

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: P246978 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED3025-12-CS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246978 (CONVERTED FROM TYPE C PHOTOMETRY)
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-8)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-8LED3025-12-CS
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-25D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

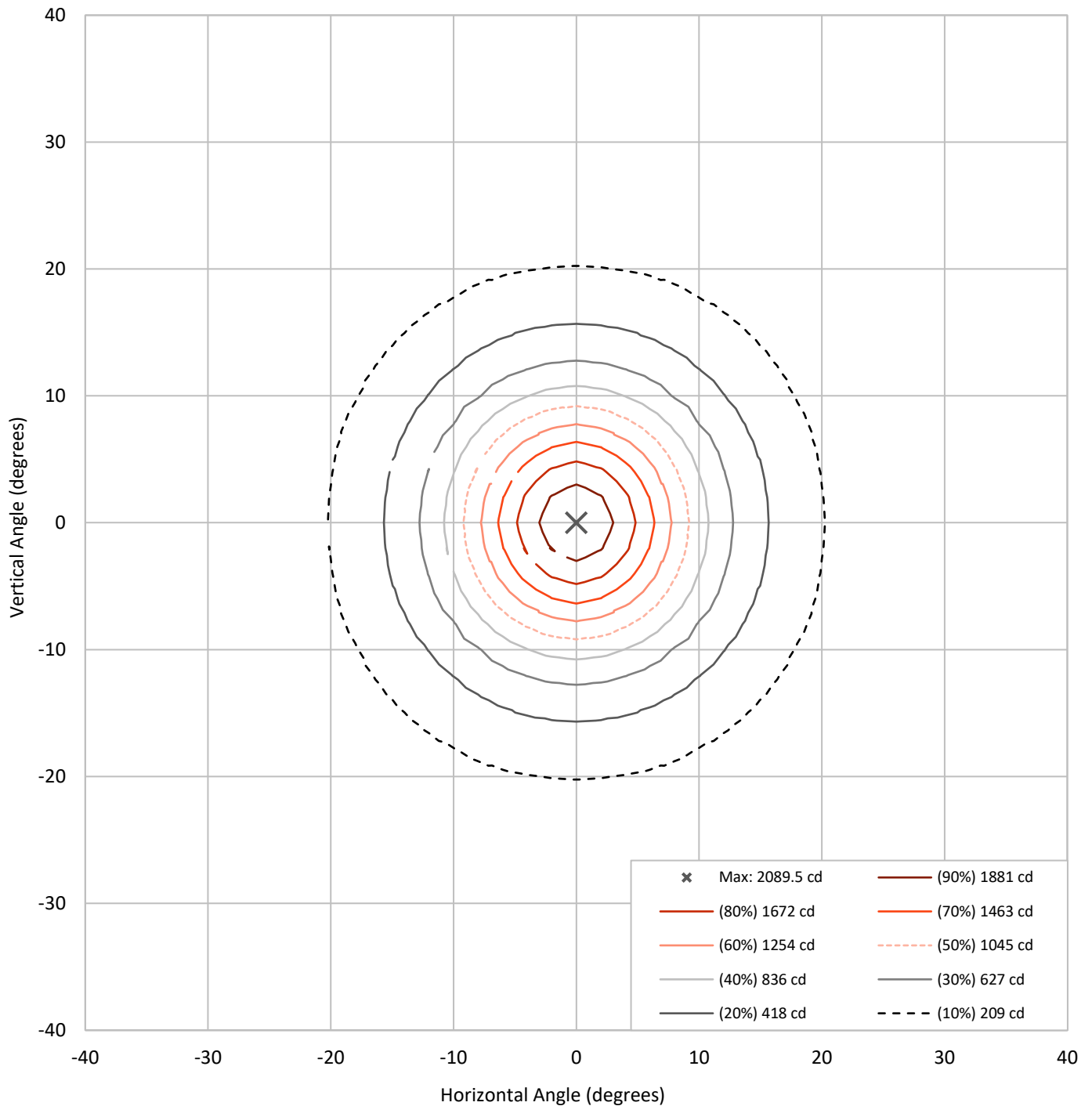
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	319.2 lumens	Max Intensity:	2089.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	43.7 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	18.4°H x 18.4°V	Field Angle (10%):	40.5°H x 40.5°V
Beam Lumens:	120.4 lumens	Field Lumens:	264.7 lumens
Beam Efficiency:	37.7%	Field Efficiency:	82.9%
Input Watts (W):	7.3		
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: P246978 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED3025-12-CS

Iso-Candela Plot





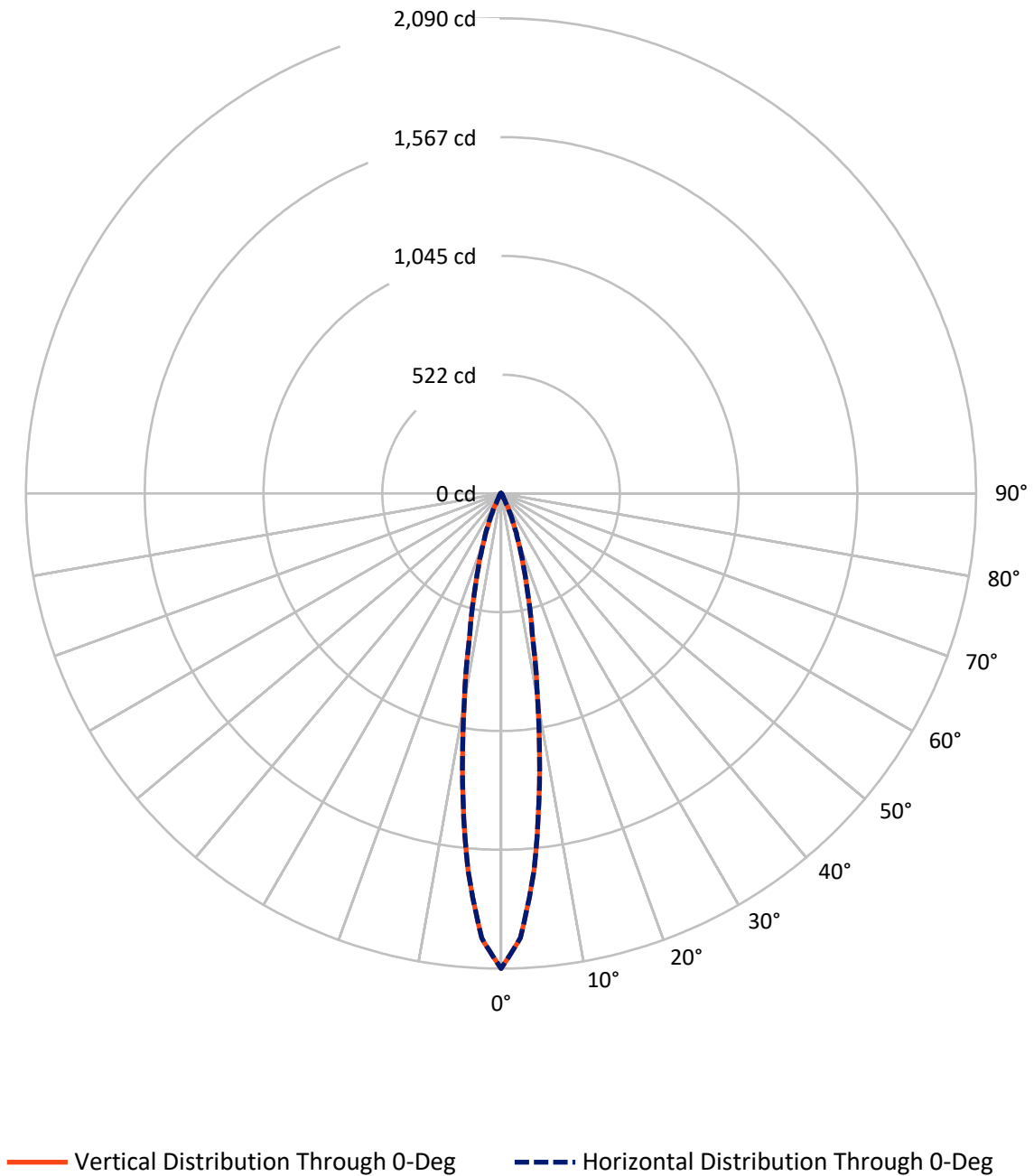
REPORT NUMBER: P246978 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

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	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0
30	0.0	0.0	0.1	0.1	0.3	1.2	2.7	2.7	1.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0
20	0.0	0.0	0.1	0.2	1.1	5.7	12.9	12.9	5.7	1.1	0.2	0.1	0.0	0.0	0.0	0.0
10	0.0	0.0	0.1	0.3	2.4	12.5	38.3	38.3	12.5	2.4	0.3	0.1	0.0	0.0	0.0	0.0
0	0.0	0.0	0.1	0.3	2.4	12.5	38.3	38.3	12.5	2.4	0.3	0.1	0.0	0.0	0.0	0.0
-10	0.0	0.0	0.1	0.3	2.4	12.5	38.3	38.3	12.5	2.4	0.3	0.1	0.0	0.0	0.0	0.0
-20	0.0	0.0	0.1	0.2	1.1	5.7	12.9	12.9	5.7	1.1	0.2	0.1	0.0	0.0	0.0	0.0
-30	0.0	0.0	0.1	0.1	0.3	1.2	2.7	2.7	1.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0
-40	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0
-50	0.0	0.0	0.0	0.1	0.1	0.1	0.1	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	0.1	0.1	0.1	0.1	0.1	0.1	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
-80	0.0															
-90	0.0															

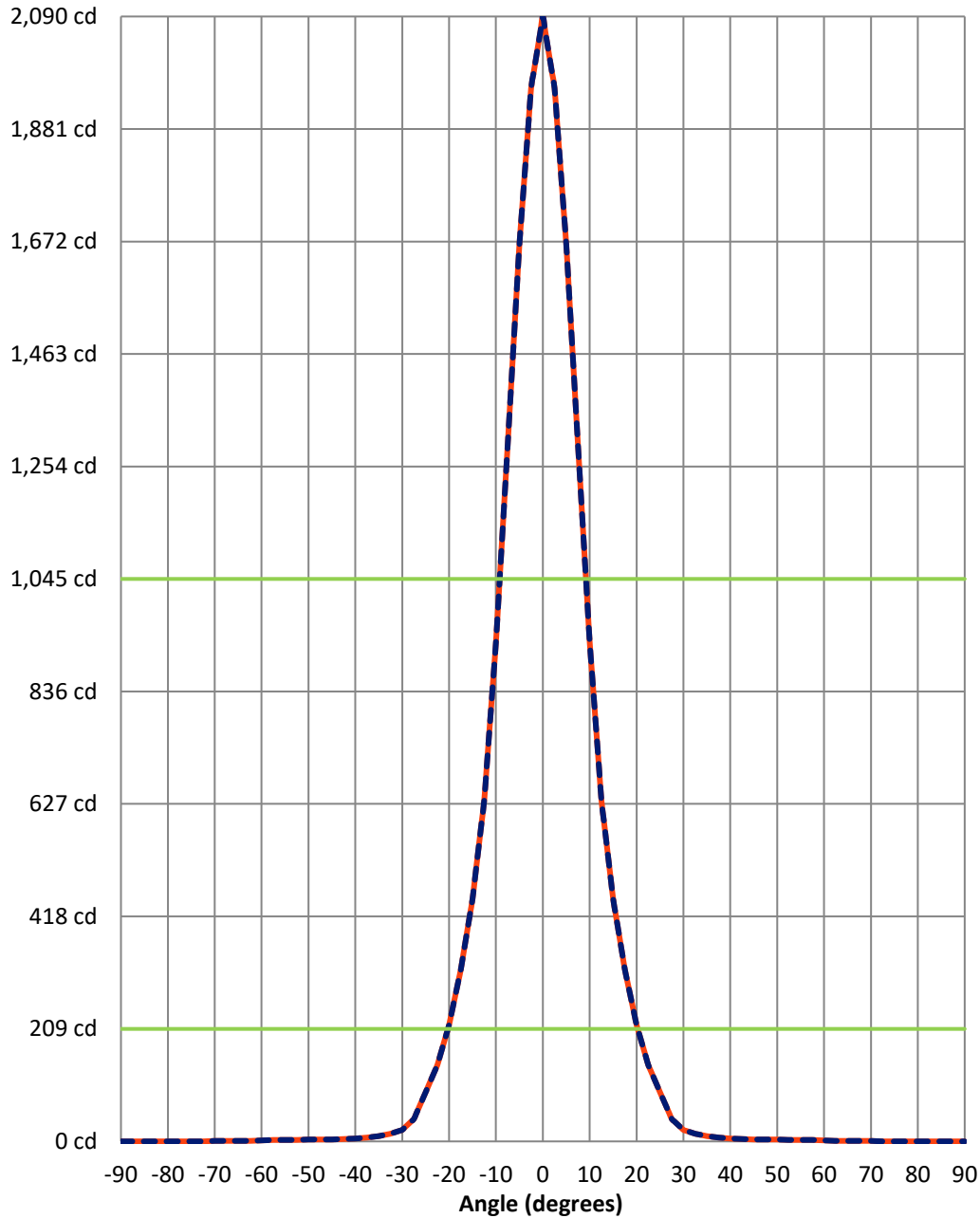
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 18.4°
V Angle: 18.4°
Lumens: 120.4
Efficiency: 37.7%

Field:
H Angle: 40.5°
V Angle: 40.5°
Lumens: 264.7
Efficiency: 82.9%

Spill:
Lumens: 54.4
Efficiency: 17.1%

— 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	1
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	0	1
30°	0	0	0	0	0	0	0	0	0	1	1
27.5°	0	0	0	0	0	0	0	0	0	1	1
25°	0	0	0	0	0	0	0	0	0	1	1
22.5°	0	0	0	0	0	0	0	0	0	1	1
20°	0	0	0	0	0	0	0	0	0	1	1
17.5°	0	0	0	0	0	0	0	0	1	1	1
15°	0	0	0	0	0	0	0	0	1	1	1
12.5°	0	0	0	0	0	0	0	0	1	1	1
10°	0	0	0	0	0	0	0	0	1	1	1
7.5°	0	0	0	0	0	0	0	0	1	1	1
5°	0	0	0	0	0	0	0	0	1	1	1
2.5°	0	0	0	0	0	0	0	0	1	1	1
0°	0	0	0	0	0	0	0	0	1	1	1
-2.5°	0	0	0	0	0	0	0	0	1	1	1
-5°	0	0	0	0	0	0	0	0	1	1	1
-7.5°	0	0	0	0	0	0	0	0	1	1	1
-10°	0	0	0	0	0	0	0	0	1	1	1
-12.5°	0	0	0	0	0	0	0	0	1	1	1
-15°	0	0	0	0	0	0	0	0	1	1	1
-17.5°	0	0	0	0	0	0	0	0	1	1	1
-20°	0	0	0	0	0	0	0	0	0	1	1



REPORT NUMBER: P246978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-CS

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	1	1
-25°	0	0	0	0	0	0	0	0	0	1	1
-27.5°	0	0	0	0	0	0	0	0	0	1	1
-30°	0	0	0	0	0	0	0	0	0	1	1
-32.5°	0	0	0	0	0	0	0	0	0	0	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	1
-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: P246978 (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	1	1
62.5°	0	0	0	0	0	0	0	1	1	1	1
60°	0	0	0	0	0	0	1	1	1	1	1
57.5°	0	0	0	0	1	1	1	1	1	1	1
55°	0	0	0	1	1	1	1	1	1	1	1
52.5°	0	0	1	1	1	1	1	1	1	1	1
50°	0	0	1	1	1	1	1	1	1	2	2
47.5°	0	1	1	1	1	1	1	1	2	2	3
45°	1	1	1	1	1	1	1	2	2	3	3
42.5°	1	1	1	1	1	1	2	2	3	3	3
40°	1	1	1	1	1	2	2	3	3	3	3
37.5°	1	1	1	1	1	2	3	3	3	3	3
35°	1	1	1	1	2	2	3	3	3	3	4
32.5°	1	1	1	1	2	3	3	3	3	4	4
30°	1	1	1	2	2	3	3	3	3	4	4
27.5°	1	1	1	2	3	3	3	3	4	4	4
25°	1	1	1	2	3	3	3	3	4	4	4
22.5°	1	1	2	3	3	3	3	4	4	4	4
20°	1	1	2	3	3	3	3	4	4	4	5
17.5°	1	1	2	3	3	3	4	4	4	4	5
15°	1	1	2	3	3	3	4	4	4	4	5
12.5°	1	2	2	3	3	3	4	4	4	5	6
10°	1	2	3	3	3	3	4	4	4	5	6
7.5°	1	2	3	3	3	3	4	4	4	5	7
5°	1	2	3	3	3	3	4	4	4	5	7
2.5°	1	2	3	3	3	3	4	4	4	5	7
0°	1	2	3	3	3	4	4	4	4	5	7
-2.5°	1	2	3	3	3	3	4	4	4	5	7
-5°	1	2	3	3	3	3	4	4	4	5	7
-7.5°	1	2	3	3	3	3	4	4	4	5	7
-10°	1	2	3	3	3	3	4	4	4	5	6
-12.5°	1	2	2	3	3	3	4	4	4	5	6
-15°	1	1	2	3	3	3	4	4	4	4	5
-17.5°	1	1	2	3	3	3	4	4	4	4	5
-20°	1	1	2	3	3	3	3	4	4	4	5



REPORT NUMBER: P246978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-CS

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1	1	2	3	3	3	3	4	4	4	4
-25°	1	1	1	2	3	3	3	3	4	4	4
-27.5°	1	1	1	2	3	3	3	3	4	4	4
-30°	1	1	1	2	2	3	3	3	3	4	4
-32.5°	1	1	1	1	2	3	3	3	3	4	4
-35°	1	1	1	1	2	2	3	3	3	3	4
-37.5°	1	1	1	1	1	2	3	3	3	3	3
-40°	1	1	1	1	1	2	2	3	3	3	3
-42.5°	1	1	1	1	1	1	2	2	3	3	3
-45°	1	1	1	1	1	1	1	2	2	3	3
-47.5°	0	1	1	1	1	1	1	1	2	2	3
-50°	0	0	1	1	1	1	1	1	1	2	2
-52.5°	0	0	1	1	1	1	1	1	1	1	1
-55°	0	0	0	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	1	1	1	1	1
-62.5°	0	0	0	0	0	0	0	1	1	1	1
-65°	0	0	0	0	0	0	0	0	0	1	1
-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: P246978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-CS

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	1	1	1	1
67.5°	0	0	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	2	2
57.5°	1	1	1	1	1	2	2	2	2	2	3
55°	1	1	2	2	2	3	3	3	3	3	3
52.5°	2	2	2	3	3	3	3	3	3	3	3
50°	2	3	3	3	3	3	3	3	3	3	3
47.5°	3	3	3	3	3	3	3	4	4	4	4
45°	3	3	3	3	3	4	4	4	4	4	4
42.5°	3	3	3	4	4	4	4	4	4	4	4
40°	3	4	4	4	4	4	4	4	4	5	5
37.5°	4	4	4	4	4	4	5	5	5	6	6
35°	4	4	4	4	5	5	6	6	7	8	8
32.5°	4	4	4	5	5	6	7	8	9	11	12
30°	4	4	5	5	7	8	9	11	13	15	17
27.5°	4	5	5	7	8	10	12	15	18	21	28
25°	5	5	7	8	10	13	17	21	30	39	55
22.5°	5	6	8	10	13	17	23	36	55	80	101
20°	6	7	9	12	17	23	38	65	95	123	149
17.5°	6	8	11	15	21	36	65	100	134	175	214
15°	7	9	13	18	30	55	95	134	184	240	300
12.5°	8	11	15	21	39	80	123	175	240	315	400
10°	8	12	17	28	55	101	149	214	300	400	516
7.5°	9	13	19	34	71	118	177	258	359	484	636
5°	9	14	20	38	82	131	199	291	409	564	790
2.5°	10	14	21	41	89	139	212	312	440	616	892
0°	10	14	21	42	91	142	216	319	450	634	927
-2.5°	10	14	21	41	89	139	212	312	440	616	892
-5°	9	14	20	38	82	131	199	291	409	564	790
-7.5°	9	13	19	34	71	118	177	258	359	484	636
-10°	8	12	17	28	55	101	149	214	300	400	516
-12.5°	8	11	15	21	39	80	123	175	240	315	400
-15°	7	9	13	18	30	55	95	134	184	240	300
-17.5°	6	8	11	15	21	36	65	100	134	175	214
-20°	6	7	9	12	17	23	38	65	95	123	149



REPORT NUMBER: P246978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-CS

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5	6	8	10	13	17	23	36	55	80	101
-25°	5	5	7	8	10	13	17	21	30	39	55
-27.5°	4	5	5	7	8	10	12	15	18	21	28
-30°	4	4	5	5	7	8	9	11	13	15	17
-32.5°	4	4	4	5	5	6	7	8	9	11	12
-35°	4	4	4	4	5	5	6	6	7	8	8
-37.5°	4	4	4	4	4	4	5	5	5	6	6
-40°	3	4	4	4	4	4	4	4	4	5	5
-42.5°	3	3	3	4	4	4	4	4	4	4	4
-45°	3	3	3	3	3	4	4	4	4	4	4
-47.5°	3	3	3	3	3	3	3	4	4	4	4
-50°	2	3	3	3	3	3	3	3	3	3	3
-52.5°	2	2	2	3	3	3	3	3	3	3	3
-55°	1	1	2	2	2	3	3	3	3	3	3
-57.5°	1	1	1	1	1	2	2	2	2	2	3
-60°	1	1	1	1	1	1	1	1	1	2	2
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	0	0	1	1	1	1	1	1	1	1	1
-70°	0	0	0	0	0	0	0	1	1	1	1
-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: P246978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-CS

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°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	2	2	2	2	2	2	2	2	2	1	1
57.5°	3	3	3	3	3	3	3	3	2	2	2
55°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	3	3	3	3	3	3	3	3
50°	3	3	3	4	3	3	3	3	3	3	3
47.5°	4	4	4	4	4	4	4	4	4	4	4
45°	4	4	4	4	4	4	4	4	4	4	4
42.5°	4	4	4	4	4	4	4	4	4	4	4
40°	5	5	5	5	5	5	5	5	5	4	4
37.5°	7	7	7	7	7	7	7	6	6	5	5
35°	9	9	10	10	10	9	9	8	8	7	6
32.5°	13	14	14	14	14	14	13	12	11	9	8
30°	19	20	21	21	21	20	19	17	15	13	11
27.5°	34	38	41	42	41	38	34	28	21	18	15
25°	71	82	89	91	89	82	71	55	39	30	21
22.5°	118	131	139	142	139	131	118	101	80	55	36
20°	177	199	212	216	212	199	177	149	123	95	65
17.5°	258	291	312	319	312	291	258	214	175	134	100
15°	359	409	440	450	440	409	359	300	240	184	134
12.5°	484	564	616	634	616	564	484	400	315	240	175
10°	636	790	892	927	892	790	636	516	400	300	214
7.5°	858	1070	1231	1293	1231	1070	858	636	484	359	258
5°	1070	1360	1581	1666	1581	1360	1070	790	564	409	291
2.5°	1231	1581	1851	1957	1851	1581	1231	892	616	440	312
0°	1293	1666	1957	2090	1957	1666	1293	927	634	450	319
-2.5°	1231	1581	1851	1957	1851	1581	1231	892	616	440	312
-5°	1070	1360	1581	1666	1581	1360	1070	790	564	409	291
-7.5°	858	1070	1231	1293	1231	1070	858	636	484	359	258
-10°	636	790	892	927	892	790	636	516	400	300	214
-12.5°	484	564	616	634	616	564	484	400	315	240	175
-15°	359	409	440	450	440	409	359	300	240	184	134
-17.5°	258	291	312	319	312	291	258	214	175	134	100
-20°	177	199	212	216	212	199	177	149	123	95	65



REPORT NUMBER: P246978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-CS

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	118	131	139	142	139	131	118	101	80	55	36
-25°	71	82	89	91	89	82	71	55	39	30	21
-27.5°	34	38	41	42	41	38	34	28	21	18	15
-30°	19	20	21	21	21	20	19	17	15	13	11
-32.5°	13	14	14	14	14	14	13	12	11	9	8
-35°	9	9	10	10	10	9	9	8	8	7	6
-37.5°	7	7	7	7	7	7	7	6	6	5	5
-40°	5	5	5	5	5	5	5	5	5	4	4
-42.5°	4	4	4	4	4	4	4	4	4	4	4
-45°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	4	4
-50°	3	3	3	4	3	3	3	3	3	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	2	2	2
-60°	2	2	2	2	2	2	2	2	2	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-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: P246978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-CS

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°	1	1	1	1	1	0	0	0	0	0	0
65°	1	1	1	1	1	1	1	1	1	0	0
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	2	2	1	1	1	1	1	1	1	1	1
55°	3	3	2	2	2	1	1	1	1	1	1
52.5°	3	3	3	3	2	2	2	1	1	1	1
50°	3	3	3	3	3	3	2	2	2	1	1
47.5°	3	3	3	3	3	3	3	3	2	2	1
45°	4	4	3	3	3	3	3	3	3	2	2
42.5°	4	4	4	4	3	3	3	3	3	3	2
40°	4	4	4	4	4	4	3	3	3	3	3
37.5°	5	4	4	4	4	4	4	3	3	3	3
35°	6	5	5	4	4	4	4	4	3	3	3
32.5°	7	6	5	5	4	4	4	4	4	3	3
30°	9	8	7	5	5	4	4	4	4	3	3
27.5°	12	10	8	7	5	5	4	4	4	4	3
25°	17	13	10	8	7	5	5	4	4	4	3
22.5°	23	17	13	10	8	6	5	4	4	4	4
20°	38	23	17	12	9	7	6	5	4	4	4
17.5°	65	36	21	15	11	8	6	5	4	4	4
15°	95	55	30	18	13	9	7	5	4	4	4
12.5°	123	80	39	21	15	11	8	6	5	4	4
10°	149	101	55	28	17	12	8	6	5	4	4
7.5°	177	118	71	34	19	13	9	7	5	4	4
5°	199	131	82	38	20	14	9	7	5	4	4
2.5°	212	139	89	41	21	14	10	7	5	4	4
0°	216	142	91	42	21	14	10	7	5	4	4
-2.5°	212	139	89	41	21	14	10	7	5	4	4
-5°	199	131	82	38	20	14	9	7	5	4	4
-7.5°	177	118	71	34	19	13	9	7	5	4	4
-10°	149	101	55	28	17	12	8	6	5	4	4
-12.5°	123	80	39	21	15	11	8	6	5	4	4
-15°	95	55	30	18	13	9	7	5	4	4	4
-17.5°	65	36	21	15	11	8	6	5	4	4	4
-20°	38	23	17	12	9	7	6	5	4	4	4



REPORT NUMBER: P246978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-CS

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	23	17	13	10	8	6	5	4	4	4	4
-25°	17	13	10	8	7	5	5	4	4	4	3
-27.5°	12	10	8	7	5	5	4	4	4	4	3
-30°	9	8	7	5	5	4	4	4	4	3	3
-32.5°	7	6	5	5	4	4	4	4	4	3	3
-35°	6	5	5	4	4	4	4	4	3	3	3
-37.5°	5	4	4	4	4	4	4	3	3	3	3
-40°	4	4	4	4	4	4	3	3	3	3	3
-42.5°	4	4	4	4	3	3	3	3	3	3	2
-45°	4	4	3	3	3	3	3	3	3	2	2
-47.5°	3	3	3	3	3	3	3	3	2	2	1
-50°	3	3	3	3	3	3	2	2	2	1	1
-52.5°	3	3	3	3	2	2	2	1	1	1	1
-55°	3	3	2	2	2	1	1	1	1	1	1
-57.5°	2	2	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	1
-65°	1	1	1	1	1	1	1	1	1	0	0
-67.5°	1	1	1	1	1	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: P246978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-CS

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°	1	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	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	0	0	0	0	0	0
47.5°	1	1	1	1	1	1	0	0	0	0	0
45°	1	1	1	1	1	1	1	0	0	0	0
42.5°	2	1	1	1	1	1	1	0	0	0	0
40°	2	2	1	1	1	1	1	1	0	0	0
37.5°	3	2	1	1	1	1	1	1	0	0	0
35°	3	2	2	1	1	1	1	1	0	0	0
32.5°	3	3	2	1	1	1	1	1	0	0	0
30°	3	3	2	2	1	1	1	1	1	0	0
27.5°	3	3	3	2	1	1	1	1	1	0	0
25°	3	3	3	2	1	1	1	1	1	0	0
22.5°	3	3	3	3	2	1	1	1	1	0	0
20°	3	3	3	3	2	1	1	1	1	0	0
17.5°	4	3	3	3	2	1	1	1	1	1	0
15°	4	3	3	3	2	1	1	1	1	1	0
12.5°	4	3	3	3	2	2	1	1	1	1	0
10°	4	3	3	3	3	2	1	1	1	1	0
7.5°	4	3	3	3	3	2	1	1	1	1	0
5°	4	3	3	3	3	2	1	1	1	1	0
2.5°	4	3	3	3	3	2	1	1	1	1	0
0°	4	4	3	3	3	2	1	1	1	1	0
-2.5°	4	3	3	3	3	2	1	1	1	1	0
-5°	4	3	3	3	3	2	1	1	1	1	0
-7.5°	4	3	3	3	3	2	1	1	1	1	0
-10°	4	3	3	3	3	2	1	1	1	1	0
-12.5°	4	3	3	3	2	2	1	1	1	1	0
-15°	4	3	3	3	2	1	1	1	1	1	0
-17.5°	4	3	3	3	2	1	1	1	1	1	0
-20°	3	3	3	3	2	1	1	1	1	0	0



REPORT NUMBER: P246978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-CS

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3	3	3	3	2	1	1	1	1	0	0
-25°	3	3	3	2	1	1	1	1	1	0	0
-27.5°	3	3	3	2	1	1	1	1	1	0	0
-30°	3	3	2	2	1	1	1	1	1	0	0
-32.5°	3	3	2	1	1	1	1	1	0	0	0
-35°	3	2	2	1	1	1	1	1	0	0	0
-37.5°	3	2	1	1	1	1	1	1	0	0	0
-40°	2	2	1	1	1	1	1	1	0	0	0
-42.5°	2	1	1	1	1	1	1	0	0	0	0
-45°	1	1	1	1	1	1	1	0	0	0	0
-47.5°	1	1	1	1	1	1	0	0	0	0	0
-50°	1	1	1	1	1	0	0	0	0	0	0
-52.5°	1	1	1	1	1	0	0	0	0	0	0
-55°	1	1	1	1	0	0	0	0	0	0	0
-57.5°	1	1	1	0	0	0	0	0	0	0	0
-60°	1	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: P246978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-CS

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: P246978 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED3025-12-CS

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)