

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: P246969 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246969 (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: 203-8LED3010-12-CS-DIFF  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC,  
REGRESSED HOOD SILVER, DIFFUSED LENS  
Light Source: (1) SORAA 3000K 95 CRI 10° NSP LED  
SM16-07-10D-930-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

**Summary**

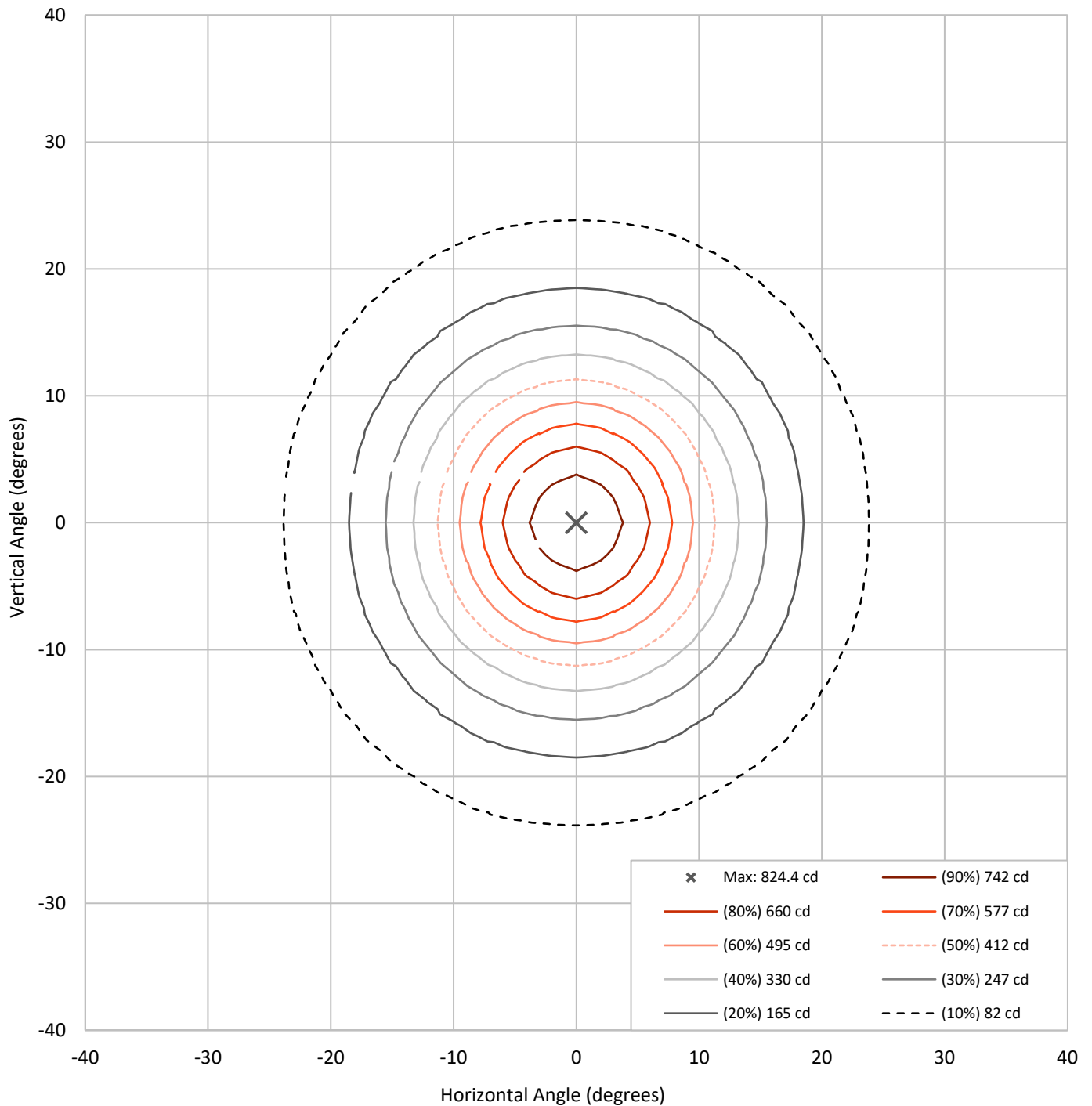
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	206.1 lumens	Max Intensity:	824.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	27.5 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	22.6°H x 22.6°V	Field Angle (10%):	47.7°H x 47.7°V
Beam Lumens:	66.9 lumens	Field Lumens:	148.1 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		



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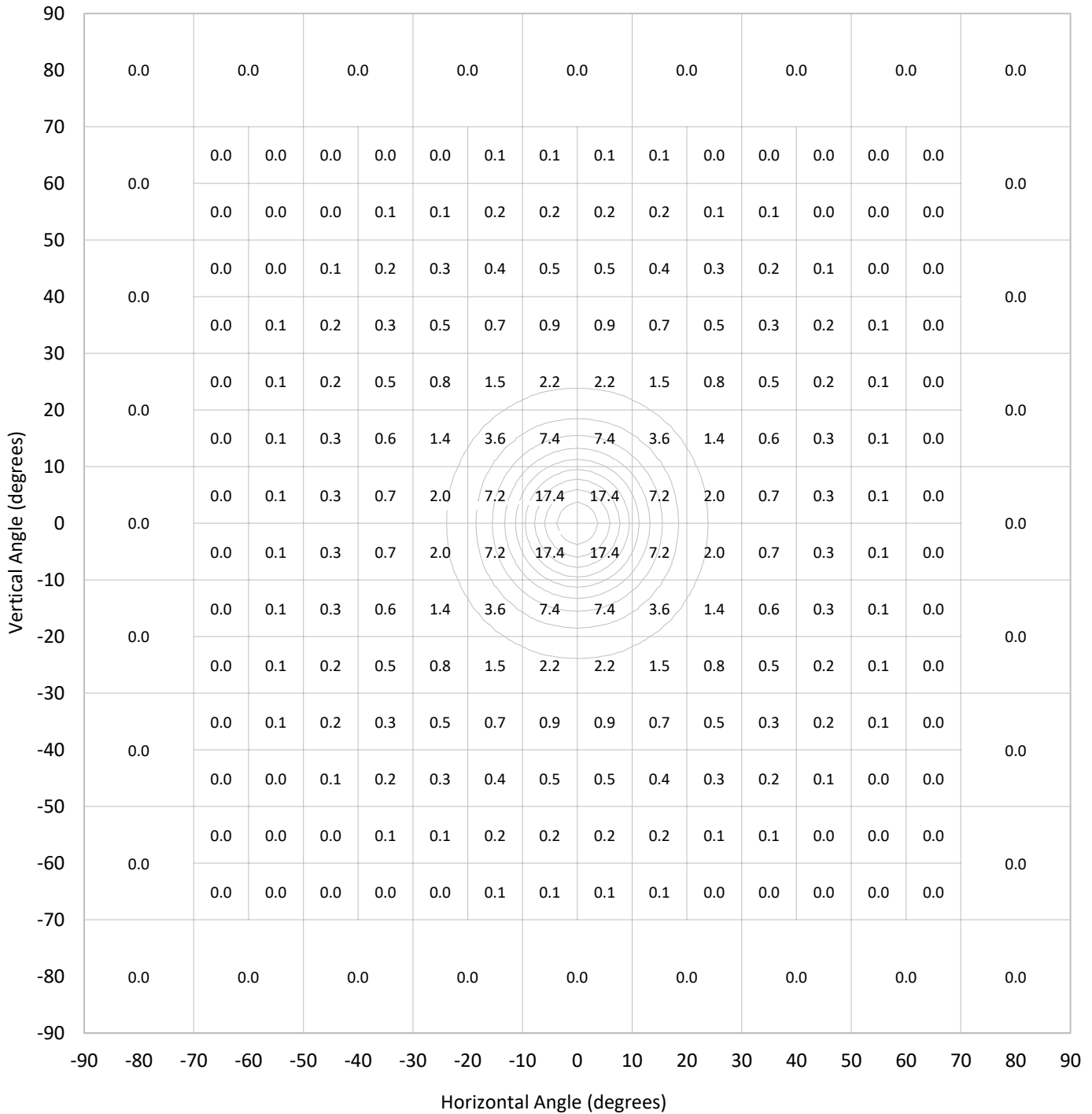
CATALOG NUMBER: 203-8LED3010-12-CS-DIFF

### Iso-Candela Plot



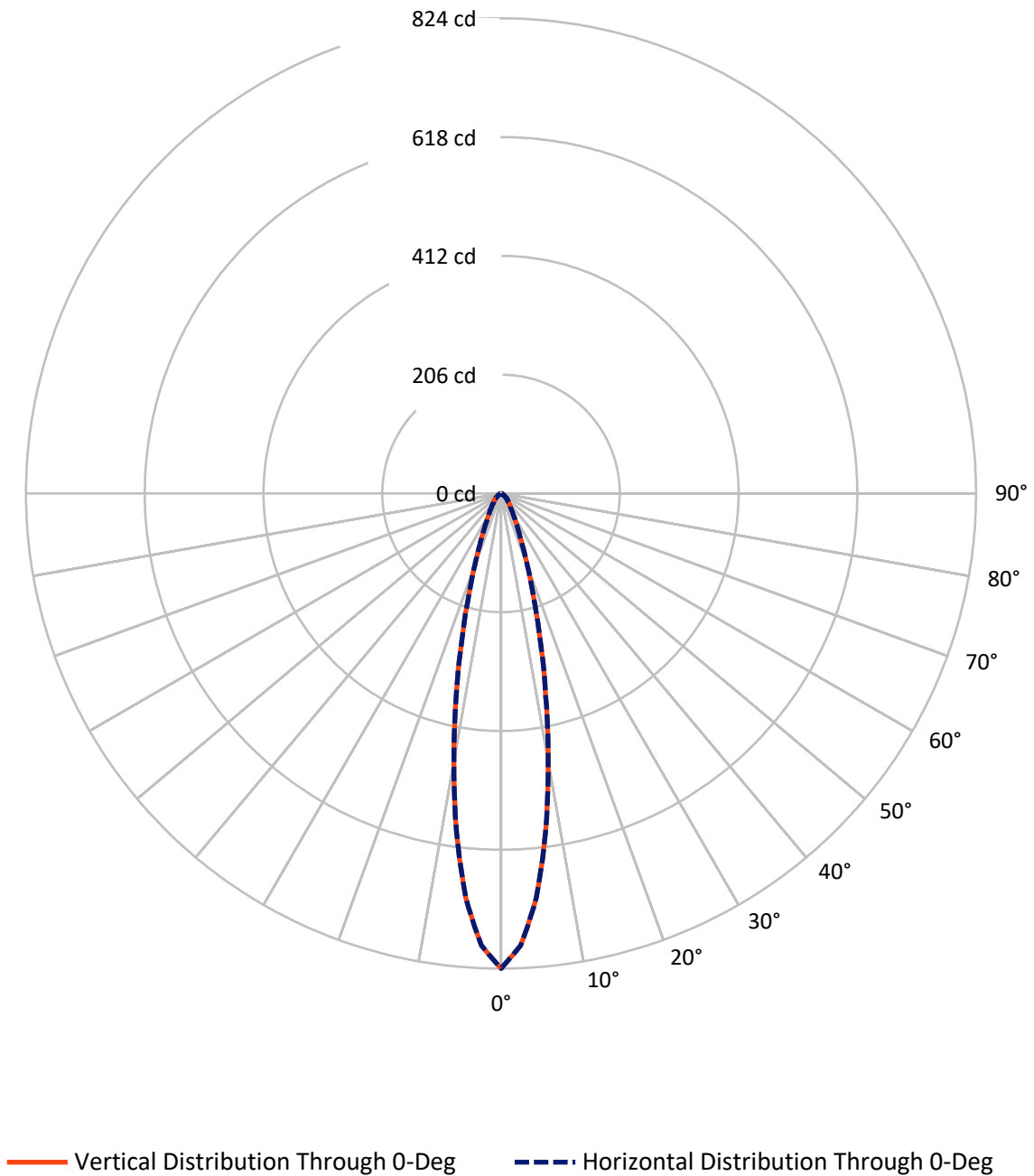
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### Lumen Table



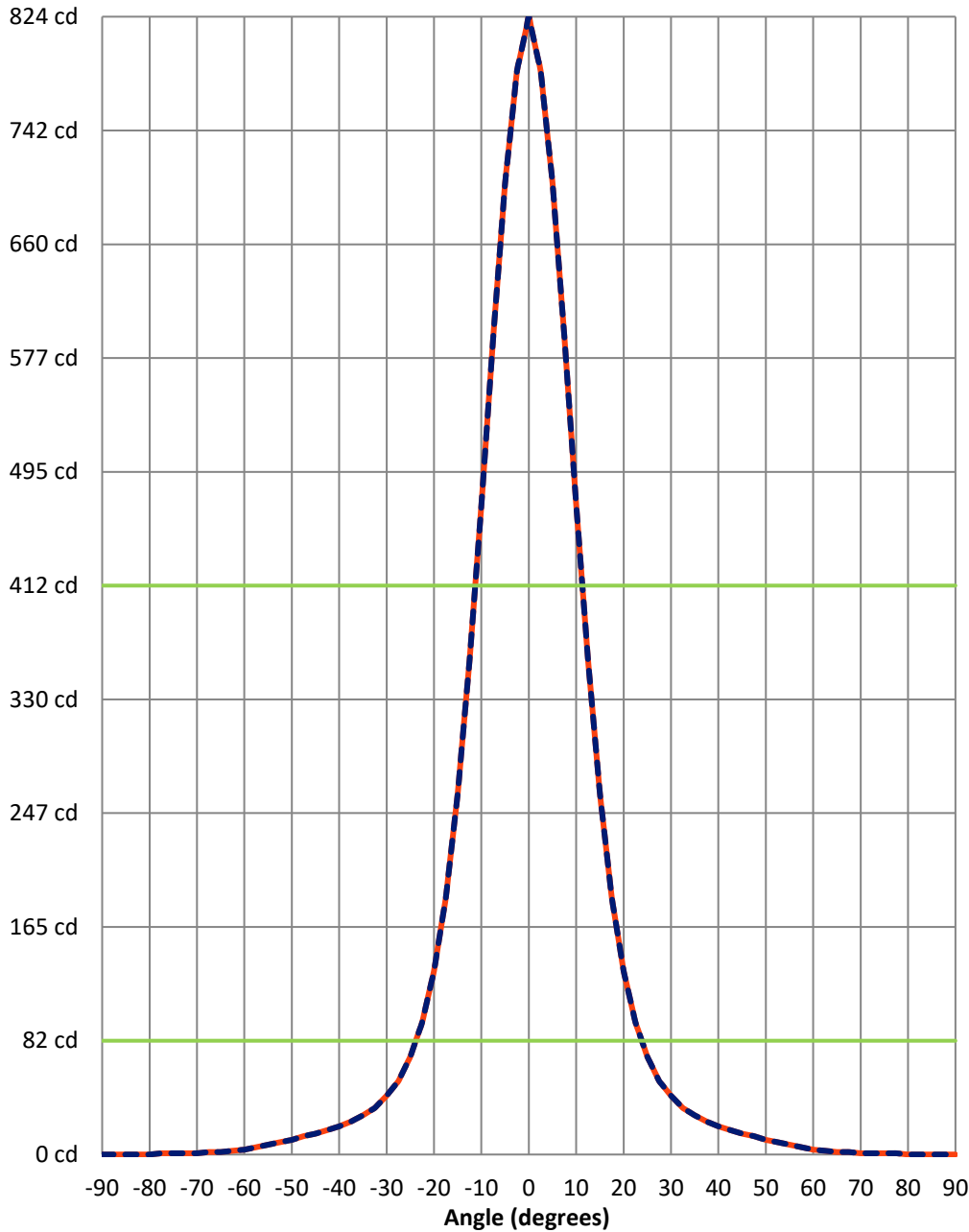
REPORT NUMBER: P246969 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 22.6°  
 V Angle: 22.6°  
 Lumens: 66.9  
 Efficiency: 32.5%

**Field:**  
 H Angle: 47.7°  
 V Angle: 47.7°  
 Lumens: 148.1  
 Efficiency: 71.9%

**Spill:**  
 Lumens: 57.9  
 Efficiency: 28.1%

— 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	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: P246969 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-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: P246969 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-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	3	4	5
45°	1	1	2	2	2	3	3	4	5	6	6
42.5°	1	1	2	2	2	3	3	5	6	7	8
40°	1	2	2	2	3	3	4	6	7	8	9
37.5°	1	2	2	3	3	4	5	6	8	9	10
35°	2	2	2	3	3	5	6	7	9	10	11
32.5°	2	2	3	3	4	6	7	8	10	11	13
30°	2	2	3	3	5	6	8	9	10	12	14
27.5°	2	2	3	4	5	7	8	10	12	14	15
25°	2	3	3	4	6	8	9	11	13	14	16
22.5°	2	3	3	5	7	8	10	11	14	15	17
20°	2	3	4	5	7	9	10	12	14	16	18
17.5°	2	3	4	6	7	9	11	13	15	17	20
15°	2	3	4	6	8	9	11	14	16	18	20
12.5°	2	3	5	6	8	10	12	14	16	19	21
10°	3	3	5	7	8	10	12	14	17	19	22
7.5°	3	3	5	7	9	10	13	15	17	20	23
5°	3	3	5	7	9	10	13	15	17	20	24
2.5°	3	3	5	7	9	11	13	15	18	20	24
0°	3	4	5	7	9	11	13	15	18	20	24
-2.5°	3	3	5	7	9	11	13	15	18	20	24
-5°	3	3	5	7	9	10	13	15	17	20	24
-7.5°	3	3	5	7	9	10	13	15	17	20	23
-10°	3	3	5	7	8	10	12	14	17	19	22
-12.5°	2	3	5	6	8	10	12	14	16	19	21
-15°	2	3	4	6	8	9	11	14	16	18	20
-17.5°	2	3	4	6	7	9	11	13	15	17	20
-20°	2	3	4	5	7	9	10	12	14	16	18



REPORT NUMBER: P246969 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-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	3	5	7	8	10	11	14	15	17
-25°	2	3	3	4	6	8	9	11	13	14	16
-27.5°	2	2	3	4	5	7	8	10	12	14	15
-30°	2	2	3	3	5	6	8	9	10	12	14
-32.5°	2	2	3	3	4	6	7	8	10	11	13
-35°	2	2	2	3	3	5	6	7	9	10	11
-37.5°	1	2	2	3	3	4	5	6	8	9	10
-40°	1	2	2	2	3	3	4	6	7	8	9
-42.5°	1	1	2	2	2	3	3	5	6	7	8
-45°	1	1	2	2	2	3	3	4	5	6	6
-47.5°	1	1	1	2	2	2	3	3	3	4	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: P246969 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-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	3	4	4	4	5	5
55°	3	3	3	4	4	5	5	6	6	6	7
52.5°	3	4	5	5	6	7	7	7	8	8	8
50°	5	6	6	7	8	8	9	9	9	10	10
47.5°	6	7	8	8	9	10	10	11	11	12	12
45°	7	8	9	10	11	11	12	13	14	14	14
42.5°	9	10	10	12	13	14	14	15	16	16	17
40°	10	11	12	14	14	15	16	17	18	19	19
37.5°	11	13	14	15	16	17	18	20	20	21	22
35°	13	14	15	17	18	20	21	22	24	25	26
32.5°	14	15	17	19	20	22	24	26	28	29	31
30°	15	17	19	21	23	25	27	30	32	35	37
27.5°	17	19	21	23	26	28	31	35	39	43	46
25°	18	20	23	26	29	32	37	42	47	52	58
22.5°	20	22	25	28	32	38	44	50	58	67	76
20°	21	24	27	31	37	44	51	61	73	86	99
17.5°	22	26	30	35	42	50	61	75	92	112	132
15°	24	28	32	39	47	58	73	92	117	145	176
12.5°	25	29	35	43	52	67	86	112	145	184	233
10°	26	31	37	46	58	76	99	132	176	233	296
7.5°	27	32	40	49	64	84	114	154	209	279	359
5°	28	33	41	51	68	91	124	172	238	321	418
2.5°	28	34	42	53	70	94	131	183	255	349	457
0°	28	34	43	53	71	96	133	186	262	358	471
-2.5°	28	34	42	53	70	94	131	183	255	349	457
-5°	28	33	41	51	68	91	124	172	238	321	418
-7.5°	27	32	40	49	64	84	114	154	209	279	359
-10°	26	31	37	46	58	76	99	132	176	233	296
-12.5°	25	29	35	43	52	67	86	112	145	184	233
-15°	24	28	32	39	47	58	73	92	117	145	176
-17.5°	22	26	30	35	42	50	61	75	92	112	132
-20°	21	24	27	31	37	44	51	61	73	86	99



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

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	20	22	25	28	32	38	44	50	58	67	76
-25°	18	20	23	26	29	32	37	42	47	52	58
-27.5°	17	19	21	23	26	28	31	35	39	43	46
-30°	15	17	19	21	23	25	27	30	32	35	37
-32.5°	14	15	17	19	20	22	24	26	28	29	31
-35°	13	14	15	17	18	20	21	22	24	25	26
-37.5°	11	13	14	15	16	17	18	20	20	21	22
-40°	10	11	12	14	14	15	16	17	18	19	19
-42.5°	9	10	10	12	13	14	14	15	16	16	17
-45°	7	8	9	10	11	11	12	13	14	14	14
-47.5°	6	7	8	8	9	10	10	11	11	12	12
-50°	5	6	6	7	8	8	9	9	9	10	10
-52.5°	3	4	5	5	6	7	7	7	8	8	8
-55°	3	3	3	4	4	5	5	6	6	6	7
-57.5°	2	3	3	3	3	3	4	4	4	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: P246969 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-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°	3	3	3	4	3	3	3	3	3	3	3
57.5°	5	5	5	5	5	5	5	5	5	4	4
55°	7	7	7	7	7	7	7	7	6	6	6
52.5°	9	9	9	9	9	9	9	8	8	8	7
50°	10	10	11	11	11	10	10	10	10	9	9
47.5°	13	13	13	13	13	13	13	12	12	11	11
45°	15	15	15	15	15	15	15	14	14	14	13
42.5°	17	17	18	18	18	17	17	17	16	16	15
40°	20	20	20	20	20	20	20	19	19	18	17
37.5°	23	24	24	24	24	24	23	22	21	20	20
35°	27	28	28	28	28	28	27	26	25	24	22
32.5°	32	33	34	34	34	33	32	31	29	28	26
30°	40	41	42	43	42	41	40	37	35	32	30
27.5°	49	51	53	53	53	51	49	46	43	39	35
25°	64	68	70	71	70	68	64	58	52	47	42
22.5°	84	91	94	96	94	91	84	76	67	58	50
20°	114	124	131	133	131	124	114	99	86	73	61
17.5°	154	172	183	186	183	172	154	132	112	92	75
15°	209	238	255	262	255	238	209	176	145	117	92
12.5°	279	321	349	358	349	321	279	233	184	145	112
10°	359	418	457	471	457	418	359	296	233	176	132
7.5°	444	518	573	593	573	518	444	359	279	209	154
5°	518	614	680	704	680	614	518	418	321	238	172
2.5°	573	680	756	785	756	680	573	457	349	255	183
0°	593	704	785	824	785	704	593	471	358	262	186
-2.5°	573	680	756	785	756	680	573	457	349	255	183
-5°	518	614	680	704	680	614	518	418	321	238	172
-7.5°	444	518	573	593	573	518	444	359	279	209	154
-10°	359	418	457	471	457	418	359	296	233	176	132
-12.5°	279	321	349	358	349	321	279	233	184	145	112
-15°	209	238	255	262	255	238	209	176	145	117	92
-17.5°	154	172	183	186	183	172	154	132	112	92	75
-20°	114	124	131	133	131	124	114	99	86	73	61



REPORT NUMBER: P246969 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	84	91	94	96	94	91	84	76	67	58	50
-25°	64	68	70	71	70	68	64	58	52	47	42
-27.5°	49	51	53	53	53	51	49	46	43	39	35
-30°	40	41	42	43	42	41	40	37	35	32	30
-32.5°	32	33	34	34	34	33	32	31	29	28	26
-35°	27	28	28	28	28	28	27	26	25	24	22
-37.5°	23	24	24	24	24	24	23	22	21	20	20
-40°	20	20	20	20	20	20	20	19	19	18	17
-42.5°	17	17	18	18	18	17	17	17	16	16	15
-45°	15	15	15	15	15	15	15	14	14	14	13
-47.5°	13	13	13	13	13	13	13	12	12	11	11
-50°	10	10	11	11	11	10	10	10	10	9	9
-52.5°	9	9	9	9	9	9	9	8	8	8	7
-55°	7	7	7	7	7	7	7	7	6	6	6
-57.5°	5	5	5	5	5	5	5	5	5	4	4
-60°	3	3	3	4	3	3	3	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: P246969 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-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	3	3	3	3	3	2	2	2	2	2
55°	5	5	4	4	3	3	3	3	2	2	2
52.5°	7	7	6	5	5	4	3	3	3	2	2
50°	9	8	8	7	6	6	5	4	3	3	3
47.5°	10	10	9	8	8	7	6	5	4	3	3
45°	12	11	11	10	9	8	7	6	6	5	4
42.5°	14	14	13	12	10	10	9	8	7	6	5
40°	16	15	14	14	12	11	10	9	8	7	6
37.5°	18	17	16	15	14	13	11	10	9	8	6
35°	21	20	18	17	15	14	13	11	10	9	7
32.5°	24	22	20	19	17	15	14	13	11	10	8
30°	27	25	23	21	19	17	15	14	12	10	9
27.5°	31	28	26	23	21	19	17	15	14	12	10
25°	37	32	29	26	23	20	18	16	14	13	11
22.5°	44	38	32	28	25	22	20	17	15	14	11
20°	51	44	37	31	27	24	21	18	16	14	12
17.5°	61	50	42	35	30	26	22	20	17	15	13
15°	73	58	47	39	32	28	24	20	18	16	14
12.5°	86	67	52	43	35	29	25	21	19	16	14
10°	99	76	58	46	37	31	26	22	19	17	14
7.5°	114	84	64	49	40	32	27	23	20	17	15
5°	124	91	68	51	41	33	28	24	20	17	15
2.5°	131	94	70	53	42	34	28	24	20	18	15
0°	133	96	71	53	43	34	28	24	20	18	15
-2.5°	131	94	70	53	42	34	28	24	20	18	15
-5°	124	91	68	51	41	33	28	24	20	17	15
-7.5°	114	84	64	49	40	32	27	23	20	17	15
-10°	99	76	58	46	37	31	26	22	19	17	14
-12.5°	86	67	52	43	35	29	25	21	19	16	14
-15°	73	58	47	39	32	28	24	20	18	16	14
-17.5°	61	50	42	35	30	26	22	20	17	15	13
-20°	51	44	37	31	27	24	21	18	16	14	12



REPORT NUMBER: P246969 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	44	38	32	28	25	22	20	17	15	14	11
-25°	37	32	29	26	23	20	18	16	14	13	11
-27.5°	31	28	26	23	21	19	17	15	14	12	10
-30°	27	25	23	21	19	17	15	14	12	10	9
-32.5°	24	22	20	19	17	15	14	13	11	10	8
-35°	21	20	18	17	15	14	13	11	10	9	7
-37.5°	18	17	16	15	14	13	11	10	9	8	6
-40°	16	15	14	14	12	11	10	9	8	7	6
-42.5°	14	14	13	12	10	10	9	8	7	6	5
-45°	12	11	11	10	9	8	7	6	6	5	4
-47.5°	10	10	9	8	8	7	6	5	4	3	3
-50°	9	8	8	7	6	6	5	4	3	3	3
-52.5°	7	7	6	5	5	4	3	3	3	2	2
-55°	5	5	4	4	3	3	3	3	2	2	2
-57.5°	4	3	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: P246969 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-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°	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	7	6	4	3	2	2	1	1	1
15°	11	9	8	6	4	3	2	2	2	1	1
12.5°	12	10	8	6	5	3	2	2	2	1	1
10°	12	10	8	7	5	3	3	2	2	1	1
7.5°	13	10	9	7	5	3	3	2	2	1	1
5°	13	10	9	7	5	3	3	2	2	1	1
2.5°	13	11	9	7	5	3	3	2	2	1	1
0°	13	11	9	7	5	4	3	2	2	1	1
-2.5°	13	11	9	7	5	3	3	2	2	1	1
-5°	13	10	9	7	5	3	3	2	2	1	1
-7.5°	13	10	9	7	5	3	3	2	2	1	1
-10°	12	10	8	7	5	3	3	2	2	1	1
-12.5°	12	10	8	6	5	3	2	2	2	1	1
-15°	11	9	8	6	4	3	2	2	2	1	1
-17.5°	11	9	7	6	4	3	2	2	1	1	1
-20°	10	9	7	5	4	3	2	2	1	1	1



REPORT NUMBER: P246969 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-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	3	3	2	2	1	1	1
-25°	9	8	6	4	3	3	2	2	1	1	1
-27.5°	8	7	5	4	3	2	2	2	1	1	1
-30°	8	6	5	3	3	2	2	1	1	1	1
-32.5°	7	6	4	3	3	2	2	1	1	1	1
-35°	6	5	3	3	2	2	2	1	1	1	1
-37.5°	5	4	3	3	2	2	1	1	1	1	1
-40°	4	3	3	2	2	2	1	1	1	1	1
-42.5°	3	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: P246969 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-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: P246969 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED3010-12-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)