

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: G2-1802-569-35 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED4036-12-BK-OSL**

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-35 (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-BK-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 4000K 95 CRI LED
SM16-07-36D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

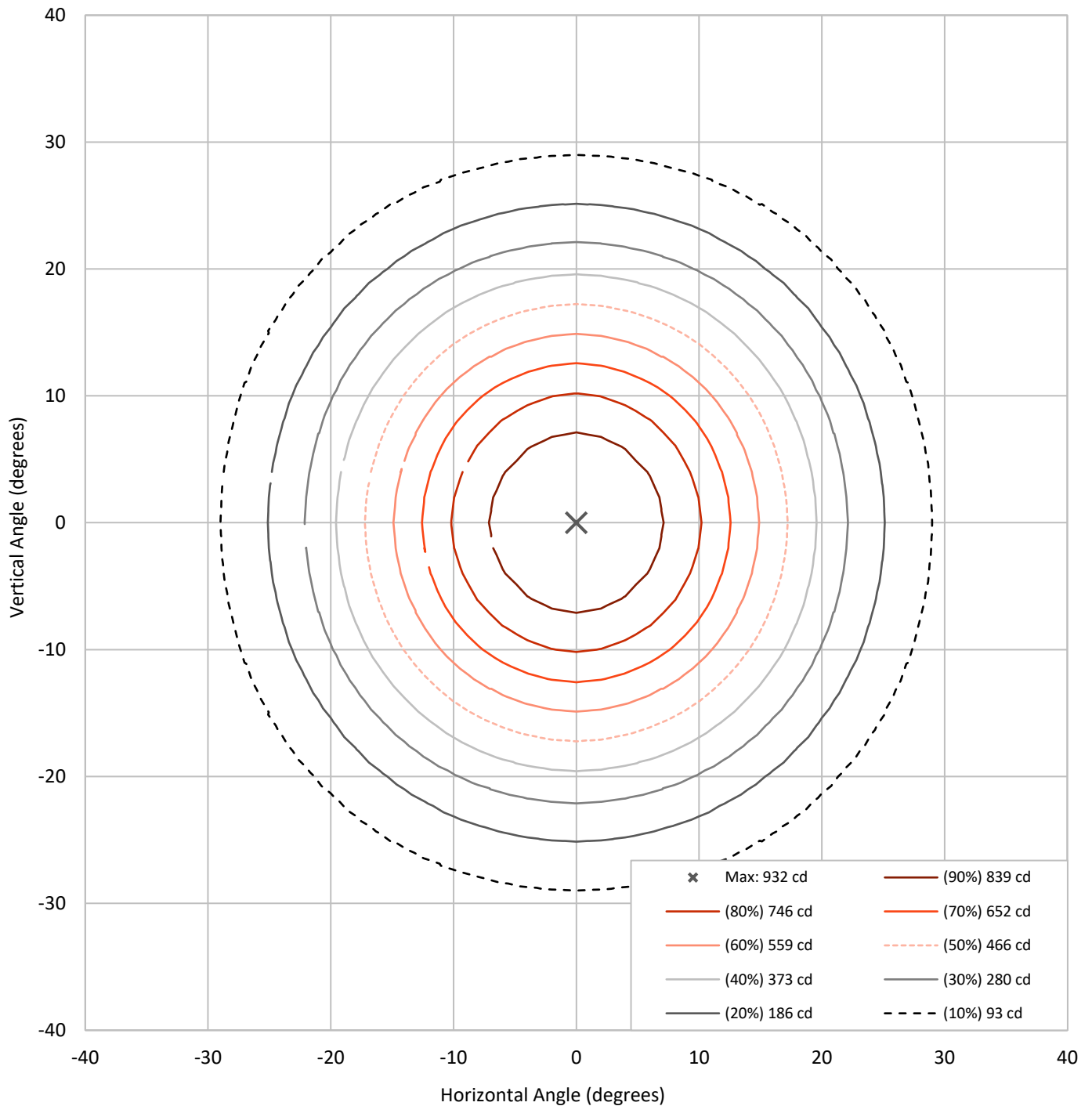
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	337.5 lumens	Max Intensity:	932 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	43.8 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	34.5°H x 34.5°V	Field Angle (10%):	58°H x 58°V
Beam Lumens:	189.3 lumens	Field Lumens:	312.6 lumens
Beam Efficiency:	56.1%	Field Efficiency:	92.6%
Input Watts (W):	7.7		
Input Voltage (V):	12.0		
Input Current (Ain):	0.680		
Voltage Rise (V):	NR		
Power Factor:	0.9908		
Total Harmonic Distortion (THDi):	27.3%		
Frequency (hertz):	60		
Stabilization Time:	0.5 HR		
Operation Time:	3 HR		
Ambient Temperature (°C):	24.9		
Test Distance:	25 FT		



REPORT NUMBER: G2-1802-569-35 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





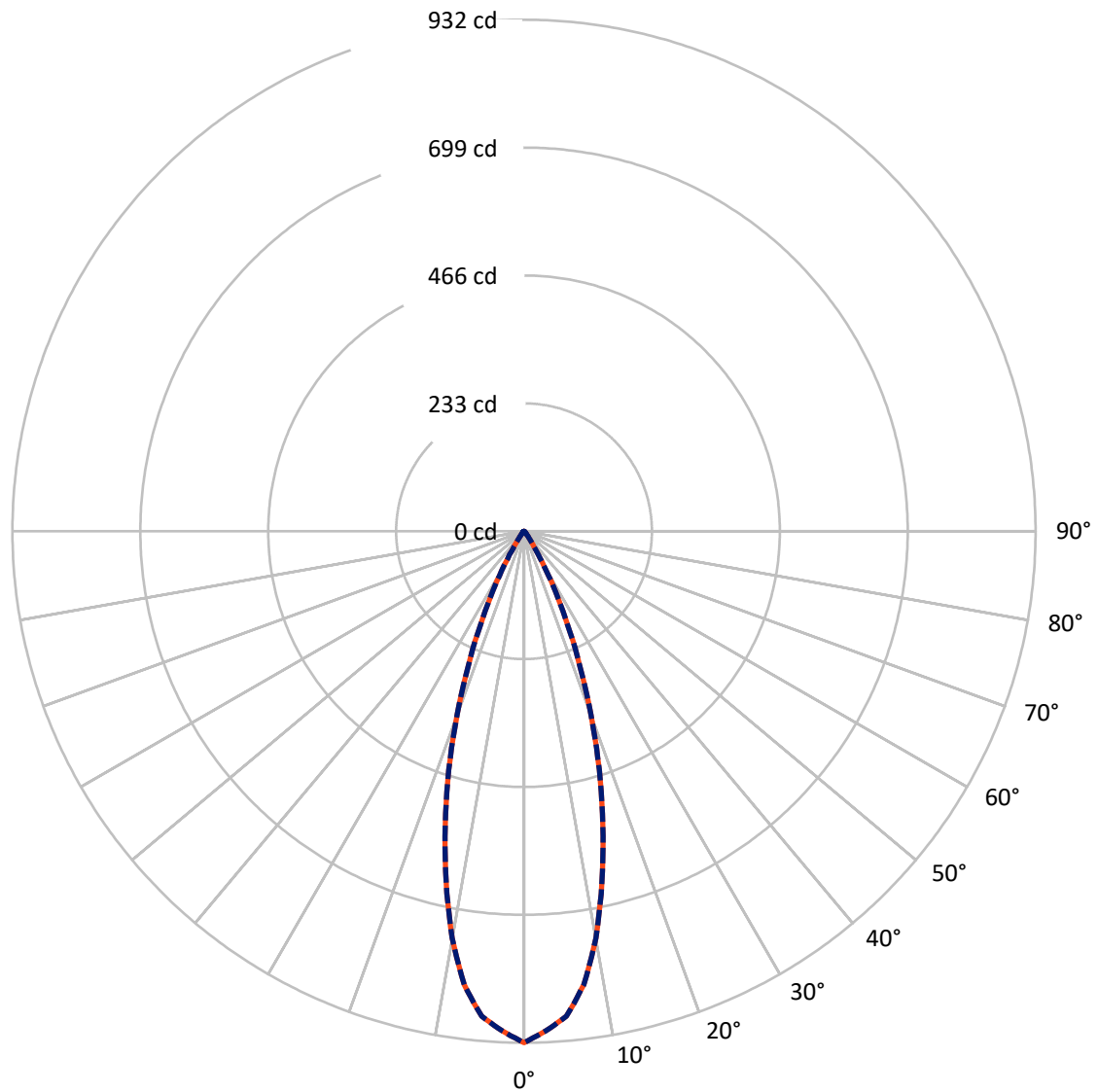
REPORT NUMBER: G2-1802-569-35 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.0															
80	0.0															
70	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
50	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	0.0	0.0	0.0
30	0.0															
20	0.0	0.0	0.0	0.1	0.8	3.0	5.5	5.5	3.0	0.8	0.1	0.0	0.0	0.0	0.0	0.0
10	0.0															
0	0.0	0.0	0.1	0.6	5.0	15.1	24.5	24.5	15.1	5.0	0.6	0.1	0.0	0.0	0.0	0.0
-10	0.0															
-20	0.0	0.0	0.1	0.4	2.8	9.3	15.5	15.5	9.3	2.8	0.4	0.1	0.0	0.0	0.0	0.0
-30	0.0															
-40	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
-50	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															
-80	0.0															
-90	0.0															

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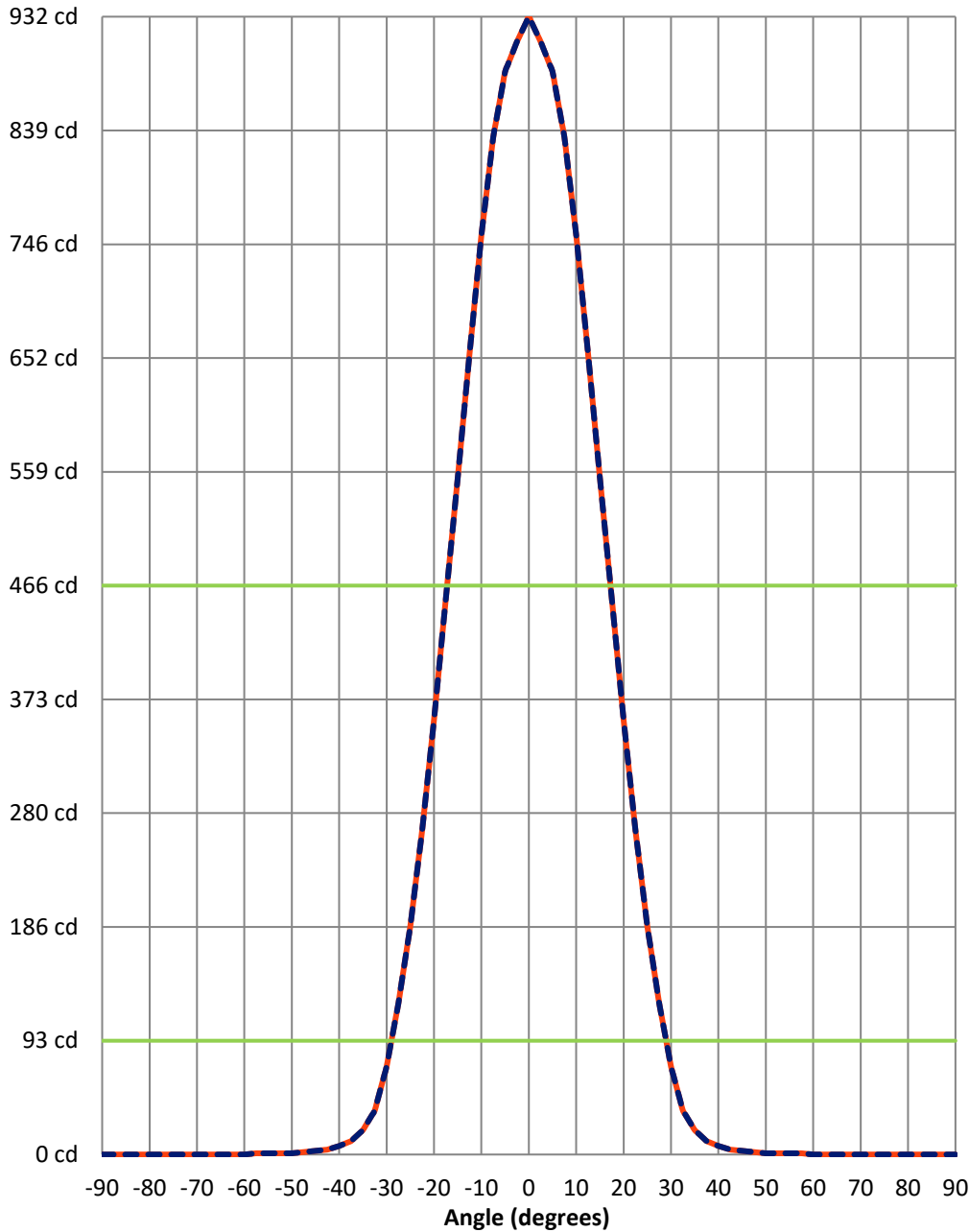
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 34.5°
 V Angle: 34.5°
 Lumens: 189.3
 Efficiency: 56.1%

Field:
 H Angle: 58°
 V Angle: 58°
 Lumens: 312.6
 Efficiency: 92.6%

Spill:
 Lumens: 24.9
 Efficiency: 7.4%

- 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: G2-1802-569-35 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-BK-OSL

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: G2-1802-569-35 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-BK-OSL

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	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	1
45°	0	0	0	0	0	0	0	0	1	1	1
42.5°	0	0	0	0	0	0	0	1	1	1	1
40°	0	0	0	0	0	0	0	1	1	1	1
37.5°	0	0	0	0	0	0	1	1	1	1	1
35°	0	0	0	0	0	1	1	1	1	1	1
32.5°	0	0	0	0	0	1	1	1	1	1	2
30°	0	0	0	0	1	1	1	1	1	2	2
27.5°	0	0	0	0	1	1	1	1	1	2	3
25°	0	0	0	1	1	1	1	1	2	3	3
22.5°	0	0	0	1	1	1	1	1	2	3	4
20°	0	0	0	1	1	1	1	2	3	3	5
17.5°	0	0	0	1	1	1	1	2	3	4	6
15°	0	0	1	1	1	1	1	2	3	4	7
12.5°	0	0	1	1	1	1	2	2	3	5	8
10°	0	0	1	1	1	1	2	3	4	6	9
7.5°	0	0	1	1	1	1	2	3	4	6	10
5°	0	0	1	1	1	1	2	3	4	7	11
2.5°	0	0	1	1	1	1	2	3	4	7	11
0°	0	0	1	1	1	1	2	3	4	7	11
-2.5°	0	0	1	1	1	1	2	3	4	7	11
-5°	0	0	1	1	1	1	2	3	4	7	11
-7.5°	0	0	1	1	1	1	2	3	4	6	10
-10°	0	0	1	1	1	1	2	3	4	6	9
-12.5°	0	0	1	1	1	1	2	2	3	5	8
-15°	0	0	1	1	1	1	1	2	3	4	7
-17.5°	0	0	0	1	1	1	1	2	3	4	6
-20°	0	0	0	1	1	1	1	2	3	3	5



REPORT NUMBER: G2-1802-569-35 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-BK-OSL

CANDELA DISTRIBUTION (continued):

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

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	0	0	0
57.5°	0	0	0	0	0	0	0	0	1	1	1
55°	0	0	0	0	1	1	1	1	1	1	1
52.5°	0	0	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	5	6
37.5°	1	2	2	3	3	4	5	6	7	8	9
35°	2	2	3	4	5	6	8	9	11	13	16
32.5°	2	3	4	5	7	9	11	15	18	23	27
30°	3	4	5	7	10	13	18	24	31	39	51
27.5°	4	5	7	10	15	20	29	40	57	72	88
25°	5	7	10	15	21	32	49	69	92	118	141
22.5°	6	9	13	20	32	52	76	107	140	172	201
20°	8	11	18	29	49	76	112	153	192	234	274
17.5°	9	15	24	40	69	107	153	200	252	304	353
15°	11	18	31	57	92	140	192	252	315	379	437
12.5°	13	23	39	72	118	172	234	304	379	451	516
10°	16	27	51	88	141	201	274	353	437	516	590
7.5°	18	31	60	103	160	227	307	396	485	572	657
5°	19	34	67	114	175	247	334	429	522	617	709
2.5°	20	35	71	121	184	261	350	449	546	646	742
0°	20	36	72	124	187	266	356	456	554	656	753
-2.5°	20	35	71	121	184	261	350	449	546	646	742
-5°	19	34	67	114	175	247	334	429	522	617	709
-7.5°	18	31	60	103	160	227	307	396	485	572	657
-10°	16	27	51	88	141	201	274	353	437	516	590
-12.5°	13	23	39	72	118	172	234	304	379	451	516
-15°	11	18	31	57	92	140	192	252	315	379	437
-17.5°	9	15	24	40	69	107	153	200	252	304	353
-20°	8	11	18	29	49	76	112	153	192	234	274



REPORT NUMBER: G2-1802-569-35 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-BK-OSL

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6	9	13	20	32	52	76	107	140	172	201
-25°	5	7	10	15	21	32	49	69	92	118	141
-27.5°	4	5	7	10	15	20	29	40	57	72	88
-30°	3	4	5	7	10	13	18	24	31	39	51
-32.5°	2	3	4	5	7	9	11	15	18	23	27
-35°	2	2	3	4	5	6	8	9	11	13	16
-37.5°	1	2	2	3	3	4	5	6	7	8	9
-40°	1	1	2	2	3	3	3	4	4	5	6
-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°	0	0	1	1	1	1	1	1	1	1	1
-55°	0	0	0	0	1	1	1	1	1	1	1
-57.5°	0	0	0	0	0	0	0	0	1	1	1
-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: G2-1802-569-35 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-BK-OSL

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°	0	0	0	0	0	0	0	0	0	0	0
57.5°	1	1	1	1	1	1	1	1	1	1	0
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°	6	7	7	7	7	7	6	6	5	4	4
37.5°	10	11	11	11	11	11	10	9	8	7	6
35°	18	19	20	20	20	19	18	16	13	11	9
32.5°	31	34	35	36	35	34	31	27	23	18	15
30°	60	67	71	72	71	67	60	51	39	31	24
27.5°	103	114	121	124	121	114	103	88	72	57	40
25°	160	175	184	187	184	175	160	141	118	92	69
22.5°	227	247	261	266	261	247	227	201	172	140	107
20°	307	334	350	356	350	334	307	274	234	192	153
17.5°	396	429	449	456	449	429	396	353	304	252	200
15°	485	522	546	554	546	522	485	437	379	315	252
12.5°	572	617	646	656	646	617	572	516	451	379	304
10°	657	709	742	753	742	709	657	590	516	437	353
7.5°	731	787	823	834	823	787	731	657	572	485	396
5°	787	845	877	887	877	845	787	709	617	522	429
2.5°	823	877	902	912	902	877	823	742	646	546	449
0°	834	887	912	932	912	887	834	753	656	554	456
-2.5°	823	877	902	912	902	877	823	742	646	546	449
-5°	787	845	877	887	877	845	787	709	617	522	429
-7.5°	731	787	823	834	823	787	731	657	572	485	396
-10°	657	709	742	753	742	709	657	590	516	437	353
-12.5°	572	617	646	656	646	617	572	516	451	379	304
-15°	485	522	546	554	546	522	485	437	379	315	252
-17.5°	396	429	449	456	449	429	396	353	304	252	200
-20°	307	334	350	356	350	334	307	274	234	192	153



REPORT NUMBER: G2-1802-569-35 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-BK-OSL

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	227	247	261	266	261	247	227	201	172	140	107
-25°	160	175	184	187	184	175	160	141	118	92	69
-27.5°	103	114	121	124	121	114	103	88	72	57	40
-30°	60	67	71	72	71	67	60	51	39	31	24
-32.5°	31	34	35	36	35	34	31	27	23	18	15
-35°	18	19	20	20	20	19	18	16	13	11	9
-37.5°	10	11	11	11	11	11	10	9	8	7	6
-40°	6	7	7	7	7	7	6	6	5	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	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: G2-1802-569-35 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-BK-OSL

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°	0	0	0	0	0	0	0	0	0	0	0
55°	1	1	1	0	0	0	0	0	0	0	0
52.5°	1	1	1	1	1	0	0	0	0	0	0
50°	1	1	1	1	1	1	1	0	0	0	0
47.5°	1	1	1	1	1	1	1	1	0	0	0
45°	2	1	1	1	1	1	1	1	1	1	0
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°	5	4	3	3	2	2	1	1	1	1	1
35°	8	6	5	4	3	2	2	1	1	1	1
32.5°	11	9	7	5	4	3	2	2	1	1	1
30°	18	13	10	7	5	4	3	2	2	1	1
27.5°	29	20	15	10	7	5	4	3	2	1	1
25°	49	32	21	15	10	7	5	3	3	2	1
22.5°	76	52	32	20	13	9	6	4	3	2	1
20°	112	76	49	29	18	11	8	5	3	3	2
17.5°	153	107	69	40	24	15	9	6	4	3	2
15°	192	140	92	57	31	18	11	7	4	3	2
12.5°	234	172	118	72	39	23	13	8	5	3	2
10°	274	201	141	88	51	27	16	9	6	4	3
7.5°	307	227	160	103	60	31	18	10	6	4	3
5°	334	247	175	114	67	34	19	11	7	4	3
2.5°	350	261	184	121	71	35	20	11	7	4	3
0°	356	266	187	124	72	36	20	11	7	4	3
-2.5°	350	261	184	121	71	35	20	11	7	4	3
-5°	334	247	175	114	67	34	19	11	7	4	3
-7.5°	307	227	160	103	60	31	18	10	6	4	3
-10°	274	201	141	88	51	27	16	9	6	4	3
-12.5°	234	172	118	72	39	23	13	8	5	3	2
-15°	192	140	92	57	31	18	11	7	4	3	2
-17.5°	153	107	69	40	24	15	9	6	4	3	2
-20°	112	76	49	29	18	11	8	5	3	3	2



REPORT NUMBER: G2-1802-569-35 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-BK-OSL

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	76	52	32	20	13	9	6	4	3	2	1
-25°	49	32	21	15	10	7	5	3	3	2	1
-27.5°	29	20	15	10	7	5	4	3	2	1	1
-30°	18	13	10	7	5	4	3	2	2	1	1
-32.5°	11	9	7	5	4	3	2	2	1	1	1
-35°	8	6	5	4	3	2	2	1	1	1	1
-37.5°	5	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	0
-47.5°	1	1	1	1	1	1	1	1	0	0	0
-50°	1	1	1	1	1	1	1	0	0	0	0
-52.5°	1	1	1	1	1	0	0	0	0	0	0
-55°	1	1	1	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: G2-1802-569-35 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-BK-OSL

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°	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°	1	0	0	0	0	0	0	0	0	0	0
35°	1	1	0	0	0	0	0	0	0	0	0
32.5°	1	1	0	0	0	0	0	0	0	0	0
30°	1	1	1	0	0	0	0	0	0	0	0
27.5°	1	1	1	0	0	0	0	0	0	0	0
25°	1	1	1	1	0	0	0	0	0	0	0
22.5°	1	1	1	1	0	0	0	0	0	0	0
20°	1	1	1	1	0	0	0	0	0	0	0
17.5°	1	1	1	1	0	0	0	0	0	0	0
15°	1	1	1	1	1	0	0	0	0	0	0
12.5°	2	1	1	1	1	0	0	0	0	0	0
10°	2	1	1	1	1	0	0	0	0	0	0
7.5°	2	1	1	1	1	0	0	0	0	0	0
5°	2	1	1	1	1	0	0	0	0	0	0
2.5°	2	1	1	1	1	0	0	0	0	0	0
0°	2	1	1	1	1	0	0	0	0	0	0
-2.5°	2	1	1	1	1	0	0	0	0	0	0
-5°	2	1	1	1	1	0	0	0	0	0	0
-7.5°	2	1	1	1	1	0	0	0	0	0	0
-10°	2	1	1	1	1	0	0	0	0	0	0
-12.5°	2	1	1	1	1	0	0	0	0	0	0
-15°	1	1	1	1	1	0	0	0	0	0	0
-17.5°	1	1	1	1	0	0	0	0	0	0	0
-20°	1	1	1	1	0	0	0	0	0	0	0



REPORT NUMBER: G2-1802-569-35 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-BK-OSL

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	0	0	0	0	0	0	0
-25°	1	1	1	1	0	0	0	0	0	0	0
-27.5°	1	1	1	0	0	0	0	0	0	0	0
-30°	1	1	1	0	0	0	0	0	0	0	0
-32.5°	1	1	0	0	0	0	0	0	0	0	0
-35°	1	1	0	0	0	0	0	0	0	0	0
-37.5°	1	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: G2-1802-569-35 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4036-12-BK-OSL

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: G2-1802-569-35 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED4036-12-BK-OSL

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)