

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: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246970 (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: 203-8LED3010-12-CS-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD SILVER, 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

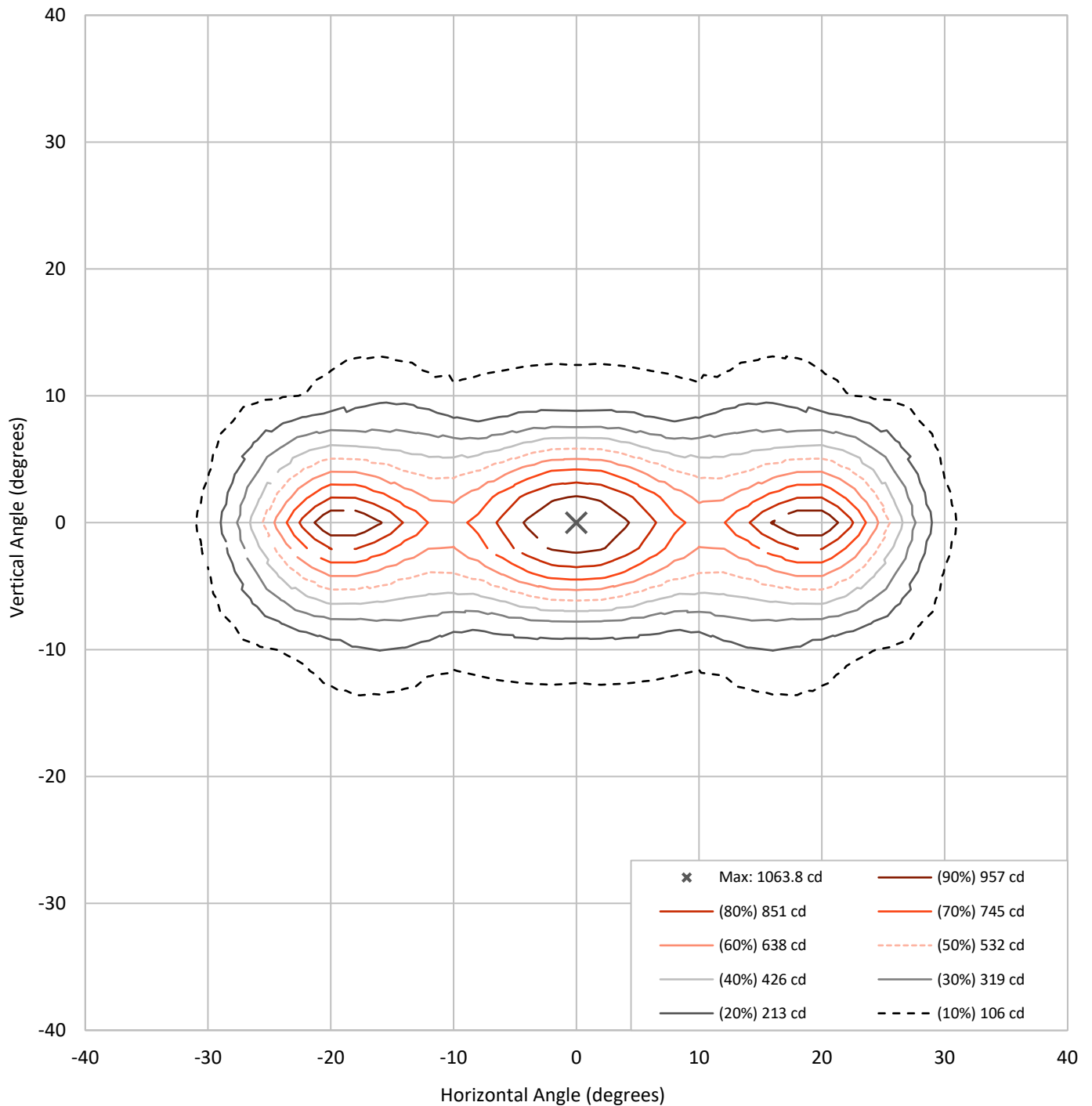
Lumens per Lamp:	N/A	NEMA Type:	4H x 2V
Luminaire Lumens:	224 lumens	Max Intensity:	1063.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	29.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	51.1°H x 12°V	Field Angle (10%):	61.9°H x 24.8°V
Beam Lumens:	101.1 lumens	Field Lumens:	170.9 lumens
Beam Efficiency:	45.1%	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		



REPORT NUMBER: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Iso-Candela Plot



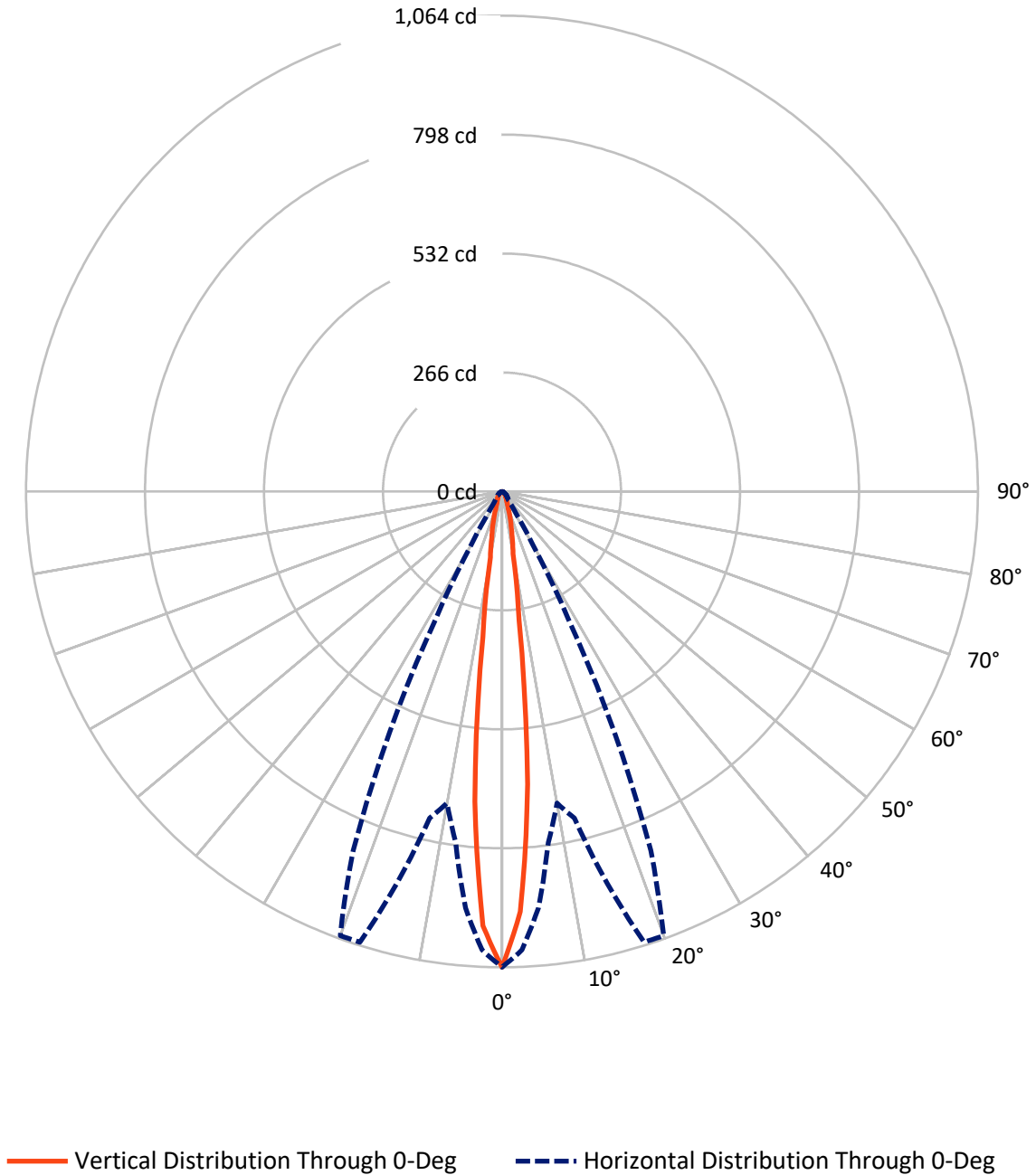
REPORT NUMBER: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-CS-LSL

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	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.0	
40		0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.0		
30	0.0	0.0	0.1	0.2	0.4	0.5	0.7	0.8	0.8	0.7	0.5	0.4	0.2	0.1	0.0	0.0	
20		0.0	0.1	0.3	0.5	1.3	2.3	2.4	2.4	2.3	1.3	0.5	0.3	0.1	0.0		
10	0.0	0.0	0.1	0.3	0.9	9.2	14.6	16.2	16.2	14.6	9.2	0.9	0.3	0.1	0.0	0.0	
0		0.0	0.1	0.3	0.9	9.3	15.2	17.0	17.0	15.2	9.3	0.9	0.3	0.1	0.0		
-10	0.0	0.0	0.1	0.3	0.5	1.4	2.5	2.5	2.5	2.5	1.4	0.5	0.3	0.1	0.0	0.0	
-20		0.0	0.1	0.2	0.4	0.6	0.7	0.8	0.8	0.7	0.6	0.4	0.2	0.1	0.0		
-30	0.0	0.0	0.0	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.0	0.0	0.0	
-40		0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.0		
-50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	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		
-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			
-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	

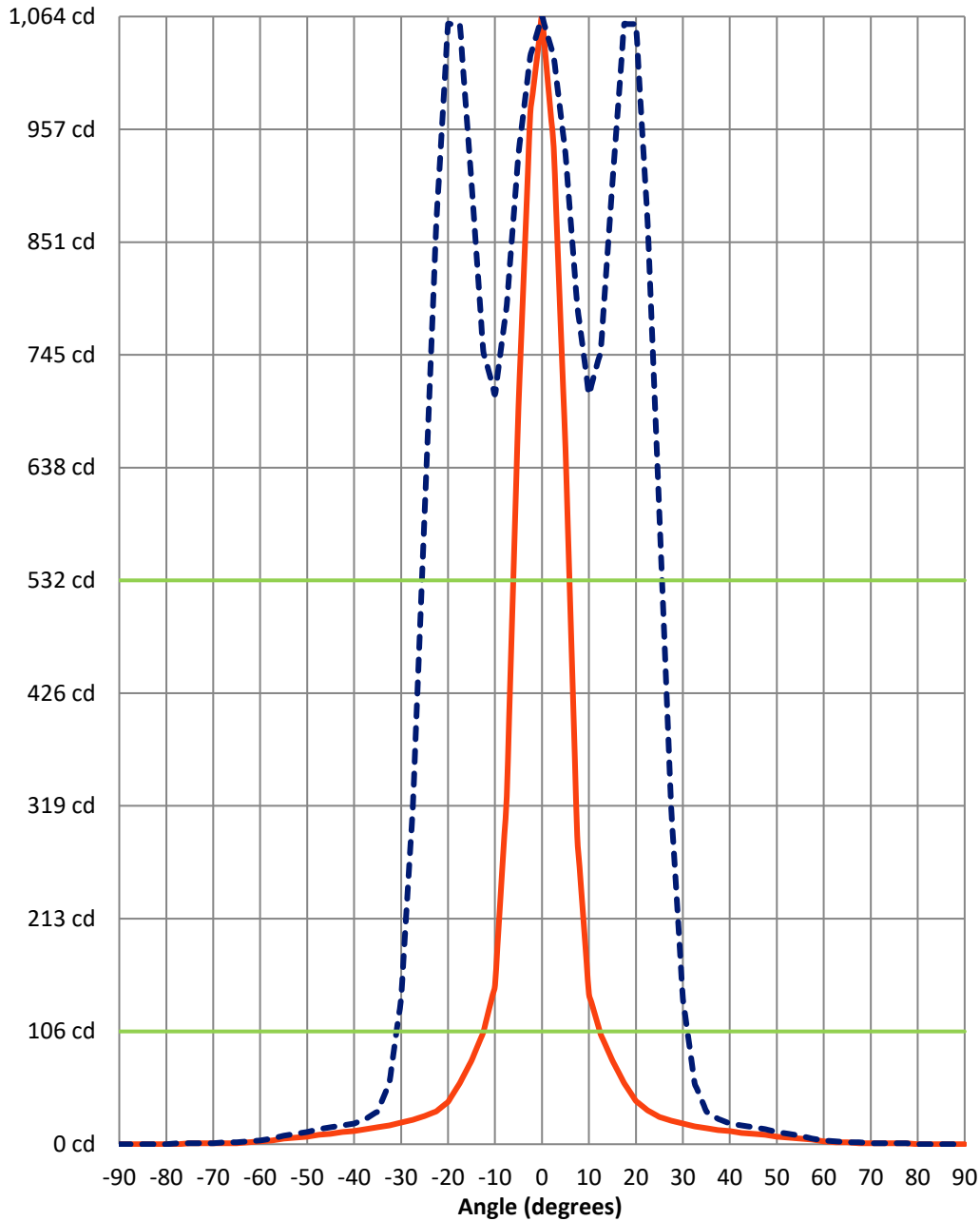
REPORT NUMBER: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED3010-12-CS-LSL

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 51.1°
 V Angle: 12°
 Lumens: 101.1
 Efficiency: 45.1%

Field:
 H Angle: 61.9°
 V Angle: 24.8°
 Lumens: 170.9
 Efficiency: 76.3%

Spill:
 Lumens: 53.1
 Efficiency: 23.7%

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



REPORT NUMBER: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-CS-LSL

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: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED3010-12-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: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-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	2	3	4
47.5°	1	1	1	2	2	2	2	3	3	4	5
45°	1	1	2	2	2	2	3	4	5	5	6
42.5°	1	1	2	2	2	3	3	5	6	6	7
40°	1	2	2	2	3	3	4	5	6	7	9
37.5°	1	2	2	3	3	4	5	6	7	9	10
35°	2	2	2	3	3	5	6	7	9	10	10
32.5°	2	2	3	3	4	6	7	8	9	10	11
30°	2	2	3	3	5	6	8	9	10	11	12
27.5°	2	2	3	4	5	7	8	10	11	12	13
25°	2	3	3	4	6	8	9	10	11	12	14
22.5°	2	3	3	5	7	8	10	11	12	13	15
20°	2	3	4	5	7	9	10	12	13	14	15
17.5°	2	3	4	6	8	9	11	12	14	15	16
15°	2	3	4	6	8	10	11	13	14	16	17
12.5°	2	3	5	7	9	10	12	14	15	17	19
10°	3	3	5	7	9	11	12	14	16	17	20
7.5°	3	3	5	7	9	11	13	15	16	18	21
5°	3	3	5	8	10	11	13	15	17	19	22
2.5°	3	3	5	8	10	11	14	16	17	19	23
0°	3	4	5	8	10	11	14	16	18	19	24
-2.5°	3	3	5	8	10	11	14	16	17	19	23
-5°	3	3	5	8	10	11	14	15	17	19	22
-7.5°	2	3	5	7	9	11	13	15	16	18	21
-10°	2	3	5	7	9	11	13	15	16	18	20
-12.5°	2	3	5	7	9	10	12	14	15	17	19
-15°	2	3	4	6	8	10	12	13	15	16	18
-17.5°	2	3	4	6	8	9	11	13	14	15	17
-20°	2	3	4	5	7	9	10	12	14	15	16



REPORT NUMBER: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-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	3	5	7	8	10	11	13	14	15
-25°	2	2	3	4	6	8	9	10	12	13	14
-27.5°	2	2	3	4	5	7	8	10	11	12	13
-30°	2	2	2	3	5	6	8	9	10	11	12
-32.5°	2	2	2	3	4	5	7	8	9	10	12
-35°	2	2	2	2	3	5	6	7	8	9	10
-37.5°	1	2	2	2	3	4	5	6	7	8	9
-40°	1	2	2	2	2	3	4	5	6	7	8
-42.5°	1	1	2	2	2	2	3	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	3	4	4
-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: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-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	2	3	3	3
57.5°	2	2	2	2	3	3	4	4	4	4	4
55°	2	3	3	4	4	4	5	5	5	5	5
52.5°	3	4	5	5	5	6	6	6	6	6	6
50°	5	5	6	6	7	7	7	7	8	8	8
47.5°	6	6	7	8	8	8	9	9	9	9	9
45°	7	8	9	9	9	10	10	10	10	10	10
42.5°	9	9	9	10	10	11	11	11	11	11	11
40°	9	10	11	11	11	11	12	12	12	12	13
37.5°	10	11	12	12	12	13	13	13	13	14	14
35°	11	12	12	13	13	14	14	15	15	15	16
32.5°	12	13	13	14	15	15	16	16	17	17	17
30°	13	14	14	15	16	17	18	18	19	19	19
27.5°	14	15	16	17	18	18	19	20	21	21	21
25°	15	16	17	18	19	20	21	22	24	24	24
22.5°	16	17	19	20	22	23	24	26	28	29	30
20°	17	19	20	23	26	28	30	32	34	37	39
17.5°	18	20	23	27	32	38	43	42	44	49	51
15°	20	22	26	32	42	52	62	70	62	63	69
12.5°	21	25	32	39	54	72	97	117	117	86	88
10°	23	31	47	74	98	101	143	184	196	172	120
7.5°	25	38	68	126	200	260	285	267	295	288	254
5°	28	45	92	190	327	456	535	532	476	434	442
2.5°	29	52	116	257	464	665	798	795	694	601	596
0°	31	58	137	318	594	869	1057	1057	907	748	707
-2.5°	29	52	116	258	467	672	809	808	708	617	616
-5°	28	45	92	192	333	468	556	558	504	466	473
-7.5°	25	38	68	129	207	276	313	305	327	313	277
-10°	23	31	48	76	105	117	167	212	218	187	130
-12.5°	21	25	32	40	58	81	111	133	129	91	92
-15°	20	22	26	33	44	57	68	77	66	65	71
-17.5°	19	20	23	27	32	40	45	44	46	50	53
-20°	18	19	20	23	26	29	31	32	35	38	39



REPORT NUMBER: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	16	18	19	20	22	24	24	27	29	30	30
-25°	15	16	17	18	19	21	22	23	24	25	25
-27.5°	14	15	16	17	18	18	19	20	21	22	22
-30°	13	14	15	15	16	17	18	18	19	19	20
-32.5°	12	13	14	14	15	16	16	17	17	17	17
-35°	11	12	13	13	14	14	15	15	16	16	16
-37.5°	10	11	12	12	13	13	13	14	14	15	15
-40°	9	10	11	11	12	12	12	12	13	13	13
-42.5°	8	9	9	10	10	11	11	11	12	12	12
-45°	6	7	8	8	9	9	10	10	10	10	10
-47.5°	5	6	7	7	8	8	8	8	8	9	9
-50°	4	5	5	6	6	7	7	7	7	7	7
-52.5°	3	4	4	4	5	5	5	6	6	6	6
-55°	2	3	3	3	4	4	4	5	5	5	5
-57.5°	2	2	2	2	3	3	3	3	3	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: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-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	2
57.5°	4	4	4	4	4	4	4	4	4	4	4
55°	5	5	5	5	5	5	5	5	5	5	5
52.5°	6	6	6	6	6	6	6	6	6	6	6
50°	8	8	7	7	7	8	8	8	8	8	7
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°	11	11	11	11	11	11	11	11	11	11	11
40°	13	13	13	12	13	13	13	13	12	12	12
37.5°	14	14	14	13	14	14	14	14	14	13	13
35°	16	16	15	15	15	16	16	16	15	15	15
32.5°	17	17	17	17	17	17	17	17	17	17	16
30°	19	20	20	20	20	20	19	19	19	19	18
27.5°	22	22	22	22	22	22	22	21	21	21	20
25°	25	26	26	26	26	26	25	24	24	24	22
22.5°	31	32	32	32	32	32	31	30	29	28	26
20°	40	42	42	41	42	42	40	39	37	34	32
17.5°	54	57	58	58	58	57	54	51	49	44	42
15°	72	76	79	79	79	76	72	69	63	62	70
12.5°	95	99	104	104	104	99	95	88	86	117	117
10°	130	147	146	142	146	147	130	120	172	196	184
7.5°	226	267	295	291	295	267	226	254	288	295	267
5°	461	543	645	657	645	543	461	442	434	476	532
2.5°	681	817	915	941	915	817	681	596	601	694	795
0°	792	934	1026	1064	1026	934	792	707	748	907	1057
-2.5°	707	846	947	972	947	846	707	616	617	708	808
-5°	497	588	685	696	685	588	497	473	466	504	558
-7.5°	256	298	324	328	324	298	256	277	313	327	305
-10°	143	158	156	150	156	158	143	130	187	218	212
-12.5°	101	103	107	106	107	103	101	92	91	129	133
-15°	75	78	80	79	80	78	75	71	65	66	77
-17.5°	55	58	59	58	59	58	55	53	50	46	44
-20°	40	42	42	40	42	42	40	39	38	35	32



REPORT NUMBER: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	31	32	32	31	32	32	31	30	30	29	27
-25°	26	26	27	27	27	26	26	25	25	24	23
-27.5°	23	23	23	23	23	23	23	22	22	21	20
-30°	20	20	20	20	20	20	20	20	19	19	18
-32.5°	18	18	18	18	18	18	18	17	17	17	17
-35°	16	16	16	16	16	16	16	16	16	16	15
-37.5°	15	15	14	14	14	15	15	15	15	14	14
-40°	13	13	13	12	13	13	13	13	13	13	12
-42.5°	12	12	12	12	12	12	12	12	12	12	11
-45°	10	10	10	10	10	10	10	10	10	10	10
-47.5°	9	9	9	9	9	9	9	9	9	8	8
-50°	7	7	7	7	7	7	7	7	7	7	7
-52.5°	6	6	6	6	6	6	6	6	6	6	6
-55°	5	5	5	5	5	5	5	5	5	5	5
-57.5°	4	4	4	4	4	4	4	4	4	3	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: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-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	3	3	2	2	2	2	2	2	2	2
55°	5	4	4	4	3	3	2	2	2	2	2
52.5°	6	6	5	5	5	4	3	3	2	2	2
50°	7	7	7	6	6	5	5	4	3	2	2
47.5°	9	8	8	8	7	6	6	5	4	3	3
45°	10	10	9	9	9	8	7	6	5	5	4
42.5°	11	11	10	10	9	9	9	7	6	6	5
40°	12	11	11	11	11	10	9	9	7	6	5
37.5°	13	13	12	12	12	11	10	10	9	7	6
35°	14	14	13	13	12	12	11	10	10	9	7
32.5°	16	15	15	14	13	13	12	11	10	9	8
30°	18	17	16	15	14	14	13	12	11	10	9
27.5°	19	18	18	17	16	15	14	13	12	11	10
25°	21	20	19	18	17	16	15	14	12	11	10
22.5°	24	23	22	20	19	17	16	15	13	12	11
20°	30	28	26	23	20	19	17	15	14	13	12
17.5°	43	38	32	27	23	20	18	16	15	14	12
15°	62	52	42	32	26	22	20	17	16	14	13
12.5°	97	72	54	39	32	25	21	19	17	15	14
10°	143	101	98	74	47	31	23	20	17	16	14
7.5°	285	260	200	126	68	38	25	21	18	16	15
5°	535	456	327	190	92	45	28	22	19	17	15
2.5°	798	665	464	257	116	52	29	23	19	17	16
0°	1057	869	594	318	137	58	31	24	19	18	16
-2.5°	809	672	467	258	116	52	29	23	19	17	16
-5°	556	468	333	192	92	45	28	22	19	17	15
-7.5°	313	276	207	129	68	38	25	21	18	16	15
-10°	167	117	105	76	48	31	23	20	18	16	15
-12.5°	111	81	58	40	32	25	21	19	17	15	14
-15°	68	57	44	33	26	22	20	18	16	15	13
-17.5°	45	40	32	27	23	20	19	17	15	14	13
-20°	31	29	26	23	20	19	18	16	15	14	12



REPORT NUMBER: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	24	24	22	20	19	18	16	15	14	13	11
-25°	22	21	19	18	17	16	15	14	13	12	10
-27.5°	19	18	18	17	16	15	14	13	12	11	10
-30°	18	17	16	15	15	14	13	12	11	10	9
-32.5°	16	16	15	14	14	13	12	12	10	9	8
-35°	15	14	14	13	13	12	11	10	9	8	7
-37.5°	13	13	13	12	12	11	10	9	8	7	6
-40°	12	12	12	11	11	10	9	8	7	6	5
-42.5°	11	11	10	10	9	9	8	7	6	5	4
-45°	10	9	9	8	8	7	6	6	5	4	4
-47.5°	8	8	8	7	7	6	5	4	4	3	3
-50°	7	7	6	6	5	5	4	4	3	2	2
-52.5°	5	5	5	4	4	4	3	3	2	2	2
-55°	4	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: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-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°	3	3	2	2	2	1	1	1	1	1	1
40°	4	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	3	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	3	3	2	2	1	1	1	1
27.5°	8	7	5	4	3	2	2	2	1	1	1
25°	9	8	6	4	3	3	2	2	1	1	1
22.5°	10	8	7	5	3	3	2	2	1	1	1
20°	10	9	7	5	4	3	2	2	1	1	1
17.5°	11	9	8	6	4	3	2	2	1	1	1
15°	11	10	8	6	4	3	2	2	2	1	1
12.5°	12	10	9	7	5	3	2	2	2	1	1
10°	12	11	9	7	5	3	3	2	2	1	1
7.5°	13	11	9	7	5	3	3	2	2	1	1
5°	13	11	10	8	5	3	3	2	2	1	1
2.5°	14	11	10	8	5	3	3	2	2	1	1
0°	14	11	10	8	5	4	3	2	2	1	1
-2.5°	14	11	10	8	5	3	3	2	2	1	1
-5°	14	11	10	8	5	3	3	2	2	1	1
-7.5°	13	11	9	7	5	3	2	2	2	1	1
-10°	13	11	9	7	5	3	2	2	2	1	1
-12.5°	12	10	9	7	5	3	2	2	2	1	1
-15°	12	10	8	6	4	3	2	2	2	1	1
-17.5°	11	9	8	6	4	3	2	2	1	1	1
-20°	10	9	7	5	4	3	2	2	1	1	1



REPORT NUMBER: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED3010-12-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	8	7	5	3	2	2	2	1	1	1
-25°	9	8	6	4	3	2	2	2	1	1	1
-27.5°	8	7	5	4	3	2	2	2	1	1	1
-30°	8	6	5	3	2	2	2	1	1	1	1
-32.5°	7	5	4	3	2	2	2	1	1	1	1
-35°	6	5	3	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°	3	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: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-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: P246970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-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)