

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: P246977 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED3025-12-BK-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246977 (CONVERTED FROM TYPE C PHOTOMETRY)
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-31)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-8LED3025-12-BK-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 95 CRI LED
SM16-07-25D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

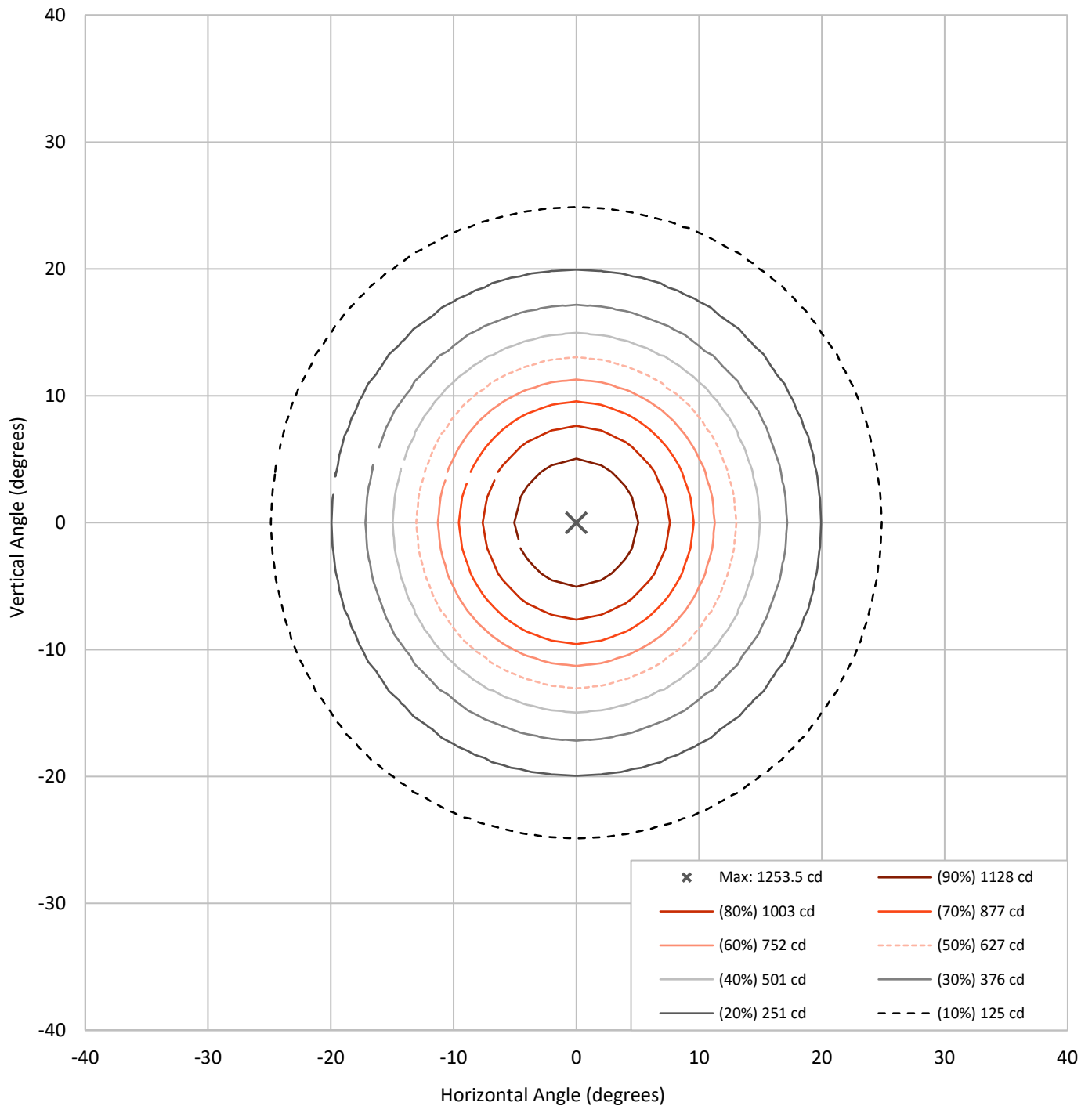
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	305.5 lumens	Max Intensity:	1253.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	38.7 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	26°H x 26°V	Field Angle (10%):	49.5°H x 49.5°V
Beam Lumens:	149.6 lumens	Field Lumens:	271.1 lumens
Beam Efficiency:	49.0%	Field Efficiency:	88.7%
Input Watts (W):	7.9		
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		



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CATALOG NUMBER: 203-8LED3025-12-BK-OSL

Iso-Candela Plot



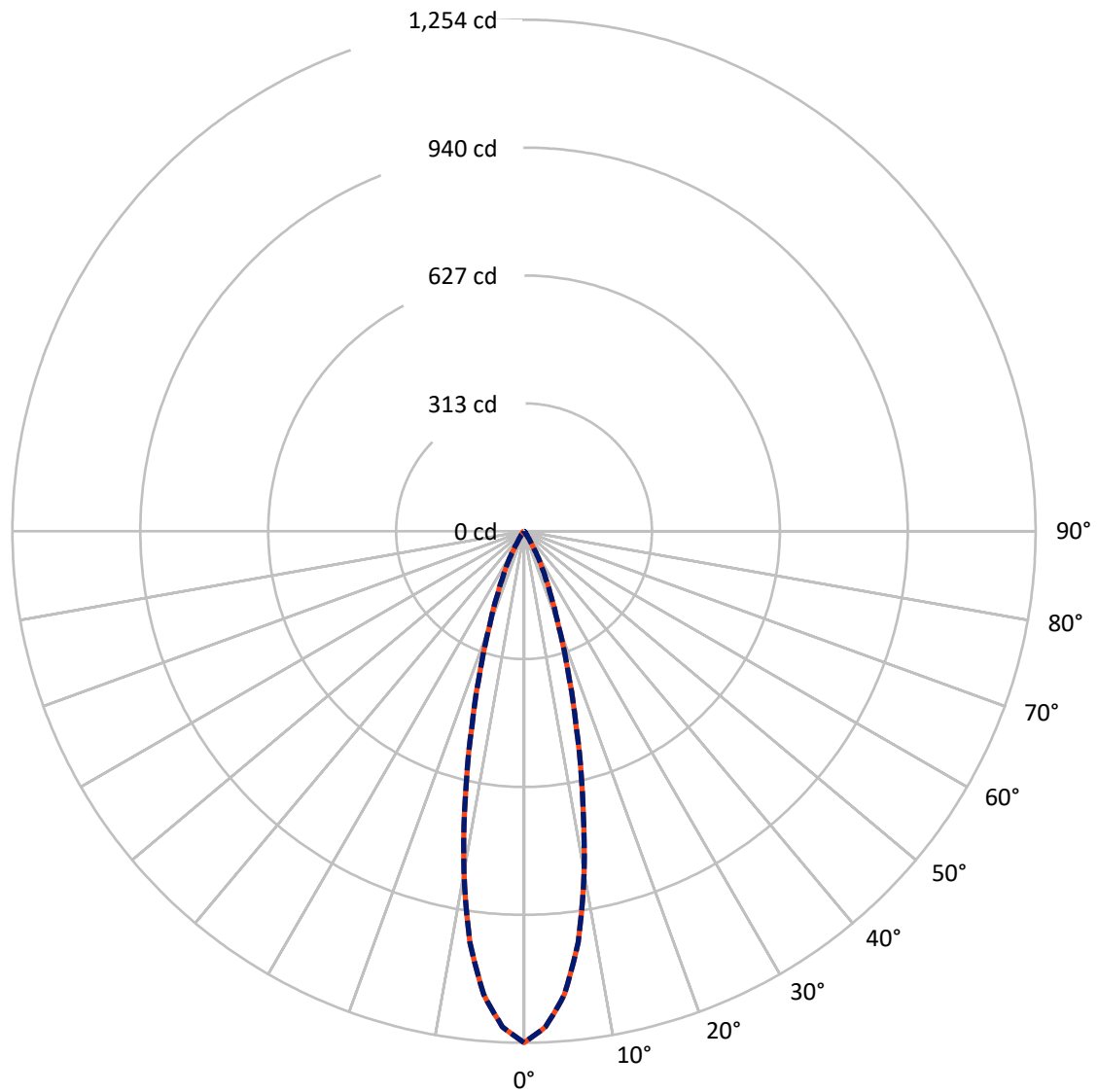
REPORT NUMBER: P246977 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.0															
80	0.0															
70	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	0.0	0.0
50	0.0															
40	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	0.0	0.0
30	0.0															
20	0.0	0.0	0.0	0.1	0.5	1.9	3.6	3.6	1.9	0.5	0.1	0.0	0.0	0.0	0.0	0.0
10	0.0															
0	0.0	0.0	0.1	0.4	3.3	13.3	29.5	29.5	13.3	3.3	0.4	0.1	0.0	0.0	0.0	0.0
-10	0.0															
-20	0.0	0.0	0.0	0.2	1.8	6.6	13.7	13.7	6.6	1.8	0.2	0.0	0.0	0.0	0.0	0.0
-30	0.0															
-40	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0
-50	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	0.0	0.0
-70	0.0															
-80	0.0															
-90	0.0															

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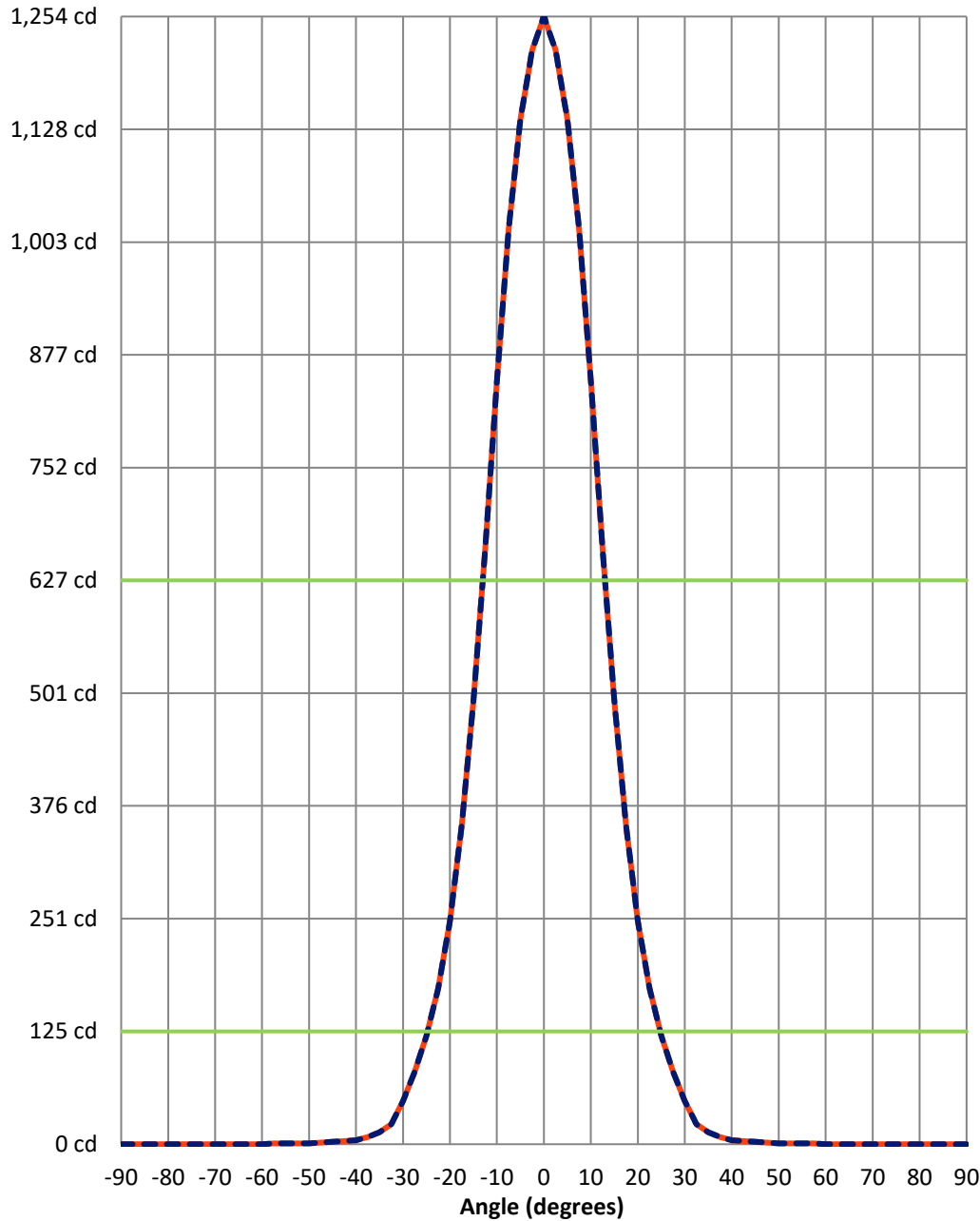
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
H Angle: 26°
V Angle: 26°
Lumens: 149.6
Efficiency: 49.0%

Field:
H Angle: 49.5°
V Angle: 49.5°
Lumens: 271.1
Efficiency: 88.7%

Spill:
Lumens: 34.4
Efficiency: 11.3%

— 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: P246977 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-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: P246977 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-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	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	1
45°	0	0	0	0	0	0	0	0	1	1	1
42.5°	0	0	0	0	0	0	0	1	1	1	1
40°	0	0	0	0	0	0	0	1	1	1	1
37.5°	0	0	0	0	0	0	1	1	1	1	1
35°	0	0	0	0	0	1	1	1	1	1	1
32.5°	0	0	0	0	0	1	1	1	1	1	2
30°	0	0	0	0	1	1	1	1	1	1	2
27.5°	0	0	0	0	1	1	1	1	1	2	3
25°	0	0	0	0	1	1	1	1	2	2	3
22.5°	0	0	0	1	1	1	1	1	2	3	3
20°	0	0	0	1	1	1	1	1	2	3	4
17.5°	0	0	0	1	1	1	1	2	3	3	4
15°	0	0	0	1	1	1	1	2	3	4	4
12.5°	0	0	1	1	1	1	1	2	3	4	6
10°	0	0	1	1	1	1	2	2	3	4	6
7.5°	0	0	1	1	1	1	2	3	3	4	7
5°	0	0	1	1	1	1	2	3	3	4	8
2.5°	0	0	1	1	1	1	2	3	3	4	8
0°	0	0	1	1	1	1	2	3	4	4	8
-2.5°	0	0	1	1	1	1	2	3	3	4	8
-5°	0	0	1	1	1	1	2	3	3	4	8
-7.5°	0	0	1	1	1	1	2	3	3	4	7
-10°	0	0	1	1	1	1	2	2	3	4	6
-12.5°	0	0	1	1	1	1	1	2	3	4	6
-15°	0	0	0	1	1	1	1	2	3	4	4
-17.5°	0	0	0	1	1	1	1	2	3	3	4
-20°	0	0	0	1	1	1	1	1	2	3	4



REPORT NUMBER: P246977 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-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	0	1	1	1	1	1	2	3	3
-25°	0	0	0	0	1	1	1	1	2	2	3
-27.5°	0	0	0	0	1	1	1	1	1	2	3
-30°	0	0	0	0	1	1	1	1	1	1	2
-32.5°	0	0	0	0	0	1	1	1	1	1	2
-35°	0	0	0	0	0	1	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	0	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	0	1	1	1
-47.5°	0	0	0	0	0	0	0	0	0	0	1
-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: P246977 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-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	0	0
57.5°	0	0	0	0	0	0	0	0	0	1	1
55°	0	0	0	0	0	1	1	1	1	1	1
52.5°	0	0	1	1	1	1	1	1	1	1	1
50°	1	1	1	1	1	1	1	1	1	1	1
47.5°	1	1	1	1	1	1	1	1	1	1	2
45°	1	1	1	1	1	1	1	2	2	2	2
42.5°	1	1	1	1	2	2	2	3	3	3	3
40°	1	1	1	2	2	3	3	3	4	4	4
37.5°	1	2	2	3	3	3	4	4	4	6	6
35°	2	2	3	3	4	4	5	6	8	9	11
32.5°	2	3	3	4	4	6	8	10	12	15	17
30°	3	3	4	5	7	9	12	16	20	25	33
27.5°	3	4	5	7	10	13	19	25	37	48	59
25°	4	4	7	10	14	20	31	46	62	77	91
22.5°	4	6	9	13	20	34	51	71	91	111	130
20°	5	8	12	19	31	51	74	98	124	151	179
17.5°	6	10	16	25	46	71	98	129	164	203	246
15°	8	12	20	37	62	91	124	164	211	270	332
12.5°	9	15	25	48	77	111	151	203	270	349	436
10°	11	17	33	59	91	130	179	246	332	436	550
7.5°	12	19	39	68	103	147	205	287	393	522	663
5°	13	21	44	75	113	161	228	322	446	594	761
2.5°	13	22	47	79	119	170	243	346	481	644	826
0°	13	22	48	81	121	173	248	354	493	661	848
-2.5°	13	22	47	79	119	170	243	346	481	644	826
-5°	13	21	44	75	113	161	228	322	446	594	761
-7.5°	12	19	39	68	103	147	205	287	393	522	663
-10°	11	17	33	59	91	130	179	246	332	436	550
-12.5°	9	15	25	48	77	111	151	203	270	349	436
-15°	8	12	20	37	62	91	124	164	211	270	332
-17.5°	6	10	16	25	46	71	98	129	164	203	246
-20°	5	8	12	19	31	51	74	98	124	151	179



REPORT NUMBER: P246977 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-OSL

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4	6	9	13	20	34	51	71	91	111	130
-25°	4	4	7	10	14	20	31	46	62	77	91
-27.5°	3	4	5	7	10	13	19	25	37	48	59
-30°	3	3	4	5	7	9	12	16	20	25	33
-32.5°	2	3	3	4	4	6	8	10	12	15	17
-35°	2	2	3	3	4	4	5	6	8	9	11
-37.5°	1	2	2	3	3	3	4	4	4	6	6
-40°	1	1	1	2	2	3	3	3	4	4	4
-42.5°	1	1	1	1	2	2	2	3	3	3	3
-45°	1	1	1	1	1	1	1	2	2	2	2
-47.5°	1	1	1	1	1	1	1	1	1	1	2
-50°	1	1	1	1	1	1	1	1	1	1	1
-52.5°	0	0	1	1	1	1	1	1	1	1	1
-55°	0	0	0	0	0	1	1	1	1	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	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: P246977 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-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°	0	0	0	0	0	0	0	0	0	0	0
57.5°	1	1	1	1	1	1	1	1	1	0	0
55°	1	1	1	1	1	1	1	1	1	1	1
52.5°	1	1	1	1	1	1	1	1	1	1	1
50°	1	1	1	1	1	1	1	1	1	1	1
47.5°	2	2	2	2	2	2	2	2	1	1	1
45°	3	3	3	3	3	3	3	2	2	2	2
42.5°	3	3	3	4	3	3	3	3	3	3	3
40°	4	4	4	4	4	4	4	4	4	4	3
37.5°	7	8	8	8	8	8	7	6	6	4	4
35°	12	13	13	13	13	13	12	11	9	8	6
32.5°	19	21	22	22	22	21	19	17	15	12	10
30°	39	44	47	48	47	44	39	33	25	20	16
27.5°	68	75	79	81	79	75	68	59	48	37	25
25°	103	113	119	121	119	113	103	91	77	62	46
22.5°	147	161	170	173	170	161	147	130	111	91	71
20°	205	228	243	248	243	228	205	179	151	124	98
17.5°	287	322	346	354	346	322	287	246	203	164	129
15°	393	446	481	493	481	446	393	332	270	211	164
12.5°	522	594	644	661	644	594	522	436	349	270	203
10°	663	761	826	848	826	761	663	550	436	332	246
7.5°	804	921	993	1017	993	921	804	663	522	393	287
5°	921	1043	1114	1139	1114	1043	921	761	594	446	322
2.5°	993	1114	1189	1216	1189	1114	993	826	644	481	346
0°	1017	1139	1216	1254	1216	1139	1017	848	661	493	354
-2.5°	993	1114	1189	1216	1189	1114	993	826	644	481	346
-5°	921	1043	1114	1139	1114	1043	921	761	594	446	322
-7.5°	804	921	993	1017	993	921	804	663	522	393	287
-10°	663	761	826	848	826	761	663	550	436	332	246
-12.5°	522	594	644	661	644	594	522	436	349	270	203
-15°	393	446	481	493	481	446	393	332	270	211	164
-17.5°	287	322	346	354	346	322	287	246	203	164	129
-20°	205	228	243	248	243	228	205	179	151	124	98



REPORT NUMBER: P246977 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-OSL

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	147	161	170	173	170	161	147	130	111	91	71
-25°	103	113	119	121	119	113	103	91	77	62	46
-27.5°	68	75	79	81	79	75	68	59	48	37	25
-30°	39	44	47	48	47	44	39	33	25	20	16
-32.5°	19	21	22	22	22	21	19	17	15	12	10
-35°	12	13	13	13	13	13	12	11	9	8	6
-37.5°	7	8	8	8	8	8	7	6	6	4	4
-40°	4	4	4	4	4	4	4	4	4	4	3
-42.5°	3	3	3	4	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	1	1	1
-50°	1	1	1	1	1	1	1	1	1	1	1
-52.5°	1	1	1	1	1	1	1	1	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	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: P246977 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-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°	0	0	0	0	0	0	0	0	0	0	0
55°	1	1	0	0	0	0	0	0	0	0	0
52.5°	1	1	1	1	1	0	0	0	0	0	0
50°	1	1	1	1	1	1	1	0	0	0	0
47.5°	1	1	1	1	1	1	1	1	0	0	0
45°	1	1	1	1	1	1	1	1	1	1	0
42.5°	2	2	2	1	1	1	1	1	1	1	1
40°	3	3	2	2	1	1	1	1	1	1	1
37.5°	4	3	3	3	2	2	1	1	1	1	1
35°	5	4	4	3	3	2	2	1	1	1	1
32.5°	8	6	4	4	3	3	2	2	1	1	1
30°	12	9	7	5	4	3	3	2	1	1	1
27.5°	19	13	10	7	5	4	3	3	2	1	1
25°	31	20	14	10	7	4	4	3	2	2	1
22.5°	51	34	20	13	9	6	4	3	3	2	1
20°	74	51	31	19	12	8	5	4	3	2	1
17.5°	98	71	46	25	16	10	6	4	3	3	2
15°	124	91	62	37	20	12	8	4	4	3	2
12.5°	151	111	77	48	25	15	9	6	4	3	2
10°	179	130	91	59	33	17	11	6	4	3	2
7.5°	205	147	103	68	39	19	12	7	4	3	3
5°	228	161	113	75	44	21	13	8	4	3	3
2.5°	243	170	119	79	47	22	13	8	4	3	3
0°	248	173	121	81	48	22	13	8	4	4	3
-2.5°	243	170	119	79	47	22	13	8	4	3	3
-5°	228	161	113	75	44	21	13	8	4	3	3
-7.5°	205	147	103	68	39	19	12	7	4	3	3
-10°	179	130	91	59	33	17	11	6	4	3	2
-12.5°	151	111	77	48	25	15	9	6	4	3	2
-15°	124	91	62	37	20	12	8	4	4	3	2
-17.5°	98	71	46	25	16	10	6	4	3	3	2
-20°	74	51	31	19	12	8	5	4	3	2	1



REPORT NUMBER: P246977 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-OSL

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	51	34	20	13	9	6	4	3	3	2	1
-25°	31	20	14	10	7	4	4	3	2	2	1
-27.5°	19	13	10	7	5	4	3	3	2	1	1
-30°	12	9	7	5	4	3	3	2	1	1	1
-32.5°	8	6	4	4	3	3	2	2	1	1	1
-35°	5	4	4	3	3	2	2	1	1	1	1
-37.5°	4	3	3	3	2	2	1	1	1	1	1
-40°	3	3	2	2	1	1	1	1	1	1	1
-42.5°	2	2	2	1	1	1	1	1	1	1	1
-45°	1	1	1	1	1	1	1	1	1	1	0
-47.5°	1	1	1	1	1	1	1	1	0	0	0
-50°	1	1	1	1	1	1	1	0	0	0	0
-52.5°	1	1	1	1	1	0	0	0	0	0	0
-55°	1	1	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: P246977 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-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°	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°	1	0	0	0	0	0	0	0	0	0	0
35°	1	1	0	0	0	0	0	0	0	0	0
32.5°	1	1	0	0	0	0	0	0	0	0	0
30°	1	1	1	0	0	0	0	0	0	0	0
27.5°	1	1	1	0	0	0	0	0	0	0	0
25°	1	1	1	0	0	0	0	0	0	0	0
22.5°	1	1	1	1	0	0	0	0	0	0	0
20°	1	1	1	1	0	0	0	0	0	0	0
17.5°	1	1	1	1	0	0	0	0	0	0	0
15°	1	1	1	1	0	0	0	0	0	0	0
12.5°	1	1	1	1	1	0	0	0	0	0	0
10°	2	1	1	1	1	0	0	0	0	0	0
7.5°	2	1	1	1	1	0	0	0	0	0	0
5°	2	1	1	1	1	0	0	0	0	0	0
2.5°	2	1	1	1	1	0	0	0	0	0	0
0°	2	1	1	1	1	0	0	0	0	0	0
-2.5°	2	1	1	1	1	0	0	0	0	0	0
-5°	2	1	1	1	1	0	0	0	0	0	0
-7.5°	2	1	1	1	1	0	0	0	0	0	0
-10°	2	1	1	1	1	0	0	0	0	0	0
-12.5°	1	1	1	1	1	0	0	0	0	0	0
-15°	1	1	1	1	0	0	0	0	0	0	0
-17.5°	1	1	1	1	0	0	0	0	0	0	0
-20°	1	1	1	1	0	0	0	0	0	0	0



REPORT NUMBER: P246977 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-OSL

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1	1	1	1	0	0	0	0	0	0	0
-25°	1	1	1	0	0	0	0	0	0	0	0
-27.5°	1	1	1	0	0	0	0	0	0	0	0
-30°	1	1	1	0	0	0	0	0	0	0	0
-32.5°	1	1	0	0	0	0	0	0	0	0	0
-35°	1	1	0	0	0	0	0	0	0	0	0
-37.5°	1	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: P246977 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-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: P246977 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED3025-12-BK-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)