

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: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED3010-12-BK-DIFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-24)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-8LED3010-12-BK-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 3000K 95 CRI 10°NSP LED
SM16-07-10D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

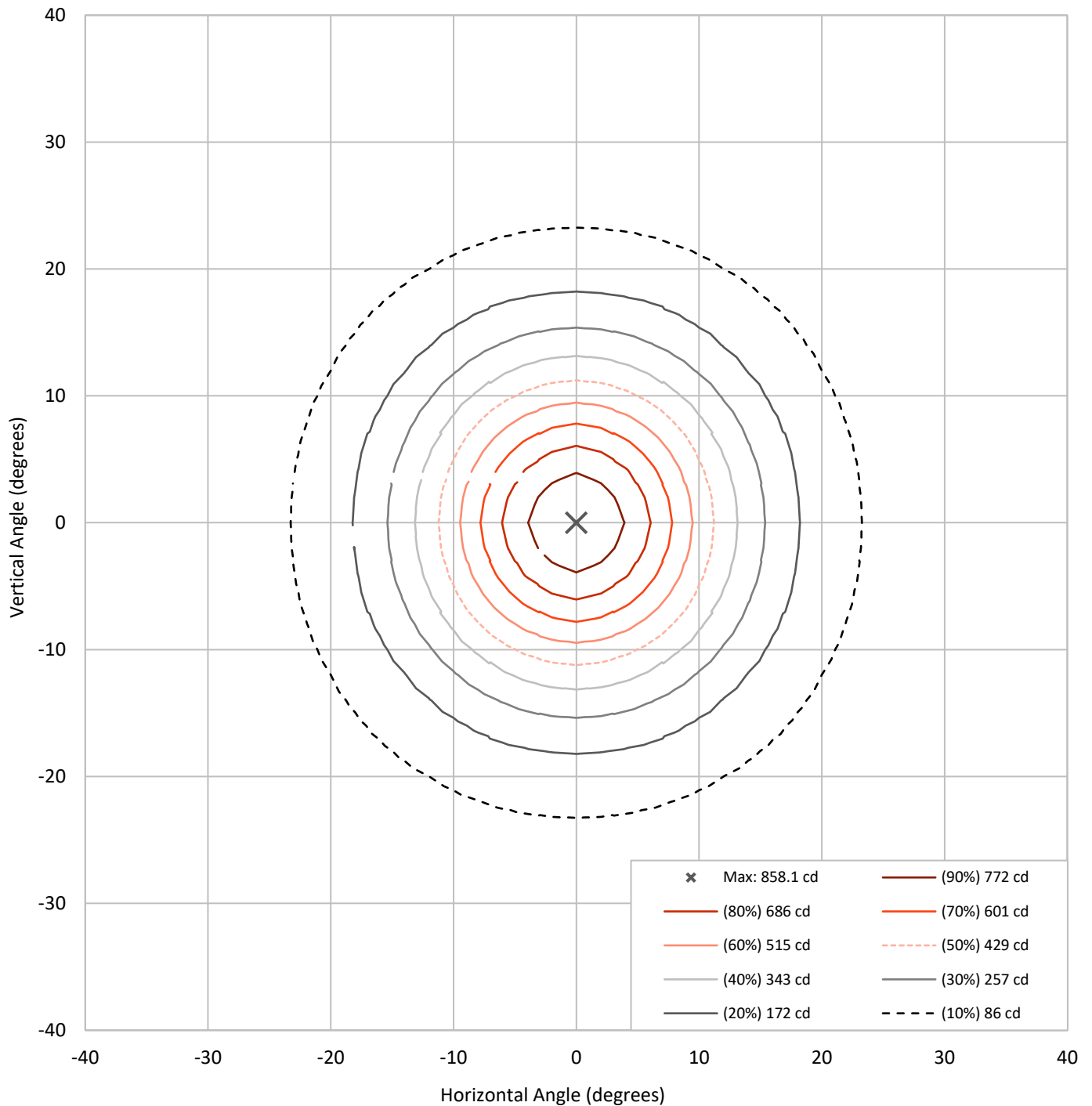
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	194.6 lumens	Max Intensity:	858.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	24.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	22.4°H x 22.4°V	Field Angle (10%):	46.4°H x 46.4°V
Beam Lumens:	69.7 lumens	Field Lumens:	150.6 lumens
Beam Efficiency:	35.8%	Field Efficiency:	77.4%
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: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED3010-12-BK-DIFF

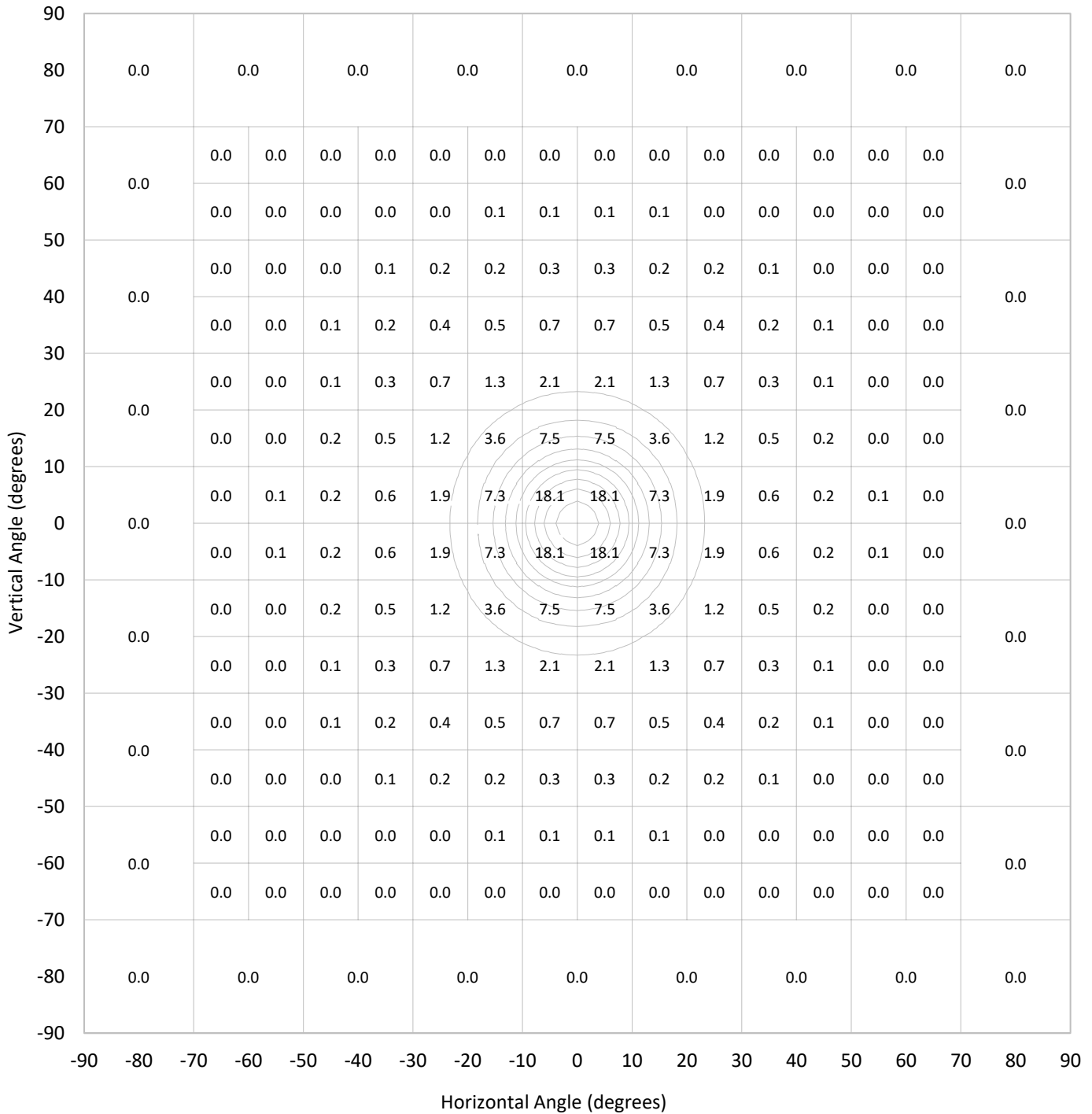
Iso-Candela Plot





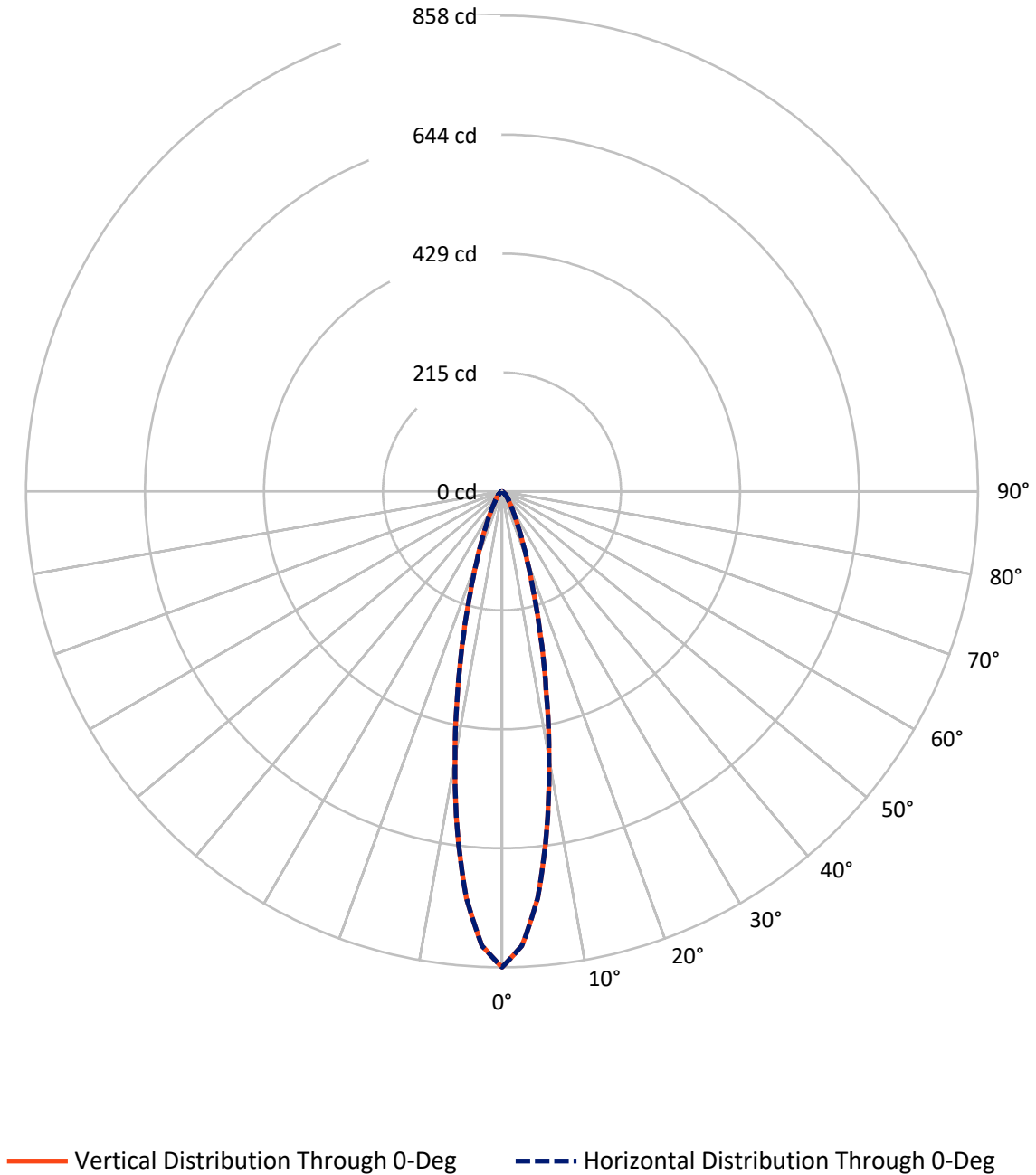
REPORT NUMBER: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK-DIFF

Lumen Table



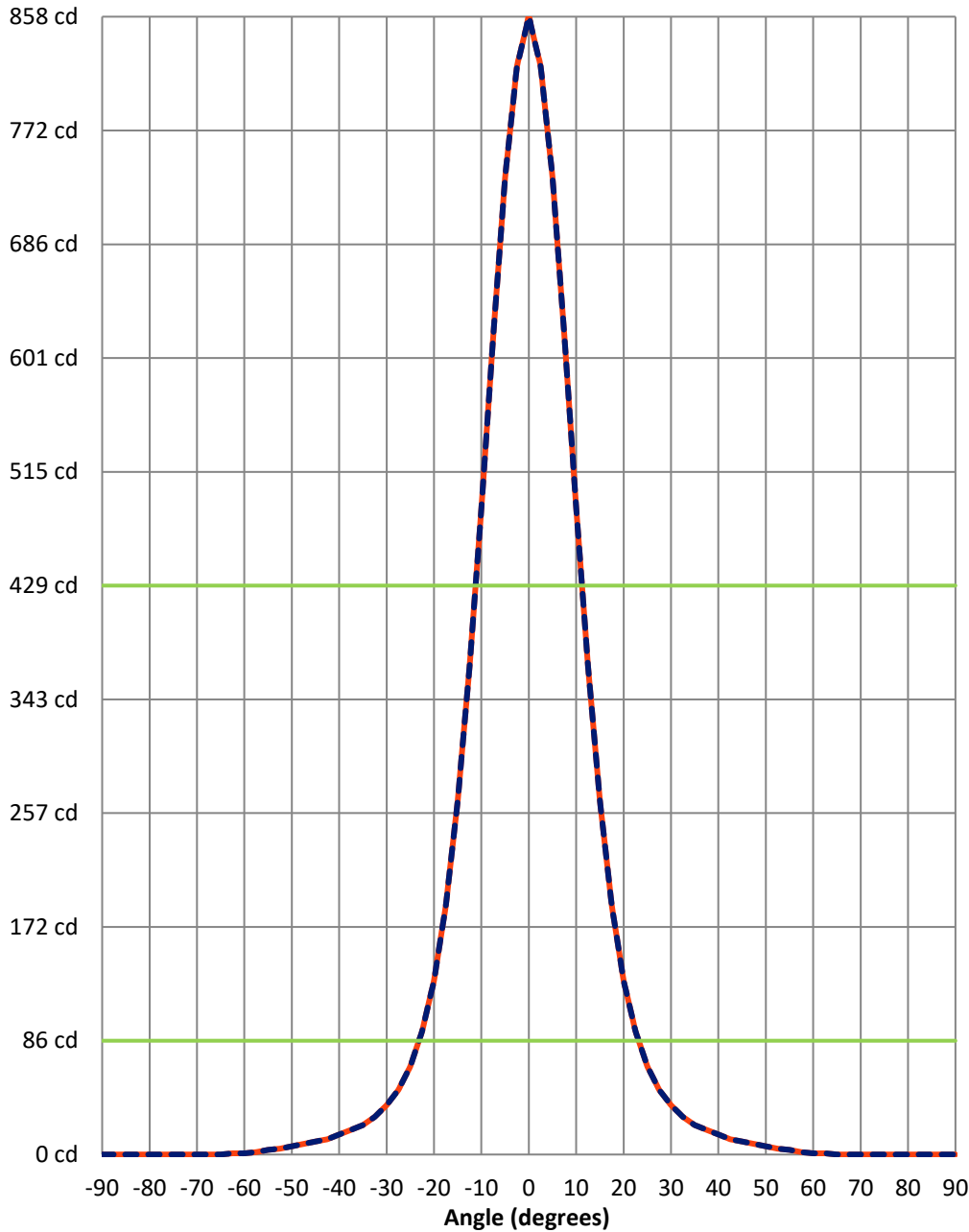
REPORT NUMBER: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED3010-12-BK-DIFF

Luminous Intensity Polar Plot



REPORT NUMBER: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK-DIFF

Luminous Intensity Plot



Beam:
 H Angle: 22.4°
 V Angle: 22.4°
 Lumens: 69.7
 Efficiency: 35.8%

Field:
 H Angle: 46.4°
 V Angle: 46.4°
 Lumens: 150.6
 Efficiency: 77.4%

Spill:
 Lumens: 44.1
 Efficiency: 22.6%

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



REPORT NUMBER: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-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: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED3010-12-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: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-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	1
52.5°	0	0	0	0	0	0	0	0	1	1	1
50°	0	0	0	0	0	0	0	1	1	1	1
47.5°	0	0	0	0	0	0	1	1	1	1	2
45°	0	0	0	0	0	1	1	1	1	2	3
42.5°	0	0	0	0	1	1	1	1	2	3	4
40°	0	0	0	0	1	1	1	2	3	4	4
37.5°	0	0	0	1	1	1	2	3	4	4	5
35°	0	0	0	1	1	2	3	4	4	5	7
32.5°	0	0	1	1	1	2	3	4	5	6	8
30°	0	0	1	1	2	3	4	5	6	7	9
27.5°	0	0	1	1	2	3	4	5	7	8	10
25°	0	1	1	1	2	4	5	6	8	9	10
22.5°	0	1	1	2	3	4	5	7	8	10	11
20°	0	1	1	2	3	4	6	7	9	11	13
17.5°	0	1	1	2	4	5	6	8	10	11	14
15°	1	1	1	3	4	5	7	8	10	12	15
12.5°	1	1	1	3	4	5	7	9	11	13	16
10°	1	1	2	3	4	6	7	9	11	14	17
7.5°	1	1	2	3	4	6	8	9	11	14	18
5°	1	1	2	3	4	6	8	10	11	15	18
2.5°	1	1	2	3	4	6	8	10	11	15	19
0°	1	1	2	4	4	6	8	10	12	15	19
-2.5°	1	1	2	3	4	6	8	10	11	15	19
-5°	1	1	2	3	4	6	8	10	11	15	18
-7.5°	1	1	2	3	4	6	8	9	11	14	18
-10°	1	1	2	3	4	6	7	9	11	14	17
-12.5°	1	1	1	3	4	5	7	9	11	13	16
-15°	1	1	1	3	4	5	7	8	10	12	15
-17.5°	0	1	1	2	4	5	6	8	10	11	14
-20°	0	1	1	2	3	4	6	7	9	11	13



REPORT NUMBER: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-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	1	1	2	3	4	5	7	8	10	11
-25°	0	1	1	1	2	4	5	6	8	9	10
-27.5°	0	0	1	1	2	3	4	5	7	8	10
-30°	0	0	1	1	2	3	4	5	6	7	9
-32.5°	0	0	1	1	1	2	3	4	5	6	8
-35°	0	0	0	1	1	2	3	4	4	5	7
-37.5°	0	0	0	1	1	1	2	3	4	4	5
-40°	0	0	0	0	1	1	1	2	3	4	4
-42.5°	0	0	0	0	1	1	1	1	2	3	4
-45°	0	0	0	0	0	1	1	1	1	2	3
-47.5°	0	0	0	0	0	0	1	1	1	1	2
-50°	0	0	0	0	0	0	0	1	1	1	1
-52.5°	0	0	0	0	0	0	0	0	1	1	1
-55°	0	0	0	0	0	0	0	0	0	0	1
-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: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-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	1	1	1
60°	0	0	0	0	1	1	1	1	1	1	1
57.5°	0	1	1	1	1	1	1	1	1	1	2
55°	1	1	1	1	1	2	2	2	3	3	3
52.5°	1	1	2	2	2	3	3	4	4	4	4
50°	2	2	3	3	4	4	4	5	5	5	6
47.5°	3	3	4	4	5	5	6	6	7	7	7
45°	4	4	5	5	6	7	7	8	8	9	9
42.5°	4	5	6	7	8	8	9	10	10	11	11
40°	5	6	7	8	9	10	11	11	12	13	14
37.5°	7	8	9	10	10	11	13	14	15	16	17
35°	8	9	10	11	12	14	16	17	18	19	20
32.5°	9	10	11	13	15	17	18	20	22	23	25
30°	10	11	13	15	17	20	21	24	27	29	32
27.5°	11	13	15	18	20	22	26	29	34	37	41
25°	12	15	17	20	23	27	32	37	42	48	54
22.5°	14	17	20	22	27	32	38	45	54	62	72
20°	16	18	21	26	32	38	47	57	68	83	97
17.5°	17	20	24	29	37	45	57	71	89	110	130
15°	18	22	27	34	42	54	68	89	115	144	177
12.5°	19	23	29	37	48	62	83	110	144	185	237
10°	20	25	32	41	54	72	97	130	177	237	303
7.5°	21	27	34	44	59	81	111	154	212	285	369
5°	22	28	36	47	63	88	122	173	242	330	432
2.5°	22	28	37	48	66	92	129	184	260	358	473
0°	22	28	37	49	67	93	131	188	267	368	488
-2.5°	22	28	37	48	66	92	129	184	260	358	473
-5°	22	28	36	47	63	88	122	173	242	330	432
-7.5°	21	27	34	44	59	81	111	154	212	285	369
-10°	20	25	32	41	54	72	97	130	177	237	303
-12.5°	19	23	29	37	48	62	83	110	144	185	237
-15°	18	22	27	34	42	54	68	89	115	144	177
-17.5°	17	20	24	29	37	45	57	71	89	110	130
-20°	16	18	21	26	32	38	47	57	68	83	97



REPORT NUMBER: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	14	17	20	22	27	32	38	45	54	62	72
-25°	12	15	17	20	23	27	32	37	42	48	54
-27.5°	11	13	15	18	20	22	26	29	34	37	41
-30°	10	11	13	15	17	20	21	24	27	29	32
-32.5°	9	10	11	13	15	17	18	20	22	23	25
-35°	8	9	10	11	12	14	16	17	18	19	20
-37.5°	7	8	9	10	10	11	13	14	15	16	17
-40°	5	6	7	8	9	10	11	11	12	13	14
-42.5°	4	5	6	7	8	8	9	10	10	11	11
-45°	4	4	5	5	6	7	7	8	8	9	9
-47.5°	3	3	4	4	5	5	6	6	7	7	7
-50°	2	2	3	3	4	4	4	5	5	5	6
-52.5°	1	1	2	2	2	3	3	4	4	4	4
-55°	1	1	1	1	1	2	2	2	3	3	3
-57.5°	0	1	1	1	1	1	1	1	1	1	2
-60°	0	0	0	0	1	1	1	1	1	1	1
-62.5°	0	0	0	0	0	0	0	0	1	1	1
-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: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-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°	1	1	1	1	1	1	1	1	1	1	0
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	2	2	2	2	2	2	2	2	1	1	1
55°	3	3	3	4	3	3	3	3	3	3	2
52.5°	4	4	4	4	4	4	4	4	4	4	4
50°	6	6	6	6	6	6	6	6	5	5	5
47.5°	8	8	8	8	8	8	8	7	7	7	6
45°	9	10	10	10	10	10	9	9	9	8	8
42.5°	11	11	11	12	11	11	11	11	11	10	10
40°	14	15	15	15	15	15	14	14	13	12	11
37.5°	18	18	19	19	19	18	18	17	16	15	14
35°	21	22	22	22	22	22	21	20	19	18	17
32.5°	27	28	28	28	28	28	27	25	23	22	20
30°	34	36	37	37	37	36	34	32	29	27	24
27.5°	44	47	48	49	48	47	44	41	37	34	29
25°	59	63	66	67	66	63	59	54	48	42	37
22.5°	81	88	92	93	92	88	81	72	62	54	45
20°	111	122	129	131	129	122	111	97	83	68	57
17.5°	154	173	184	188	184	173	154	130	110	89	71
15°	212	242	260	267	260	242	212	177	144	115	89
12.5°	285	330	358	368	358	330	285	237	185	144	110
10°	369	432	473	488	473	432	369	303	237	177	130
7.5°	459	540	596	617	596	540	459	369	285	212	154
5°	540	640	711	737	711	640	540	432	330	242	173
2.5°	596	711	791	820	791	711	596	473	358	260	184
0°	617	737	820	858	820	737	617	488	368	267	188
-2.5°	596	711	791	820	791	711	596	473	358	260	184
-5°	540	640	711	737	711	640	540	432	330	242	173
-7.5°	459	540	596	617	596	540	459	369	285	212	154
-10°	369	432	473	488	473	432	369	303	237	177	130
-12.5°	285	330	358	368	358	330	285	237	185	144	110
-15°	212	242	260	267	260	242	212	177	144	115	89
-17.5°	154	173	184	188	184	173	154	130	110	89	71
-20°	111	122	129	131	129	122	111	97	83	68	57



REPORT NUMBER: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	81	88	92	93	92	88	81	72	62	54	45
-25°	59	63	66	67	66	63	59	54	48	42	37
-27.5°	44	47	48	49	48	47	44	41	37	34	29
-30°	34	36	37	37	37	36	34	32	29	27	24
-32.5°	27	28	28	28	28	28	27	25	23	22	20
-35°	21	22	22	22	22	22	21	20	19	18	17
-37.5°	18	18	19	19	19	18	18	17	16	15	14
-40°	14	15	15	15	15	15	14	14	13	12	11
-42.5°	11	11	11	12	11	11	11	11	11	10	10
-45°	9	10	10	10	10	10	9	9	9	8	8
-47.5°	8	8	8	8	8	8	8	7	7	7	6
-50°	6	6	6	6	6	6	6	6	5	5	5
-52.5°	4	4	4	4	4	4	4	4	4	4	4
-55°	3	3	3	4	3	3	3	3	3	3	2
-57.5°	2	2	2	2	2	2	2	2	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	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: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-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°	1	1	1	0	0	0	0	0	0	0	0
57.5°	1	1	1	1	1	1	0	0	0	0	0
55°	2	2	1	1	1	1	1	1	0	0	0
52.5°	3	3	2	2	2	1	1	1	1	1	0
50°	4	4	4	3	3	2	2	1	1	1	1
47.5°	6	5	5	4	4	3	3	2	1	1	1
45°	7	7	6	5	5	4	4	3	2	1	1
42.5°	9	8	8	7	6	5	4	4	3	2	1
40°	11	10	9	8	7	6	5	4	4	3	2
37.5°	13	11	10	10	9	8	7	5	4	4	3
35°	16	14	12	11	10	9	8	7	5	4	4
32.5°	18	17	15	13	11	10	9	8	6	5	4
30°	21	20	17	15	13	11	10	9	7	6	5
27.5°	26	22	20	18	15	13	11	10	8	7	5
25°	32	27	23	20	17	15	12	10	9	8	6
22.5°	38	32	27	22	20	17	14	11	10	8	7
20°	47	38	32	26	21	18	16	13	11	9	7
17.5°	57	45	37	29	24	20	17	14	11	10	8
15°	68	54	42	34	27	22	18	15	12	10	8
12.5°	83	62	48	37	29	23	19	16	13	11	9
10°	97	72	54	41	32	25	20	17	14	11	9
7.5°	111	81	59	44	34	27	21	18	14	11	9
5°	122	88	63	47	36	28	22	18	15	11	10
2.5°	129	92	66	48	37	28	22	19	15	11	10
0°	131	93	67	49	37	28	22	19	15	12	10
-2.5°	129	92	66	48	37	28	22	19	15	11	10
-5°	122	88	63	47	36	28	22	18	15	11	10
-7.5°	111	81	59	44	34	27	21	18	14	11	9
-10°	97	72	54	41	32	25	20	17	14	11	9
-12.5°	83	62	48	37	29	23	19	16	13	11	9
-15°	68	54	42	34	27	22	18	15	12	10	8
-17.5°	57	45	37	29	24	20	17	14	11	10	8
-20°	47	38	32	26	21	18	16	13	11	9	7



REPORT NUMBER: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	38	32	27	22	20	17	14	11	10	8	7
-25°	32	27	23	20	17	15	12	10	9	8	6
-27.5°	26	22	20	18	15	13	11	10	8	7	5
-30°	21	20	17	15	13	11	10	9	7	6	5
-32.5°	18	17	15	13	11	10	9	8	6	5	4
-35°	16	14	12	11	10	9	8	7	5	4	4
-37.5°	13	11	10	10	9	8	7	5	4	4	3
-40°	11	10	9	8	7	6	5	4	4	3	2
-42.5°	9	8	8	7	6	5	4	4	3	2	1
-45°	7	7	6	5	5	4	4	3	2	1	1
-47.5°	6	5	5	4	4	3	3	2	1	1	1
-50°	4	4	4	3	3	2	2	1	1	1	1
-52.5°	3	3	2	2	2	1	1	1	1	1	0
-55°	2	2	1	1	1	1	1	1	0	0	0
-57.5°	1	1	1	1	1	1	0	0	0	0	0
-60°	1	1	1	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: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-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°	1	0	0	0	0	0	0	0	0	0	0
45°	1	1	0	0	0	0	0	0	0	0	0
42.5°	1	1	1	0	0	0	0	0	0	0	0
40°	1	1	1	0	0	0	0	0	0	0	0
37.5°	2	1	1	1	0	0	0	0	0	0	0
35°	3	2	1	1	0	0	0	0	0	0	0
32.5°	3	2	1	1	1	0	0	0	0	0	0
30°	4	3	2	1	1	0	0	0	0	0	0
27.5°	4	3	2	1	1	0	0	0	0	0	0
25°	5	4	2	1	1	1	0	0	0	0	0
22.5°	5	4	3	2	1	1	0	0	0	0	0
20°	6	4	3	2	1	1	0	0	0	0	0
17.5°	6	5	4	2	1	1	0	0	0	0	0
15°	7	5	4	3	1	1	1	0	0	0	0
12.5°	7	5	4	3	1	1	1	0	0	0	0
10°	7	6	4	3	2	1	1	0	0	0	0
7.5°	8	6	4	3	2	1	1	0	0	0	0
5°	8	6	4	3	2	1	1	0	0	0	0
2.5°	8	6	4	3	2	1	1	0	0	0	0
0°	8	6	4	4	2	1	1	0	0	0	0
-2.5°	8	6	4	3	2	1	1	0	0	0	0
-5°	8	6	4	3	2	1	1	0	0	0	0
-7.5°	8	6	4	3	2	1	1	0	0	0	0
-10°	7	6	4	3	2	1	1	0	0	0	0
-12.5°	7	5	4	3	1	1	1	0	0	0	0
-15°	7	5	4	3	1	1	1	0	0	0	0
-17.5°	6	5	4	2	1	1	0	0	0	0	0
-20°	6	4	3	2	1	1	0	0	0	0	0



REPORT NUMBER: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5	4	3	2	1	1	0	0	0	0	0
-25°	5	4	2	1	1	1	0	0	0	0	0
-27.5°	4	3	2	1	1	0	0	0	0	0	0
-30°	4	3	2	1	1	0	0	0	0	0	0
-32.5°	3	2	1	1	1	0	0	0	0	0	0
-35°	3	2	1	1	0	0	0	0	0	0	0
-37.5°	2	1	1	1	0	0	0	0	0	0	0
-40°	1	1	1	0	0	0	0	0	0	0	0
-42.5°	1	1	1	0	0	0	0	0	0	0	0
-45°	1	1	0	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: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-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: P246965 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED3010-12-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)