

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: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-30)
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-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, HEX CELL LOUVER
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:	3H x 3V
Luminaire Lumens:	240.1 lumens	Max Intensity:	2033.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	30.0 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	16.2°H x 16.2°V	Field Angle (10%):	35.4°H x 35.4°V
Beam Lumens:	85.7 lumens	Field Lumens:	197.9 lumens
Beam Efficiency:	35.7%	Field Efficiency:	82.4%

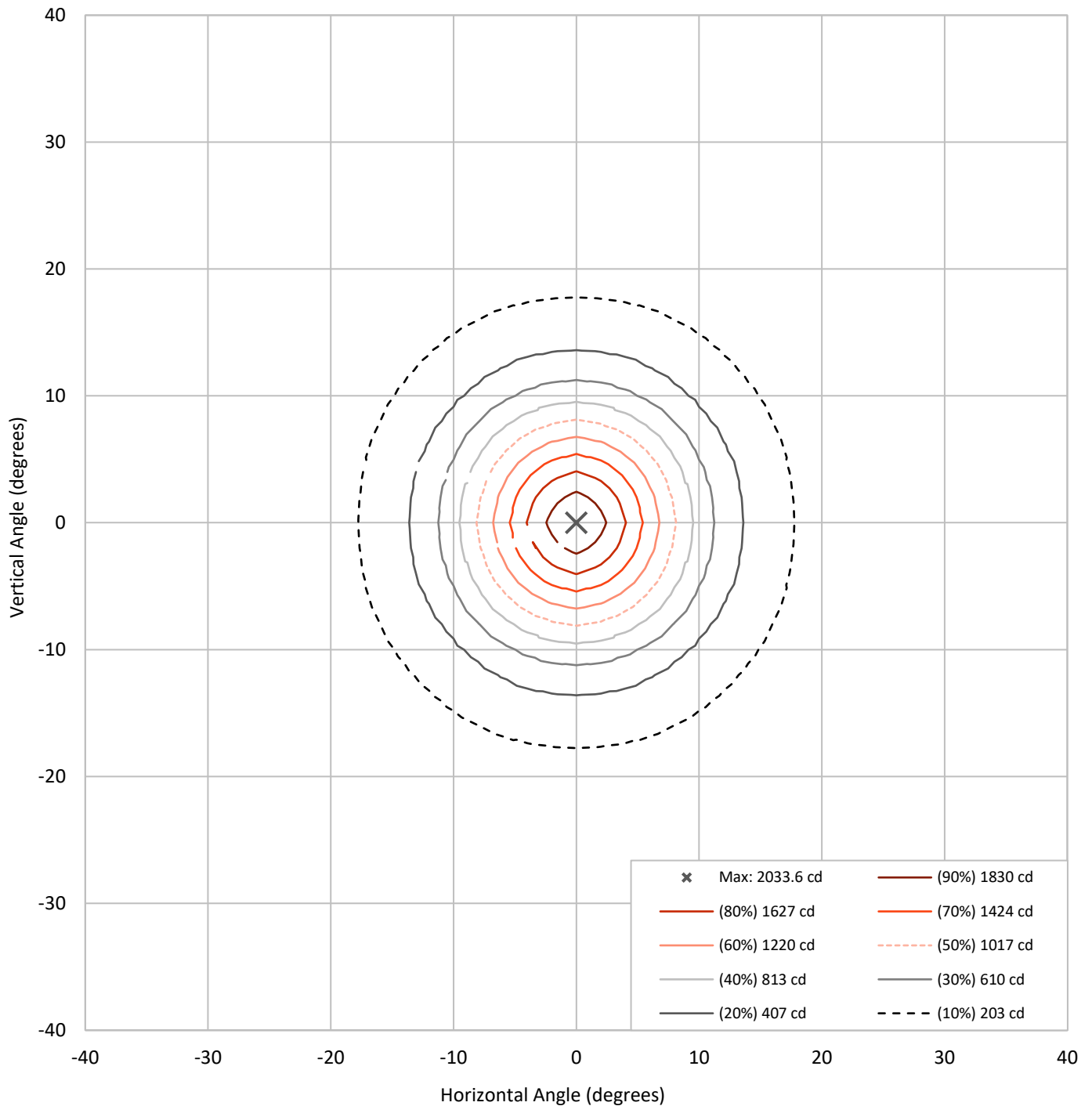
Input Watts (W): 8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Iso-Candela Plot





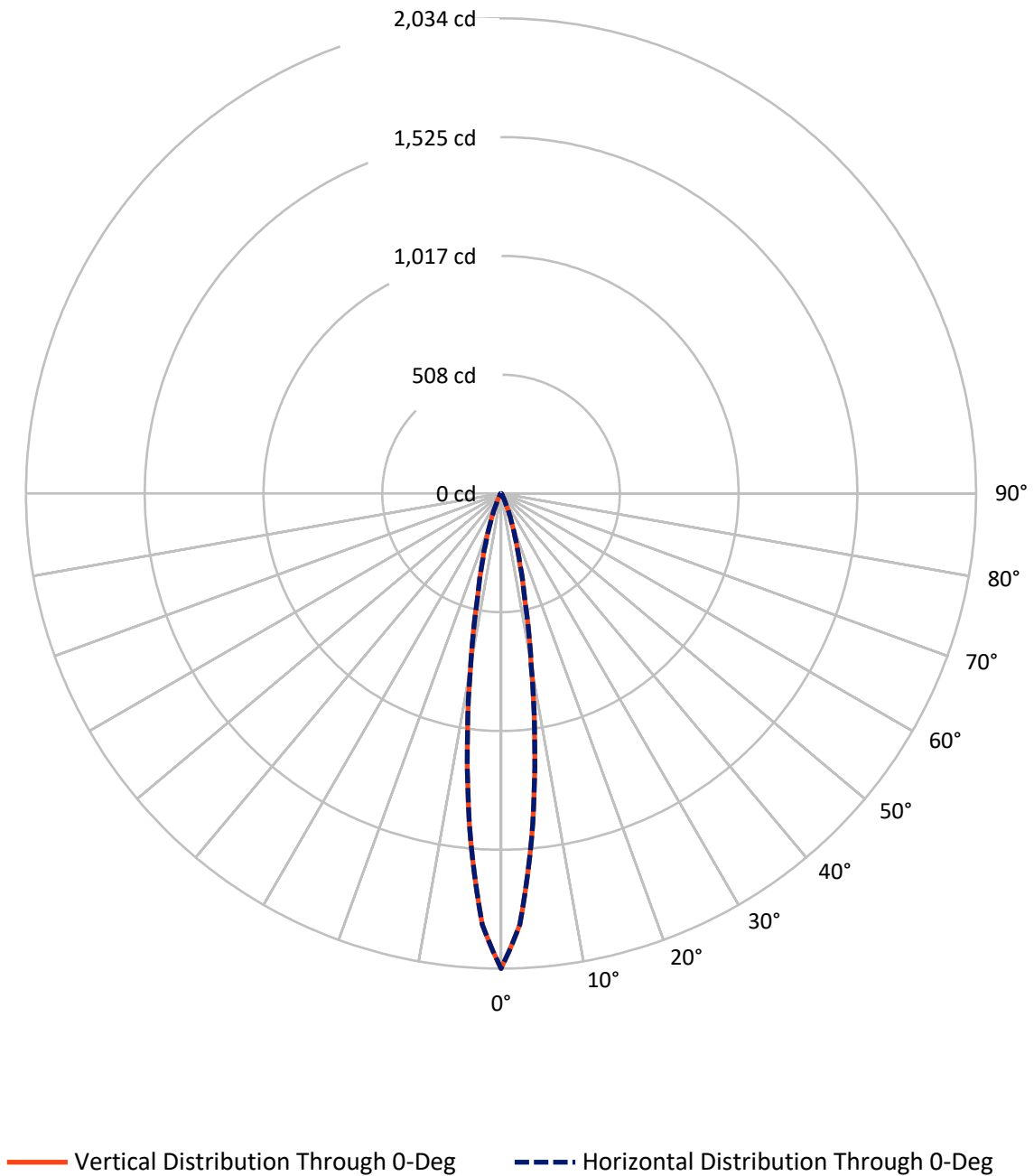
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 CATALOG NUMBER: 203-8LED3025-12-BK-LVR

Lumen Table

90	0.0															
80	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
70	0.0															
60	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		0.0		0.0		0.0	
30	0.0		0.0		0.0		0.1		0.1		0.2		0.2		0.1	
20	0.0		0.0		0.0		0.1		0.2		0.7		1.5		1.5	
10	0.0		0.0		0.0		0.1		0.7		3.6		9.1		9.1	
0	0.0		0.0		0.0		0.1		1.4		8.9		33.1		33.1	
-10	0.0		0.0		0.0		0.1		1.4		8.9		33.1		33.1	
-20	0.0		0.0		0.0		0.1		0.7		3.6		9.1		9.1	
-30	0.0		0.0		0.0		0.1		0.2		0.7		1.5		1.5	
-40	0.0		0.0		0.0		0.0		0.1		0.1		0.2		0.2	
-50	0.0															
-60	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
-70	0.0															
-80	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
-90	0.0															

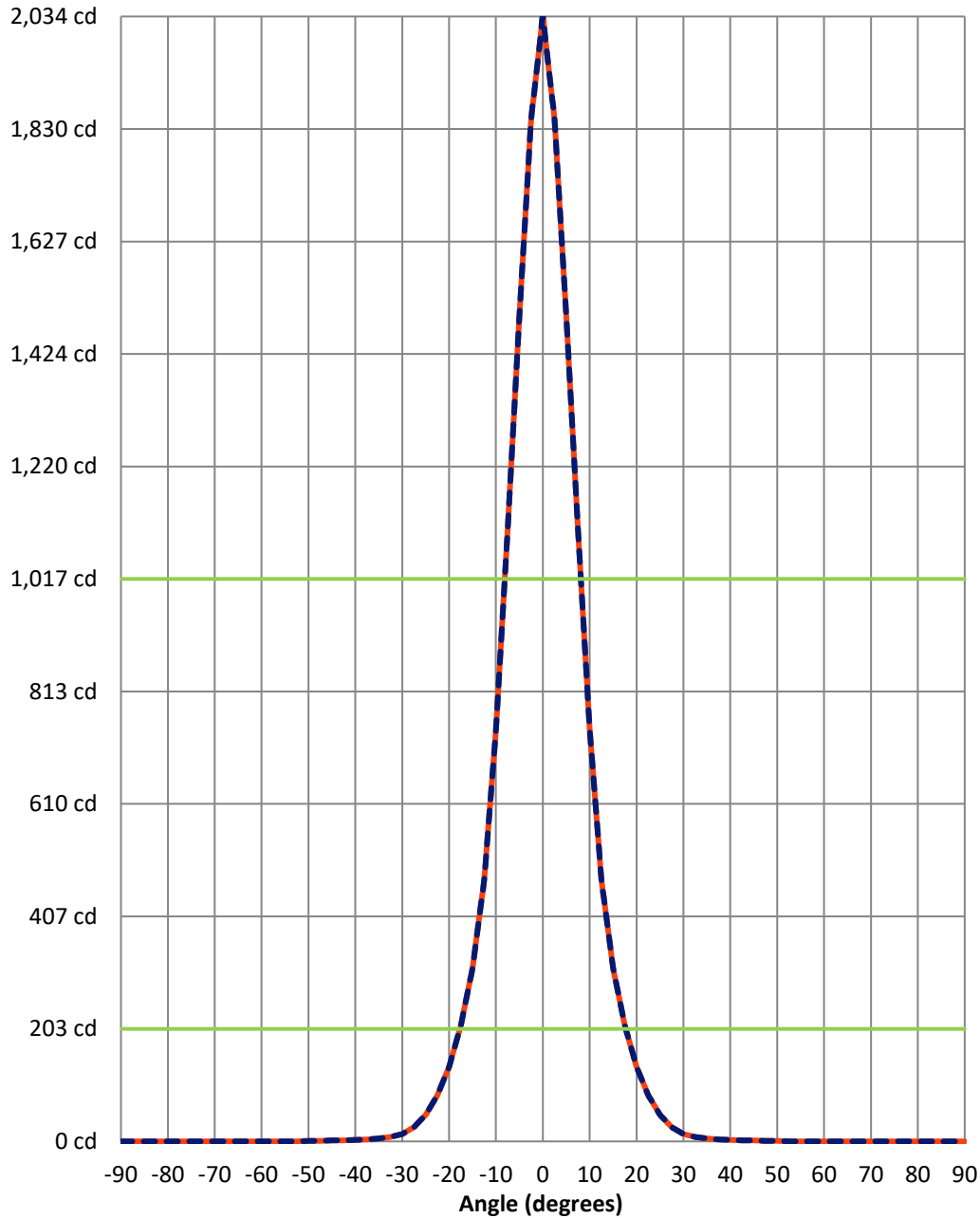
REPORT NUMBER: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED3025-12-BK-LVR

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 16.2°
V Angle: 16.2°
Lumens: 85.7
Efficiency: 35.7%

Field:
H Angle: 35.4°
V Angle: 35.4°
Lumens: 197.9
Efficiency: 82.4%

Spill:
Lumens: 42.2
Efficiency: 17.6%

— 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: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-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: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-LVR

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



REPORT NUMBER: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)

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

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	0	0	0	0	1	1	2	2
-25°	0	0	0	0	0	0	0	1	1	1	2
-27.5°	0	0	0	0	0	0	0	0	1	1	2
-30°	0	0	0	0	0	0	0	0	1	1	1
-32.5°	0	0	0	0	0	0	0	0	0	1	1
-35°	0	0	0	0	0	0	0	0	0	0	1
-37.5°	0	0	0	0	0	0	0	0	0	0	1
-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: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-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	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	1
47.5°	0	0	0	0	0	0	1	1	1	1	1
45°	0	0	0	0	1	1	1	1	1	1	1
42.5°	0	0	1	1	1	1	1	2	2	2	2
40°	0	1	1	1	1	2	2	2	2	2	2
37.5°	1	1	1	2	2	2	2	2	3	3	3
35°	1	1	2	2	2	2	3	3	3	4	4
32.5°	1	2	2	2	3	3	3	4	5	6	7
30°	2	2	2	3	3	4	5	6	7	8	10
27.5°	2	2	3	3	4	5	7	9	11	13	18
25°	2	3	3	4	6	7	10	13	19	24	32
22.5°	2	3	4	5	7	10	15	22	32	43	55
20°	3	3	5	7	10	15	23	36	51	70	88
17.5°	3	4	6	9	13	22	36	54	78	106	133
15°	3	5	7	11	19	32	51	78	112	152	195
12.5°	4	6	8	13	24	43	70	106	152	206	273
10°	4	7	10	18	32	55	88	133	195	273	370
7.5°	5	7	12	21	39	67	108	165	241	342	476
5°	5	8	13	24	44	76	123	189	280	413	618
2.5°	5	8	13	25	47	81	132	204	305	458	712
0°	5	8	13	26	48	83	135	209	313	473	745
-2.5°	5	8	13	25	47	81	132	204	305	458	712
-5°	5	8	13	24	44	76	123	189	280	413	618
-7.5°	5	7	12	21	39	67	108	165	241	342	476
-10°	4	7	10	18	32	55	88	133	195	273	370
-12.5°	4	6	8	13	24	43	70	106	152	206	273
-15°	3	5	7	11	19	32	51	78	112	152	195
-17.5°	3	4	6	9	13	22	36	54	78	106	133
-20°	3	3	5	7	10	15	23	36	51	70	88



REPORT NUMBER: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-LVR

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2	3	4	5	7	10	15	22	32	43	55
-25°	2	3	3	4	6	7	10	13	19	24	32
-27.5°	2	2	3	3	4	5	7	9	11	13	18
-30°	2	2	2	3	3	4	5	6	7	8	10
-32.5°	1	2	2	2	3	3	3	4	5	6	7
-35°	1	1	2	2	2	2	3	3	3	4	4
-37.5°	1	1	1	2	2	2	2	2	3	3	3
-40°	0	1	1	1	1	2	2	2	2	2	2
-42.5°	0	0	1	1	1	1	1	2	2	2	2
-45°	0	0	0	0	1	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	0	0	0	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: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-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°	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°	1	1	1	1	1	1	1	1	0	0	0
47.5°	1	1	1	1	1	1	1	1	1	1	1
45°	2	2	2	2	2	2	2	1	1	1	1
42.5°	2	2	2	2	2	2	2	2	2	2	2
40°	2	3	3	3	3	3	2	2	2	2	2
37.5°	3	3	3	4	3	3	3	3	3	3	2
35°	5	5	5	5	5	5	5	4	4	3	3
32.5°	7	8	8	8	8	8	7	7	6	5	4
30°	12	13	13	13	13	13	12	10	8	7	6
27.5°	21	24	25	26	25	24	21	18	13	11	9
25°	39	44	47	48	47	44	39	32	24	19	13
22.5°	67	76	81	83	81	76	67	55	43	32	22
20°	108	123	132	135	132	123	108	88	70	51	36
17.5°	165	189	204	209	204	189	165	133	106	78	54
15°	241	280	305	313	305	280	241	195	152	112	78
12.5°	342	413	458	473	458	413	342	273	206	152	106
10°	476	618	712	745	712	618	476	370	273	195	133
7.5°	681	880	1043	1106	1043	880	681	476	342	241	165
5°	880	1175	1403	1492	1403	1175	880	618	413	280	189
2.5°	1043	1403	1714	1847	1714	1403	1043	712	458	305	204
0°	1106	1492	1847	2034	1847	1492	1106	745	473	313	209
-2.5°	1043	1403	1714	1847	1714	1403	1043	712	458	305	204
-5°	880	1175	1403	1492	1403	1175	880	618	413	280	189
-7.5°	681	880	1043	1106	1043	880	681	476	342	241	165
-10°	476	618	712	745	712	618	476	370	273	195	133
-12.5°	342	413	458	473	458	413	342	273	206	152	106
-15°	241	280	305	313	305	280	241	195	152	112	78
-17.5°	165	189	204	209	204	189	165	133	106	78	54
-20°	108	123	132	135	132	123	108	88	70	51	36



REPORT NUMBER: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-LVR

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	67	76	81	83	81	76	67	55	43	32	22
-25°	39	44	47	48	47	44	39	32	24	19	13
-27.5°	21	24	25	26	25	24	21	18	13	11	9
-30°	12	13	13	13	13	13	12	10	8	7	6
-32.5°	7	8	8	8	8	8	7	7	6	5	4
-35°	5	5	5	5	5	5	5	4	4	3	3
-37.5°	3	3	3	4	3	3	3	3	3	3	2
-40°	2	3	3	3	3	3	2	2	2	2	2
-42.5°	2	2	2	2	2	2	2	2	2	2	2
-45°	2	2	2	2	2	2	2	1	1	1	1
-47.5°	1	1	1	1	1	1	1	1	1	1	1
-50°	1	1	1	1	1	1	1	1	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: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-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°	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	1	0	0	0	0	0	0	0	0
42.5°	1	1	1	1	1	0	0	0	0	0	0
40°	2	2	1	1	1	1	0	0	0	0	0
37.5°	2	2	2	2	1	1	1	1	0	0	0
35°	3	2	2	2	2	1	1	1	0	0	0
32.5°	3	3	3	2	2	2	1	1	1	0	0
30°	5	4	3	3	2	2	2	1	1	1	0
27.5°	7	5	4	3	3	2	2	2	1	1	0
25°	10	7	6	4	3	3	2	2	1	1	1
22.5°	15	10	7	5	4	3	2	2	2	1	1
20°	23	15	10	7	5	3	3	2	2	1	1
17.5°	36	22	13	9	6	4	3	2	2	2	1
15°	51	32	19	11	7	5	3	3	2	2	1
12.5°	70	43	24	13	8	6	4	3	2	2	1
10°	88	55	32	18	10	7	4	3	2	2	1
7.5°	108	67	39	21	12	7	5	3	2	2	2
5°	123	76	44	24	13	8	5	3	3	2	2
2.5°	132	81	47	25	13	8	5	3	3	2	2
0°	135	83	48	26	13	8	5	4	3	2	2
-2.5°	132	81	47	25	13	8	5	3	3	2	2
-5°	123	76	44	24	13	8	5	3	3	2	2
-7.5°	108	67	39	21	12	7	5	3	2	2	2
-10°	88	55	32	18	10	7	4	3	2	2	1
-12.5°	70	43	24	13	8	6	4	3	2	2	1
-15°	51	32	19	11	7	5	3	3	2	2	1
-17.5°	36	22	13	9	6	4	3	2	2	2	1
-20°	23	15	10	7	5	3	3	2	2	1	1



REPORT NUMBER: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-LVR

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	15	10	7	5	4	3	2	2	2	1	1
-25°	10	7	6	4	3	3	2	2	1	1	1
-27.5°	7	5	4	3	3	2	2	2	1	1	0
-30°	5	4	3	3	2	2	2	1	1	1	0
-32.5°	3	3	3	2	2	2	1	1	1	0	0
-35°	3	2	2	2	2	1	1	1	0	0	0
-37.5°	2	2	2	2	1	1	1	1	0	0	0
-40°	2	2	1	1	1	1	0	0	0	0	0
-42.5°	1	1	1	1	1	0	0	0	0	0	0
-45°	1	1	1	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: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-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°	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°	1	0	0	0	0	0	0	0	0	0	0
17.5°	1	0	0	0	0	0	0	0	0	0	0
15°	1	0	0	0	0	0	0	0	0	0	0
12.5°	1	0	0	0	0	0	0	0	0	0	0
10°	1	1	0	0	0	0	0	0	0	0	0
7.5°	1	1	0	0	0	0	0	0	0	0	0
5°	1	1	0	0	0	0	0	0	0	0	0
2.5°	1	1	0	0	0	0	0	0	0	0	0
0°	1	1	0	0	0	0	0	0	0	0	0
-2.5°	1	1	0	0	0	0	0	0	0	0	0
-5°	1	1	0	0	0	0	0	0	0	0	0
-7.5°	1	1	0	0	0	0	0	0	0	0	0
-10°	1	1	0	0	0	0	0	0	0	0	0
-12.5°	1	0	0	0	0	0	0	0	0	0	0
-15°	1	0	0	0	0	0	0	0	0	0	0
-17.5°	1	0	0	0	0	0	0	0	0	0	0
-20°	1	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-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: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-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: P246976 (CONVERTED FROM TYPE C PHOTOMETRY)

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