

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: G2-1802-569-45 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED4036-12-CS-LSL**

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-45 (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: 203-8LED4036-12-CS-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD SILVER, LINEAR SPREAD LENS
Light Source: (1) SORAA 4000K 90 CRI LED
SM16-07-36D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

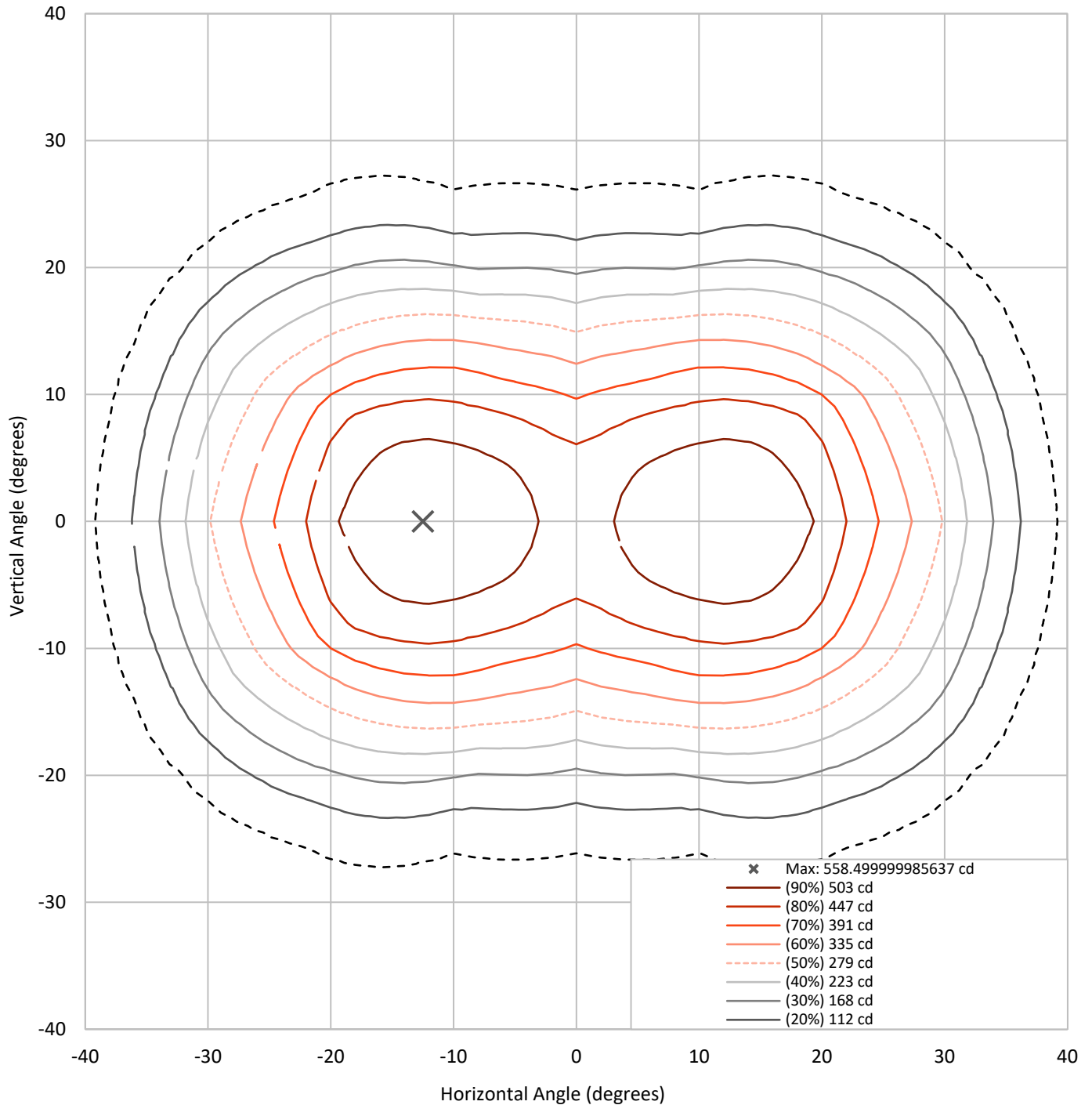
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	317.1 lumens	Max Intensity:	558.5 candela
Efficiency:	N/A	Max Intensity Angle:	-12.5°H x 0°V
Efficacy:	41.7 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	59.6°H x 32.7°V	Field Angle (10%):	78.4°H x 53.5°V
Beam Lumens:	204.3 lumens	Field Lumens:	290.6 lumens
Beam Efficiency:	64.4%	Field Efficiency:	91.7%
Input Watts (W):	7.6		
Input Voltage (V):	12.0		
Input Current (Ain):	0.669		
Voltage Rise (V):	NR		
Power Factor:	0.9907		
Total Harmonic Distortion (THDi):	27.4		
Frequency (hertz):	60		
Stabilization Time:	0.5 HR		
Operation Time:	3 HR		
Ambient Temperature (°C):	25.2		
Test Distance:	25 FT		



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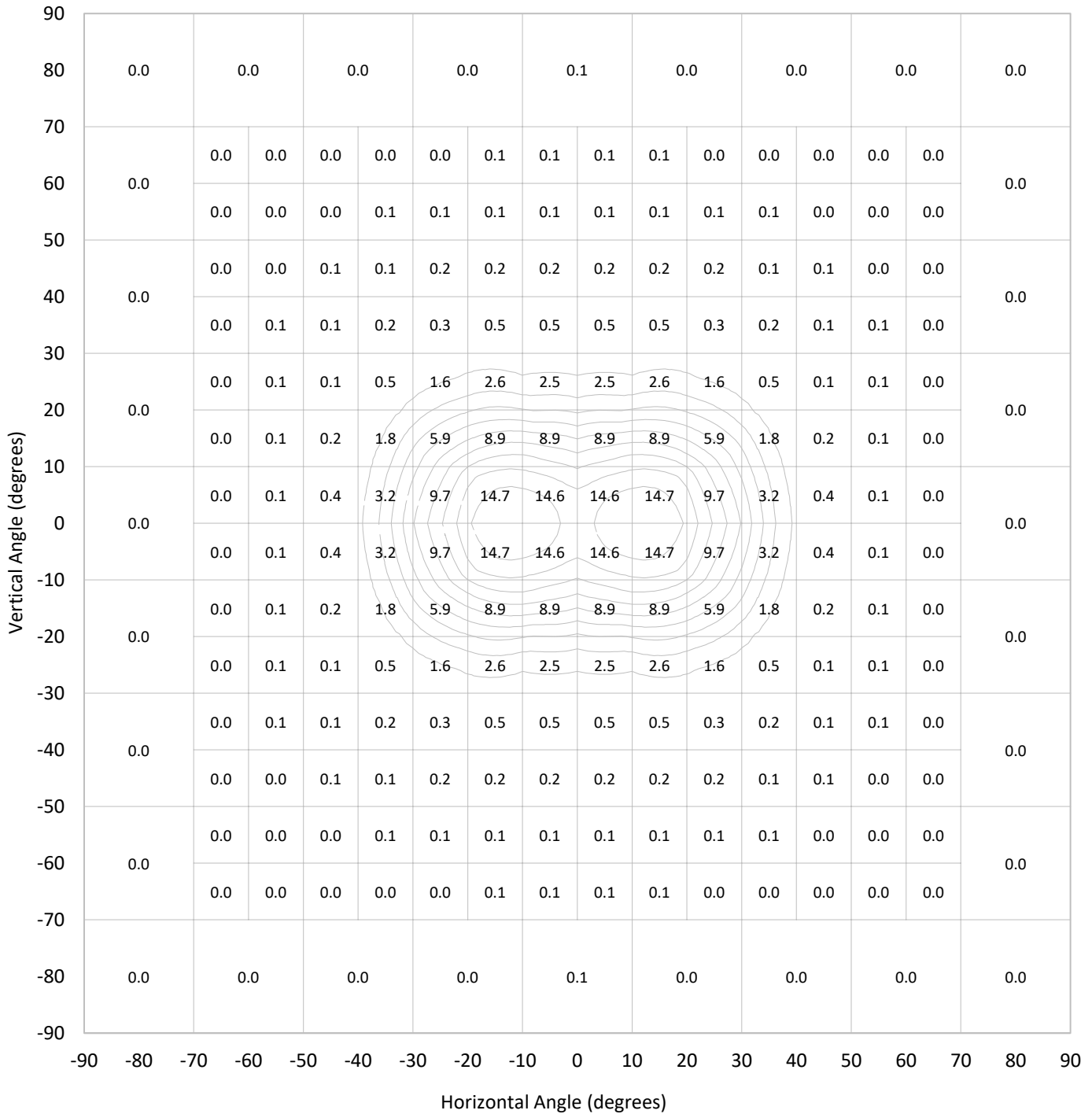
Iso-Candela Plot





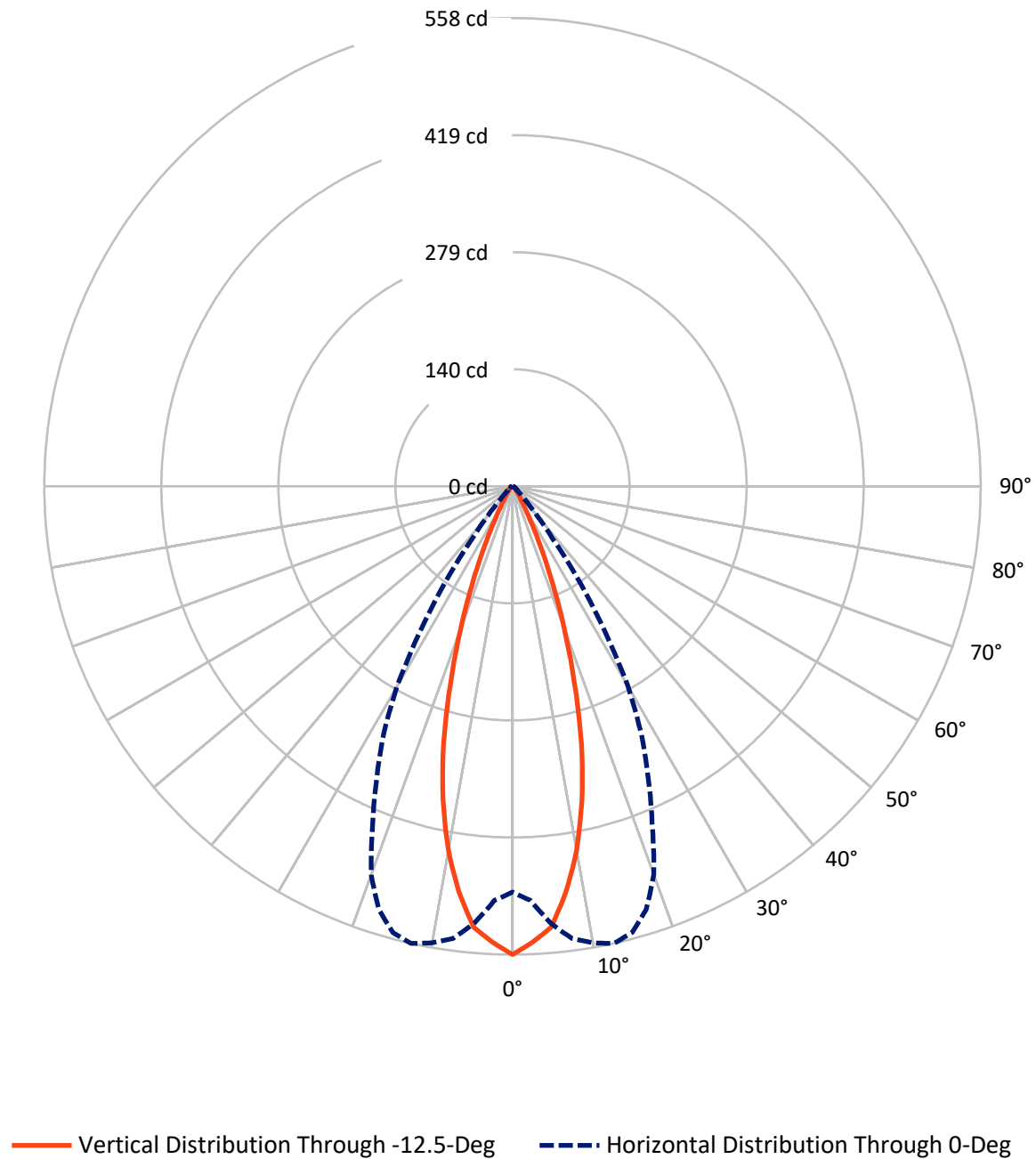
REPORT NUMBER: G2-1802-569-45 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



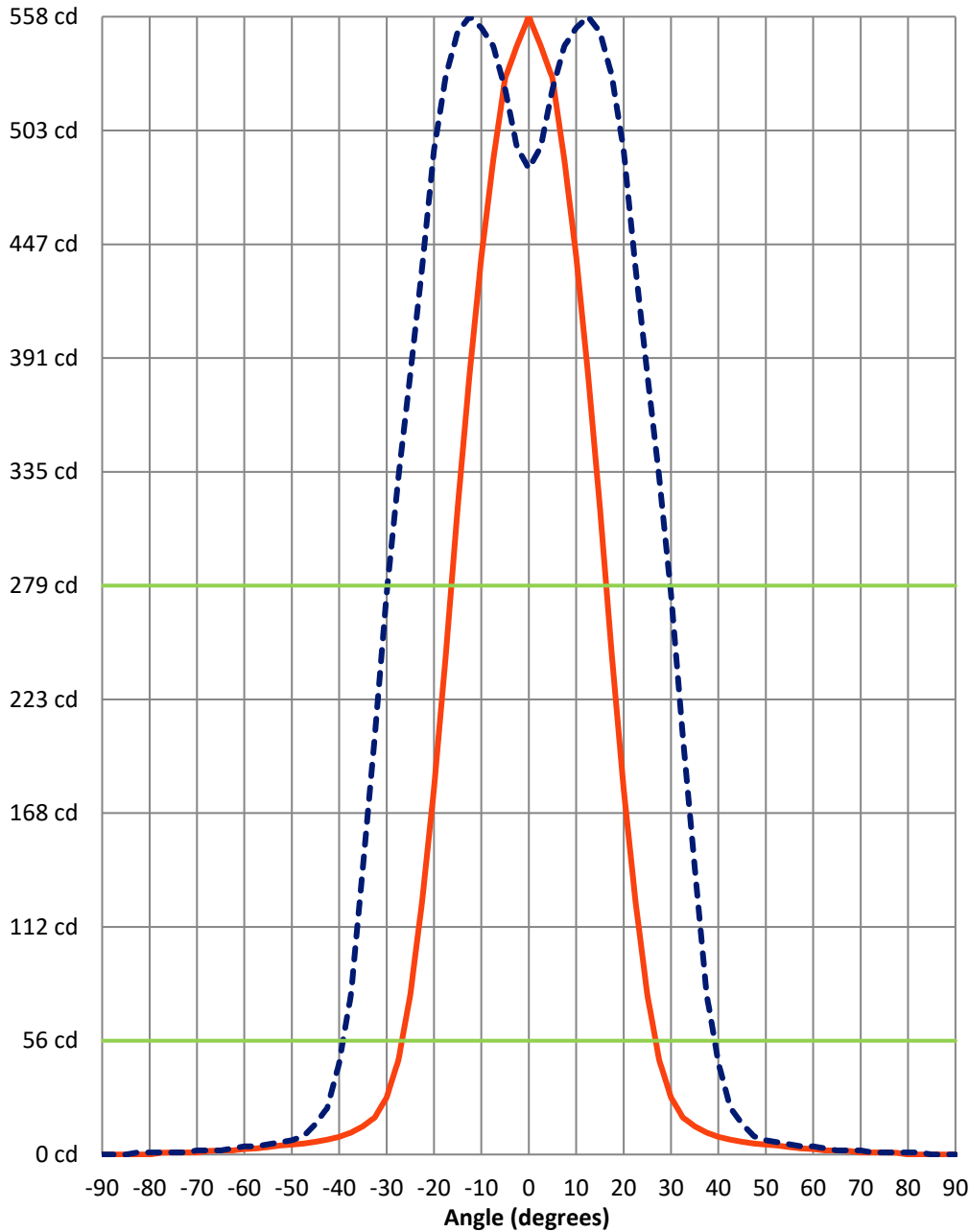
REPORT NUMBER: G2-1802-569-45 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 59.6°
 V Angle: 32.7°
 Lumens: 204.3
 Efficiency: 64.4%

Field:
 H Angle: 78.4°
 V Angle: 53.5°
 Lumens: 290.6
 Efficiency: 91.7%

Spill:
 Lumens: 26.5
 Efficiency: 8.3%

— Vertical Distribution through -12.5-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	1	1
70°	0	0	0	0	0	0	0	0	1	1	1
67.5°	0	0	0	0	0	0	0	1	1	1	1
65°	0	0	0	0	0	0	1	1	1	1	1
62.5°	0	0	0	0	0	0	1	1	1	1	1
60°	0	0	0	0	0	0	1	1	1	1	1
57.5°	0	0	0	0	0	1	1	1	1	1	1
55°	0	0	0	0	0	1	1	1	1	1	1
52.5°	0	0	0	0	0	1	1	1	1	1	1
50°	0	0	0	0	1	1	1	1	1	1	1
47.5°	0	0	0	0	1	1	1	1	1	1	1
45°	0	0	0	0	1	1	1	1	1	1	1
42.5°	0	0	0	0	1	1	1	1	1	1	1
40°	0	0	0	0	1	1	1	1	1	1	2
37.5°	0	0	0	0	1	1	1	1	1	1	2
35°	0	0	0	0	1	1	1	1	1	1	2
32.5°	0	0	0	1	1	1	1	1	1	2	2
30°	0	0	0	1	1	1	1	1	1	2	2
27.5°	0	0	0	1	1	1	1	1	1	2	2
25°	0	0	0	1	1	1	1	1	1	2	2
22.5°	0	0	0	1	1	1	1	1	1	2	2
20°	0	0	0	1	1	1	1	1	1	2	2
17.5°	0	0	0	1	1	1	1	1	2	2	2
15°	0	0	0	1	1	1	1	1	2	2	2
12.5°	0	0	0	1	1	1	1	1	2	2	2
10°	0	0	0	1	1	1	1	1	2	2	2
7.5°	0	0	0	1	1	1	1	1	2	2	2
5°	0	0	0	1	1	1	1	1	2	2	2
2.5°	0	0	0	1	1	1	1	1	2	2	2
0°	0	0	0	1	1	1	1	1	2	2	2
-2.5°	0	0	0	1	1	1	1	1	2	2	2
-5°	0	0	0	1	1	1	1	1	2	2	2
-7.5°	0	0	0	1	1	1	1	1	2	2	2
-10°	0	0	0	1	1	1	1	1	2	2	2
-12.5°	0	0	0	1	1	1	1	1	2	2	2
-15°	0	0	0	1	1	1	1	1	2	2	2
-17.5°	0	0	0	1	1	1	1	1	2	2	2
-20°	0	0	0	1	1	1	1	1	1	2	2



REPORT NUMBER: G2-1802-569-45 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-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	1	1	1	1	1	1	2	2
-25°	0	0	0	1	1	1	1	1	1	2	2
-27.5°	0	0	0	1	1	1	1	1	1	2	2
-30°	0	0	0	1	1	1	1	1	1	2	2
-32.5°	0	0	0	1	1	1	1	1	1	2	2
-35°	0	0	0	0	1	1	1	1	1	1	2
-37.5°	0	0	0	0	1	1	1	1	1	1	2
-40°	0	0	0	0	1	1	1	1	1	1	2
-42.5°	0	0	0	0	1	1	1	1	1	1	1
-45°	0	0	0	0	1	1	1	1	1	1	1
-47.5°	0	0	0	0	1	1	1	1	1	1	1
-50°	0	0	0	0	1	1	1	1	1	1	1
-52.5°	0	0	0	0	0	1	1	1	1	1	1
-55°	0	0	0	0	0	1	1	1	1	1	1
-57.5°	0	0	0	0	0	1	1	1	1	1	1
-60°	0	0	0	0	0	0	1	1	1	1	1
-62.5°	0	0	0	0	0	0	1	1	1	1	1
-65°	0	0	0	0	0	0	1	1	1	1	1
-67.5°	0	0	0	0	0	0	0	1	1	1	1
-70°	0	0	0	0	0	0	0	0	1	1	1
-72.5°	0	0	0	0	0	0	0	0	0	1	1
-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: G2-1802-569-45 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-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°	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°	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	2	2	2	2	2	2	3
52.5°	1	1	2	2	2	2	2	2	3	3	3
50°	1	1	2	2	2	2	2	3	3	3	3
47.5°	1	2	2	2	2	2	3	3	3	4	4
45°	2	2	2	2	2	3	3	3	4	4	4
42.5°	2	2	2	2	3	3	4	4	4	4	4
40°	2	2	2	2	3	4	4	4	4	5	5
37.5°	2	2	2	3	3	4	4	4	5	5	6
35°	2	2	2	3	4	4	4	5	5	6	6
32.5°	2	2	3	4	4	4	5	5	5	6	7
30°	2	2	3	4	4	5	5	5	6	7	8
27.5°	2	3	3	4	4	5	5	6	7	8	10
25°	2	3	4	4	4	5	5	6	7	10	13
22.5°	2	3	4	4	5	5	6	7	9	12	16
20°	2	3	4	4	5	5	6	7	10	15	21
17.5°	2	3	4	4	5	5	6	8	12	17	27
15°	3	4	4	4	5	6	7	9	14	21	34
12.5°	3	4	4	5	5	6	8	11	16	26	45
10°	3	4	4	5	5	6	8	12	18	31	55
7.5°	3	4	4	5	6	7	8	13	20	35	63
5°	3	4	4	5	6	7	9	14	21	39	70
2.5°	3	4	4	5	6	7	9	15	22	43	76
0°	3	4	4	5	6	7	9	15	23	45	79
-2.5°	3	4	4	5	6	7	9	15	22	43	76
-5°	3	4	4	5	6	7	9	14	21	39	70
-7.5°	3	4	4	5	6	7	8	13	20	35	63
-10°	3	4	4	5	5	6	8	12	18	31	55
-12.5°	3	4	4	5	5	6	8	11	16	26	45
-15°	3	4	4	4	5	6	7	9	14	21	34
-17.5°	2	3	4	4	5	5	6	8	12	17	27
-20°	2	3	4	4	5	5	6	7	10	15	21



REPORT NUMBER: G2-1802-569-45 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-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	3	4	4	5	5	6	7	9	12	16
-25°	2	3	4	4	4	5	5	6	7	10	13
-27.5°	2	3	3	4	4	5	5	6	7	8	10
-30°	2	2	3	4	4	5	5	5	6	7	8
-32.5°	2	2	3	4	4	4	5	5	5	6	7
-35°	2	2	2	3	4	4	4	5	5	6	6
-37.5°	2	2	2	3	3	4	4	4	5	5	6
-40°	2	2	2	2	3	4	4	4	4	5	5
-42.5°	2	2	2	2	3	3	4	4	4	4	4
-45°	2	2	2	2	2	3	3	3	4	4	4
-47.5°	1	2	2	2	2	2	3	3	3	4	4
-50°	1	1	2	2	2	2	2	3	3	3	3
-52.5°	1	1	2	2	2	2	2	2	3	3	3
-55°	1	1	1	1	2	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°	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	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: G2-1802-569-45 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-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	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	2	2	2
60°	2	2	2	2	2	2	2	2	3	3	3
57.5°	2	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	3	3	3	4	4
52.5°	3	3	3	4	4	4	4	4	4	4	4
50°	4	4	4	4	4	5	5	5	5	5	5
47.5°	4	4	4	5	5	5	5	5	5	5	5
45°	4	5	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	9	9
37.5°	6	7	7	8	9	9	10	10	10	11	11
35°	7	8	8	10	11	12	13	14	14	14	15
32.5°	8	9	11	12	14	16	18	20	20	18	20
30°	10	12	15	17	20	24	28	31	31	28	28
27.5°	13	17	21	26	30	36	45	50	52	46	42
25°	17	23	33	43	51	60	73	81	83	78	67
22.5°	23	36	51	67	84	98	111	123	127	124	113
20°	32	51	76	102	125	144	160	175	182	180	171
17.5°	47	75	108	141	170	194	216	233	242	246	242
15°	61	101	145	184	215	246	273	294	310	318	317
12.5°	78	125	177	226	263	298	330	360	376	383	383
10°	95	148	203	254	303	349	391	421	433	441	437
7.5°	111	168	227	280	329	380	437	473	484	488	482
5°	124	184	247	302	352	405	460	495	517	528	521
2.5°	134	197	263	320	370	424	479	514	535	544	539
0°	141	205	275	332	383	435	493	529	551	558	553
-2.5°	134	197	263	320	370	424	479	514	535	544	539
-5°	124	184	247	302	352	405	460	495	517	528	521
-7.5°	111	168	227	280	329	380	437	473	484	488	482
-10°	95	148	203	254	303	349	391	421	433	441	437
-12.5°	78	125	177	226	263	298	330	360	376	383	383
-15°	61	101	145	184	215	246	273	294	310	318	317
-17.5°	47	75	108	141	170	194	216	233	242	246	242
-20°	32	51	76	102	125	144	160	175	182	180	171



REPORT NUMBER: G2-1802-569-45 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	23	36	51	67	84	98	111	123	127	124	113
-25°	17	23	33	43	51	60	73	81	83	78	67
-27.5°	13	17	21	26	30	36	45	50	52	46	42
-30°	10	12	15	17	20	24	28	31	31	28	28
-32.5°	8	9	11	12	14	16	18	20	20	18	20
-35°	7	8	8	10	11	12	13	14	14	14	15
-37.5°	6	7	7	8	9	9	10	10	10	11	11
-40°	6	6	6	7	7	7	8	8	8	9	9
-42.5°	5	5	6	6	6	7	7	7	7	7	7
-45°	4	5	5	5	5	6	6	6	6	6	6
-47.5°	4	4	4	5	5	5	5	5	5	5	5
-50°	4	4	4	4	4	5	5	5	5	5	5
-52.5°	3	3	3	4	4	4	4	4	4	4	4
-55°	3	3	3	3	3	3	3	3	3	4	4
-57.5°	2	3	3	3	3	3	3	3	3	3	3
-60°	2	2	2	2	2	2	2	2	3	3	3
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-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°	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: G2-1802-569-45 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-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°	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°	2	2	2	2	2	2	2	2	2	2	2
60°	3	3	3	3	3	3	3	3	3	3	2
57.5°	3	3	3	3	3	3	3	3	3	3	3
55°	4	4	4	4	4	4	4	4	4	3	3
52.5°	4	4	4	4	4	4	4	4	4	4	4
50°	5	5	5	5	5	5	5	5	5	5	5
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°	8	8	8	8	8	8	8	7	7	7	7
40°	9	9	9	9	9	9	9	9	9	8	8
37.5°	11	11	11	11	11	11	11	11	11	10	10
35°	15	15	15	15	15	15	15	15	14	14	14
32.5°	20	20	20	19	20	20	20	20	18	20	20
30°	29	30	29	27	29	30	29	28	28	31	31
27.5°	45	45	44	41	44	45	45	42	46	52	50
25°	73	75	73	68	73	75	73	67	78	83	81
22.5°	111	114	112	105	112	114	111	113	124	127	123
20°	163	168	166	155	166	168	163	171	180	182	175
17.5°	232	235	230	215	230	235	232	242	246	242	233
15°	309	301	295	279	295	301	309	317	318	310	294
12.5°	373	356	350	334	350	356	373	383	383	376	360
10°	426	412	401	385	401	412	426	437	441	433	421
7.5°	476	461	443	430	443	461	476	482	488	484	473
5°	509	497	473	460	473	497	509	521	528	517	495
2.5°	535	515	489	475	489	515	535	539	544	535	514
0°	544	523	494	484	494	523	544	553	558	551	529
-2.5°	535	515	489	475	489	515	535	539	544	535	514
-5°	509	497	473	460	473	497	509	521	528	517	495
-7.5°	476	461	443	430	443	461	476	482	488	484	473
-10°	426	412	401	385	401	412	426	437	441	433	421
-12.5°	373	356	350	334	350	356	373	383	383	376	360
-15°	309	301	295	279	295	301	309	317	318	310	294
-17.5°	232	235	230	215	230	235	232	242	246	242	233
-20°	163	168	166	155	166	168	163	171	180	182	175



REPORT NUMBER: G2-1802-569-45 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	111	114	112	105	112	114	111	113	124	127	123
-25°	73	75	73	68	73	75	73	67	78	83	81
-27.5°	45	45	44	41	44	45	45	42	46	52	50
-30°	29	30	29	27	29	30	29	28	28	31	31
-32.5°	20	20	20	19	20	20	20	20	18	20	20
-35°	15	15	15	15	15	15	15	15	14	14	14
-37.5°	11	11	11	11	11	11	11	11	11	10	10
-40°	9	9	9	9	9	9	9	9	9	8	8
-42.5°	8	8	8	8	8	8	8	7	7	7	7
-45°	6	6	6	6	6	6	6	6	6	6	6
-47.5°	5	5	5	5	5	5	5	5	5	5	5
-50°	5	5	5	5	5	5	5	5	5	5	5
-52.5°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	3	3
-57.5°	3	3	3	3	3	3	3	3	3	3	3
-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°	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: G2-1802-569-45 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-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°	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°	2	2	2	2	2	2	2	2	2	2	1
57.5°	3	3	3	3	3	3	2	2	2	2	2
55°	3	3	3	3	3	3	3	3	2	2	2
52.5°	4	4	4	4	3	3	3	3	3	3	2
50°	5	5	4	4	4	4	4	3	3	3	3
47.5°	5	5	5	5	4	4	4	4	4	3	3
45°	6	6	5	5	5	5	4	4	4	4	3
42.5°	7	7	6	6	6	5	5	4	4	4	4
40°	8	7	7	7	6	6	6	5	5	4	4
37.5°	10	9	9	8	7	7	6	6	5	5	4
35°	13	12	11	10	8	8	7	6	6	5	5
32.5°	18	16	14	12	11	9	8	7	6	5	5
30°	28	24	20	17	15	12	10	8	7	6	5
27.5°	45	36	30	26	21	17	13	10	8	7	6
25°	73	60	51	43	33	23	17	13	10	7	6
22.5°	111	98	84	67	51	36	23	16	12	9	7
20°	160	144	125	102	76	51	32	21	15	10	7
17.5°	216	194	170	141	108	75	47	27	17	12	8
15°	273	246	215	184	145	101	61	34	21	14	9
12.5°	330	298	263	226	177	125	78	45	26	16	11
10°	391	349	303	254	203	148	95	55	31	18	12
7.5°	437	380	329	280	227	168	111	63	35	20	13
5°	460	405	352	302	247	184	124	70	39	21	14
2.5°	479	424	370	320	263	197	134	76	43	22	15
0°	493	435	383	332	275	205	141	79	45	23	15
-2.5°	479	424	370	320	263	197	134	76	43	22	15
-5°	460	405	352	302	247	184	124	70	39	21	14
-7.5°	437	380	329	280	227	168	111	63	35	20	13
-10°	391	349	303	254	203	148	95	55	31	18	12
-12.5°	330	298	263	226	177	125	78	45	26	16	11
-15°	273	246	215	184	145	101	61	34	21	14	9
-17.5°	216	194	170	141	108	75	47	27	17	12	8
-20°	160	144	125	102	76	51	32	21	15	10	7



REPORT NUMBER: G2-1802-569-45 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	111	98	84	67	51	36	23	16	12	9	7
-25°	73	60	51	43	33	23	17	13	10	7	6
-27.5°	45	36	30	26	21	17	13	10	8	7	6
-30°	28	24	20	17	15	12	10	8	7	6	5
-32.5°	18	16	14	12	11	9	8	7	6	5	5
-35°	13	12	11	10	8	8	7	6	6	5	5
-37.5°	10	9	9	8	7	7	6	6	5	5	4
-40°	8	7	7	7	6	6	6	5	5	4	4
-42.5°	7	7	6	6	6	5	5	4	4	4	4
-45°	6	6	5	5	5	5	4	4	4	4	3
-47.5°	5	5	5	5	4	4	4	4	4	3	3
-50°	5	5	4	4	4	4	4	3	3	3	3
-52.5°	4	4	4	4	3	3	3	3	3	3	2
-55°	3	3	3	3	3	3	3	3	2	2	2
-57.5°	3	3	3	3	3	3	2	2	2	2	2
-60°	2	2	2	2	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	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: G2-1802-569-45 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-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	1	1	1	1	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	0	0
70°	1	1	1	1	1	1	1	1	1	1	0
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	1	1	1
57.5°	2	1	1	1	1	1	1	1	1	1	1
55°	2	2	2	1	1	1	1	1	1	1	1
52.5°	2	2	2	2	2	1	1	1	1	1	1
50°	2	2	2	2	2	1	1	1	1	1	1
47.5°	3	2	2	2	2	2	1	1	1	1	1
45°	3	3	2	2	2	2	2	1	1	1	1
42.5°	4	3	3	2	2	2	2	1	1	1	1
40°	4	4	3	2	2	2	2	2	1	1	1
37.5°	4	4	3	3	2	2	2	2	1	1	1
35°	4	4	4	3	2	2	2	2	1	1	1
32.5°	5	4	4	4	3	2	2	2	2	1	1
30°	5	5	4	4	3	2	2	2	2	1	1
27.5°	5	5	4	4	3	3	2	2	2	1	1
25°	5	5	4	4	4	3	2	2	2	1	1
22.5°	6	5	5	4	4	3	2	2	2	1	1
20°	6	5	5	4	4	3	2	2	2	1	1
17.5°	6	5	5	4	4	3	2	2	2	2	1
15°	7	6	5	4	4	4	3	2	2	2	1
12.5°	8	6	5	5	4	4	3	2	2	2	1
10°	8	6	5	5	4	4	3	2	2	2	1
7.5°	8	7	6	5	4	4	3	2	2	2	1
5°	9	7	6	5	4	4	3	2	2	2	1
2.5°	9	7	6	5	4	4	3	2	2	2	1
0°	9	7	6	5	4	4	3	2	2	2	1
-2.5°	9	7	6	5	4	4	3	2	2	2	1
-5°	9	7	6	5	4	4	3	2	2	2	1
-7.5°	8	7	6	5	4	4	3	2	2	2	1
-10°	8	6	5	5	4	4	3	2	2	2	1
-12.5°	8	6	5	5	4	4	3	2	2	2	1
-15°	7	6	5	4	4	4	3	2	2	2	1
-17.5°	6	5	5	4	4	3	2	2	2	2	1
-20°	6	5	5	4	4	3	2	2	2	1	1



REPORT NUMBER: G2-1802-569-45 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6	5	5	4	4	3	2	2	2	1	1
-25°	5	5	4	4	4	3	2	2	2	1	1
-27.5°	5	5	4	4	3	3	2	2	2	1	1
-30°	5	5	4	4	3	2	2	2	2	1	1
-32.5°	5	4	4	4	3	2	2	2	2	1	1
-35°	4	4	4	3	2	2	2	2	1	1	1
-37.5°	4	4	3	3	2	2	2	2	1	1	1
-40°	4	4	3	2	2	2	2	2	1	1	1
-42.5°	4	3	3	2	2	2	2	1	1	1	1
-45°	3	3	2	2	2	2	2	1	1	1	1
-47.5°	3	2	2	2	2	2	1	1	1	1	1
-50°	2	2	2	2	2	1	1	1	1	1	1
-52.5°	2	2	2	2	2	1	1	1	1	1	1
-55°	2	2	2	1	1	1	1	1	1	1	1
-57.5°	2	1	1	1	1	1	1	1	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	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	0
-72.5°	1	1	1	1	1	1	1	1	1	0	0
-75°	1	1	1	1	1	1	1	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: G2-1802-569-45 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-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°	1	0	0	0	0	0	0
62.5°	1	0	0	0	0	0	0
60°	1	0	0	0	0	0	0
57.5°	1	1	0	0	0	0	0
55°	1	1	0	0	0	0	0
52.5°	1	1	0	0	0	0	0
50°	1	1	1	0	0	0	0
47.5°	1	1	1	0	0	0	0
45°	1	1	1	0	0	0	0
42.5°	1	1	1	0	0	0	0
40°	1	1	1	0	0	0	0
37.5°	1	1	1	0	0	0	0
35°	1	1	1	0	0	0	0
32.5°	1	1	1	1	0	0	0
30°	1	1	1	1	0	0	0
27.5°	1	1	1	1	0	0	0
25°	1	1	1	1	0	0	0
22.5°	1	1	1	1	0	0	0
20°	1	1	1	1	0	0	0
17.5°	1	1	1	1	0	0	0
15°	1	1	1	1	0	0	0
12.5°	1	1	1	1	0	0	0
10°	1	1	1	1	0	0	0
7.5°	1	1	1	1	0	0	0
5°	1	1	1	1	0	0	0
2.5°	1	1	1	1	0	0	0
0°	1	1	1	1	0	0	0
-2.5°	1	1	1	1	0	0	0
-5°	1	1	1	1	0	0	0
-7.5°	1	1	1	1	0	0	0
-10°	1	1	1	1	0	0	0
-12.5°	1	1	1	1	0	0	0
-15°	1	1	1	1	0	0	0
-17.5°	1	1	1	1	0	0	0
-20°	1	1	1	1	0	0	0



REPORT NUMBER: G2-1802-569-45 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LSL

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1	1	1	1	0	0	0
-25°	1	1	1	1	0	0	0
-27.5°	1	1	1	1	0	0	0
-30°	1	1	1	1	0	0	0
-32.5°	1	1	1	1	0	0	0
-35°	1	1	1	0	0	0	0
-37.5°	1	1	1	0	0	0	0
-40°	1	1	1	0	0	0	0
-42.5°	1	1	1	0	0	0	0
-45°	1	1	1	0	0	0	0
-47.5°	1	1	1	0	0	0	0
-50°	1	1	1	0	0	0	0
-52.5°	1	1	0	0	0	0	0
-55°	1	1	0	0	0	0	0
-57.5°	1	1	0	0	0	0	0
-60°	1	0	0	0	0	0	0
-62.5°	1	0	0	0	0	0	0
-65°	1	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)