

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: P246971 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246971 (CONVERTED FROM TYPE C PHOTOMETRY)
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-38)
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-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD SILVER, HEX CELL LOUVER
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:	2H x 2V
Luminaire Lumens:	198 lumens	Max Intensity:	4107.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	26.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	11.7°H x 11.7°V	Field Angle (10%):	19.3°H x 19.3°V
Beam Lumens:	89.8 lumens	Field Lumens:	155.2 lumens
Beam Efficiency:	45.3%	Field Efficiency:	78.4%

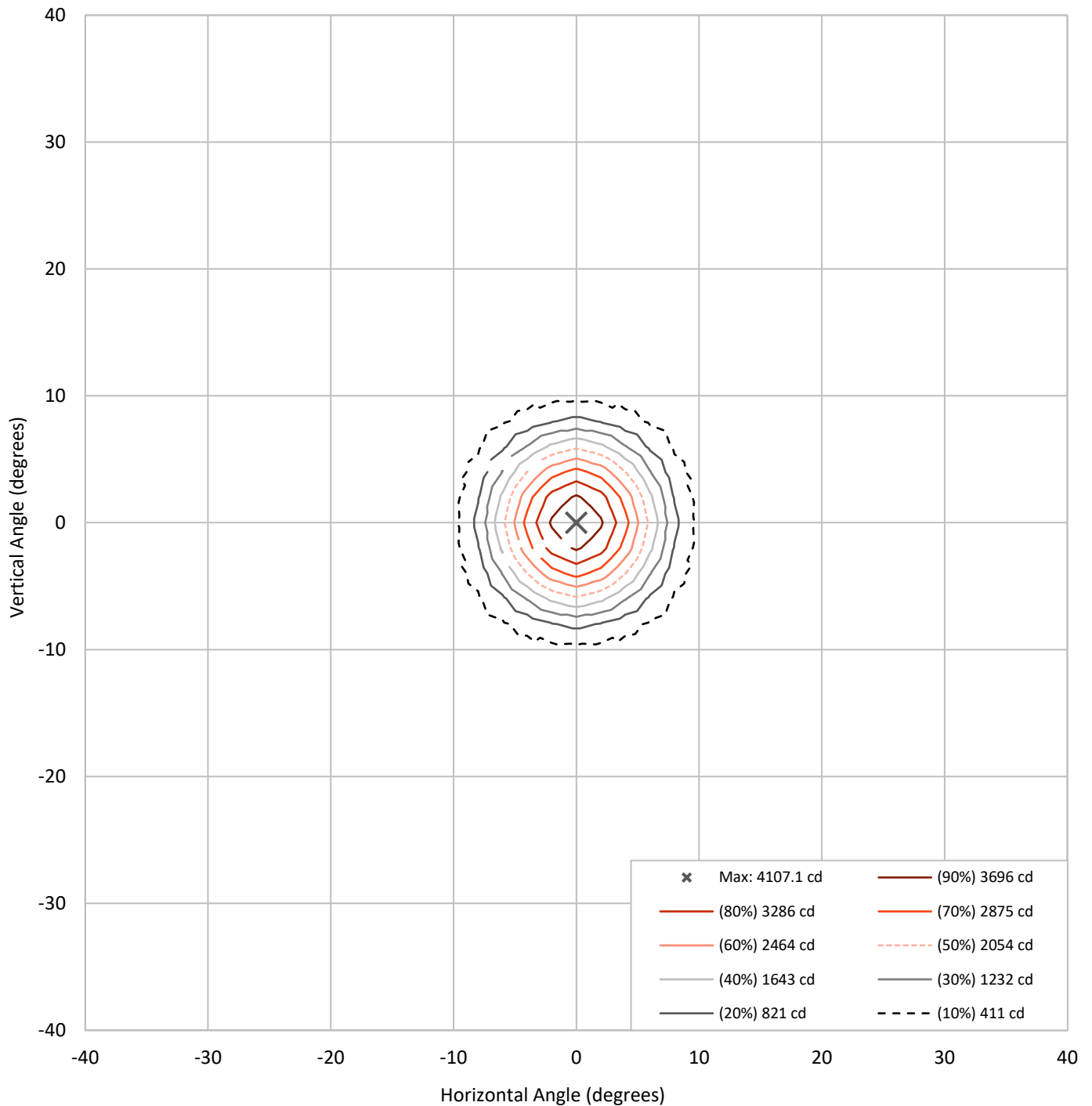
Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

Iso-Candela Plot



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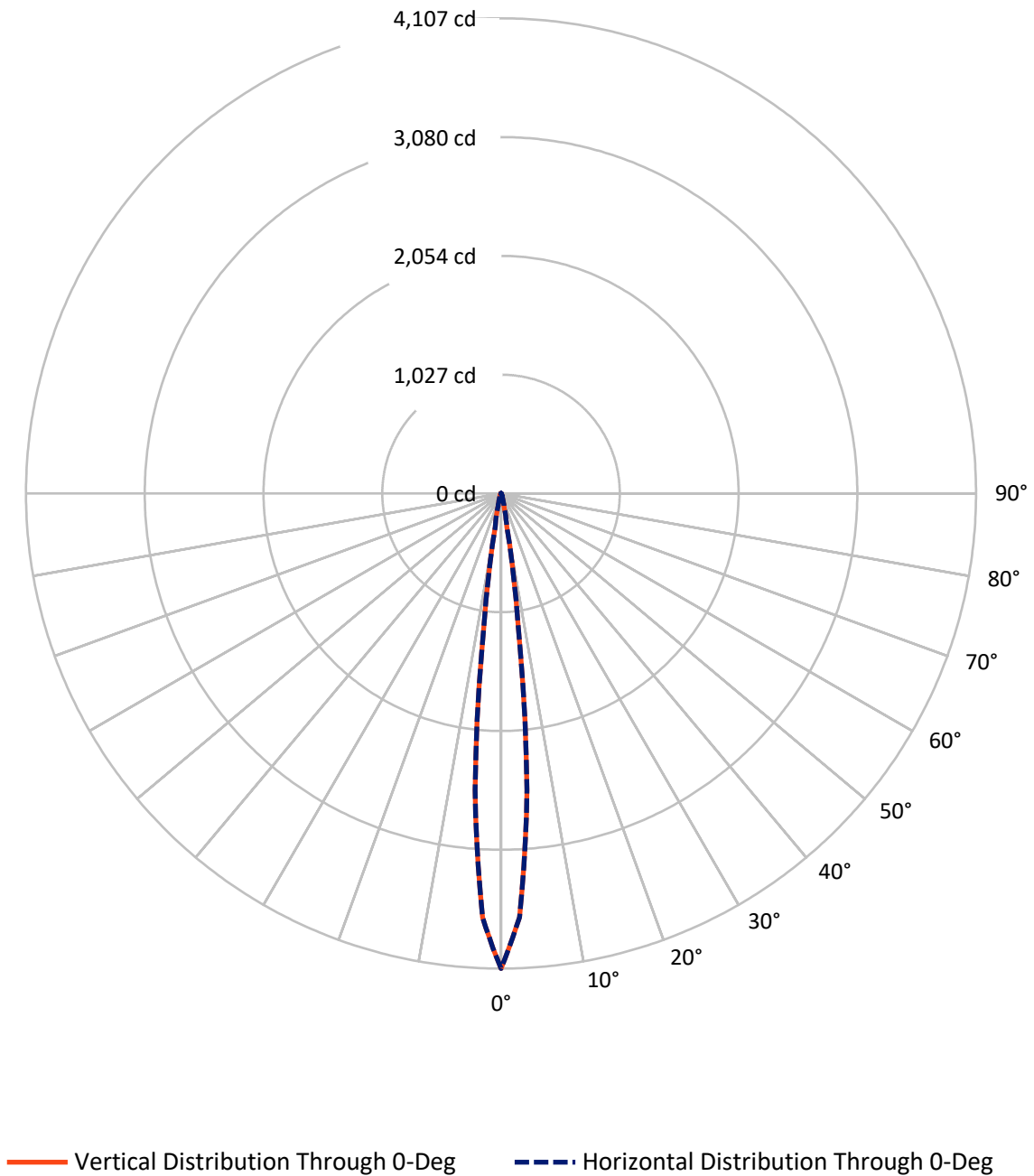
Lumen Table

90	0.0															
80	0.0															
70	0.0															
60	0.0															
50	0.0															
40	0.0															
30	0.0															
20	0.0															
10	0.0															
0	0.0															
-10	0.0															
-20	0.0															
-30	0.0															
-40	0.0															
-50	0.0															
-60	0.0															
-70	0.0															
-80	0.0															
-90	0.0															

Horizontal Angle (degrees)

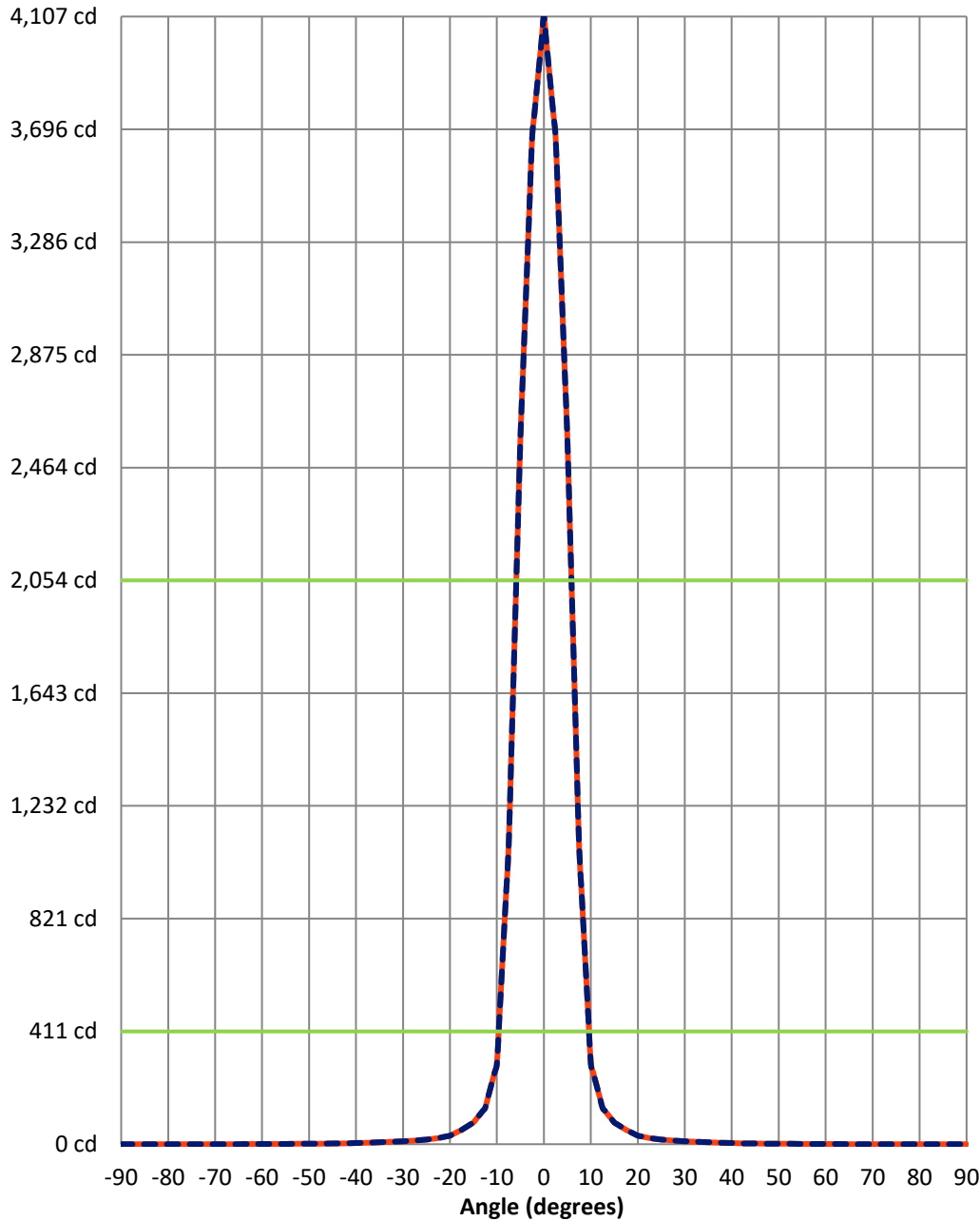
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 11.7°
V Angle: 11.7°
Lumens: 89.8
Efficiency: 45.3%

Field:
H Angle: 19.3°
V Angle: 19.3°
Lumens: 155.2
Efficiency: 78.4%

Spill:
Lumens: 42.8
Efficiency: 21.6%

— 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: P246971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-CS-LVR

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: P246971 (CONVERTED FROM TYPE C PHOTOMETRY)
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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	1
52.5°	0	0	0	0	0	0	0	0	1	1	1
50°	0	0	0	0	0	0	0	1	1	1	1
47.5°	0	0	0	0	0	0	1	1	1	1	1
45°	0	0	0	0	0	1	1	1	1	1	1
42.5°	0	0	0	0	1	1	1	1	1	1	1
40°	0	0	0	0	1	1	1	1	1	1	2
37.5°	0	0	0	1	1	1	1	1	1	2	2
35°	0	0	0	1	1	1	1	1	2	2	2
32.5°	0	0	1	1	1	1	1	1	2	2	2
30°	0	0	1	1	1	1	1	2	2	2	2
27.5°	0	0	1	1	1	1	2	2	2	2	3
25°	0	1	1	1	1	1	2	2	2	2	3
22.5°	0	1	1	1	1	1	2	2	2	3	3
20°	0	1	1	1	1	2	2	2	2	3	3
17.5°	0	1	1	1	1	2	2	2	3	3	4
15°	1	1	1	1	1	2	2	2	3	3	4
12.5°	1	1	1	1	1	2	2	2	3	3	5
10°	1	1	1	1	2	2	2	2	3	4	5
7.5°	1	1	1	1	2	2	2	3	3	4	5
5°	1	1	1	1	2	2	2	3	3	4	5
2.5°	1	1	1	1	2	2	2	3	3	4	5
0°	1	1	1	1	2	2	2	3	3	4	5
-2.5°	1	1	1	1	2	2	2	3	3	4	5
-5°	1	1	1	1	2	2	2	3	3	4	5
-7.5°	1	1	1	1	2	2	2	3	3	4	5
-10°	1	1	1	1	2	2	2	2	3	4	5
-12.5°	1	1	1	1	1	2	2	2	3	3	5
-15°	1	1	1	1	1	2	2	2	3	3	4
-17.5°	0	1	1	1	1	2	2	2	3	3	4
-20°	0	1	1	1	1	2	2	2	2	3	3



REPORT NUMBER: P246971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-CS-LVR

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	0	1	1	1	1	1	2	2	2	3	3
-25°	0	1	1	1	1	1	2	2	2	2	3
-27.5°	0	0	1	1	1	1	2	2	2	2	3
-30°	0	0	1	1	1	1	1	2	2	2	2
-32.5°	0	0	1	1	1	1	1	1	2	2	2
-35°	0	0	0	1	1	1	1	1	2	2	2
-37.5°	0	0	0	1	1	1	1	1	1	2	2
-40°	0	0	0	0	1	1	1	1	1	1	2
-42.5°	0	0	0	0	1	1	1	1	1	1	1
-45°	0	0	0	0	0	1	1	1	1	1	1
-47.5°	0	0	0	0	0	0	1	1	1	1	1
-50°	0	0	0	0	0	0	0	1	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	0	1
-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: P246971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-CS-LVR

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	1	1	1
60°	0	0	0	0	1	1	1	1	1	1	1
57.5°	0	1	1	1	1	1	1	1	1	1	1
55°	1	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	2	2	2	2
45°	1	1	2	2	2	2	2	2	2	2	2
42.5°	2	2	2	2	2	2	2	3	3	3	3
40°	2	2	2	2	2	3	3	3	3	3	4
37.5°	2	2	2	3	3	3	3	4	4	5	5
35°	2	2	3	3	3	4	5	5	5	6	6
32.5°	2	3	3	3	4	5	5	6	7	7	8
30°	3	3	3	4	5	6	7	8	8	9	10
27.5°	3	3	4	5	6	7	8	9	10	11	12
25°	3	4	5	6	7	8	10	10	12	13	14
22.5°	4	5	6	7	8	10	11	13	14	16	18
20°	5	5	7	8	10	11	13	15	17	20	23
17.5°	5	6	8	9	10	13	15	18	21	26	31
15°	5	7	8	10	12	14	17	21	27	36	48
12.5°	6	7	9	11	13	16	20	26	36	51	69
10°	6	8	10	12	14	18	23	31	48	69	98
7.5°	7	8	10	12	15	20	26	40	60	89	134
5°	7	9	10	13	16	21	29	47	70	112	217
2.5°	7	9	11	13	17	22	30	51	77	127	273
0°	7	9	11	13	17	22	31	52	79	132	293
-2.5°	7	9	11	13	17	22	30	51	77	127	273
-5°	7	9	10	13	16	21	29	47	70	112	217
-7.5°	7	8	10	12	15	20	26	40	60	89	134
-10°	6	8	10	12	14	18	23	31	48	69	98
-12.5°	6	7	9	11	13	16	20	26	36	51	69
-15°	5	7	8	10	12	14	17	21	27	36	48
-17.5°	5	6	8	9	10	13	15	18	21	26	31
-20°	5	5	7	8	10	11	13	15	17	20	23



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

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4	5	6	7	8	10	11	13	14	16	18
-25°	3	4	5	6	7	8	10	10	12	13	14
-27.5°	3	3	4	5	6	7	8	9	10	11	12
-30°	3	3	3	4	5	6	7	8	8	9	10
-32.5°	2	3	3	3	4	5	5	6	7	7	8
-35°	2	2	3	3	3	4	5	5	5	6	6
-37.5°	2	2	2	3	3	3	3	4	4	5	5
-40°	2	2	2	2	2	3	3	3	3	3	4
-42.5°	2	2	2	2	2	2	2	3	3	3	3
-45°	1	1	2	2	2	2	2	2	2	2	2
-47.5°	1	1	1	2	2	2	2	2	2	2	2
-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°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	0	1	1	1	1	1	1	1	1	1	1
-60°	0	0	0	0	1	1	1	1	1	1	1
-62.5°	0	0	0	0	0	0	0	0	1	1	1
-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: P246971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-CS-LVR

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°	1	1	1	1	1	1	1	1	1	1	0
60°	1	1	1	1	1	1	1	1	1	1	1
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°	2	2	2	2	2	2	2	2	2	2	2
47.5°	2	2	2	2	2	2	2	2	2	2	2
45°	3	3	3	3	3	3	3	2	2	2	2
42.5°	3	3	3	3	3	3	3	3	3	3	3
40°	4	4	4	4	4	4	4	4	3	3	3
37.5°	5	5	5	5	5	5	5	5	5	4	4
35°	7	7	7	7	7	7	7	6	6	5	5
32.5°	8	9	9	9	9	9	8	8	7	7	6
30°	10	10	11	11	11	10	10	10	9	8	8
27.5°	12	13	13	13	13	13	12	12	11	10	9
25°	15	16	17	17	17	16	15	14	13	12	10
22.5°	20	21	22	22	22	21	20	18	16	14	13
20°	26	29	30	31	30	29	26	23	20	17	15
17.5°	40	47	51	52	51	47	40	31	26	21	18
15°	60	70	77	79	77	70	60	48	36	27	21
12.5°	89	112	127	132	127	112	89	69	51	36	26
10°	134	217	273	293	273	217	134	98	69	48	31
7.5°	255	480	877	1085	877	480	255	134	89	60	40
5°	480	1309	2208	2572	2208	1309	480	217	112	70	47
2.5°	877	2208	3290	3667	3290	2208	877	273	127	77	51
0°	1085	2572	3667	4107	3667	2572	1085	293	132	79	52
-2.5°	877	2208	3290	3667	3290	2208	877	273	127	77	51
-5°	480	1309	2208	2572	2208	1309	480	217	112	70	47
-7.5°	255	480	877	1085	877	480	255	134	89	60	40
-10°	134	217	273	293	273	217	134	98	69	48	31
-12.5°	89	112	127	132	127	112	89	69	51	36	26
-15°	60	70	77	79	77	70	60	48	36	27	21
-17.5°	40	47	51	52	51	47	40	31	26	21	18
-20°	26	29	30	31	30	29	26	23	20	17	15



REPORT NUMBER: P246971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-CS-LVR

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20	21	22	22	22	21	20	18	16	14	13
-25°	15	16	17	17	17	16	15	14	13	12	10
-27.5°	12	13	13	13	13	13	12	12	11	10	9
-30°	10	10	11	11	11	10	10	10	9	8	8
-32.5°	8	9	9	9	9	9	8	8	7	7	6
-35°	7	7	7	7	7	7	7	6	6	5	5
-37.5°	5	5	5	5	5	5	5	5	5	4	4
-40°	4	4	4	4	4	4	4	4	3	3	3
-42.5°	3	3	3	3	3	3	3	3	3	3	3
-45°	3	3	3	3	3	3	3	2	2	2	2
-47.5°	2	2	2	2	2	2	2	2	2	2	2
-50°	2	2	2	2	2	2	2	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	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	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: P246971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-CS-LVR

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°	1	1	1	0	0	0	0	0	0	0	0
57.5°	1	1	1	1	1	1	0	0	0	0	0
55°	1	1	1	1	1	1	1	1	0	0	0
52.5°	1	1	1	1	1	1	1	1	1	1	0
50°	2	1	1	1	1	1	1	1	1	1	1
47.5°	2	2	2	2	1	1	1	1	1	1	1
45°	2	2	2	2	2	1	1	1	1	1	1
42.5°	2	2	2	2	2	2	2	1	1	1	1
40°	3	3	2	2	2	2	2	2	1	1	1
37.5°	3	3	3	3	2	2	2	2	2	1	1
35°	5	4	3	3	3	2	2	2	2	2	1
32.5°	5	5	4	3	3	3	2	2	2	2	1
30°	7	6	5	4	3	3	3	2	2	2	2
27.5°	8	7	6	5	4	3	3	3	2	2	2
25°	10	8	7	6	5	4	3	3	2	2	2
22.5°	11	10	8	7	6	5	4	3	3	2	2
20°	13	11	10	8	7	5	5	3	3	2	2
17.5°	15	13	10	9	8	6	5	4	3	3	2
15°	17	14	12	10	8	7	5	4	3	3	2
12.5°	20	16	13	11	9	7	6	5	3	3	2
10°	23	18	14	12	10	8	6	5	4	3	2
7.5°	26	20	15	12	10	8	7	5	4	3	3
5°	29	21	16	13	10	9	7	5	4	3	3
2.5°	30	22	17	13	11	9	7	5	4	3	3
0°	31	22	17	13	11	9	7	5	4	3	3
-2.5°	30	22	17	13	11	9	7	5	4	3	3
-5°	29	21	16	13	10	9	7	5	4	3	3
-7.5°	26	20	15	12	10	8	7	5	4	3	3
-10°	23	18	14	12	10	8	6	5	4	3	2
-12.5°	20	16	13	11	9	7	6	5	3	3	2
-15°	17	14	12	10	8	7	5	4	3	3	2
-17.5°	15	13	10	9	8	6	5	4	3	3	2
-20°	13	11	10	8	7	5	5	3	3	2	2



REPORT NUMBER: P246971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-CS-LVR

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	11	10	8	7	6	5	4	3	3	2	2
-25°	10	8	7	6	5	4	3	3	2	2	2
-27.5°	8	7	6	5	4	3	3	3	2	2	2
-30°	7	6	5	4	3	3	3	2	2	2	2
-32.5°	5	5	4	3	3	3	2	2	2	2	1
-35°	5	4	3	3	3	2	2	2	2	2	1
-37.5°	3	3	3	3	2	2	2	2	2	1	1
-40°	3	3	2	2	2	2	2	2	1	1	1
-42.5°	2	2	2	2	2	2	2	1	1	1	1
-45°	2	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	1	1	1	1	1	1	1	1	1	1
-52.5°	1	1	1	1	1	1	1	1	1	1	0
-55°	1	1	1	1	1	1	1	1	0	0	0
-57.5°	1	1	1	1	1	1	0	0	0	0	0
-60°	1	1	1	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: P246971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-CS-LVR

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°	1	0	0	0	0	0	0	0	0	0	0
45°	1	1	0	0	0	0	0	0	0	0	0
42.5°	1	1	1	0	0	0	0	0	0	0	0
40°	1	1	1	0	0	0	0	0	0	0	0
37.5°	1	1	1	1	0	0	0	0	0	0	0
35°	1	1	1	1	0	0	0	0	0	0	0
32.5°	1	1	1	1	1	0	0	0	0	0	0
30°	1	1	1	1	1	0	0	0	0	0	0
27.5°	2	1	1	1	1	0	0	0	0	0	0
25°	2	1	1	1	1	1	0	0	0	0	0
22.5°	2	1	1	1	1	1	0	0	0	0	0
20°	2	2	1	1	1	1	0	0	0	0	0
17.5°	2	2	1	1	1	1	0	0	0	0	0
15°	2	2	1	1	1	1	1	0	0	0	0
12.5°	2	2	1	1	1	1	1	0	0	0	0
10°	2	2	2	1	1	1	1	0	0	0	0
7.5°	2	2	2	1	1	1	1	0	0	0	0
5°	2	2	2	1	1	1	1	0	0	0	0
2.5°	2	2	2	1	1	1	1	0	0	0	0
0°	2	2	2	1	1	1	1	0	0	0	0
-2.5°	2	2	2	1	1	1	1	0	0	0	0
-5°	2	2	2	1	1	1	1	0	0	0	0
-7.5°	2	2	2	1	1	1	1	0	0	0	0
-10°	2	2	2	1	1	1	1	0	0	0	0
-12.5°	2	2	1	1	1	1	1	0	0	0	0
-15°	2	2	1	1	1	1	1	0	0	0	0
-17.5°	2	2	1	1	1	1	0	0	0	0	0
-20°	2	2	1	1	1	1	0	0	0	0	0



REPORT NUMBER: P246971 (CONVERTED FROM TYPE C PHOTOMETRY)

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

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	1	0	0	0	0	0
-25°	2	1	1	1	1	1	0	0	0	0	0
-27.5°	2	1	1	1	1	0	0	0	0	0	0
-30°	1	1	1	1	1	0	0	0	0	0	0
-32.5°	1	1	1	1	1	0	0	0	0	0	0
-35°	1	1	1	1	0	0	0	0	0	0	0
-37.5°	1	1	1	1	0	0	0	0	0	0	0
-40°	1	1	1	0	0	0	0	0	0	0	0
-42.5°	1	1	1	0	0	0	0	0	0	0	0
-45°	1	1	0	0	0	0	0	0	0	0	0
-47.5°	1	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: P246971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-CS-LVR

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: P246971 (CONVERTED FROM TYPE C PHOTOMETRY)

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

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)