

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: G2-1802-569-37 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Test Date: 04/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-37 (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-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD SILVER, LINEAR SPREAD LENS
Light Source: (1) SORAA 4000K 95 CRI 10° NSP LED SM16-07-10D-940-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

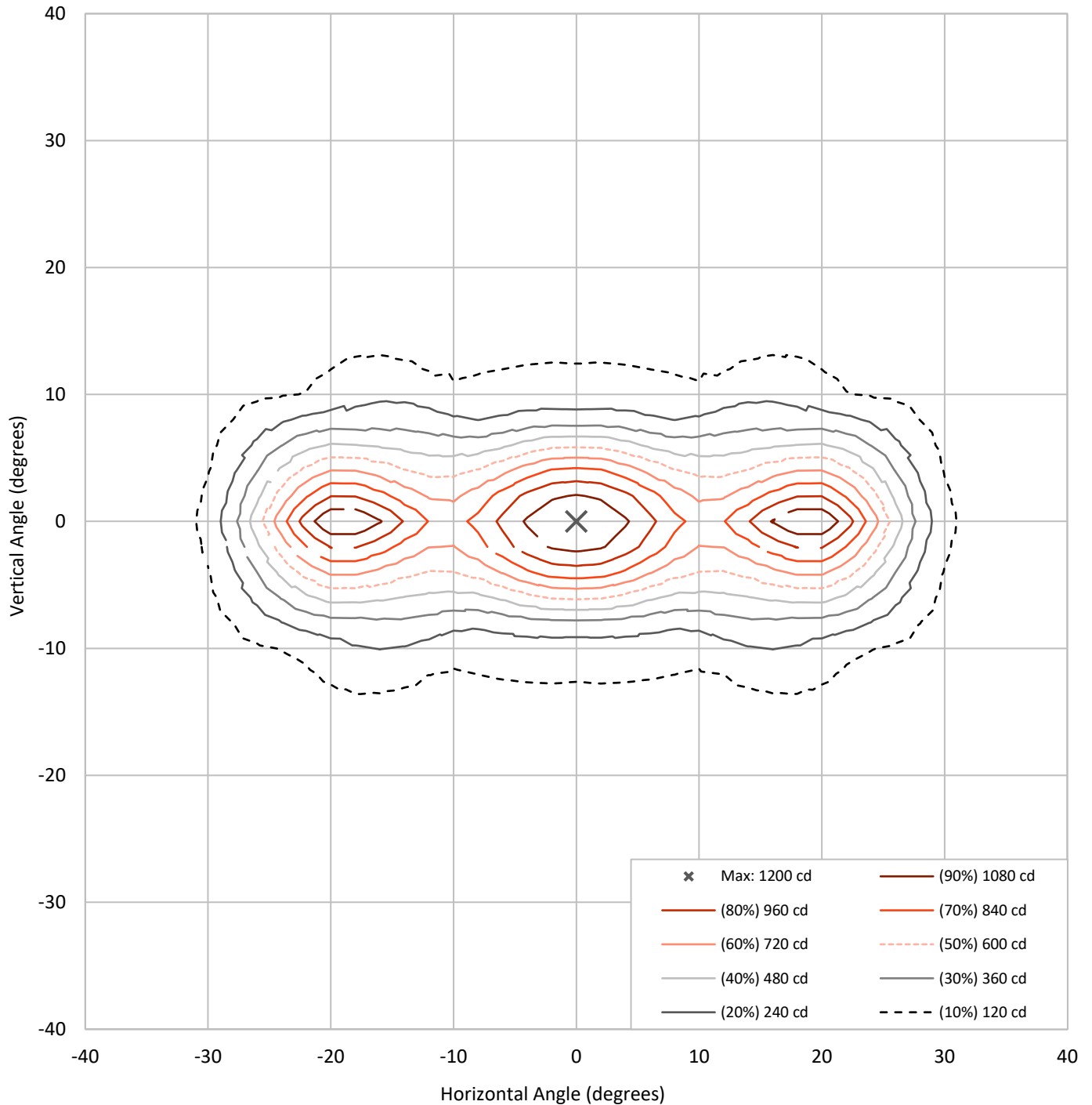
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 2V
Luminaire Lumens:	252.6 lumens	Max Intensity:	1200 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	33.7 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	51.1°H x 12°V	Field Angle (10%):	61.9°H x 24.8°V
Beam Lumens:	114.1 lumens	Field Lumens:	192.8 lumens
Beam Efficiency:	45.1%	Field Efficiency:	76.3%
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):	25.7		
Frequency (hertz):	60		
Stabilization Time:	0.5 HR		
Operation Time:	9 HR		
Ambient Temperature (°C):	24.7		
Test Distance:	25 FT		



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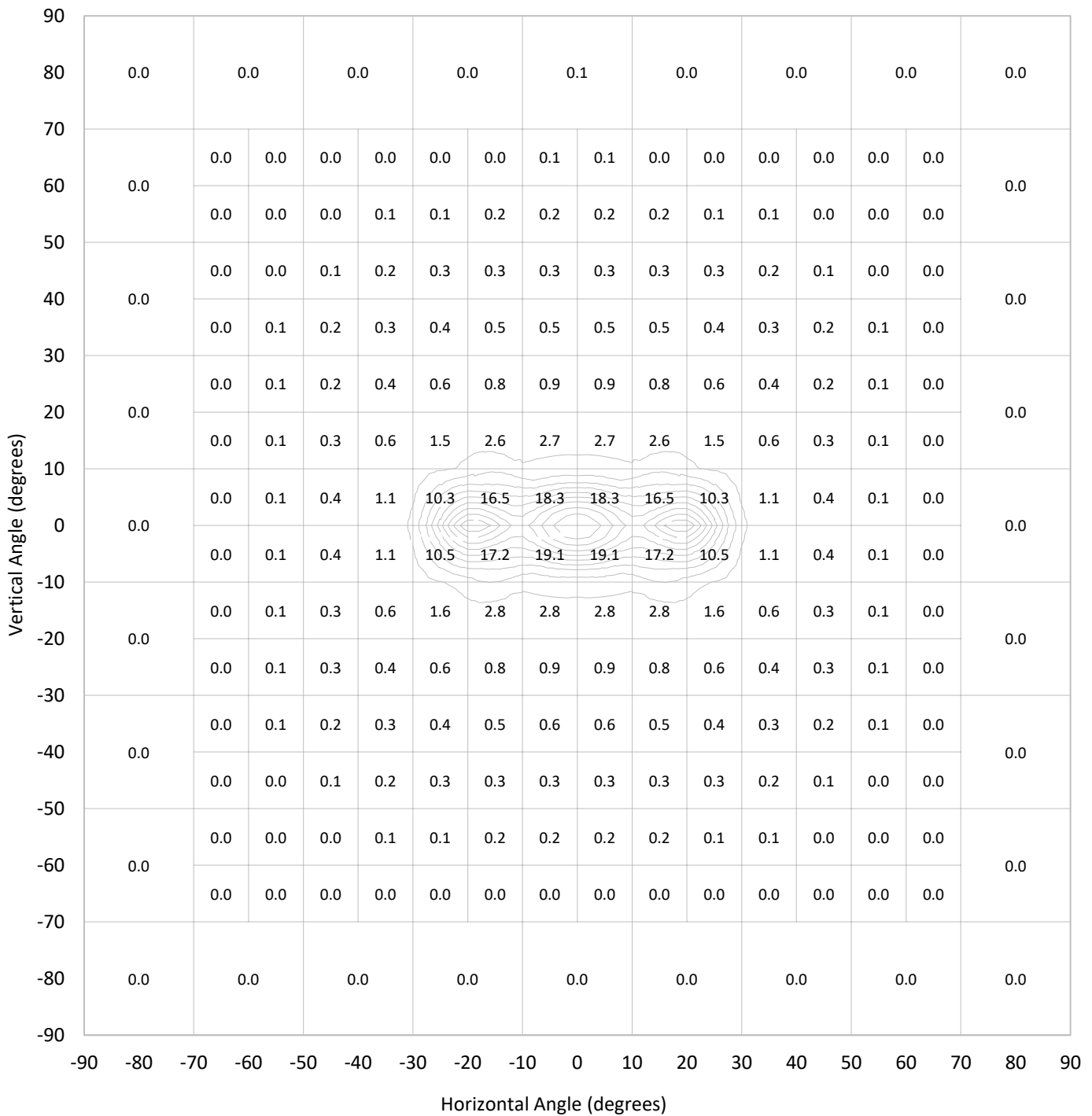
Iso-Candela Plot





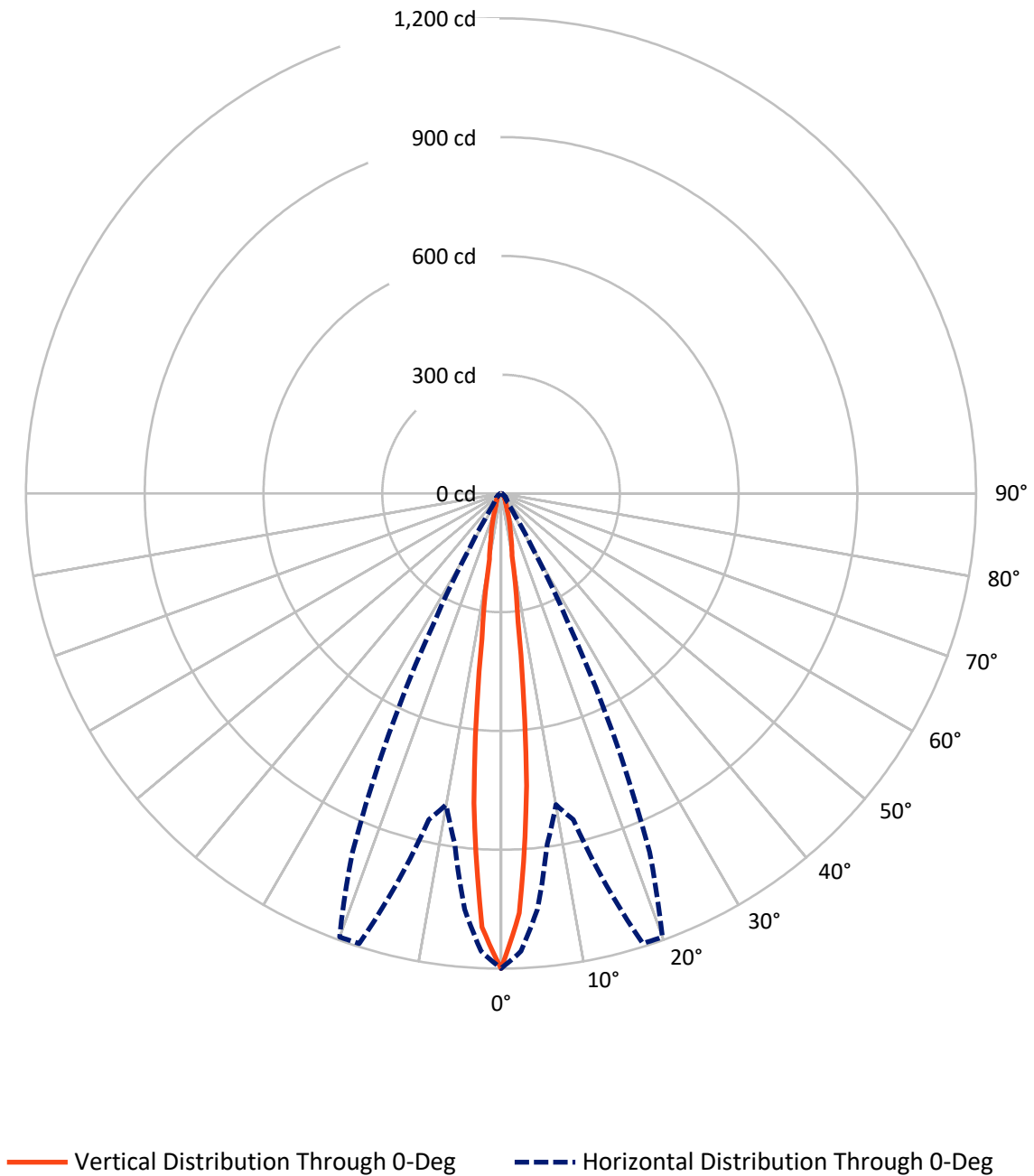
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Lumen Table



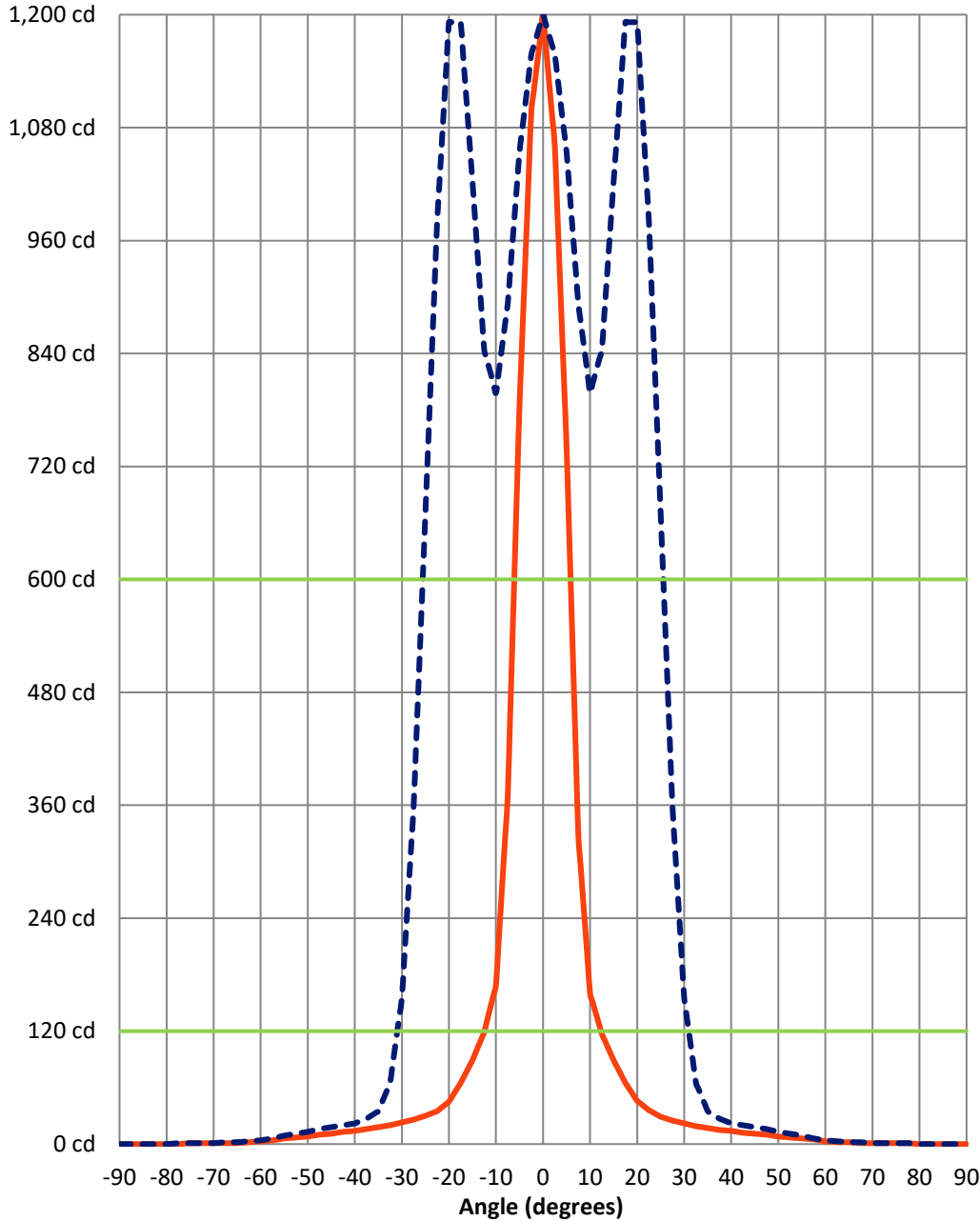
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 51.1°
 V Angle: 12°
 Lumens: 114.1
 Efficiency: 45.1%

Field:
 H Angle: 61.9°
 V Angle: 24.8°
 Lumens: 192.8
 Efficiency: 76.3%

Spill:
 Lumens: 59.9
 Efficiency: 23.7%

- 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	1
65°	0	0	0	0	0	0	0	0	0	1	1
62.5°	0	0	0	0	0	0	0	0	1	1	1
60°	0	0	0	0	0	0	0	0	1	1	1
57.5°	0	0	0	0	0	0	0	0	1	1	1
55°	0	0	0	0	0	0	0	1	1	1	1
52.5°	0	0	0	0	0	0	0	1	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	1
45°	0	0	0	0	0	0	1	1	1	1	1
42.5°	0	0	0	0	0	0	1	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	1	1	1	1	1	2
27.5°	0	0	0	0	0	1	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: G2-1802-569-37 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LSL

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: G2-1802-569-37 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LSL

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	1	1	1	1
75°	0	0	0	0	1	1	1	1	1	1	1
72.5°	0	0	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°	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	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	2
52.5°	1	1	1	1	2	2	2	2	2	2	3
50°	1	1	1	2	2	2	2	2	3	4	5
47.5°	1	1	2	2	2	2	2	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	7	8
40°	1	2	2	2	3	4	5	6	7	8	10
37.5°	2	2	2	3	4	5	6	7	8	10	11
35°	2	2	2	3	4	5	7	8	10	11	12
32.5°	2	2	3	4	5	6	8	9	11	12	13
30°	2	2	3	4	5	7	9	10	12	12	14
27.5°	2	3	3	4	6	8	9	11	12	13	14
25°	2	3	4	5	7	9	10	12	13	14	15
22.5°	2	3	4	6	8	9	11	12	13	15	16
20°	2	3	4	6	8	10	12	13	14	16	17
17.5°	2	3	5	7	9	11	12	14	15	17	18
15°	3	4	5	7	9	11	13	15	16	18	20
12.5°	3	4	5	8	10	12	14	15	17	19	21
10°	3	4	6	8	10	12	14	16	18	20	22
7.5°	3	4	6	8	10	12	15	17	18	20	24
5°	3	4	6	9	11	13	15	17	19	21	25
2.5°	3	4	6	9	11	13	16	18	20	22	26
0°	3	4	6	9	11	13	16	18	20	22	27
-2.5°	3	4	6	9	11	13	16	18	20	22	26
-5°	3	4	6	9	11	13	15	17	19	21	25
-7.5°	3	4	6	8	10	12	15	17	19	21	24
-10°	3	4	6	8	10	12	14	16	18	20	23
-12.5°	3	4	5	8	10	12	14	16	17	19	21
-15°	2	3	5	7	9	11	13	15	17	18	20
-17.5°	2	3	5	7	9	11	12	14	16	17	19
-20°	2	3	4	6	8	10	12	14	15	16	18



REPORT NUMBER: G2-1802-569-37 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2	2	4	6	8	9	11	13	14	16	17
-25°	2	2	3	5	7	9	10	12	13	15	16
-27.5°	2	2	3	4	6	8	9	11	12	14	15
-30°	2	2	2	4	5	7	9	10	11	13	14
-32.5°	2	2	2	3	5	6	8	9	10	12	13
-35°	2	2	2	2	4	5	7	8	9	11	12
-37.5°	2	2	2	2	3	4	6	7	8	9	10
-40°	1	2	2	2	2	4	5	6	7	8	9
-42.5°	1	2	2	2	2	3	4	5	6	7	8
-45°	1	1	2	2	2	2	3	4	5	5	6
-47.5°	1	1	1	2	2	2	2	3	4	5	5
-50°	1	1	1	1	2	2	2	2	3	4	4
-52.5°	1	1	1	1	1	2	2	2	2	2	3
-55°	1	1	1	1	1	1	1	2	2	2	2
-57.5°	1	1	1	1	1	1	1	1	1	2	2
-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	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	0	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: G2-1802-569-37 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LSL

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°	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°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	3	3	3	3
57.5°	2	2	2	3	3	4	4	4	4	5	5
55°	2	3	4	4	5	5	5	6	6	6	6
52.5°	4	5	5	6	6	6	7	7	7	7	7
50°	5	6	6	7	7	8	8	8	9	9	9
47.5°	6	7	8	9	9	9	10	10	10	10	10
45°	7	9	10	10	10	11	11	11	11	11	11
42.5°	10	10	11	11	12	12	12	12	12	13	13
40°	11	11	12	13	13	13	13	14	14	14	14
37.5°	12	13	13	13	14	14	15	15	15	15	16
35°	13	14	14	14	15	16	16	17	17	17	18
32.5°	14	14	15	16	17	17	18	19	19	19	20
30°	15	15	16	17	18	19	20	20	21	21	22
27.5°	15	17	18	19	20	21	22	22	23	24	24
25°	17	18	19	21	22	22	24	25	27	27	27
22.5°	18	19	21	23	24	26	27	30	32	33	34
20°	19	21	23	26	29	32	34	36	39	42	43
17.5°	21	23	26	30	36	43	48	48	50	55	58
15°	22	25	29	37	47	59	70	79	70	71	77
12.5°	24	29	37	44	61	81	109	132	131	97	99
10°	26	35	54	83	111	114	162	208	221	195	135
7.5°	29	42	77	143	226	294	322	302	333	325	287
5°	31	51	104	214	369	514	603	600	536	490	499
2.5°	33	58	131	290	524	750	900	897	783	678	673
0°	35	65	155	359	670	980	1192	1192	1023	844	798
-2.5°	33	58	131	291	527	758	913	912	799	696	695
-5°	31	51	104	217	375	528	627	629	568	525	533
-7.5°	29	42	77	145	234	312	353	344	369	353	313
-10°	26	35	54	86	118	132	189	239	246	211	147
-12.5°	24	29	37	45	66	92	125	150	145	102	104
-15°	22	25	29	37	49	64	77	87	74	74	80
-17.5°	21	23	26	30	36	45	51	50	51	57	60
-20°	20	21	23	26	30	32	35	36	40	43	44



REPORT NUMBER: G2-1802-569-37 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	18	20	21	23	25	27	27	30	32	33	34
-25°	17	18	20	21	22	23	25	26	27	28	28
-27.5°	16	17	18	19	20	21	22	23	24	24	25
-30°	15	16	17	17	18	19	20	21	21	21	22
-32.5°	14	15	16	16	17	18	18	19	19	19	20
-35°	13	14	14	15	16	16	17	17	18	18	18
-37.5°	12	13	13	14	14	15	15	16	16	16	17
-40°	10	11	12	13	13	13	14	14	14	15	15
-42.5°	9	10	10	11	12	12	12	13	13	13	13
-45°	7	8	9	9	10	10	11	11	11	12	12
-47.5°	6	7	7	8	9	9	9	9	9	10	10
-50°	5	5	6	6	7	7	8	8	8	8	8
-52.5°	4	4	5	5	6	6	6	6	7	7	7
-55°	2	3	3	4	4	5	5	5	5	5	6
-57.5°	2	2	2	3	3	3	3	4	4	4	4
-60°	2	2	2	2	2	2	2	2	3	3	3
-62.5°	1	1	1	2	2	2	2	2	2	2	2
-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°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	0	0	1	1	1	1	1	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: G2-1802-569-37 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LSL

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°	1	1	1	1	1	1	1	1	1	1	1
65°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
60°	3	3	3	3	3	3	3	3	3	3	3
57.5°	5	5	5	5	5	5	5	5	5	4	4
55°	6	6	6	6	6	6	6	6	6	6	6
52.5°	7	7	7	7	7	7	7	7	7	7	7
50°	9	8	8	8	8	8	9	9	9	9	8
47.5°	10	10	10	10	10	10	10	10	10	10	10
45°	11	11	11	11	11	11	11	11	11	11	11
42.5°	13	13	12	12	12	13	13	13	13	12	12
40°	14	14	14	14	14	14	14	14	14	14	14
37.5°	16	16	15	15	15	16	16	16	15	15	15
35°	18	18	17	17	17	18	18	18	17	17	17
32.5°	20	20	19	19	19	20	20	20	19	19	19
30°	22	22	22	22	22	22	22	22	21	21	20
27.5°	25	25	25	25	25	25	25	24	24	23	22
25°	29	29	29	29	29	29	29	27	27	27	25
22.5°	35	36	36	36	36	36	35	34	33	32	30
20°	45	47	47	46	47	47	45	43	42	39	36
17.5°	61	64	66	65	66	64	61	58	55	50	48
15°	82	85	89	89	89	85	82	77	71	70	79
12.5°	107	112	118	117	118	112	107	99	97	131	132
10°	147	166	165	160	165	166	147	135	195	221	208
7.5°	255	301	333	329	333	301	255	287	325	333	302
5°	520	612	727	741	727	612	520	499	490	536	600
2.5°	768	922	1033	1061	1033	922	768	673	678	783	897
0°	893	1054	1157	1200	1157	1054	893	798	844	1023	1192
-2.5°	798	954	1068	1097	1068	954	798	695	696	799	912
-5°	561	664	772	785	772	664	561	533	525	568	629
-7.5°	289	336	366	370	366	336	289	313	353	369	344
-10°	161	179	176	169	176	179	161	147	211	246	239
-12.5°	113	116	121	119	121	116	113	104	102	145	150
-15°	85	88	90	89	90	88	85	80	74	74	87
-17.5°	62	65	67	65	67	65	62	60	57	51	50
-20°	45	47	47	45	47	47	45	44	43	40	36



REPORT NUMBER: G2-1802-569-37 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	35	36	36	35	36	36	35	34	33	32	30
-25°	29	30	30	30	30	30	29	28	28	27	26
-27.5°	26	26	26	26	26	26	26	25	24	24	23
-30°	23	23	23	23	23	23	23	22	21	21	21
-32.5°	20	20	20	20	20	20	20	20	19	19	19
-35°	18	18	18	18	18	18	18	18	18	18	17
-37.5°	17	17	16	16	16	17	17	17	16	16	16
-40°	15	15	14	14	14	15	15	15	15	14	14
-42.5°	13	13	13	13	13	13	13	13	13	13	13
-45°	12	12	11	11	11	12	12	12	12	11	11
-47.5°	10	10	10	10	10	10	10	10	10	9	9
-50°	8	8	8	8	8	8	8	8	8	8	8
-52.5°	7	7	7	7	7	7	7	7	7	7	6
-55°	6	6	6	6	6	6	6	6	5	5	5
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-60°	3	3	3	3	3	3	3	3	3	3	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-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°	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	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: G2-1802-569-37 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LSL

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	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°	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°	2	2	2	2	2	2	2	1	1	1	1
60°	2	2	2	2	2	2	2	2	2	2	1
57.5°	4	4	3	3	2	2	2	2	2	2	2
55°	5	5	5	4	4	3	2	2	2	2	2
52.5°	7	6	6	6	5	5	4	3	2	2	2
50°	8	8	7	7	6	6	5	5	4	3	2
47.5°	10	9	9	9	8	7	6	6	5	4	3
45°	11	11	10	10	10	9	7	7	6	5	4
42.5°	12	12	12	11	11	10	10	8	7	6	5
40°	13	13	13	13	12	11	11	10	8	7	6
37.5°	15	14	14	13	13	13	12	11	10	8	7
35°	16	16	15	14	14	14	13	12	11	10	8
32.5°	18	17	17	16	15	14	14	13	12	11	9
30°	20	19	18	17	16	15	15	14	12	12	10
27.5°	22	21	20	19	18	17	15	14	13	12	11
25°	24	22	22	21	19	18	17	15	14	13	12
22.5°	27	26	24	23	21	19	18	16	15	13	12
20°	34	32	29	26	23	21	19	17	16	14	13
17.5°	48	43	36	30	26	23	21	18	17	15	14
15°	70	59	47	37	29	25	22	20	18	16	15
12.5°	109	81	61	44	37	29	24	21	19	17	15
10°	162	114	111	83	54	35	26	22	20	18	16
7.5°	322	294	226	143	77	42	29	24	20	18	17
5°	603	514	369	214	104	51	31	25	21	19	17
2.5°	900	750	524	290	131	58	33	26	22	20	18
0°	1192	980	670	359	155	65	35	27	22	20	18
-2.5°	913	758	527	291	131	58	33	26	22	20	18
-5°	627	528	375	217	104	51	31	25	21	19	17
-7.5°	353	312	234	145	77	42	29	24	21	19	17
-10°	189	132	118	86	54	35	26	23	20	18	16
-12.5°	125	92	66	45	37	29	24	21	19	17	16
-15°	77	64	49	37	29	25	22	20	18	17	15
-17.5°	51	45	36	30	26	23	21	19	17	16	14
-20°	35	32	30	26	23	21	20	18	16	15	14



REPORT NUMBER: G2-1802-569-37 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	27	27	25	23	21	20	18	17	16	14	13
-25°	25	23	22	21	20	18	17	16	15	13	12
-27.5°	22	21	20	19	18	17	16	15	14	12	11
-30°	20	19	18	17	17	16	15	14	13	11	10
-32.5°	18	18	17	16	16	15	14	13	12	10	9
-35°	17	16	16	15	14	14	13	12	11	9	8
-37.5°	15	15	14	14	13	13	12	10	9	8	7
-40°	14	13	13	13	12	11	10	9	8	7	6
-42.5°	12	12	12	11	10	10	9	8	7	6	5
-45°	11	10	10	9	9	8	7	6	5	5	4
-47.5°	9	9	9	8	7	7	6	5	5	4	3
-50°	8	7	7	6	6	5	5	4	4	3	2
-52.5°	6	6	6	5	5	4	4	3	2	2	2
-55°	5	5	4	4	3	3	2	2	2	2	2
-57.5°	3	3	3	3	2	2	2	2	2	1	1
-60°	2	2	2	2	2	2	2	1	1	1	1
-62.5°	2	2	2	2	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°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	0	0	1	1	1	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: G2-1802-569-37 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LSL

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°	1	1	1	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	0	0	0	0	0	0
70°	1	1	1	1	1	1	1	0	0	0	0
67.5°	1	1	1	1	1	1	1	1	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	0
60°	1	1	1	1	1	1	1	1	1	1	0
57.5°	2	1	1	1	1	1	1	1	1	1	0
55°	2	2	1	1	1	1	1	1	1	1	1
52.5°	2	2	2	1	1	1	1	1	1	1	1
50°	2	2	2	2	1	1	1	1	1	1	1
47.5°	2	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	8	6	4	3	2	2	1	1	1
20°	12	10	8	6	4	3	2	2	1	1	1
17.5°	12	11	9	7	5	3	2	2	2	1	1
15°	13	11	9	7	5	4	3	2	2	1	1
12.5°	14	12	10	8	5	4	3	2	2	1	1
10°	14	12	10	8	6	4	3	2	2	1	1
7.5°	15	12	10	8	6	4	3	2	2	1	1
5°	15	13	11	9	6	4	3	2	2	1	1
2.5°	16	13	11	9	6	4	3	2	2	1	1
0°	16	13	11	9	6	4	3	2	2	1	1
-2.5°	16	13	11	9	6	4	3	2	2	1	1
-5°	15	13	11	9	6	4	3	2	2	1	1
-7.5°	15	12	10	8	6	4	3	2	2	1	1
-10°	14	12	10	8	6	4	3	2	2	1	1
-12.5°	14	12	10	8	5	4	3	2	2	1	1
-15°	13	11	9	7	5	3	2	2	2	1	1
-17.5°	12	11	9	7	5	3	2	2	2	1	1
-20°	12	10	8	6	4	3	2	2	1	1	1



REPORT NUMBER: G2-1802-569-37 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	11	9	8	6	4	2	2	2	1	1	1
-25°	10	9	7	5	3	2	2	2	1	1	1
-27.5°	9	8	6	4	3	2	2	2	1	1	1
-30°	9	7	5	4	2	2	2	2	1	1	1
-32.5°	8	6	5	3	2	2	2	1	1	1	1
-35°	7	5	4	2	2	2	2	1	1	1	1
-37.5°	6	4	3	2	2	2	2	1	1	1	1
-40°	5	4	2	2	2	2	1	1	1	1	1
-42.5°	4	3	2	2	2	2	1	1	1	1	1
-45°	3	2	2	2	2	1	1	1	1	1	1
-47.5°	2	2	2	2	1	1	1	1	1	1	1
-50°	2	2	2	1	1	1	1	1	1	1	0
-52.5°	2	2	1	1	1	1	1	1	1	1	0
-55°	1	1	1	1	1	1	1	1	1	1	0
-57.5°	1	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: G2-1802-569-37 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LSL

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°	1	0	0	0	0	0	0
45°	1	0	0	0	0	0	0
42.5°	1	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	1	0	0	0	0	0
27.5°	1	1	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: G2-1802-569-37 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LSL

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)