

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: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED2725-12-CS-DIFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-40)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-8LED2725-12-CS-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, DIFFUSED LENS
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-25D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

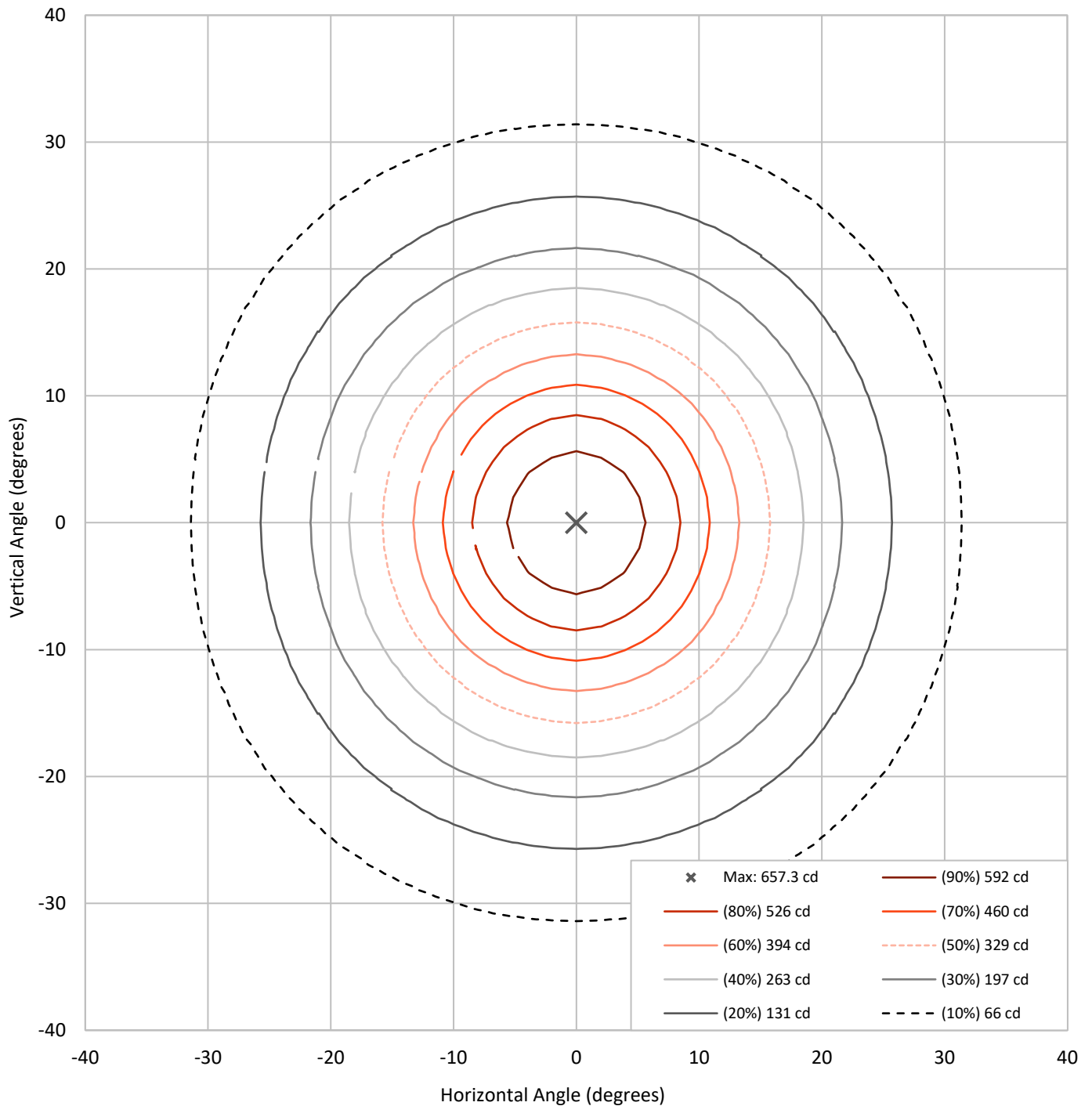
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	256.6 lumens	Max Intensity:	657.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	32.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	31.6°H x 31.6°V	Field Angle (10%):	62.8°H x 62.8°V
Beam Lumens:	106.3 lumens	Field Lumens:	218.4 lumens
Beam Efficiency:	41.4%	Field Efficiency:	85.1%
Input Watts (W):	7.8		
Input Voltage (V):	NR		
Input Current (Ain):	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: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED2725-12-CS-DIFF

Iso-Candela Plot



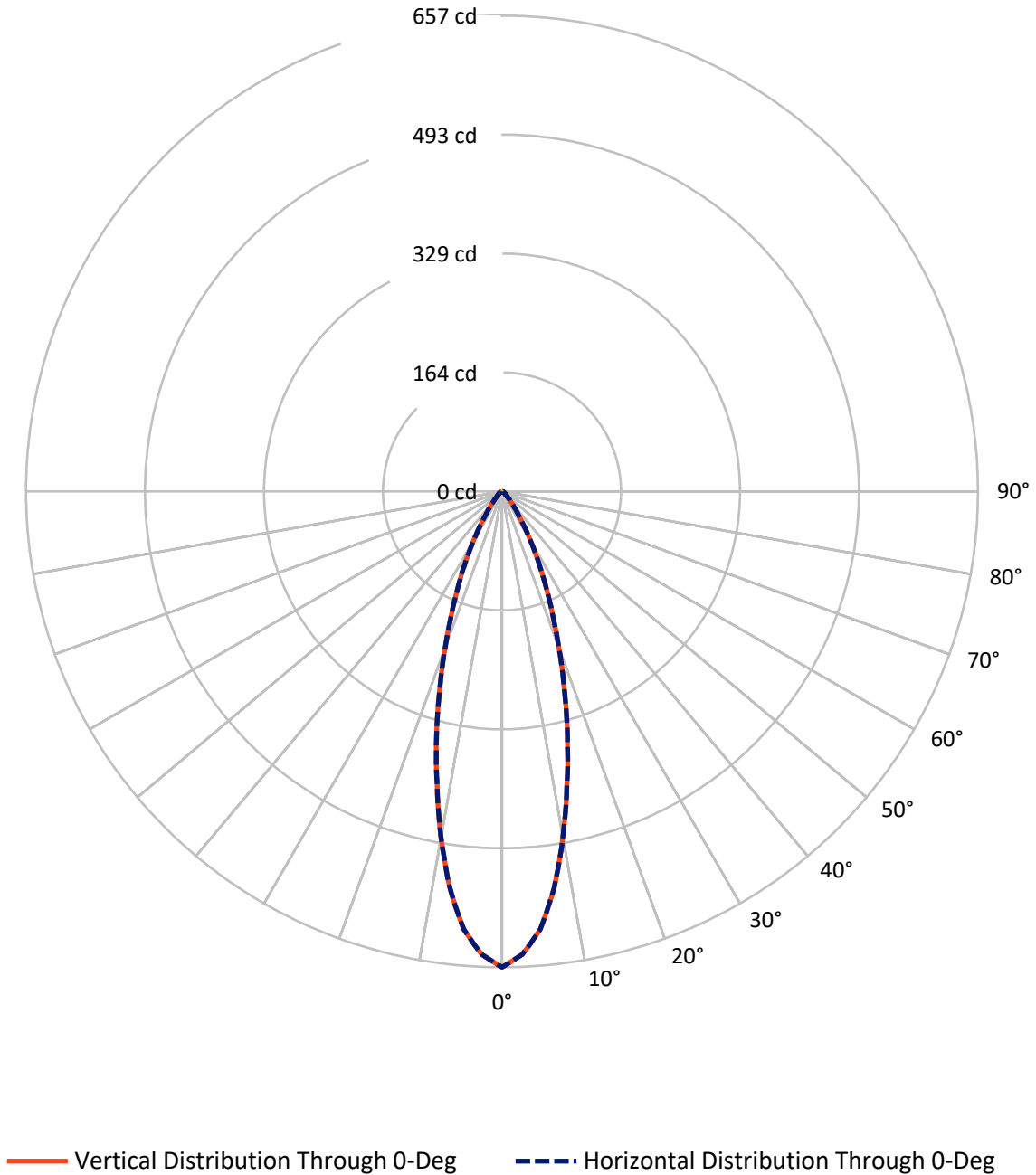
REPORT NUMBER: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-CS-DIFF

Lumen Table

90	0.0	0.0	0.0	0.1	0.1	0.1	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	0.1	0.1	0.1	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	0.1	0.1	0.1	0.1	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0			
50	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0
40		0.0	0.0	0.1	0.2	0.5	0.9	1.2	1.2	0.9	0.5	0.2	0.1	0.0	0.0		
30	0.0	0.0	0.1	0.1	0.4	1.2	2.7	4.1	4.1	2.7	1.2	0.4	0.1	0.1	0.0	0.0	0.0
20		0.0	0.1	0.2	0.7	2.6	6.1	9.8	9.8	6.1	2.6	0.7	0.2	0.1	0.0		
10	0.0	0.0	0.1	0.2	1.0	3.8	9.5	16.3	16.3	9.5	3.8	1.0	0.2	0.1	0.0	0.0	0.0
0		0.0	0.1	0.2	1.0	3.8	9.5	16.3	16.3	9.5	3.8	1.0	0.2	0.1	0.0		
-10	0.0	0.0	0.1	0.2	1.0	3.8	9.5	16.3	16.3	9.5	3.8	1.0	0.2	0.1	0.0	0.0	0.0
-20		0.0	0.1	0.2	0.7	2.6	6.1	9.8	9.8	6.1	2.6	0.7	0.2	0.1	0.0		
-30	0.0	0.0	0.1	0.1	0.4	1.2	2.7	4.1	4.1	2.7	1.2	0.4	0.1	0.1	0.0	0.0	0.0
-40		0.0	0.0	0.1	0.2	0.5	0.9	1.2	1.2	0.9	0.5	0.2	0.1	0.0	0.0		
-50	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0
-60		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0		
-70	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	0.0
-80		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		
-90	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

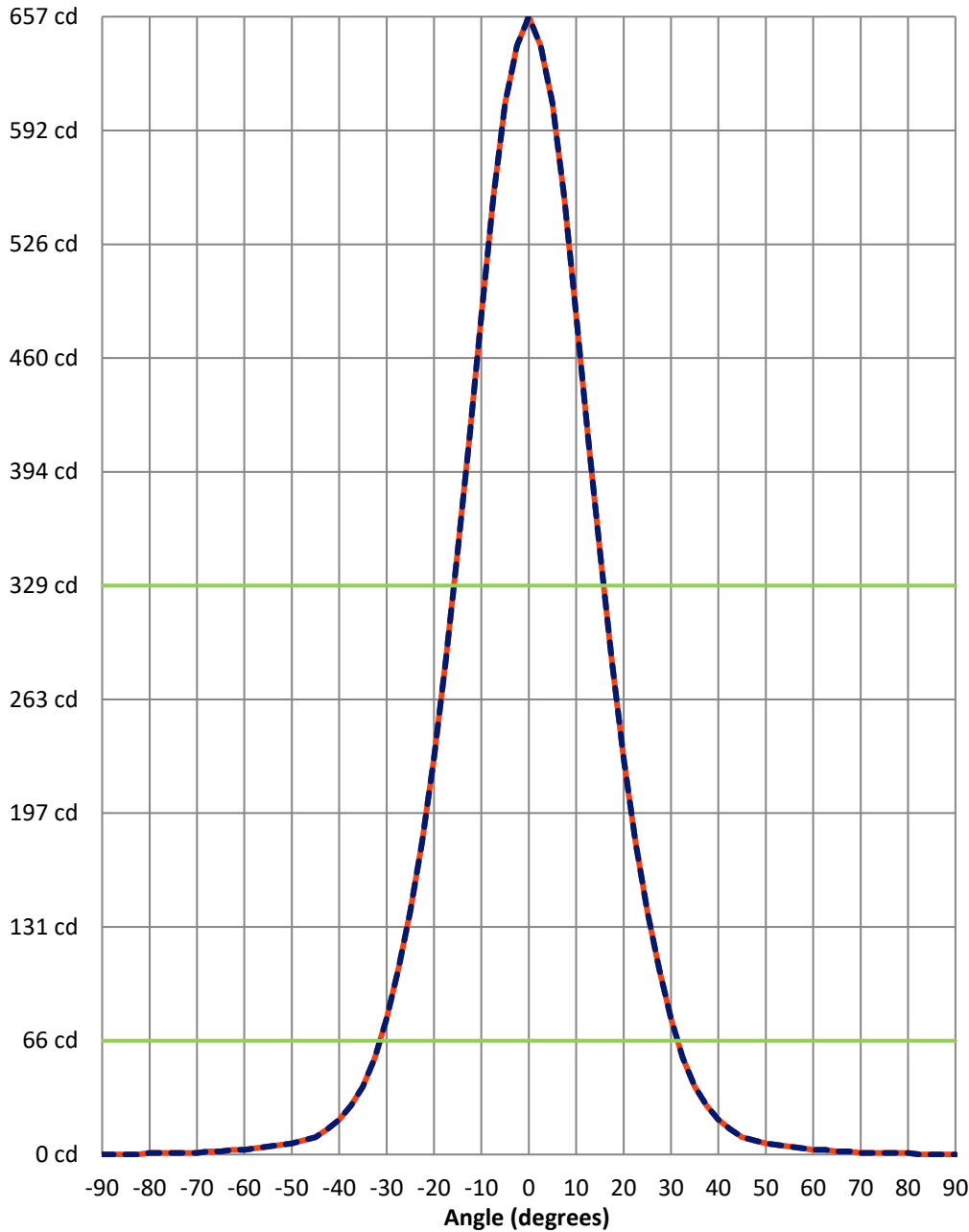
REPORT NUMBER: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED2725-12-CS-DIFF

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 31.6°
 V Angle: 31.6°
 Lumens: 106.3
 Efficiency: 41.4%

Field:
 H Angle: 62.8°
 V Angle: 62.8°
 Lumens: 218.4
 Efficiency: 85.1%

Spill:
 Lumens: 38.2
 Efficiency: 14.9%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-CS-DIFF

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



REPORT NUMBER: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED2725-12-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	1	2
-25°	0	0	0	0	1	1	1	1	1	1	2
-27.5°	0	0	0	0	0	1	1	1	1	1	2
-30°	0	0	0	0	0	1	1	1	1	1	1
-32.5°	0	0	0	0	0	1	1	1	1	1	1
-35°	0	0	0	0	0	1	1	1	1	1	1
-37.5°	0	0	0	0	0	1	1	1	1	1	1
-40°	0	0	0	0	0	1	1	1	1	1	1
-42.5°	0	0	0	0	0	1	1	1	1	1	1
-45°	0	0	0	0	0	0	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: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-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	0	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	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	2	2
57.5°	1	1	1	1	1	1	1	2	2	2	2
55°	1	1	1	1	1	1	2	2	2	2	3
52.5°	1	1	1	1	2	2	2	2	2	3	3
50°	1	1	1	1	2	2	2	3	3	3	3
47.5°	1	1	1	2	2	2	3	3	3	3	4
45°	1	1	2	2	2	3	3	3	3	4	4
42.5°	1	1	2	2	2	3	3	3	4	4	5
40°	1	2	2	2	3	3	3	4	4	5	5
37.5°	1	2	2	3	3	3	4	4	5	5	6
35°	2	2	2	3	3	3	4	5	5	6	7
32.5°	2	2	3	3	3	4	5	5	6	7	8
30°	2	2	3	3	3	4	5	6	6	8	9
27.5°	2	2	3	3	4	5	5	6	7	8	10
25°	2	3	3	3	4	5	6	6	8	9	12
22.5°	2	3	3	3	4	5	6	7	9	10	14
20°	2	3	3	4	5	5	6	8	9	12	16
17.5°	2	3	3	4	5	6	6	8	10	14	18
15°	2	3	3	4	5	6	7	9	11	15	20
12.5°	2	3	3	4	5	6	7	9	12	17	23
10°	3	3	3	4	5	6	8	9	13	18	25
7.5°	3	3	4	4	5	6	8	10	14	19	26
5°	3	3	4	5	5	6	8	10	14	20	27
2.5°	3	3	4	5	5	6	8	10	14	20	28
0°	3	3	4	5	6	6	8	10	15	20	28
-2.5°	3	3	4	5	5	6	8	10	14	20	28
-5°	3	3	4	5	5	6	8	10	14	20	27
-7.5°	3	3	4	4	5	6	8	10	14	19	26
-10°	3	3	3	4	5	6	8	9	13	18	25
-12.5°	2	3	3	4	5	6	7	9	12	17	23
-15°	2	3	3	4	5	6	7	9	11	15	20
-17.5°	2	3	3	4	5	6	6	8	10	14	18
-20°	2	3	3	4	5	5	6	8	9	12	16



REPORT NUMBER: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-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	3	4	5	6	7	9	10	14
-25°	2	3	3	3	4	5	6	6	8	9	12
-27.5°	2	2	3	3	4	5	5	6	7	8	10
-30°	2	2	3	3	3	4	5	6	6	8	9
-32.5°	2	2	3	3	3	4	5	5	6	7	8
-35°	2	2	2	3	3	3	4	5	5	6	7
-37.5°	1	2	2	3	3	3	4	4	5	5	6
-40°	1	2	2	2	3	3	3	4	4	5	5
-42.5°	1	1	2	2	2	3	3	3	4	4	5
-45°	1	1	2	2	2	3	3	3	3	4	4
-47.5°	1	1	1	2	2	2	3	3	3	3	4
-50°	1	1	1	1	2	2	2	3	3	3	3
-52.5°	1	1	1	1	2	2	2	2	2	3	3
-55°	1	1	1	1	1	1	2	2	2	2	3
-57.5°	1	1	1	1	1	1	1	2	2	2	2
-60°	1	1	1	1	1	1	1	1	1	2	2
-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	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	0	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: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-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	0	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	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	2	2	2
65°	1	1	1	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	3
60°	2	2	2	2	3	3	3	3	3	3	3
57.5°	2	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	4	4	4	4	4
52.5°	3	3	3	4	4	4	5	5	5	5	5
50°	3	4	4	5	5	5	5	6	6	6	6
47.5°	4	5	5	5	6	6	6	6	7	7	8
45°	5	5	6	6	6	7	8	8	9	9	9
42.5°	5	6	6	7	8	9	9	10	11	12	13
40°	6	7	8	8	9	10	12	14	15	17	18
37.5°	7	8	9	10	12	14	16	18	20	23	25
35°	8	9	10	13	16	18	21	25	28	31	34
32.5°	9	11	14	17	20	24	28	33	37	42	47
30°	10	14	17	21	26	31	37	44	51	58	65
27.5°	13	17	21	26	33	40	49	58	69	78	88
25°	16	20	26	33	41	51	64	77	91	104	116
22.5°	18	24	31	40	51	66	81	99	115	132	148
20°	21	28	37	49	64	81	101	122	143	164	185
17.5°	25	33	44	58	77	99	122	147	174	201	227
15°	28	37	51	69	91	115	143	174	206	242	275
12.5°	31	42	58	78	104	132	164	201	242	283	323
10°	34	47	65	88	116	148	185	227	275	323	372
7.5°	36	51	71	96	126	161	203	252	304	360	415
5°	38	53	75	102	134	171	217	270	328	389	451
2.5°	39	55	78	106	139	178	226	282	343	408	476
0°	39	56	79	107	141	181	229	286	349	414	485
-2.5°	39	55	78	106	139	178	226	282	343	408	476
-5°	38	53	75	102	134	171	217	270	328	389	451
-7.5°	36	51	71	96	126	161	203	252	304	360	415
-10°	34	47	65	88	116	148	185	227	275	323	372
-12.5°	31	42	58	78	104	132	164	201	242	283	323
-15°	28	37	51	69	91	115	143	174	206	242	275
-17.5°	25	33	44	58	77	99	122	147	174	201	227
-20°	21	28	37	49	64	81	101	122	143	164	185



REPORT NUMBER: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-CS-DIFF

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	18	24	31	40	51	66	81	99	115	132	148
-25°	16	20	26	33	41	51	64	77	91	104	116
-27.5°	13	17	21	26	33	40	49	58	69	78	88
-30°	10	14	17	21	26	31	37	44	51	58	65
-32.5°	9	11	14	17	20	24	28	33	37	42	47
-35°	8	9	10	13	16	18	21	25	28	31	34
-37.5°	7	8	9	10	12	14	16	18	20	23	25
-40°	6	7	8	8	9	10	12	14	15	17	18
-42.5°	5	6	6	7	8	9	9	10	11	12	13
-45°	5	5	6	6	6	7	8	8	9	9	9
-47.5°	4	5	5	5	6	6	6	6	7	7	8
-50°	3	4	4	5	5	5	5	6	6	6	6
-52.5°	3	3	3	4	4	4	5	5	5	5	5
-55°	3	3	3	3	3	3	4	4	4	4	4
-57.5°	2	3	3	3	3	3	3	3	3	3	3
-60°	2	2	2	2	3	3	3	3	3	3	3
-62.5°	2	2	2	2	2	2	2	2	2	2	3
-65°	1	1	1	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	1	1	1	1	2	2	2
-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°	0	0	0	0	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: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-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°	1	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	2	2	2	2	1
65°	2	2	2	2	2	2	2	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	2	2	2
60°	3	3	3	3	3	3	3	3	3	3	3
57.5°	4	4	4	4	4	4	4	3	3	3	3
55°	4	5	5	5	5	5	4	4	4	4	4
52.5°	5	5	5	6	5	5	5	5	5	5	5
50°	6	6	6	6	6	6	6	6	6	6	6
47.5°	8	8	8	8	8	8	8	8	7	7	6
45°	10	10	10	10	10	10	10	9	9	9	8
42.5°	14	14	14	15	14	14	14	13	12	11	10
40°	19	20	20	20	20	20	19	18	17	15	14
37.5°	26	27	28	28	28	27	26	25	23	20	18
35°	36	38	39	39	39	38	36	34	31	28	25
32.5°	51	53	55	56	55	53	51	47	42	37	33
30°	71	75	78	79	78	75	71	65	58	51	44
27.5°	96	102	106	107	106	102	96	88	78	69	58
25°	126	134	139	141	139	134	126	116	104	91	77
22.5°	161	171	178	181	178	171	161	148	132	115	99
20°	203	217	226	229	226	217	203	185	164	143	122
17.5°	252	270	282	286	282	270	252	227	201	174	147
15°	304	328	343	349	343	328	304	275	242	206	174
12.5°	360	389	408	414	408	389	360	323	283	242	201
10°	415	451	476	485	476	451	415	372	323	275	227
7.5°	467	512	542	552	542	512	467	415	360	304	252
5°	512	563	596	607	596	563	512	451	389	328	270
2.5°	542	596	629	640	629	596	542	476	408	343	282
0°	552	607	640	657	640	607	552	485	414	349	286
-2.5°	542	596	629	640	629	596	542	476	408	343	282
-5°	512	563	596	607	596	563	512	451	389	328	270
-7.5°	467	512	542	552	542	512	467	415	360	304	252
-10°	415	451	476	485	476	451	415	372	323	275	227
-12.5°	360	389	408	414	408	389	360	323	283	242	201
-15°	304	328	343	349	343	328	304	275	242	206	174
-17.5°	252	270	282	286	282	270	252	227	201	174	147
-20°	203	217	226	229	226	217	203	185	164	143	122



REPORT NUMBER: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-CS-DIFF

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	161	171	178	181	178	171	161	148	132	115	99
-25°	126	134	139	141	139	134	126	116	104	91	77
-27.5°	96	102	106	107	106	102	96	88	78	69	58
-30°	71	75	78	79	78	75	71	65	58	51	44
-32.5°	51	53	55	56	55	53	51	47	42	37	33
-35°	36	38	39	39	39	38	36	34	31	28	25
-37.5°	26	27	28	28	28	27	26	25	23	20	18
-40°	19	20	20	20	20	20	19	18	17	15	14
-42.5°	14	14	14	15	14	14	14	13	12	11	10
-45°	10	10	10	10	10	10	10	9	9	9	8
-47.5°	8	8	8	8	8	8	8	8	7	7	6
-50°	6	6	6	6	6	6	6	6	6	6	6
-52.5°	5	5	5	6	5	5	5	5	5	5	5
-55°	4	5	5	5	5	5	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	2	2	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	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	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: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-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	0	0	0	0	0	0	0	0
77.5°	1	1	1	1	1	1	1	1	1	1	0
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°	1	1	1	1	1	1	1	1	1	1	1
65°	2	2	2	2	1	1	1	1	1	1	1
62.5°	2	2	2	2	2	2	2	1	1	1	1
60°	3	3	3	2	2	2	2	2	2	1	1
57.5°	3	3	3	3	3	3	2	2	2	2	2
55°	4	3	3	3	3	3	3	3	2	2	2
52.5°	5	4	4	4	3	3	3	3	3	2	2
50°	5	5	5	5	4	4	3	3	3	3	3
47.5°	6	6	6	5	5	5	4	4	3	3	3
45°	8	7	6	6	6	5	5	4	4	3	3
42.5°	9	9	8	7	6	6	5	5	4	4	3
40°	12	10	9	8	8	7	6	5	5	4	4
37.5°	16	14	12	10	9	8	7	6	5	5	4
35°	21	18	16	13	10	9	8	7	6	5	5
32.5°	28	24	20	17	14	11	9	8	7	6	5
30°	37	31	26	21	17	14	10	9	8	6	6
27.5°	49	40	33	26	21	17	13	10	8	7	6
25°	64	51	41	33	26	20	16	12	9	8	6
22.5°	81	66	51	40	31	24	18	14	10	9	7
20°	101	81	64	49	37	28	21	16	12	9	8
17.5°	122	99	77	58	44	33	25	18	14	10	8
15°	143	115	91	69	51	37	28	20	15	11	9
12.5°	164	132	104	78	58	42	31	23	17	12	9
10°	185	148	116	88	65	47	34	25	18	13	9
7.5°	203	161	126	96	71	51	36	26	19	14	10
5°	217	171	134	102	75	53	38	27	20	14	10
2.5°	226	178	139	106	78	55	39	28	20	14	10
0°	229	181	141	107	79	56	39	28	20	15	10
-2.5°	226	178	139	106	78	55	39	28	20	14	10
-5°	217	171	134	102	75	53	38	27	20	14	10
-7.5°	203	161	126	96	71	51	36	26	19	14	10
-10°	185	148	116	88	65	47	34	25	18	13	9
-12.5°	164	132	104	78	58	42	31	23	17	12	9
-15°	143	115	91	69	51	37	28	20	15	11	9
-17.5°	122	99	77	58	44	33	25	18	14	10	8
-20°	101	81	64	49	37	28	21	16	12	9	8



REPORT NUMBER: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-CS-DIFF

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	81	66	51	40	31	24	18	14	10	9	7
-25°	64	51	41	33	26	20	16	12	9	8	6
-27.5°	49	40	33	26	21	17	13	10	8	7	6
-30°	37	31	26	21	17	14	10	9	8	6	6
-32.5°	28	24	20	17	14	11	9	8	7	6	5
-35°	21	18	16	13	10	9	8	7	6	5	5
-37.5°	16	14	12	10	9	8	7	6	5	5	4
-40°	12	10	9	8	8	7	6	5	5	4	4
-42.5°	9	9	8	7	6	6	5	5	4	4	3
-45°	8	7	6	6	6	5	5	4	4	3	3
-47.5°	6	6	6	5	5	5	4	4	3	3	3
-50°	5	5	5	5	4	4	3	3	3	3	3
-52.5°	5	4	4	4	3	3	3	3	3	2	2
-55°	4	3	3	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	2	2	2	2	2	2	1	1
-62.5°	2	2	2	2	2	2	2	1	1	1	1
-65°	2	2	2	2	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°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	0
-80°	1	1	1	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: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-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°	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°	2	1	1	1	1	1	1	1	1	1	1
52.5°	2	2	2	1	1	1	1	1	1	1	1
50°	2	2	2	1	1	1	1	1	1	1	1
47.5°	3	2	2	2	1	1	1	1	1	1	1
45°	3	3	2	2	2	1	1	1	1	1	1
42.5°	3	3	2	2	2	1	1	1	1	1	1
40°	3	3	3	2	2	2	1	1	1	1	1
37.5°	4	3	3	3	2	2	1	1	1	1	1
35°	4	3	3	3	2	2	2	1	1	1	1
32.5°	5	4	3	3	3	2	2	1	1	1	1
30°	5	4	3	3	3	2	2	1	1	1	1
27.5°	5	5	4	3	3	2	2	2	1	1	1
25°	6	5	4	3	3	3	2	2	1	1	1
22.5°	6	5	4	3	3	3	2	2	1	1	1
20°	6	5	5	4	3	3	2	2	1	1	1
17.5°	6	6	5	4	3	3	2	2	1	1	1
15°	7	6	5	4	3	3	2	2	2	1	1
12.5°	7	6	5	4	3	3	2	2	2	1	1
10°	8	6	5	4	3	3	3	2	2	1	1
7.5°	8	6	5	4	4	3	3	2	2	1	1
5°	8	6	5	5	4	3	3	2	2	1	1
2.5°	8	6	5	5	4	3	3	2	2	1	1
0°	8	6	6	5	4	3	3	2	2	1	1
-2.5°	8	6	5	5	4	3	3	2	2	1	1
-5°	8	6	5	5	4	3	3	2	2	1	1
-7.5°	8	6	5	4	4	3	3	2	2	1	1
-10°	8	6	5	4	3	3	3	2	2	1	1
-12.5°	7	6	5	4	3	3	2	2	2	1	1
-15°	7	6	5	4	3	3	2	2	2	1	1
-17.5°	6	6	5	4	3	3	2	2	1	1	1
-20°	6	5	5	4	3	3	2	2	1	1	1



REPORT NUMBER: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-CS-DIFF

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6	5	4	3	3	3	2	2	1	1	1
-25°	6	5	4	3	3	3	2	2	1	1	1
-27.5°	5	5	4	3	3	2	2	2	1	1	1
-30°	5	4	3	3	3	2	2	1	1	1	1
-32.5°	5	4	3	3	3	2	2	1	1	1	1
-35°	4	3	3	3	2	2	2	1	1	1	1
-37.5°	4	3	3	3	2	2	1	1	1	1	1
-40°	3	3	3	2	2	2	1	1	1	1	1
-42.5°	3	3	2	2	2	1	1	1	1	1	1
-45°	3	3	2	2	2	1	1	1	1	1	1
-47.5°	3	2	2	2	1	1	1	1	1	1	1
-50°	2	2	2	1	1	1	1	1	1	1	1
-52.5°	2	2	2	1	1	1	1	1	1	1	1
-55°	2	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°	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: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-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	0	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	0	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: P247022 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED2725-12-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	0	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	0	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)