

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: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED3010-12-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-4)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-8LED3010-12-BK
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD BLACK
Light Source: (1) SORAA 3000K 95 CRI 10°NSP LED
SM16-07-10D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

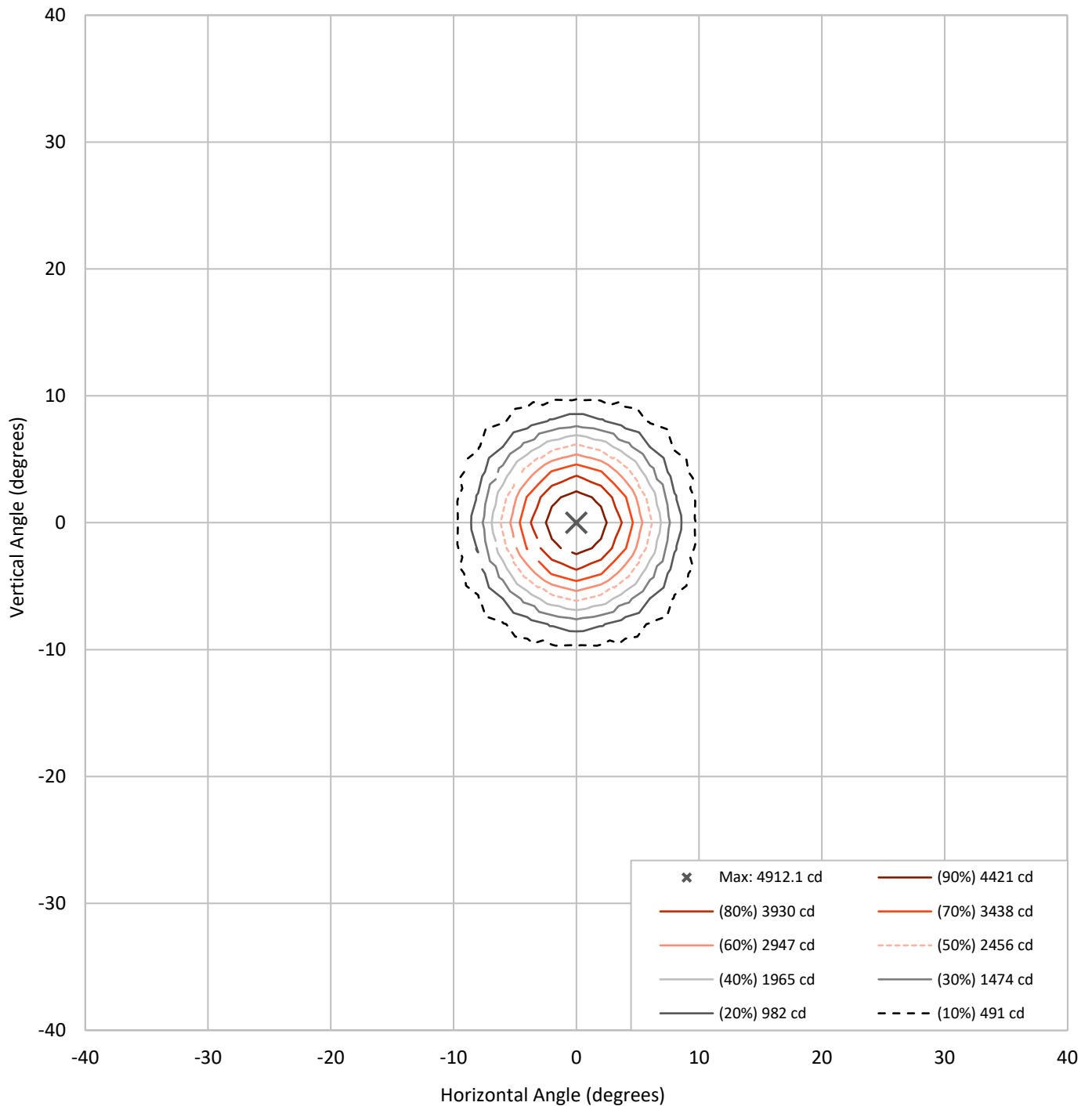
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	262.7 lumens	Max Intensity:	4912.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	32.8 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	12.3°H x 12.3°V	Field Angle (10%):	19.5°H x 19.5°V
Beam Lumens:	113.3 lumens	Field Lumens:	198.7 lumens
Beam Efficiency:	43.1%	Field Efficiency:	75.7%

Input Watts (W): 8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED3010-12-BK

Iso-Candela Plot





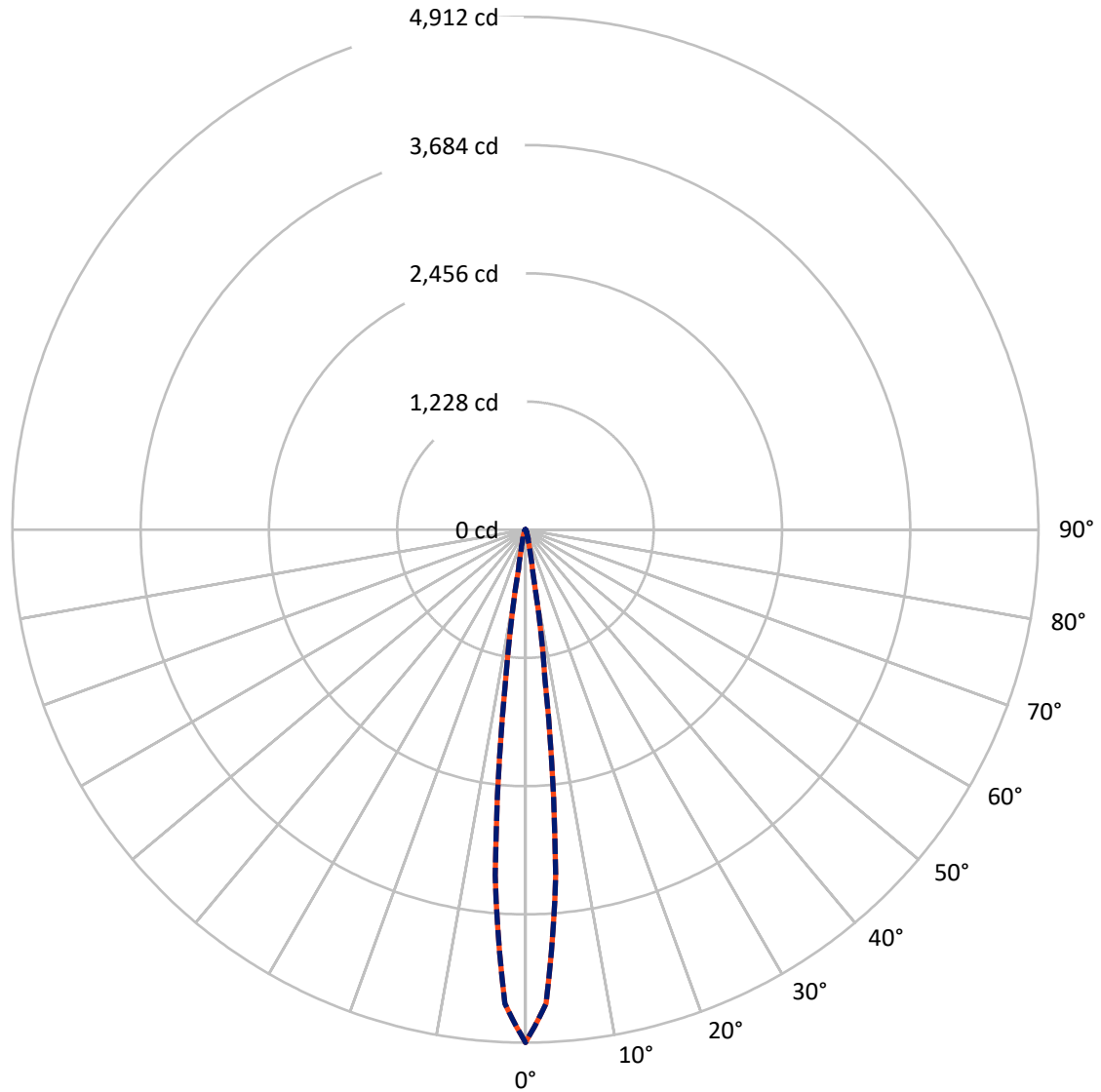
REPORT NUMBER: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK

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	
60		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	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	
40		0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.3	0.2	0.1	0.1	0.0		0.0
30	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.8	0.8	0.5	0.3	0.2	0.1	0.0	0.0	
20		0.0	0.0	0.1	0.3	0.5	1.4	3.5	3.5	1.4	0.5	0.3	0.1	0.0		0.0
10	0.0	0.0	0.0	0.1	0.3	0.7	3.4	51.4	51.4	3.4	0.7	0.3	0.1	0.0	0.0	
0		0.0	0.0	0.1	0.3	0.7	3.4	51.4	51.4	3.4	0.7	0.3	0.1	0.0		0.0
-10	0.0	0.0	0.0	0.1	0.3	0.5	1.4	3.5	3.5	1.4	0.5	0.3	0.1	0.0	0.0	
-20		0.0	0.0	0.1	0.2	0.3	0.5	0.8	0.8	0.5	0.3	0.2	0.1	0.0		0.0
-30	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	
-40		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	0.0	0.0	0.0	0.1	0.1	0.1	0.1	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
-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	
-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	

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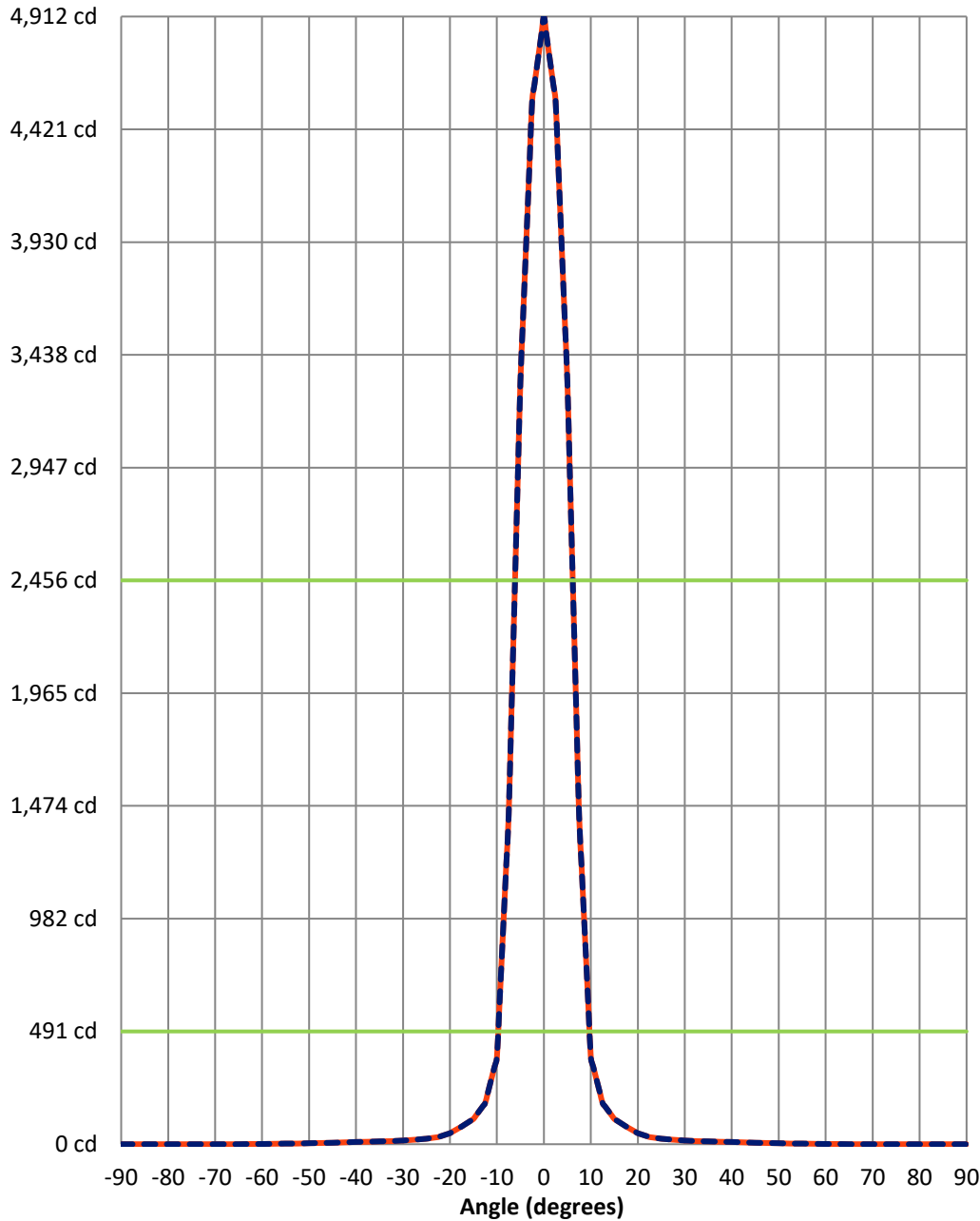
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 12.3°
 V Angle: 12.3°
 Lumens: 113.3
 Efficiency: 43.1%

Field:
 H Angle: 19.5°
 V Angle: 19.5°
 Lumens: 198.7
 Efficiency: 75.7%

Spill:
 Lumens: 63.9
 Efficiency: 24.3%

— 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: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK

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: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK

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



REPORT NUMBER: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK

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	2	2	3	3	5	5	6	8
-25°	0	1	1	1	2	3	3	4	5	6	7
-27.5°	0	0	1	1	2	3	3	4	5	5	6
-30°	0	0	1	1	2	2	3	3	4	5	6
-32.5°	0	0	1	1	1	2	3	3	3	4	5
-35°	0	0	0	1	1	2	2	3	3	4	5
-37.5°	0	0	0	1	1	1	2	2	3	3	4
-40°	0	0	0	0	1	1	1	2	2	3	3
-42.5°	0	0	0	0	1	1	1	1	2	2	3
-45°	0	0	0	0	0	1	1	1	1	2	2
-47.5°	0	0	0	0	0	0	1	1	1	1	2
-50°	0	0	0	0	0	0	0	1	1	1	1
-52.5°	0	0	0	0	0	0	0	0	1	1	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: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK

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	1	1	1
60°	0	0	0	0	1	1	1	1	1	1	1
57.5°	0	1	1	1	1	1	1	1	1	1	2
55°	1	1	1	1	1	2	2	2	2	2	2
52.5°	1	1	2	2	2	2	3	3	3	3	3
50°	2	2	2	3	3	3	3	3	3	4	4
47.5°	2	3	3	3	3	3	4	4	5	5	5
45°	3	3	3	4	4	5	5	5	6	6	6
42.5°	3	3	4	5	5	5	6	6	6	7	7
40°	4	4	5	5	6	6	7	8	8	9	9
37.5°	5	5	6	6	7	8	9	9	10	10	10
35°	5	6	6	7	8	9	10	10	11	11	12
32.5°	6	6	8	9	10	10	11	11	12	13	13
30°	6	8	9	10	10	11	12	13	13	14	14
27.5°	7	9	10	10	11	12	13	14	15	16	17
25°	8	10	10	11	12	13	14	16	18	19	21
22.5°	9	10	11	12	13	14	16	18	21	23	25
20°	10	11	12	13	14	16	19	22	24	28	33
17.5°	10	11	13	14	16	18	22	25	30	38	47
15°	11	12	13	15	18	21	24	30	41	55	72
12.5°	11	13	14	16	19	23	28	38	55	76	97
10°	12	13	14	17	21	25	33	47	72	97	135
7.5°	12	13	15	18	22	28	39	60	87	122	181
5°	12	13	16	19	23	30	44	69	99	153	285
2.5°	12	13	16	19	24	31	47	75	107	172	353
0°	12	13	16	20	24	31	48	77	110	179	378
-2.5°	12	13	16	19	24	31	47	75	107	172	353
-5°	12	13	16	19	23	30	44	69	99	153	285
-7.5°	12	13	15	18	22	28	39	60	87	122	181
-10°	12	13	14	17	21	25	33	47	72	97	135
-12.5°	11	13	14	16	19	23	28	38	55	76	97
-15°	11	12	13	15	18	21	24	30	41	55	72
-17.5°	10	11	13	14	16	18	22	25	30	38	47
-20°	10	11	12	13	14	16	19	22	24	28	33



REPORT NUMBER: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9	10	11	12	13	14	16	18	21	23	25
-25°	8	10	10	11	12	13	14	16	18	19	21
-27.5°	7	9	10	10	11	12	13	14	15	16	17
-30°	6	8	9	10	10	11	12	13	13	14	14
-32.5°	6	6	8	9	10	10	11	11	12	13	13
-35°	5	6	6	7	8	9	10	10	11	11	12
-37.5°	5	5	6	6	7	8	9	9	10	10	10
-40°	4	4	5	5	6	6	7	8	8	9	9
-42.5°	3	3	4	5	5	5	6	6	6	7	7
-45°	3	3	3	4	4	5	5	5	6	6	6
-47.5°	2	3	3	3	3	3	4	4	5	5	5
-50°	2	2	2	3	3	3	3	3	3	4	4
-52.5°	1	1	2	2	2	2	3	3	3	3	3
-55°	1	1	1	1	1	2	2	2	2	2	2
-57.5°	0	1	1	1	1	1	1	1	1	1	2
-60°	0	0	0	0	1	1	1	1	1	1	1
-62.5°	0	0	0	0	0	0	0	0	1	1	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: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK

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°	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°	2	2	2	2	2	2	2	2	1	1	1
55°	3	3	3	3	3	3	3	2	2	2	2
52.5°	3	3	3	3	3	3	3	3	3	3	3
50°	4	4	4	4	4	4	4	4	4	3	3
47.5°	5	5	5	5	5	5	5	5	5	5	4
45°	6	6	6	6	6	6	6	6	6	6	5
42.5°	8	8	8	8	8	8	8	7	7	6	6
40°	9	10	10	10	10	10	9	9	9	8	8
37.5°	10	11	11	11	11	11	10	10	10	10	9
35°	12	12	12	12	12	12	12	12	11	11	10
32.5°	13	13	13	13	13	13	13	13	13	12	11
30°	15	16	16	16	16	16	15	14	14	13	13
27.5°	18	19	19	20	19	19	18	17	16	15	14
25°	22	23	24	24	24	23	22	21	19	18	16
22.5°	28	30	31	31	31	30	28	25	23	21	18
20°	39	44	47	48	47	44	39	33	28	24	22
17.5°	60	69	75	77	75	69	60	47	38	30	25
15°	87	99	107	110	107	99	87	72	55	41	30
12.5°	122	153	172	179	172	153	122	97	76	55	38
10°	181	285	353	378	353	285	181	135	97	72	47
7.5°	331	616	1148	1431	1148	616	331	181	122	87	60
5°	616	1736	2883	3323	2883	1736	616	285	153	99	69
2.5°	1148	2883	4151	4543	4151	2883	1148	353	172	107	75
0°	1431	3323	4543	4912	4543	3323	1431	378	179	110	77
-2.5°	1148	2883	4151	4543	4151	2883	1148	353	172	107	75
-5°	616	1736	2883	3323	2883	1736	616	285	153	99	69
-7.5°	331	616	1148	1431	1148	616	331	181	122	87	60
-10°	181	285	353	378	353	285	181	135	97	72	47
-12.5°	122	153	172	179	172	153	122	97	76	55	38
-15°	87	99	107	110	107	99	87	72	55	41	30
-17.5°	60	69	75	77	75	69	60	47	38	30	25
-20°	39	44	47	48	47	44	39	33	28	24	22



REPORT NUMBER: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	28	30	31	31	31	30	28	25	23	21	18
-25°	22	23	24	24	24	23	22	21	19	18	16
-27.5°	18	19	19	20	19	19	18	17	16	15	14
-30°	15	16	16	16	16	16	15	14	14	13	13
-32.5°	13	13	13	13	13	13	13	13	13	12	11
-35°	12	12	12	12	12	12	12	12	11	11	10
-37.5°	10	11	11	11	11	11	10	10	10	10	9
-40°	9	10	10	10	10	10	9	9	9	8	8
-42.5°	8	8	8	8	8	8	8	7	7	6	6
-45°	6	6	6	6	6	6	6	6	6	6	5
-47.5°	5	5	5	5	5	5	5	5	5	5	4
-50°	4	4	4	4	4	4	4	4	4	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	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°	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: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK

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°	1	1	1	0	0	0	0	0	0	0	0
57.5°	1	1	1	1	1	1	0	0	0	0	0
55°	2	2	1	1	1	1	1	1	0	0	0
52.5°	3	2	2	2	2	1	1	1	1	1	0
50°	3	3	3	3	2	2	2	1	1	1	1
47.5°	4	3	3	3	3	3	2	2	1	1	1
45°	5	5	4	4	3	3	3	2	2	1	1
42.5°	6	5	5	5	4	3	3	3	2	2	1
40°	7	6	6	5	5	4	4	3	3	2	2
37.5°	9	8	7	6	6	5	5	4	3	3	2
35°	10	9	8	7	6	6	5	5	4	3	3
32.5°	11	10	10	9	8	6	6	5	4	3	3
30°	12	11	10	10	9	8	6	6	5	4	3
27.5°	13	12	11	10	10	9	7	6	5	5	4
25°	14	13	12	11	10	10	8	7	6	5	4
22.5°	16	14	13	12	11	10	9	8	6	5	5
20°	19	16	14	13	12	11	10	9	7	6	5
17.5°	22	18	16	14	13	11	10	9	8	6	5
15°	24	21	18	15	13	12	11	10	8	6	6
12.5°	28	23	19	16	14	13	11	10	9	7	6
10°	33	25	21	17	14	13	12	10	9	7	6
7.5°	39	28	22	18	15	13	12	10	9	8	6
5°	44	30	23	19	16	13	12	11	10	8	6
2.5°	47	31	24	19	16	13	12	11	10	8	6
0°	48	31	24	20	16	13	12	11	10	8	6
-2.5°	47	31	24	19	16	13	12	11	10	8	6
-5°	44	30	23	19	16	13	12	11	10	8	6
-7.5°	39	28	22	18	15	13	12	10	9	8	6
-10°	33	25	21	17	14	13	12	10	9	7	6
-12.5°	28	23	19	16	14	13	11	10	9	7	6
-15°	24	21	18	15	13	12	11	10	8	6	6
-17.5°	22	18	16	14	13	11	10	9	8	6	5
-20°	19	16	14	13	12	11	10	9	7	6	5



REPORT NUMBER: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16	14	13	12	11	10	9	8	6	5	5
-25°	14	13	12	11	10	10	8	7	6	5	4
-27.5°	13	12	11	10	10	9	7	6	5	5	4
-30°	12	11	10	10	9	8	6	6	5	4	3
-32.5°	11	10	10	9	8	6	6	5	4	3	3
-35°	10	9	8	7	6	6	5	5	4	3	3
-37.5°	9	8	7	6	6	5	5	4	3	3	2
-40°	7	6	6	5	5	4	4	3	3	2	2
-42.5°	6	5	5	5	4	3	3	3	2	2	1
-45°	5	5	4	4	3	3	3	2	2	1	1
-47.5°	4	3	3	3	3	3	2	2	1	1	1
-50°	3	3	3	3	2	2	2	1	1	1	1
-52.5°	3	2	2	2	2	1	1	1	1	1	0
-55°	2	2	1	1	1	1	1	1	0	0	0
-57.5°	1	1	1	1	1	1	0	0	0	0	0
-60°	1	1	1	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: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK

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



REPORT NUMBER: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3	3	2	2	1	1	0	0	0	0	0
-25°	3	3	2	1	1	1	0	0	0	0	0
-27.5°	3	3	2	1	1	0	0	0	0	0	0
-30°	3	2	2	1	1	0	0	0	0	0	0
-32.5°	3	2	1	1	1	0	0	0	0	0	0
-35°	2	2	1	1	0	0	0	0	0	0	0
-37.5°	2	1	1	1	0	0	0	0	0	0	0
-40°	1	1	1	0	0	0	0	0	0	0	0
-42.5°	1	1	1	0	0	0	0	0	0	0	0
-45°	1	1	0	0	0	0	0	0	0	0	0
-47.5°	1	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: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3010-12-BK

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: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED3010-12-BK

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)