

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: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Test Date: 04/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-9 (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: 203-8LED4036-12-CS
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD SILVER
Light Source: (1) SORAA 4000K 90 CRI LED SM16-07-36D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

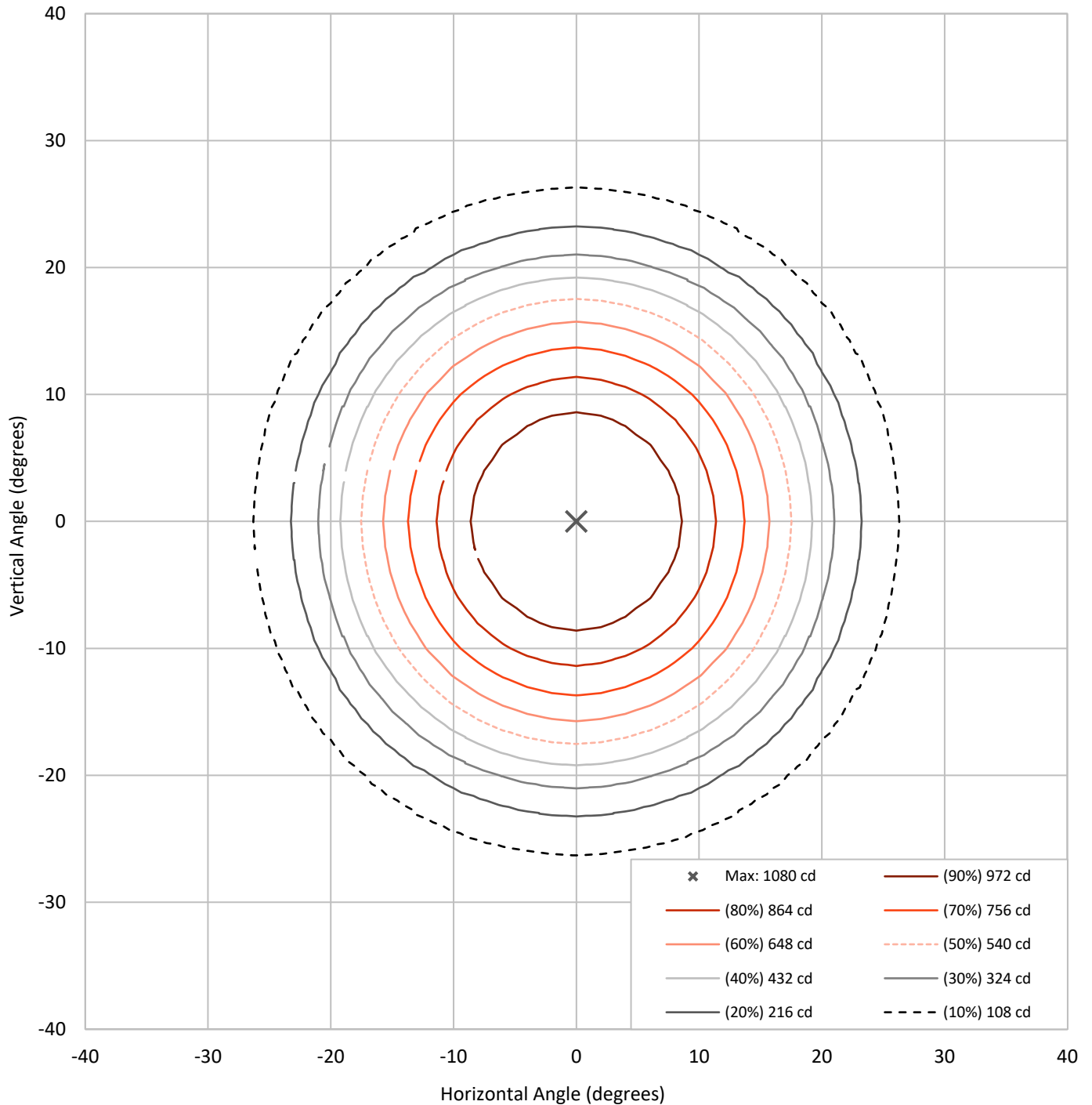
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	371.3 lumens	Max Intensity:	1080 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	48.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	35.1°H x 35.1°V	Field Angle (10%):	52.5°H x 52.5°V
Beam Lumens:	239.6 lumens	Field Lumens:	335.8 lumens
Beam Efficiency:	64.5%	Field Efficiency:	90.4%
Input Watts (W):	7.6		
Input Voltage (V):	12.0		
Input Current (Ain):	0.667		
Voltage Rise (V):	NR		
Power Factor:	0.9902		
Total Harmonic Distortion (THDi):	27.4%		
Frequency (hertz):	60		
Stabilization Time:	0.5 HR		
Operation Time:	3 HR		
Ambient Temperature (°C):	25.3		
Test Distance:	25 FT		



REPORT NUMBER: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





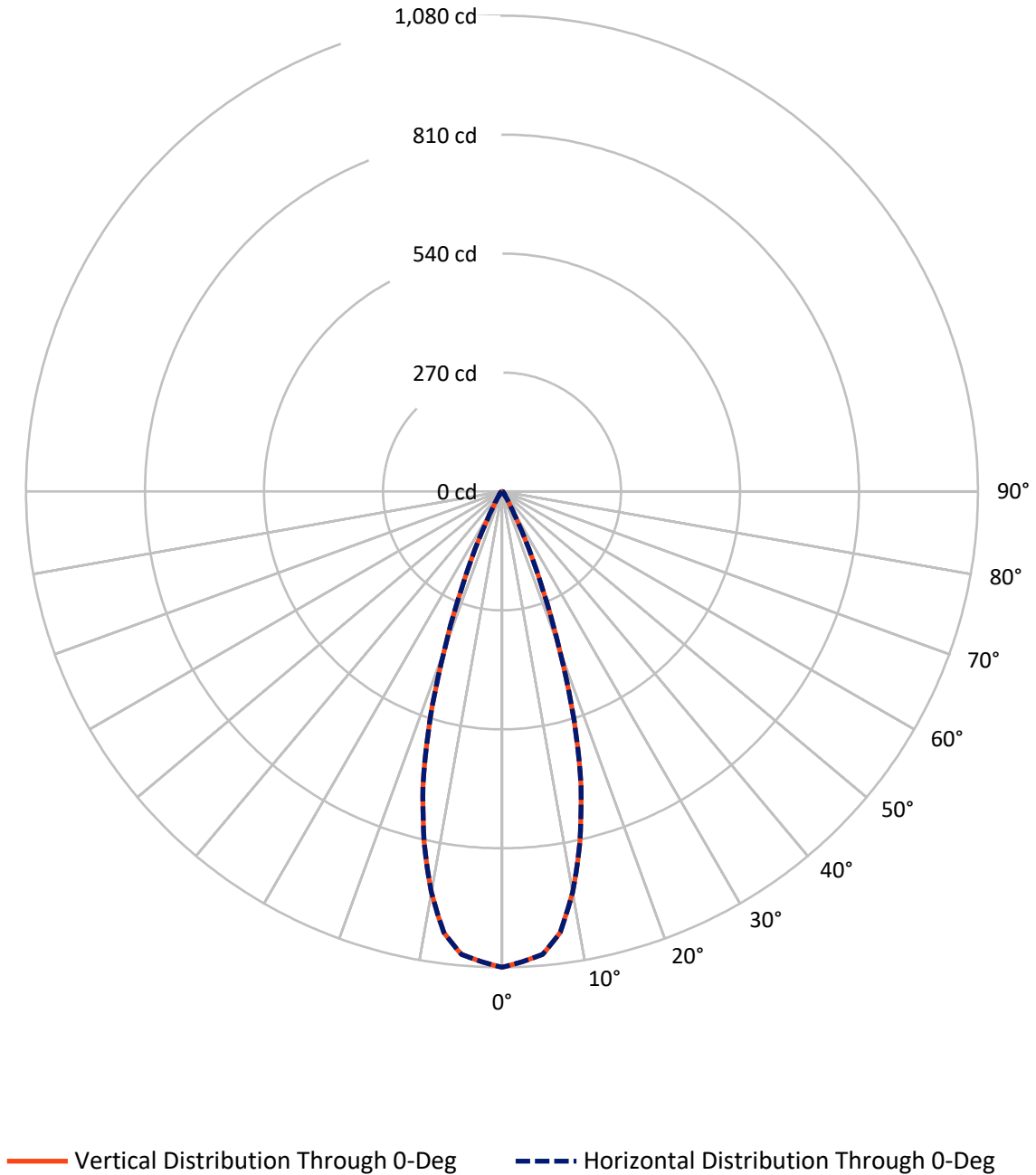
REPORT NUMBER: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS

Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
40		0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.5	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.1	0.2	0.5	1.9	4.4	4.4	1.9	0.5	0.2	0.1	0.0	0.0	0.0	0.0
20		0.0	0.1	0.1	0.3	1.8	9.6	18.7	18.7	9.6	1.8	0.3	0.1	0.1	0.0	0.0	0.0
10	0.0	0.0	0.1	0.1	0.4	4.1	18.2	29.7	29.7	18.2	4.1	0.4	0.1	0.1	0.0	0.0	0.0
0		0.0	0.1	0.1	0.4	4.1	18.2	29.7	29.7	18.2	4.1	0.4	0.1	0.1	0.0	0.0	0.0
-10	0.0	0.0	0.1	0.1	0.3	1.8	9.6	18.7	18.7	9.6	1.8	0.3	0.1	0.1	0.0	0.0	0.0
-20		0.0	0.0	0.1	0.2	0.5	1.9	4.4	4.4	1.9	0.5	0.2	0.1	0.0	0.0	0.0	0.0
-30	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.5	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0
-40		0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
-50	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
-60		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

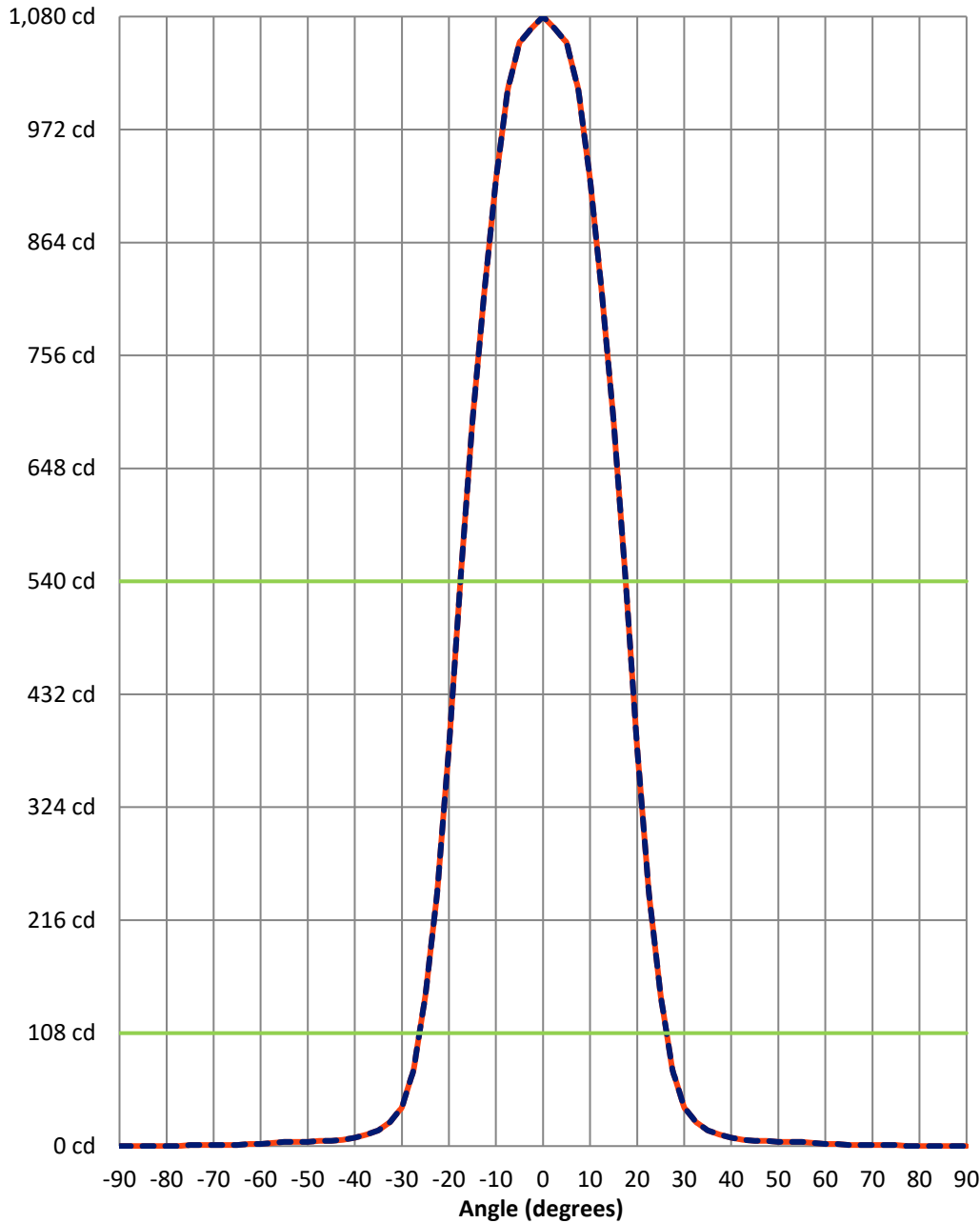
REPORT NUMBER: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED4036-12-CS

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 35.1°
V Angle: 35.1°
Lumens: 239.6
Efficiency: 64.5%

Field:
H Angle: 52.5°
V Angle: 52.5°
Lumens: 335.8
Efficiency: 90.4%

Spill:
Lumens: 35.5
Efficiency: 9.6%

— 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	1
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	0	1	1
45°	0	0	0	0	0	0	0	0	1	1	1
42.5°	0	0	0	0	0	0	0	0	1	1	1
40°	0	0	0	0	0	0	0	0	1	1	1
37.5°	0	0	0	0	0	0	0	1	1	1	1
35°	0	0	0	0	0	0	0	1	1	1	1
32.5°	0	0	0	0	0	0	0	1	1	1	1
30°	0	0	0	0	0	0	0	1	1	1	1
27.5°	0	0	0	0	0	0	0	1	1	1	1
25°	0	0	0	0	0	0	0	1	1	1	1
22.5°	0	0	0	0	0	0	1	1	1	1	1
20°	0	0	0	0	0	0	1	1	1	1	1
17.5°	0	0	0	0	0	0	1	1	1	1	1
15°	0	0	0	0	0	0	1	1	1	1	1
12.5°	0	0	0	0	0	0	1	1	1	1	1
10°	0	0	0	0	0	0	1	1	1	1	1
7.5°	0	0	0	0	0	0	1	1	1	1	1
5°	0	0	0	0	0	0	1	1	1	1	1
2.5°	0	0	0	0	0	0	1	1	1	1	1
0°	0	0	0	0	0	0	1	1	1	1	1
-2.5°	0	0	0	0	0	0	1	1	1	1	1
-5°	0	0	0	0	0	0	1	1	1	1	1
-7.5°	0	0	0	0	0	0	1	1	1	1	1
-10°	0	0	0	0	0	0	1	1	1	1	1
-12.5°	0	0	0	0	0	0	1	1	1	1	1
-15°	0	0	0	0	0	0	1	1	1	1	1
-17.5°	0	0	0	0	0	0	1	1	1	1	1
-20°	0	0	0	0	0	0	1	1	1	1	1



REPORT NUMBER: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS

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	1	1	1	1	1
-25°	0	0	0	0	0	0	0	1	1	1	1
-27.5°	0	0	0	0	0	0	0	1	1	1	1
-30°	0	0	0	0	0	0	0	1	1	1	1
-32.5°	0	0	0	0	0	0	0	1	1	1	1
-35°	0	0	0	0	0	0	0	1	1	1	1
-37.5°	0	0	0	0	0	0	0	1	1	1	1
-40°	0	0	0	0	0	0	0	0	1	1	1
-42.5°	0	0	0	0	0	0	0	0	1	1	1
-45°	0	0	0	0	0	0	0	0	1	1	1
-47.5°	0	0	0	0	0	0	0	0	0	1	1
-50°	0	0	0	0	0	0	0	0	0	1	1
-52.5°	0	0	0	0	0	0	0	0	0	0	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: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS

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	1
70°	0	0	0	0	0	0	0	1	1	1	1
67.5°	0	0	0	0	0	1	1	1	1	1	1
65°	0	0	0	1	1	1	1	1	1	1	1
62.5°	0	0	1	1	1	1	1	1	1	1	1
60°	0	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	2
52.5°	1	1	1	1	1	1	1	1	2	2	2
50°	1	1	1	1	1	1	1	2	2	2	2
47.5°	1	1	1	1	1	1	2	2	2	2	3
45°	1	1	1	1	1	2	2	2	3	3	4
42.5°	1	1	1	1	2	2	2	3	3	4	4
40°	1	1	1	1	2	2	2	3	4	4	4
37.5°	1	1	1	2	2	2	3	4	4	4	4
35°	1	1	1	2	2	3	3	4	4	4	4
32.5°	1	1	2	2	2	3	4	4	4	4	5
30°	1	1	2	2	3	4	4	4	4	5	5
27.5°	1	2	2	2	3	4	4	4	4	5	5
25°	1	2	2	3	3	4	4	4	5	5	5
22.5°	1	2	2	3	4	4	4	4	5	5	6
20°	1	2	2	3	4	4	4	5	5	5	7
17.5°	1	2	2	3	4	4	4	5	5	6	7
15°	2	2	3	3	4	4	4	5	5	6	8
12.5°	2	2	3	4	4	4	5	5	5	7	9
10°	2	2	3	4	4	4	5	5	6	7	10
7.5°	2	2	3	4	4	4	5	5	6	8	10
5°	2	2	3	4	4	4	5	5	6	8	11
2.5°	2	2	3	4	4	4	5	5	6	8	11
0°	2	2	3	4	4	4	5	5	6	8	11
-2.5°	2	2	3	4	4	4	5	5	6	8	11
-5°	2	2	3	4	4	4	5	5	6	8	11
-7.5°	2	2	3	4	4	4	5	5	6	8	10
-10°	2	2	3	4	4	4	5	5	6	7	10
-12.5°	2	2	3	4	4	4	5	5	5	7	9
-15°	2	2	3	3	4	4	4	5	5	6	8
-17.5°	1	2	2	3	4	4	4	5	5	6	7
-20°	1	2	2	3	4	4	4	5	5	5	7



REPORT NUMBER: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1	2	2	3	4	4	4	4	5	5	6
-25°	1	2	2	3	3	4	4	4	5	5	5
-27.5°	1	2	2	2	3	4	4	4	4	5	5
-30°	1	1	2	2	3	4	4	4	4	5	5
-32.5°	1	1	2	2	2	3	4	4	4	4	5
-35°	1	1	1	2	2	3	3	4	4	4	4
-37.5°	1	1	1	2	2	2	3	4	4	4	4
-40°	1	1	1	1	2	2	2	3	4	4	4
-42.5°	1	1	1	1	2	2	2	3	3	4	4
-45°	1	1	1	1	1	2	2	2	3	3	4
-47.5°	1	1	1	1	1	1	2	2	2	2	3
-50°	1	1	1	1	1	1	1	2	2	2	2
-52.5°	1	1	1	1	1	1	1	1	2	2	2
-55°	1	1	1	1	1	1	1	1	1	1	2
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-60°	0	1	1	1	1	1	1	1	1	1	1
-62.5°	0	0	1	1	1	1	1	1	1	1	1
-65°	0	0	0	1	1	1	1	1	1	1	1
-67.5°	0	0	0	0	0	1	1	1	1	1	1
-70°	0	0	0	0	0	0	0	1	1	1	1
-72.5°	0	0	0	0	0	0	0	0	0	0	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: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS

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	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	2	2	2
60°	1	1	1	2	2	2	2	2	2	2	2
57.5°	1	2	2	2	2	2	2	2	3	3	3
55°	2	2	2	2	3	3	3	3	3	4	4
52.5°	2	2	3	3	3	4	4	4	4	4	4
50°	3	3	4	4	4	4	4	4	4	4	4
47.5°	3	4	4	4	4	4	4	4	4	5	5
45°	4	4	4	4	4	4	5	5	5	5	5
42.5°	4	4	4	4	5	5	5	5	5	5	6
40°	4	4	5	5	5	5	5	6	6	7	7
37.5°	4	5	5	5	5	6	7	7	8	9	10
35°	5	5	5	6	6	7	8	10	11	12	13
32.5°	5	5	6	7	8	9	11	13	14	16	19
30°	5	6	7	8	10	12	14	17	21	24	29
27.5°	6	7	8	10	13	15	20	25	31	37	47
25°	6	8	10	13	16	21	28	36	49	68	88
22.5°	7	9	12	15	21	29	40	60	88	124	161
20°	8	11	14	20	28	40	63	100	151	201	253
17.5°	10	13	17	25	36	60	100	160	223	299	376
15°	11	14	21	31	49	88	151	223	315	417	513
12.5°	12	16	24	37	68	124	201	299	417	537	640
10°	13	19	29	47	88	161	253	376	513	640	738
7.5°	14	21	32	57	108	192	303	445	593	716	817
5°	15	22	35	65	128	217	345	499	649	770	875
2.5°	15	23	36	71	140	236	372	533	682	804	911
0°	15	23	37	73	144	242	381	544	693	816	924
-2.5°	15	23	36	71	140	236	372	533	682	804	911
-5°	15	22	35	65	128	217	345	499	649	770	875
-7.5°	14	21	32	57	108	192	303	445	593	716	817
-10°	13	19	29	47	88	161	253	376	513	640	738
-12.5°	12	16	24	37	68	124	201	299	417	537	640
-15°	11	14	21	31	49	88	151	223	315	417	513
-17.5°	10	13	17	25	36	60	100	160	223	299	376
-20°	8	11	14	20	28	40	63	100	151	201	253



REPORT NUMBER: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7	9	12	15	21	29	40	60	88	124	161
-25°	6	8	10	13	16	21	28	36	49	68	88
-27.5°	6	7	8	10	13	15	20	25	31	37	47
-30°	5	6	7	8	10	12	14	17	21	24	29
-32.5°	5	5	6	7	8	9	11	13	14	16	19
-35°	5	5	5	6	6	7	8	10	11	12	13
-37.5°	4	5	5	5	5	6	7	7	8	9	10
-40°	4	4	5	5	5	5	5	6	6	7	7
-42.5°	4	4	4	4	5	5	5	5	5	5	6
-45°	4	4	4	4	4	4	5	5	5	5	5
-47.5°	3	4	4	4	4	4	4	4	4	5	5
-50°	3	3	4	4	4	4	4	4	4	4	4
-52.5°	2	2	3	3	3	4	4	4	4	4	4
-55°	2	2	2	2	3	3	3	3	3	4	4
-57.5°	1	2	2	2	2	2	2	2	3	3	3
-60°	1	1	1	2	2	2	2	2	2	2	2
-62.5°	1	1	1	1	1	1	1	1	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°	0	0	0	0	0	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: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS

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°	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	2	2	2	1
60°	2	2	2	2	2	2	2	2	2	2	2
57.5°	3	3	3	3	3	3	3	3	3	3	2
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°	4	4	4	4	4	4	4	4	4	4	4
47.5°	5	5	5	5	5	5	5	5	5	4	4
45°	5	5	5	5	5	5	5	5	5	5	5
42.5°	6	6	6	6	6	6	6	6	5	5	5
40°	8	8	8	8	8	8	8	7	7	6	6
37.5°	10	11	11	11	11	11	10	10	9	8	7
35°	14	15	15	15	15	15	14	13	12	11	10
32.5°	21	22	23	23	23	22	21	19	16	14	13
30°	32	35	36	37	36	35	32	29	24	21	17
27.5°	57	65	71	73	71	65	57	47	37	31	25
25°	108	128	140	144	140	128	108	88	68	49	36
22.5°	192	217	236	242	236	217	192	161	124	88	60
20°	303	345	372	381	372	345	303	253	201	151	100
17.5°	445	499	533	544	533	499	445	376	299	223	160
15°	593	649	682	693	682	649	593	513	417	315	223
12.5°	716	770	804	816	804	770	716	640	537	417	299
10°	817	875	911	924	911	875	817	738	640	513	376
7.5°	899	963	999	1010	999	963	899	817	716	593	445
5°	963	1022	1048	1055	1048	1022	963	875	770	649	499
2.5°	999	1048	1065	1069	1065	1048	999	911	804	682	533
0°	1010	1055	1069	1080	1069	1055	1010	924	816	693	544
-2.5°	999	1048	1065	1069	1065	1048	999	911	804	682	533
-5°	963	1022	1048	1055	1048	1022	963	875	770	649	499
-7.5°	899	963	999	1010	999	963	899	817	716	593	445
-10°	817	875	911	924	911	875	817	738	640	513	376
-12.5°	716	770	804	816	804	770	716	640	537	417	299
-15°	593	649	682	693	682	649	593	513	417	315	223
-17.5°	445	499	533	544	533	499	445	376	299	223	160
-20°	303	345	372	381	372	345	303	253	201	151	100



REPORT NUMBER: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	192	217	236	242	236	217	192	161	124	88	60
-25°	108	128	140	144	140	128	108	88	68	49	36
-27.5°	57	65	71	73	71	65	57	47	37	31	25
-30°	32	35	36	37	36	35	32	29	24	21	17
-32.5°	21	22	23	23	23	22	21	19	16	14	13
-35°	14	15	15	15	15	15	14	13	12	11	10
-37.5°	10	11	11	11	11	11	10	10	9	8	7
-40°	8	8	8	8	8	8	8	7	7	6	6
-42.5°	6	6	6	6	6	6	6	6	5	5	5
-45°	5	5	5	5	5	5	5	5	5	5	5
-47.5°	5	5	5	5	5	5	5	5	5	4	4
-50°	4	4	4	4	4	4	4	4	4	4	4
-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	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	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	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: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS

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°	1	1	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	0	0	0
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°	2	2	2	2	1	1	1	1	1	1	1
57.5°	2	2	2	2	2	2	1	1	1	1	1
55°	3	3	3	2	2	2	2	2	1	1	1
52.5°	4	4	3	3	3	2	2	2	2	2	1
50°	4	4	4	4	4	3	3	2	2	2	2
47.5°	4	4	4	4	4	4	3	3	2	2	2
45°	5	4	4	4	4	4	4	4	3	3	2
42.5°	5	5	5	4	4	4	4	4	4	3	3
40°	5	5	5	5	5	4	4	4	4	4	3
37.5°	7	6	5	5	5	5	4	4	4	4	4
35°	8	7	6	6	5	5	5	4	4	4	4
32.5°	11	9	8	7	6	5	5	5	4	4	4
30°	14	12	10	8	7	6	5	5	5	4	4
27.5°	20	15	13	10	8	7	6	5	5	4	4
25°	28	21	16	13	10	8	6	5	5	5	4
22.5°	40	29	21	15	12	9	7	6	5	5	4
20°	63	40	28	20	14	11	8	7	5	5	5
17.5°	100	60	36	25	17	13	10	7	6	5	5
15°	151	88	49	31	21	14	11	8	6	5	5
12.5°	201	124	68	37	24	16	12	9	7	5	5
10°	253	161	88	47	29	19	13	10	7	6	5
7.5°	303	192	108	57	32	21	14	10	8	6	5
5°	345	217	128	65	35	22	15	11	8	6	5
2.5°	372	236	140	71	36	23	15	11	8	6	5
0°	381	242	144	73	37	23	15	11	8	6	5
-2.5°	372	236	140	71	36	23	15	11	8	6	5
-5°	345	217	128	65	35	22	15	11	8	6	5
-7.5°	303	192	108	57	32	21	14	10	8	6	5
-10°	253	161	88	47	29	19	13	10	7	6	5
-12.5°	201	124	68	37	24	16	12	9	7	5	5
-15°	151	88	49	31	21	14	11	8	6	5	5
-17.5°	100	60	36	25	17	13	10	7	6	5	5
-20°	63	40	28	20	14	11	8	7	5	5	5



REPORT NUMBER: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	40	29	21	15	12	9	7	6	5	5	4
-25°	28	21	16	13	10	8	6	5	5	5	4
-27.5°	20	15	13	10	8	7	6	5	5	4	4
-30°	14	12	10	8	7	6	5	5	5	4	4
-32.5°	11	9	8	7	6	5	5	5	4	4	4
-35°	8	7	6	6	5	5	5	4	4	4	4
-37.5°	7	6	5	5	5	5	4	4	4	4	4
-40°	5	5	5	5	5	4	4	4	4	4	3
-42.5°	5	5	5	4	4	4	4	4	4	3	3
-45°	5	4	4	4	4	4	4	4	3	3	2
-47.5°	4	4	4	4	4	4	3	3	2	2	2
-50°	4	4	4	4	4	3	3	2	2	2	2
-52.5°	4	4	3	3	3	2	2	2	2	2	1
-55°	3	3	3	2	2	2	2	2	1	1	1
-57.5°	2	2	2	2	2	2	1	1	1	1	1
-60°	2	2	2	2	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	1
-72.5°	1	1	1	1	1	1	1	1	0	0	0
-75°	1	1	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: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS

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°	1	1	0	0	0	0	0	0	0	0	0
65°	1	1	1	1	0	0	0	0	0	0	0
62.5°	1	1	1	1	1	0	0	0	0	0	0
60°	1	1	1	1	1	1	0	0	0	0	0
57.5°	1	1	1	1	1	1	1	0	0	0	0
55°	1	1	1	1	1	1	1	1	0	0	0
52.5°	1	1	1	1	1	1	1	1	0	0	0
50°	1	1	1	1	1	1	1	1	1	0	0
47.5°	2	1	1	1	1	1	1	1	1	0	0
45°	2	2	1	1	1	1	1	1	1	1	0
42.5°	2	2	2	1	1	1	1	1	1	1	0
40°	2	2	2	1	1	1	1	1	1	1	0
37.5°	3	2	2	2	1	1	1	1	1	1	1
35°	3	3	2	2	1	1	1	1	1	1	1
32.5°	4	3	2	2	2	1	1	1	1	1	1
30°	4	4	3	2	2	1	1	1	1	1	1
27.5°	4	4	3	2	2	2	1	1	1	1	1
25°	4	4	3	3	2	2	1	1	1	1	1
22.5°	4	4	4	3	2	2	1	1	1	1	1
20°	4	4	4	3	2	2	1	1	1	1	1
17.5°	4	4	4	3	2	2	1	1	1	1	1
15°	4	4	4	3	3	2	2	1	1	1	1
12.5°	5	4	4	4	3	2	2	1	1	1	1
10°	5	4	4	4	3	2	2	1	1	1	1
7.5°	5	4	4	4	3	2	2	1	1	1	1
5°	5	4	4	4	3	2	2	1	1	1	1
2.5°	5	4	4	4	3	2	2	1	1	1	1
0°	5	4	4	4	3	2	2	1	1	1	1
-2.5°	5	4	4	4	3	2	2	1	1	1	1
-5°	5	4	4	4	3	2	2	1	1	1	1
-7.5°	5	4	4	4	3	2	2	1	1	1	1
-10°	5	4	4	4	3	2	2	1	1	1	1
-12.5°	5	4	4	4	3	2	2	1	1	1	1
-15°	4	4	4	3	3	2	2	1	1	1	1
-17.5°	4	4	4	3	2	2	1	1	1	1	1
-20°	4	4	4	3	2	2	1	1	1	1	1



REPORT NUMBER: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4	4	4	3	2	2	1	1	1	1	1
-25°	4	4	3	3	2	2	1	1	1	1	1
-27.5°	4	4	3	2	2	2	1	1	1	1	1
-30°	4	4	3	2	2	1	1	1	1	1	1
-32.5°	4	3	2	2	2	1	1	1	1	1	1
-35°	3	3	2	2	1	1	1	1	1	1	1
-37.5°	3	2	2	2	1	1	1	1	1	1	1
-40°	2	2	2	1	1	1	1	1	1	1	0
-42.5°	2	2	2	1	1	1	1	1	1	1	0
-45°	2	2	1	1	1	1	1	1	1	1	0
-47.5°	2	1	1	1	1	1	1	1	1	0	0
-50°	1	1	1	1	1	1	1	1	1	0	0
-52.5°	1	1	1	1	1	1	1	1	0	0	0
-55°	1	1	1	1	1	1	1	1	0	0	0
-57.5°	1	1	1	1	1	1	1	0	0	0	0
-60°	1	1	1	1	1	1	0	0	0	0	0
-62.5°	1	1	1	1	1	0	0	0	0	0	0
-65°	1	1	1	1	0	0	0	0	0	0	0
-67.5°	1	1	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: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS

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°	1	0	0	0	0	0	0
20°	1	0	0	0	0	0	0
17.5°	1	0	0	0	0	0	0
15°	1	0	0	0	0	0	0
12.5°	1	0	0	0	0	0	0
10°	1	0	0	0	0	0	0
7.5°	1	0	0	0	0	0	0
5°	1	0	0	0	0	0	0
2.5°	1	0	0	0	0	0	0
0°	1	0	0	0	0	0	0
-2.5°	1	0	0	0	0	0	0
-5°	1	0	0	0	0	0	0
-7.5°	1	0	0	0	0	0	0
-10°	1	0	0	0	0	0	0
-12.5°	1	0	0	0	0	0	0
-15°	1	0	0	0	0	0	0
-17.5°	1	0	0	0	0	0	0
-20°	1	0	0	0	0	0	0



REPORT NUMBER: G2-1802-569-9 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1	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)