

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: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED4010-12-CS**

Test Date: 04/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-7 (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: 203-8LED4010-12-CS
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD SILVER
Light Source: (1) SORAA 4000K 95 CRI 10°NSP LED SM16-07-10D-940-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

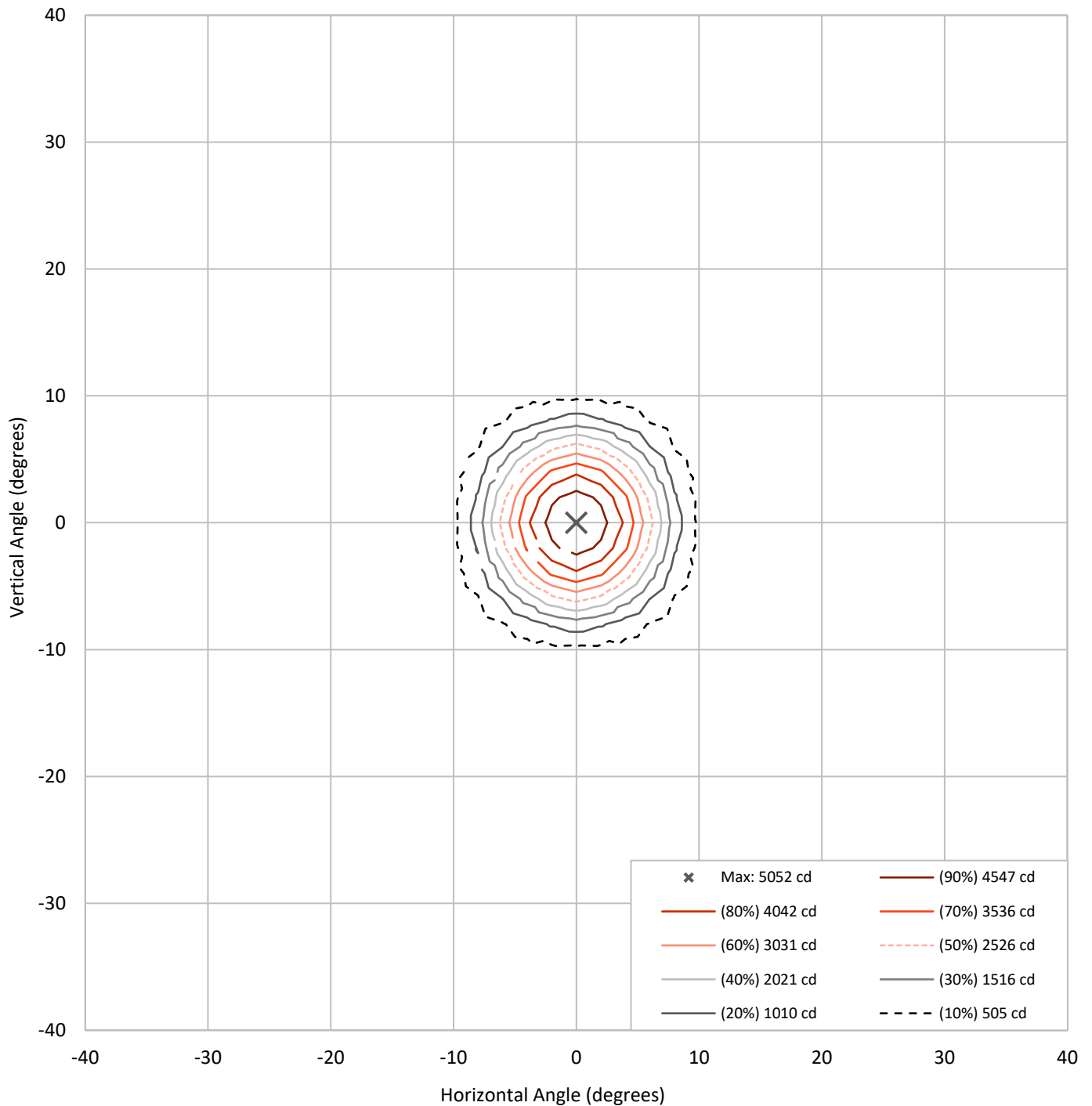
Summary

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	294.8 lumens	Max Intensity:	5052 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	39.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	12.4°H x 12.4°V	Field Angle (10%):	19.5°H x 19.5°V
Beam Lumens:	117.7 lumens	Field Lumens:	206.9 lumens
Beam Efficiency:	39.9%	Field Efficiency:	70.2%
Input Watts (W):	7.5		
Input Voltage (V):	12.0		
Input Current (Ain):	0.656		
Voltage Rise (V):	NR		
Power Factor:	0.9482		
Total Harmonic Distortion (THDi):	27.2%		
Frequency (hertz):	60		
Stabilization Time:	0.5 HR		
Operation Time:	9 HR		
Ambient Temperature (°C):	24.9		
Test Distance:	25 FT		



REPORT NUMBER: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot



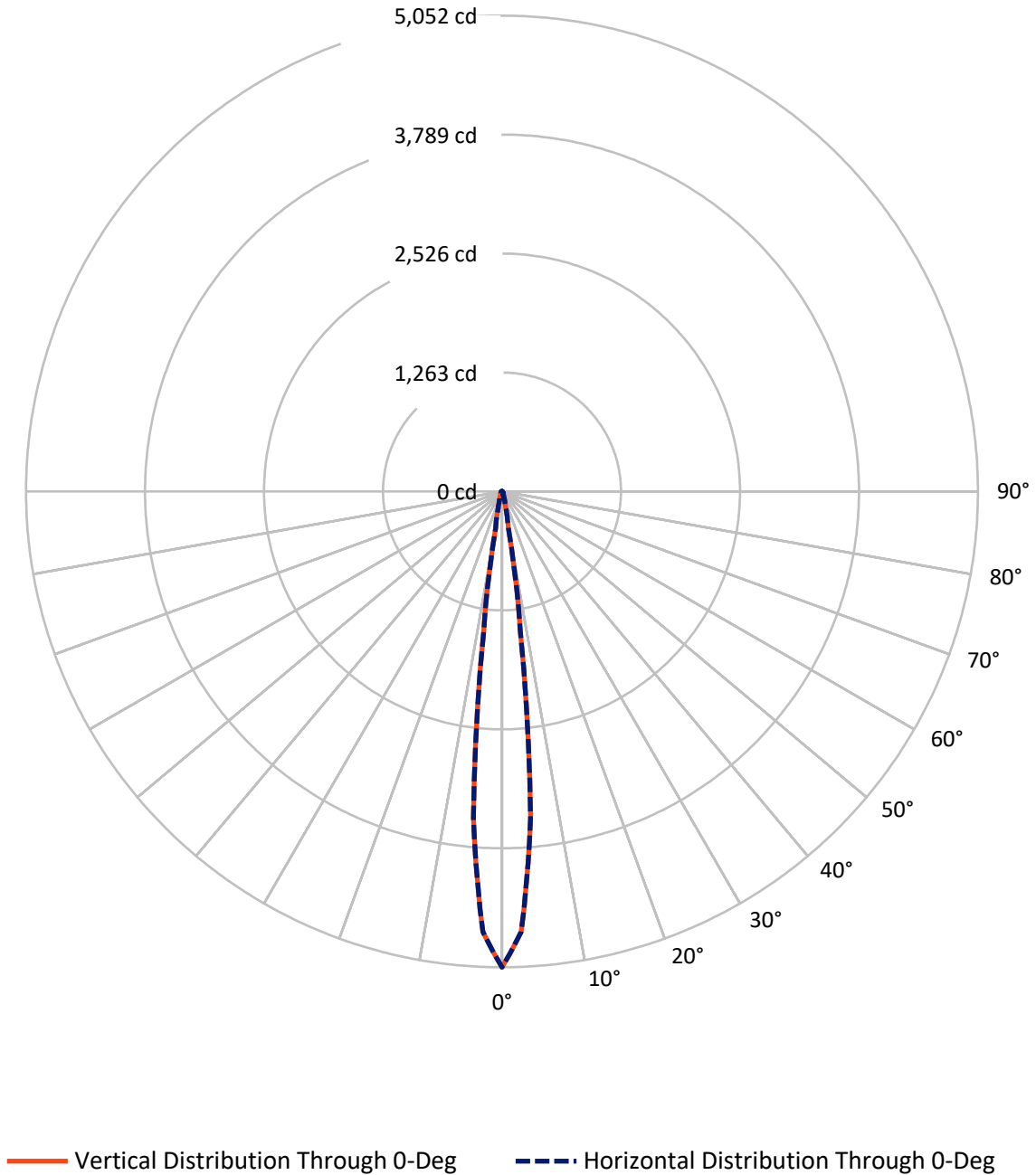
REPORT NUMBER: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS

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
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	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	
50	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.0
40		0.0	0.0	0.2	0.3	0.4	0.6	0.6	0.6	0.6	0.4	0.3	0.2	0.0	0.0	
30	0.0	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.0	0.8	0.6	0.4	0.2	0.1	0.0	0.0
20		0.0	0.1	0.3	0.5	0.8	1.6	3.8	3.8	1.6	0.8	0.5	0.3	0.1	0.0	
10	0.0	0.0	0.1	0.3	0.5	0.9	3.7	53.5	53.5	3.7	0.9	0.5	0.3	0.1	0.0	0.0
0		0.0	0.1	0.3	0.5	0.9	3.7	53.5	53.5	3.7	0.9	0.5	0.3	0.1	0.0	
-10	0.0	0.0	0.1	0.3	0.5	0.8	1.6	3.8	3.8	1.6	0.8	0.5	0.3	0.1	0.0	0.0
-20		0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.0	0.8	0.6	0.4	0.2	0.1	0.0	
-30	0.0	0.0	0.0	0.2	0.3	0.4	0.6	0.6	0.6	0.6	0.4	0.3	0.2	0.0	0.0	0.0
-40		0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.0	0.0	
-50	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	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	
-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	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

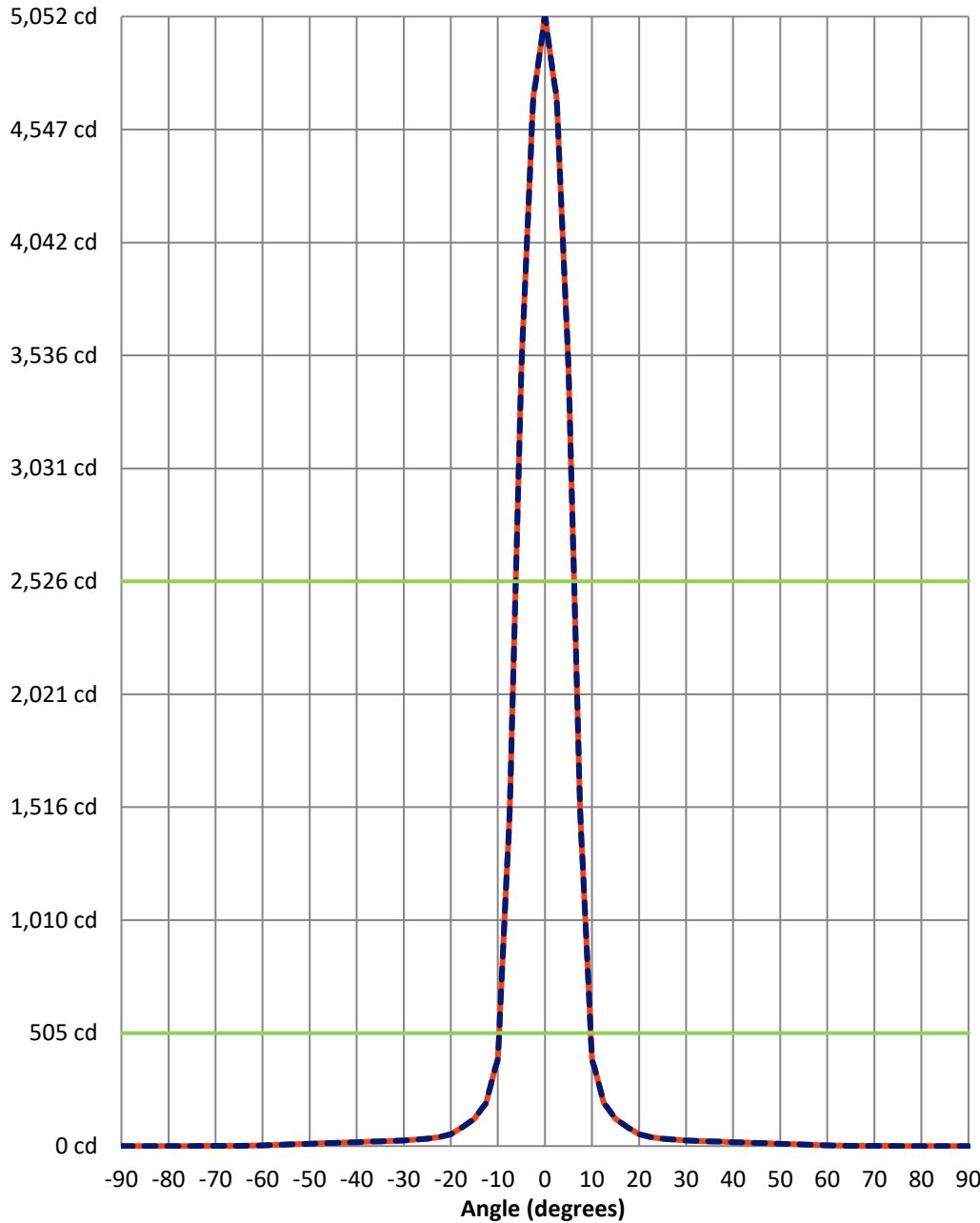
REPORT NUMBER: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED4010-12-CS

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 12.4°
V Angle: 12.4°
Lumens: 117.7
Efficiency: 39.9%

Field:
H Angle: 19.5°
V Angle: 19.5°
Lumens: 206.9
Efficiency: 70.2%

Spill:
Lumens: 87.8
Efficiency: 29.8%

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



REPORT NUMBER: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-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	0	0	1	1	1
-25°	0	0	0	0	0	0	0	0	1	1	1
-27.5°	0	0	0	0	0	0	0	0	1	1	1
-30°	0	0	0	0	0	0	0	0	1	1	1
-32.5°	0	0	0	0	0	0	0	0	1	1	1
-35°	0	0	0	0	0	0	0	0	1	1	1
-37.5°	0	0	0	0	0	0	0	0	0	1	1
-40°	0	0	0	0	0	0	0	0	0	1	1
-42.5°	0	0	0	0	0	0	0	0	0	1	1
-45°	0	0	0	0	0	0	0	0	0	0	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: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-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	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	1	1	1
65°	0	0	0	0	0	0	1	1	1	1	1
62.5°	0	0	0	0	1	1	1	1	1	1	1
60°	0	0	0	1	1	1	1	1	1	1	1
57.5°	0	0	1	1	1	1	1	1	1	1	1
55°	0	1	1	1	1	1	1	1	1	1	2
52.5°	1	1	1	1	1	1	1	1	2	2	3
50°	1	1	1	1	1	1	1	2	2	3	4
47.5°	1	1	1	1	1	1	2	2	3	4	5
45°	1	1	1	1	1	2	2	3	4	5	6
42.5°	1	1	1	1	2	2	3	4	5	7	8
40°	1	1	1	1	2	3	4	5	7	8	9
37.5°	1	1	1	2	3	4	5	6	8	9	10
35°	1	1	1	2	3	4	6	7	9	10	11
32.5°	1	1	2	3	4	5	7	8	9	10	12
30°	1	1	2	3	4	6	8	9	10	12	13
27.5°	1	2	2	3	5	7	8	10	11	13	14
25°	1	2	3	4	6	8	9	10	12	14	15
22.5°	1	2	3	5	6	8	9	11	13	14	16
20°	1	2	3	5	7	9	10	12	14	15	16
17.5°	1	2	4	6	7	9	10	13	14	16	17
15°	2	3	4	6	8	9	11	13	14	16	17
12.5°	2	3	4	6	8	10	12	13	15	16	18
10°	2	3	5	7	8	10	12	14	15	17	19
7.5°	2	3	5	7	9	10	12	14	16	17	19
5°	2	3	5	7	9	10	13	14	16	17	20
2.5°	2	3	5	7	9	10	13	14	16	17	20
0°	2	3	5	7	9	10	13	14	16	17	20
-2.5°	2	3	5	7	9	10	13	14	16	17	20
-5°	2	3	5	7	9	10	13	14	16	17	20
-7.5°	2	3	5	7	9	10	12	14	16	17	19
-10°	2	3	5	7	8	10	12	14	15	17	19
-12.5°	2	3	4	6	8	10	12	13	15	16	18
-15°	2	3	4	6	8	9	11	13	14	16	17
-17.5°	1	2	4	6	7	9	10	13	14	16	17
-20°	1	2	3	5	7	9	10	12	14	15	16



REPORT NUMBER: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-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	3	5	6	8	9	11	13	14	16
-25°	1	2	3	4	6	8	9	10	12	14	15
-27.5°	1	2	2	3	5	7	8	10	11	13	14
-30°	1	1	2	3	4	6	8	9	10	12	13
-32.5°	1	1	2	3	4	5	7	8	9	10	12
-35°	1	1	1	2	3	4	6	7	9	10	11
-37.5°	1	1	1	2	3	4	5	6	8	9	10
-40°	1	1	1	1	2	3	4	5	7	8	9
-42.5°	1	1	1	1	2	2	3	4	5	7	8
-45°	1	1	1	1	1	2	2	3	4	5	6
-47.5°	1	1	1	1	1	1	2	2	3	4	5
-50°	1	1	1	1	1	1	1	2	2	3	4
-52.5°	1	1	1	1	1	1	1	1	2	2	3
-55°	0	1	1	1	1	1	1	1	1	1	2
-57.5°	0	0	1	1	1	1	1	1	1	1	1
-60°	0	0	0	1	1	1	1	1	1	1	1
-62.5°	0	0	0	0	1	1	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	0	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: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-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	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	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	3	3	3
57.5°	1	2	2	2	3	3	3	4	4	4	5
55°	2	3	3	3	4	5	5	6	6	6	7
52.5°	3	4	4	5	6	6	7	7	8	8	8
50°	4	5	6	7	8	8	9	9	9	10	10
47.5°	6	7	8	8	9	9	10	10	11	12	12
45°	7	8	9	10	10	11	12	13	13	13	14
42.5°	9	9	10	11	12	13	14	14	14	15	15
40°	10	10	12	13	14	14	15	16	16	16	17
37.5°	11	12	13	14	15	16	16	17	17	18	19
35°	13	13	14	15	16	17	17	19	20	20	21
32.5°	13	14	16	16	17	18	20	20	21	21	22
30°	14	16	16	17	19	20	21	22	22	23	24
27.5°	15	16	17	19	20	21	22	23	24	25	26
25°	16	17	19	20	21	22	24	25	27	29	30
22.5°	17	18	20	21	22	24	25	28	30	32	34
20°	17	20	21	22	24	25	28	31	34	37	41
17.5°	19	20	22	23	25	28	31	34	39	46	53
15°	20	21	22	24	27	30	34	39	47	60	79
12.5°	20	21	23	25	29	32	37	46	60	84	108
10°	21	22	24	26	30	34	41	53	79	108	148
7.5°	21	22	24	28	31	37	46	66	96	135	196
5°	21	23	25	28	32	39	50	76	110	167	300
2.5°	21	23	25	29	33	40	52	83	119	187	370
0°	21	23	25	29	33	40	53	85	122	194	394
-2.5°	21	23	25	29	33	40	52	83	119	187	370
-5°	21	23	25	28	32	39	50	76	110	167	300
-7.5°	21	22	24	28	31	37	46	66	96	135	196
-10°	21	22	24	26	30	34	41	53	79	108	148
-12.5°	20	21	23	25	29	32	37	46	60	84	108
-15°	20	21	22	24	27	30	34	39	47	60	79
-17.5°	19	20	22	23	25	28	31	34	39	46	53
-20°	17	20	21	22	24	25	28	31	34	37	41



REPORT NUMBER: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	17	18	20	21	22	24	25	28	30	32	34
-25°	16	17	19	20	21	22	24	25	27	29	30
-27.5°	15	16	17	19	20	21	22	23	24	25	26
-30°	14	16	16	17	19	20	21	22	22	23	24
-32.5°	13	14	16	16	17	18	20	20	21	21	22
-35°	13	13	14	15	16	17	17	19	20	20	21
-37.5°	11	12	13	14	15	16	16	17	17	18	19
-40°	10	10	12	13	14	14	15	16	16	16	17
-42.5°	9	9	10	11	12	13	14	14	14	15	15
-45°	7	8	9	10	10	11	12	13	13	13	14
-47.5°	6	7	8	8	9	9	10	10	11	12	12
-50°	4	5	6	7	8	8	9	9	9	10	10
-52.5°	3	4	4	5	6	6	7	7	8	8	8
-55°	2	3	3	3	4	5	5	6	6	6	7
-57.5°	1	2	2	2	3	3	3	4	4	4	5
-60°	1	1	1	2	2	2	2	2	3	3	3
-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°	0	0	0	0	0	0	1	1	1	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: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-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°	0	0	0	0	0	0	0	0	0	0	0
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°	3	3	3	3	3	3	3	3	3	3	2
57.5°	5	5	5	5	5	5	5	5	4	4	4
55°	7	7	7	7	7	7	7	7	6	6	6
52.5°	9	9	9	9	9	9	9	8	8	8	7
50°	10	10	10	10	10	10	10	10	10	9	9
47.5°	12	13	13	13	13	13	12	12	12	11	10
45°	14	14	14	14	14	14	14	14	13	13	13
42.5°	16	16	16	16	16	16	16	15	15	14	14
40°	17	17	17	17	17	17	17	17	16	16	16
37.5°	19	20	20	20	20	20	19	19	18	17	17
35°	21	21	21	21	21	21	21	21	20	20	19
32.5°	22	23	23	23	23	23	22	22	21	21	20
30°	24	25	25	25	25	25	24	24	23	22	22
27.5°	28	28	29	29	29	28	28	26	25	24	23
25°	31	32	33	33	33	32	31	30	29	27	25
22.5°	37	39	40	40	40	39	37	34	32	30	28
20°	46	50	52	53	52	50	46	41	37	34	31
17.5°	66	76	83	85	83	76	66	53	46	39	34
15°	96	110	119	122	119	110	96	79	60	47	39
12.5°	135	167	187	194	187	167	135	108	84	60	46
10°	196	300	370	394	370	300	196	148	108	79	53
7.5°	347	638	1190	1493	1190	638	347	196	135	96	66
5°	638	1819	3036	3480	3036	1819	638	300	167	110	76
2.5°	1190	3036	4297	4680	4297	3036	1190	370	187	119	83
0°	1493	3480	4680	5052	4680	3480	1493	394	194	122	85
-2.5°	1190	3036	4297	4680	4297	3036	1190	370	187	119	83
-5°	638	1819	3036	3480	3036	1819	638	300	167	110	76
-7.5°	347	638	1190	1493	1190	638	347	196	135	96	66
-10°	196	300	370	394	370	300	196	148	108	79	53
-12.5°	135	167	187	194	187	167	135	108	84	60	46
-15°	96	110	119	122	119	110	96	79	60	47	39
-17.5°	66	76	83	85	83	76	66	53	46	39	34
-20°	46	50	52	53	52	50	46	41	37	34	31



REPORT NUMBER: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	37	39	40	40	40	39	37	34	32	30	28
-25°	31	32	33	33	33	32	31	30	29	27	25
-27.5°	28	28	29	29	29	28	28	26	25	24	23
-30°	24	25	25	25	25	25	24	24	23	22	22
-32.5°	22	23	23	23	23	23	22	22	21	21	20
-35°	21	21	21	21	21	21	21	21	20	20	19
-37.5°	19	20	20	20	20	20	19	19	18	17	17
-40°	17	17	17	17	17	17	17	17	16	16	16
-42.5°	16	16	16	16	16	16	16	15	15	14	14
-45°	14	14	14	14	14	14	14	14	13	13	13
-47.5°	12	13	13	13	13	13	12	12	12	11	10
-50°	10	10	10	10	10	10	10	10	10	9	9
-52.5°	9	9	9	9	9	9	9	8	8	8	7
-55°	7	7	7	7	7	7	7	7	6	6	6
-57.5°	5	5	5	5	5	5	5	5	4	4	4
-60°	3	3	3	3	3	3	3	3	3	3	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°	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: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-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°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	0	0	0	0	0	0	0	0	0	0
70°	1	1	1	1	1	1	1	0	0	0	0
67.5°	1	1	1	1	1	1	1	1	1	1	0
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°	3	3	3	2	2	2	1	1	1	1	1
55°	5	5	4	3	3	3	2	2	1	1	1
52.5°	7	6	6	5	4	4	3	3	2	2	1
50°	9	8	8	7	6	5	4	4	3	2	2
47.5°	10	9	9	8	8	7	6	5	4	3	2
45°	12	11	10	10	9	8	7	6	5	4	3
42.5°	14	13	12	11	10	9	9	8	7	5	4
40°	15	14	14	13	12	10	10	9	8	7	5
37.5°	16	16	15	14	13	12	11	10	9	8	6
35°	17	17	16	15	14	13	13	11	10	9	7
32.5°	20	18	17	16	16	14	13	12	10	9	8
30°	21	20	19	17	16	16	14	13	12	10	9
27.5°	22	21	20	19	17	16	15	14	13	11	10
25°	24	22	21	20	19	17	16	15	14	12	10
22.5°	25	24	22	21	20	18	17	16	14	13	11
20°	28	25	24	22	21	20	17	16	15	14	12
17.5°	31	28	25	23	22	20	19	17	16	14	13
15°	34	30	27	24	22	21	20	17	16	14	13
12.5°	37	32	29	25	23	21	20	18	16	15	13
10°	41	34	30	26	24	22	21	19	17	15	14
7.5°	46	37	31	28	24	22	21	19	17	16	14
5°	50	39	32	28	25	23	21	20	17	16	14
2.5°	52	40	33	29	25	23	21	20	17	16	14
0°	53	40	33	29	25	23	21	20	17	16	14
-2.5°	52	40	33	29	25	23	21	20	17	16	14
-5°	50	39	32	28	25	23	21	20	17	16	14
-7.5°	46	37	31	28	24	22	21	19	17	16	14
-10°	41	34	30	26	24	22	21	19	17	15	14
-12.5°	37	32	29	25	23	21	20	18	16	15	13
-15°	34	30	27	24	22	21	20	17	16	14	13
-17.5°	31	28	25	23	22	20	19	17	16	14	13
-20°	28	25	24	22	21	20	17	16	15	14	12



REPORT NUMBER: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	25	24	22	21	20	18	17	16	14	13	11
-25°	24	22	21	20	19	17	16	15	14	12	10
-27.5°	22	21	20	19	17	16	15	14	13	11	10
-30°	21	20	19	17	16	16	14	13	12	10	9
-32.5°	20	18	17	16	16	14	13	12	10	9	8
-35°	17	17	16	15	14	13	13	11	10	9	7
-37.5°	16	16	15	14	13	12	11	10	9	8	6
-40°	15	14	14	13	12	10	10	9	8	7	5
-42.5°	14	13	12	11	10	9	9	8	7	5	4
-45°	12	11	10	10	9	8	7	6	5	4	3
-47.5°	10	9	9	8	8	7	6	5	4	3	2
-50°	9	8	8	7	6	5	4	4	3	2	2
-52.5°	7	6	6	5	4	4	3	3	2	2	1
-55°	5	5	4	3	3	3	2	2	1	1	1
-57.5°	3	3	3	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	0
-70°	1	1	1	1	1	1	1	0	0	0	0
-72.5°	1	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: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-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°	0	0	0	0	0	0	0	0	0	0	0
65°	1	0	0	0	0	0	0	0	0	0	0
62.5°	1	1	1	0	0	0	0	0	0	0	0
60°	1	1	1	1	0	0	0	0	0	0	0
57.5°	1	1	1	1	1	0	0	0	0	0	0
55°	1	1	1	1	1	1	0	0	0	0	0
52.5°	1	1	1	1	1	1	1	0	0	0	0
50°	1	1	1	1	1	1	1	0	0	0	0
47.5°	2	1	1	1	1	1	1	1	0	0	0
45°	2	2	1	1	1	1	1	1	0	0	0
42.5°	3	2	2	1	1	1	1	1	1	0	0
40°	4	3	2	1	1	1	1	1	1	0	0
37.5°	5	4	3	2	1	1	1	1	1	0	0
35°	6	4	3	2	1	1	1	1	1	1	0
32.5°	7	5	4	3	2	1	1	1	1	1	0
30°	8	6	4	3	2	1	1	1	1	1	0
27.5°	8	7	5	3	2	2	1	1	1	1	0
25°	9	8	6	4	3	2	1	1	1	1	0
22.5°	9	8	6	5	3	2	1	1	1	1	0
20°	10	9	7	5	3	2	1	1	1	1	1
17.5°	10	9	7	6	4	2	1	1	1	1	1
15°	11	9	8	6	4	3	2	1	1	1	1
12.5°	12	10	8	6	4	3	2	1	1	1	1
10°	12	10	8	7	5	3	2	1	1	1	1
7.5°	12	10	9	7	5	3	2	1	1	1	1
5°	13	10	9	7	5	3	2	1	1	1	1
2.5°	13	10	9	7	5	3	2	1	1	1	1
0°	13	10	9	7	5	3	2	1	1	1	1
-2.5°	13	10	9	7	5	3	2	1	1	1	1
-5°	13	10	9	7	5	3	2	1	1	1	1
-7.5°	12	10	9	7	5	3	2	1	1	1	1
-10°	12	10	8	7	5	3	2	1	1	1	1
-12.5°	12	10	8	6	4	3	2	1	1	1	1
-15°	11	9	8	6	4	3	2	1	1	1	1
-17.5°	10	9	7	6	4	2	1	1	1	1	1
-20°	10	9	7	5	3	2	1	1	1	1	1



REPORT NUMBER: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	9	8	6	5	3	2	1	1	1	1	0
-25°	9	8	6	4	3	2	1	1	1	1	0
-27.5°	8	7	5	3	2	2	1	1	1	1	0
-30°	8	6	4	3	2	1	1	1	1	1	0
-32.5°	7	5	4	3	2	1	1	1	1	1	0
-35°	6	4	3	2	1	1	1	1	1	1	0
-37.5°	5	4	3	2	1	1	1	1	1	0	0
-40°	4	3	2	1	1	1	1	1	1	0	0
-42.5°	3	2	2	1	1	1	1	1	1	0	0
-45°	2	2	1	1	1	1	1	1	0	0	0
-47.5°	2	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	1	1	0	0	0	0
-55°	1	1	1	1	1	1	0	0	0	0	0
-57.5°	1	1	1	1	1	0	0	0	0	0	0
-60°	1	1	1	1	0	0	0	0	0	0	0
-62.5°	1	1	1	0	0	0	0	0	0	0	0
-65°	1	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: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-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°	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: G2-1802-569-7 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED4010-12-CS

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)