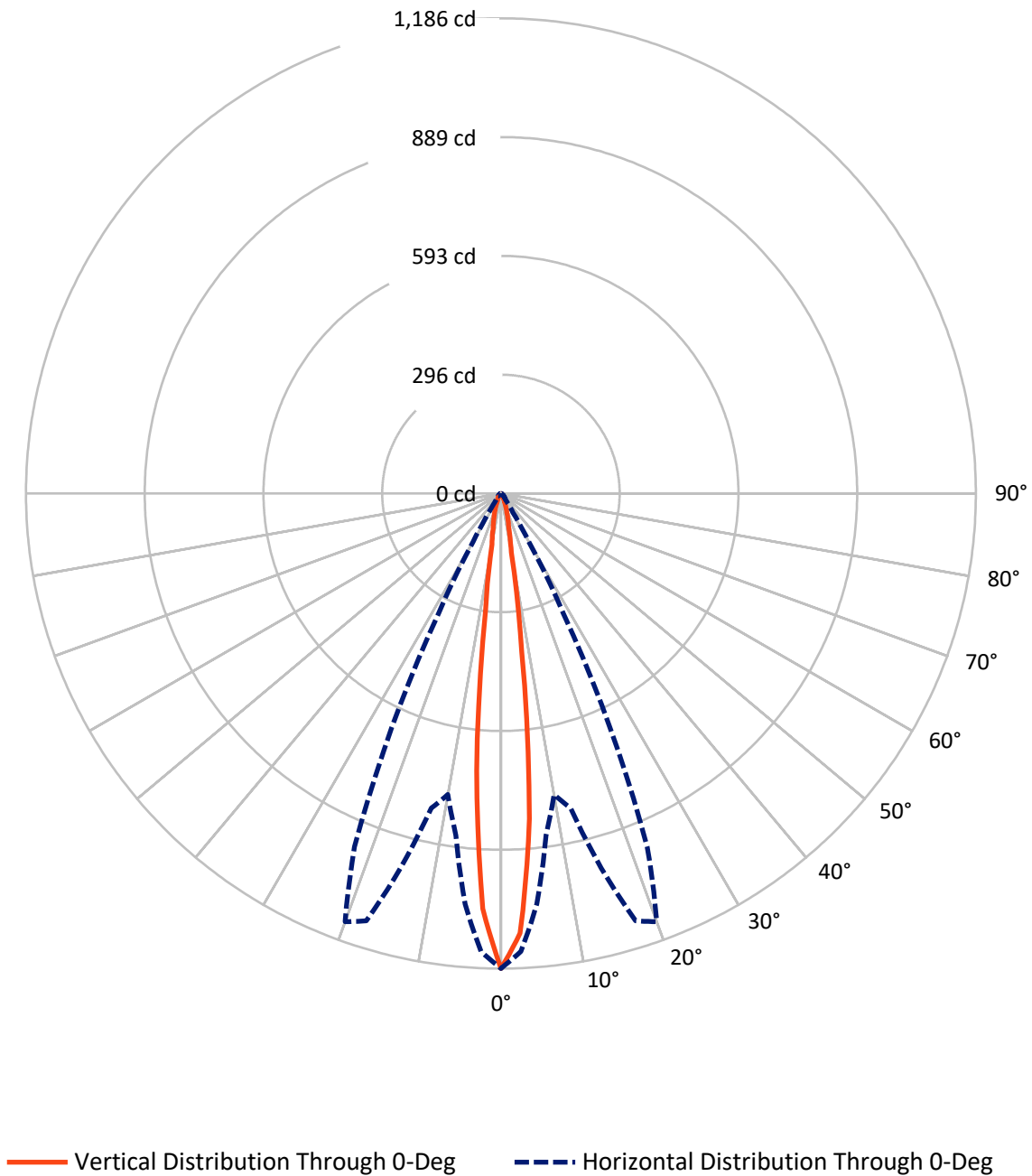
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### Lumen Table



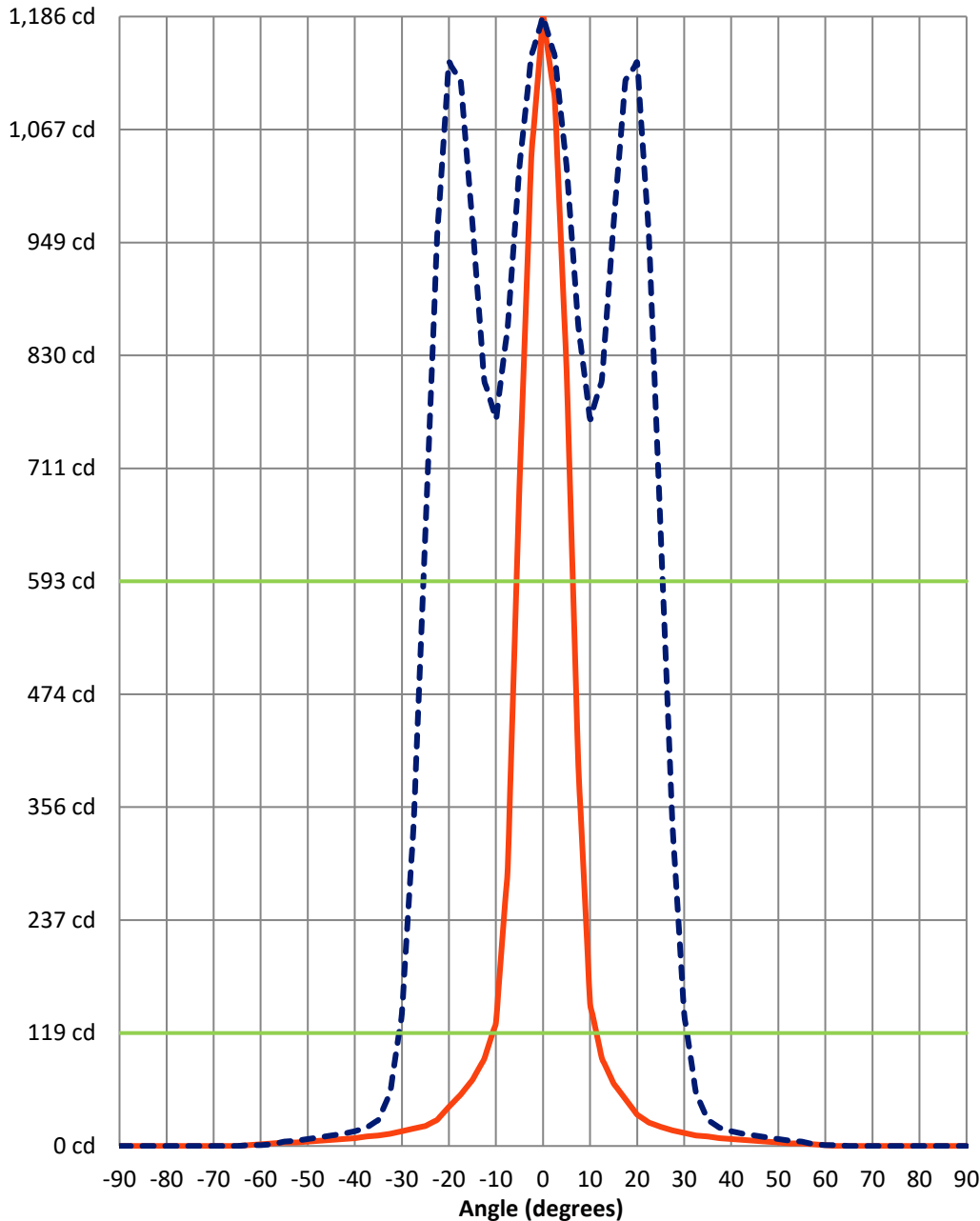
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 50.8°  
 V Angle: 12°  
 Lumens: 108.7  
 Efficiency: 47.1%

**Field:**  
 H Angle: 61.2°  
 V Angle: 22.1°  
 Lumens: 189.7  
 Efficiency: 82.1%

**Spill:**  
 Lumens: 41.4  
 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: P247009 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED2710-12-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: P247009 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-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	5
37.5°	0	0	0	0	0	1	2	3	4	5	5
35°	0	0	0	0	1	2	3	4	4	5	6
32.5°	0	0	0	1	1	2	3	4	5	6	7
30°	0	0	0	1	2	3	4	5	6	7	7
27.5°	0	0	0	1	2	4	4	6	7	7	8
25°	0	0	1	1	3	4	5	6	7	8	9
22.5°	0	0	1	2	3	4	6	7	8	9	10
20°	0	1	1	2	4	5	6	7	8	10	11
17.5°	0	1	1	2	4	5	7	8	9	10	12
15°	0	1	1	3	5	6	7	8	10	11	13
12.5°	0	1	1	3	5	6	8	9	10	12	14
10°	1	1	2	4	5	6	8	10	11	13	15
7.5°	1	1	2	4	5	7	8	10	11	14	16
5°	1	1	2	4	5	7	9	10	12	15	18
2.5°	1	1	2	4	5	7	9	11	12	15	18
0°	1	1	2	5	5	7	9	11	13	15	19
-2.5°	1	1	2	4	5	7	9	11	12	15	18
-5°	1	1	2	4	5	7	9	10	12	15	18
-7.5°	1	1	2	4	5	7	8	10	11	14	16
-10°	1	1	2	4	5	6	8	10	11	13	15
-12.5°	1	1	1	3	5	6	8	9	10	12	14
-15°	1	1	1	3	5	6	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	10	11



REPORT NUMBER: P247009 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-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	6	7	8	9	10
-25°	0	1	1	1	3	4	5	6	7	8	9
-27.5°	0	0	1	1	2	4	4	6	7	7	8
-30°	0	0	1	1	2	3	4	5	6	7	7
-32.5°	0	0	1	1	1	2	4	4	5	6	7
-35°	0	0	0	1	1	2	3	4	4	5	6
-37.5°	0	0	0	1	1	1	2	3	4	5	5
-40°	0	0	0	0	1	1	2	2	3	4	5
-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: P247009 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-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	4	4	4	4	4
47.5°	2	3	3	4	4	4	5	5	5	5	5
45°	3	4	4	5	5	5	5	6	6	6	6
42.5°	4	5	5	6	6	6	6	6	7	7	7
40°	5	6	6	6	7	7	7	7	7	7	8
37.5°	6	6	7	7	8	8	8	8	8	9	9
35°	6	7	7	8	9	9	9	10	10	10	10
32.5°	7	8	9	9	10	10	11	11	11	11	12
30°	8	9	10	10	11	12	12	13	13	13	13
27.5°	9	10	11	12	13	13	14	15	15	15	16
25°	10	11	12	14	15	16	17	18	19	20	19
22.5°	11	13	14	16	18	20	20	22	24	25	25
20°	13	14	16	20	24	27	29	29	32	34	33
17.5°	14	16	20	25	32	43	53	46	43	46	47
15°	15	19	24	33	50	74	97	105	70	63	67
12.5°	17	22	31	44	74	124	176	195	166	94	93
10°	19	28	48	85	137	195	279	317	287	221	144
7.5°	22	35	70	142	252	369	444	444	424	372	319
5°	24	43	94	209	384	566	675	669	597	543	536
2.5°	26	50	118	277	520	767	910	893	783	681	678
0°	27	56	139	338	644	955	1137	1118	969	804	763
-2.5°	26	50	117	273	507	739	868	846	734	631	626
-5°	24	42	92	203	361	515	596	576	499	442	448
-7.5°	21	35	68	135	224	304	336	306	314	294	258
-10°	19	28	46	78	112	130	184	217	213	178	123
-12.5°	17	22	30	39	60	88	121	138	128	87	87
-15°	15	18	23	31	43	59	73	80	64	63	67
-17.5°	14	16	19	24	30	39	45	44	44	48	52
-20°	13	14	16	19	23	27	28	30	34	36	38



REPORT NUMBER: P247009 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-BK-LSL

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11	13	14	16	18	20	21	23	25	27	28
-25°	10	11	12	14	15	16	17	19	20	21	21
-27.5°	9	10	11	12	13	13	15	16	17	17	17
-30°	8	9	10	10	11	12	13	13	14	14	15
-32.5°	7	8	9	9	10	11	11	12	12	12	13
-35°	6	7	7	8	9	9	10	10	11	11	11
-37.5°	6	6	7	7	8	8	9	9	9	10	10
-40°	5	6	6	6	7	7	8	8	8	8	8
-42.5°	4	5	5	6	6	6	7	7	7	8	8
-45°	4	4	4	5	5	5	5	6	6	6	6
-47.5°	3	3	4	4	4	4	5	5	5	5	5
-50°	2	3	3	3	3	4	4	4	4	4	4
-52.5°	2	2	2	3	3	3	3	3	3	3	4
-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: P247009 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-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	5	5	5	5	5	5	5	5
45°	6	6	6	6	6	6	6	6	6	6	6
42.5°	7	7	7	7	7	7	7	7	7	7	6
40°	8	8	7	7	7	8	8	8	7	7	7
37.5°	9	9	8	8	8	9	9	9	9	8	8
35°	10	10	10	10	10	10	10	10	10	10	10
32.5°	12	12	11	11	11	12	12	12	11	11	11
30°	14	14	14	14	14	14	14	13	13	13	13
27.5°	16	17	17	16	17	17	16	16	15	15	15
25°	20	20	20	20	20	20	20	19	20	19	18
22.5°	25	26	25	25	25	26	25	25	25	24	22
20°	33	35	34	33	34	35	33	33	34	32	29
17.5°	48	50	51	49	51	50	48	47	46	43	46
15°	68	68	68	66	68	68	68	67	63	70	105
12.5°	98	93	96	92	96	93	98	93	94	166	195
10°	155	169	163	150	163	169	155	144	221	287	317
7.5°	307	351	406	400	406	351	307	319	372	424	444
5°	560	678	804	815	804	678	560	536	543	597	669
2.5°	781	954	1069	1099	1069	954	781	678	681	783	893
0°	861	1029	1144	1186	1144	1029	861	763	804	969	1118
-2.5°	714	872	987	1038	987	872	714	626	631	734	846
-5°	459	530	632	695	632	530	459	448	442	499	576
-7.5°	217	243	261	292	261	243	217	258	294	314	306
-10°	129	134	131	130	131	134	129	123	178	213	217
-12.5°	91	89	92	91	92	89	91	87	87	128	138
-15°	68	69	70	69	70	69	68	67	63	64	80
-17.5°	52	54	55	54	55	54	52	52	48	44	44
-20°	40	42	42	41	42	42	40	38	36	34	30



REPORT NUMBER: P247009 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-BK-LSL

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	29	29	29	27	29	29	29	28	27	25	23
-25°	22	22	22	21	22	22	22	21	21	20	19
-27.5°	18	18	18	18	18	18	18	17	17	17	16
-30°	15	15	16	16	16	15	15	15	14	14	13
-32.5°	13	13	13	13	13	13	13	13	12	12	12
-35°	11	11	11	11	11	11	11	11	11	11	10
-37.5°	10	10	10	10	10	10	10	10	10	9	9
-40°	8	8	8	8	8	8	8	8	8	8	8
-42.5°	8	8	7	7	7	8	8	8	8	7	7
-45°	7	7	7	6	7	7	7	6	6	6	6
-47.5°	5	5	5	6	5	5	5	5	5	5	5
-50°	4	5	5	5	5	5	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	4	3	3	3
-55°	3	3	4	4	4	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: P247009 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-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°	4	3	3	3	2	2	2	1	1	0	0
47.5°	5	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	6	5	5	4	3	3	2	1
40°	7	7	7	6	6	6	5	5	4	3	2
37.5°	8	8	8	7	7	6	6	5	5	4	3
35°	9	9	9	8	7	7	6	6	5	4	4
32.5°	11	10	10	9	9	8	7	7	6	5	4
30°	12	12	11	10	10	9	8	7	7	6	5
27.5°	14	13	13	12	11	10	9	8	7	7	6
25°	17	16	15	14	12	11	10	9	8	7	6
22.5°	20	20	18	16	14	13	11	10	9	8	7
20°	29	27	24	20	16	14	13	11	10	8	7
17.5°	53	43	32	25	20	16	14	12	10	9	8
15°	97	74	50	33	24	19	15	13	11	10	8
12.5°	176	124	74	44	31	22	17	14	12	10	9
10°	279	195	137	85	48	28	19	15	13	11	10
7.5°	444	369	252	142	70	35	22	16	14	11	10
5°	675	566	384	209	94	43	24	18	15	12	10
2.5°	910	767	520	277	118	50	26	18	15	12	11
0°	1137	955	644	338	139	56	27	19	15	13	11
-2.5°	868	739	507	273	117	50	26	18	15	12	11
-5°	596	515	361	203	92	42	24	18	15	12	10
-7.5°	336	304	224	135	68	35	21	16	14	11	10
-10°	184	130	112	78	46	28	19	15	13	11	10
-12.5°	121	88	60	39	30	22	17	14	12	10	9
-15°	73	59	43	31	23	18	15	13	11	10	8
-17.5°	45	39	30	24	19	16	14	12	10	9	8
-20°	28	27	23	19	16	14	13	11	10	8	7



REPORT NUMBER: P247009 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-BK-LSL

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	21	20	18	16	14	13	11	10	9	8	7
-25°	17	16	15	14	12	11	10	9	8	7	6
-27.5°	15	13	13	12	11	10	9	8	7	7	6
-30°	13	12	11	10	10	9	8	7	7	6	5
-32.5°	11	11	10	9	9	8	7	7	6	5	4
-35°	10	9	9	8	7	7	6	6	5	4	4
-37.5°	9	8	8	7	7	6	6	5	5	4	3
-40°	8	7	7	6	6	6	5	5	4	3	2
-42.5°	7	6	6	6	5	5	4	4	3	3	2
-45°	5	5	5	5	4	4	4	3	3	2	1
-47.5°	5	4	4	4	4	3	3	3	2	2	1
-50°	4	4	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: P247009 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-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°	3	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	4	2	1	0	0	0	0	0	0	0
25°	5	4	3	1	1	0	0	0	0	0	0
22.5°	6	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	6	5	3	1	1	0	0	0	0	0
12.5°	8	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°	9	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	5	2	1	1	0	0	0	0
-2.5°	9	7	5	4	2	1	1	0	0	0	0
-5°	9	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°	8	6	5	3	1	1	1	0	0	0	0
-15°	7	6	5	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: P247009 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-BK-LSL

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6	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	4	2	1	1	0	0	0	0	0	0
-30°	4	3	2	1	1	0	0	0	0	0	0
-32.5°	4	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: P247009 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-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: P247009 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED2710-12-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)