

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: P246968 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **206-8LED3010-12-XX-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246968 (CONVERTED FROM TYPE C PHOTOMETRY)
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-27)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 206-8LED3010-12-XX-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 95 CRI 10°NSP LED
SM16-07-10D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

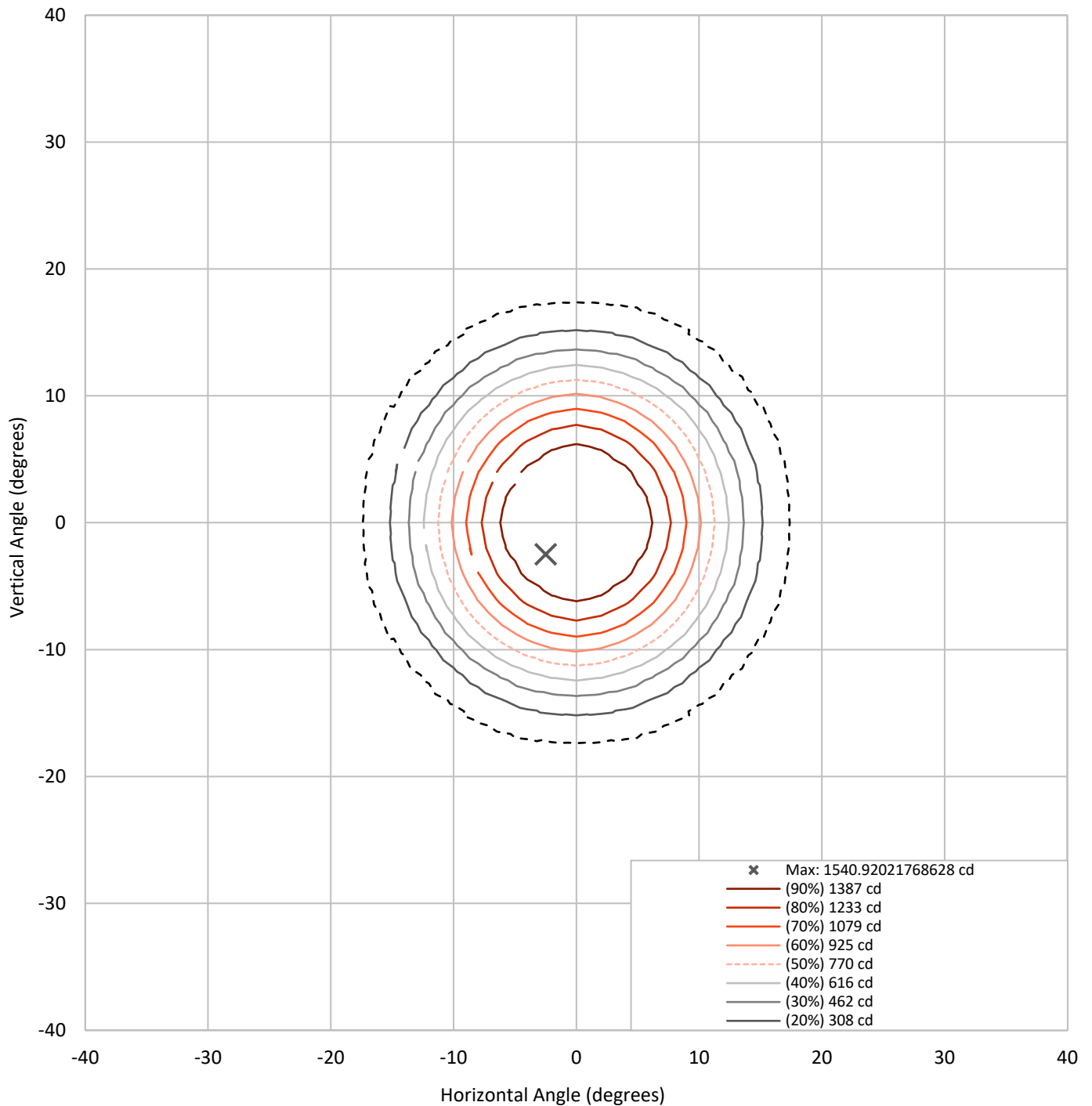
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	251.9 lumens	Max Intensity:	1540.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	31.5 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	22°H x 22°V	Field Angle (10%):	34.1°H x 34.1°V
Beam Lumens:	137.8 lumens	Field Lumens:	209.4 lumens
Beam Efficiency:	54.7%	Field Efficiency:	83.1%
Input Watts (W):	8		
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: 206-8LED3010-12-XX-OSL

Iso-Candela Plot



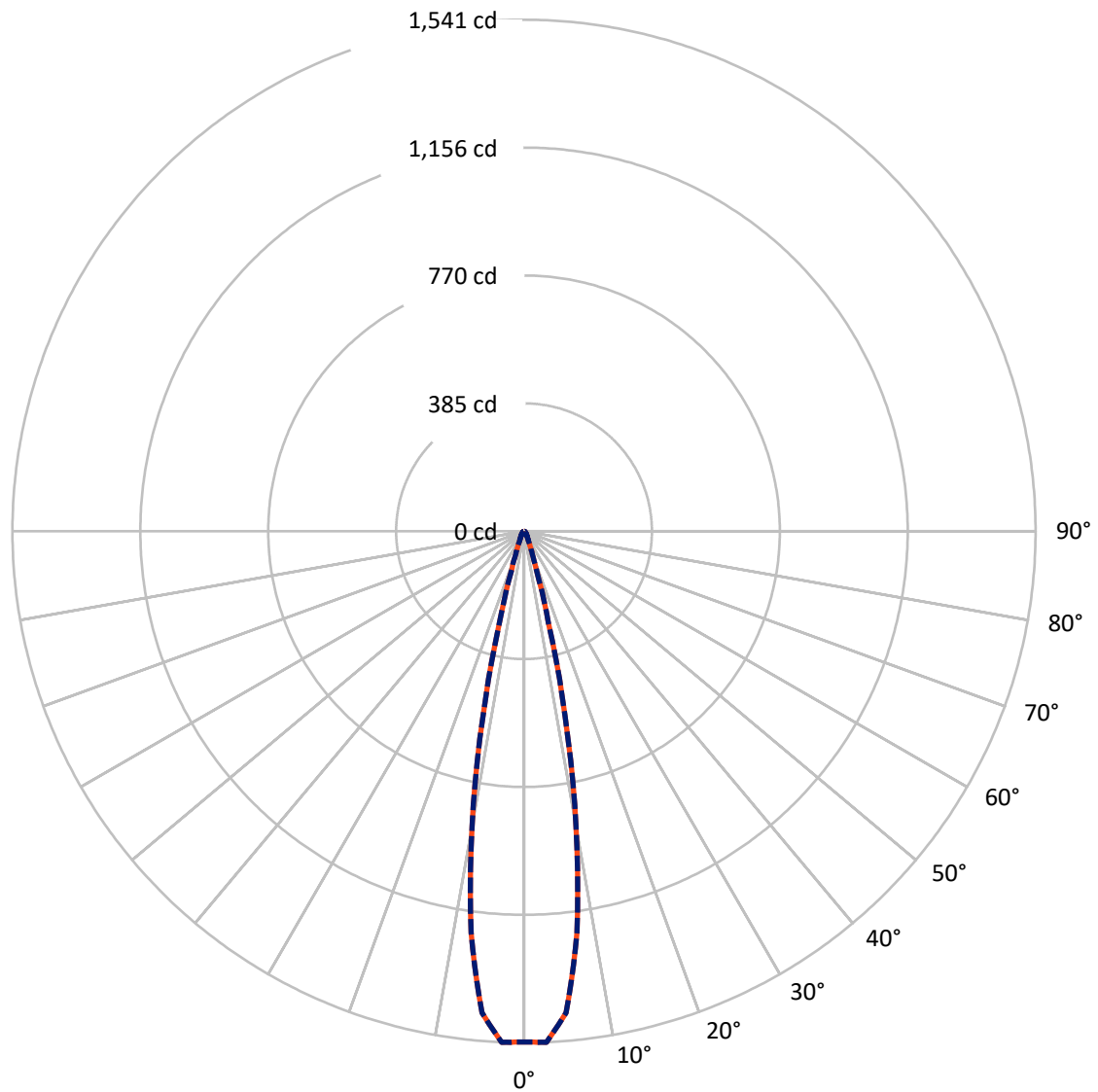
REPORT NUMBER: P246968 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

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	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	
40		0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0		
30	0.0	0.0	0.0	0.1	0.2	0.4	0.7	1.0	1.0	0.7	0.4	0.2	0.1	0.0	0.0	0.0	
20		0.0	0.0	0.1	0.3	0.6	2.3	9.1	9.1	2.3	0.6	0.3	0.1	0.0	0.0		
10	0.0	0.0	0.0	0.2	0.3	0.9	8.9	35.6	35.6	8.9	0.9	0.3	0.2	0.0	0.0	0.0	
0		0.0	0.0	0.2	0.3	0.9	8.9	35.6	35.6	8.9	0.9	0.3	0.2	0.0	0.0		
-10	0.0	0.0	0.0	0.1	0.3	0.6	2.3	9.1	9.1	2.3	0.6	0.3	0.1	0.0	0.0	0.0	
-20		0.0	0.0	0.1	0.2	0.4	0.7	1.0	1.0	0.7	0.4	0.2	0.1	0.0	0.0		
-30	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	
-40		0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0		
-50	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	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			
-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	

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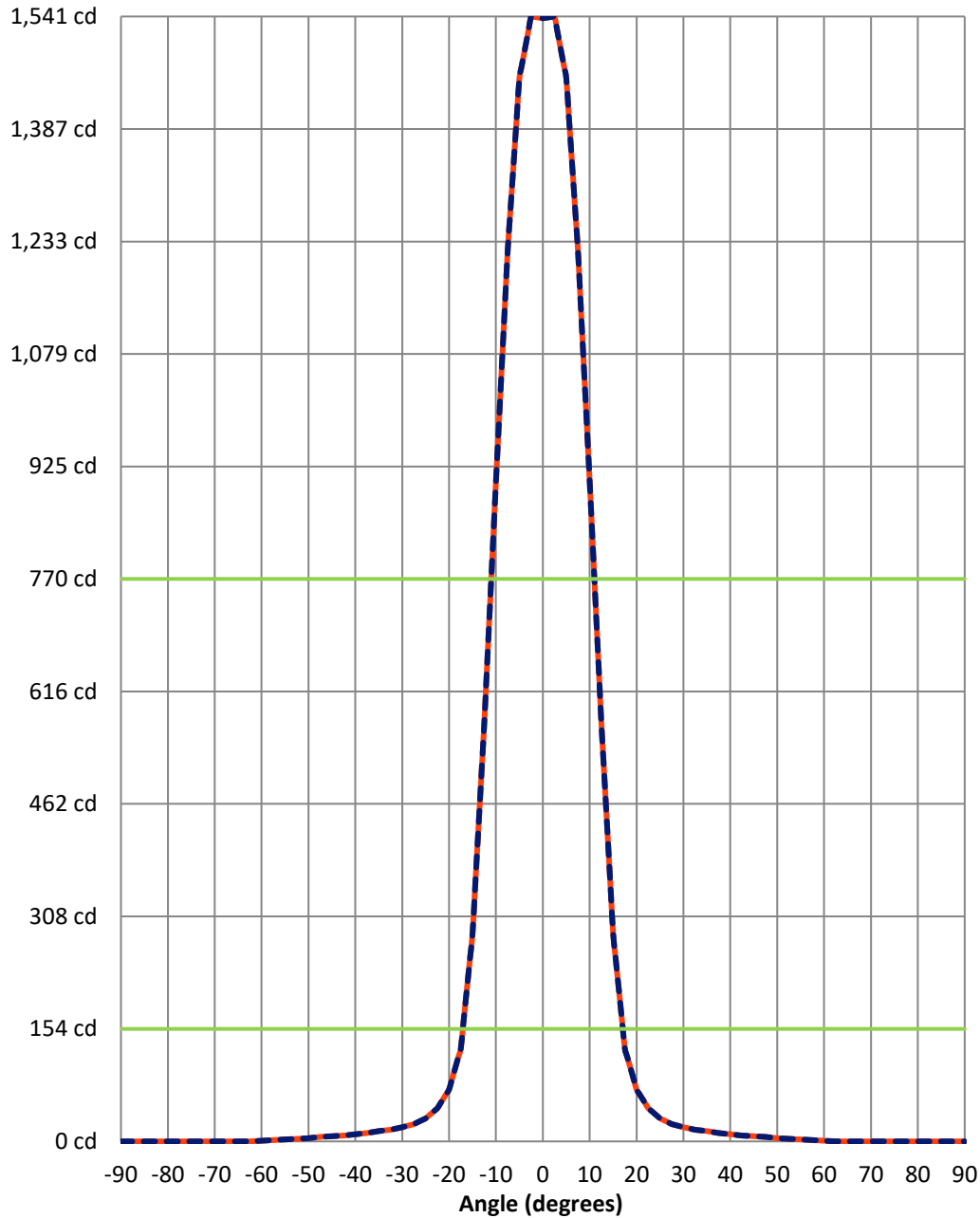
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through -2.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 22°
 V Angle: 22°
 Lumens: 137.8
 Efficiency: 54.7%

Field:
 H Angle: 34.1°
 V Angle: 34.1°
 Lumens: 209.4
 Efficiency: 83.1%

Spill:
 Lumens: 42.5
 Efficiency: 16.9%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through -2.5-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: P246968 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 206-8LED3010-12-XX-OSL

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: P246968 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 206-8LED3010-12-XX-OSL

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	2
45°	0	0	0	0	0	0	0	1	1	2	2
42.5°	0	0	0	0	0	0	1	1	2	2	3
40°	0	0	0	0	0	1	1	2	2	3	3
37.5°	0	0	0	0	0	1	2	2	3	3	4
35°	0	0	0	0	1	2	2	3	3	4	5
32.5°	0	0	0	1	1	2	3	3	4	5	6
30°	0	0	0	1	2	2	3	4	4	6	7
27.5°	0	0	0	1	2	3	3	4	5	6	7
25°	0	0	1	1	2	3	4	4	6	7	7
22.5°	0	0	1	2	2	3	4	5	6	7	8
20°	0	0	1	2	3	3	4	6	7	7	9
17.5°	0	0	1	2	3	4	4	6	7	8	9
15°	0	0	1	2	3	4	5	6	7	8	10
12.5°	0	1	1	2	3	4	5	7	7	9	10
10°	0	1	2	2	3	4	6	7	8	9	11
7.5°	0	1	2	3	3	4	6	7	8	9	11
5°	0	1	2	3	3	4	6	7	8	10	11
2.5°	0	1	2	3	3	4	6	7	8	10	11
0°	0	1	2	3	4	4	6	7	8	10	12
-2.5°	0	1	2	3	3	4	6	7	8	10	11
-5°	0	1	2	3	3	4	6	7	8	10	11
-7.5°	0	1	2	3	3	4	6	7	8	9	11
-10°	0	1	2	2	3	4	6	7	8	9	11
-12.5°	0	1	1	2	3	4	5	7	7	9	10
-15°	0	0	1	2	3	4	5	6	7	8	10
-17.5°	0	0	1	2	3	4	4	6	7	8	9
-20°	0	0	1	2	3	3	4	6	7	7	9



REPORT NUMBER: P246968 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 206-8LED3010-12-XX-OSL

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	2	2	3	4	5	6	7	8
-25°	0	0	1	1	2	3	4	4	6	7	7
-27.5°	0	0	0	1	2	3	3	4	5	6	7
-30°	0	0	0	1	2	2	3	4	4	6	7
-32.5°	0	0	0	1	1	2	3	3	4	5	6
-35°	0	0	0	0	1	2	2	3	3	4	5
-37.5°	0	0	0	0	0	1	2	2	3	3	4
-40°	0	0	0	0	0	1	1	2	2	3	3
-42.5°	0	0	0	0	0	0	1	1	2	2	3
-45°	0	0	0	0	0	0	0	1	1	2	2
-47.5°	0	0	0	0	0	0	0	0	1	1	2
-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: P246968 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 206-8LED3010-12-XX-OSL

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	2
55°	0	1	1	1	1	2	2	2	2	2	2
52.5°	1	1	2	2	2	2	3	3	3	3	3
50°	2	2	2	3	3	3	3	4	4	4	4
47.5°	2	3	3	3	4	4	4	4	5	5	6
45°	3	3	4	4	4	5	6	6	6	7	7
42.5°	3	4	4	5	6	6	7	7	7	7	8
40°	4	5	6	6	7	7	7	8	8	9	9
37.5°	5	6	7	7	7	8	9	9	10	10	11
35°	6	7	7	8	8	9	10	11	11	12	13
32.5°	7	7	8	9	10	11	11	13	14	15	15
30°	7	8	9	10	11	12	14	15	15	16	17
27.5°	8	9	10	11	13	14	15	16	18	19	21
25°	8	10	11	13	14	16	17	19	21	23	26
22.5°	9	11	12	14	16	18	20	23	26	30	35
20°	10	11	14	15	17	20	23	28	33	41	49
17.5°	11	13	15	16	19	23	28	34	44	58	72
15°	11	14	15	18	21	26	33	44	61	86	120
12.5°	12	15	16	19	23	30	41	58	86	129	234
10°	13	15	17	21	26	35	49	72	120	234	406
7.5°	13	15	18	22	29	40	59	96	182	353	604
5°	14	16	19	23	30	43	66	115	245	486	785
2.5°	14	16	19	24	32	45	71	127	284	571	904
0°	14	16	20	24	32	46	73	131	298	601	946
-2.5°	14	16	19	24	32	45	71	127	284	571	904
-5°	14	16	19	23	30	43	66	115	245	486	785
-7.5°	13	15	18	22	29	40	59	96	182	353	604
-10°	13	15	17	21	26	35	49	72	120	234	406
-12.5°	12	15	16	19	23	30	41	58	86	129	234
-15°	11	14	15	18	21	26	33	44	61	86	120
-17.5°	11	13	15	16	19	23	28	34	44	58	72
-20°	10	11	14	15	17	20	23	28	33	41	49



REPORT NUMBER: P246968 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 206-8LED3010-12-XX-OSL

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9	11	12	14	16	18	20	23	26	30	35
-25°	8	10	11	13	14	16	17	19	21	23	26
-27.5°	8	9	10	11	13	14	15	16	18	19	21
-30°	7	8	9	10	11	12	14	15	15	16	17
-32.5°	7	7	8	9	10	11	11	13	14	15	15
-35°	6	7	7	8	8	9	10	11	11	12	13
-37.5°	5	6	7	7	7	8	9	9	10	10	11
-40°	4	5	6	6	7	7	7	8	8	9	9
-42.5°	3	4	4	5	6	6	7	7	7	7	8
-45°	3	3	4	4	4	5	6	6	6	7	7
-47.5°	2	3	3	3	4	4	4	4	5	5	6
-50°	2	2	2	3	3	3	3	4	4	4	4
-52.5°	1	1	2	2	2	2	3	3	3	3	3
-55°	0	1	1	1	1	2	2	2	2	2	2
-57.5°	0	0	0	0	1	1	1	1	1	1	2
-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: P246968 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 206-8LED3010-12-XX-OSL

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°	2	2	2	2	2	2	2	2	1	1	1
55°	3	3	3	3	3	3	3	2	2	2	2
52.5°	3	3	3	4	3	3	3	3	3	3	3
50°	4	4	4	4	4	4	4	4	4	4	4
47.5°	6	6	6	6	6	6	6	6	5	5	4
45°	7	7	7	7	7	7	7	7	7	6	6
42.5°	8	8	8	8	8	8	8	8	7	7	7
40°	9	10	10	10	10	10	9	9	9	8	8
37.5°	11	11	11	12	11	11	11	11	10	10	9
35°	13	14	14	14	14	14	13	13	12	11	11
32.5°	15	16	16	16	16	16	15	15	15	14	13
30°	18	19	19	20	19	19	18	17	16	15	15
27.5°	22	23	24	24	24	23	22	21	19	18	16
25°	29	30	32	32	32	30	29	26	23	21	19
22.5°	40	43	45	46	45	43	40	35	30	26	23
20°	59	66	71	73	71	66	59	49	41	33	28
17.5°	96	115	127	131	127	115	96	72	58	44	34
15°	182	245	284	298	284	245	182	120	86	61	44
12.5°	353	486	571	601	571	486	353	234	129	86	58
10°	604	785	904	946	904	785	604	406	234	120	72
7.5°	864	1080	1220	1269	1220	1080	864	604	353	182	96
5°	1080	1321	1456	1498	1456	1321	1080	785	486	245	115
2.5°	1220	1456	1541	1539	1541	1456	1220	904	571	284	127
0°	1269	1498	1539	1507	1539	1498	1269	946	601	298	131
-2.5°	1220	1456	1541	1539	1541	1456	1220	904	571	284	127
-5°	1080	1321	1456	1498	1456	1321	1080	785	486	245	115
-7.5°	864	1080	1220	1269	1220	1080	864	604	353	182	96
-10°	604	785	904	946	904	785	604	406	234	120	72
-12.5°	353	486	571	601	571	486	353	234	129	86	58
-15°	182	245	284	298	284	245	182	120	86	61	44
-17.5°	96	115	127	131	127	115	96	72	58	44	34
-20°	59	66	71	73	71	66	59	49	41	33	28



REPORT NUMBER: P246968 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 206-8LED3010-12-XX-OSL

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	40	43	45	46	45	43	40	35	30	26	23
-25°	29	30	32	32	32	30	29	26	23	21	19
-27.5°	22	23	24	24	24	23	22	21	19	18	16
-30°	18	19	19	20	19	19	18	17	16	15	15
-32.5°	15	16	16	16	16	16	15	15	15	14	13
-35°	13	14	14	14	14	14	13	13	12	11	11
-37.5°	11	11	11	12	11	11	11	11	10	10	9
-40°	9	10	10	10	10	10	9	9	9	8	8
-42.5°	8	8	8	8	8	8	8	8	7	7	7
-45°	7	7	7	7	7	7	7	7	7	6	6
-47.5°	6	6	6	6	6	6	6	6	5	5	4
-50°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	3	3	3	4	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	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: P246968 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 206-8LED3010-12-XX-OSL

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°	2	2	1	1	1	1	0	0	0	0	0
52.5°	3	2	2	2	2	1	1	0	0	0	0
50°	3	3	3	3	2	2	2	1	1	0	0
47.5°	4	4	4	3	3	3	2	2	1	1	0
45°	6	5	4	4	4	3	3	2	2	1	1
42.5°	7	6	6	5	4	4	3	3	2	2	1
40°	7	7	7	6	6	5	4	3	3	2	2
37.5°	9	8	7	7	7	6	5	4	3	3	2
35°	10	9	8	8	7	7	6	5	4	3	3
32.5°	11	11	10	9	8	7	7	6	5	4	3
30°	14	12	11	10	9	8	7	7	6	4	4
27.5°	15	14	13	11	10	9	8	7	6	5	4
25°	17	16	14	13	11	10	8	7	7	6	4
22.5°	20	18	16	14	12	11	9	8	7	6	5
20°	23	20	17	15	14	11	10	9	7	7	6
17.5°	28	23	19	16	15	13	11	9	8	7	6
15°	33	26	21	18	15	14	11	10	8	7	6
12.5°	41	30	23	19	16	15	12	10	9	7	7
10°	49	35	26	21	17	15	13	11	9	8	7
7.5°	59	40	29	22	18	15	13	11	9	8	7
5°	66	43	30	23	19	16	14	11	10	8	7
2.5°	71	45	32	24	19	16	14	11	10	8	7
0°	73	46	32	24	20	16	14	12	10	8	7
-2.5°	71	45	32	24	19	16	14	11	10	8	7
-5°	66	43	30	23	19	16	14	11	10	8	7
-7.5°	59	40	29	22	18	15	13	11	9	8	7
-10°	49	35	26	21	17	15	13	11	9	8	7
-12.5°	41	30	23	19	16	15	12	10	9	7	7
-15°	33	26	21	18	15	14	11	10	8	7	6
-17.5°	28	23	19	16	15	13	11	9	8	7	6
-20°	23	20	17	15	14	11	10	9	7	7	6



REPORT NUMBER: P246968 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	20	18	16	14	12	11	9	8	7	6	5
-25°	17	16	14	13	11	10	8	7	7	6	4
-27.5°	15	14	13	11	10	9	8	7	6	5	4
-30°	14	12	11	10	9	8	7	7	6	4	4
-32.5°	11	11	10	9	8	7	7	6	5	4	3
-35°	10	9	8	8	7	7	6	5	4	3	3
-37.5°	9	8	7	7	7	6	5	4	3	3	2
-40°	7	7	7	6	6	5	4	3	3	2	2
-42.5°	7	6	6	5	4	4	3	3	2	2	1
-45°	6	5	4	4	4	3	3	2	2	1	1
-47.5°	4	4	4	3	3	3	2	2	1	1	0
-50°	3	3	3	3	2	2	2	1	1	0	0
-52.5°	3	2	2	2	2	1	1	0	0	0	0
-55°	2	2	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: P246968 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 206-8LED3010-12-XX-OSL

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°	2	1	0	0	0	0	0	0	0	0	0
35°	2	2	1	0	0	0	0	0	0	0	0
32.5°	3	2	1	1	0	0	0	0	0	0	0
30°	3	2	2	1	0	0	0	0	0	0	0
27.5°	3	3	2	1	0	0	0	0	0	0	0
25°	4	3	2	1	1	0	0	0	0	0	0
22.5°	4	3	2	2	1	0	0	0	0	0	0
20°	4	3	3	2	1	0	0	0	0	0	0
17.5°	4	4	3	2	1	0	0	0	0	0	0
15°	5	4	3	2	1	0	0	0	0	0	0
12.5°	5	4	3	2	1	1	0	0	0	0	0
10°	6	4	3	2	2	1	0	0	0	0	0
7.5°	6	4	3	3	2	1	0	0	0	0	0
5°	6	4	3	3	2	1	0	0	0	0	0
2.5°	6	4	3	3	2	1	0	0	0	0	0
0°	6	4	4	3	2	1	0	0	0	0	0
-2.5°	6	4	3	3	2	1	0	0	0	0	0
-5°	6	4	3	3	2	1	0	0	0	0	0
-7.5°	6	4	3	3	2	1	0	0	0	0	0
-10°	6	4	3	2	2	1	0	0	0	0	0
-12.5°	5	4	3	2	1	1	0	0	0	0	0
-15°	5	4	3	2	1	0	0	0	0	0	0
-17.5°	4	4	3	2	1	0	0	0	0	0	0
-20°	4	3	3	2	1	0	0	0	0	0	0



REPORT NUMBER: P246968 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 206-8LED3010-12-XX-OSL

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4	3	2	2	1	0	0	0	0	0	0
-25°	4	3	2	1	1	0	0	0	0	0	0
-27.5°	3	3	2	1	0	0	0	0	0	0	0
-30°	3	2	2	1	0	0	0	0	0	0	0
-32.5°	3	2	1	1	0	0	0	0	0	0	0
-35°	2	2	1	0	0	0	0	0	0	0	0
-37.5°	2	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: P246968 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 206-8LED3010-12-XX-OSL

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: P246968 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 206-8LED3010-12-XX-OSL

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)