

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: G2-1802-569-25 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-25 (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-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD BLACK, LINEAR SPREAD LENS
Light Source: (1) SORAA 4000K 95 CRI 10°NSP LED
SM16-07-10D-940-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

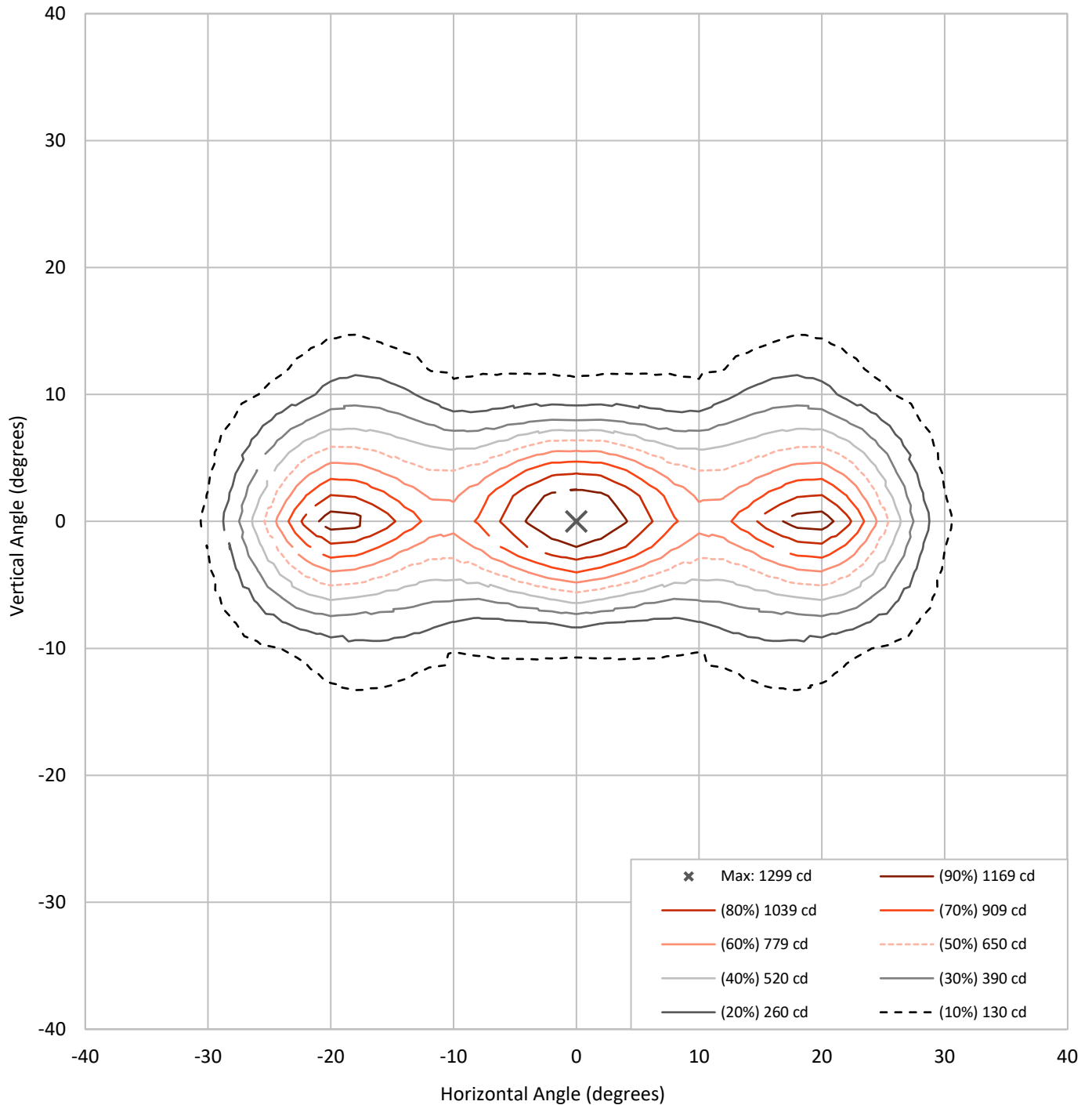
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 2V
Luminaire Lumens:	253.1 lumens	Max Intensity:	1299 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	31.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	50.8°H x 12°V	Field Angle (10%):	61.2°H x 22.1°V
Beam Lumens:	119.1 lumens	Field Lumens:	207.7 lumens
Beam Efficiency:	47.1%	Field Efficiency:	82.1%
Input Watts (W):	8		
Input Voltage (V):	12.0		
Input Current (A _{in}):	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		



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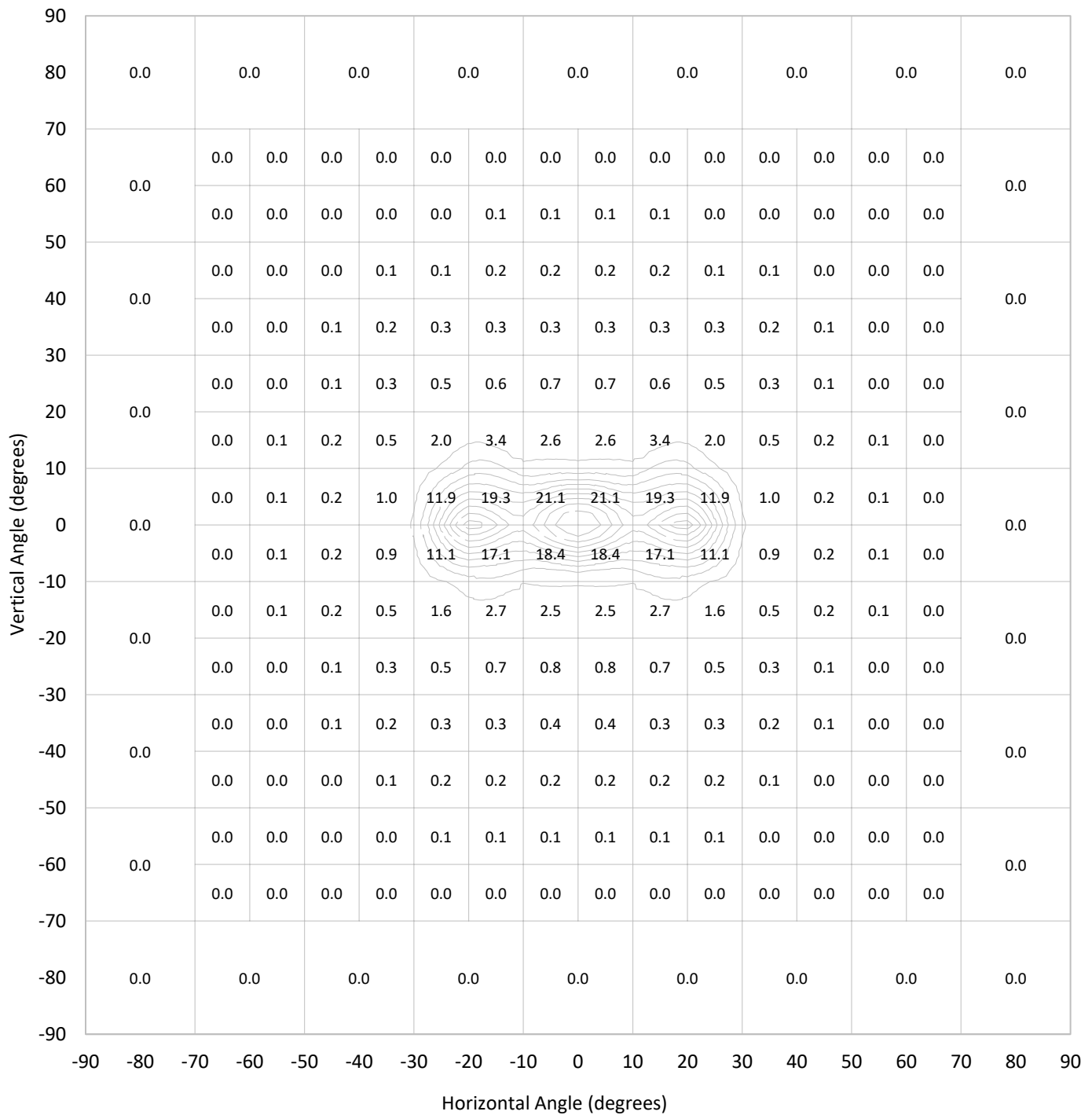
Iso-Candela Plot





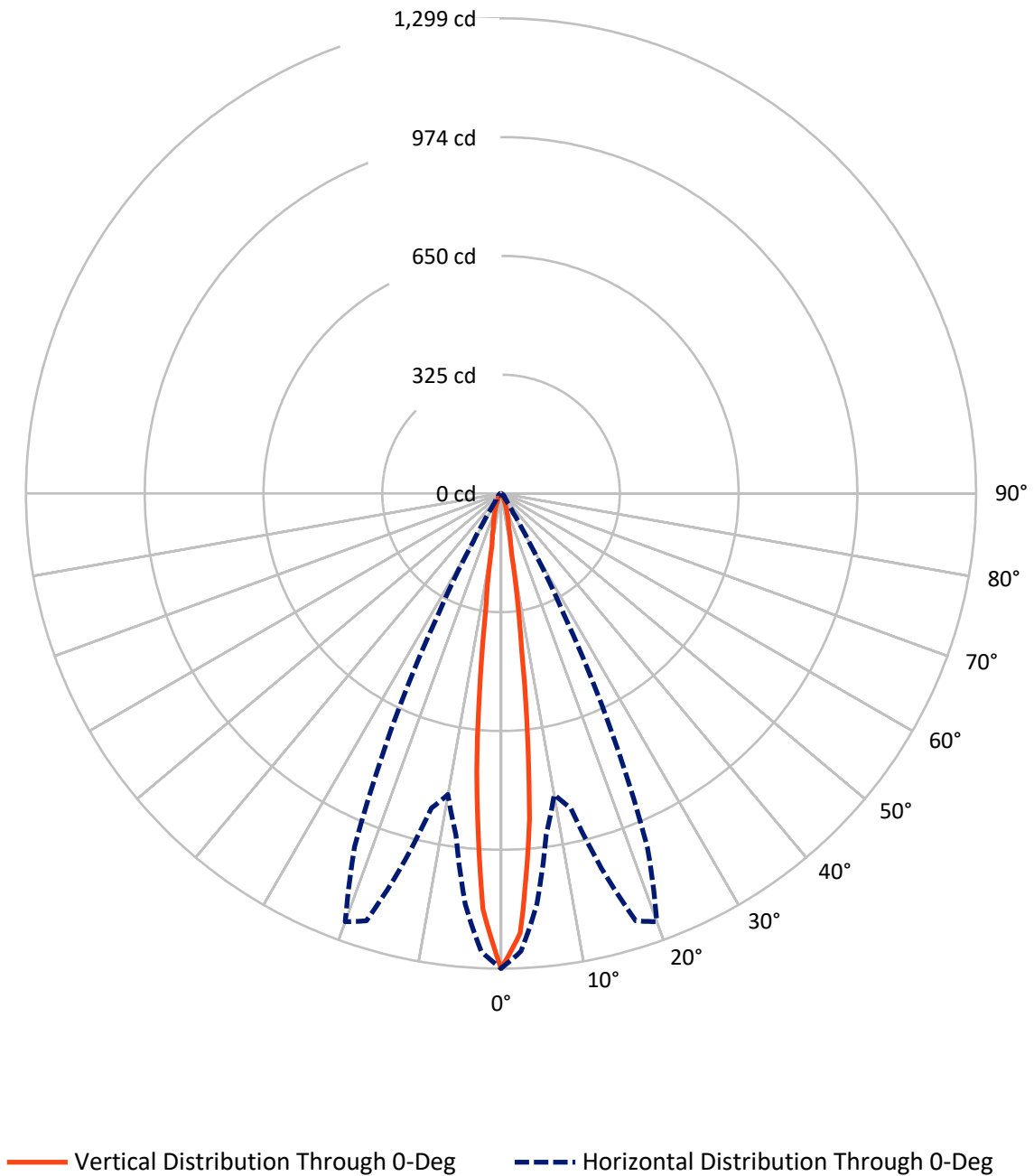
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Lumen Table



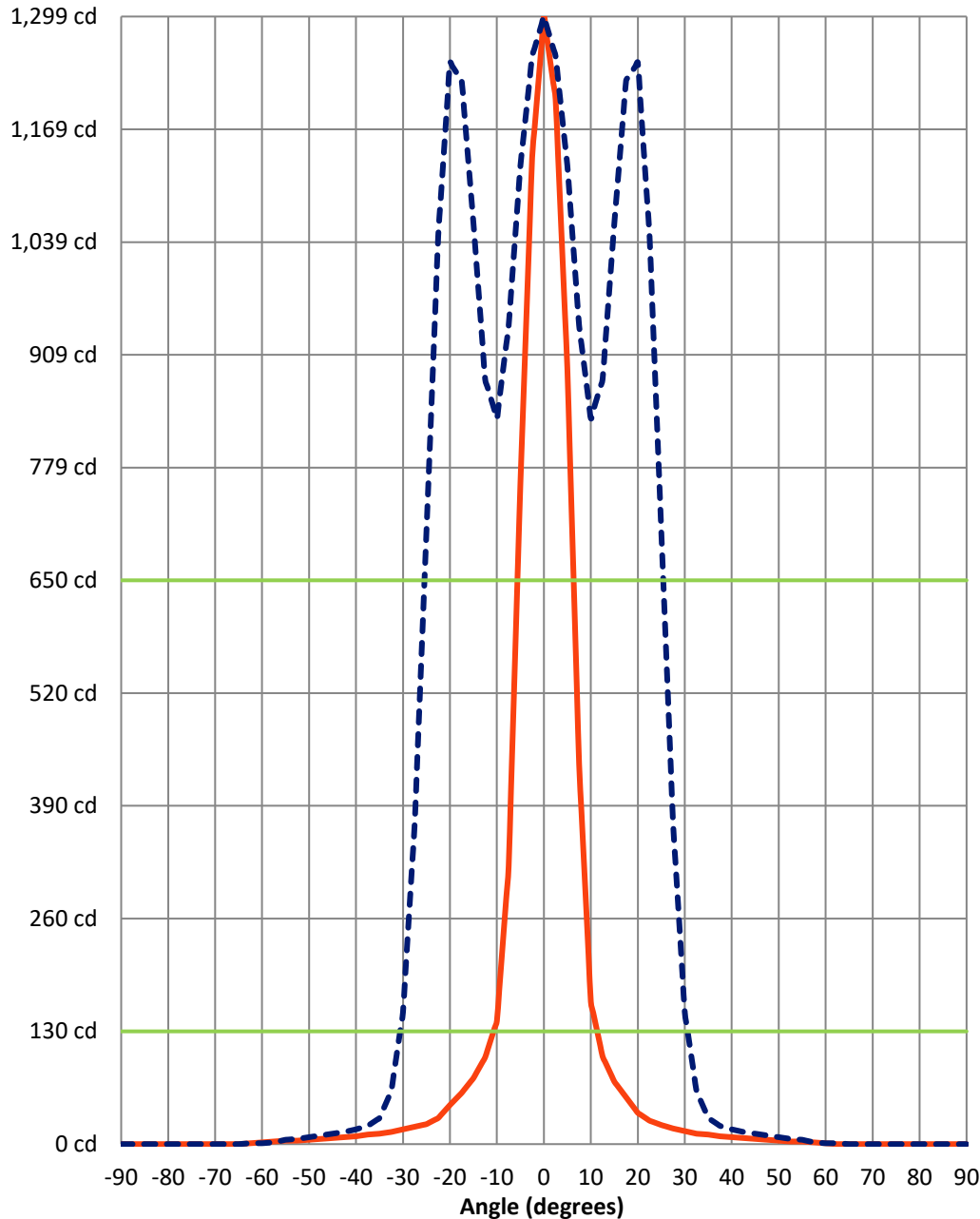
REPORT NUMBER: G2-1802-569-25 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 50.8°
 V Angle: 12°
 Lumens: 119.1
 Efficiency: 47.1%

Field:
 H Angle: 61.2°
 V Angle: 22.1°
 Lumens: 207.7
 Efficiency: 82.1%

Spill:
 Lumens: 45.4
 Efficiency: 17.9%

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



REPORT NUMBER: G2-1802-569-25 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-BK-LSL

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	4	5	6	7	8	10	11
-25°	0	1	1	2	3	4	5	7	8	9	10
-27.5°	0	1	1	1	2	4	5	6	7	8	9
-30°	0	0	1	1	2	3	4	5	7	7	8
-32.5°	0	0	1	1	1	2	4	5	6	7	7
-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	2	3	4	4	5
-42.5°	0	0	0	0	1	1	1	2	3	4	4
-45°	0	0	0	0	0	1	1	2	2	3	4
-47.5°	0	0	0	0	0	0	1	1	2	2	3
-50°	0	0	0	0	0	0	0	1	1	2	2
-52.5°	0	0	0	0	0	0	0	0	1	1	2
-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: G2-1802-569-25 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-BK-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°	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	1	1	1
57.5°	0	0	0	0	1	1	1	1	2	2	2
55°	0	1	1	1	2	2	2	2	2	3	3
52.5°	1	1	2	2	2	3	3	3	3	3	3
50°	2	2	3	3	3	4	4	4	4	4	4
47.5°	2	3	4	4	5	5	5	5	5	5	5
45°	3	4	5	5	5	6	6	6	6	6	6
42.5°	5	5	6	6	6	7	7	7	7	7	7
40°	6	6	6	7	7	7	8	8	8	8	8
37.5°	6	7	7	8	8	9	9	9	9	9	10
35°	7	8	8	9	10	10	10	11	11	11	11
32.5°	8	9	10	10	11	11	12	12	12	12	13
30°	9	10	11	11	12	13	13	14	14	14	15
27.5°	10	11	12	13	14	15	16	16	17	17	17
25°	11	12	14	15	16	17	19	20	21	21	21
22.5°	12	14	15	17	20	22	22	24	26	27	27
20°	14	15	18	21	26	30	31	32	35	37	37
17.5°	15	18	22	27	35	48	58	51	47	51	52
15°	16	20	26	37	55	81	107	115	77	69	73
12.5°	19	25	34	48	81	136	193	214	182	103	101
10°	21	31	53	93	150	213	306	347	314	243	158
7.5°	24	39	76	156	276	404	486	486	464	408	349
5°	26	47	103	229	421	620	739	733	654	595	588
2.5°	28	55	129	303	570	840	997	978	858	746	743
0°	30	61	152	370	706	1046	1246	1225	1061	881	836
-2.5°	28	54	128	300	556	810	951	927	804	691	685
-5°	26	46	101	222	396	564	653	631	547	484	491
-7.5°	23	38	74	147	246	333	369	335	344	322	283
-10°	21	30	51	85	123	142	202	238	233	195	135
-12.5°	18	24	33	43	66	97	133	152	140	95	95
-15°	16	19	25	34	48	64	80	88	70	69	73
-17.5°	15	17	21	26	33	42	50	48	48	53	57
-20°	14	15	17	21	25	29	31	33	37	40	42



REPORT NUMBER: G2-1802-569-25 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-BK-LSL

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12	14	15	17	19	22	23	26	28	30	30
-25°	11	12	14	15	16	17	19	21	22	22	23
-27.5°	10	11	12	13	14	15	16	17	18	19	19
-30°	9	10	11	11	12	13	14	15	15	15	16
-32.5°	8	9	10	10	11	12	12	13	13	13	14
-35°	7	8	8	9	10	10	11	11	12	12	12
-37.5°	6	7	7	8	9	9	10	10	10	11	11
-40°	6	6	6	7	7	8	9	9	9	9	9
-42.5°	5	5	6	6	6	7	7	8	8	8	8
-45°	4	5	5	5	5	6	6	6	6	7	7
-47.5°	3	4	4	4	5	5	5	5	5	6	6
-50°	3	3	3	3	4	4	4	4	4	5	5
-52.5°	2	2	3	3	3	3	3	3	4	4	4
-55°	1	2	2	2	3	3	3	3	3	3	3
-57.5°	0	1	1	1	2	2	2	2	3	3	3
-60°	0	0	0	1	1	1	1	1	2	2	2
-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: G2-1802-569-25 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-BK-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°	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	1	0
57.5°	2	2	2	2	2	2	2	2	2	2	1
55°	3	3	3	3	3	3	3	3	3	2	2
52.5°	3	3	3	3	3	3	3	3	3	3	3
50°	4	4	4	4	4	4	4	4	4	4	4
47.5°	5	5	5	5	5	5	5	5	5	5	5
45°	6	6	6	6	6	6	6	6	6	6	6
42.5°	7	7	7	7	7	7	7	7	7	7	7
40°	8	8	8	8	8	8	8	8	8	8	8
37.5°	10	10	9	9	9	10	10	10	9	9	9
35°	11	11	11	11	11	11	11	11	11	11	11
32.5°	13	13	12	12	12	13	13	13	12	12	12
30°	15	15	15	15	15	15	15	15	14	14	14
27.5°	18	18	18	18	18	18	18	17	17	17	16
25°	22	22	22	22	22	22	22	21	21	21	20
22.5°	27	28	28	27	28	28	27	27	27	26	24
20°	36	38	38	36	38	38	36	37	37	35	32
17.5°	52	55	56	54	56	55	52	52	51	47	51
15°	75	74	75	72	75	74	75	73	69	77	115
12.5°	107	102	105	101	105	102	107	101	103	182	214
10°	170	186	178	164	178	186	170	158	243	314	347
7.5°	336	384	445	438	445	384	336	349	408	464	486
5°	614	743	881	893	881	743	614	588	595	654	733
2.5°	855	1045	1171	1204	1171	1045	855	743	746	858	978
0°	943	1127	1253	1299	1253	1127	943	836	881	1061	1225
-2.5°	782	956	1081	1137	1081	956	782	685	691	804	927
-5°	503	581	692	761	692	581	503	491	484	547	631
-7.5°	237	267	286	320	286	267	237	283	322	344	335
-10°	141	147	144	142	144	147	141	135	195	233	238
-12.5°	100	97	101	100	101	97	100	95	95	140	152
-15°	75	75	77	76	77	75	75	73	69	70	88
-17.5°	57	59	60	59	60	59	57	57	53	48	48
-20°	43	45	46	45	46	45	43	42	40	37	33



REPORT NUMBER: G2-1802-569-25 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-BK-LSL

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	32	32	32	30	32	32	32	30	30	28	26
-25°	24	24	24	23	24	24	24	23	22	22	21
-27.5°	20	20	20	20	20	20	20	19	19	18	17
-30°	17	17	17	17	17	17	17	16	15	15	15
-32.5°	14	14	14	14	14	14	14	14	13	13	13
-35°	12	12	12	12	12	12	12	12	12	12	11
-37.5°	11	11	11	11	11	11	11	11	11	10	10
-40°	9	9	9	9	9	9	9	9	9	9	9
-42.5°	8	8	8	8	8	8	8	8	8	8	8
-45°	7	7	7	7	7	7	7	7	7	6	6
-47.5°	6	6	6	6	6	6	6	6	6	5	5
-50°	5	5	5	5	5	5	5	5	5	4	4
-52.5°	4	4	4	4	4	4	4	4	4	4	3
-55°	4	4	4	4	4	4	4	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	2
-60°	2	2	2	2	2	2	2	2	2	2	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: G2-1802-569-25 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-BK-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°	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°	2	2	2	1	1	1	0	0	0	0	0
52.5°	3	3	2	2	2	1	1	1	0	0	0
50°	4	4	3	3	3	2	2	1	1	0	0
47.5°	5	5	5	4	4	3	2	2	1	1	0
45°	6	6	5	5	5	4	3	3	2	2	1
42.5°	7	7	6	6	6	5	5	4	3	2	2
40°	8	7	7	7	6	6	6	5	4	3	2
37.5°	9	9	8	8	7	7	6	6	5	4	3
35°	10	10	10	9	8	8	7	7	6	5	4
32.5°	12	11	11	10	10	9	8	7	7	6	5
30°	13	13	12	11	11	10	9	8	7	7	5
27.5°	16	15	14	13	12	11	10	9	8	7	6
25°	19	17	16	15	14	12	11	10	9	8	7
22.5°	22	22	20	17	15	14	12	11	10	8	7
20°	31	30	26	21	18	15	14	12	10	9	8
17.5°	58	48	35	27	22	18	15	13	11	10	8
15°	107	81	55	37	26	20	16	15	12	11	9
12.5°	193	136	81	48	34	25	19	16	13	11	10
10°	306	213	150	93	53	31	21	17	14	12	10
7.5°	486	404	276	156	76	39	24	18	15	13	11
5°	739	620	421	229	103	47	26	19	16	13	11
2.5°	997	840	570	303	129	55	28	20	17	14	12
0°	1246	1046	706	370	152	61	30	21	17	14	12
-2.5°	951	810	556	300	128	54	28	20	17	14	12
-5°	653	564	396	222	101	46	26	19	16	13	11
-7.5°	369	333	246	147	74	38	23	18	15	13	11
-10°	202	142	123	85	51	30	21	17	14	12	10
-12.5°	133	97	66	43	33	24	18	16	13	11	10
-15°	80	64	48	34	25	19	16	15	12	11	9
-17.5°	50	42	33	26	21	17	15	13	11	10	8
-20°	31	29	25	21	17	15	14	12	10	9	8



REPORT NUMBER: G2-1802-569-25 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-BK-LSL

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: G2-1802-569-25 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-BK-LSL

CANDELA DISTRIBUTION (continued):

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

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)