

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: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-28)
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-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 3000K 95 CRI 25°NFL LED
SM16-07-25D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

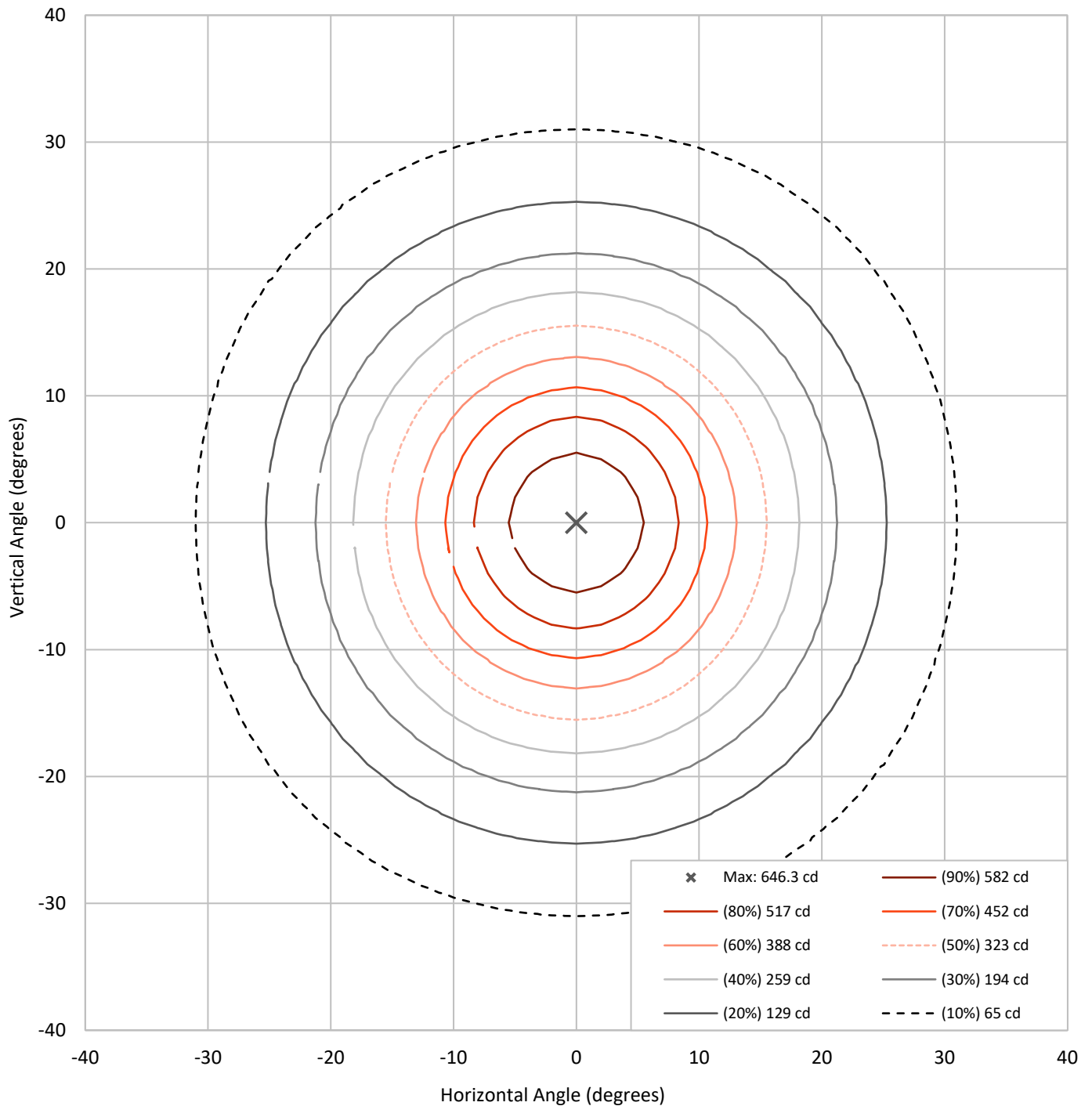
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	236.8 lumens	Max Intensity:	646.3 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%):	31°H x 31°V	Field Angle (10%):	62°H x 62°V
Beam Lumens:	103.6 lumens	Field Lumens:	209.1 lumens
Beam Efficiency:	43.8%	Field Efficiency:	88.3%
Input Watts (W):	7.9		
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: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED3025-12-BK-DIFF

Iso-Candela Plot





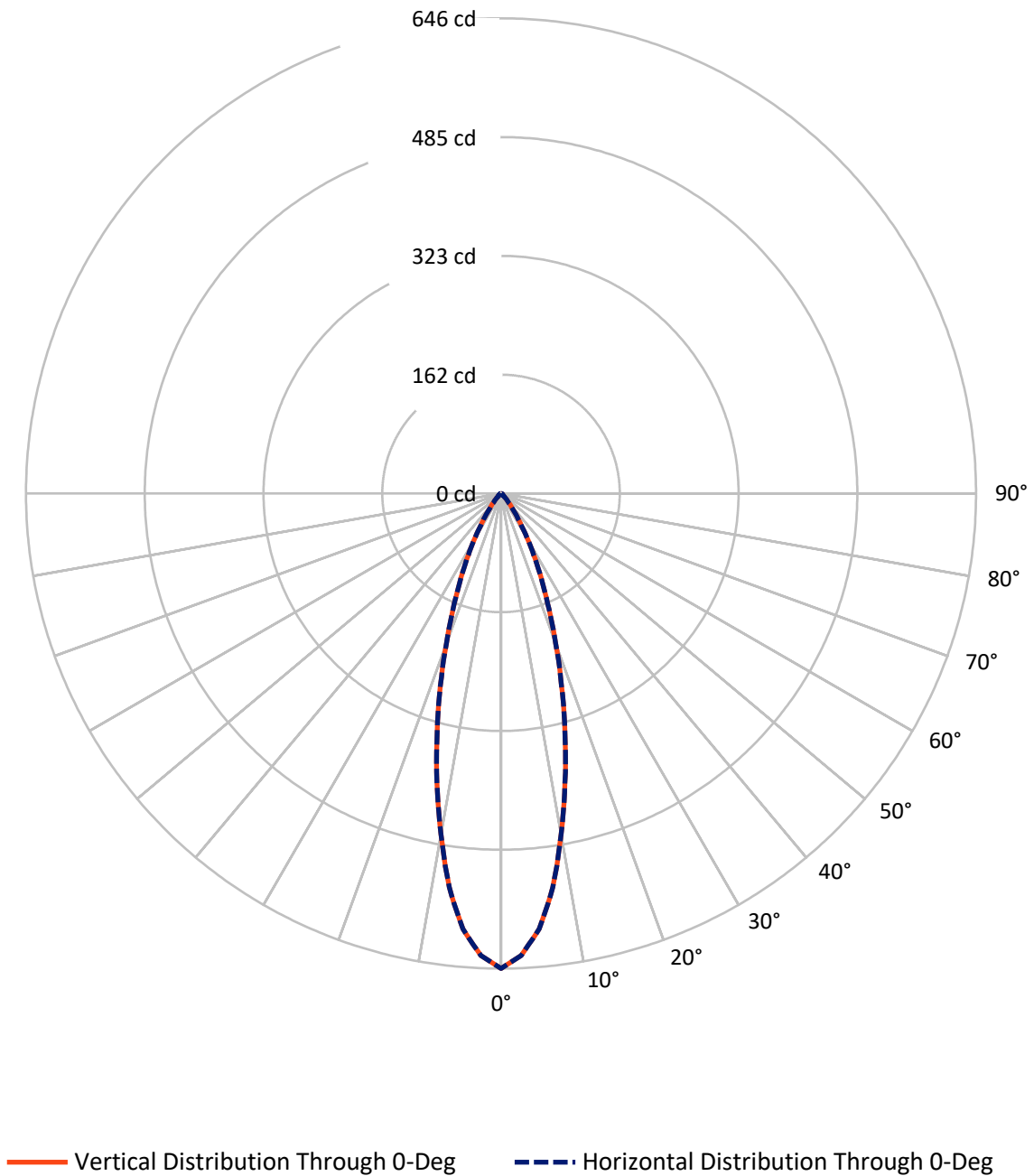
REPORT NUMBER: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-DIFF

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	
40		0.0	0.0	0.0	0.1	0.3	0.7	1.1	1.1	0.7	0.3	0.1	0.0	0.0	0.0		
30	0.0	0.0	0.0	0.1	0.3	1.1	2.6	3.9	3.9	2.6	1.1	0.3	0.1	0.0	0.0	0.0	
20		0.0	0.0	0.1	0.6	2.4	5.8	9.5	9.5	5.8	2.4	0.6	0.1	0.0	0.0		
10	0.0	0.0	0.0	0.2	0.9	3.6	9.2	15.9	15.9	9.2	3.6	0.9	0.2	0.0	0.0	0.0	
0		0.0	0.0	0.2	0.9	3.6	9.2	15.9	15.9	9.2	3.6	0.9	0.2	0.0	0.0		
-10	0.0	0.0	0.0	0.2	0.9	3.6	9.2	15.9	15.9	9.2	3.6	0.9	0.2	0.0	0.0	0.0	
-20		0.0	0.0	0.1	0.6	2.4	5.8	9.5	9.5	5.8	2.4	0.6	0.1	0.0	0.0		
-30	0.0	0.0	0.0	0.1	0.3	1.1	2.6	3.9	3.9	2.6	1.1	0.3	0.1	0.0	0.0	0.0	
-40		0.0	0.0	0.0	0.1	0.3	0.7	1.1	1.1	0.7	0.3	0.1	0.0	0.0	0.0		
-50	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	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	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	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	

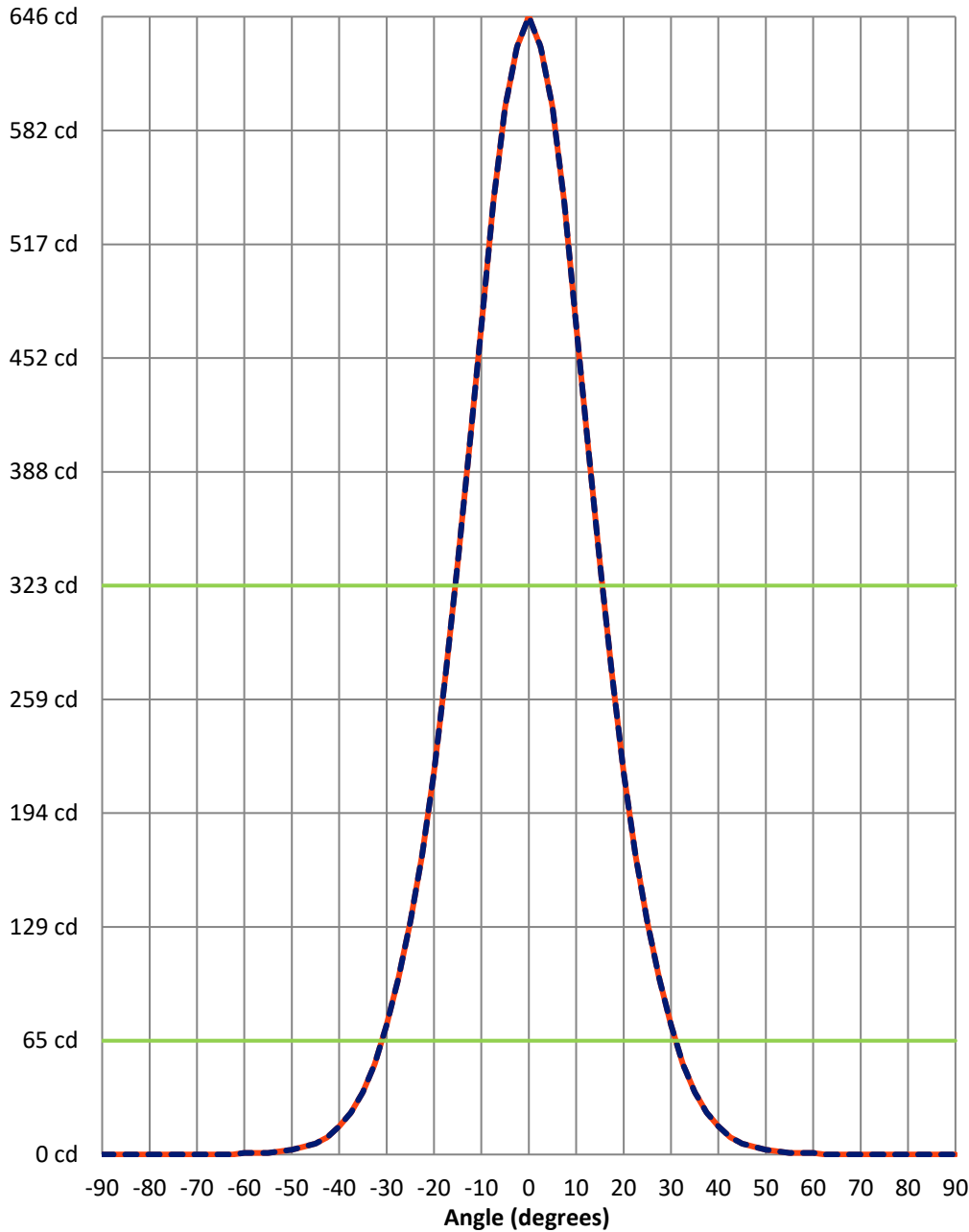
REPORT NUMBER: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED3025-12-BK-DIFF

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 31°
V Angle: 31°
Lumens: 103.6
Efficiency: 43.8%

Field:
H Angle: 62°
V Angle: 62°
Lumens: 209.1
Efficiency: 88.3%

Spill:
Lumens: 27.7
Efficiency: 11.7%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg



REPORT NUMBER: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)

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

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: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)

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

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: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-DIFF

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	1
45°	0	0	0	0	0	0	0	1	1	1	1
42.5°	0	0	0	0	0	0	1	1	1	1	1
40°	0	0	0	0	0	1	1	1	1	1	2
37.5°	0	0	0	0	0	1	1	1	1	2	2
35°	0	0	0	0	1	1	1	1	2	2	3
32.5°	0	0	0	1	1	1	1	1	2	3	4
30°	0	0	0	1	1	1	1	2	3	4	5
27.5°	0	0	0	1	1	1	2	2	3	5	6
25°	0	0	1	1	1	1	2	3	4	5	8
22.5°	0	0	1	1	1	1	2	3	5	6	9
20°	0	0	1	1	1	2	2	4	5	8	12
17.5°	0	0	1	1	1	2	3	4	6	9	14
15°	0	0	1	1	1	2	3	5	7	10	16
12.5°	0	1	1	1	1	2	4	5	8	12	18
10°	0	1	1	1	2	2	4	6	8	13	20
7.5°	0	1	1	1	2	3	4	6	9	15	22
5°	0	1	1	1	2	3	4	6	9	15	23
2.5°	0	1	1	1	2	3	4	6	10	16	24
0°	0	1	1	1	2	3	4	6	10	16	24
-2.5°	0	1	1	1	2	3	4	6	10	16	24
-5°	0	1	1	1	2	3	4	6	9	15	23
-7.5°	0	1	1	1	2	3	4	6	9	15	22
-10°	0	1	1	1	2	2	4	6	8	13	20
-12.5°	0	1	1	1	1	2	4	5	8	12	18
-15°	0	0	1	1	1	2	3	5	7	10	16
-17.5°	0	0	1	1	1	2	3	4	6	9	14
-20°	0	0	1	1	1	2	2	4	5	8	12



REPORT NUMBER: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)

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

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	1	1	1	2	3	5	6	9
-25°	0	0	1	1	1	1	2	3	4	5	8
-27.5°	0	0	0	1	1	1	2	2	3	5	6
-30°	0	0	0	1	1	1	1	2	3	4	5
-32.5°	0	0	0	1	1	1	1	1	2	3	4
-35°	0	0	0	0	1	1	1	1	2	2	3
-37.5°	0	0	0	0	0	1	1	1	1	2	2
-40°	0	0	0	0	0	1	1	1	1	1	2
-42.5°	0	0	0	0	0	0	1	1	1	1	1
-45°	0	0	0	0	0	0	0	1	1	1	1
-47.5°	0	0	0	0	0	0	0	0	1	1	1
-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: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-DIFF

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	1
55°	0	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	3	3	4	4
45°	1	1	2	2	3	3	4	4	5	5	6
42.5°	2	2	3	3	4	5	5	6	7	8	8
40°	2	3	4	5	5	6	8	9	10	12	13
37.5°	3	4	5	6	8	9	12	14	16	18	20
35°	4	5	6	9	11	14	17	20	23	27	30
32.5°	5	7	9	12	16	20	24	29	33	38	43
30°	6	9	13	17	21	27	33	40	47	53	61
27.5°	9	12	17	22	29	36	45	54	64	74	83
25°	11	16	21	29	37	47	59	72	85	97	109
22.5°	14	20	27	36	47	61	76	93	109	125	139
20°	17	24	33	45	59	76	95	115	135	156	175
17.5°	20	29	40	54	72	93	115	139	164	191	216
15°	23	33	47	64	85	109	135	164	197	230	263
12.5°	27	38	53	74	97	125	156	191	230	271	312
10°	30	43	61	83	109	139	175	216	263	312	360
7.5°	32	47	66	90	119	153	193	240	293	348	403
5°	34	49	70	96	126	162	206	259	316	377	439
2.5°	35	51	73	99	131	168	214	270	331	396	462
0°	36	51	74	100	132	170	217	274	336	403	471
-2.5°	35	51	73	99	131	168	214	270	331	396	462
-5°	34	49	70	96	126	162	206	259	316	377	439
-7.5°	32	47	66	90	119	153	193	240	293	348	403
-10°	30	43	61	83	109	139	175	216	263	312	360
-12.5°	27	38	53	74	97	125	156	191	230	271	312
-15°	23	33	47	64	85	109	135	164	197	230	263
-17.5°	20	29	40	54	72	93	115	139	164	191	216
-20°	17	24	33	45	59	76	95	115	135	156	175



REPORT NUMBER: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	14	20	27	36	47	61	76	93	109	125	139
-25°	11	16	21	29	37	47	59	72	85	97	109
-27.5°	9	12	17	22	29	36	45	54	64	74	83
-30°	6	9	13	17	21	27	33	40	47	53	61
-32.5°	5	7	9	12	16	20	24	29	33	38	43
-35°	4	5	6	9	11	14	17	20	23	27	30
-37.5°	3	4	5	6	8	9	12	14	16	18	20
-40°	2	3	4	5	5	6	8	9	10	12	13
-42.5°	2	2	3	3	4	5	5	6	7	8	8
-45°	1	1	2	2	3	3	4	4	5	5	6
-47.5°	1	1	1	2	2	2	2	3	3	4	4
-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°	0	1	1	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	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: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-DIFF

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°	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°	3	3	3	3	3	3	3	2	2	2	2
47.5°	4	4	4	4	4	4	4	4	4	3	3
45°	6	6	6	6	6	6	6	6	5	5	4
42.5°	9	9	10	10	10	9	9	8	8	7	6
40°	15	15	16	16	16	15	15	13	12	10	9
37.5°	22	23	24	24	24	23	22	20	18	16	14
35°	32	34	35	36	35	34	32	30	27	23	20
32.5°	47	49	51	51	51	49	47	43	38	33	29
30°	66	70	73	74	73	70	66	61	53	47	40
27.5°	90	96	99	100	99	96	90	83	74	64	54
25°	119	126	131	132	131	126	119	109	97	85	72
22.5°	153	162	168	170	168	162	153	139	125	109	93
20°	193	206	214	217	214	206	193	175	156	135	115
17.5°	240	259	270	274	270	259	240	216	191	164	139
15°	293	316	331	336	331	316	293	263	230	197	164
12.5°	348	377	396	403	396	377	348	312	271	230	191
10°	403	439	462	471	462	439	403	360	312	263	216
7.5°	455	500	530	540	530	500	455	403	348	293	240
5°	500	551	583	595	583	551	500	439	377	316	259
2.5°	530	583	617	629	617	583	530	462	396	331	270
0°	540	595	629	646	629	595	540	471	403	336	274
-2.5°	530	583	617	629	617	583	530	462	396	331	270
-5°	500	551	583	595	583	551	500	439	377	316	259
-7.5°	455	500	530	540	530	500	455	403	348	293	240
-10°	403	439	462	471	462	439	403	360	312	263	216
-12.5°	348	377	396	403	396	377	348	312	271	230	191
-15°	293	316	331	336	331	316	293	263	230	197	164
-17.5°	240	259	270	274	270	259	240	216	191	164	139
-20°	193	206	214	217	214	206	193	175	156	135	115



REPORT NUMBER: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	153	162	168	170	168	162	153	139	125	109	93
-25°	119	126	131	132	131	126	119	109	97	85	72
-27.5°	90	96	99	100	99	96	90	83	74	64	54
-30°	66	70	73	74	73	70	66	61	53	47	40
-32.5°	47	49	51	51	51	49	47	43	38	33	29
-35°	32	34	35	36	35	34	32	30	27	23	20
-37.5°	22	23	24	24	24	23	22	20	18	16	14
-40°	15	15	16	16	16	15	15	13	12	10	9
-42.5°	9	9	10	10	10	9	9	8	8	7	6
-45°	6	6	6	6	6	6	6	6	5	5	4
-47.5°	4	4	4	4	4	4	4	4	4	3	3
-50°	3	3	3	3	3	3	3	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	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: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-DIFF

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°	1	1	1	1	1	1	0	0	0	0	0
52.5°	1	1	1	1	1	1	1	0	0	0	0
50°	2	1	1	1	1	1	1	1	1	0	0
47.5°	2	2	2	2	1	1	1	1	1	1	0
45°	4	3	3	2	2	1	1	1	1	1	1
42.5°	5	5	4	3	3	2	2	1	1	1	1
40°	8	6	5	5	4	3	2	2	1	1	1
37.5°	12	9	8	6	5	4	3	2	2	1	1
35°	17	14	11	9	6	5	4	3	2	2	1
32.5°	24	20	16	12	9	7	5	4	3	2	1
30°	33	27	21	17	13	9	6	5	4	3	2
27.5°	45	36	29	22	17	12	9	6	5	3	2
25°	59	47	37	29	21	16	11	8	5	4	3
22.5°	76	61	47	36	27	20	14	9	6	5	3
20°	95	76	59	45	33	24	17	12	8	5	4
17.5°	115	93	72	54	40	29	20	14	9	6	4
15°	135	109	85	64	47	33	23	16	10	7	5
12.5°	156	125	97	74	53	38	27	18	12	8	5
10°	175	139	109	83	61	43	30	20	13	8	6
7.5°	193	153	119	90	66	47	32	22	15	9	6
5°	206	162	126	96	70	49	34	23	15	9	6
2.5°	214	168	131	99	73	51	35	24	16	10	6
0°	217	170	132	100	74	51	36	24	16	10	6
-2.5°	214	168	131	99	73	51	35	24	16	10	6
-5°	206	162	126	96	70	49	34	23	15	9	6
-7.5°	193	153	119	90	66	47	32	22	15	9	6
-10°	175	139	109	83	61	43	30	20	13	8	6
-12.5°	156	125	97	74	53	38	27	18	12	8	5
-15°	135	109	85	64	47	33	23	16	10	7	5
-17.5°	115	93	72	54	40	29	20	14	9	6	4
-20°	95	76	59	45	33	24	17	12	8	5	4



REPORT NUMBER: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	76	61	47	36	27	20	14	9	6	5	3
-25°	59	47	37	29	21	16	11	8	5	4	3
-27.5°	45	36	29	22	17	12	9	6	5	3	2
-30°	33	27	21	17	13	9	6	5	4	3	2
-32.5°	24	20	16	12	9	7	5	4	3	2	1
-35°	17	14	11	9	6	5	4	3	2	2	1
-37.5°	12	9	8	6	5	4	3	2	2	1	1
-40°	8	6	5	5	4	3	2	2	1	1	1
-42.5°	5	5	4	3	3	2	2	1	1	1	1
-45°	4	3	3	2	2	1	1	1	1	1	1
-47.5°	2	2	2	2	1	1	1	1	1	1	0
-50°	2	1	1	1	1	1	1	1	1	0	0
-52.5°	1	1	1	1	1	1	1	0	0	0	0
-55°	1	1	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: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-DIFF

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



REPORT NUMBER: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-DIFF

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	0	0	0	0	0	0
-25°	2	1	1	1	1	0	0	0	0	0	0
-27.5°	2	1	1	1	0	0	0	0	0	0	0
-30°	1	1	1	1	0	0	0	0	0	0	0
-32.5°	1	1	1	1	0	0	0	0	0	0	0
-35°	1	1	1	0	0	0	0	0	0	0	0
-37.5°	1	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: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3025-12-BK-DIFF

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: P246974 (CONVERTED FROM TYPE C PHOTOMETRY)

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

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)