

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: G2-1802-569-44 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Test Date: 04/06/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1802-569-44 (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-DIFF  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD SILVER, DIFFUSED LENS  
Light Source: (1) SORAA 4000K 90 CRI LED  
SM16-07-36D-940-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

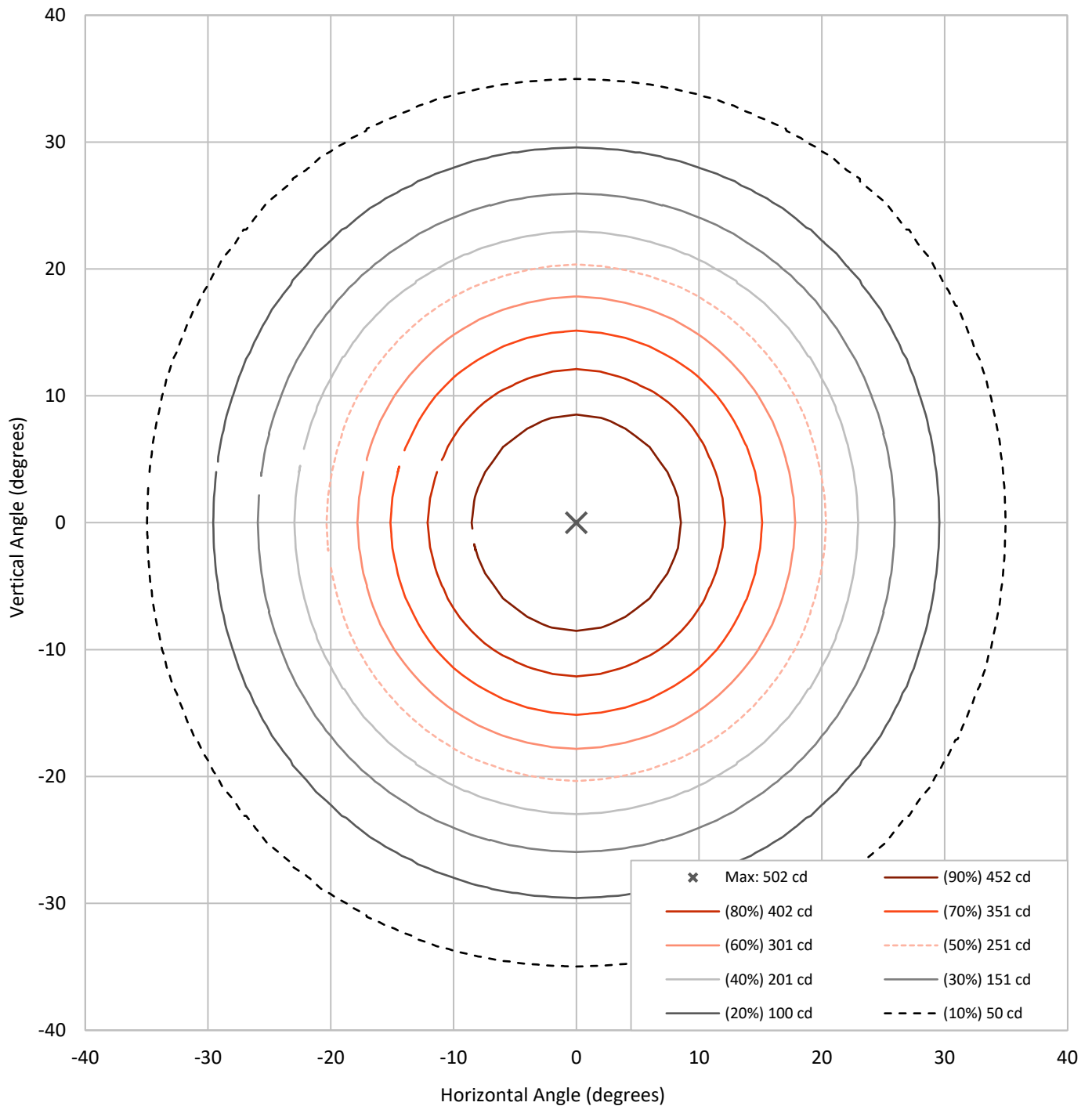
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	268.4 lumens	Max Intensity:	502 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	34.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.7°H x 40.7°V	Field Angle (10%):	69.7°H x 69.7°V
Beam Lumens:	143.9 lumens	Field Lumens:	237.9 lumens
Beam Efficiency:	53.6%	Field Efficiency:	88.6%
Input Watts (W):	7.7		
Input Voltage (V):	12.0		
Input Current (Ain):	0.674		
Voltage Rise (V):	NR		
Power Factor:	0.9902		
Total Harmonic Distortion (THDi):	27.5%		
Frequency (hertz):	60		
Stabilization Time:	0.5 HR		
Operation Time:	3 HR		
Ambient Temperature (°C):	25.2		
Test Distance:	25 FT		



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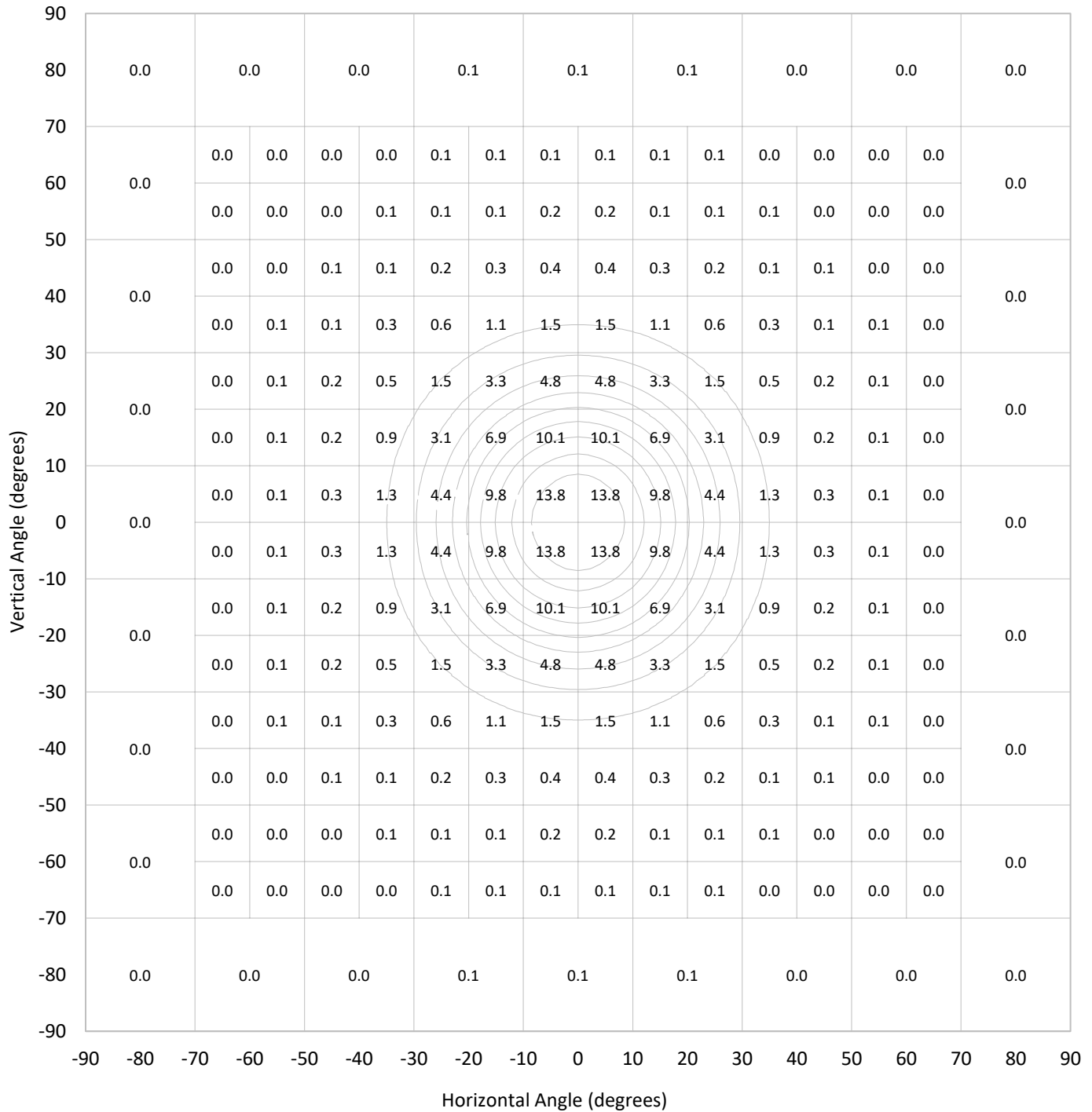
### Iso-Candela Plot





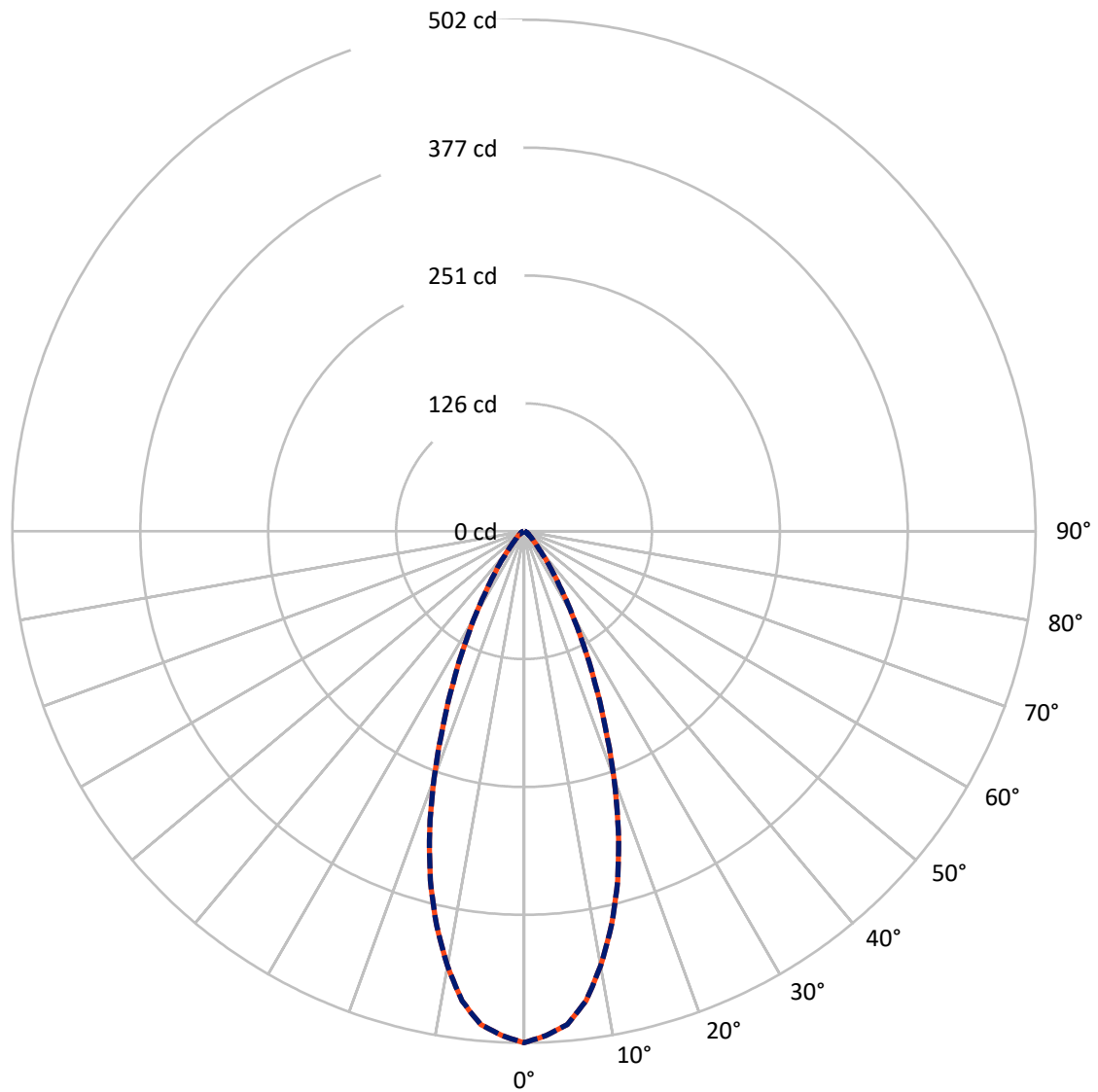
REPORT NUMBER: G2-1802-569-44 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table



REPORT NUMBER: G2-1802-569-44 (CONVERTED FROM TYPE C PHOTOMETRY)  
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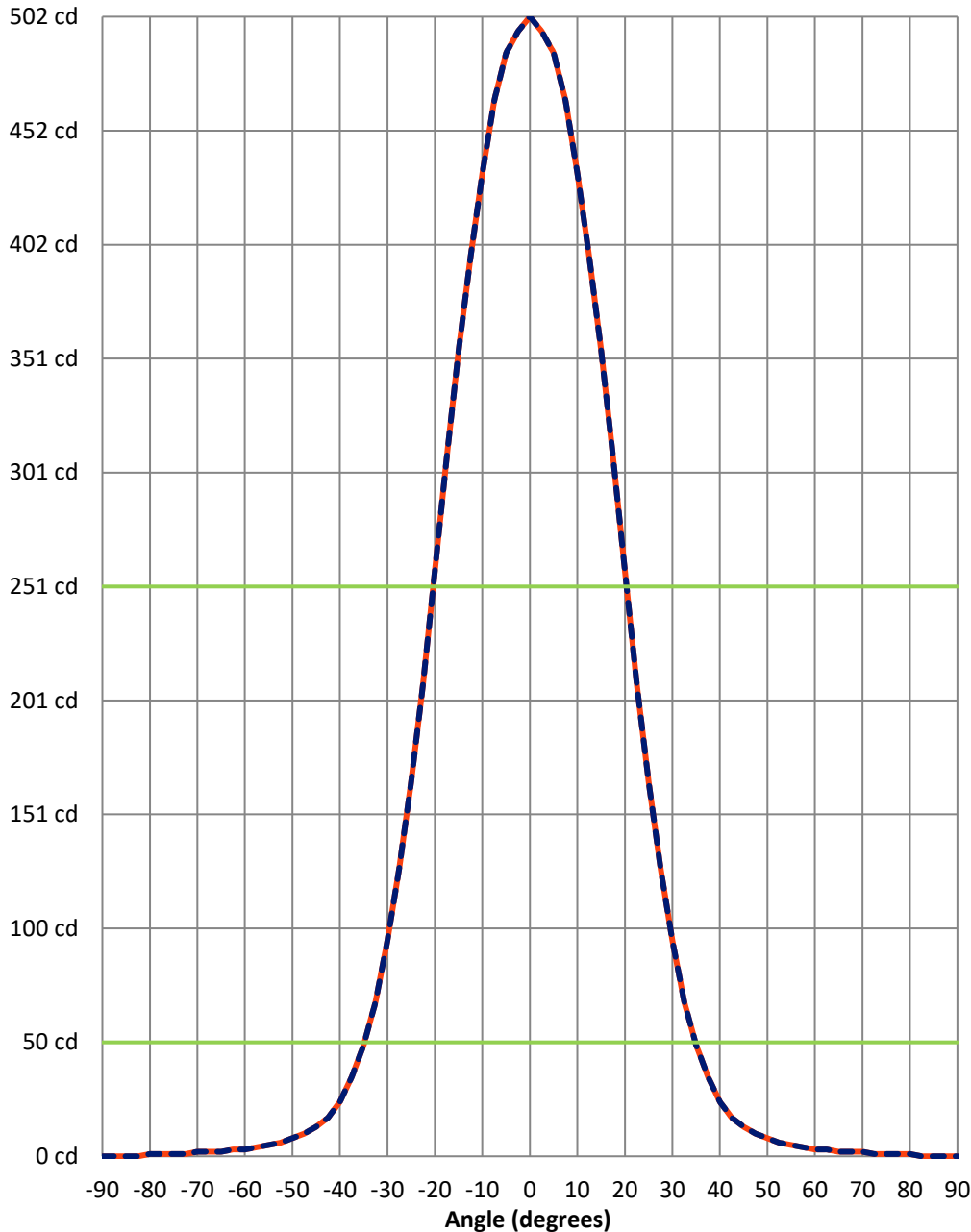
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 40.7°  
 V Angle: 40.7°  
 Lumens: 143.9  
 Efficiency: 53.6%

**Field:**  
 H Angle: 69.7°  
 V Angle: 69.7°  
 Lumens: 237.9  
 Efficiency: 88.6%

**Spill:**  
 Lumens: 30.5  
 Efficiency: 11.4%

— 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	1
65°	0	0	0	0	0	0	0	0	0	1	1
62.5°	0	0	0	0	0	0	0	0	1	1	1
60°	0	0	0	0	0	0	0	0	1	1	1
57.5°	0	0	0	0	0	0	0	1	1	1	1
55°	0	0	0	0	0	0	0	1	1	1	1
52.5°	0	0	0	0	0	0	1	1	1	1	1
50°	0	0	0	0	0	0	1	1	1	1	1
47.5°	0	0	0	0	0	0	1	1	1	1	1
45°	0	0	0	0	0	1	1	1	1	1	1
42.5°	0	0	0	0	0	1	1	1	1	1	1
40°	0	0	0	0	0	1	1	1	1	1	2
37.5°	0	0	0	0	0	1	1	1	1	1	2
35°	0	0	0	0	0	1	1	1	1	1	2
32.5°	0	0	0	0	0	1	1	1	1	2	2
30°	0	0	0	0	0	1	1	1	1	2	2
27.5°	0	0	0	0	1	1	1	1	1	2	2
25°	0	0	0	0	1	1	1	1	1	2	2
22.5°	0	0	0	0	1	1	1	1	1	2	2
20°	0	0	0	0	1	1	1	1	1	2	2
17.5°	0	0	0	0	1	1	1	1	2	2	2
15°	0	0	0	0	1	1	1	1	2	2	2
12.5°	0	0	0	0	1	1	1	1	2	2	2
10°	0	0	0	0	1	1	1	1	2	2	2
7.5°	0	0	0	0	1	1	1	1	2	2	2
5°	0	0	0	0	1	1	1	1	2	2	2
2.5°	0	0	0	0	1	1	1	1	2	2	2
0°	0	0	0	0	1	1	1	1	2	2	2
-2.5°	0	0	0	0	1	1	1	1	2	2	2
-5°	0	0	0	0	1	1	1	1	2	2	2
-7.5°	0	0	0	0	1	1	1	1	2	2	2
-10°	0	0	0	0	1	1	1	1	2	2	2
-12.5°	0	0	0	0	1	1	1	1	2	2	2
-15°	0	0	0	0	1	1	1	1	2	2	2
-17.5°	0	0	0	0	1	1	1	1	2	2	2
-20°	0	0	0	0	1	1	1	1	1	2	2



REPORT NUMBER: G2-1802-569-44 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4036-12-CS-DIFF

**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	1	1	1	1	1	2	2
-25°	0	0	0	0	1	1	1	1	1	2	2
-27.5°	0	0	0	0	1	1	1	1	1	2	2
-30°	0	0	0	0	0	1	1	1	1	2	2
-32.5°	0	0	0	0	0	1	1	1	1	2	2
-35°	0	0	0	0	0	1	1	1	1	1	2
-37.5°	0	0	0	0	0	1	1	1	1	1	2
-40°	0	0	0	0	0	1	1	1	1	1	2
-42.5°	0	0	0	0	0	1	1	1	1	1	1
-45°	0	0	0	0	0	1	1	1	1	1	1
-47.5°	0	0	0	0	0	0	1	1	1	1	1
-50°	0	0	0	0	0	0	1	1	1	1	1
-52.5°	0	0	0	0	0	0	1	1	1	1	1
-55°	0	0	0	0	0	0	0	1	1	1	1
-57.5°	0	0	0	0	0	0	0	1	1	1	1
-60°	0	0	0	0	0	0	0	0	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	1	1
-67.5°	0	0	0	0	0	0	0	0	0	0	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: G2-1802-569-44 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4036-12-CS-DIFF

**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	1	1	1	1
75°	0	0	0	0	1	1	1	1	1	1	1
72.5°	0	0	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	2	2
62.5°	1	1	1	1	1	1	1	2	2	2	2
60°	1	1	1	1	1	1	2	2	2	2	2
57.5°	1	1	1	1	2	2	2	2	2	2	2
55°	1	1	1	2	2	2	2	2	2	2	3
52.5°	1	1	2	2	2	2	2	2	3	3	3
50°	1	1	2	2	2	2	2	3	3	3	3
47.5°	1	2	2	2	2	2	3	3	3	3	4
45°	2	2	2	2	2	3	3	3	4	4	5
42.5°	2	2	2	2	3	3	3	4	4	5	5
40°	2	2	2	2	3	3	3	4	5	5	6
37.5°	2	2	2	3	3	3	4	5	5	6	7
35°	2	2	2	3	3	4	4	5	6	7	8
32.5°	2	2	3	3	3	4	5	6	7	8	10
30°	2	2	3	3	4	5	5	6	8	9	11
27.5°	2	3	3	3	4	5	6	7	9	10	13
25°	2	3	3	4	4	5	6	8	10	12	15
22.5°	2	3	3	4	5	6	7	9	11	13	16
20°	2	3	3	4	5	6	8	9	12	15	19
17.5°	2	3	3	4	5	6	8	10	13	16	22
15°	3	3	4	4	5	7	9	11	14	18	24
12.5°	3	3	4	5	6	7	9	11	15	20	27
10°	3	3	4	5	6	7	9	12	15	21	30
7.5°	3	3	4	5	6	8	10	12	16	22	32
5°	3	3	4	5	6	8	10	13	17	23	34
2.5°	3	3	4	5	6	8	10	13	17	24	35
0°	3	3	4	5	6	8	10	13	17	24	35
-2.5°	3	3	4	5	6	8	10	13	17	24	35
-5°	3	3	4	5	6	8	10	13	17	23	34
-7.5°	3	3	4	5	6	8	10	12	16	22	32
-10°	3	3	4	5	6	7	9	12	15	21	30
-12.5°	3	3	4	5	6	7	9	11	15	20	27
-15°	3	3	4	4	5	7	9	11	14	18	24
-17.5°	2	3	3	4	5	6	8	10	13	16	22
-20°	2	3	3	4	5	6	8	9	12	15	19



REPORT NUMBER: G2-1802-569-44 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4036-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2	3	3	4	5	6	7	9	11	13	16
-25°	2	3	3	4	4	5	6	8	10	12	15
-27.5°	2	3	3	3	4	5	6	7	9	10	13
-30°	2	2	3	3	4	5	5	6	8	9	11
-32.5°	2	2	3	3	3	4	5	6	7	8	10
-35°	2	2	2	3	3	4	4	5	6	7	8
-37.5°	2	2	2	3	3	3	4	5	5	6	7
-40°	2	2	2	2	3	3	3	4	5	5	6
-42.5°	2	2	2	2	3	3	3	4	4	5	5
-45°	2	2	2	2	2	3	3	3	4	4	5
-47.5°	1	2	2	2	2	2	3	3	3	3	4
-50°	1	1	2	2	2	2	2	3	3	3	3
-52.5°	1	1	2	2	2	2	2	2	3	3	3
-55°	1	1	1	2	2	2	2	2	2	2	3
-57.5°	1	1	1	1	2	2	2	2	2	2	2
-60°	1	1	1	1	1	1	2	2	2	2	2
-62.5°	1	1	1	1	1	1	1	2	2	2	2
-65°	1	1	1	1	1	1	1	1	1	2	2
-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	1	1	1	1	1	1	1	1	1
-75°	0	0	0	0	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	1	1	1	1
-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: G2-1802-569-44 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4036-12-CS-DIFF

**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	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	2	2	2	2
67.5°	1	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	3	3	3
60°	2	2	2	3	3	3	3	3	3	3	3
57.5°	2	3	3	3	3	3	3	3	4	4	4
55°	3	3	3	3	4	4	4	4	4	5	5
52.5°	3	3	4	4	4	5	5	5	5	6	6
50°	4	4	5	5	5	6	6	6	7	7	7
47.5°	4	5	5	6	6	7	8	8	9	9	9
45°	5	6	6	7	8	9	9	10	11	11	12
42.5°	6	7	8	9	10	11	12	13	14	15	15
40°	7	8	9	10	12	13	15	16	18	20	21
37.5°	8	10	11	13	15	16	19	22	24	27	30
35°	10	11	13	16	18	22	25	30	34	38	42
32.5°	11	14	16	20	24	29	35	41	46	52	58
30°	13	16	20	25	32	39	46	54	62	70	79
27.5°	16	20	25	32	41	49	60	71	84	95	105
25°	18	24	32	41	51	63	78	93	108	123	137
22.5°	22	29	39	49	63	80	98	117	137	156	173
20°	25	35	46	60	78	98	120	144	168	191	212
17.5°	30	41	54	71	93	117	144	172	201	229	256
15°	34	46	62	84	108	137	168	201	235	270	299
12.5°	38	52	70	95	123	156	191	229	270	306	338
10°	42	58	79	105	137	173	212	256	299	338	370
7.5°	45	62	86	114	149	187	231	279	323	363	396
5°	47	65	91	121	158	199	246	295	341	381	416
2.5°	49	67	94	126	163	206	255	305	351	392	428
0°	49	68	95	127	165	208	258	308	355	396	433
-2.5°	49	67	94	126	163	206	255	305	351	392	428
-5°	47	65	91	121	158	199	246	295	341	381	416
-7.5°	45	62	86	114	149	187	231	279	323	363	396
-10°	42	58	79	105	137	173	212	256	299	338	370
-12.5°	38	52	70	95	123	156	191	229	270	306	338
-15°	34	46	62	84	108	137	168	201	235	270	299
-17.5°	30	41	54	71	93	117	144	172	201	229	256
-20°	25	35	46	60	78	98	120	144	168	191	212



REPORT NUMBER: G2-1802-569-44 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4036-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	22	29	39	49	63	80	98	117	137	156	173
-25°	18	24	32	41	51	63	78	93	108	123	137
-27.5°	16	20	25	32	41	49	60	71	84	95	105
-30°	13	16	20	25	32	39	46	54	62	70	79
-32.5°	11	14	16	20	24	29	35	41	46	52	58
-35°	10	11	13	16	18	22	25	30	34	38	42
-37.5°	8	10	11	13	15	16	19	22	24	27	30
-40°	7	8	9	10	12	13	15	16	18	20	21
-42.5°	6	7	8	9	10	11	12	13	14	15	15
-45°	5	6	6	7	8	9	9	10	11	11	12
-47.5°	4	5	5	6	6	7	8	8	9	9	9
-50°	4	4	5	5	5	6	6	6	7	7	7
-52.5°	3	3	4	4	4	5	5	5	5	6	6
-55°	3	3	3	3	4	4	4	4	4	5	5
-57.5°	2	3	3	3	3	3	3	3	4	4	4
-60°	2	2	2	3	3	3	3	3	3	3	3
-62.5°	2	2	2	2	2	2	2	2	3	3	3
-65°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	1	2	2	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	1	2	2	2	2
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1
-80°	0	0	0	1	1	1	1	1	1	1	1
-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: G2-1802-569-44 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4036-12-CS-DIFF

**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°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	3	3	2
60°	3	3	3	3	3	3	3	3	3	3	3
57.5°	4	4	4	4	4	4	4	4	4	4	3
55°	5	5	5	5	5	5	5	5	5	4	4
52.5°	6	6	6	6	6	6	6	6	6	5	5
50°	8	8	8	8	8	8	8	7	7	7	6
47.5°	10	10	10	10	10	10	10	9	9	9	8
45°	12	13	13	13	13	13	12	12	11	11	10
42.5°	16	17	17	17	17	17	16	15	15	14	13
40°	22	23	24	24	24	23	22	21	20	18	16
37.5°	32	34	35	35	35	34	32	30	27	24	22
35°	45	47	49	49	49	47	45	42	38	34	30
32.5°	62	65	67	68	67	65	62	58	52	46	41
30°	86	91	94	95	94	91	86	79	70	62	54
27.5°	114	121	126	127	126	121	114	105	95	84	71
25°	149	158	163	165	163	158	149	137	123	108	93
22.5°	187	199	206	208	206	199	187	173	156	137	117
20°	231	246	255	258	255	246	231	212	191	168	144
17.5°	279	295	305	308	305	295	279	256	229	201	172
15°	323	341	351	355	351	341	323	299	270	235	201
12.5°	363	381	392	396	392	381	363	338	306	270	229
10°	396	416	428	433	428	416	396	370	338	299	256
7.5°	424	447	461	465	461	447	424	396	363	323	279
5°	447	469	482	486	482	469	447	416	381	341	295
2.5°	461	482	492	496	492	482	461	428	392	351	305
0°	465	486	496	502	496	486	465	433	396	355	308
-2.5°	461	482	492	496	492	482	461	428	392	351	305
-5°	447	469	482	486	482	469	447	416	381	341	295
-7.5°	424	447	461	465	461	447	424	396	363	323	279
-10°	396	416	428	433	428	416	396	370	338	299	256
-12.5°	363	381	392	396	392	381	363	338	306	270	229
-15°	323	341	351	355	351	341	323	299	270	235	201
-17.5°	279	295	305	308	305	295	279	256	229	201	172
-20°	231	246	255	258	255	246	231	212	191	168	144



REPORT NUMBER: G2-1802-569-44 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4036-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	187	199	206	208	206	199	187	173	156	137	117
-25°	149	158	163	165	163	158	149	137	123	108	93
-27.5°	114	121	126	127	126	121	114	105	95	84	71
-30°	86	91	94	95	94	91	86	79	70	62	54
-32.5°	62	65	67	68	67	65	62	58	52	46	41
-35°	45	47	49	49	49	47	45	42	38	34	30
-37.5°	32	34	35	35	35	34	32	30	27	24	22
-40°	22	23	24	24	24	23	22	21	20	18	16
-42.5°	16	17	17	17	17	17	16	15	15	14	13
-45°	12	13	13	13	13	13	12	12	11	11	10
-47.5°	10	10	10	10	10	10	10	9	9	9	8
-50°	8	8	8	8	8	8	8	7	7	7	6
-52.5°	6	6	6	6	6	6	6	6	6	5	5
-55°	5	5	5	5	5	5	5	5	5	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	3	3	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-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: G2-1802-569-44 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4036-12-CS-DIFF

**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°	1	1	1	1	0	0	0	0	0	0	0
77.5°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
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°	2	2	2	2	2	2	1	1	1	1	1
65°	2	2	2	2	2	2	2	2	2	1	1
62.5°	2	2	2	2	2	2	2	2	2	2	2
60°	3	3	3	3	2	2	2	2	2	2	2
57.5°	3	3	3	3	3	3	2	2	2	2	2
55°	4	4	4	3	3	3	3	3	2	2	2
52.5°	5	5	4	4	4	3	3	3	3	3	2
50°	6	6	5	5	5	4	4	3	3	3	3
47.5°	8	7	6	6	5	5	4	4	3	3	3
45°	9	9	8	7	6	6	5	5	4	4	3
42.5°	12	11	10	9	8	7	6	5	5	4	4
40°	15	13	12	10	9	8	7	6	5	5	4
37.5°	19	16	15	13	11	10	8	7	6	5	5
35°	25	22	18	16	13	11	10	8	7	6	5
32.5°	35	29	24	20	16	14	11	10	8	7	6
30°	46	39	32	25	20	16	13	11	9	8	6
27.5°	60	49	41	32	25	20	16	13	10	9	7
25°	78	63	51	41	32	24	18	15	12	10	8
22.5°	98	80	63	49	39	29	22	16	13	11	9
20°	120	98	78	60	46	35	25	19	15	12	9
17.5°	144	117	93	71	54	41	30	22	16	13	10
15°	168	137	108	84	62	46	34	24	18	14	11
12.5°	191	156	123	95	70	52	38	27	20	15	11
10°	212	173	137	105	79	58	42	30	21	15	12
7.5°	231	187	149	114	86	62	45	32	22	16	12
5°	246	199	158	121	91	65	47	34	23	17	13
2.5°	255	206	163	126	94	67	49	35	24	17	13
0°	258	208	165	127	95	68	49	35	24	17	13
-2.5°	255	206	163	126	94	67	49	35	24	17	13
-5°	246	199	158	121	91	65	47	34	23	17	13
-7.5°	231	187	149	114	86	62	45	32	22	16	12
-10°	212	173	137	105	79	58	42	30	21	15	12
-12.5°	191	156	123	95	70	52	38	27	20	15	11
-15°	168	137	108	84	62	46	34	24	18	14	11
-17.5°	144	117	93	71	54	41	30	22	16	13	10
-20°	120	98	78	60	46	35	25	19	15	12	9



REPORT NUMBER: G2-1802-569-44 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4036-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	98	80	63	49	39	29	22	16	13	11	9
-25°	78	63	51	41	32	24	18	15	12	10	8
-27.5°	60	49	41	32	25	20	16	13	10	9	7
-30°	46	39	32	25	20	16	13	11	9	8	6
-32.5°	35	29	24	20	16	14	11	10	8	7	6
-35°	25	22	18	16	13	11	10	8	7	6	5
-37.5°	19	16	15	13	11	10	8	7	6	5	5
-40°	15	13	12	10	9	8	7	6	5	5	4
-42.5°	12	11	10	9	8	7	6	5	5	4	4
-45°	9	9	8	7	6	6	5	5	4	4	3
-47.5°	8	7	6	6	5	5	4	4	3	3	3
-50°	6	6	5	5	5	4	4	3	3	3	3
-52.5°	5	5	4	4	4	3	3	3	3	3	2
-55°	4	4	4	3	3	3	3	3	2	2	2
-57.5°	3	3	3	3	3	3	2	2	2	2	2
-60°	3	3	3	3	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	1	1
-67.5°	2	2	2	2	2	2	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°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	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: G2-1802-569-44 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4036-12-CS-DIFF

**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°	1	1	1	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	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	0	0	0
65°	1	1	1	1	1	1	1	1	1	0	0
62.5°	1	1	1	1	1	1	1	1	1	1	0
60°	2	1	1	1	1	1	1	1	1	1	0
57.5°	2	2	2	1	1	1	1	1	1	1	1
55°	2	2	2	2	1	1	1	1	1	1	1
52.5°	2	2	2	2	2	1	1	1	1	1	1
50°	2	2	2	2	2	1	1	1	1	1	1
47.5°	3	2	2	2	2	2	1	1	1	1	1
45°	3	3	2	2	2	2	2	1	1	1	1
42.5°	3	3	3	2	2	2	2	1	1	1	1
40°	3	3	3	2	2	2	2	2	1	1	1
37.5°	4	3	3	3	2	2	2	2	1	1	1
35°	4	4	3	3	2	2	2	2	1	1	1
32.5°	5	4	3	3	3	2	2	2	2	1	1
30°	5	5	4	3	3	2	2	2	2	1	1
27.5°	6	5	4	3	3	3	2	2	2	1	1
25°	6	5	4	4	3	3	2	2	2	1	1
22.5°	7	6	5	4	3	3	2	2	2	1	1
20°	8	6	5	4	3	3	2	2	2	1	1
17.5°	8	6	5	4	3	3	2	2	2	2	1
15°	9	7	5	4	4	3	3	2	2	2	1
12.5°	9	7	6	5	4	3	3	2	2	2	1
10°	9	7	6	5	4	3	3	2	2	2	1
7.5°	10	8	6	5	4	3	3	2	2	2	1
5°	10	8	6	5	4	3	3	2	2	2	1
2.5°	10	8	6	5	4	3	3	2	2	2	1
0°	10	8	6	5	4	3	3	2	2	2	1
-2.5°	10	8	6	5	4	3	3	2	2	2	1
-5°	10	8	6	5	4	3	3	2	2	2	1
-7.5°	10	8	6	5	4	3	3	2	2	2	1
-10°	9	7	6	5	4	3	3	2	2	2	1
-12.5°	9	7	6	5	4	3	3	2	2	2	1
-15°	9	7	5	4	4	3	3	2	2	2	1
-17.5°	8	6	5	4	3	3	2	2	2	2	1
-20°	8	6	5	4	3	3	2	2	2	1	1



REPORT NUMBER: G2-1802-569-44 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4036-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	7	6	5	4	3	3	2	2	2	1	1
-25°	6	5	4	4	3	3	2	2	2	1	1
-27.5°	6	5	4	3	3	3	2	2	2	1	1
-30°	5	5	4	3	3	2	2	2	2	1	1
-32.5°	5	4	3	3	3	2	2	2	2	1	1
-35°	4	4	3	3	2	2	2	2	1	1	1
-37.5°	4	3	3	3	2	2	2	2	1	1	1
-40°	3	3	3	2	2	2	2	2	1	1	1
-42.5°	3	3	3	2	2	2	2	1	1	1	1
-45°	3	3	2	2	2	2	2	1	1	1	1
-47.5°	3	2	2	2	2	2	1	1	1	1	1
-50°	2	2	2	2	2	1	1	1	1	1	1
-52.5°	2	2	2	2	2	1	1	1	1	1	1
-55°	2	2	2	2	1	1	1	1	1	1	1
-57.5°	2	2	2	1	1	1	1	1	1	1	1
-60°	2	1	1	1	1	1	1	1	1	1	0
-62.5°	1	1	1	1	1	1	1	1	1	1	0
-65°	1	1	1	1	1	1	1	1	1	0	0
-67.5°	1	1	1	1	1	1	1	1	0	0	0
-70°	1	1	1	1	1	1	1	0	0	0	0
-72.5°	1	1	1	1	1	0	0	0	0	0	0
-75°	1	1	1	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: G2-1802-569-44 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4036-12-CS-DIFF

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



REPORT NUMBER: G2-1802-569-44 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED4036-12-CS-DIFF

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1	1	1	0	0	0	0
-25°	1	1	1	0	0	0	0
-27.5°	1	1	1	0	0	0	0
-30°	1	1	0	0	0	0	0
-32.5°	1	1	0	0	0	0	0
-35°	1	1	0	0	0	0	0
-37.5°	1	1	0	0	0	0	0
-40°	1	1	0	0	0	0	0
-42.5°	1	1	0	0	0	0	0
-45°	1	1	0	0	0	0	0
-47.5°	1	0	0	0	0	0	0
-50°	1	0	0	0	0	0	0
-52.5°	1	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)