

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: P247013 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247013 (CONVERTED FROM TYPE C PHOTOMETRY)
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-37)
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-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD SILVER, LINEAR SPREAD LENS
Light Source: (1) SORAA 2700K 95 CRI 10° NSP LED
SM16-07-10D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

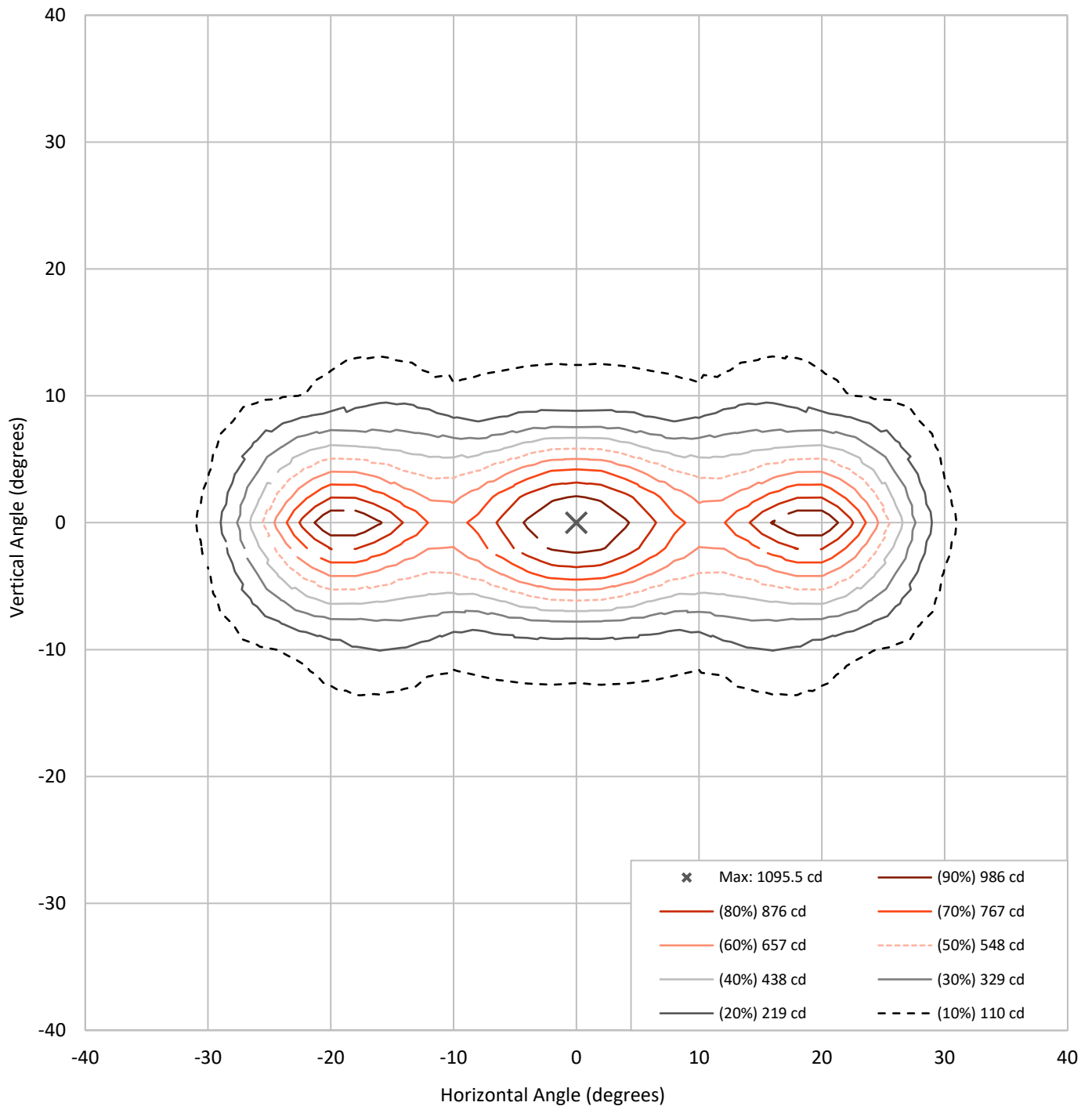
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 2V
Luminaire Lumens:	230.6 lumens	Max Intensity:	1095.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	30.7 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	51.1°H x 12°V	Field Angle (10%):	61.9°H x 24.8°V
Beam Lumens:	104.1 lumens	Field Lumens:	176 lumens
Beam Efficiency:	45.2%	Field Efficiency:	76.3%
Input Watts (W):	7.5		
Input Voltage (V):	NR		
Input Current (A _{in}):	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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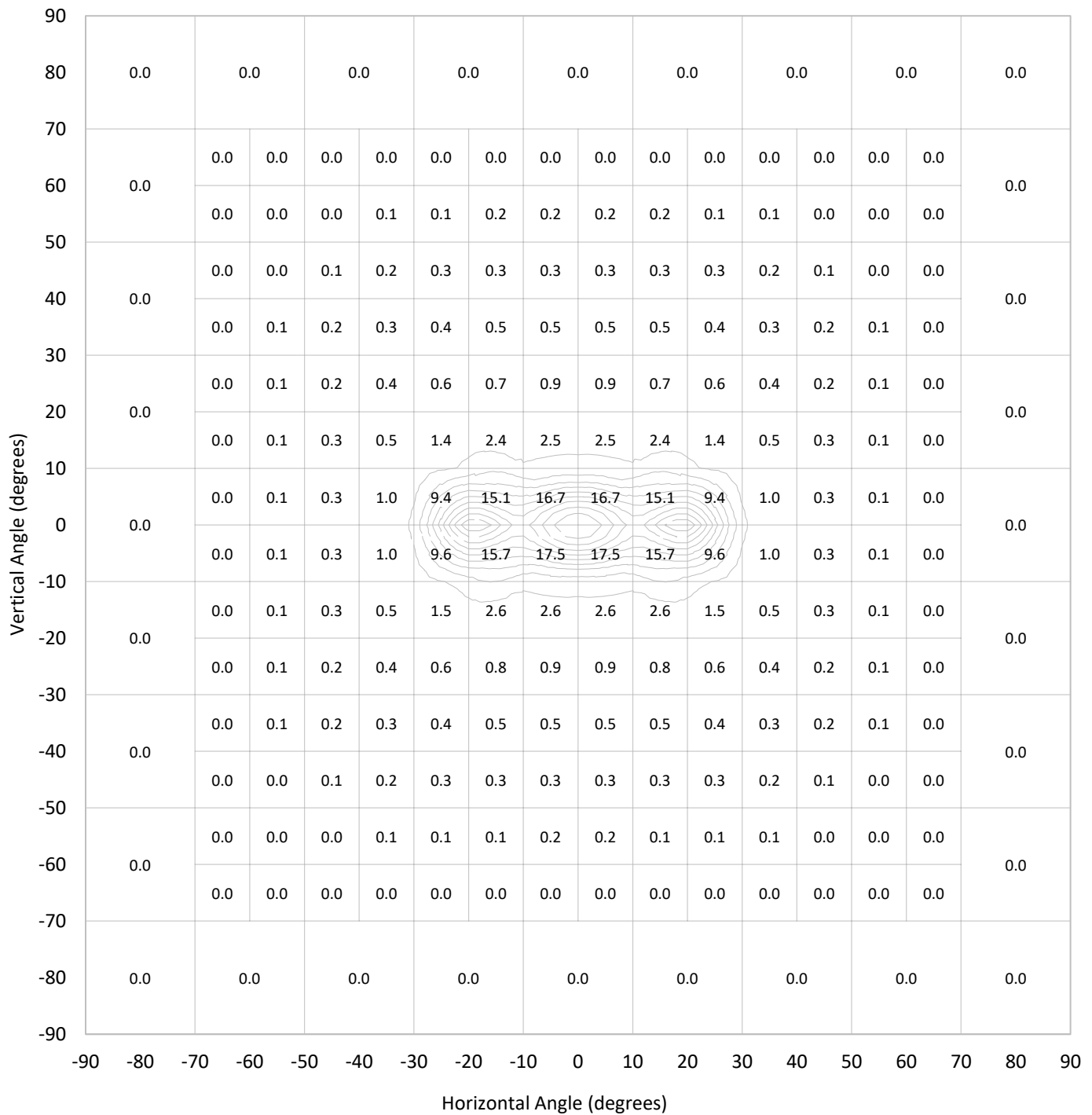
Iso-Candela Plot





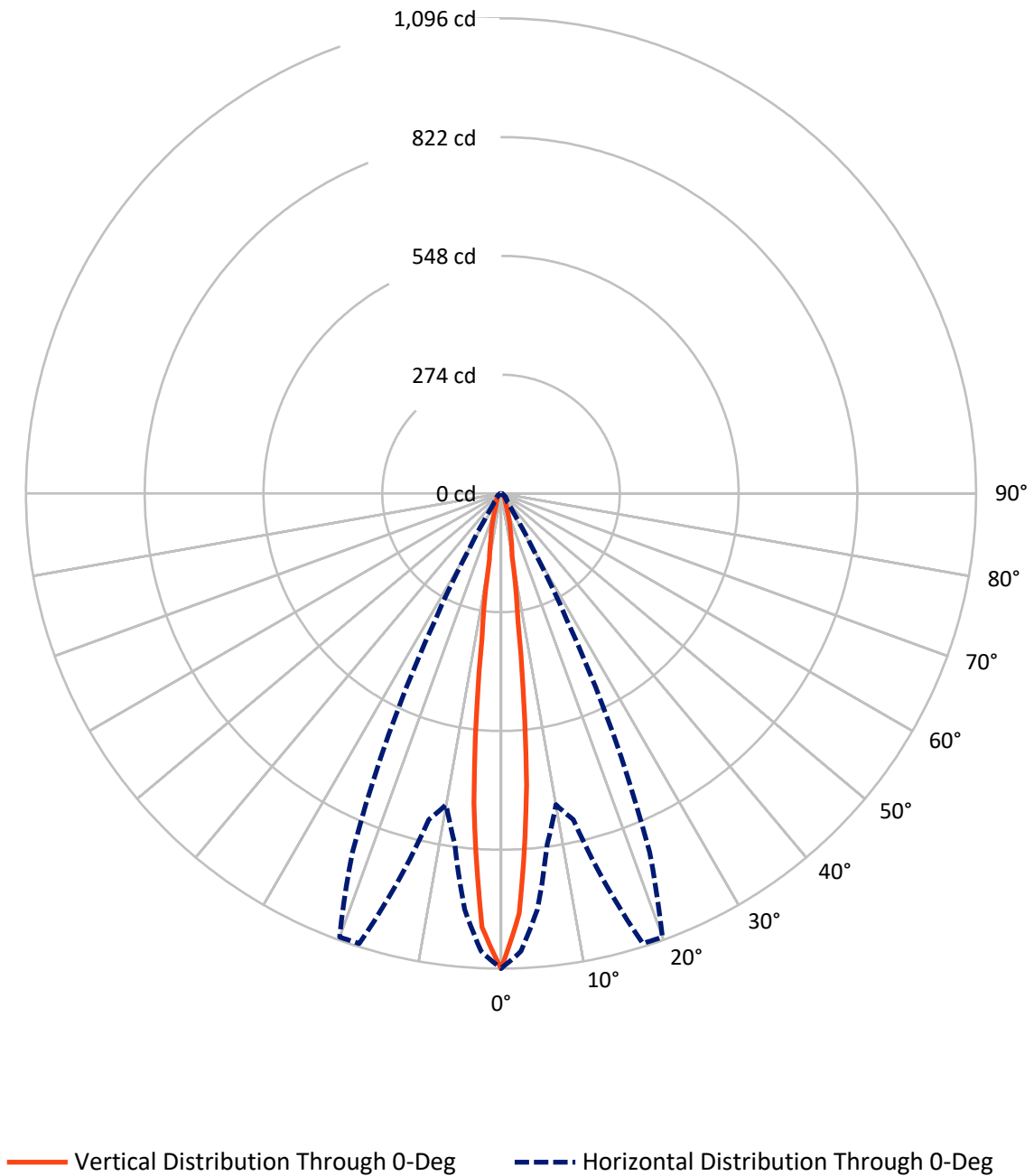
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Lumen Table



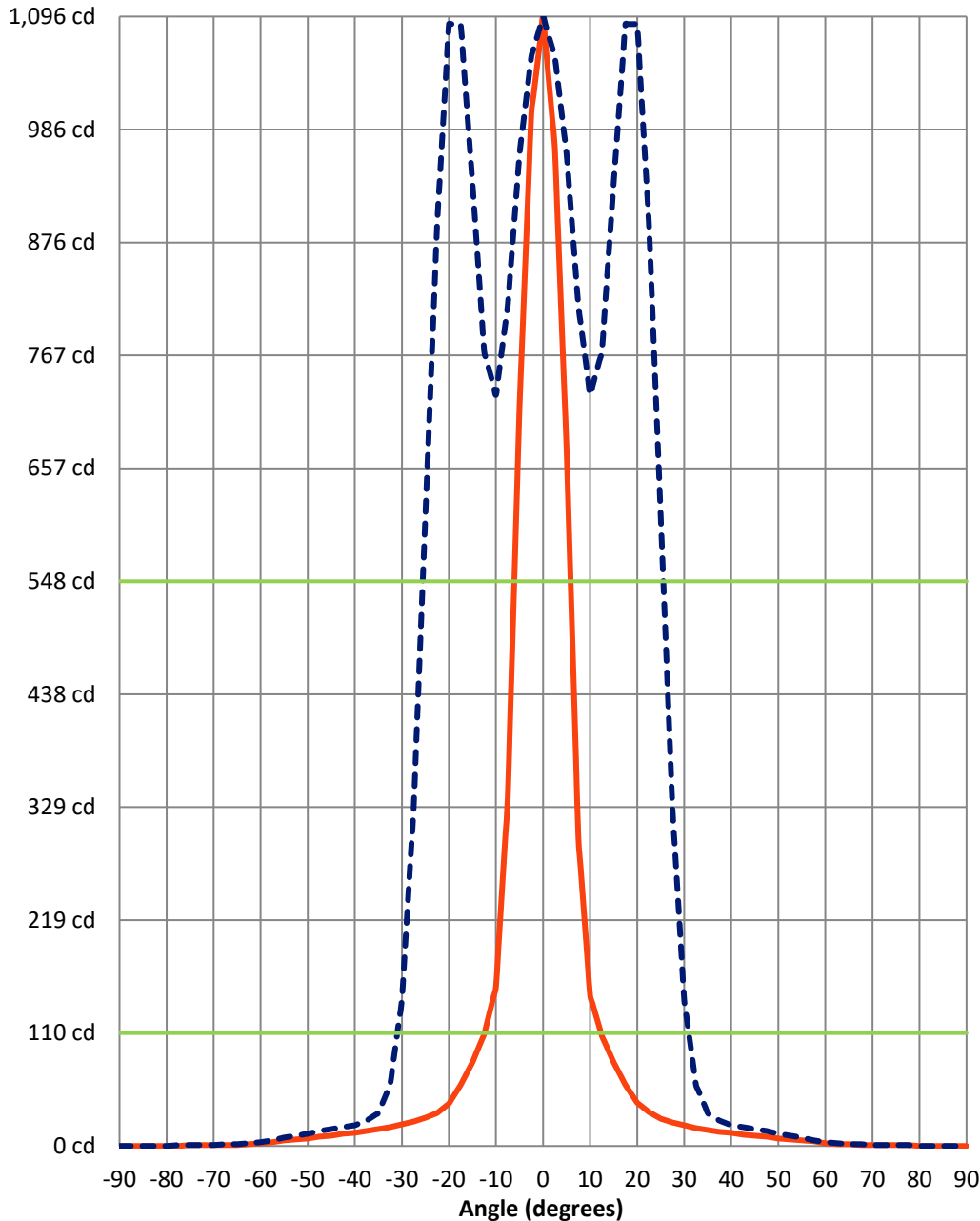
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 51.1°
 V Angle: 12°
 Lumens: 104.1
 Efficiency: 45.2%

Field:
 H Angle: 61.9°
 V Angle: 24.8°
 Lumens: 176
 Efficiency: 76.3%

Spill:
 Lumens: 54.6
 Efficiency: 23.7%

— 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	1
65°	0	0	0	0	0	0	0	0	0	1	1
62.5°	0	0	0	0	0	0	0	0	0	1	1
60°	0	0	0	0	0	0	0	0	1	1	1
57.5°	0	0	0	0	0	0	0	0	1	1	1
55°	0	0	0	0	0	0	0	1	1	1	1
52.5°	0	0	0	0	0	0	0	1	1	1	1
50°	0	0	0	0	0	0	0	1	1	1	1
47.5°	0	0	0	0	0	0	0	1	1	1	1
45°	0	0	0	0	0	0	1	1	1	1	1
42.5°	0	0	0	0	0	0	1	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	1	1	1	1	1	2
25°	0	0	0	0	0	1	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: P247013 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED2710-12-CS-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	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: P247013 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-CS-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	1	1	1
75°	0	0	0	0	1	1	1	1	1	1	1
72.5°	0	0	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	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	2
52.5°	1	1	1	1	2	2	2	2	2	2	3
50°	1	1	1	1	2	2	2	2	3	3	4
47.5°	1	1	1	2	2	2	2	3	4	5	5
45°	1	1	2	2	2	2	3	4	5	6	6
42.5°	1	1	2	2	2	3	4	5	6	6	7
40°	1	2	2	2	3	3	5	6	6	8	9
37.5°	1	2	2	3	3	4	5	6	8	9	10
35°	2	2	2	3	4	5	6	7	9	10	11
32.5°	2	2	3	3	4	6	7	8	10	11	12
30°	2	2	3	4	5	6	8	9	11	11	12
27.5°	2	2	3	4	6	7	9	10	11	12	13
25°	2	3	3	5	6	8	9	11	12	13	14
22.5°	2	3	4	5	7	9	10	11	12	14	15
20°	2	3	4	6	8	9	11	12	13	14	16
17.5°	2	3	4	6	8	10	11	13	14	15	17
15°	2	3	5	7	8	10	12	13	15	16	18
12.5°	2	3	5	7	9	11	12	14	16	17	19
10°	3	3	5	7	9	11	13	15	16	18	20
7.5°	3	4	5	8	10	11	13	15	17	19	22
5°	3	4	5	8	10	12	14	16	17	19	23
2.5°	3	4	5	8	10	12	14	16	18	20	24
0°	3	4	6	8	10	12	15	16	18	20	25
-2.5°	3	4	5	8	10	12	14	16	18	20	24
-5°	3	4	5	8	10	12	14	16	17	19	23
-7.5°	2	4	5	8	10	11	14	15	17	19	22
-10°	2	3	5	7	9	11	13	15	16	18	21
-12.5°	2	3	5	7	9	11	13	14	16	17	20
-15°	2	3	5	7	8	10	12	14	15	16	19
-17.5°	2	3	4	6	8	10	11	13	15	16	17
-20°	2	3	4	6	8	9	11	12	14	15	16



REPORT NUMBER: P247013 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2	2	4	5	7	9	10	12	13	14	15
-25°	2	2	3	5	6	8	9	11	12	14	15
-27.5°	2	2	3	4	6	7	9	10	11	13	14
-30°	2	2	2	4	5	6	8	9	10	12	13
-32.5°	2	2	2	3	4	6	7	8	9	11	12
-35°	2	2	2	2	4	5	6	7	8	10	11
-37.5°	1	2	2	2	3	4	5	6	7	9	10
-40°	1	2	2	2	2	3	4	5	6	7	8
-42.5°	1	1	2	2	2	2	4	4	5	6	7
-45°	1	1	2	2	2	2	3	4	4	5	6
-47.5°	1	1	1	2	2	2	2	3	4	4	5
-50°	1	1	1	1	2	2	2	2	2	3	4
-52.5°	1	1	1	1	1	1	2	2	2	2	3
-55°	1	1	1	1	1	1	1	2	2	2	2
-57.5°	1	1	1	1	1	1	1	1	1	2	2
-60°	1	1	1	1	1	1	1	1	1	1	1
-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	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: P247013 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-CS-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°	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°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	2	2
62.5°	1	1	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	3	3	3	3
57.5°	2	2	2	3	3	4	4	4	4	4	4
55°	2	3	4	4	4	5	5	5	5	6	6
52.5°	4	4	5	5	6	6	6	7	7	7	7
50°	5	5	6	6	7	7	7	8	8	8	8
47.5°	6	6	7	8	8	9	9	9	9	9	9
45°	7	8	9	9	9	10	10	10	10	10	10
42.5°	9	9	10	10	11	11	11	11	11	11	12
40°	10	10	11	12	12	12	12	13	13	13	13
37.5°	11	12	12	12	13	13	13	14	14	14	14
35°	12	12	13	13	14	14	15	15	16	16	16
32.5°	12	13	14	14	15	16	16	17	17	18	18
30°	13	14	15	16	17	17	18	19	19	19	20
27.5°	14	15	16	17	18	19	20	20	21	21	22
25°	15	16	18	19	20	20	22	23	24	25	25
22.5°	16	18	19	21	22	24	25	27	29	30	31
20°	17	19	21	24	26	29	31	33	35	38	40
17.5°	19	21	23	27	32	39	44	43	46	50	53
15°	20	22	27	33	43	54	64	72	64	65	71
12.5°	22	26	33	40	56	74	99	120	120	89	91
10°	24	32	49	76	101	104	147	190	202	178	124
7.5°	26	39	70	130	206	268	294	275	304	297	262
5°	28	46	95	196	337	469	551	548	490	447	455
2.5°	30	53	119	265	478	685	822	819	714	619	614
0°	32	59	141	328	612	895	1088	1088	934	770	728
-2.5°	30	53	120	266	481	692	833	832	729	635	635
-5°	28	46	95	198	343	482	573	575	519	479	487
-7.5°	26	39	70	133	214	284	323	314	337	322	285
-10°	24	32	49	78	108	120	172	218	224	193	134
-12.5°	22	26	33	41	60	84	114	137	133	93	95
-15°	20	22	27	34	45	58	70	79	68	67	73
-17.5°	19	21	24	28	33	41	46	45	47	52	54
-20°	18	19	21	24	27	30	32	33	36	39	40



REPORT NUMBER: P247013 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	17	18	19	21	23	24	25	27	29	30	31
-25°	16	17	18	19	20	21	22	23	25	26	26
-27.5°	15	16	16	17	18	19	20	21	22	22	23
-30°	14	15	15	16	17	18	18	19	19	20	20
-32.5°	13	13	14	15	15	16	17	17	17	18	18
-35°	12	13	13	14	14	15	15	16	16	17	17
-37.5°	11	12	12	13	13	14	14	14	15	15	15
-40°	9	10	11	12	12	12	13	13	13	13	13
-42.5°	8	9	9	10	11	11	11	12	12	12	12
-45°	7	7	8	9	9	9	10	10	10	11	11
-47.5°	5	6	7	7	8	8	8	8	9	9	9
-50°	4	5	5	6	6	7	7	7	7	8	8
-52.5°	3	4	4	5	5	5	6	6	6	6	7
-55°	2	3	3	3	4	4	5	5	5	5	5
-57.5°	2	2	2	2	3	3	3	3	4	4	4
-60°	2	2	2	2	2	2	2	2	2	2	3
-62.5°	1	1	1	2	2	2	2	2	2	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: P247013 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-CS-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°	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°	1	1	1	1	1	1	1	1	1	1	1
65°	2	2	2	2	2	2	2	2	2	1	1
62.5°	2	2	2	2	2	2	2	2	2	2	2
60°	3	3	3	3	3	3	3	3	3	3	3
57.5°	4	5	5	5	5	5	4	4	4	4	4
55°	6	6	6	6	6	6	6	6	6	5	5
52.5°	7	7	7	6	7	7	7	7	7	7	7
50°	8	8	8	7	8	8	8	8	8	8	8
47.5°	9	9	9	9	9	9	9	9	9	9	9
45°	10	10	10	10	10	10	10	10	10	10	10
42.5°	12	11	11	11	11	11	12	12	11	11	11
40°	13	13	13	13	13	13	13	13	13	13	13
37.5°	14	14	14	14	14	14	14	14	14	14	14
35°	16	16	16	16	16	16	16	16	16	16	15
32.5°	18	18	18	17	18	18	18	18	18	17	17
30°	20	20	20	20	20	20	20	20	19	19	19
27.5°	22	23	23	23	23	23	22	22	21	21	20
25°	26	27	27	27	27	27	26	25	25	24	23
22.5°	32	33	33	33	33	33	32	31	30	29	27
20°	41	43	43	42	43	43	41	40	38	35	33
17.5°	55	59	60	59	60	59	55	53	50	46	43
15°	74	78	81	81	81	78	74	71	65	64	72
12.5°	98	102	107	107	107	102	98	91	89	120	120
10°	134	151	150	146	150	151	134	124	178	202	190
7.5°	233	275	304	300	304	275	233	262	297	304	275
5°	475	559	664	676	664	559	475	455	447	490	548
2.5°	701	841	943	969	943	841	701	614	619	714	819
0°	815	962	1057	1096	1057	962	815	728	770	934	1088
-2.5°	728	871	975	1001	975	871	728	635	635	729	832
-5°	512	606	705	717	705	606	512	487	479	519	575
-7.5°	264	307	334	338	334	307	264	285	322	337	314
-10°	147	163	160	154	160	163	147	134	193	224	218
-12.5°	104	106	110	109	110	106	104	95	93	133	137
-15°	77	80	83	81	83	80	77	73	67	68	79
-17.5°	57	60	61	59	61	60	57	54	52	47	45
-20°	41	43	43	41	43	43	41	40	39	36	33



REPORT NUMBER: P247013 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	32	33	33	32	33	33	32	31	30	29	27
-25°	27	27	27	27	27	27	27	26	26	25	23
-27.5°	23	24	24	24	24	24	23	23	22	22	21
-30°	21	21	21	21	21	21	21	20	20	19	19
-32.5°	18	18	18	18	18	18	18	18	18	17	17
-35°	17	17	17	16	17	17	17	17	17	16	16
-37.5°	15	15	15	15	15	15	15	15	15	15	14
-40°	13	13	13	13	13	13	13	13	13	13	13
-42.5°	12	12	12	12	12	12	12	12	12	12	12
-45°	11	10	10	10	10	10	11	11	11	10	10
-47.5°	9	9	9	9	9	9	9	9	9	9	8
-50°	8	7	7	7	7	7	8	8	8	7	7
-52.5°	7	7	7	6	7	7	7	7	6	6	6
-55°	5	5	5	6	5	5	5	5	5	5	5
-57.5°	4	4	4	4	4	4	4	4	4	4	3
-60°	3	3	3	3	3	3	3	3	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	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°	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: P247013 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-CS-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°	1	1	1	1	1	1	1	1	1	1	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	1	1	1	1	1	1
60°	2	2	2	2	2	2	2	2	2	1	1
57.5°	4	4	3	3	2	2	2	2	2	2	2
55°	5	5	4	4	4	3	2	2	2	2	2
52.5°	6	6	6	5	5	4	4	3	2	2	2
50°	7	7	7	6	6	5	5	4	3	3	2
47.5°	9	9	8	8	7	6	6	5	5	4	3
45°	10	10	9	9	9	8	7	6	6	5	4
42.5°	11	11	11	10	10	9	9	7	6	6	5
40°	12	12	12	12	11	10	10	9	8	6	6
37.5°	13	13	13	12	12	12	11	10	9	8	6
35°	15	14	14	13	13	12	12	11	10	9	7
32.5°	16	16	15	14	14	13	12	12	11	10	8
30°	18	17	17	16	15	14	13	12	11	11	9
27.5°	20	19	18	17	16	15	14	13	12	11	10
25°	22	20	20	19	18	16	15	14	13	12	11
22.5°	25	24	22	21	19	18	16	15	14	12	11
20°	31	29	26	24	21	19	17	16	14	13	12
17.5°	44	39	32	27	23	21	19	17	15	14	13
15°	64	54	43	33	27	22	20	18	16	15	13
12.5°	99	74	56	40	33	26	22	19	17	16	14
10°	147	104	101	76	49	32	24	20	18	16	15
7.5°	294	268	206	130	70	39	26	22	19	17	15
5°	551	469	337	196	95	46	28	23	19	17	16
2.5°	822	685	478	265	119	53	30	24	20	18	16
0°	1088	895	612	328	141	59	32	25	20	18	16
-2.5°	833	692	481	266	120	53	30	24	20	18	16
-5°	573	482	343	198	95	46	28	23	19	17	16
-7.5°	323	284	214	133	70	39	26	22	19	17	15
-10°	172	120	108	78	49	32	24	21	18	16	15
-12.5°	114	84	60	41	33	26	22	20	17	16	14
-15°	70	58	45	34	27	22	20	19	16	15	14
-17.5°	46	41	33	28	24	21	19	17	16	15	13
-20°	32	30	27	24	21	19	18	16	15	14	12



REPORT NUMBER: P247013 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	25	24	23	21	19	18	17	15	14	13	12
-25°	22	21	20	19	18	17	16	15	14	12	11
-27.5°	20	19	18	17	16	16	15	14	13	11	10
-30°	18	18	17	16	15	15	14	13	12	10	9
-32.5°	17	16	15	15	14	13	13	12	11	9	8
-35°	15	15	14	14	13	13	12	11	10	8	7
-37.5°	14	14	13	13	12	12	11	10	9	7	6
-40°	13	12	12	12	11	10	9	8	7	6	5
-42.5°	11	11	11	10	9	9	8	7	6	5	4
-45°	10	9	9	9	8	7	7	6	5	4	4
-47.5°	8	8	8	7	7	6	5	5	4	4	3
-50°	7	7	6	6	5	5	4	4	3	2	2
-52.5°	6	5	5	5	4	4	3	3	2	2	2
-55°	5	4	4	3	3	3	2	2	2	2	2
-57.5°	3	3	3	2	2	2	2	2	2	1	1
-60°	2	2	2	2	2	2	2	1	1	1	1
-62.5°	2	2	2	2	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	1	1	1	1
-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: P247013 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-CS-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°	1	1	1	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	0	0	0	0	0	0
70°	1	1	1	1	1	1	1	0	0	0	0
67.5°	1	1	1	1	1	1	1	1	0	0	0
65°	1	1	1	1	1	1	1	1	1	0	0
62.5°	1	1	1	1	1	1	1	1	1	0	0
60°	1	1	1	1	1	1	1	1	1	1	0
57.5°	1	1	1	1	1	1	1	1	1	1	0
55°	2	1	1	1	1	1	1	1	1	1	1
52.5°	2	2	2	1	1	1	1	1	1	1	1
50°	2	2	2	1	1	1	1	1	1	1	1
47.5°	2	2	2	2	1	1	1	1	1	1	1
45°	3	2	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	9	7	5	4	3	2	2	1	1	1
20°	11	9	8	6	4	3	2	2	1	1	1
17.5°	11	10	8	6	4	3	2	2	1	1	1
15°	12	10	8	7	5	3	2	2	2	1	1
12.5°	12	11	9	7	5	3	2	2	2	1	1
10°	13	11	9	7	5	3	3	2	2	1	1
7.5°	13	11	10	8	5	4	3	2	2	1	1
5°	14	12	10	8	5	4	3	2	2	1	1
2.5°	14	12	10	8	5	4	3	2	2	1	1
0°	15	12	10	8	6	4	3	2	2	1	1
-2.5°	14	12	10	8	5	4	3	2	2	1	1
-5°	14	12	10	8	5	4	3	2	2	1	1
-7.5°	14	11	10	8	5	4	2	2	2	1	1
-10°	13	11	9	7	5	3	2	2	2	1	1
-12.5°	13	11	9	7	5	3	2	2	2	1	1
-15°	12	10	8	7	5	3	2	2	2	1	1
-17.5°	11	10	8	6	4	3	2	2	1	1	1
-20°	11	9	8	6	4	3	2	2	1	1	1



REPORT NUMBER: P247013 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	10	9	7	5	4	2	2	2	1	1	1
-25°	9	8	6	5	3	2	2	2	1	1	1
-27.5°	9	7	6	4	3	2	2	2	1	1	1
-30°	8	6	5	4	2	2	2	1	1	1	1
-32.5°	7	6	4	3	2	2	2	1	1	1	1
-35°	6	5	4	2	2	2	2	1	1	1	1
-37.5°	5	4	3	2	2	2	1	1	1	1	1
-40°	4	3	2	2	2	2	1	1	1	1	1
-42.5°	4	2	2	2	2	1	1	1	1	1	1
-45°	3	2	2	2	2	1	1	1	1	1	1
-47.5°	2	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	1	1	1	1	1	1	1	1	1	0
-55°	1	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: P247013 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-CS-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°	1	0	0	0	0	0	0
42.5°	1	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	1	0	0	0	0	0
25°	1	1	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: P247013 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED2710-12-CS-LSL

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)