

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: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-46 (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-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD SILVER, HEX CELL LOUVER
Light Source: (1) SORAA 4000K 90 CRI LED
SM16-07-36D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

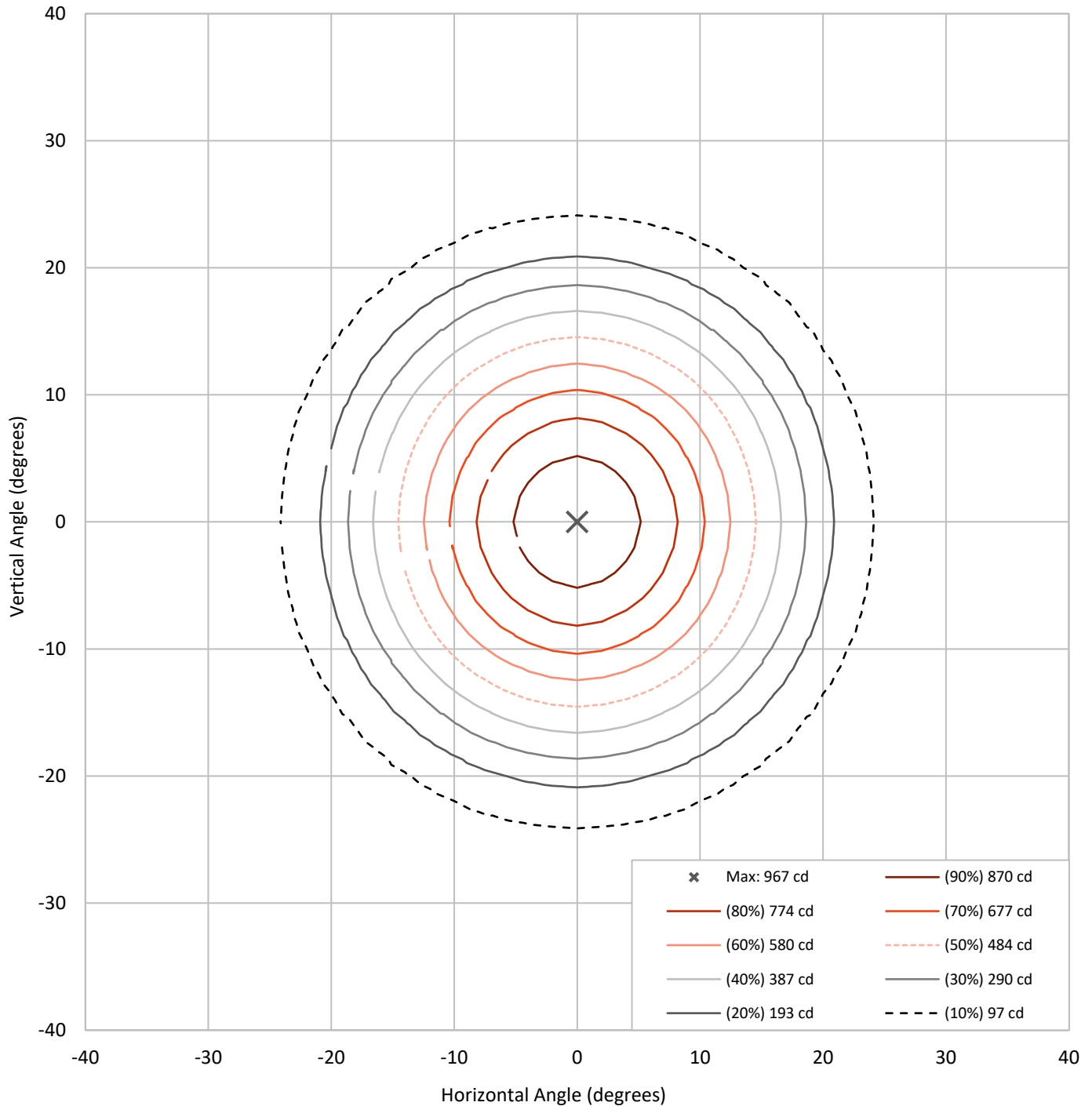
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	251.6 lumens	Max Intensity:	967 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	33.1 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	29.1°H x 29.1°V	Field Angle (10%):	48.2°H x 48.2°V
Beam Lumens:	143.7 lumens	Field Lumens:	227.2 lumens
Beam Efficiency:	57.1%	Field Efficiency:	90.3%
Input Watts (W):	7.6		
Input Voltage (V):	12.0		
Input Current (Ain):	0.669		
Voltage Rise (V):	NR		
Power Factor:	0.9904		
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		



REPORT NUMBER: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED4036-12-CS-LVR

Iso-Candela Plot





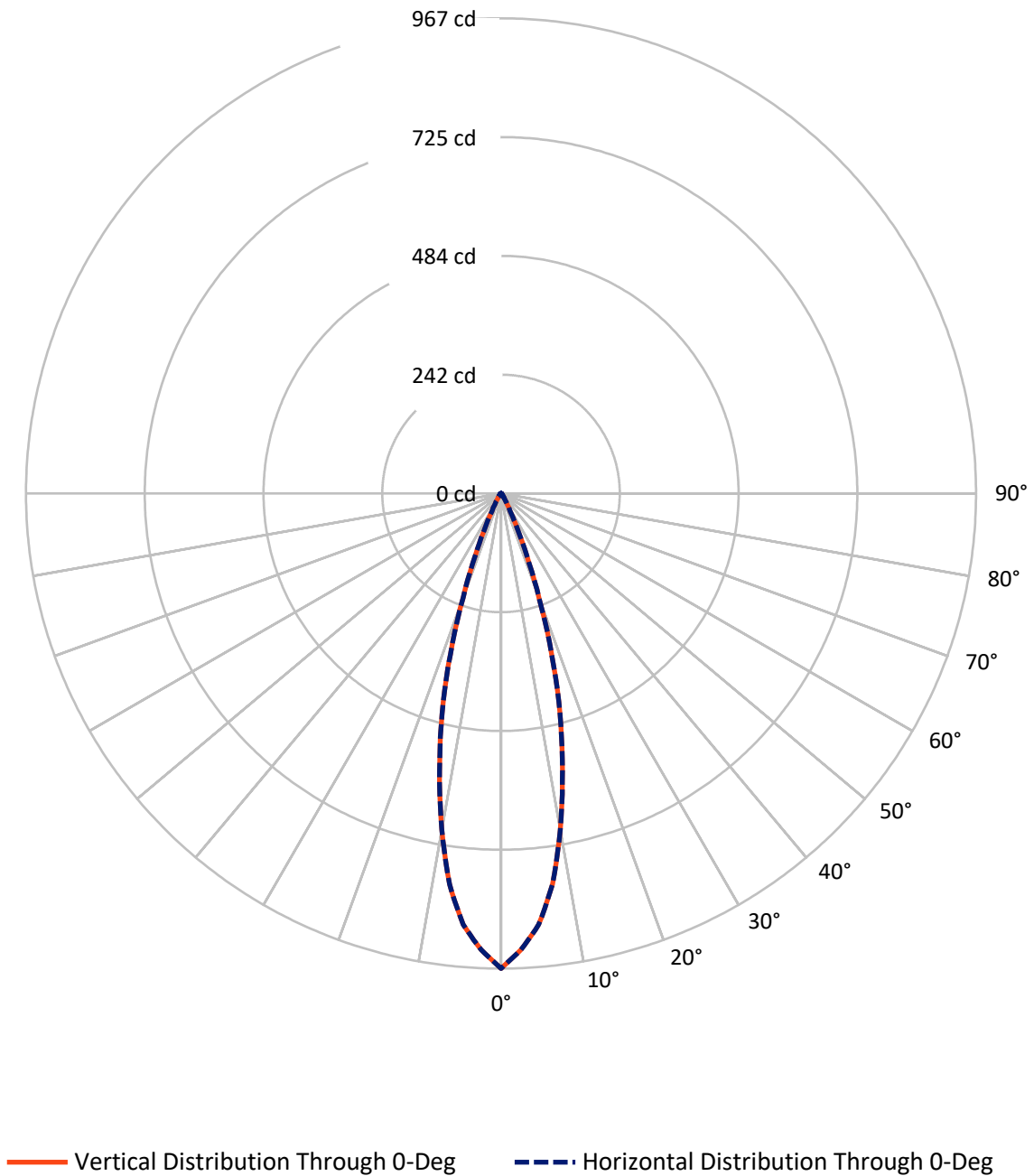
REPORT NUMBER: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LVR

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
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
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
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		
50	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
40		0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.2	0.1	0.0	0.0	0.0		
30	0.0	0.0	0.0	0.0	0.1	0.3	1.1	2.4	2.4	1.1	0.3	0.1	0.0	0.0	0.0	0.0
20		0.0	0.0	0.1	0.2	1.0	5.7	12.5	12.5	5.7	1.0	0.2	0.1	0.0	0.0	
10	0.0	0.0	0.0	0.1	0.3	2.3	12.1	23.5	23.5	12.1	2.3	0.3	0.1	0.0	0.0	0.0
0		0.0	0.0	0.1	0.3	2.3	12.1	23.5	23.5	12.1	2.3	0.3	0.1	0.0	0.0	
-10	0.0	0.0	0.0	0.1	0.3	2.3	12.1	23.5	23.5	12.1	2.3	0.3	0.1	0.0	0.0	0.0
-20		0.0	0.0	0.1	0.2	1.0	5.7	12.5	12.5	5.7	1.0	0.2	0.1	0.0	0.0	
-30	0.0	0.0	0.0	0.0	0.1	0.3	1.1	2.4	2.4	1.1	0.3	0.1	0.0	0.0	0.0	0.0
-40		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
-50	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	0.0	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
-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		
-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

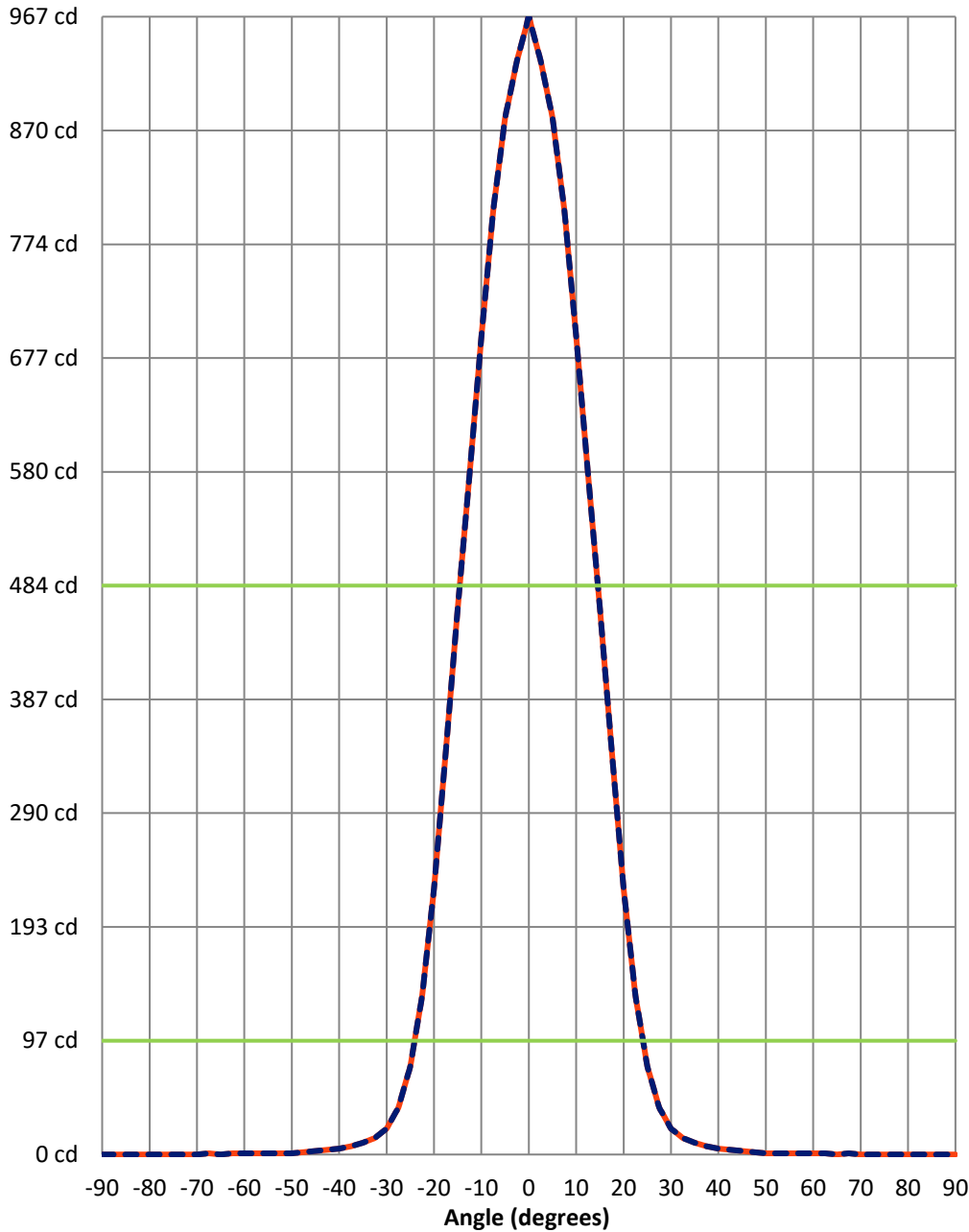
REPORT NUMBER: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED4036-12-CS-LVR

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 29.1°
 V Angle: 29.1°
 Lumens: 143.7
 Efficiency: 57.1%

Field:
 H Angle: 48.2°
 V Angle: 48.2°
 Lumens: 227.2
 Efficiency: 90.3%

Spill:
 Lumens: 24.4
 Efficiency: 9.7%

— 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	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	1
27.5°	0	0	0	0	0	0	0	0	0	0	1
25°	0	0	0	0	0	0	0	0	0	0	1
22.5°	0	0	0	0	0	0	0	0	0	0	1
20°	0	0	0	0	0	0	0	0	0	0	1
17.5°	0	0	0	0	0	0	0	0	0	1	0
15°	0	0	0	0	0	0	0	0	0	1	0
12.5°	0	0	0	0	0	0	0	0	0	1	0
10°	0	0	0	0	0	0	0	0	0	1	0
7.5°	0	0	0	0	0	0	0	0	0	1	0
5°	0	0	0	0	0	0	0	0	0	1	0
2.5°	0	0	0	0	0	0	0	0	0	1	0
0°	0	0	0	0	0	0	0	0	0	1	0
-2.5°	0	0	0	0	0	0	0	0	0	1	0
-5°	0	0	0	0	0	0	0	0	0	1	0
-7.5°	0	0	0	0	0	0	0	0	0	1	0
-10°	0	0	0	0	0	0	0	0	0	1	0
-12.5°	0	0	0	0	0	0	0	0	0	1	0
-15°	0	0	0	0	0	0	0	0	0	1	0
-17.5°	0	0	0	0	0	0	0	0	0	1	0
-20°	0	0	0	0	0	0	0	0	0	0	1



REPORT NUMBER: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LVR

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	1
-25°	0	0	0	0	0	0	0	0	0	0	1
-27.5°	0	0	0	0	0	0	0	0	0	0	1
-30°	0	0	0	0	0	0	0	0	0	0	1
-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: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LVR

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



REPORT NUMBER: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LVR

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	1	1	1	1	1	2	3	4
-25°	0	1	1	1	1	1	1	1	2	3	3
-27.5°	0	1	1	1	1	1	1	1	1	2	3
-30°	1	0	1	1	1	1	1	1	1	2	2
-32.5°	1	0	1	1	1	1	1	1	1	1	2
-35°	1	0	0	1	1	1	1	1	1	1	1
-37.5°	1	1	0	1	1	1	1	1	1	1	1
-40°	0	1	0	0	1	1	1	1	1	1	1
-42.5°	0	1	1	0	1	1	1	1	1	1	1
-45°	0	0	1	0	0	1	1	1	1	1	1
-47.5°	0	0	1	1	0	0	1	1	1	1	1
-50°	0	0	0	1	1	0	0	1	1	1	1
-52.5°	0	0	0	0	1	1	0	0	1	1	1
-55°	0	0	0	0	0	1	1	0	0	0	1
-57.5°	0	0	0	0	0	0	1	1	1	0	0
-60°	0	0	0	0	0	0	0	0	1	1	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: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LVR

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	1	1	1	1
65°	0	0	1	1	1	1	1	0	0	0	0
62.5°	1	1	1	0	0	0	0	0	1	1	1
60°	0	0	0	1	1	1	1	1	1	1	1
57.5°	0	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
52.5°	1	1	1	1	1	1	1	1	1	1	1
50°	1	1	1	1	1	1	1	1	1	1	1
47.5°	1	1	1	1	1	1	1	1	1	2	2
45°	1	1	1	1	1	1	2	2	2	2	3
42.5°	1	1	1	1	2	2	3	3	3	3	4
40°	1	1	2	2	3	3	3	4	4	4	5
37.5°	1	2	2	3	3	4	4	5	5	6	6
35°	2	2	3	4	4	5	5	6	7	8	9
32.5°	2	3	4	4	5	6	7	8	9	11	12
30°	3	4	4	5	6	8	9	11	13	15	17
27.5°	4	4	5	7	8	10	12	15	19	22	26
25°	4	5	6	8	10	13	17	21	28	37	47
22.5°	5	6	8	10	13	18	23	33	47	65	85
20°	5	7	9	12	17	23	35	53	79	109	142
17.5°	6	8	11	15	21	33	53	84	123	172	223
15°	7	9	13	19	28	47	79	123	183	252	321
12.5°	8	11	15	22	37	65	109	172	252	338	419
10°	9	12	17	26	47	85	142	223	321	419	504
7.5°	9	13	19	32	57	104	175	271	380	484	579
5°	10	13	21	36	67	119	202	310	427	534	639
2.5°	10	14	22	39	73	131	220	335	454	567	680
0°	10	14	22	40	75	135	226	343	464	578	695
-2.5°	10	14	22	39	73	131	220	335	454	567	680
-5°	10	13	21	36	67	119	202	310	427	534	639
-7.5°	9	13	19	32	57	104	175	271	380	484	579
-10°	9	12	17	26	47	85	142	223	321	419	504
-12.5°	8	11	15	22	37	65	109	172	252	338	419
-15°	7	9	13	19	28	47	79	123	183	252	321
-17.5°	6	8	11	15	21	33	53	84	123	172	223
-20°	5	7	9	12	17	23	35	53	79	109	142



REPORT NUMBER: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LVR

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5	6	8	10	13	18	23	33	47	65	85
-25°	4	5	6	8	10	13	17	21	28	37	47
-27.5°	4	4	5	7	8	10	12	15	19	22	26
-30°	3	4	4	5	6	8	9	11	13	15	17
-32.5°	2	3	4	4	5	6	7	8	9	11	12
-35°	2	2	3	4	4	5	5	6	7	8	9
-37.5°	1	2	2	3	3	4	4	5	5	6	6
-40°	1	1	2	2	3	3	3	4	4	4	5
-42.5°	1	1	1	1	2	2	3	3	3	3	4
-45°	1	1	1	1	1	1	2	2	2	2	3
-47.5°	1	1	1	1	1	1	1	1	1	2	2
-50°	1	1	1	1	1	1	1	1	1	1	1
-52.5°	1	1	1	1	1	1	1	1	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	0	1	1	1	1	1	1	1	1	1	1
-60°	0	0	0	1	1	1	1	1	1	1	1
-62.5°	1	1	1	0	0	0	0	0	1	1	1
-65°	0	0	1	1	1	1	1	0	0	0	0
-67.5°	0	0	0	0	0	0	0	1	1	1	1
-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: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LVR

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°	1	1	1	1	1	1	1	1	1	1	1
65°	0	0	0	0	0	0	0	0	0	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	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	1
52.5°	1	1	1	1	1	1	1	1	1	1	1
50°	1	1	1	1	1	1	1	1	1	1	1
47.5°	2	2	2	2	2	2	2	2	2	1	1
45°	3	3	3	3	3	3	3	3	2	2	2
42.5°	4	4	4	4	4	4	4	4	3	3	3
40°	5	5	5	5	5	5	5	5	4	4	4
37.5°	6	7	7	7	7	7	6	6	6	5	5
35°	9	10	10	10	10	10	9	9	8	7	6
32.5°	13	13	14	14	14	13	13	12	11	9	8
30°	19	21	22	22	22	21	19	17	15	13	11
27.5°	32	36	39	40	39	36	32	26	22	19	15
25°	57	67	73	75	73	67	57	47	37	28	21
22.5°	104	119	131	135	131	119	104	85	65	47	33
20°	175	202	220	226	220	202	175	142	109	79	53
17.5°	271	310	335	343	335	310	271	223	172	123	84
15°	380	427	454	464	454	427	380	321	252	183	123
12.5°	484	534	567	578	567	534	484	419	338	252	172
10°	579	639	680	695	680	639	579	504	419	321	223
7.5°	667	741	787	803	787	741	667	579	484	380	271
5°	741	819	865	881	865	819	741	639	534	427	310
2.5°	787	865	911	930	911	865	787	680	567	454	335
0°	803	881	930	967	930	881	803	695	578	464	343
-2.5°	787	865	911	930	911	865	787	680	567	454	335
-5°	741	819	865	881	865	819	741	639	534	427	310
-7.5°	667	741	787	803	787	741	667	579	484	380	271
-10°	579	639	680	695	680	639	579	504	419	321	223
-12.5°	484	534	567	578	567	534	484	419	338	252	172
-15°	380	427	454	464	454	427	380	321	252	183	123
-17.5°	271	310	335	343	335	310	271	223	172	123	84
-20°	175	202	220	226	220	202	175	142	109	79	53



REPORT NUMBER: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LVR

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	104	119	131	135	131	119	104	85	65	47	33
-25°	57	67	73	75	73	67	57	47	37	28	21
-27.5°	32	36	39	40	39	36	32	26	22	19	15
-30°	19	21	22	22	22	21	19	17	15	13	11
-32.5°	13	13	14	14	14	13	13	12	11	9	8
-35°	9	10	10	10	10	10	9	9	8	7	6
-37.5°	6	7	7	7	7	7	6	6	6	5	5
-40°	5	5	5	5	5	5	5	5	4	4	4
-42.5°	4	4	4	4	4	4	4	4	3	3	3
-45°	3	3	3	3	3	3	3	3	2	2	2
-47.5°	2	2	2	2	2	2	2	2	2	1	1
-50°	1	1	1	1	1	1	1	1	1	1	1
-52.5°	1	1	1	1	1	1	1	1	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	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	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-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: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LVR

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°	1	1	1	1	1	0	0	0	0	0	0
62.5°	0	0	0	0	1	1	1	1	0	0	0
60°	1	1	1	1	0	0	0	1	1	1	0
57.5°	1	1	1	1	1	1	0	0	0	1	1
55°	1	1	1	1	1	1	1	1	0	0	0
52.5°	1	1	1	1	1	1	1	1	1	1	0
50°	1	1	1	1	1	1	1	1	1	1	1
47.5°	1	1	1	1	1	1	1	1	1	1	1
45°	2	1	1	1	1	1	1	1	1	1	1
42.5°	3	2	2	1	1	1	1	1	1	1	1
40°	3	3	3	2	2	1	1	1	1	1	1
37.5°	4	4	3	3	2	2	1	1	1	1	1
35°	5	5	4	4	3	2	2	1	1	1	1
32.5°	7	6	5	4	4	3	2	2	1	1	1
30°	9	8	6	5	4	4	3	2	2	1	1
27.5°	12	10	8	7	5	4	4	3	2	1	1
25°	17	13	10	8	6	5	4	3	3	2	1
22.5°	23	18	13	10	8	6	5	4	3	2	1
20°	35	23	17	12	9	7	5	4	3	3	2
17.5°	53	33	21	15	11	8	6	5	4	3	2
15°	79	47	28	19	13	9	7	5	4	3	2
12.5°	109	65	37	22	15	11	8	6	4	3	2
10°	142	85	47	26	17	12	9	6	5	4	3
7.5°	175	104	57	32	19	13	9	6	5	4	3
5°	202	119	67	36	21	13	10	7	5	4	3
2.5°	220	131	73	39	22	14	10	7	5	4	3
0°	226	135	75	40	22	14	10	7	5	4	3
-2.5°	220	131	73	39	22	14	10	7	5	4	3
-5°	202	119	67	36	21	13	10	7	5	4	3
-7.5°	175	104	57	32	19	13	9	6	5	4	3
-10°	142	85	47	26	17	12	9	6	5	4	3
-12.5°	109	65	37	22	15	11	8	6	4	3	2
-15°	79	47	28	19	13	9	7	5	4	3	2
-17.5°	53	33	21	15	11	8	6	5	4	3	2
-20°	35	23	17	12	9	7	5	4	3	3	2



REPORT NUMBER: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LVR

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	23	18	13	10	8	6	5	4	3	2	1
-25°	17	13	10	8	6	5	4	3	3	2	1
-27.5°	12	10	8	7	5	4	4	3	2	1	1
-30°	9	8	6	5	4	4	3	2	2	1	1
-32.5°	7	6	5	4	4	3	2	2	1	1	1
-35°	5	5	4	4	3	2	2	1	1	1	1
-37.5°	4	4	3	3	2	2	1	1	1	1	1
-40°	3	3	3	2	2	1	1	1	1	1	1
-42.5°	3	2	2	1	1	1	1	1	1	1	1
-45°	2	1	1	1	1	1	1	1	1	1	1
-47.5°	1	1	1	1	1	1	1	1	1	1	1
-50°	1	1	1	1	1	1	1	1	1	1	1
-52.5°	1	1	1	1	1	1	1	1	1	1	0
-55°	1	1	1	1	1	1	1	1	0	0	0
-57.5°	1	1	1	1	1	1	0	0	0	1	1
-60°	1	1	1	1	0	0	0	1	1	1	0
-62.5°	0	0	0	0	1	1	1	1	0	0	0
-65°	1	1	1	1	1	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: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LVR

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



REPORT NUMBER: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LVR

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1	1	1	1	1	1	0	1	0	0	0
-25°	1	1	1	1	1	1	0	1	0	0	0
-27.5°	1	1	1	1	1	1	0	1	0	0	0
-30°	1	1	1	1	1	0	1	1	0	0	0
-32.5°	1	1	1	1	1	0	1	0	0	0	0
-35°	1	1	1	1	0	0	1	0	0	0	0
-37.5°	1	1	1	1	0	1	1	0	0	0	0
-40°	1	1	1	0	0	1	0	0	0	0	0
-42.5°	1	1	1	0	1	1	0	0	0	0	0
-45°	1	1	0	0	1	0	0	0	0	0	0
-47.5°	1	0	0	1	1	0	0	0	0	0	0
-50°	0	0	1	1	0	0	0	0	0	0	0
-52.5°	0	1	1	0	0	0	0	0	0	0	0
-55°	1	1	0	0	0	0	0	0	0	0	0
-57.5°	1	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: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LVR

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: G2-1802-569-46 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-CS-LVR

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)