

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: G2-1802-569-28 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED4025-12-BK-DIFF**

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-28 (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: 203-8LED4025-12-BK-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 4000K 95 CRI 25°NFL LED
SM16-07-25D-940-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

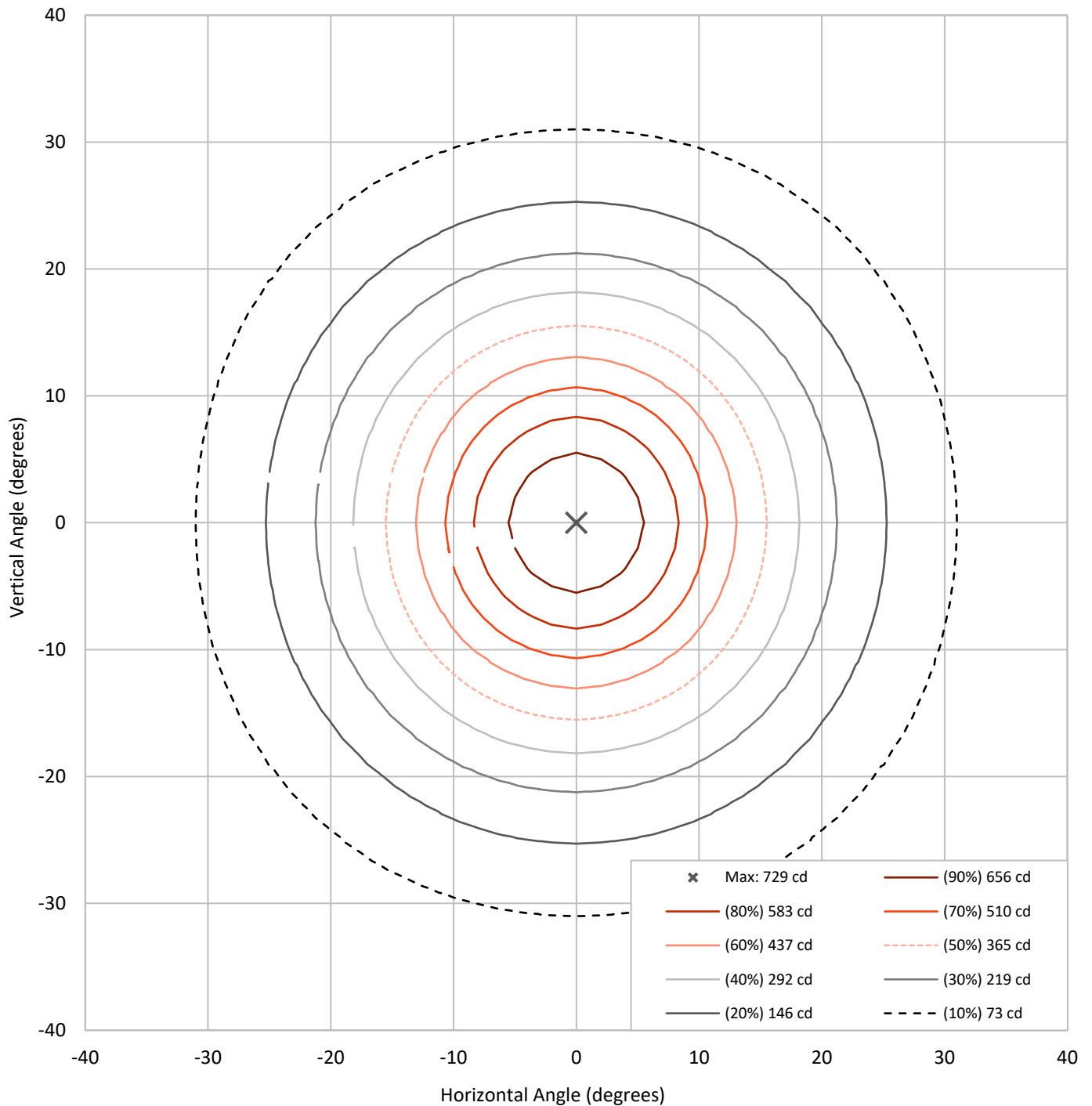
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	267 lumens	Max Intensity:	729 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	33.8 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	31°H x 31°V	Field Angle (10%):	62°H x 62°V
Beam Lumens:	116.8 lumens	Field Lumens:	235.8 lumens
Beam Efficiency:	43.8%	Field Efficiency:	88.3%
Input Watts (W):	7.9		
Input Voltage (V):	12.0		
Input Current (Ain):	0.693		
Voltage Rise (V):	NR		
Power Factor:	0.9491		
Total Harmonic Distortion (THDi):	26.9%		
Frequency (hertz):	60		
Stabilization Time:	0.5 HR		
Operation Time:	9 HR		
Ambient Temperature (°C):	25.1		
Test Distance:	25 FT		



REPORT NUMBER: G2-1802-569-28 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





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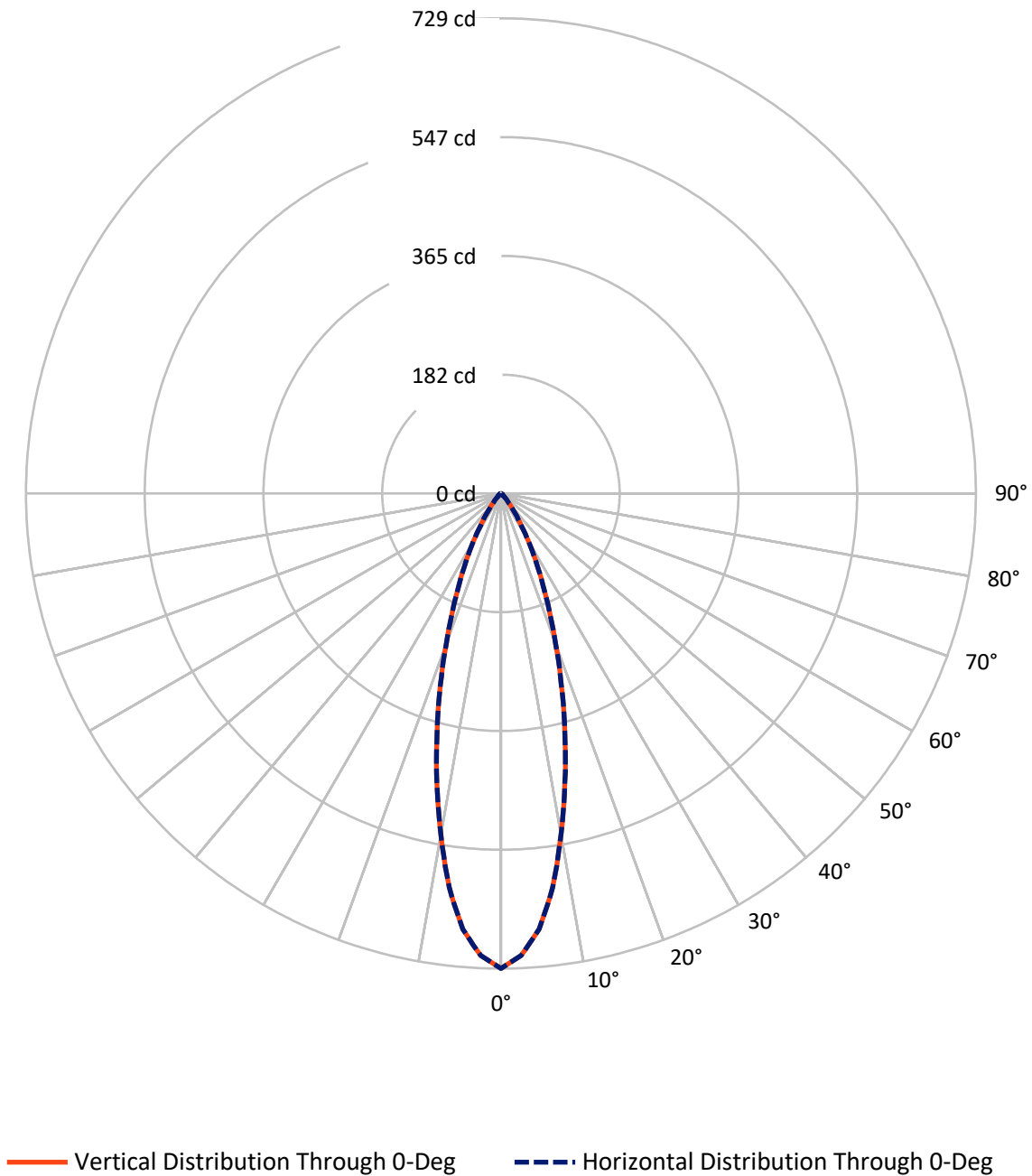
Lumen Table

90	0.0														
80	0.0														
70	0.0														
60	0.0														
50	0.0														
40	0.0														
30	0.0														
20	0.0														
10	0.0														
0	0.0														
-10	0.0														
-20	0.0														
-30	0.0														
-40	0.0														
-50	0.0														
-60	0.0														
-70	0.0														
-80	0.0														
-90	0.0														

	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
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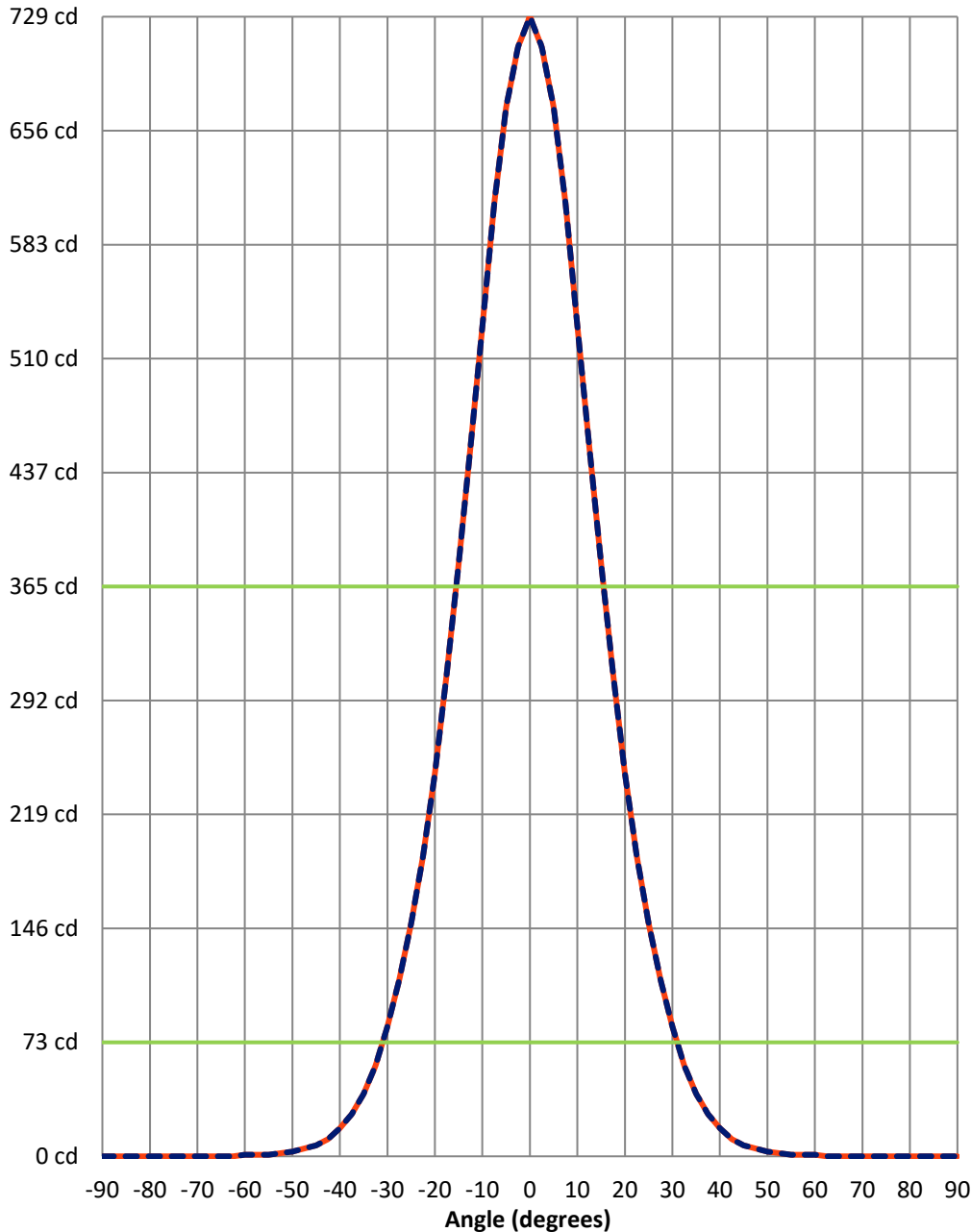
REPORT NUMBER: G2-1802-569-28 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 31°
V Angle: 31°
Lumens: 116.8
Efficiency: 43.8%

Field:
H Angle: 62°
V Angle: 62°
Lumens: 235.8
Efficiency: 88.3%

Spill:
Lumens: 31.2
Efficiency: 11.7%

- 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: G2-1802-569-28 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-BK-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	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: G2-1802-569-28 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-BK-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	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	1
50°	0	0	0	0	0	0	0	0	0	1	1
47.5°	0	0	0	0	0	0	0	0	1	1	1
45°	0	0	0	0	0	0	0	1	1	1	1
42.5°	0	0	0	0	0	0	1	1	1	1	1
40°	0	0	0	0	0	1	1	1	1	1	2
37.5°	0	0	0	0	1	1	1	1	1	2	3
35°	0	0	0	0	1	1	1	1	2	3	3
32.5°	0	0	0	1	1	1	1	2	2	3	5
30°	0	0	0	1	1	1	1	2	3	4	6
27.5°	0	0	0	1	1	1	2	3	4	5	7
25°	0	0	1	1	1	1	2	3	5	6	9
22.5°	0	0	1	1	1	2	2	4	5	7	10
20°	0	0	1	1	1	2	3	4	6	9	13
17.5°	0	0	1	1	1	2	3	5	7	10	16
15°	0	1	1	1	1	2	4	5	8	12	18
12.5°	0	1	1	1	2	3	4	6	9	14	21
10°	0	1	1	1	2	3	4	6	9	15	23
7.5°	0	1	1	1	2	3	5	7	10	16	25
5°	0	1	1	1	2	3	5	7	11	17	26
2.5°	0	1	1	1	2	3	5	7	11	18	27
0°	0	1	1	1	2	3	5	7	11	18	27
-2.5°	0	1	1	1	2	3	5	7	11	18	27
-5°	0	1	1	1	2	3	5	7	11	17	26
-7.5°	0	1	1	1	2	3	5	7	10	16	25
-10°	0	1	1	1	2	3	4	6	9	15	23
-12.5°	0	1	1	1	2	3	4	6	9	14	21
-15°	0	1	1	1	1	2	4	5	8	12	18
-17.5°	0	0	1	1	1	2	3	5	7	10	16
-20°	0	0	1	1	1	2	3	4	6	9	13



REPORT NUMBER: G2-1802-569-28 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	0	0	1	1	1	2	2	4	5	7	10
-25°	0	0	1	1	1	1	2	3	5	6	9
-27.5°	0	0	0	1	1	1	2	3	4	5	7
-30°	0	0	0	1	1	1	1	2	3	4	6
-32.5°	0	0	0	1	1	1	1	2	2	3	5
-35°	0	0	0	0	1	1	1	1	2	3	3
-37.5°	0	0	0	0	1	1	1	1	1	2	3
-40°	0	0	0	0	0	1	1	1	1	1	2
-42.5°	0	0	0	0	0	0	1	1	1	1	1
-45°	0	0	0	0	0	0	0	1	1	1	1
-47.5°	0	0	0	0	0	0	0	0	1	1	1
-50°	0	0	0	0	0	0	0	0	0	1	1
-52.5°	0	0	0	0	0	0	0	0	0	0	1
-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: G2-1802-569-28 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-BK-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	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	1	1	1
57.5°	0	0	0	0	1	1	1	1	1	1	1
55°	0	1	1	1	1	1	1	1	1	1	1
52.5°	1	1	1	1	1	1	1	1	1	2	2
50°	1	1	1	1	1	2	2	2	2	3	3
47.5°	1	1	1	2	2	2	3	3	4	4	4
45°	1	2	2	3	3	4	4	5	5	6	6
42.5°	2	2	3	4	5	5	6	7	8	9	9
40°	3	3	4	5	6	7	9	10	12	14	15
37.5°	3	5	6	7	9	10	13	16	18	21	23
35°	5	6	7	10	12	16	19	23	26	30	34
32.5°	6	8	10	14	18	22	27	32	38	43	48
30°	7	10	14	19	24	30	37	45	53	60	68
27.5°	10	14	19	25	32	40	51	61	73	83	93
25°	12	18	24	32	42	53	67	81	96	110	123
22.5°	16	22	30	40	53	69	86	104	123	141	157
20°	19	27	37	51	67	86	107	130	152	176	197
17.5°	23	32	45	61	81	104	130	157	185	216	243
15°	26	38	53	73	96	123	152	185	222	260	297
12.5°	30	43	60	83	110	141	176	216	260	306	352
10°	34	48	68	93	123	157	197	243	297	352	406
7.5°	36	53	75	102	134	172	217	271	331	393	455
5°	38	56	79	108	142	183	232	292	357	426	495
2.5°	40	57	82	112	147	190	242	305	373	447	522
0°	40	58	83	113	149	192	245	309	379	454	531
-2.5°	40	57	82	112	147	190	242	305	373	447	522
-5°	38	56	79	108	142	183	232	292	357	426	495
-7.5°	36	53	75	102	134	172	217	271	331	393	455
-10°	34	48	68	93	123	157	197	243	297	352	406
-12.5°	30	43	60	83	110	141	176	216	260	306	352
-15°	26	38	53	73	96	123	152	185	222	260	297
-17.5°	23	32	45	61	81	104	130	157	185	216	243
-20°	19	27	37	51	67	86	107	130	152	176	197



REPORT NUMBER: G2-1802-569-28 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	16	22	30	40	53	69	86	104	123	141	157
-25°	12	18	24	32	42	53	67	81	96	110	123
-27.5°	10	14	19	25	32	40	51	61	73	83	93
-30°	7	10	14	19	24	30	37	45	53	60	68
-32.5°	6	8	10	14	18	22	27	32	38	43	48
-35°	5	6	7	10	12	16	19	23	26	30	34
-37.5°	3	5	6	7	9	10	13	16	18	21	23
-40°	3	3	4	5	6	7	9	10	12	14	15
-42.5°	2	2	3	4	5	5	6	7	8	9	9
-45°	1	2	2	3	3	4	4	5	5	6	6
-47.5°	1	1	1	2	2	2	3	3	4	4	4
-50°	1	1	1	1	1	2	2	2	2	3	3
-52.5°	1	1	1	1	1	1	1	1	1	2	2
-55°	0	1	1	1	1	1	1	1	1	1	1
-57.5°	0	0	0	0	1	1	1	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	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: G2-1802-569-28 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-BK-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°	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	1	1	1	1	1	1	0
57.5°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
52.5°	2	2	2	2	2	2	2	2	2	1	1
50°	3	3	3	3	3	3	3	3	3	2	2
47.5°	5	5	5	5	5	5	5	4	4	4	3
45°	7	7	7	7	7	7	7	6	6	5	5
42.5°	10	11	11	11	11	11	10	9	9	8	7
40°	16	17	18	18	18	17	16	15	14	12	10
37.5°	25	26	27	27	27	26	25	23	21	18	16
35°	36	38	40	40	40	38	36	34	30	26	23
32.5°	53	56	57	58	57	56	53	48	43	38	32
30°	75	79	82	83	82	79	75	68	60	53	45
27.5°	102	108	112	113	112	108	102	93	83	73	61
25°	134	142	147	149	147	142	134	123	110	96	81
22.5°	172	183	190	192	190	183	172	157	141	123	104
20°	217	232	242	245	242	232	217	197	176	152	130
17.5°	271	292	305	309	305	292	271	243	216	185	157
15°	331	357	373	379	373	357	331	297	260	222	185
12.5°	393	426	447	454	447	426	393	352	306	260	216
10°	455	495	522	531	522	495	455	406	352	297	243
7.5°	513	564	598	610	598	564	513	455	393	331	271
5°	564	622	658	671	658	622	564	495	426	357	292
2.5°	598	658	696	710	696	658	598	522	447	373	305
0°	610	671	710	729	710	671	610	531	454	379	309
-2.5°	598	658	696	710	696	658	598	522	447	373	305
-5°	564	622	658	671	658	622	564	495	426	357	292
-7.5°	513	564	598	610	598	564	513	455	393	331	271
-10°	455	495	522	531	522	495	455	406	352	297	243
-12.5°	393	426	447	454	447	426	393	352	306	260	216
-15°	331	357	373	379	373	357	331	297	260	222	185
-17.5°	271	292	305	309	305	292	271	243	216	185	157
-20°	217	232	242	245	242	232	217	197	176	152	130



REPORT NUMBER: G2-1802-569-28 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	172	183	190	192	190	183	172	157	141	123	104
-25°	134	142	147	149	147	142	134	123	110	96	81
-27.5°	102	108	112	113	112	108	102	93	83	73	61
-30°	75	79	82	83	82	79	75	68	60	53	45
-32.5°	53	56	57	58	57	56	53	48	43	38	32
-35°	36	38	40	40	40	38	36	34	30	26	23
-37.5°	25	26	27	27	27	26	25	23	21	18	16
-40°	16	17	18	18	18	17	16	15	14	12	10
-42.5°	10	11	11	11	11	11	10	9	9	8	7
-45°	7	7	7	7	7	7	7	6	6	5	5
-47.5°	5	5	5	5	5	5	5	4	4	4	3
-50°	3	3	3	3	3	3	3	3	3	2	2
-52.5°	2	2	2	2	2	2	2	2	2	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	1
-60°	1	1	1	1	1	1	1	1	1	1	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: G2-1802-569-28 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-BK-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°	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	0	0	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	1	0	0	0
50°	2	2	1	1	1	1	1	1	1	0	0
47.5°	3	2	2	2	1	1	1	1	1	1	0
45°	4	4	3	3	2	2	1	1	1	1	1
42.5°	6	5	5	4	3	2	2	1	1	1	1
40°	9	7	6	5	4	3	3	2	1	1	1
37.5°	13	10	9	7	6	5	3	3	2	1	1
35°	19	16	12	10	7	6	5	3	3	2	1
32.5°	27	22	18	14	10	8	6	5	3	2	2
30°	37	30	24	19	14	10	7	6	4	3	2
27.5°	51	40	32	25	19	14	10	7	5	4	3
25°	67	53	42	32	24	18	12	9	6	5	3
22.5°	86	69	53	40	30	22	16	10	7	5	4
20°	107	86	67	51	37	27	19	13	9	6	4
17.5°	130	104	81	61	45	32	23	16	10	7	5
15°	152	123	96	73	53	38	26	18	12	8	5
12.5°	176	141	110	83	60	43	30	21	14	9	6
10°	197	157	123	93	68	48	34	23	15	9	6
7.5°	217	172	134	102	75	53	36	25	16	10	7
5°	232	183	142	108	79	56	38	26	17	11	7
2.5°	242	190	147	112	82	57	40	27	18	11	7
0°	245	192	149	113	83	58	40	27	18	11	7
-2.5°	242	190	147	112	82	57	40	27	18	11	7
-5°	232	183	142	108	79	56	38	26	17	11	7
-7.5°	217	172	134	102	75	53	36	25	16	10	7
-10°	197	157	123	93	68	48	34	23	15	9	6
-12.5°	176	141	110	83	60	43	30	21	14	9	6
-15°	152	123	96	73	53	38	26	18	12	8	5
-17.5°	130	104	81	61	45	32	23	16	10	7	5
-20°	107	86	67	51	37	27	19	13	9	6	4



REPORT NUMBER: G2-1802-569-28 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	86	69	53	40	30	22	16	10	7	5	4
-25°	67	53	42	32	24	18	12	9	6	5	3
-27.5°	51	40	32	25	19	14	10	7	5	4	3
-30°	37	30	24	19	14	10	7	6	4	3	2
-32.5°	27	22	18	14	10	8	6	5	3	2	2
-35°	19	16	12	10	7	6	5	3	3	2	1
-37.5°	13	10	9	7	6	5	3	3	2	1	1
-40°	9	7	6	5	4	3	3	2	1	1	1
-42.5°	6	5	5	4	3	2	2	1	1	1	1
-45°	4	4	3	3	2	2	1	1	1	1	1
-47.5°	3	2	2	2	1	1	1	1	1	1	0
-50°	2	2	1	1	1	1	1	1	1	0	0
-52.5°	1	1	1	1	1	1	1	1	0	0	0
-55°	1	1	1	1	1	1	0	0	0	0	0
-57.5°	1	1	1	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: G2-1802-569-28 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-BK-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°	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°	1	0	0	0	0	0	0	0	0	0	0
40°	1	1	0	0	0	0	0	0	0	0	0
37.5°	1	1	1	0	0	0	0	0	0	0	0
35°	1	1	1	0	0	0	0	0	0	0	0
32.5°	1	1	1	1	0	0	0	0	0	0	0
30°	1	1	1	1	0	0	0	0	0	0	0
27.5°	2	1	1	1	0	0	0	0	0	0	0
25°	2	1	1	1	1	0	0	0	0	0	0
22.5°	2	2	1	1	1	0	0	0	0	0	0
20°	3	2	1	1	1	0	0	0	0	0	0
17.5°	3	2	1	1	1	0	0	0	0	0	0
15°	4	2	1	1	1	1	0	0	0	0	0
12.5°	4	3	2	1	1	1	0	0	0	0	0
10°	4	3	2	1	1	1	0	0	0	0	0
7.5°	5	3	2	1	1	1	0	0	0	0	0
5°	5	3	2	1	1	1	0	0	0	0	0
2.5°	5	3	2	1	1	1	0	0	0	0	0
0°	5	3	2	1	1	1	0	0	0	0	0
-2.5°	5	3	2	1	1	1	0	0	0	0	0
-5°	5	3	2	1	1	1	0	0	0	0	0
-7.5°	5	3	2	1	1	1	0	0	0	0	0
-10°	4	3	2	1	1	1	0	0	0	0	0
-12.5°	4	3	2	1	1	1	0	0	0	0	0
-15°	4	2	1	1	1	1	0	0	0	0	0
-17.5°	3	2	1	1	1	0	0	0	0	0	0
-20°	3	2	1	1	1	0	0	0	0	0	0



REPORT NUMBER: G2-1802-569-28 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2	2	1	1	1	0	0	0	0	0	0
-25°	2	1	1	1	1	0	0	0	0	0	0
-27.5°	2	1	1	1	0	0	0	0	0	0	0
-30°	1	1	1	1	0	0	0	0	0	0	0
-32.5°	1	1	1	1	0	0	0	0	0	0	0
-35°	1	1	1	0	0	0	0	0	0	0	0
-37.5°	1	1	1	0	0	0	0	0	0	0	0
-40°	1	1	0	0	0	0	0	0	0	0	0
-42.5°	1	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: G2-1802-569-28 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-BK-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°	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: G2-1802-569-28 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED4025-12-BK-DIFF

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)