

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: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Test Date: 04/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
Test Lab: INNOVATION CENTER(G2)
Test Date: 04/05/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-8LED4010-12-CS-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD SILVER, DIFFUSED LENS
Light Source: (1) SORAA 4000K 95 CRI 10° NSP LED SM16-07-10D-940-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

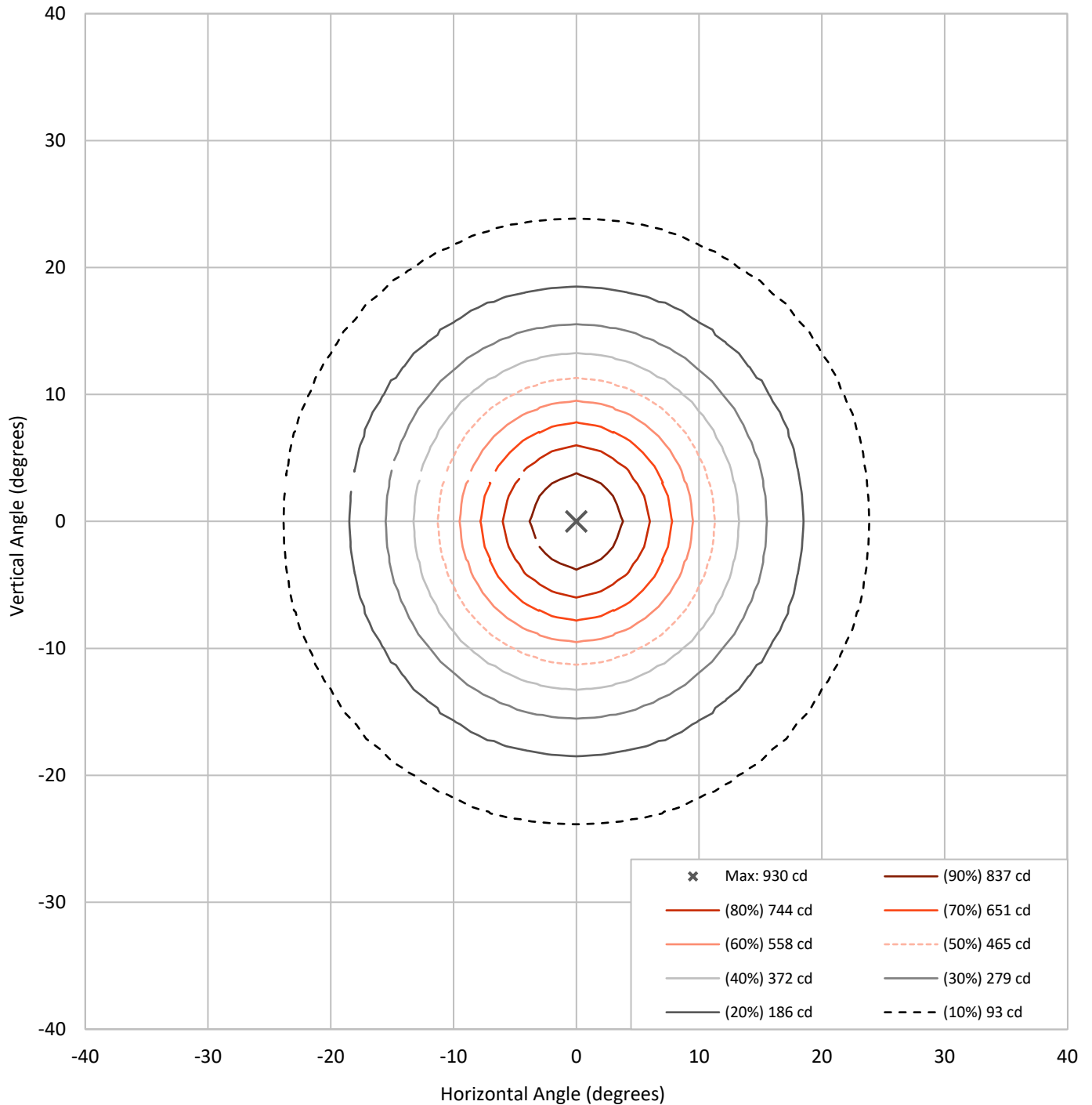
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	232.4 lumens	Max Intensity:	930 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	31.0 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	22.6°H x 22.6°V	Field Angle (10%):	47.7°H x 47.7°V
Beam Lumens:	75.5 lumens	Field Lumens:	167.1 lumens
Beam Efficiency:	32.5%	Field Efficiency:	71.9%
Input Watts (W):	7.5		
Input Voltage (V):	12.0		
Input Current (Ain):	0.656		
Voltage Rise (V):	NR		
Power Factor:	0.9482		
Total Harmonic Distortion (THDi):	27.5%		
Frequency (hertz):	60		
Stabilization Time:	0.5 HR		
Operation Time:	9 HR		
Ambient Temperature (°C):	24.7		
Test Distance:	25 FT		



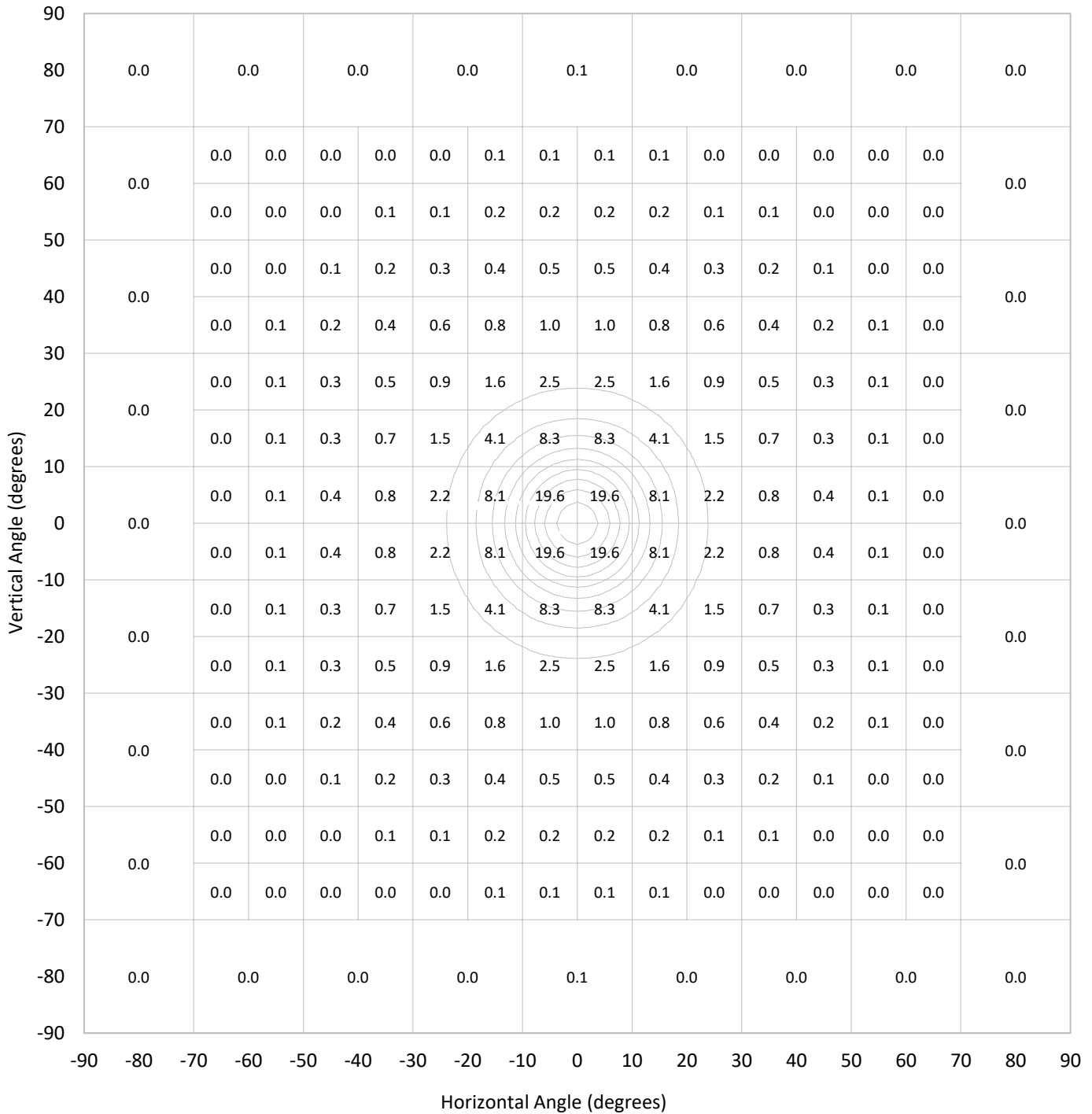
REPORT NUMBER: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED4010-12-CS-DIFF

Iso-Candela Plot



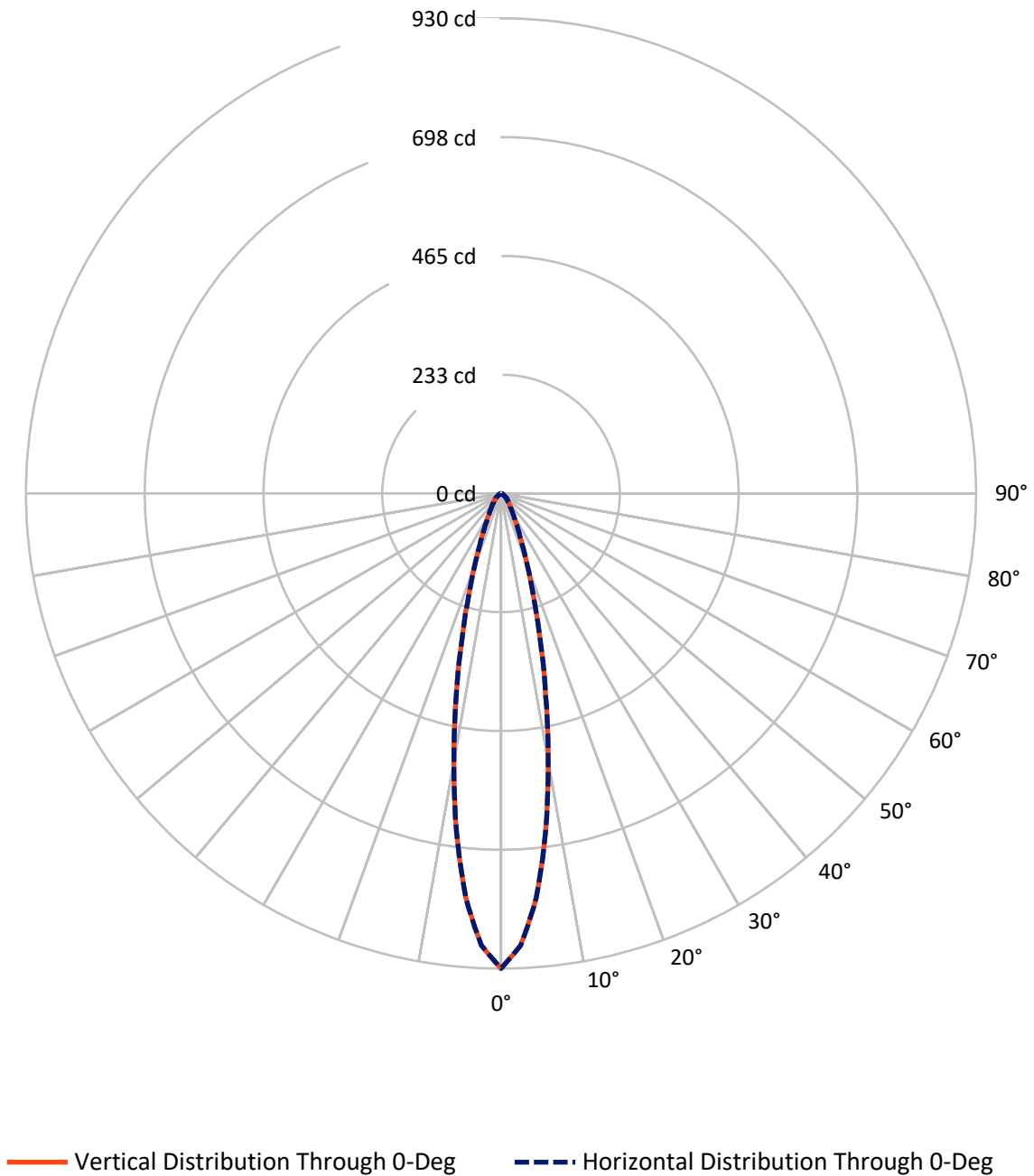
REPORT NUMBER: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



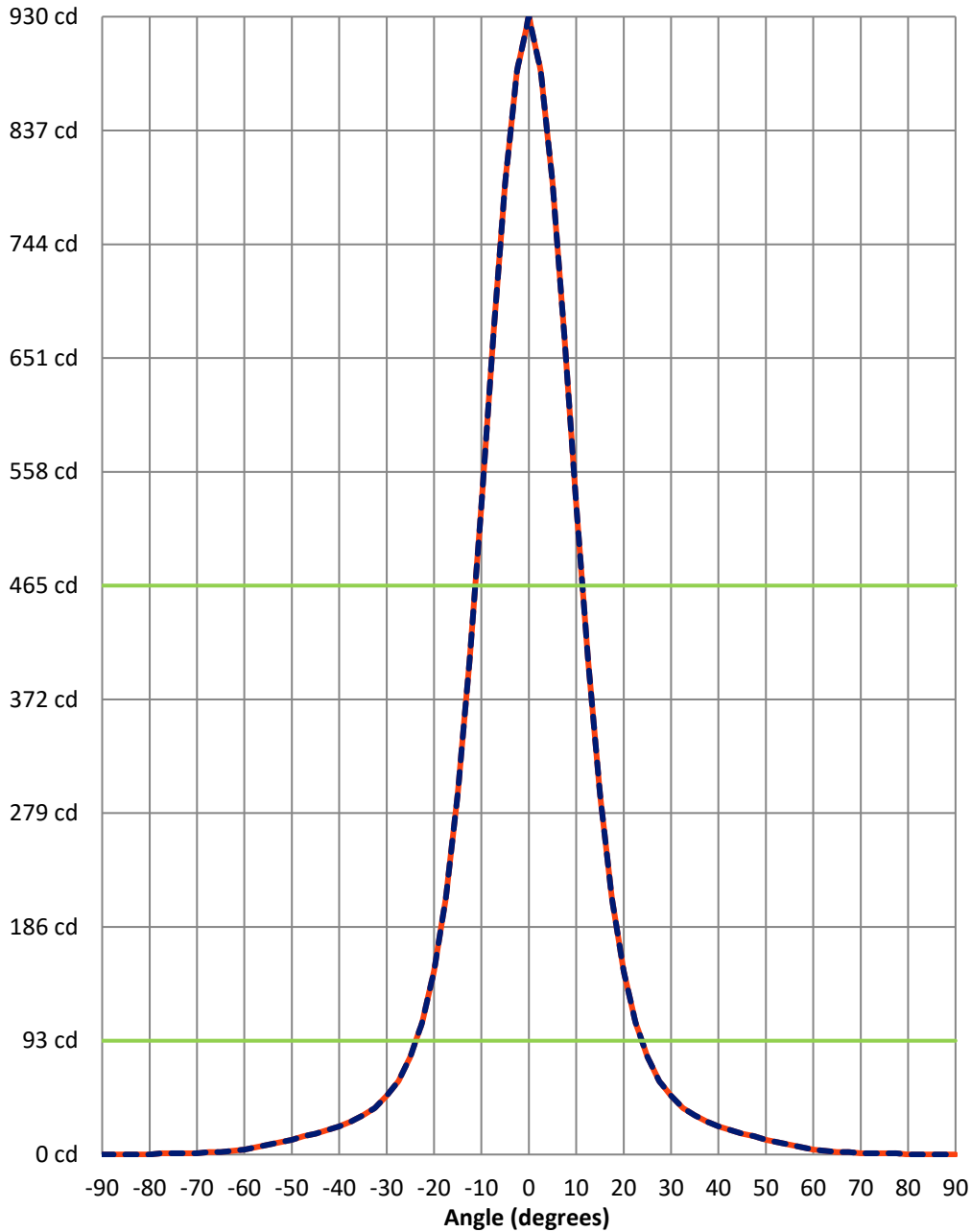
REPORT NUMBER: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 22.6°
 V Angle: 22.6°
 Lumens: 75.5
 Efficiency: 32.5%

Field:
 H Angle: 47.7°
 V Angle: 47.7°
 Lumens: 167.1
 Efficiency: 71.9%

Spill:
 Lumens: 65.3
 Efficiency: 28.1%

- 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	1
60°	0	0	0	0	0	0	0	0	0	0	1
57.5°	0	0	0	0	0	0	0	0	0	1	1
55°	0	0	0	0	0	0	0	0	1	1	1
52.5°	0	0	0	0	0	0	0	0	1	1	1
50°	0	0	0	0	0	0	0	0	1	1	1
47.5°	0	0	0	0	0	0	0	1	1	1	1
45°	0	0	0	0	0	0	0	1	1	1	1
42.5°	0	0	0	0	0	0	0	1	1	1	1
40°	0	0	0	0	0	0	1	1	1	1	1
37.5°	0	0	0	0	0	0	1	1	1	1	1
35°	0	0	0	0	0	0	1	1	1	1	1
32.5°	0	0	0	0	0	0	1	1	1	1	1
30°	0	0	0	0	0	0	1	1	1	1	2
27.5°	0	0	0	0	0	0	1	1	1	1	2
25°	0	0	0	0	0	1	1	1	1	1	2
22.5°	0	0	0	0	0	1	1	1	1	1	2
20°	0	0	0	0	0	1	1	1	1	1	2
17.5°	0	0	0	0	0	1	1	1	1	2	2
15°	0	0	0	0	0	1	1	1	1	2	2
12.5°	0	0	0	0	0	1	1	1	1	2	2
10°	0	0	0	0	0	1	1	1	1	2	2
7.5°	0	0	0	0	0	1	1	1	1	2	2
5°	0	0	0	0	0	1	1	1	1	2	2
2.5°	0	0	0	0	0	1	1	1	1	2	2
0°	0	0	0	0	0	1	1	1	1	2	2
-2.5°	0	0	0	0	0	1	1	1	1	2	2
-5°	0	0	0	0	0	1	1	1	1	2	2
-7.5°	0	0	0	0	0	1	1	1	1	2	2
-10°	0	0	0	0	0	1	1	1	1	2	2
-12.5°	0	0	0	0	0	1	1	1	1	2	2
-15°	0	0	0	0	0	1	1	1	1	2	2
-17.5°	0	0	0	0	0	1	1	1	1	2	2
-20°	0	0	0	0	0	1	1	1	1	1	2



REPORT NUMBER: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-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	1	1	1	1	1	2
-25°	0	0	0	0	0	1	1	1	1	1	2
-27.5°	0	0	0	0	0	0	1	1	1	1	2
-30°	0	0	0	0	0	0	1	1	1	1	2
-32.5°	0	0	0	0	0	0	1	1	1	1	1
-35°	0	0	0	0	0	0	1	1	1	1	1
-37.5°	0	0	0	0	0	0	1	1	1	1	1
-40°	0	0	0	0	0	0	1	1	1	1	1
-42.5°	0	0	0	0	0	0	0	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	1	1	1	1
-50°	0	0	0	0	0	0	0	0	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	1	1	1
-57.5°	0	0	0	0	0	0	0	0	0	1	1
-60°	0	0	0	0	0	0	0	0	0	0	1
-62.5°	0	0	0	0	0	0	0	0	0	0	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: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-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	1	1
72.5°	0	0	0	0	0	0	1	1	1	1	1
70°	0	0	0	1	1	1	1	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	2
60°	1	1	1	1	1	1	1	1	2	2	2
57.5°	1	1	1	1	1	1	2	2	2	2	2
55°	1	1	1	1	1	2	2	2	2	2	3
52.5°	1	1	1	1	2	2	2	2	3	3	4
50°	1	1	1	2	2	2	2	3	3	4	5
47.5°	1	1	2	2	2	2	3	3	4	5	6
45°	1	1	2	2	2	3	3	4	5	6	7
42.5°	1	2	2	2	3	3	4	5	6	8	9
40°	1	2	2	2	3	4	5	6	8	9	10
37.5°	2	2	2	3	4	5	6	7	9	10	11
35°	2	2	2	3	4	5	7	8	10	11	13
32.5°	2	2	3	4	5	6	8	9	11	12	14
30°	2	2	3	4	5	7	9	10	12	14	16
27.5°	2	3	3	4	6	8	9	11	13	15	17
25°	2	3	4	5	7	9	10	12	14	16	18
22.5°	2	3	4	6	7	9	11	13	15	17	20
20°	2	3	4	6	8	10	12	14	16	18	21
17.5°	2	3	5	7	8	10	12	15	17	19	22
15°	3	4	5	7	9	11	13	15	17	20	23
12.5°	3	4	5	7	9	11	14	16	18	21	24
10°	3	4	6	8	9	11	14	16	19	22	25
7.5°	3	4	6	8	10	12	14	17	19	22	26
5°	3	4	6	8	10	12	15	17	20	23	27
2.5°	3	4	6	8	10	12	15	17	20	23	27
0°	3	4	6	8	10	12	15	17	20	23	27
-2.5°	3	4	6	8	10	12	15	17	20	23	27
-5°	3	4	6	8	10	12	15	17	20	23	27
-7.5°	3	4	6	8	10	12	14	17	19	22	26
-10°	3	4	6	8	9	11	14	16	19	22	25
-12.5°	3	4	5	7	9	11	14	16	18	21	24
-15°	3	4	5	7	9	11	13	15	17	20	23
-17.5°	2	3	5	7	8	10	12	15	17	19	22
-20°	2	3	4	6	8	10	12	14	16	18	21



REPORT NUMBER: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-DIFF

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2	3	4	6	7	9	11	13	15	17	20
-25°	2	3	4	5	7	9	10	12	14	16	18
-27.5°	2	3	3	4	6	8	9	11	13	15	17
-30°	2	2	3	4	5	7	9	10	12	14	16
-32.5°	2	2	3	4	5	6	8	9	11	12	14
-35°	2	2	2	3	4	5	7	8	10	11	13
-37.5°	2	2	2	3	4	5	6	7	9	10	11
-40°	1	2	2	2	3	4	5	6	8	9	10
-42.5°	1	2	2	2	3	3	4	5	6	8	9
-45°	1	1	2	2	2	3	3	4	5	6	7
-47.5°	1	1	2	2	2	2	3	3	4	5	6
-50°	1	1	1	2	2	2	2	3	3	4	5
-52.5°	1	1	1	1	2	2	2	2	3	3	4
-55°	1	1	1	1	1	2	2	2	2	2	3
-57.5°	1	1	1	1	1	1	2	2	2	2	2
-60°	1	1	1	1	1	1	1	1	2	2	2
-62.5°	1	1	1	1	1	1	1	1	1	1	2
-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	1	1	1	1	1	1	1	1
-72.5°	0	0	0	0	0	0	1	1	1	1	1
-75°	0	0	0	0	0	0	0	0	0	1	1
-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: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-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	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	2	2	2	2
65°	1	1	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	3	3	3
60°	2	2	2	3	3	3	3	3	4	4	4
57.5°	2	3	3	3	4	4	4	5	5	5	6
55°	3	4	4	4	5	6	6	7	7	7	8
52.5°	4	5	5	6	7	7	8	8	9	9	9
50°	5	6	7	8	9	9	10	10	11	11	11
47.5°	7	8	9	9	10	11	12	12	13	14	14
45°	8	9	10	11	12	13	14	15	15	16	16
42.5°	10	11	12	13	14	15	16	17	17	18	19
40°	11	12	14	15	16	17	18	19	20	21	22
37.5°	13	14	16	17	18	20	21	22	23	24	25
35°	15	16	17	19	21	22	24	25	27	28	30
32.5°	16	17	19	21	23	25	27	29	31	33	35
30°	17	19	21	23	26	28	31	34	36	39	42
27.5°	19	21	23	26	29	32	36	39	44	48	52
25°	21	23	26	29	33	36	42	47	53	59	66
22.5°	22	25	28	32	36	42	49	57	65	75	85
20°	24	27	31	36	42	49	58	69	82	97	112
17.5°	25	29	34	39	47	57	69	85	104	127	149
15°	27	31	36	44	53	65	82	104	132	164	199
12.5°	28	33	39	48	59	75	97	127	164	207	262
10°	30	35	42	52	66	85	112	149	199	262	334
7.5°	31	36	45	56	72	95	128	174	236	315	405
5°	31	37	46	58	76	102	140	194	268	363	472
2.5°	32	38	48	59	79	107	147	206	288	393	516
0°	32	38	48	60	80	108	150	210	295	404	531
-2.5°	32	38	48	59	79	107	147	206	288	393	516
-5°	31	37	46	58	76	102	140	194	268	363	472
-7.5°	31	36	45	56	72	95	128	174	236	315	405
-10°	30	35	42	52	66	85	112	149	199	262	334
-12.5°	28	33	39	48	59	75	97	127	164	207	262
-15°	27	31	36	44	53	65	82	104	132	164	199
-17.5°	25	29	34	39	47	57	69	85	104	127	149
-20°	24	27	31	36	42	49	58	69	82	97	112



REPORT NUMBER: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-DIFF

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	22	25	28	32	36	42	49	57	65	75	85
-25°	21	23	26	29	33	36	42	47	53	59	66
-27.5°	19	21	23	26	29	32	36	39	44	48	52
-30°	17	19	21	23	26	28	31	34	36	39	42
-32.5°	16	17	19	21	23	25	27	29	31	33	35
-35°	15	16	17	19	21	22	24	25	27	28	30
-37.5°	13	14	16	17	18	20	21	22	23	24	25
-40°	11	12	14	15	16	17	18	19	20	21	22
-42.5°	10	11	12	13	14	15	16	17	17	18	19
-45°	8	9	10	11	12	13	14	15	15	16	16
-47.5°	7	8	9	9	10	11	12	12	13	14	14
-50°	5	6	7	8	9	9	10	10	11	11	11
-52.5°	4	5	5	6	7	7	8	8	9	9	9
-55°	3	4	4	4	5	6	6	7	7	7	8
-57.5°	2	3	3	3	4	4	4	5	5	5	6
-60°	2	2	2	3	3	3	3	3	4	4	4
-62.5°	2	2	2	2	2	2	2	2	3	3	3
-65°	1	1	2	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	2	2	2	2
-70°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	0	0	0	0	1	1	1	1	1	1	1
-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: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-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°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	3	3	2
60°	4	4	4	4	4	4	4	4	4	4	3
57.5°	6	6	6	6	6	6	6	6	5	5	5
55°	8	8	8	8	8	8	8	8	7	7	7
52.5°	10	10	10	10	10	10	10	9	9	9	8
50°	12	12	12	12	12	12	12	11	11	11	10
47.5°	14	15	15	15	15	15	14	14	14	13	12
45°	17	17	17	17	17	17	17	16	16	15	15
42.5°	19	20	20	20	20	20	19	19	18	17	17
40°	22	23	23	23	23	23	22	22	21	20	19
37.5°	26	27	27	27	27	27	26	25	24	23	22
35°	31	31	32	32	32	31	31	30	28	27	25
32.5°	36	37	38	38	38	37	36	35	33	31	29
30°	45	46	48	48	48	46	45	42	39	36	34
27.5°	56	58	59	60	59	58	56	52	48	44	39
25°	72	76	79	80	79	76	72	66	59	53	47
22.5°	95	102	107	108	107	102	95	85	75	65	57
20°	128	140	147	150	147	140	128	112	97	82	69
17.5°	174	194	206	210	206	194	174	149	127	104	85
15°	236	268	288	295	288	268	236	199	164	132	104
12.5°	315	363	393	404	393	363	315	262	207	164	127
10°	405	472	516	531	516	472	405	334	262	199	149
7.5°	501	585	646	669	646	585	501	405	315	236	174
5°	585	692	767	794	767	692	585	472	363	268	194
2.5°	646	767	852	886	852	767	646	516	393	288	206
0°	669	794	886	930	886	794	669	531	404	295	210
-2.5°	646	767	852	886	852	767	646	516	393	288	206
-5°	585	692	767	794	767	692	585	472	363	268	194
-7.5°	501	585	646	669	646	585	501	405	315	236	174
-10°	405	472	516	531	516	472	405	334	262	199	149
-12.5°	315	363	393	404	393	363	315	262	207	164	127
-15°	236	268	288	295	288	268	236	199	164	132	104
-17.5°	174	194	206	210	206	194	174	149	127	104	85
-20°	128	140	147	150	147	140	128	112	97	82	69



REPORT NUMBER: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-DIFF

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	95	102	107	108	107	102	95	85	75	65	57
-25°	72	76	79	80	79	76	72	66	59	53	47
-27.5°	56	58	59	60	59	58	56	52	48	44	39
-30°	45	46	48	48	48	46	45	42	39	36	34
-32.5°	36	37	38	38	38	37	36	35	33	31	29
-35°	31	31	32	32	32	31	31	30	28	27	25
-37.5°	26	27	27	27	27	27	26	25	24	23	22
-40°	22	23	23	23	23	23	22	22	21	20	19
-42.5°	19	20	20	20	20	20	19	19	18	17	17
-45°	17	17	17	17	17	17	17	16	16	15	15
-47.5°	14	15	15	15	15	15	14	14	14	13	12
-50°	12	12	12	12	12	12	12	11	11	11	10
-52.5°	10	10	10	10	10	10	10	9	9	9	8
-55°	8	8	8	8	8	8	8	8	7	7	7
-57.5°	6	6	6	6	6	6	6	6	5	5	5
-60°	4	4	4	4	4	4	4	4	4	4	3
-62.5°	3	3	3	3	3	3	3	3	3	3	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1
-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: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-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°	1	1	1	0	0	0	0	0	0	0	0
75°	1	1	1	1	1	1	1	1	1	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	1
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°	2	2	2	2	2	1	1	1	1	1	1
62.5°	2	2	2	2	2	2	2	2	1	1	1
60°	3	3	3	3	2	2	2	2	2	2	1
57.5°	4	4	4	3	3	3	2	2	2	2	2
55°	6	6	5	4	4	4	3	3	2	2	2
52.5°	8	7	7	6	5	5	4	4	3	3	2
50°	10	9	9	8	7	6	5	5	4	3	3
47.5°	12	11	10	9	9	8	7	6	5	4	3
45°	14	13	12	11	10	9	8	7	6	5	4
42.5°	16	15	14	13	12	11	10	9	8	6	5
40°	18	17	16	15	14	12	11	10	9	8	6
37.5°	21	20	18	17	16	14	13	11	10	9	7
35°	24	22	21	19	17	16	15	13	11	10	8
32.5°	27	25	23	21	19	17	16	14	12	11	9
30°	31	28	26	23	21	19	17	16	14	12	10
27.5°	36	32	29	26	23	21	19	17	15	13	11
25°	42	36	33	29	26	23	21	18	16	14	12
22.5°	49	42	36	32	28	25	22	20	17	15	13
20°	58	49	42	36	31	27	24	21	18	16	14
17.5°	69	57	47	39	34	29	25	22	19	17	15
15°	82	65	53	44	36	31	27	23	20	17	15
12.5°	97	75	59	48	39	33	28	24	21	18	16
10°	112	85	66	52	42	35	30	25	22	19	16
7.5°	128	95	72	56	45	36	31	26	22	19	17
5°	140	102	76	58	46	37	31	27	23	20	17
2.5°	147	107	79	59	48	38	32	27	23	20	17
0°	150	108	80	60	48	38	32	27	23	20	17
-2.5°	147	107	79	59	48	38	32	27	23	20	17
-5°	140	102	76	58	46	37	31	27	23	20	17
-7.5°	128	95	72	56	45	36	31	26	22	19	17
-10°	112	85	66	52	42	35	30	25	22	19	16
-12.5°	97	75	59	48	39	33	28	24	21	18	16
-15°	82	65	53	44	36	31	27	23	20	17	15
-17.5°	69	57	47	39	34	29	25	22	19	17	15
-20°	58	49	42	36	31	27	24	21	18	16	14



REPORT NUMBER: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-DIFF

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	49	42	36	32	28	25	22	20	17	15	13
-25°	42	36	33	29	26	23	21	18	16	14	12
-27.5°	36	32	29	26	23	21	19	17	15	13	11
-30°	31	28	26	23	21	19	17	16	14	12	10
-32.5°	27	25	23	21	19	17	16	14	12	11	9
-35°	24	22	21	19	17	16	15	13	11	10	8
-37.5°	21	20	18	17	16	14	13	11	10	9	7
-40°	18	17	16	15	14	12	11	10	9	8	6
-42.5°	16	15	14	13	12	11	10	9	8	6	5
-45°	14	13	12	11	10	9	8	7	6	5	4
-47.5°	12	11	10	9	9	8	7	6	5	4	3
-50°	10	9	9	8	7	6	5	5	4	3	3
-52.5°	8	7	7	6	5	5	4	4	3	3	2
-55°	6	6	5	4	4	4	3	3	2	2	2
-57.5°	4	4	4	3	3	3	2	2	2	2	2
-60°	3	3	3	3	2	2	2	2	2	2	1
-62.5°	2	2	2	2	2	2	2	2	1	1	1
-65°	2	2	2	2	2	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°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	0	0
-77.5°	1	1	1	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: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-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°	1	0	0	0	0	0	0	0	0	0	0
70°	1	1	1	1	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	0	0	0	0
62.5°	1	1	1	1	1	1	1	1	0	0	0
60°	1	1	1	1	1	1	1	1	0	0	0
57.5°	2	1	1	1	1	1	1	1	1	0	0
55°	2	2	1	1	1	1	1	1	1	1	0
52.5°	2	2	2	1	1	1	1	1	1	1	0
50°	2	2	2	2	1	1	1	1	1	1	0
47.5°	3	2	2	2	2	1	1	1	1	1	1
45°	3	3	2	2	2	1	1	1	1	1	1
42.5°	4	3	3	2	2	2	1	1	1	1	1
40°	5	4	3	2	2	2	1	1	1	1	1
37.5°	6	5	4	3	2	2	2	1	1	1	1
35°	7	5	4	3	2	2	2	1	1	1	1
32.5°	8	6	5	4	3	2	2	1	1	1	1
30°	9	7	5	4	3	2	2	2	1	1	1
27.5°	9	8	6	4	3	3	2	2	1	1	1
25°	10	9	7	5	4	3	2	2	1	1	1
22.5°	11	9	7	6	4	3	2	2	1	1	1
20°	12	10	8	6	4	3	2	2	1	1	1
17.5°	12	10	8	7	5	3	2	2	2	1	1
15°	13	11	9	7	5	4	3	2	2	1	1
12.5°	14	11	9	7	5	4	3	2	2	1	1
10°	14	11	9	8	6	4	3	2	2	1	1
7.5°	14	12	10	8	6	4	3	2	2	1	1
5°	15	12	10	8	6	4	3	2	2	1	1
2.5°	15	12	10	8	6	4	3	2	2	1	1
0°	15	12	10	8	6	4	3	2	2	1	1
-2.5°	15	12	10	8	6	4	3	2	2	1	1
-5°	15	12	10	8	6	4	3	2	2	1	1
-7.5°	14	12	10	8	6	4	3	2	2	1	1
-10°	14	11	9	8	6	4	3	2	2	1	1
-12.5°	14	11	9	7	5	4	3	2	2	1	1
-15°	13	11	9	7	5	4	3	2	2	1	1
-17.5°	12	10	8	7	5	3	2	2	2	1	1
-20°	12	10	8	6	4	3	2	2	1	1	1



REPORT NUMBER: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-DIFF

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	11	9	7	6	4	3	2	2	1	1	1
-25°	10	9	7	5	4	3	2	2	1	1	1
-27.5°	9	8	6	4	3	3	2	2	1	1	1
-30°	9	7	5	4	3	2	2	2	1	1	1
-32.5°	8	6	5	4	3	2	2	1	1	1	1
-35°	7	5	4	3	2	2	2	1	1	1	1
-37.5°	6	5	4	3	2	2	2	1	1	1	1
-40°	5	4	3	2	2	2	1	1	1	1	1
-42.5°	4	3	3	2	2	2	1	1	1	1	1
-45°	3	3	2	2	2	1	1	1	1	1	1
-47.5°	3	2	2	2	2	1	1	1	1	1	1
-50°	2	2	2	2	1	1	1	1	1	1	0
-52.5°	2	2	2	1	1	1	1	1	1	1	0
-55°	2	2	1	1	1	1	1	1	1	1	0
-57.5°	2	1	1	1	1	1	1	1	1	0	0
-60°	1	1	1	1	1	1	1	1	0	0	0
-62.5°	1	1	1	1	1	1	1	1	0	0	0
-65°	1	1	1	1	1	1	1	0	0	0	0
-67.5°	1	1	1	1	1	0	0	0	0	0	0
-70°	1	1	1	1	0	0	0	0	0	0	0
-72.5°	1	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: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-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°	1	0	0	0	0	0	0
37.5°	1	0	0	0	0	0	0
35°	1	0	0	0	0	0	0
32.5°	1	0	0	0	0	0	0
30°	1	0	0	0	0	0	0
27.5°	1	0	0	0	0	0	0
25°	1	1	0	0	0	0	0
22.5°	1	1	0	0	0	0	0
20°	1	1	0	0	0	0	0
17.5°	1	1	0	0	0	0	0
15°	1	1	0	0	0	0	0
12.5°	1	1	0	0	0	0	0
10°	1	1	0	0	0	0	0
7.5°	1	1	0	0	0	0	0
5°	1	1	0	0	0	0	0
2.5°	1	1	0	0	0	0	0
0°	1	1	0	0	0	0	0
-2.5°	1	1	0	0	0	0	0
-5°	1	1	0	0	0	0	0
-7.5°	1	1	0	0	0	0	0
-10°	1	1	0	0	0	0	0
-12.5°	1	1	0	0	0	0	0
-15°	1	1	0	0	0	0	0
-17.5°	1	1	0	0	0	0	0
-20°	1	1	0	0	0	0	0



REPORT NUMBER: G2-1802-569-36 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-DIFF

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1	1	0	0	0	0	0
-25°	1	1	0	0	0	0	0
-27.5°	1	0	0	0	0	0	0
-30°	1	0	0	0	0	0	0
-32.5°	1	0	0	0	0	0	0
-35°	1	0	0	0	0	0	0
-37.5°	1	0	0	0	0	0	0
-40°	1	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)