

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: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED4010-12-BK-DIFF**

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
Test Lab: INNOVATION CENTER(G2)
Test Date: 04/06/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-8LED4010-12-BK-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 4000K 95 CRI 10°NSP LED
SM16-07-10D-940-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

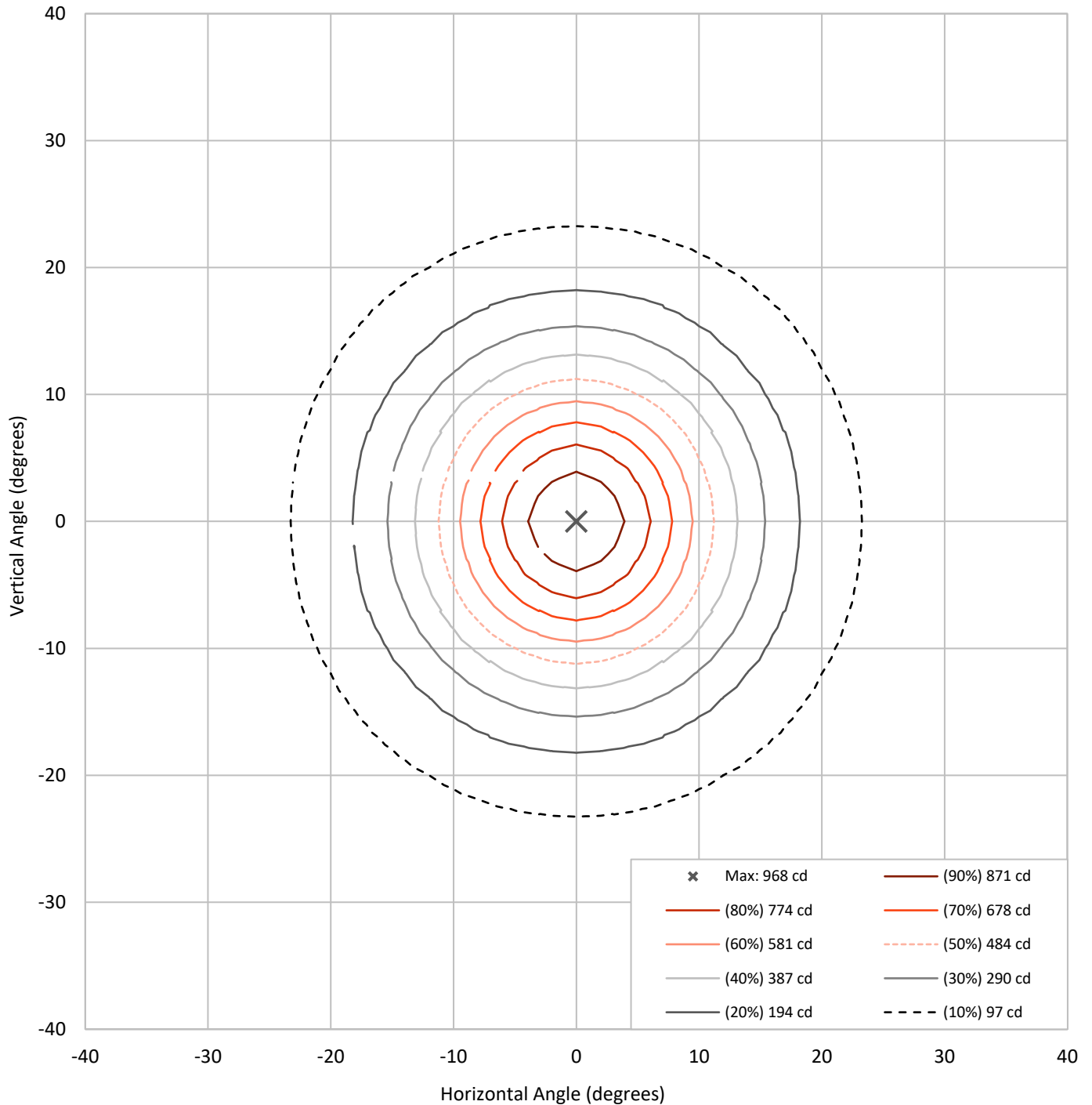
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	219.5 lumens	Max Intensity:	968 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	27.4 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:	78.6 lumens	Field Lumens:	169.8 lumens
Beam Efficiency:	35.8%	Field Efficiency:	77.4%
Input Watts (W):	8		
Input Voltage (V):	12.0		
Input Current (Ain):	0.709		
Voltage Rise (V):	NR		
Power Factor:	0.9468		
Total Harmonic Distortion (THDi):	27.5		
Frequency (hertz):	60		
Stabilization Time:	0.5 HR		
Operation Time:	9 HR		
Ambient Temperature (°C):	24.9		
Test Distance:	25 FT		



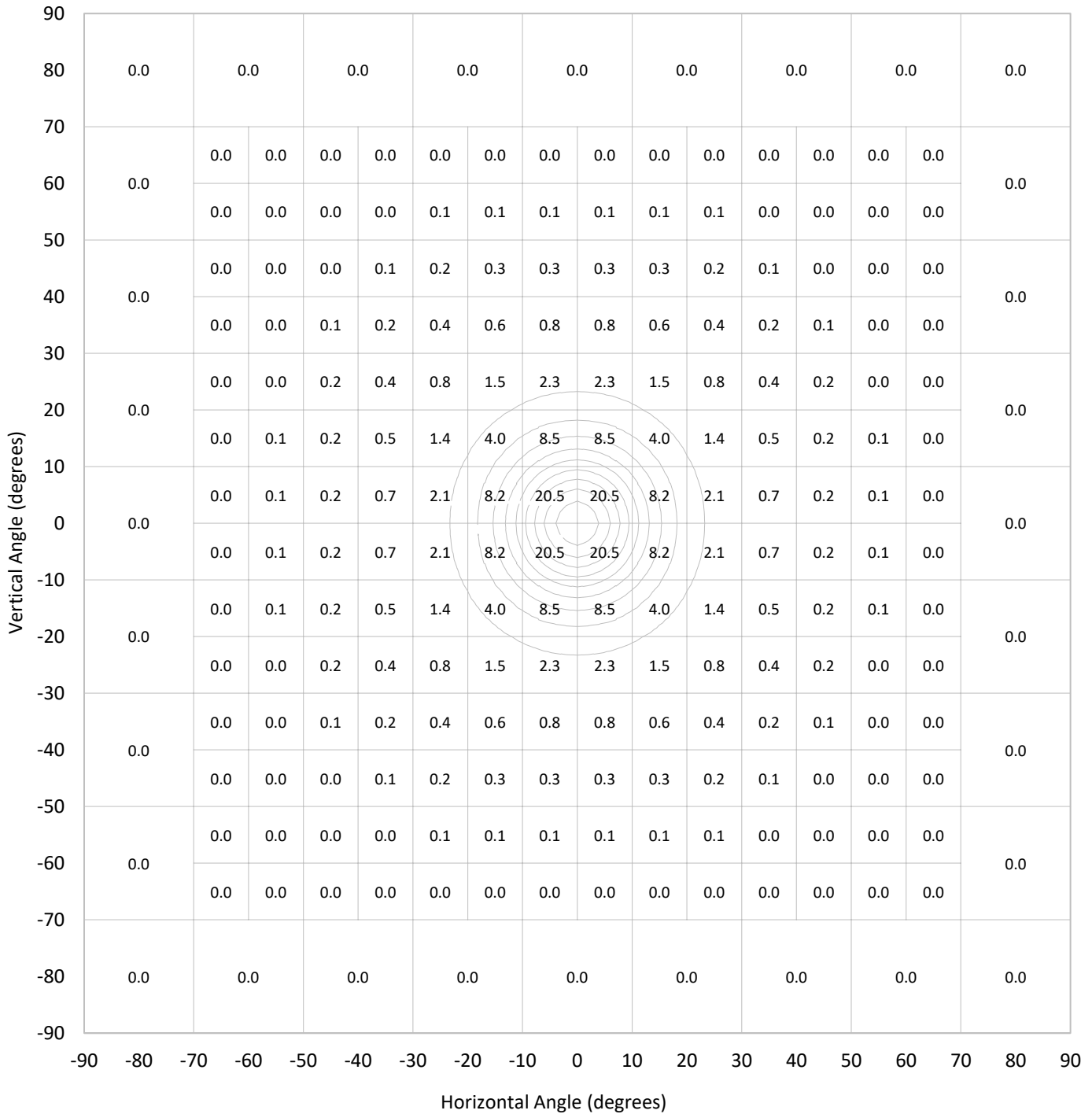
REPORT NUMBER: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot



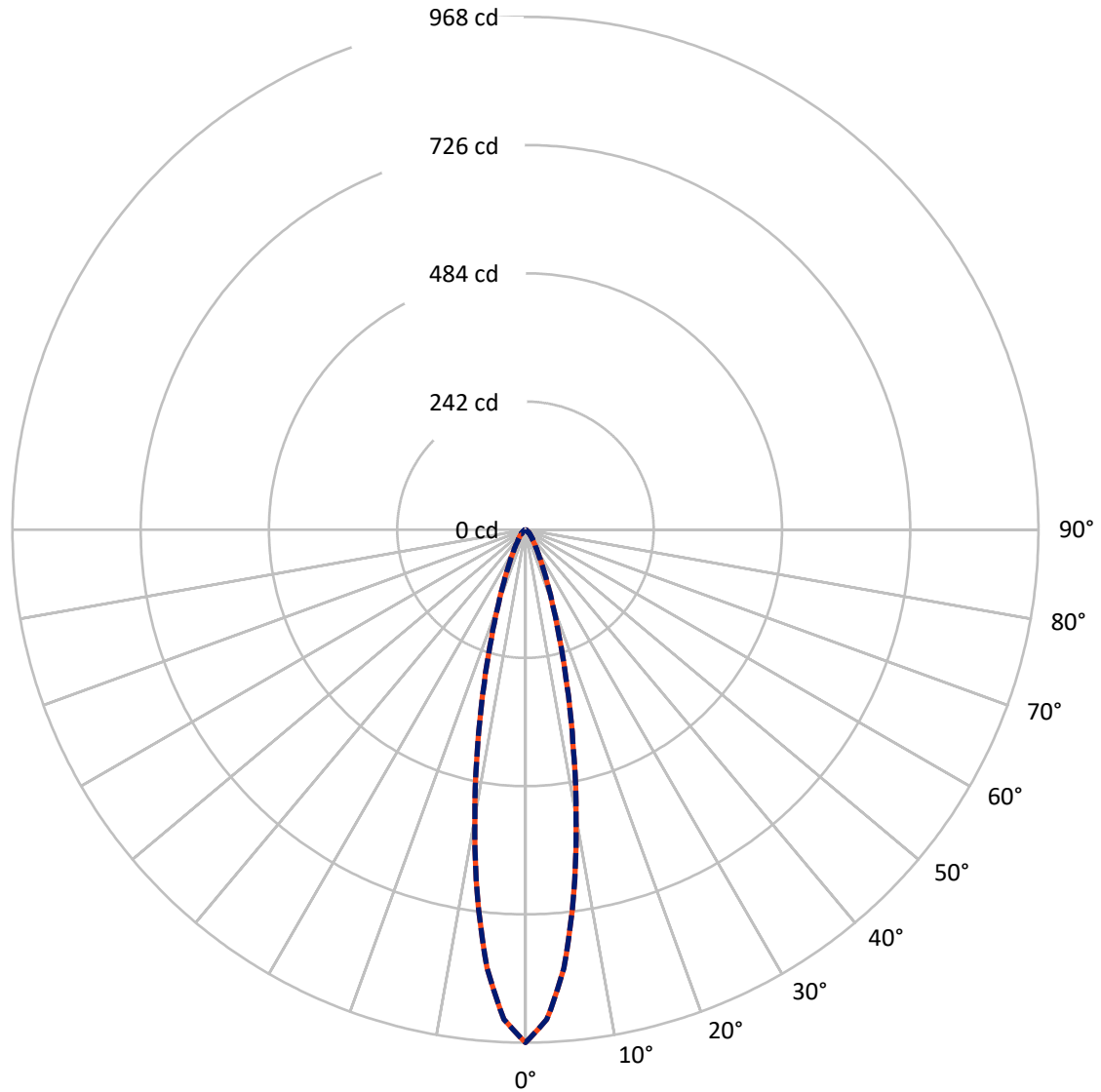
REPORT NUMBER: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



REPORT NUMBER: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
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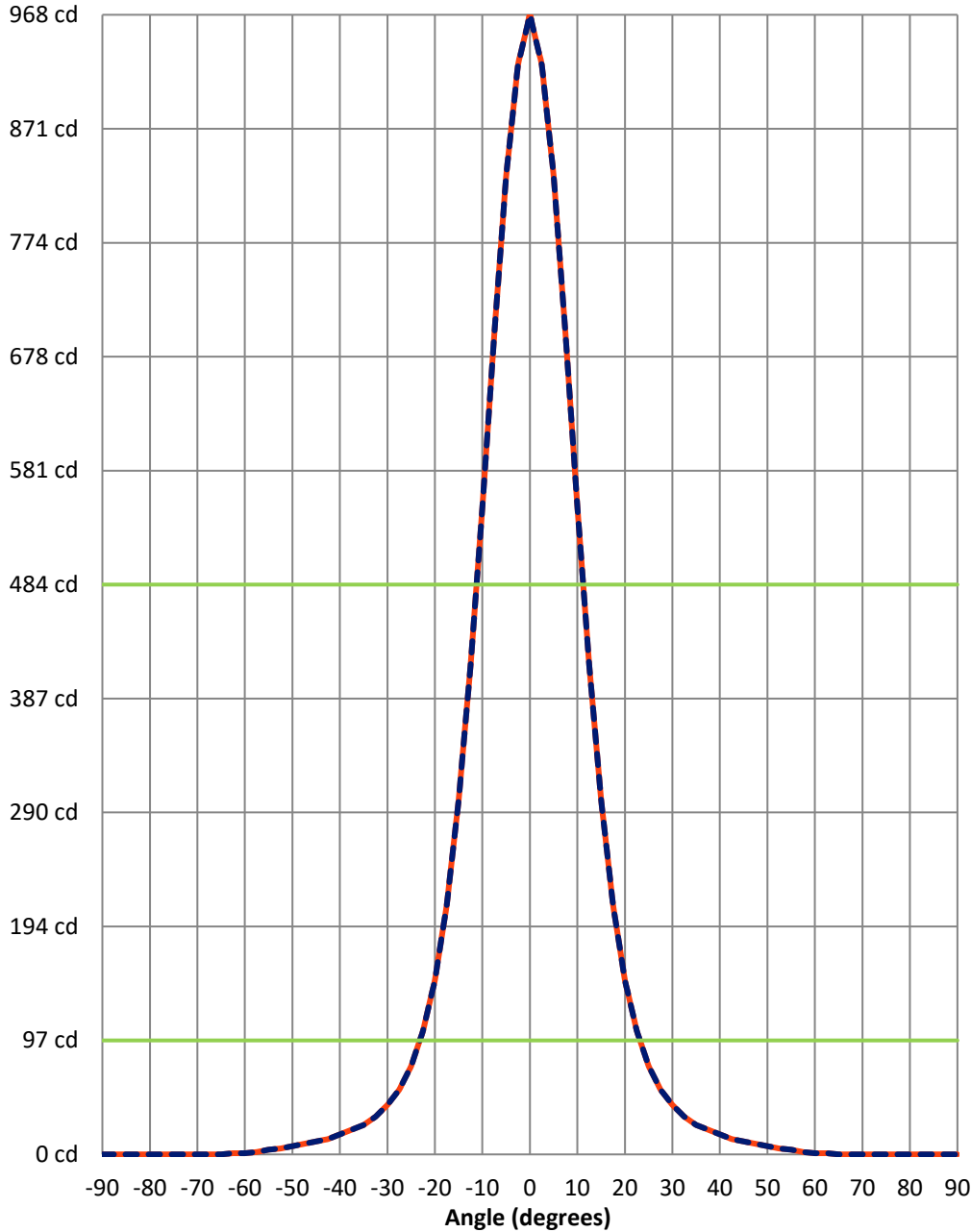
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 22.4°
 V Angle: 22.4°
 Lumens: 78.6
 Efficiency: 35.8%

Field:
 H Angle: 46.4°
 V Angle: 46.4°
 Lumens: 169.8
 Efficiency: 77.4%

Spill:
 Lumens: 49.7
 Efficiency: 22.6%

— 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: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-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: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-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	2	2	3
42.5°	0	0	0	0	1	1	1	2	2	4	4
40°	0	0	0	0	1	1	1	2	4	4	5
37.5°	0	0	0	1	1	1	2	3	4	5	6
35°	0	0	0	1	1	2	3	4	5	6	7
32.5°	0	0	1	1	1	2	4	5	6	7	9
30°	0	0	1	1	2	3	4	5	7	8	10
27.5°	0	1	1	1	2	4	5	6	8	9	11
25°	0	1	1	2	3	4	5	7	9	10	12
22.5°	0	1	1	2	3	5	6	8	9	11	13
20°	0	1	1	2	4	5	7	8	10	12	14
17.5°	0	1	1	3	4	5	7	9	11	13	16
15°	1	1	2	3	4	6	8	9	11	13	17
12.5°	1	1	2	3	5	6	8	10	12	14	18
10°	1	1	2	4	5	6	8	10	12	15	19
7.5°	1	1	2	4	5	7	9	11	13	16	20
5°	1	1	2	4	5	7	9	11	13	17	21
2.5°	1	1	2	4	5	7	9	11	13	17	21
0°	1	1	2	4	5	7	9	11	13	17	21
-2.5°	1	1	2	4	5	7	9	11	13	17	21
-5°	1	1	2	4	5	7	9	11	13	17	21
-7.5°	1	1	2	4	5	7	9	11	13	16	20
-10°	1	1	2	4	5	6	8	10	12	15	19
-12.5°	1	1	2	3	5	6	8	10	12	14	18
-15°	1	1	2	3	4	6	8	9	11	13	17
-17.5°	0	1	1	3	4	5	7	9	11	13	16
-20°	0	1	1	2	4	5	7	8	10	12	14



REPORT NUMBER: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-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	5	6	8	9	11	13
-25°	0	1	1	2	3	4	5	7	9	10	12
-27.5°	0	1	1	1	2	4	5	6	8	9	11
-30°	0	0	1	1	2	3	4	5	7	8	10
-32.5°	0	0	1	1	1	2	4	5	6	7	9
-35°	0	0	0	1	1	2	3	4	5	6	7
-37.5°	0	0	0	1	1	1	2	3	4	5	6
-40°	0	0	0	0	1	1	1	2	4	4	5
-42.5°	0	0	0	0	1	1	1	2	2	4	4
-45°	0	0	0	0	0	1	1	1	2	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: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-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	1	1	1	1	1	1	1	1
57.5°	0	1	1	1	1	1	1	1	2	2	2
55°	1	1	1	1	2	2	2	3	3	3	4
52.5°	1	1	2	2	3	3	4	4	4	5	5
50°	2	2	3	4	4	5	5	5	6	6	6
47.5°	3	4	4	5	5	6	7	7	8	8	8
45°	4	5	5	6	7	8	8	9	9	10	10
42.5°	5	6	7	8	9	9	10	11	11	12	12
40°	6	7	8	9	10	11	12	13	13	14	15
37.5°	7	9	10	11	12	13	14	16	17	18	19
35°	9	10	11	12	14	16	18	19	21	22	23
32.5°	10	11	13	14	17	19	21	23	24	26	28
30°	11	13	15	17	20	22	24	27	30	33	36
27.5°	12	14	17	20	23	25	29	33	38	42	47
25°	14	17	20	23	26	30	36	41	48	54	61
22.5°	16	19	22	25	30	36	43	51	60	70	81
20°	18	21	24	29	36	43	52	64	77	94	109
17.5°	19	23	27	33	41	51	64	80	100	124	147
15°	21	24	30	38	48	60	77	100	129	163	200
12.5°	22	26	33	42	54	70	94	124	163	209	267
10°	23	28	36	47	61	81	109	147	200	267	342
7.5°	24	30	39	50	67	91	126	174	239	322	416
5°	25	31	40	53	71	99	138	195	273	372	487
2.5°	25	32	42	54	74	103	145	208	294	404	534
0°	25	32	42	55	75	105	148	212	301	415	550
-2.5°	25	32	42	54	74	103	145	208	294	404	534
-5°	25	31	40	53	71	99	138	195	273	372	487
-7.5°	24	30	39	50	67	91	126	174	239	322	416
-10°	23	28	36	47	61	81	109	147	200	267	342
-12.5°	22	26	33	42	54	70	94	124	163	209	267
-15°	21	24	30	38	48	60	77	100	129	163	200
-17.5°	19	23	27	33	41	51	64	80	100	124	147
-20°	18	21	24	29	36	43	52	64	77	94	109



REPORT NUMBER: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	16	19	22	25	30	36	43	51	60	70	81
-25°	14	17	20	23	26	30	36	41	48	54	61
-27.5°	12	14	17	20	23	25	29	33	38	42	47
-30°	11	13	15	17	20	22	24	27	30	33	36
-32.5°	10	11	13	14	17	19	21	23	24	26	28
-35°	9	10	11	12	14	16	18	19	21	22	23
-37.5°	7	9	10	11	12	13	14	16	17	18	19
-40°	6	7	8	9	10	11	12	13	13	14	15
-42.5°	5	6	7	8	9	9	10	11	11	12	12
-45°	4	5	5	6	7	8	8	9	9	10	10
-47.5°	3	4	4	5	5	6	7	7	8	8	8
-50°	2	2	3	4	4	5	5	5	6	6	6
-52.5°	1	1	2	2	3	3	4	4	4	5	5
-55°	1	1	1	1	2	2	2	3	3	3	4
-57.5°	0	1	1	1	1	1	1	1	2	2	2
-60°	0	0	0	1	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: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-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	2	2	1
55°	4	4	4	4	4	4	4	4	3	3	3
52.5°	5	5	5	5	5	5	5	5	5	4	4
50°	7	7	7	7	7	7	7	6	6	6	5
47.5°	9	9	9	9	9	9	9	8	8	8	7
45°	11	11	11	11	11	11	11	10	10	9	9
42.5°	13	13	13	13	13	13	13	12	12	11	11
40°	16	17	17	17	17	17	16	15	14	13	13
37.5°	20	21	21	21	21	21	20	19	18	17	16
35°	24	25	25	25	25	25	24	23	22	21	19
32.5°	30	31	32	32	32	31	30	28	26	24	23
30°	39	40	42	42	42	40	39	36	33	30	27
27.5°	50	53	54	55	54	53	50	47	42	38	33
25°	67	71	74	75	74	71	67	61	54	48	41
22.5°	91	99	103	105	103	99	91	81	70	60	51
20°	126	138	145	148	145	138	126	109	94	77	64
17.5°	174	195	208	212	208	195	174	147	124	100	80
15°	239	273	294	301	294	273	239	200	163	129	100
12.5°	322	372	404	415	404	372	322	267	209	163	124
10°	416	487	534	550	534	487	416	342	267	200	147
7.5°	518	609	673	697	673	609	518	416	322	239	174
5°	609	722	802	831	802	722	609	487	372	273	195
2.5°	673	802	892	926	892	802	673	534	404	294	208
0°	697	831	926	968	926	831	697	550	415	301	212
-2.5°	673	802	892	926	892	802	673	534	404	294	208
-5°	609	722	802	831	802	722	609	487	372	273	195
-7.5°	518	609	673	697	673	609	518	416	322	239	174
-10°	416	487	534	550	534	487	416	342	267	200	147
-12.5°	322	372	404	415	404	372	322	267	209	163	124
-15°	239	273	294	301	294	273	239	200	163	129	100
-17.5°	174	195	208	212	208	195	174	147	124	100	80
-20°	126	138	145	148	145	138	126	109	94	77	64



REPORT NUMBER: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	91	99	103	105	103	99	91	81	70	60	51
-25°	67	71	74	75	74	71	67	61	54	48	41
-27.5°	50	53	54	55	54	53	50	47	42	38	33
-30°	39	40	42	42	42	40	39	36	33	30	27
-32.5°	30	31	32	32	32	31	30	28	26	24	23
-35°	24	25	25	25	25	25	24	23	22	21	19
-37.5°	20	21	21	21	21	21	20	19	18	17	16
-40°	16	17	17	17	17	17	16	15	14	13	13
-42.5°	13	13	13	13	13	13	13	12	12	11	11
-45°	11	11	11	11	11	11	11	10	10	9	9
-47.5°	9	9	9	9	9	9	9	8	8	8	7
-50°	7	7	7	7	7	7	7	6	6	6	5
-52.5°	5	5	5	5	5	5	5	5	5	4	4
-55°	4	4	4	4	4	4	4	4	3	3	3
-57.5°	2	2	2	2	2	2	2	2	2	2	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: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-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	1	0	0	0	0	0	0	0
57.5°	1	1	1	1	1	1	0	0	0	0	0
55°	2	2	2	1	1	1	1	1	0	0	0
52.5°	4	3	3	2	2	1	1	1	1	1	0
50°	5	5	4	4	3	2	2	1	1	1	1
47.5°	7	6	5	5	4	4	3	2	1	1	1
45°	8	8	7	6	5	5	4	3	2	2	1
42.5°	10	9	9	8	7	6	5	4	4	2	2
40°	12	11	10	9	8	7	6	5	4	4	2
37.5°	14	13	12	11	10	9	7	6	5	4	3
35°	18	16	14	12	11	10	9	7	6	5	4
32.5°	21	19	17	14	13	11	10	9	7	6	5
30°	24	22	20	17	15	13	11	10	8	7	5
27.5°	29	25	23	20	17	14	12	11	9	8	6
25°	36	30	26	23	20	17	14	12	10	9	7
22.5°	43	36	30	25	22	19	16	13	11	9	8
20°	52	43	36	29	24	21	18	14	12	10	8
17.5°	64	51	41	33	27	23	19	16	13	11	9
15°	77	60	48	38	30	24	21	17	13	11	9
12.5°	94	70	54	42	33	26	22	18	14	12	10
10°	109	81	61	47	36	28	23	19	15	12	10
7.5°	126	91	67	50	39	30	24	20	16	13	11
5°	138	99	71	53	40	31	25	21	17	13	11
2.5°	145	103	74	54	42	32	25	21	17	13	11
0°	148	105	75	55	42	32	25	21	17	13	11
-2.5°	145	103	74	54	42	32	25	21	17	13	11
-5°	138	99	71	53	40	31	25	21	17	13	11
-7.5°	126	91	67	50	39	30	24	20	16	13	11
-10°	109	81	61	47	36	28	23	19	15	12	10
-12.5°	94	70	54	42	33	26	22	18	14	12	10
-15°	77	60	48	38	30	24	21	17	13	11	9
-17.5°	64	51	41	33	27	23	19	16	13	11	9
-20°	52	43	36	29	24	21	18	14	12	10	8



REPORT NUMBER: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	43	36	30	25	22	19	16	13	11	9	8
-25°	36	30	26	23	20	17	14	12	10	9	7
-27.5°	29	25	23	20	17	14	12	11	9	8	6
-30°	24	22	20	17	15	13	11	10	8	7	5
-32.5°	21	19	17	14	13	11	10	9	7	6	5
-35°	18	16	14	12	11	10	9	7	6	5	4
-37.5°	14	13	12	11	10	9	7	6	5	4	3
-40°	12	11	10	9	8	7	6	5	4	4	2
-42.5°	10	9	9	8	7	6	5	4	4	2	2
-45°	8	8	7	6	5	5	4	3	2	2	1
-47.5°	7	6	5	5	4	4	3	2	1	1	1
-50°	5	5	4	4	3	2	2	1	1	1	1
-52.5°	4	3	3	2	2	1	1	1	1	1	0
-55°	2	2	2	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	1	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: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-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°	4	2	1	1	1	0	0	0	0	0	0
30°	4	3	2	1	1	0	0	0	0	0	0
27.5°	5	4	2	1	1	1	0	0	0	0	0
25°	5	4	3	2	1	1	0	0	0	0	0
22.5°	6	5	3	2	1	1	0	0	0	0	0
20°	7	5	4	2	1	1	0	0	0	0	0
17.5°	7	5	4	3	1	1	0	0	0	0	0
15°	8	6	4	3	2	1	1	0	0	0	0
12.5°	8	6	5	3	2	1	1	0	0	0	0
10°	8	6	5	4	2	1	1	0	0	0	0
7.5°	9	7	5	4	2	1	1	0	0	0	0
5°	9	7	5	4	2	1	1	0	0	0	0
2.5°	9	7	5	4	2	1	1	0	0	0	0
0°	9	7	5	4	2	1	1	0	0	0	0
-2.5°	9	7	5	4	2	1	1	0	0	0	0
-5°	9	7	5	4	2	1	1	0	0	0	0
-7.5°	9	7	5	4	2	1	1	0	0	0	0
-10°	8	6	5	4	2	1	1	0	0	0	0
-12.5°	8	6	5	3	2	1	1	0	0	0	0
-15°	8	6	4	3	2	1	1	0	0	0	0
-17.5°	7	5	4	3	1	1	0	0	0	0	0
-20°	7	5	4	2	1	1	0	0	0	0	0



REPORT NUMBER: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6	5	3	2	1	1	0	0	0	0	0
-25°	5	4	3	2	1	1	0	0	0	0	0
-27.5°	5	4	2	1	1	1	0	0	0	0	0
-30°	4	3	2	1	1	0	0	0	0	0	0
-32.5°	4	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: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-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: G2-1802-569-24 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED4010-12-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)