

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: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED2710-12-CS-DIFF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-36)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-8LED2710-12-CS-DIFF  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC,  
REGRESSED HOOD SILVER, DIFFUSED LENS  
Light Source: (1) SORAA 2700K 95 CRI 10° NSP LED  
SM16-07-10D-927-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

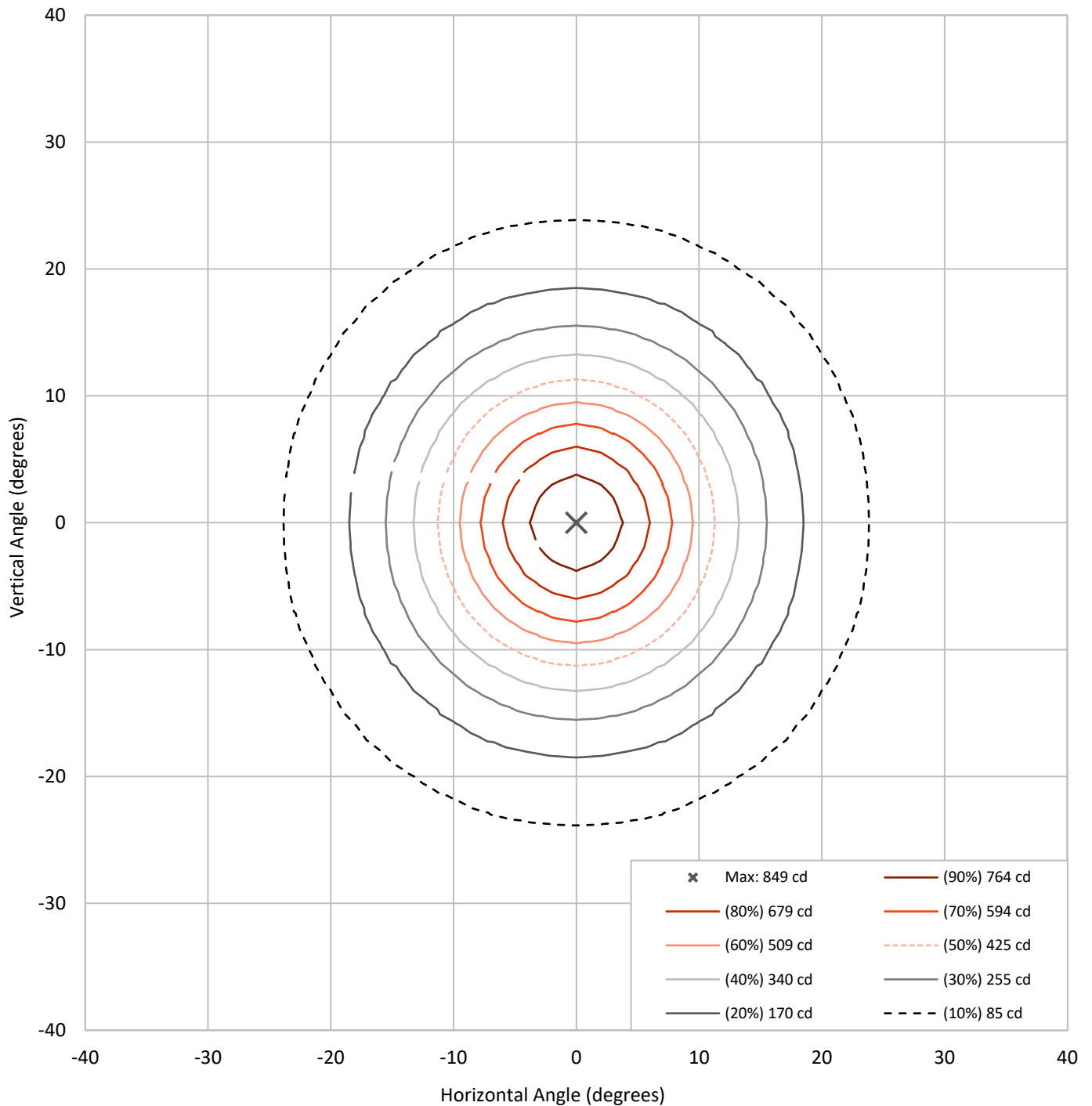
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	212.1 lumens	Max Intensity:	849 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	28.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	22.6°H x 22.6°V	Field Angle (10%):	47.7°H x 47.7°V
Beam Lumens:	68.9 lumens	Field Lumens:	152.5 lumens
Beam Efficiency:	32.5%	Field Efficiency:	71.9%
Input Watts (W):	7.5		
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		



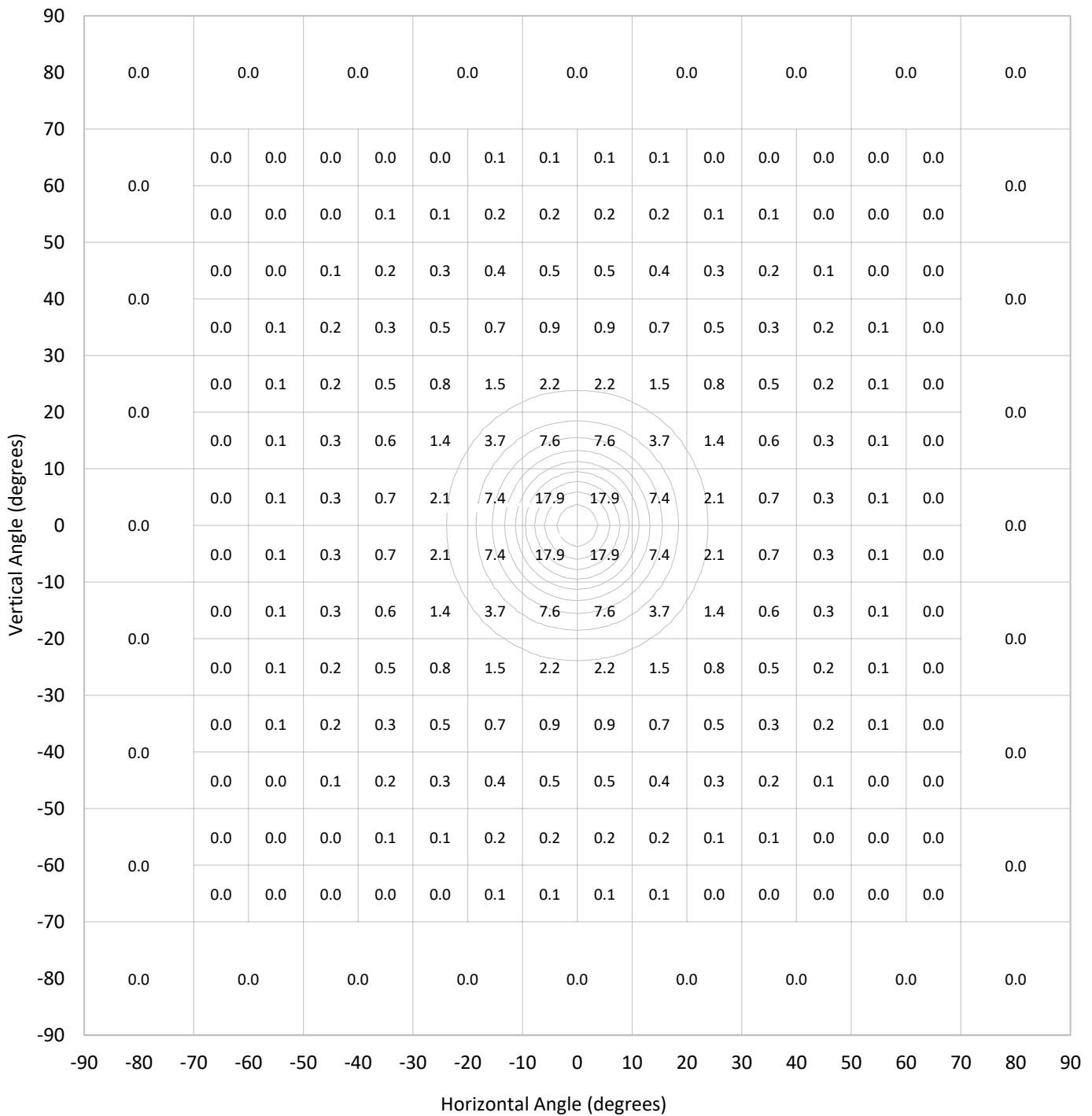
REPORT NUMBER: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

### Iso-Candela Plot



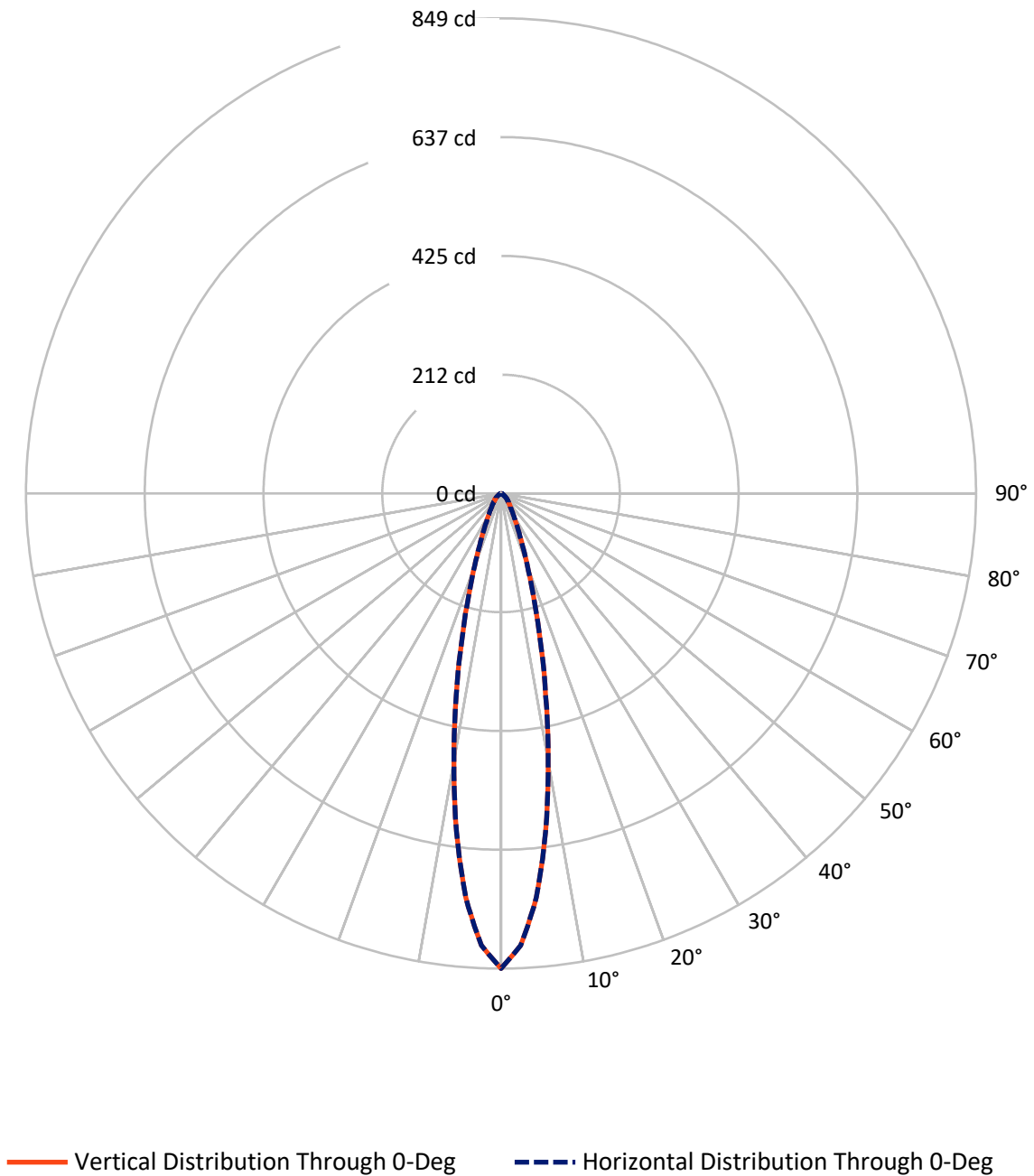
REPORT NUMBER: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

### Lumen Table



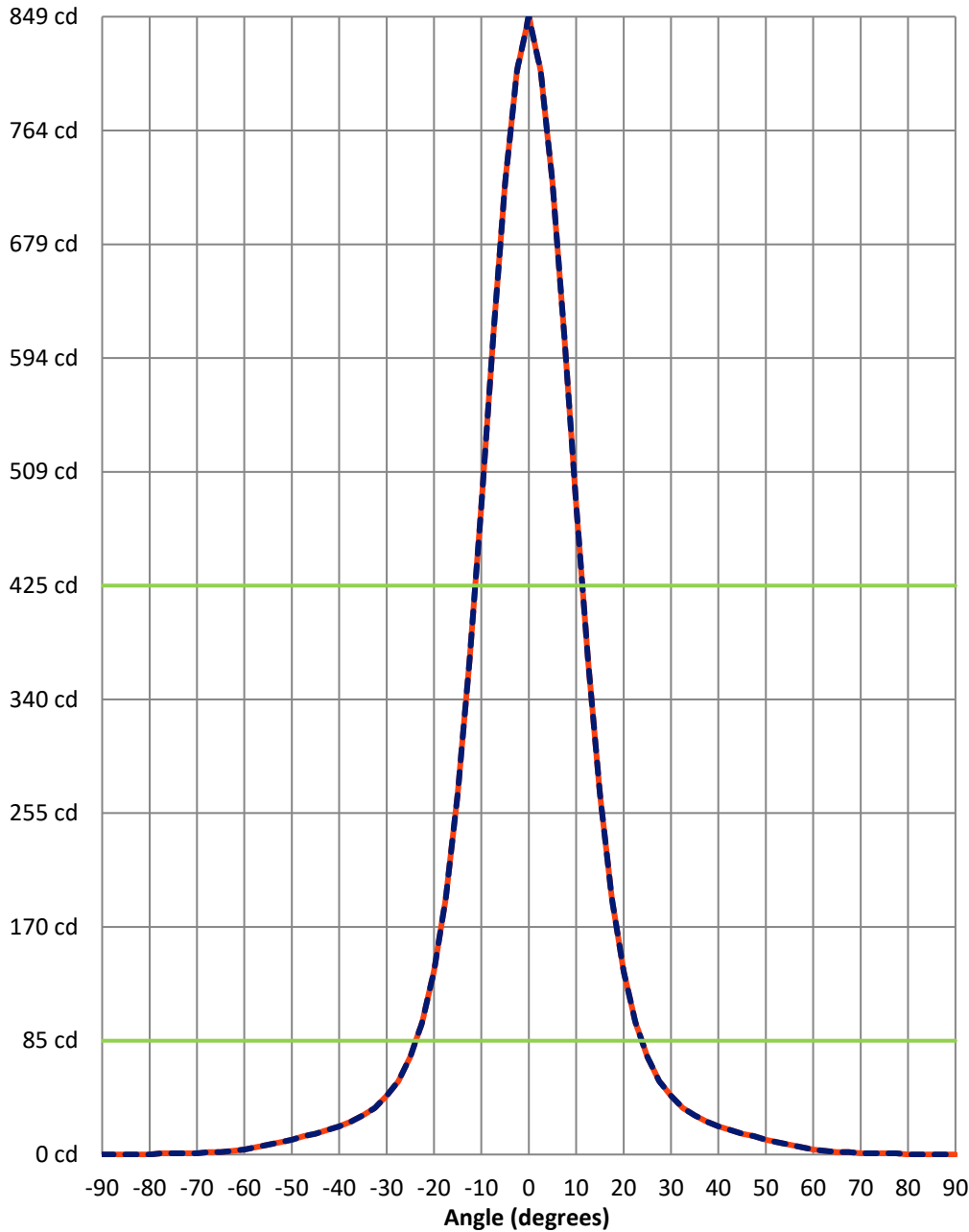
REPORT NUMBER: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

### Luminous Intensity Polar Plot



REPORT NUMBER: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

### Luminous Intensity Plot



**Beam:**  
 H Angle: 22.6°  
 V Angle: 22.6°  
 Lumens: 68.9  
 Efficiency: 32.5%

**Field:**  
 H Angle: 47.7°  
 V Angle: 47.7°  
 Lumens: 152.5  
 Efficiency: 71.9%

**Spill:**  
 Lumens: 59.6  
 Efficiency: 28.1%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

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	2
25°	0	0	0	0	0	0	1	1	1	1	2
22.5°	0	0	0	0	0	1	1	1	1	1	2
20°	0	0	0	0	0	1	1	1	1	1	2
17.5°	0	0	0	0	0	1	1	1	1	1	2
15°	0	0	0	0	0	1	1	1	1	2	2
12.5°	0	0	0	0	0	1	1	1	1	2	2
10°	0	0	0	0	0	1	1	1	1	2	2
7.5°	0	0	0	0	0	1	1	1	1	2	2
5°	0	0	0	0	0	1	1	1	1	2	2
2.5°	0	0	0	0	0	1	1	1	1	2	2
0°	0	0	0	0	0	1	1	1	1	2	2
-2.5°	0	0	0	0	0	1	1	1	1	2	2
-5°	0	0	0	0	0	1	1	1	1	2	2
-7.5°	0	0	0	0	0	1	1	1	1	2	2
-10°	0	0	0	0	0	1	1	1	1	2	2
-12.5°	0	0	0	0	0	1	1	1	1	2	2
-15°	0	0	0	0	0	1	1	1	1	2	2
-17.5°	0	0	0	0	0	1	1	1	1	1	2
-20°	0	0	0	0	0	1	1	1	1	1	2



REPORT NUMBER: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

**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	2
-25°	0	0	0	0	0	0	1	1	1	1	2
-27.5°	0	0	0	0	0	0	1	1	1	1	2
-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: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

**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	2	2
57.5°	1	1	1	1	1	1	1	2	2	2	2
55°	1	1	1	1	1	1	2	2	2	2	3
52.5°	1	1	1	1	2	2	2	2	2	3	3
50°	1	1	1	1	2	2	2	3	3	3	4
47.5°	1	1	1	2	2	2	3	3	4	5	5
45°	1	1	2	2	2	3	3	4	5	6	7
42.5°	1	1	2	2	2	3	4	5	6	7	8
40°	1	2	2	2	3	3	5	6	7	8	9
37.5°	1	2	2	3	3	4	5	7	8	9	10
35°	2	2	2	3	4	5	6	8	9	10	12
32.5°	2	2	3	3	4	6	7	8	10	11	13
30°	2	2	3	4	5	6	8	9	11	13	14
27.5°	2	2	3	4	6	7	9	10	12	14	15
25°	2	3	3	5	6	8	9	11	13	15	17
22.5°	2	3	4	5	7	8	10	12	14	16	18
20°	2	3	4	6	7	9	11	13	15	17	19
17.5°	2	3	4	6	8	9	11	14	15	18	20
15°	2	3	5	6	8	10	12	14	16	19	21
12.5°	2	3	5	7	8	10	12	15	17	19	22
10°	3	3	5	7	9	10	13	15	17	20	23
7.5°	3	4	5	7	9	11	13	15	18	20	24
5°	3	4	5	7	9	11	13	15	18	21	24
2.5°	3	4	5	7	9	11	14	15	18	21	24
0°	3	4	6	7	9	11	14	16	18	21	25
-2.5°	3	4	5	7	9	11	14	15	18	21	24
-5°	3	4	5	7	9	11	13	15	18	21	24
-7.5°	3	4	5	7	9	11	13	15	18	20	24
-10°	3	3	5	7	9	10	13	15	17	20	23
-12.5°	2	3	5	7	8	10	12	15	17	19	22
-15°	2	3	5	6	8	10	12	14	16	19	21
-17.5°	2	3	4	6	8	9	11	14	15	18	20
-20°	2	3	4	6	7	9	11	13	15	17	19



REPORT NUMBER: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2	3	4	5	7	8	10	12	14	16	18
-25°	2	3	3	5	6	8	9	11	13	15	17
-27.5°	2	2	3	4	6	7	9	10	12	14	15
-30°	2	2	3	4	5	6	8	9	11	13	14
-32.5°	2	2	3	3	4	6	7	8	10	11	13
-35°	2	2	2	3	4	5	6	8	9	10	12
-37.5°	1	2	2	3	3	4	5	7	8	9	10
-40°	1	2	2	2	3	3	5	6	7	8	9
-42.5°	1	1	2	2	2	3	4	5	6	7	8
-45°	1	1	2	2	2	3	3	4	5	6	7
-47.5°	1	1	1	2	2	2	3	3	4	5	5
-50°	1	1	1	1	2	2	2	3	3	3	4
-52.5°	1	1	1	1	2	2	2	2	2	3	3
-55°	1	1	1	1	1	1	2	2	2	2	3
-57.5°	1	1	1	1	1	1	1	2	2	2	2
-60°	1	1	1	1	1	1	1	1	1	2	2
-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: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

**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	2	2	2
65°	1	1	1	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	3
60°	2	2	2	2	3	3	3	3	3	3	3
57.5°	2	3	3	3	3	4	4	4	5	5	5
55°	3	3	4	4	5	5	6	6	6	7	7
52.5°	4	4	5	6	6	7	7	8	8	8	9
50°	5	6	6	7	8	8	9	9	10	10	10
47.5°	6	7	8	9	9	10	11	11	12	12	13
45°	8	8	9	10	11	12	13	14	14	15	15
42.5°	9	10	11	12	13	14	15	15	16	17	17
40°	10	11	13	14	15	16	17	18	19	19	20
37.5°	12	13	14	15	17	18	19	20	21	22	23
35°	13	15	16	17	19	20	21	23	24	26	27
32.5°	15	16	18	19	21	23	24	27	28	30	32
30°	16	18	19	21	23	26	28	31	33	36	38
27.5°	17	19	21	24	26	29	32	36	40	44	48
25°	19	21	23	26	30	33	38	43	49	54	60
22.5°	20	23	26	29	33	39	45	52	60	69	78
20°	21	24	28	32	38	45	53	63	75	89	102
17.5°	23	27	31	36	43	52	63	78	95	116	136
15°	24	28	33	40	49	60	75	95	120	149	182
12.5°	26	30	36	44	54	69	89	116	149	189	240
10°	27	32	38	48	60	78	102	136	182	240	305
7.5°	28	33	41	51	65	87	117	159	216	287	370
5°	29	34	42	53	70	93	128	177	245	331	431
2.5°	29	35	43	54	72	97	135	188	263	359	471
0°	29	35	44	55	73	99	137	192	269	369	485
-2.5°	29	35	43	54	72	97	135	188	263	359	471
-5°	29	34	42	53	70	93	128	177	245	331	431
-7.5°	28	33	41	51	65	87	117	159	216	287	370
-10°	27	32	38	48	60	78	102	136	182	240	305
-12.5°	26	30	36	44	54	69	89	116	149	189	240
-15°	24	28	33	40	49	60	75	95	120	149	182
-17.5°	23	27	31	36	43	52	63	78	95	116	136
-20°	21	24	28	32	38	45	53	63	75	89	102



REPORT NUMBER: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	20	23	26	29	33	39	45	52	60	69	78
-25°	19	21	23	26	30	33	38	43	49	54	60
-27.5°	17	19	21	24	26	29	32	36	40	44	48
-30°	16	18	19	21	23	26	28	31	33	36	38
-32.5°	15	16	18	19	21	23	24	27	28	30	32
-35°	13	15	16	17	19	20	21	23	24	26	27
-37.5°	12	13	14	15	17	18	19	20	21	22	23
-40°	10	11	13	14	15	16	17	18	19	19	20
-42.5°	9	10	11	12	13	14	15	15	16	17	17
-45°	8	8	9	10	11	12	13	14	14	15	15
-47.5°	6	7	8	9	9	10	11	11	12	12	13
-50°	5	6	6	7	8	8	9	9	10	10	10
-52.5°	4	4	5	6	6	7	7	8	8	8	9
-55°	3	3	4	4	5	5	6	6	6	7	7
-57.5°	2	3	3	3	3	4	4	4	5	5	5
-60°	2	2	2	2	3	3	3	3	3	3	3
-62.5°	2	2	2	2	2	2	2	2	2	2	3
-65°	1	1	1	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	1	2	2	2
-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: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

**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°	2	2	2	2	2	2	2	2	2	2	1
65°	2	2	2	2	2	2	2	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	2	2	2
60°	4	4	4	4	4	4	4	3	3	3	3
57.5°	5	5	5	6	5	5	5	5	5	5	4
55°	7	7	7	7	7	7	7	7	7	6	6
52.5°	9	9	9	9	9	9	9	9	8	8	8
50°	11	11	11	11	11	11	11	10	10	10	9
47.5°	13	13	14	14	14	13	13	13	12	12	11
45°	15	15	15	16	15	15	15	15	15	14	14
42.5°	18	18	18	18	18	18	18	17	17	16	15
40°	20	21	21	21	21	21	20	20	19	19	18
37.5°	24	24	24	25	24	24	24	23	22	21	20
35°	28	29	29	29	29	29	28	27	26	24	23
32.5°	33	34	35	35	35	34	33	32	30	28	27
30°	41	42	43	44	43	42	41	38	36	33	31
27.5°	51	53	54	55	54	53	51	48	44	40	36
25°	65	70	72	73	72	70	65	60	54	49	43
22.5°	87	93	97	99	97	93	87	78	69	60	52
20°	117	128	135	137	135	128	117	102	89	75	63
17.5°	159	177	188	192	188	177	159	136	116	95	78
15°	216	245	263	269	263	245	216	182	149	120	95
12.5°	287	331	359	369	359	331	287	240	189	149	116
10°	370	431	471	485	471	431	370	305	240	182	136
7.5°	457	534	590	610	590	534	457	370	287	216	159
5°	534	632	700	725	700	632	534	431	331	245	177
2.5°	590	700	778	808	778	700	590	471	359	263	188
0°	610	725	808	849	808	725	610	485	369	269	192
-2.5°	590	700	778	808	778	700	590	471	359	263	188
-5°	534	632	700	725	700	632	534	431	331	245	177
-7.5°	457	534	590	610	590	534	457	370	287	216	159
-10°	370	431	471	485	471	431	370	305	240	182	136
-12.5°	287	331	359	369	359	331	287	240	189	149	116
-15°	216	245	263	269	263	245	216	182	149	120	95
-17.5°	159	177	188	192	188	177	159	136	116	95	78
-20°	117	128	135	137	135	128	117	102	89	75	63



REPORT NUMBER: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	87	93	97	99	97	93	87	78	69	60	52
-25°	65	70	72	73	72	70	65	60	54	49	43
-27.5°	51	53	54	55	54	53	51	48	44	40	36
-30°	41	42	43	44	43	42	41	38	36	33	31
-32.5°	33	34	35	35	35	34	33	32	30	28	27
-35°	28	29	29	29	29	29	28	27	26	24	23
-37.5°	24	24	24	25	24	24	24	23	22	21	20
-40°	20	21	21	21	21	21	20	20	19	19	18
-42.5°	18	18	18	18	18	18	18	17	17	16	15
-45°	15	15	15	16	15	15	15	15	15	14	14
-47.5°	13	13	14	14	14	13	13	13	12	12	11
-50°	11	11	11	11	11	11	11	10	10	10	9
-52.5°	9	9	9	9	9	9	9	9	8	8	8
-55°	7	7	7	7	7	7	7	7	7	6	6
-57.5°	5	5	5	6	5	5	5	5	5	5	4
-60°	4	4	4	4	4	4	4	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	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: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

**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°	2	2	2	2	1	1	1	1	1	1	1
62.5°	2	2	2	2	2	2	2	1	1	1	1
60°	3	3	3	2	2	2	2	2	2	1	1
57.5°	4	4	3	3	3	3	2	2	2	2	2
55°	6	5	5	4	4	3	3	3	2	2	2
52.5°	7	7	6	6	5	4	4	3	3	2	2
50°	9	8	8	7	6	6	5	4	3	3	3
47.5°	11	10	9	9	8	7	6	5	5	4	3
45°	13	12	11	10	9	8	8	7	6	5	4
42.5°	15	14	13	12	11	10	9	8	7	6	5
40°	17	16	15	14	13	11	10	9	8	7	6
37.5°	19	18	17	15	14	13	12	10	9	8	7
35°	21	20	19	17	16	15	13	12	10	9	8
32.5°	24	23	21	19	18	16	15	13	11	10	8
30°	28	26	23	21	19	18	16	14	13	11	9
27.5°	32	29	26	24	21	19	17	15	14	12	10
25°	38	33	30	26	23	21	19	17	15	13	11
22.5°	45	39	33	29	26	23	20	18	16	14	12
20°	53	45	38	32	28	24	21	19	17	15	13
17.5°	63	52	43	36	31	27	23	20	18	15	14
15°	75	60	49	40	33	28	24	21	19	16	14
12.5°	89	69	54	44	36	30	26	22	19	17	15
10°	102	78	60	48	38	32	27	23	20	17	15
7.5°	117	87	65	51	41	33	28	24	20	18	15
5°	128	93	70	53	42	34	29	24	21	18	15
2.5°	135	97	72	54	43	35	29	24	21	18	15
0°	137	99	73	55	44	35	29	25	21	18	16
-2.5°	135	97	72	54	43	35	29	24	21	18	15
-5°	128	93	70	53	42	34	29	24	21	18	15
-7.5°	117	87	65	51	41	33	28	24	20	18	15
-10°	102	78	60	48	38	32	27	23	20	17	15
-12.5°	89	69	54	44	36	30	26	22	19	17	15
-15°	75	60	49	40	33	28	24	21	19	16	14
-17.5°	63	52	43	36	31	27	23	20	18	15	14
-20°	53	45	38	32	28	24	21	19	17	15	13



REPORT NUMBER: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	45	39	33	29	26	23	20	18	16	14	12
-25°	38	33	30	26	23	21	19	17	15	13	11
-27.5°	32	29	26	24	21	19	17	15	14	12	10
-30°	28	26	23	21	19	18	16	14	13	11	9
-32.5°	24	23	21	19	18	16	15	13	11	10	8
-35°	21	20	19	17	16	15	13	12	10	9	8
-37.5°	19	18	17	15	14	13	12	10	9	8	7
-40°	17	16	15	14	13	11	10	9	8	7	6
-42.5°	15	14	13	12	11	10	9	8	7	6	5
-45°	13	12	11	10	9	8	8	7	6	5	4
-47.5°	11	10	9	9	8	7	6	5	5	4	3
-50°	9	8	8	7	6	6	5	4	3	3	3
-52.5°	7	7	6	6	5	4	4	3	3	2	2
-55°	6	5	5	4	4	3	3	3	2	2	2
-57.5°	4	4	3	3	3	3	2	2	2	2	2
-60°	3	3	3	2	2	2	2	2	2	1	1
-62.5°	2	2	2	2	2	2	2	1	1	1	1
-65°	2	2	2	2	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: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

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



REPORT NUMBER: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	10	8	7	5	4	3	2	2	1	1	1
-25°	9	8	6	5	3	3	2	2	1	1	1
-27.5°	9	7	6	4	3	2	2	2	1	1	1
-30°	8	6	5	4	3	2	2	1	1	1	1
-32.5°	7	6	4	3	3	2	2	1	1	1	1
-35°	6	5	4	3	2	2	2	1	1	1	1
-37.5°	5	4	3	3	2	2	1	1	1	1	1
-40°	5	3	3	2	2	2	1	1	1	1	1
-42.5°	4	3	2	2	2	1	1	1	1	1	1
-45°	3	3	2	2	2	1	1	1	1	1	1
-47.5°	3	2	2	2	1	1	1	1	1	1	1
-50°	2	2	2	1	1	1	1	1	1	1	0
-52.5°	2	2	2	1	1	1	1	1	1	1	0
-55°	2	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: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

**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: P247012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2710-12-CS-DIFF

**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)