

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: P247027 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED2736-12-BK-DIFF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247027 (CONVERTED FROM TYPE C PHOTOMETRY)  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-32)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-8LED2736-12-BK-DIFF  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD BLACK, DIFFUSED LENS  
Light Source: (1) SORAA 2700K 95 CRI LED  
SM16-07-36D-927-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

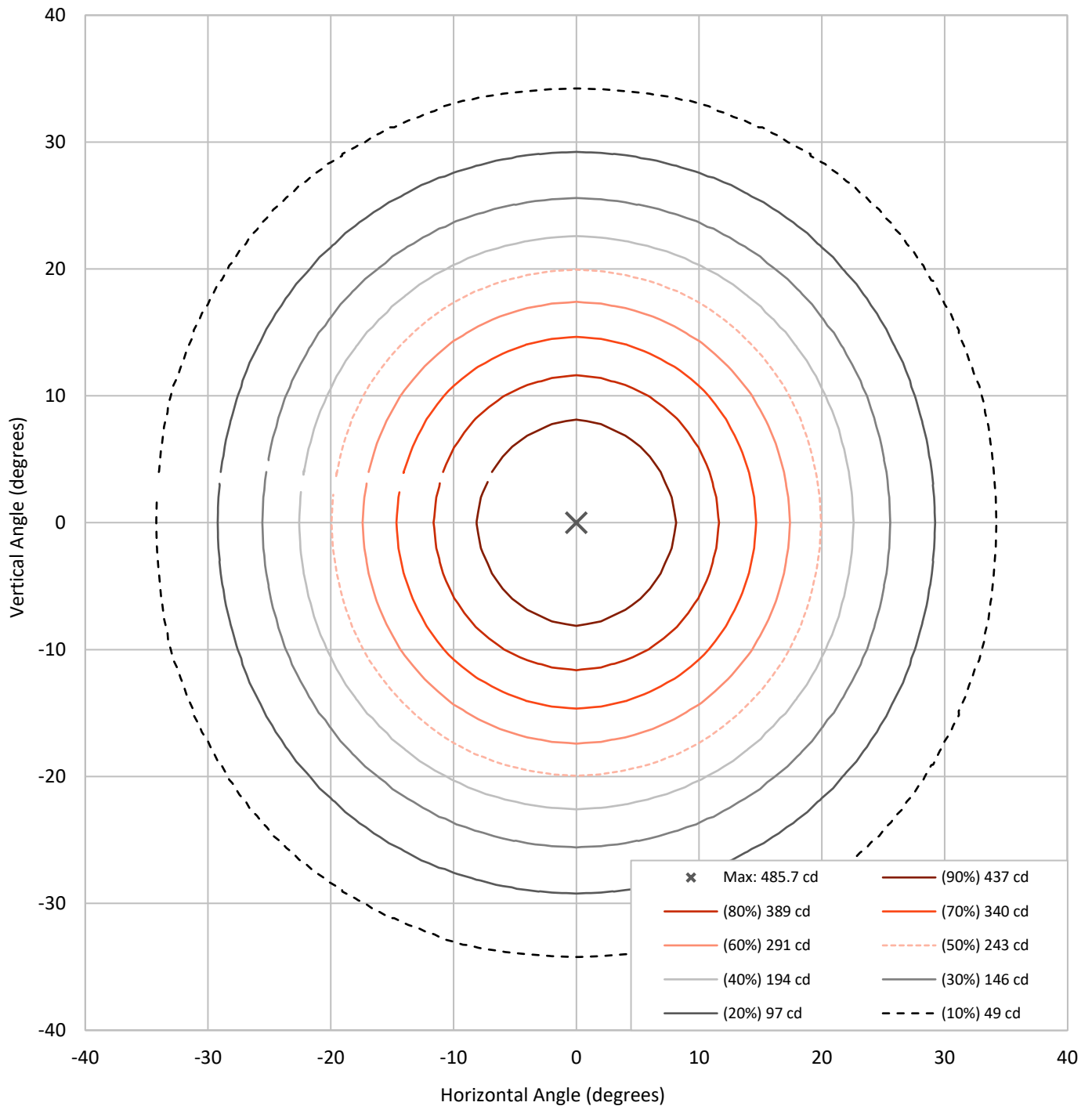
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	241 lumens	Max Intensity:	485.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	30.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	39.9°H x 39.9°V	Field Angle (10%):	68.4°H x 68.4°V
Beam Lumens:	136.5 lumens	Field Lumens:	221.1 lumens
Beam Efficiency:	56.6%	Field Efficiency:	91.7%
Input Watts (W):	7.8		
Input Voltage (V):	NR		
Input Current (Ain):	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		



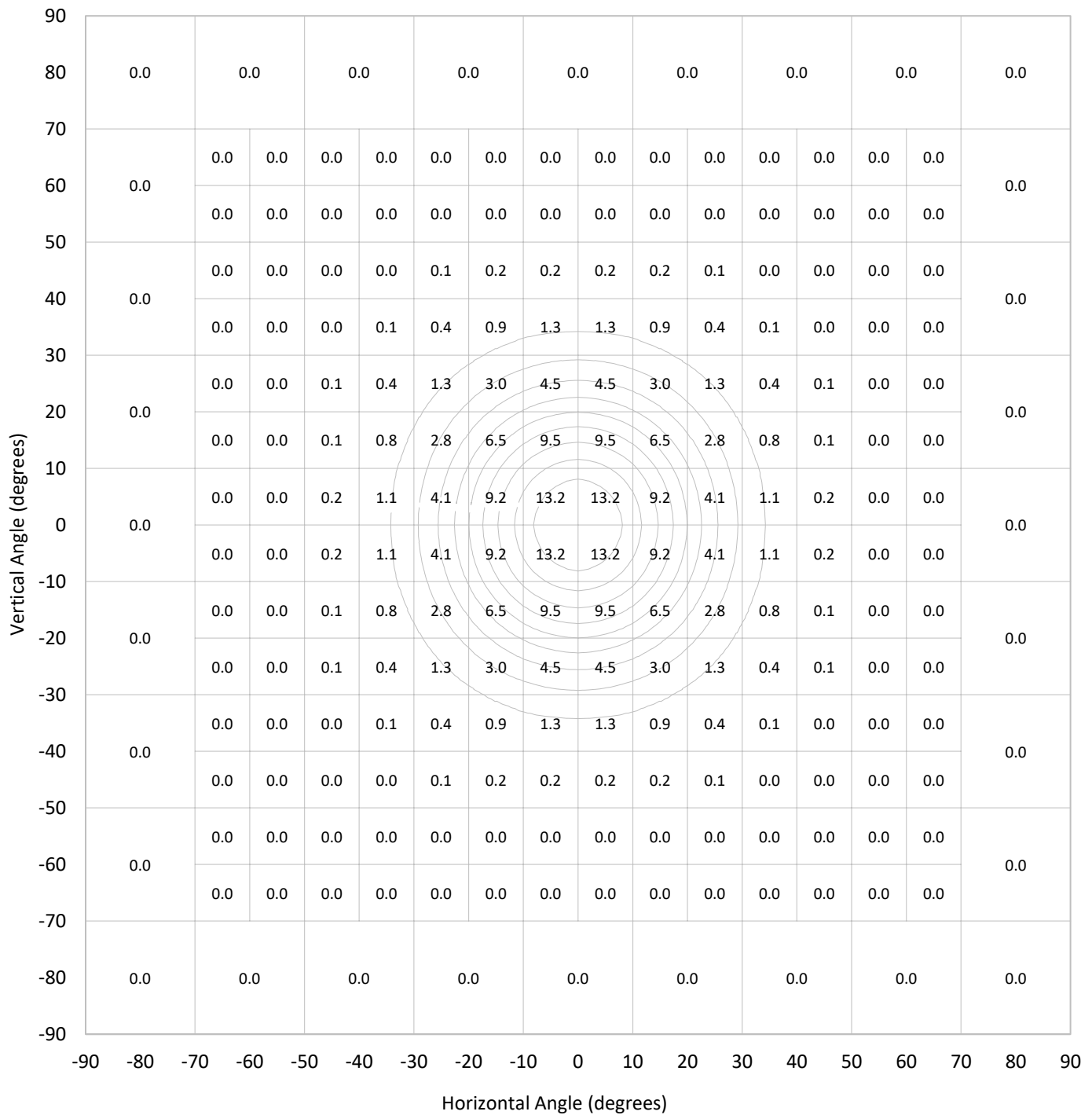
REPORT NUMBER: P247027 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 203-8LED2736-12-BK-DIFF

### Iso-Candela Plot



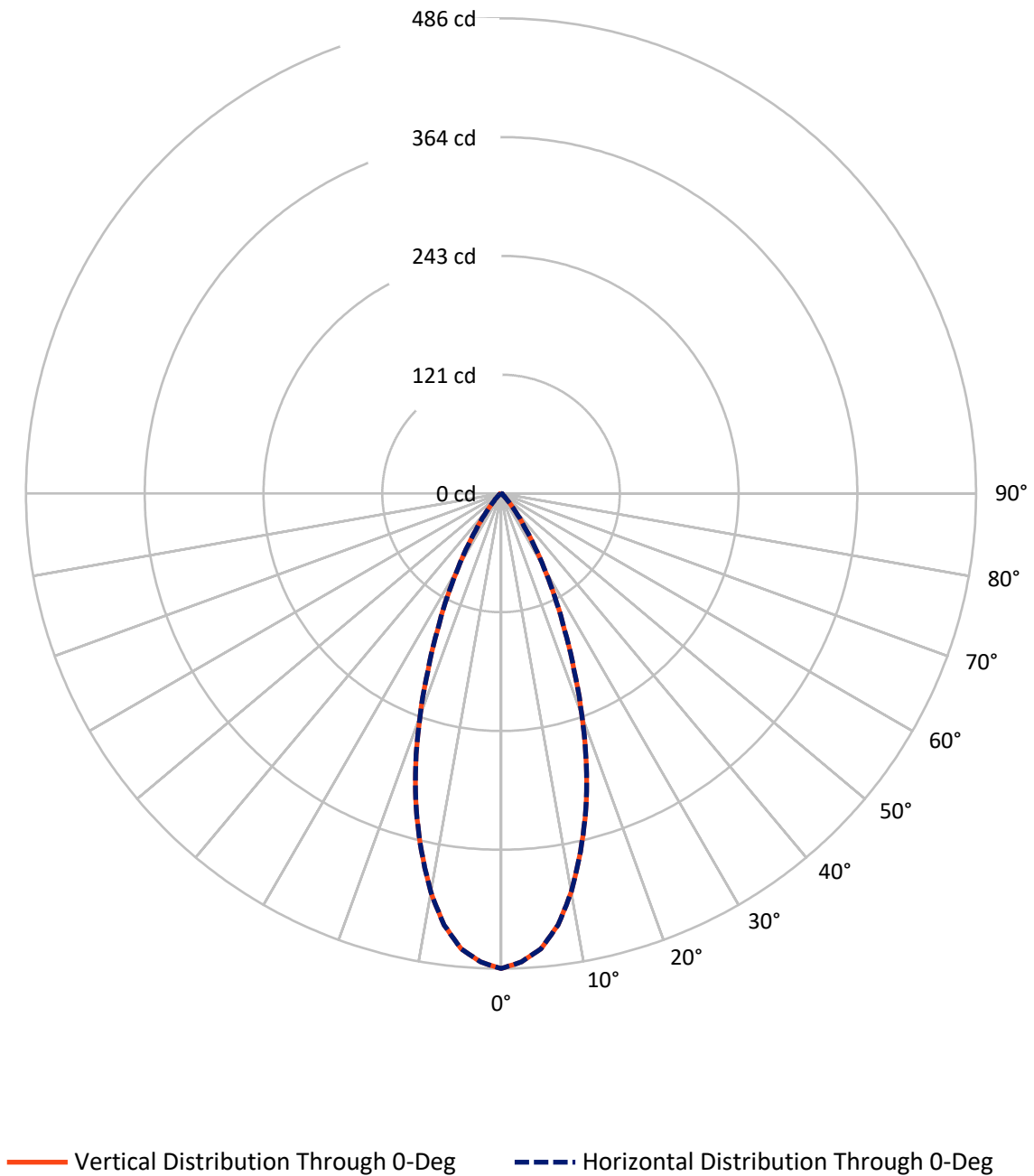
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### Lumen Table



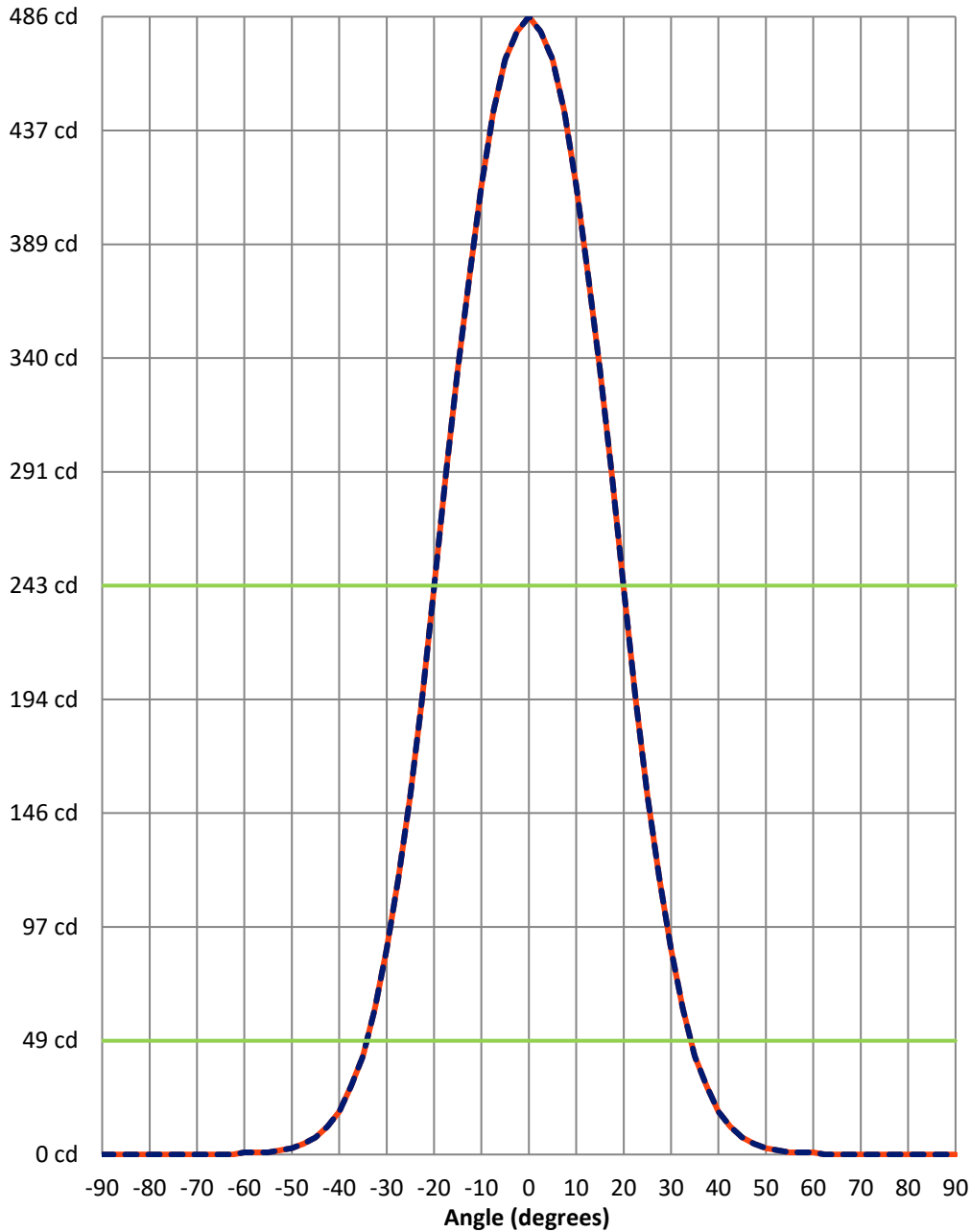
REPORT NUMBER: P247027 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 39.9°  
 V Angle: 39.9°  
 Lumens: 136.5  
 Efficiency: 56.6%

**Field:**  
 H Angle: 68.4°  
 V Angle: 68.4°  
 Lumens: 221.1  
 Efficiency: 91.7%

**Spill:**  
 Lumens: 19.9  
 Efficiency: 8.3%

— 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: P247027 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED2736-12-BK-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	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: P247027 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-BK-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	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	1
45°	0	0	0	0	0	0	0	1	1	1	1
42.5°	0	0	0	0	0	0	1	1	1	1	1
40°	0	0	0	0	0	1	1	1	1	1	2
37.5°	0	0	0	0	0	1	1	1	1	2	2
35°	0	0	0	0	1	1	1	1	2	2	3
32.5°	0	0	0	1	1	1	1	1	2	3	4
30°	0	0	0	1	1	1	1	2	3	4	6
27.5°	0	0	0	1	1	1	2	2	3	5	7
25°	0	0	1	1	1	1	2	3	4	6	9
22.5°	0	0	1	1	1	1	2	3	5	7	11
20°	0	0	1	1	1	2	2	4	6	9	14
17.5°	0	0	1	1	1	2	3	5	7	11	16
15°	0	0	1	1	1	2	3	5	8	12	18
12.5°	0	1	1	1	1	2	4	6	9	14	22
10°	0	1	1	1	2	2	4	6	10	16	24
7.5°	0	1	1	1	2	3	4	7	11	17	26
5°	0	1	1	1	2	3	4	7	11	18	28
2.5°	0	1	1	1	2	3	5	7	12	18	29
0°	0	1	1	1	2	3	5	7	12	18	29
-2.5°	0	1	1	1	2	3	5	7	12	18	29
-5°	0	1	1	1	2	3	4	7	11	18	28
-7.5°	0	1	1	1	2	3	4	7	11	17	26
-10°	0	1	1	1	2	2	4	6	10	16	24
-12.5°	0	1	1	1	1	2	4	6	9	14	22
-15°	0	0	1	1	1	2	3	5	8	12	18
-17.5°	0	0	1	1	1	2	3	5	7	11	16
-20°	0	0	1	1	1	2	2	4	6	9	14



REPORT NUMBER: P247027 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-BK-DIFF

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	0	0	1	1	1	1	2	3	5	7	11
-25°	0	0	1	1	1	1	2	3	4	6	9
-27.5°	0	0	0	1	1	1	2	2	3	5	7
-30°	0	0	0	1	1	1	1	2	3	4	6
-32.5°	0	0	0	1	1	1	1	1	2	3	4
-35°	0	0	0	0	1	1	1	1	2	2	3
-37.5°	0	0	0	0	0	1	1	1	1	2	2
-40°	0	0	0	0	0	1	1	1	1	1	2
-42.5°	0	0	0	0	0	0	1	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	0	1	1	1
-50°	0	0	0	0	0	0	0	0	0	1	1
-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: P247027 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-BK-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	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	1
55°	0	1	1	1	1	1	1	1	1	1	1
52.5°	1	1	1	1	1	1	1	1	1	1	2
50°	1	1	1	1	1	1	2	2	2	2	2
47.5°	1	1	1	2	2	2	2	3	3	4	4
45°	1	1	2	2	3	3	4	5	5	6	6
42.5°	2	2	3	3	4	5	6	7	8	9	10
40°	2	3	4	5	6	7	9	11	12	14	16
37.5°	3	4	6	7	9	11	14	16	18	22	24
35°	4	6	8	10	13	16	20	24	28	32	36
32.5°	6	8	11	14	18	23	29	35	40	45	51
30°	8	11	15	19	26	32	39	48	56	64	73
27.5°	10	14	19	27	34	42	54	65	77	88	97
25°	13	18	26	34	44	57	71	86	100	115	128
22.5°	16	23	32	42	57	73	90	109	127	144	161
20°	20	29	39	54	71	90	112	134	156	179	199
17.5°	24	35	48	65	86	109	134	161	188	215	240
15°	28	40	56	77	100	127	156	188	220	253	282
12.5°	32	45	64	88	115	144	179	215	253	288	318
10°	36	51	73	97	128	161	199	240	282	318	350
7.5°	38	56	79	106	137	175	216	262	304	342	376
5°	40	59	84	113	146	186	230	278	321	360	396
2.5°	42	61	87	117	152	193	239	287	332	371	409
0°	42	62	88	118	153	195	242	290	335	375	414
-2.5°	42	61	87	117	152	193	239	287	332	371	409
-5°	40	59	84	113	146	186	230	278	321	360	396
-7.5°	38	56	79	106	137	175	216	262	304	342	376
-10°	36	51	73	97	128	161	199	240	282	318	350
-12.5°	32	45	64	88	115	144	179	215	253	288	318
-15°	28	40	56	77	100	127	156	188	220	253	282
-17.5°	24	35	48	65	86	109	134	161	188	215	240
-20°	20	29	39	54	71	90	112	134	156	179	199



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 CATALOG NUMBER: 203-8LED2736-12-BK-DIFF

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	16	23	32	42	57	73	90	109	127	144	161
-25°	13	18	26	34	44	57	71	86	100	115	128
-27.5°	10	14	19	27	34	42	54	65	77	88	97
-30°	8	11	15	19	26	32	39	48	56	64	73
-32.5°	6	8	11	14	18	23	29	35	40	45	51
-35°	4	6	8	10	13	16	20	24	28	32	36
-37.5°	3	4	6	7	9	11	14	16	18	22	24
-40°	2	3	4	5	6	7	9	11	12	14	16
-42.5°	2	2	3	3	4	5	6	7	8	9	10
-45°	1	1	2	2	3	3	4	5	5	6	6
-47.5°	1	1	1	2	2	2	2	3	3	4	4
-50°	1	1	1	1	1	1	2	2	2	2	2
-52.5°	1	1	1	1	1	1	1	1	1	1	2
-55°	0	1	1	1	1	1	1	1	1	1	1
-57.5°	0	0	0	0	1	1	1	1	1	1	1
-60°	0	0	0	0	0	0	0	0	0	1	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: P247027 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-BK-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°	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°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
52.5°	2	2	2	2	2	2	2	2	1	1	1
50°	3	3	3	3	3	3	3	2	2	2	2
47.5°	4	4	5	5	5	4	4	4	4	3	3
45°	7	7	7	7	7	7	7	6	6	5	5
42.5°	11	11	12	12	12	11	11	10	9	8	7
40°	17	18	18	18	18	18	17	16	14	12	11
37.5°	26	28	29	29	29	28	26	24	22	18	16
35°	38	40	42	42	42	40	38	36	32	28	24
32.5°	56	59	61	62	61	59	56	51	45	40	35
30°	79	84	87	88	87	84	79	73	64	56	48
27.5°	106	113	117	118	117	113	106	97	88	77	65
25°	137	146	152	153	152	146	137	128	115	100	86
22.5°	175	186	193	195	193	186	175	161	144	127	109
20°	216	230	239	242	239	230	216	199	179	156	134
17.5°	262	278	287	290	287	278	262	240	215	188	161
15°	304	321	332	335	332	321	304	282	253	220	188
12.5°	342	360	371	375	371	360	342	318	288	253	215
10°	376	396	409	414	409	396	376	350	318	282	240
7.5°	404	426	440	445	440	426	404	376	342	304	262
5°	426	450	463	467	463	450	426	396	360	321	278
2.5°	440	463	475	479	475	463	440	409	371	332	287
0°	445	467	479	486	479	467	445	414	375	335	290
-2.5°	440	463	475	479	475	463	440	409	371	332	287
-5°	426	450	463	467	463	450	426	396	360	321	278
-7.5°	404	426	440	445	440	426	404	376	342	304	262
-10°	376	396	409	414	409	396	376	350	318	282	240
-12.5°	342	360	371	375	371	360	342	318	288	253	215
-15°	304	321	332	335	332	321	304	282	253	220	188
-17.5°	262	278	287	290	287	278	262	240	215	188	161
-20°	216	230	239	242	239	230	216	199	179	156	134



REPORT NUMBER: P247027 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-BK-DIFF

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	175	186	193	195	193	186	175	161	144	127	109
-25°	137	146	152	153	152	146	137	128	115	100	86
-27.5°	106	113	117	118	117	113	106	97	88	77	65
-30°	79	84	87	88	87	84	79	73	64	56	48
-32.5°	56	59	61	62	61	59	56	51	45	40	35
-35°	38	40	42	42	42	40	38	36	32	28	24
-37.5°	26	28	29	29	29	28	26	24	22	18	16
-40°	17	18	18	18	18	18	17	16	14	12	11
-42.5°	11	11	12	12	12	11	11	10	9	8	7
-45°	7	7	7	7	7	7	7	6	6	5	5
-47.5°	4	4	5	5	5	4	4	4	4	3	3
-50°	3	3	3	3	3	3	3	2	2	2	2
-52.5°	2	2	2	2	2	2	2	2	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	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: P247027 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-BK-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°	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°	1	1	1	1	1	1	0	0	0	0	0
52.5°	1	1	1	1	1	1	1	0	0	0	0
50°	2	1	1	1	1	1	1	1	1	0	0
47.5°	2	2	2	2	1	1	1	1	1	1	0
45°	4	3	3	2	2	1	1	1	1	1	1
42.5°	6	5	4	3	3	2	2	1	1	1	1
40°	9	7	6	5	4	3	2	2	1	1	1
37.5°	14	11	9	7	6	4	3	2	2	1	1
35°	20	16	13	10	8	6	4	3	2	2	1
32.5°	29	23	18	14	11	8	6	4	3	2	1
30°	39	32	26	19	15	11	8	6	4	3	2
27.5°	54	42	34	27	19	14	10	7	5	3	2
25°	71	57	44	34	26	18	13	9	6	4	3
22.5°	90	73	57	42	32	23	16	11	7	5	3
20°	112	90	71	54	39	29	20	14	9	6	4
17.5°	134	109	86	65	48	35	24	16	11	7	5
15°	156	127	100	77	56	40	28	18	12	8	5
12.5°	179	144	115	88	64	45	32	22	14	9	6
10°	199	161	128	97	73	51	36	24	16	10	6
7.5°	216	175	137	106	79	56	38	26	17	11	7
5°	230	186	146	113	84	59	40	28	18	11	7
2.5°	239	193	152	117	87	61	42	29	18	12	7
0°	242	195	153	118	88	62	42	29	18	12	7
-2.5°	239	193	152	117	87	61	42	29	18	12	7
-5°	230	186	146	113	84	59	40	28	18	11	7
-7.5°	216	175	137	106	79	56	38	26	17	11	7
-10°	199	161	128	97	73	51	36	24	16	10	6
-12.5°	179	144	115	88	64	45	32	22	14	9	6
-15°	156	127	100	77	56	40	28	18	12	8	5
-17.5°	134	109	86	65	48	35	24	16	11	7	5
-20°	112	90	71	54	39	29	20	14	9	6	4



REPORT NUMBER: P247027 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-BK-DIFF

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	90	73	57	42	32	23	16	11	7	5	3
-25°	71	57	44	34	26	18	13	9	6	4	3
-27.5°	54	42	34	27	19	14	10	7	5	3	2
-30°	39	32	26	19	15	11	8	6	4	3	2
-32.5°	29	23	18	14	11	8	6	4	3	2	1
-35°	20	16	13	10	8	6	4	3	2	2	1
-37.5°	14	11	9	7	6	4	3	2	2	1	1
-40°	9	7	6	5	4	3	2	2	1	1	1
-42.5°	6	5	4	3	3	2	2	1	1	1	1
-45°	4	3	3	2	2	1	1	1	1	1	1
-47.5°	2	2	2	2	1	1	1	1	1	1	0
-50°	2	1	1	1	1	1	1	1	1	0	0
-52.5°	1	1	1	1	1	1	1	0	0	0	0
-55°	1	1	1	1	1	1	0	0	0	0	0
-57.5°	1	1	1	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: P247027 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-BK-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°	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°	1	1	0	0	0	0	0	0	0	0	0
35°	1	1	1	0	0	0	0	0	0	0	0
32.5°	1	1	1	1	0	0	0	0	0	0	0
30°	1	1	1	1	0	0	0	0	0	0	0
27.5°	2	1	1	1	0	0	0	0	0	0	0
25°	2	1	1	1	1	0	0	0	0	0	0
22.5°	2	1	1	1	1	0	0	0	0	0	0
20°	2	2	1	1	1	0	0	0	0	0	0
17.5°	3	2	1	1	1	0	0	0	0	0	0
15°	3	2	1	1	1	0	0	0	0	0	0
12.5°	4	2	1	1	1	1	0	0	0	0	0
10°	4	2	2	1	1	1	0	0	0	0	0
7.5°	4	3	2	1	1	1	0	0	0	0	0
5°	4	3	2	1	1	1	0	0	0	0	0
2.5°	5	3	2	1	1	1	0	0	0	0	0
0°	5	3	2	1	1	1	0	0	0	0	0
-2.5°	5	3	2	1	1	1	0	0	0	0	0
-5°	4	3	2	1	1	1	0	0	0	0	0
-7.5°	4	3	2	1	1	1	0	0	0	0	0
-10°	4	2	2	1	1	1	0	0	0	0	0
-12.5°	4	2	1	1	1	1	0	0	0	0	0
-15°	3	2	1	1	1	0	0	0	0	0	0
-17.5°	3	2	1	1	1	0	0	0	0	0	0
-20°	2	2	1	1	1	0	0	0	0	0	0



REPORT NUMBER: P247027 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-BK-DIFF

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2	1	1	1	1	0	0	0	0	0	0
-25°	2	1	1	1	1	0	0	0	0	0	0
-27.5°	2	1	1	1	0	0	0	0	0	0	0
-30°	1	1	1	1	0	0	0	0	0	0	0
-32.5°	1	1	1	1	0	0	0	0	0	0	0
-35°	1	1	1	0	0	0	0	0	0	0	0
-37.5°	1	1	0	0	0	0	0	0	0	0	0
-40°	1	1	0	0	0	0	0	0	0	0	0
-42.5°	1	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: P247027 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2736-12-BK-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°	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: P247027 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 203-8LED2736-12-BK-DIFF

**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)