

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: **203-8LED4010-12-BK**

Test Date: 04/06/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1802-569-4 (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: 203-8LED4010-12-BK  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD BLACK  
Light Source: (1) SORAA 4000K 95 CRI 10°NSP LED SM16-07-10D-940-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

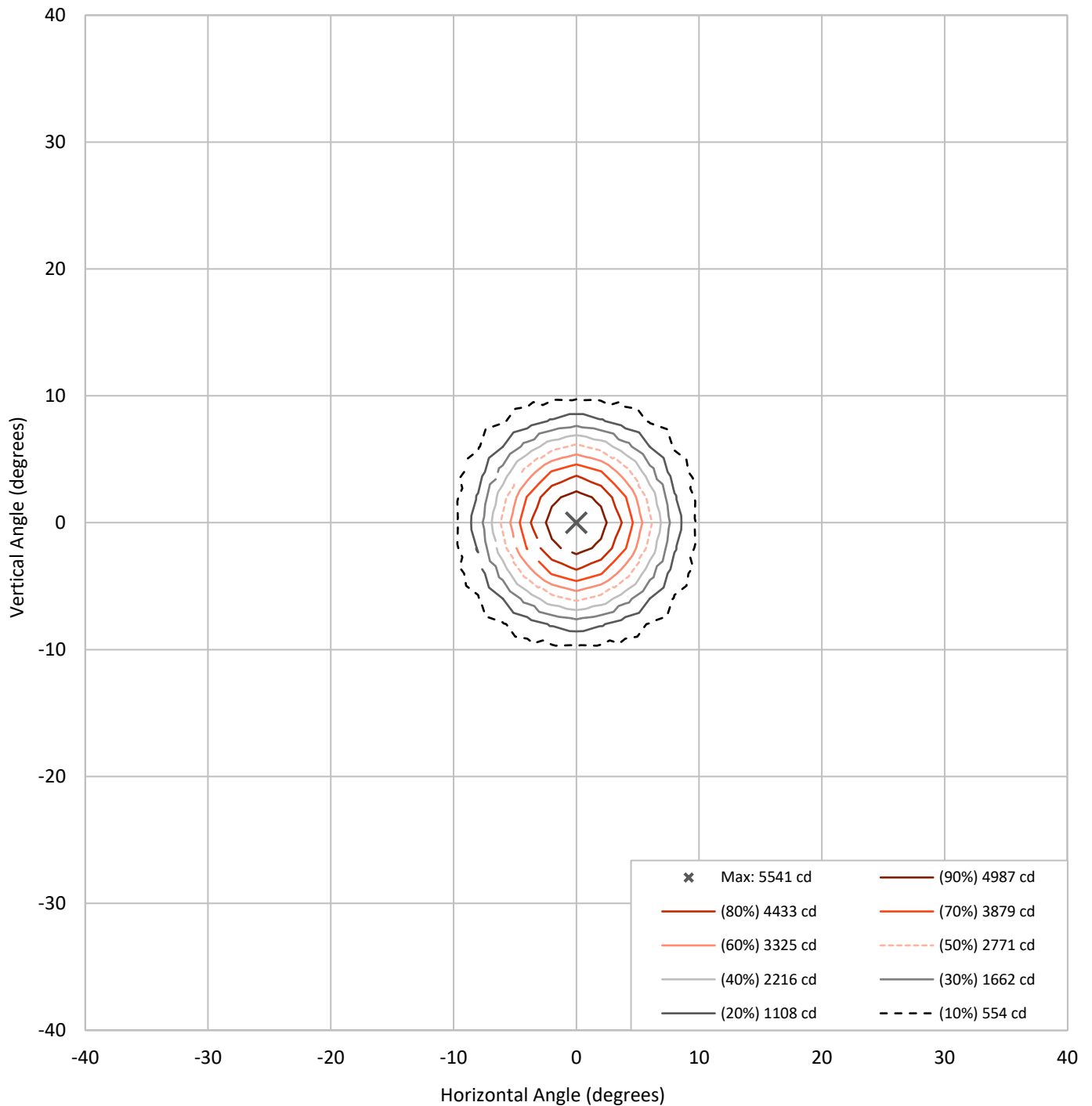
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	296.3 lumens	Max Intensity:	5541 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	37.0 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:	127.9 lumens	Field Lumens:	224.2 lumens
Beam Efficiency:	43.2%	Field Efficiency:	75.7%
Input Watts (W):	8		
Input Voltage (V):	12.0		
Input Current (Ain):	0.709		
Voltage Rise (V):	NR		
Power Factor:	0.9469		
Total Harmonic Distortion (THDi):	27.5		
Frequency (hertz):	60		
Stabilization Time:	0.5 HR		
Operation Time:	9 HR		
Ambient Temperature (°C):	24.9		
Test Distance:	25 FT		



REPORT NUMBER: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Iso-Candela Plot



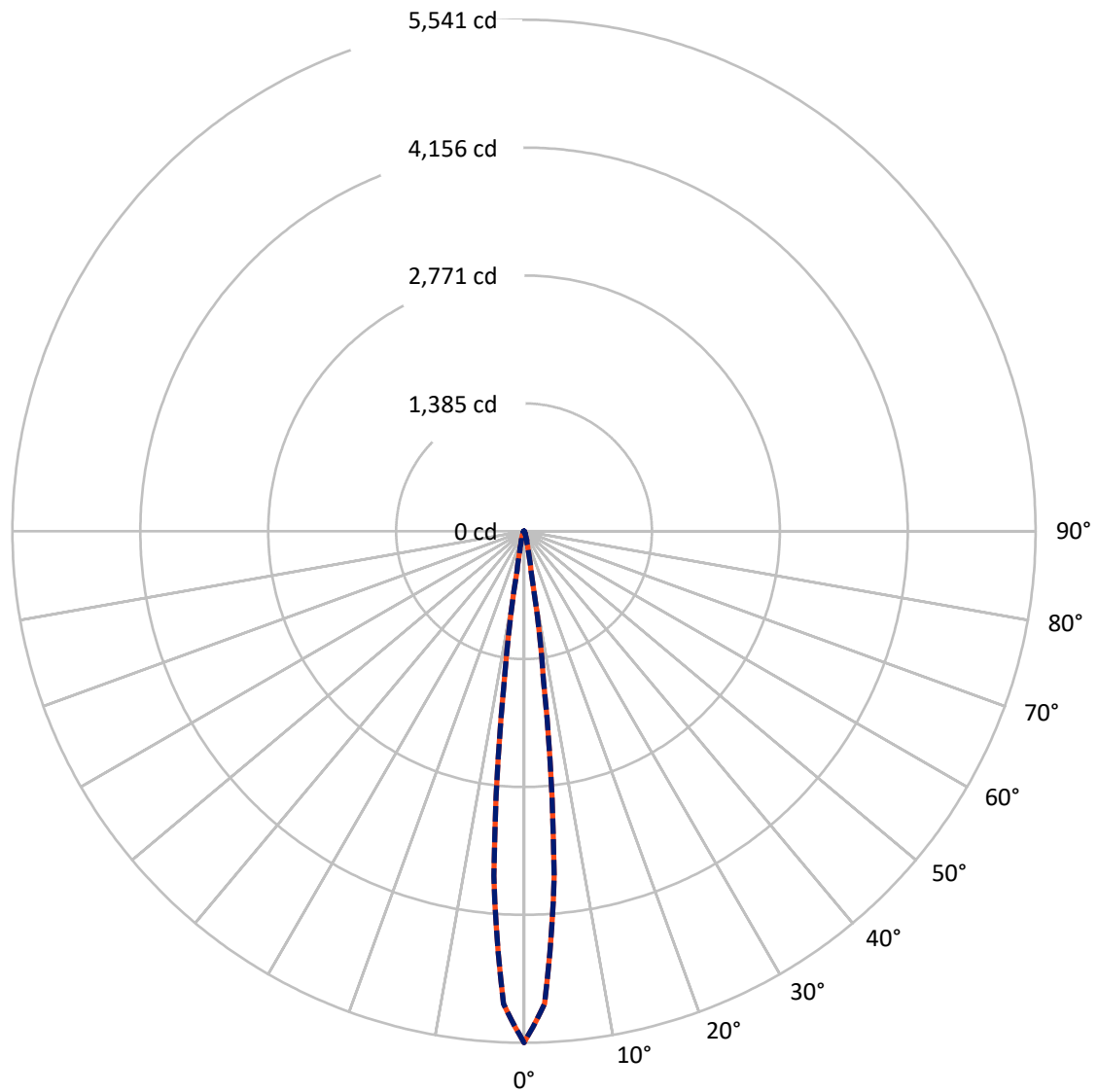
REPORT NUMBER: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table

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	0.1	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	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0
40		0.0	0.0	0.1	0.1	0.3	0.4	0.4	0.4	0.4	0.3	0.1	0.1	0.0	0.0	
30	0.0	0.0	0.0	0.1	0.2	0.4	0.6	0.9	0.9	0.6	0.4	0.2	0.1	0.0	0.0	0.0
20		0.0	0.0	0.1	0.3	0.6	1.5	4.0	4.0	1.5	0.6	0.3	0.1	0.0	0.0	
10	0.0	0.0	0.0	0.2	0.3	0.8	3.9	58.0	58.0	3.9	0.8	0.3	0.2	0.0	0.0	0.0
0		0.0	0.0	0.2	0.3	0.8	3.9	58.0	58.0	3.9	0.8	0.3	0.2	0.0	0.0	
-10	0.0	0.0	0.0	0.1	0.3	0.6	1.5	4.0	4.0	1.5	0.6	0.3	0.1	0.0	0.0	0.0
-20		0.0	0.0	0.1	0.2	0.4	0.6	0.9	0.9	0.6	0.4	0.2	0.1	0.0	0.0	
-30	0.0	0.0	0.0	0.1	0.1	0.3	0.4	0.4	0.4	0.4	0.3	0.1	0.1	0.0	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	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

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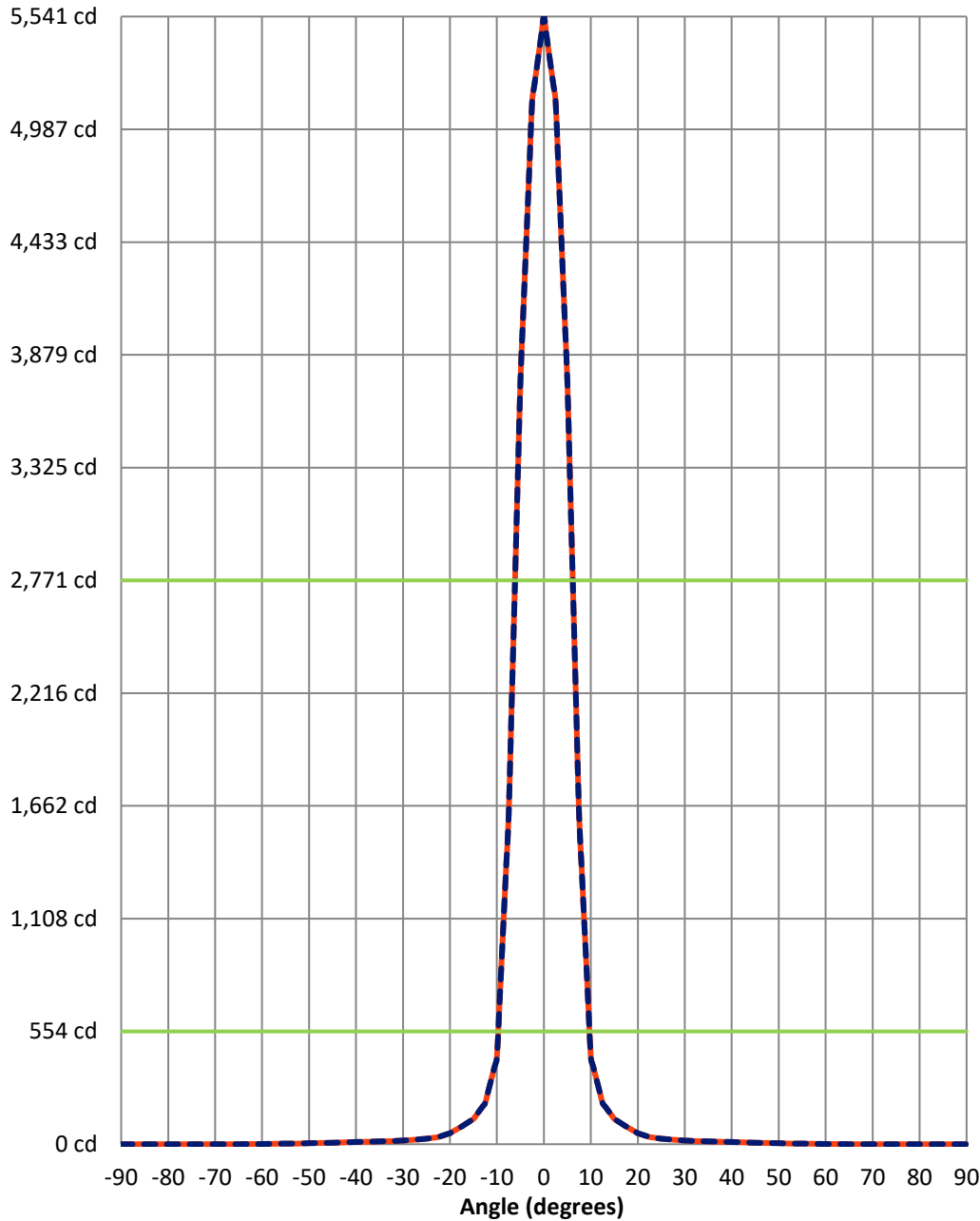
### Luminous Intensity Polar Plot



— 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: 127.9  
Efficiency: 43.2%

**Field:**  
H Angle: 19.5°  
V Angle: 19.5°  
Lumens: 224.2  
Efficiency: 75.7%

**Spill:**  
Lumens: 72.1  
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: 203-8LED4010-12-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: 203-8LED4010-12-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	2	2	3
42.5°	0	0	0	0	1	1	1	2	2	3	3
40°	0	0	0	0	1	1	1	2	3	3	3
37.5°	0	0	0	1	1	1	2	3	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	4	5	6
30°	0	0	1	1	2	3	3	3	5	6	6
27.5°	0	1	1	1	2	3	3	4	5	6	7
25°	0	1	1	2	2	3	3	5	6	7	8
22.5°	0	1	1	2	3	3	4	5	6	7	9
20°	0	1	1	2	3	3	5	6	7	8	10
17.5°	0	1	1	2	3	3	5	6	7	9	10
15°	1	1	2	2	3	4	5	6	7	9	11
12.5°	1	1	2	3	3	4	6	6	8	10	11
10°	1	1	2	3	3	4	6	7	8	10	12
7.5°	1	1	2	3	3	5	6	7	9	11	12
5°	1	1	2	3	3	5	6	7	9	11	12
2.5°	1	1	2	3	3	5	6	7	9	11	12
0°	1	1	2	3	3	5	6	7	9	11	12
-2.5°	1	1	2	3	3	5	6	7	9	11	12
-5°	1	1	2	3	3	5	6	7	9	11	12
-7.5°	1	1	2	3	3	5	6	7	9	11	12
-10°	1	1	2	3	3	4	6	7	8	10	12
-12.5°	1	1	2	3	3	4	6	6	8	10	11
-15°	1	1	2	2	3	4	5	6	7	9	11
-17.5°	0	1	1	2	3	3	5	6	7	9	10
-20°	0	1	1	2	3	3	5	6	7	8	10



REPORT NUMBER: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4010-12-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	3	3	4	5	6	7	9
-25°	0	1	1	2	2	3	3	5	6	7	8
-27.5°	0	1	1	1	2	3	3	4	5	6	7
-30°	0	0	1	1	2	3	3	3	5	6	6
-32.5°	0	0	1	1	1	2	3	3	4	5	6
-35°	0	0	0	1	1	2	2	3	3	4	5
-37.5°	0	0	0	1	1	1	2	3	3	3	4
-40°	0	0	0	0	1	1	1	2	3	3	3
-42.5°	0	0	0	0	1	1	1	2	2	3	3
-45°	0	0	0	0	0	1	1	1	2	2	3
-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: 203-8LED4010-12-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	1	1	1	1	1	1	1	1
57.5°	0	1	1	1	1	1	1	1	2	2	2
55°	1	1	1	1	2	2	2	2	2	3	3
52.5°	1	1	2	2	2	3	3	3	3	3	3
50°	2	2	3	3	3	3	3	3	4	4	4
47.5°	2	3	3	3	3	4	5	5	5	6	6
45°	3	3	3	4	5	5	6	6	6	6	7
42.5°	3	4	5	5	6	6	7	7	7	8	8
40°	4	5	6	6	7	7	8	9	9	10	10
37.5°	5	6	6	7	8	9	10	10	11	11	12
35°	6	6	7	8	9	10	11	12	12	12	13
32.5°	6	7	9	10	11	11	12	13	14	14	14
30°	7	9	10	11	12	13	14	14	15	15	16
27.5°	8	10	11	12	13	14	15	15	17	18	19
25°	9	11	12	13	14	15	16	18	20	22	23
22.5°	10	11	13	14	15	16	18	21	23	26	29
20°	11	12	14	15	16	18	21	24	28	32	37
17.5°	12	13	14	15	18	21	24	28	34	43	53
15°	12	14	15	17	20	23	28	34	46	61	81
12.5°	12	14	15	18	22	26	32	43	61	86	110
10°	13	14	16	19	23	29	37	53	81	110	152
7.5°	13	15	17	21	25	31	44	67	98	138	204
5°	14	15	18	21	26	33	50	78	112	172	321
2.5°	14	15	18	22	27	35	53	85	121	194	399
0°	14	15	18	22	27	35	54	87	124	202	426
-2.5°	14	15	18	22	27	35	53	85	121	194	399
-5°	14	15	18	21	26	33	50	78	112	172	321
-7.5°	13	15	17	21	25	31	44	67	98	138	204
-10°	13	14	16	19	23	29	37	53	81	110	152
-12.5°	12	14	15	18	22	26	32	43	61	86	110
-15°	12	14	15	17	20	23	28	34	46	61	81
-17.5°	12	13	14	15	18	21	24	28	34	43	53
-20°	11	12	14	15	16	18	21	24	28	32	37



REPORT NUMBER: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4010-12-BK

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10	11	13	14	15	16	18	21	23	26	29
-25°	9	11	12	13	14	15	16	18	20	22	23
-27.5°	8	10	11	12	13	14	15	15	17	18	19
-30°	7	9	10	11	12	13	14	14	15	15	16
-32.5°	6	7	9	10	11	11	12	13	14	14	14
-35°	6	6	7	8	9	10	11	12	12	12	13
-37.5°	5	6	6	7	8	9	10	10	11	11	12
-40°	4	5	6	6	7	7	8	9	9	10	10
-42.5°	3	4	5	5	6	6	7	7	7	8	8
-45°	3	3	3	4	5	5	6	6	6	6	7
-47.5°	2	3	3	3	3	4	5	5	5	6	6
-50°	2	2	3	3	3	3	3	3	4	4	4
-52.5°	1	1	2	2	2	3	3	3	3	3	3
-55°	1	1	1	1	2	2	2	2	2	3	3
-57.5°	0	1	1	1	1	1	1	1	2	2	2
-60°	0	0	0	1	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: 203-8LED4010-12-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	2	2	1
55°	3	3	3	3	3	3	3	3	3	2	2
52.5°	3	3	3	3	3	3	3	3	3	3	3
50°	5	5	5	5	5	5	5	4	4	4	3
47.5°	6	6	6	6	6	6	6	6	6	5	5
45°	7	7	7	7	7	7	7	7	6	6	6
42.5°	9	9	9	9	9	9	9	8	8	7	7
40°	11	11	11	11	11	11	11	10	10	9	9
37.5°	12	12	12	12	12	12	12	12	11	11	10
35°	13	14	14	14	14	14	13	13	12	12	12
32.5°	15	15	15	15	15	15	15	14	14	14	13
30°	17	18	18	18	18	18	17	16	15	15	14
27.5°	21	21	22	22	22	21	21	19	18	17	15
25°	25	26	27	27	27	26	25	23	22	20	18
22.5°	31	33	35	35	35	33	31	29	26	23	21
20°	44	50	53	54	53	50	44	37	32	28	24
17.5°	67	78	85	87	85	78	67	53	43	34	28
15°	98	112	121	124	121	112	98	81	61	46	34
12.5°	138	172	194	202	194	172	138	110	86	61	43
10°	204	321	399	426	399	321	204	152	110	81	53
7.5°	373	695	1295	1615	1295	695	373	204	138	98	67
5°	695	1958	3252	3748	3252	1958	695	321	172	112	78
2.5°	1295	3252	4683	5125	4683	3252	1295	399	194	121	85
0°	1615	3748	5125	5541	5125	3748	1615	426	202	124	87
-2.5°	1295	3252	4683	5125	4683	3252	1295	399	194	121	85
-5°	695	1958	3252	3748	3252	1958	695	321	172	112	78
-7.5°	373	695	1295	1615	1295	695	373	204	138	98	67
-10°	204	321	399	426	399	321	204	152	110	81	53
-12.5°	138	172	194	202	194	172	138	110	86	61	43
-15°	98	112	121	124	121	112	98	81	61	46	34
-17.5°	67	78	85	87	85	78	67	53	43	34	28
-20°	44	50	53	54	53	50	44	37	32	28	24



REPORT NUMBER: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4010-12-BK

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	31	33	35	35	35	33	31	29	26	23	21
-25°	25	26	27	27	27	26	25	23	22	20	18
-27.5°	21	21	22	22	22	21	21	19	18	17	15
-30°	17	18	18	18	18	18	17	16	15	15	14
-32.5°	15	15	15	15	15	15	15	14	14	14	13
-35°	13	14	14	14	14	14	13	13	12	12	12
-37.5°	12	12	12	12	12	12	12	12	11	11	10
-40°	11	11	11	11	11	11	11	10	10	9	9
-42.5°	9	9	9	9	9	9	9	8	8	7	7
-45°	7	7	7	7	7	7	7	7	6	6	6
-47.5°	6	6	6	6	6	6	6	6	6	5	5
-50°	5	5	5	5	5	5	5	4	4	4	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	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: 203-8LED4010-12-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	1	0	0	0	0	0	0	0
57.5°	1	1	1	1	1	1	0	0	0	0	0
55°	2	2	2	1	1	1	1	1	0	0	0
52.5°	3	3	2	2	2	1	1	1	1	1	0
50°	3	3	3	3	3	2	2	1	1	1	1
47.5°	5	4	3	3	3	3	2	2	1	1	1
45°	6	5	5	4	3	3	3	3	2	2	1
42.5°	7	6	6	5	5	4	3	3	3	2	2
40°	8	7	7	6	6	5	4	3	3	3	2
37.5°	10	9	8	7	6	6	5	4	3	3	3
35°	11	10	9	8	7	6	6	5	4	3	3
32.5°	12	11	11	10	9	7	6	6	5	4	3
30°	14	13	12	11	10	9	7	6	6	5	3
27.5°	15	14	13	12	11	10	8	7	6	5	4
25°	16	15	14	13	12	11	9	8	7	6	5
22.5°	18	16	15	14	13	11	10	9	7	6	5
20°	21	18	16	15	14	12	11	10	8	7	6
17.5°	24	21	18	15	14	13	12	10	9	7	6
15°	28	23	20	17	15	14	12	11	9	7	6
12.5°	32	26	22	18	15	14	12	11	10	8	6
10°	37	29	23	19	16	14	13	12	10	8	7
7.5°	44	31	25	21	17	15	13	12	11	9	7
5°	50	33	26	21	18	15	14	12	11	9	7
2.5°	53	35	27	22	18	15	14	12	11	9	7
0°	54	35	27	22	18	15	14	12	11	9	7
-2.5°	53	35	27	22	18	15	14	12	11	9	7
-5°	50	33	26	21	18	15	14	12	11	9	7
-7.5°	44	31	25	21	17	15	13	12	11	9	7
-10°	37	29	23	19	16	14	13	12	10	8	7
-12.5°	32	26	22	18	15	14	12	11	10	8	6
-15°	28	23	20	17	15	14	12	11	9	7	6
-17.5°	24	21	18	15	14	13	12	10	9	7	6
-20°	21	18	16	15	14	12	11	10	8	7	6



REPORT NUMBER: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4010-12-BK

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	18	16	15	14	13	11	10	9	7	6	5
-25°	16	15	14	13	12	11	9	8	7	6	5
-27.5°	15	14	13	12	11	10	8	7	6	5	4
-30°	14	13	12	11	10	9	7	6	6	5	3
-32.5°	12	11	11	10	9	7	6	6	5	4	3
-35°	11	10	9	8	7	6	6	5	4	3	3
-37.5°	10	9	8	7	6	6	5	4	3	3	3
-40°	8	7	7	6	6	5	4	3	3	3	2
-42.5°	7	6	6	5	5	4	3	3	3	2	2
-45°	6	5	5	4	3	3	3	3	2	2	1
-47.5°	5	4	3	3	3	3	2	2	1	1	1
-50°	3	3	3	3	3	2	2	1	1	1	1
-52.5°	3	3	2	2	2	1	1	1	1	1	0
-55°	2	2	2	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	1	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: 203-8LED4010-12-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	3	2	1	1	0	0	0	0	0	0
27.5°	3	3	2	1	1	1	0	0	0	0	0
25°	3	3	2	2	1	1	0	0	0	0	0
22.5°	4	3	3	2	1	1	0	0	0	0	0
20°	5	3	3	2	1	1	0	0	0	0	0
17.5°	5	3	3	2	1	1	0	0	0	0	0
15°	5	4	3	2	2	1	1	0	0	0	0
12.5°	6	4	3	3	2	1	1	0	0	0	0
10°	6	4	3	3	2	1	1	0	0	0	0
7.5°	6	5	3	3	2	1	1	0	0	0	0
5°	6	5	3	3	2	1	1	0	0	0	0
2.5°	6	5	3	3	2	1	1	0	0	0	0
0°	6	5	3	3	2	1	1	0	0	0	0
-2.5°	6	5	3	3	2	1	1	0	0	0	0
-5°	6	5	3	3	2	1	1	0	0	0	0
-7.5°	6	5	3	3	2	1	1	0	0	0	0
-10°	6	4	3	3	2	1	1	0	0	0	0
-12.5°	6	4	3	3	2	1	1	0	0	0	0
-15°	5	4	3	2	2	1	1	0	0	0	0
-17.5°	5	3	3	2	1	1	0	0	0	0	0
-20°	5	3	3	2	1	1	0	0	0	0	0



REPORT NUMBER: G2-1802-569-4 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4010-12-BK

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4	3	3	2	1	1	0	0	0	0	0
-25°	3	3	2	2	1	1	0	0	0	0	0
-27.5°	3	3	2	1	1	1	0	0	0	0	0
-30°	3	3	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: 203-8LED4010-12-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: 203-8LED4010-12-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)