

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: P247018 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED2725-12-BK-LSL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247018 (CONVERTED FROM TYPE C PHOTOMETRY)  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-29)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-8LED2725-12-BK-LSL  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, LINEAR SPREAD LENS  
Light Source: (1) SORAA 2700K 95 CRI LED  
SM16-07-25D-927-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

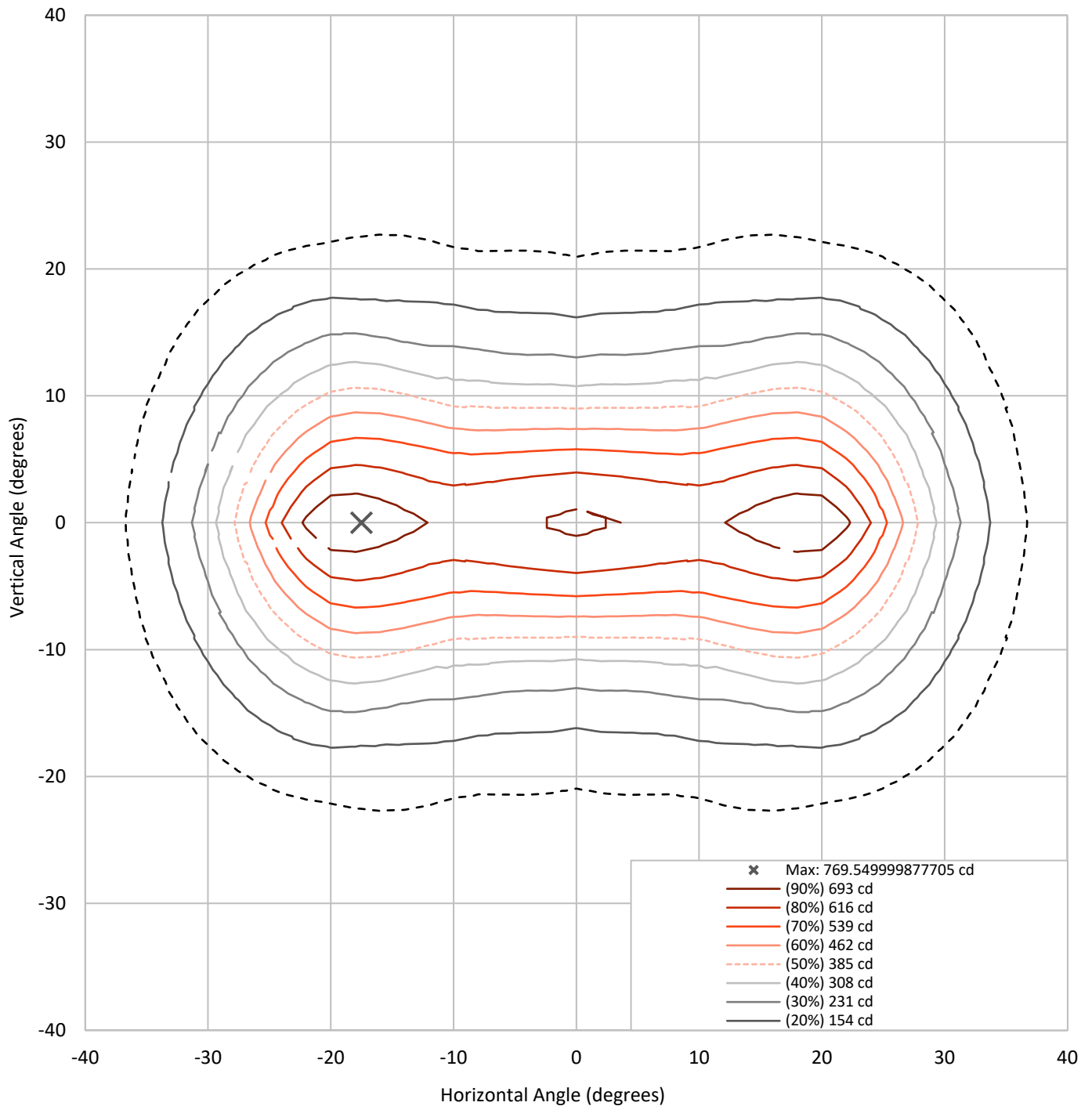
Lumens per Lamp:	N/A	NEMA Type:	5H x 3V
Luminaire Lumens:	288.6 lumens	Max Intensity:	769.5 candela
Efficiency:	N/A	Max Intensity Angle:	-17.5°H x 0°V
Efficacy:	36.5 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	55.7°H x 21.4°V	Field Angle (10%):	73.2°H x 45.1°V
Beam Lumens:	166.5 lumens	Field Lumens:	266.3 lumens
Beam Efficiency:	57.7%	Field Efficiency:	92.3%
Input Watts (W):	7.9		
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		



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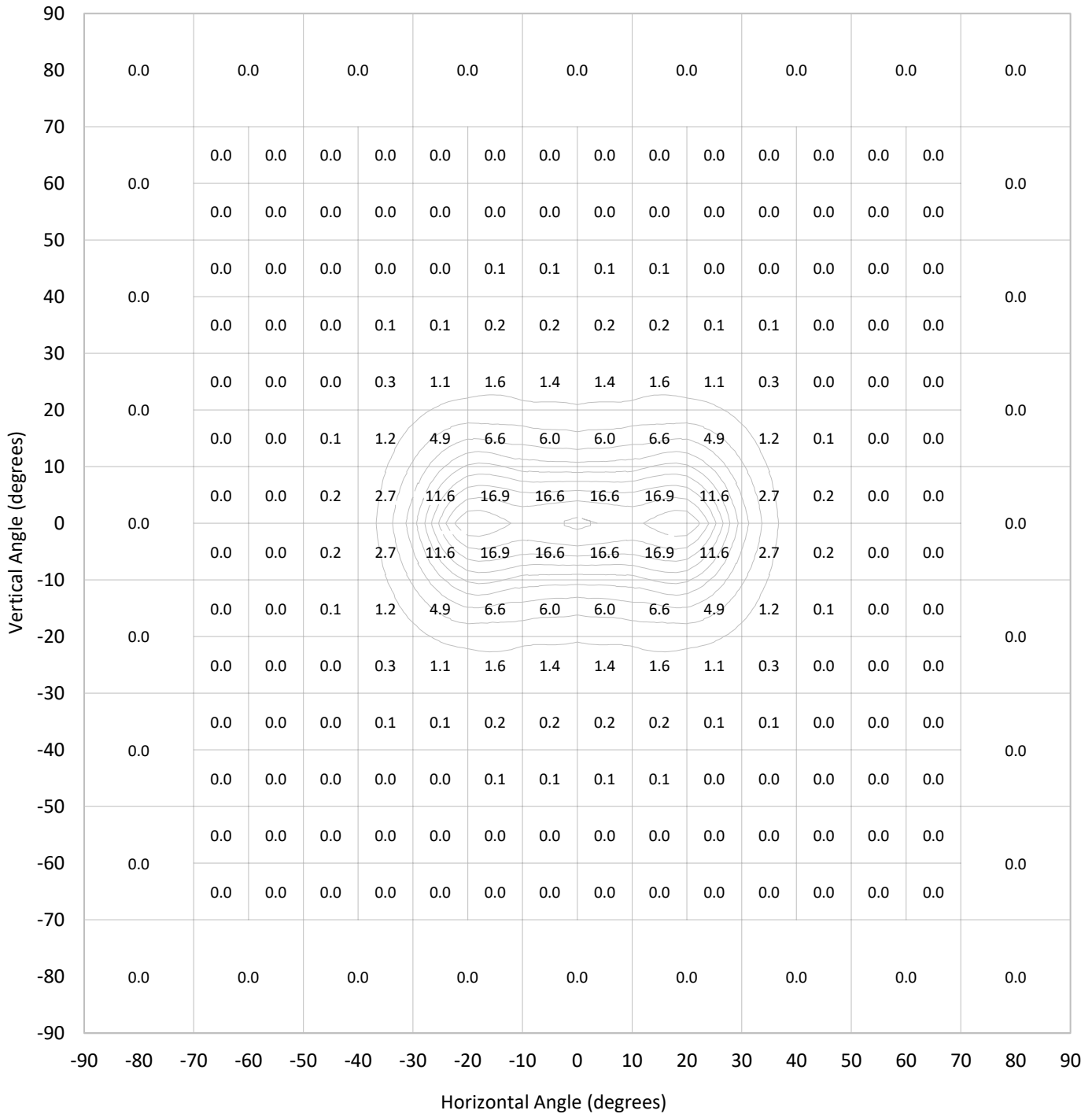
### Iso-Candela Plot





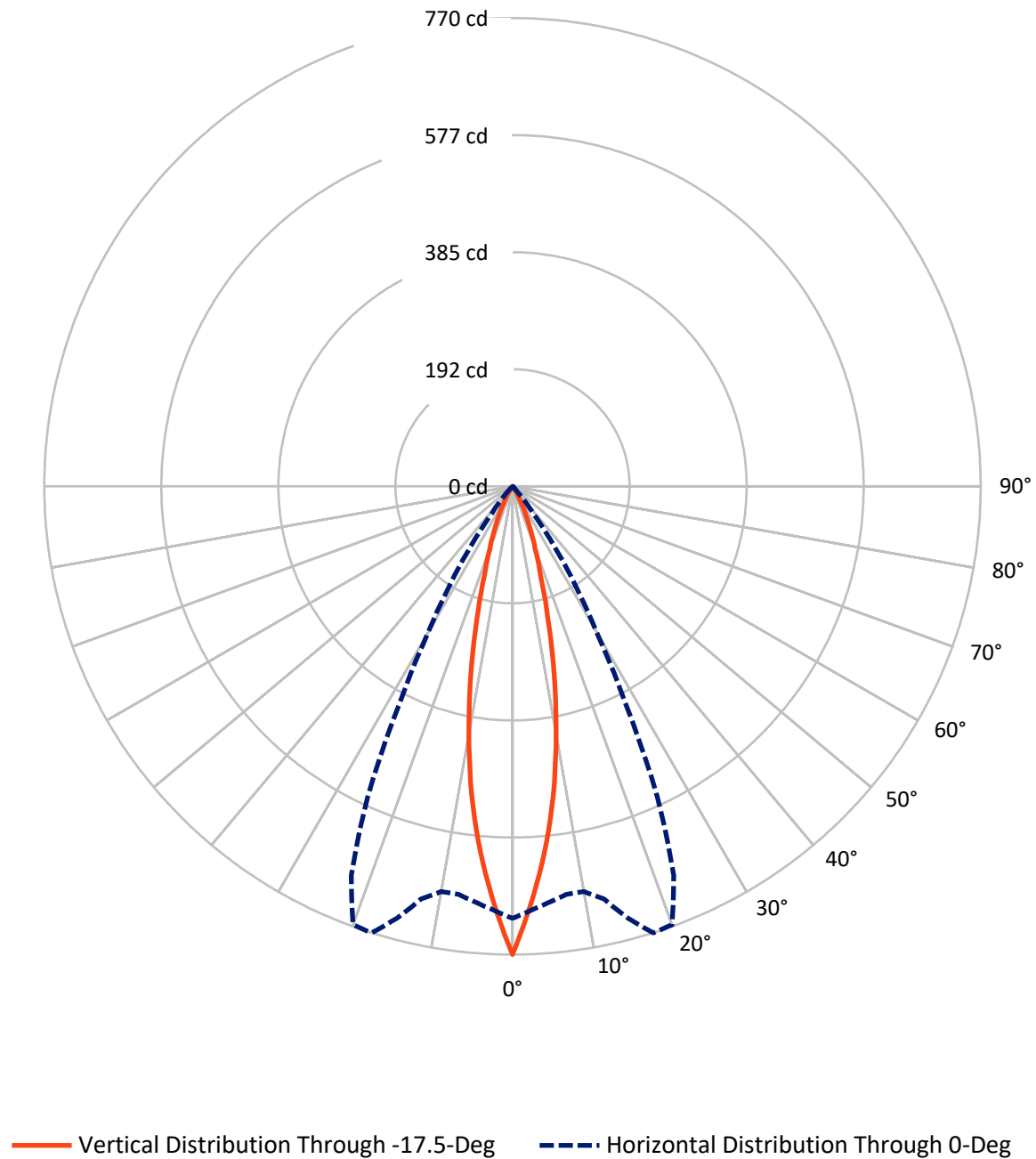
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### Lumen Table



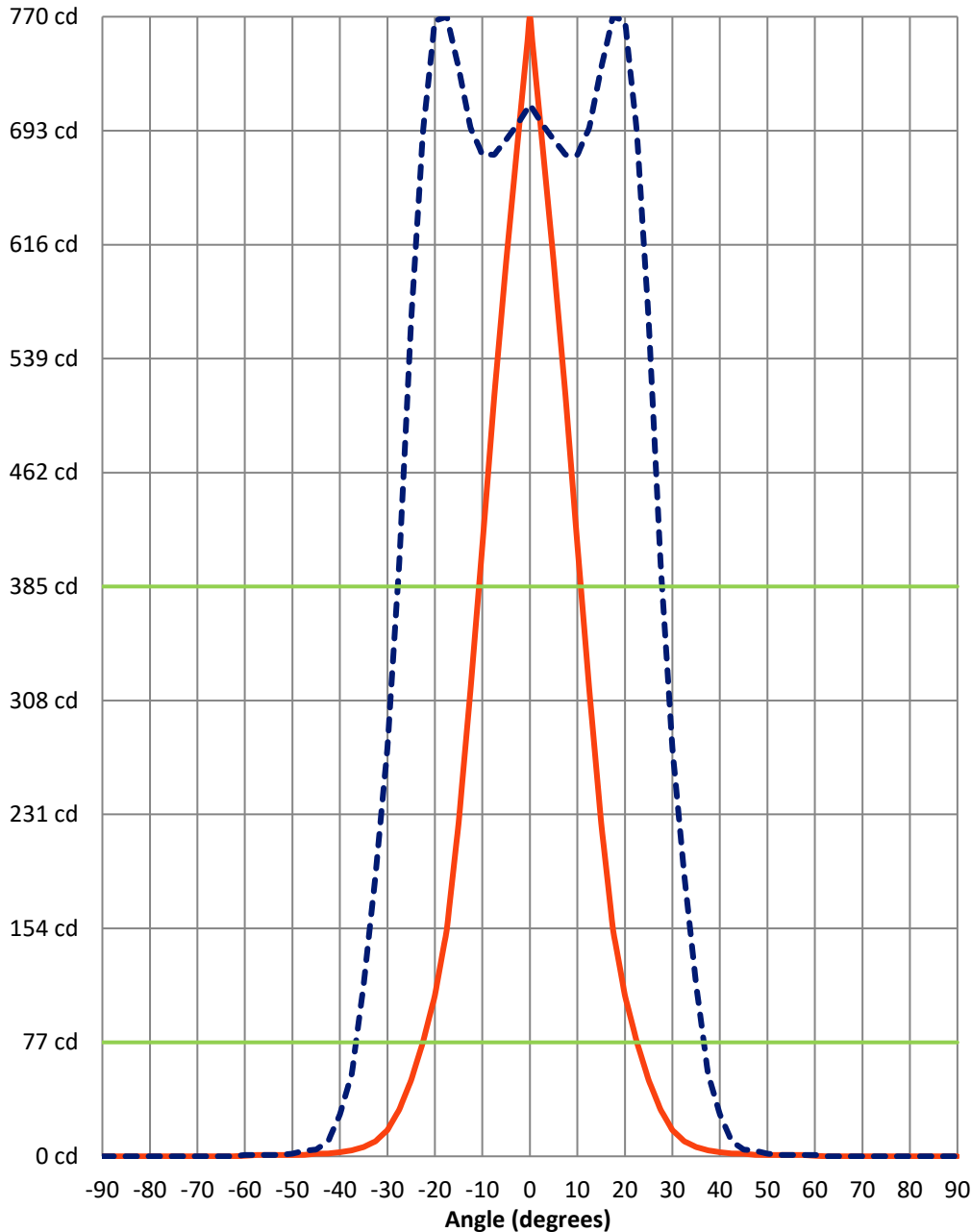
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 55.7°  
 V Angle: 21.4°  
 Lumens: 166.5  
 Efficiency: 57.7%

**Field:**  
 H Angle: 73.2°  
 V Angle: 45.1°  
 Lumens: 266.3  
 Efficiency: 92.3%

**Spill:**  
 Lumens: 22.3  
 Efficiency: 7.7%

— Vertical Distribution through -17.5-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: P247018 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED2725-12-BK-LSL

**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: P247018 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2725-12-BK-LSL

**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	0
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	1
37.5°	0	0	0	0	0	1	1	1	1	1	1
35°	0	0	0	0	1	1	1	1	1	1	2
32.5°	0	0	0	1	1	1	1	1	1	2	2
30°	0	0	0	1	1	1	1	1	2	2	3
27.5°	0	0	0	1	1	1	1	1	2	3	4
25°	0	0	1	1	1	1	1	2	2	4	5
22.5°	0	0	1	1	1	1	1	2	3	4	7
20°	0	0	1	1	1	1	2	2	4	6	10
17.5°	0	0	1	1	1	1	2	3	4	8	15
15°	0	0	1	1	1	1	2	3	5	10	19
12.5°	0	1	1	1	1	1	3	4	6	13	28
10°	0	1	1	1	1	2	3	4	7	17	36
7.5°	0	1	1	1	1	2	3	4	8	21	43
5°	0	1	1	1	1	2	3	5	9	24	48
2.5°	0	1	1	1	1	2	4	5	10	26	53
0°	0	1	1	1	1	2	4	5	10	28	56
-2.5°	0	1	1	1	1	2	4	5	10	26	53
-5°	0	1	1	1	1	2	3	5	9	24	48
-7.5°	0	1	1	1	1	2	3	4	8	21	43
-10°	0	1	1	1	1	2	3	4	7	17	36
-12.5°	0	1	1	1	1	1	3	4	6	13	28
-15°	0	0	1	1	1	1	2	3	5	10	19
-17.5°	0	0	1	1	1	1	2	3	4	8	15
-20°	0	0	1	1	1	1	2	2	4	6	10



REPORT NUMBER: P247018 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2725-12-BK-LSL

**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	1	1	2	3	4	7
-25°	0	0	1	1	1	1	1	2	2	4	5
-27.5°	0	0	0	1	1	1	1	1	2	3	4
-30°	0	0	0	1	1	1	1	1	2	2	3
-32.5°	0	0	0	1	1	1	1	1	1	2	2
-35°	0	0	0	0	1	1	1	1	1	1	2
-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	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	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: P247018 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2725-12-BK-LSL

**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	0	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	1	1
50°	1	1	1	1	1	1	1	1	1	1	1
47.5°	1	1	1	1	1	1	1	1	1	1	2
45°	1	1	1	1	1	1	2	2	2	2	2
42.5°	1	1	2	2	2	2	2	2	2	2	2
40°	1	2	2	2	2	2	3	3	3	3	3
37.5°	2	2	2	2	3	3	4	4	4	4	4
35°	2	2	3	4	4	5	6	6	6	6	6
32.5°	3	3	4	5	7	8	9	10	10	8	9
30°	4	5	7	8	11	13	16	18	18	15	15
27.5°	5	8	11	15	18	22	29	32	32	27	24
25°	8	12	20	27	33	39	47	51	52	48	41
22.5°	12	21	33	45	58	66	72	77	79	75	66
20°	18	33	52	72	89	101	106	109	112	109	101
17.5°	29	51	77	102	126	147	158	153	151	152	146
15°	40	72	105	138	171	204	224	225	205	203	202
12.5°	54	93	134	177	227	271	304	315	299	269	268
10°	70	115	166	221	289	349	397	413	401	376	348
7.5°	84	137	197	269	358	439	496	513	503	481	460
5°	97	158	227	317	432	529	590	604	592	576	562
2.5°	108	176	254	363	503	615	680	688	664	637	630
0°	116	190	276	401	564	692	767	770	735	695	676
-2.5°	108	176	254	363	503	615	680	688	664	637	630
-5°	97	158	227	317	432	529	590	604	592	576	562
-7.5°	84	137	197	269	358	439	496	513	503	481	460
-10°	70	115	166	221	289	349	397	413	401	376	348
-12.5°	54	93	134	177	227	271	304	315	299	269	268
-15°	40	72	105	138	171	204	224	225	205	203	202
-17.5°	29	51	77	102	126	147	158	153	151	152	146
-20°	18	33	52	72	89	101	106	109	112	109	101



REPORT NUMBER: P247018 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2725-12-BK-LSL

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12	21	33	45	58	66	72	77	79	75	66
-25°	8	12	20	27	33	39	47	51	52	48	41
-27.5°	5	8	11	15	18	22	29	32	32	27	24
-30°	4	5	7	8	11	13	16	18	18	15	15
-32.5°	3	3	4	5	7	8	9	10	10	8	9
-35°	2	2	3	4	4	5	6	6	6	6	6
-37.5°	2	2	2	2	3	3	4	4	4	4	4
-40°	1	2	2	2	2	2	3	3	3	3	3
-42.5°	1	1	2	2	2	2	2	2	2	2	2
-45°	1	1	1	1	1	1	2	2	2	2	2
-47.5°	1	1	1	1	1	1	1	1	1	1	2
-50°	1	1	1	1	1	1	1	1	1	1	1
-52.5°	1	1	1	1	1	1	1	1	1	1	1
-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	0	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: P247018 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2725-12-BK-LSL

**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	0	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°	1	1	1	1	1	1	1	1	1	1	1
50°	1	1	1	1	1	1	1	1	1	1	1
47.5°	2	2	2	2	2	2	2	2	1	1	1
45°	2	2	2	2	2	2	2	2	2	2	2
42.5°	3	3	3	3	3	3	3	2	2	2	2
40°	3	3	3	3	3	3	3	3	3	3	3
37.5°	5	5	5	5	5	5	5	4	4	4	4
35°	6	6	6	6	6	6	6	6	6	6	6
32.5°	9	9	9	8	9	9	9	9	8	10	10
30°	15	15	14	13	14	15	15	15	15	18	18
27.5°	26	27	26	24	26	27	26	24	27	32	32
25°	42	43	42	39	42	43	42	41	48	52	51
22.5°	63	65	64	59	64	65	63	66	75	79	77
20°	92	95	94	88	94	95	92	101	109	112	109
17.5°	134	135	134	128	134	135	134	146	152	151	153
15°	191	183	185	177	185	183	191	202	203	205	225
12.5°	262	245	250	241	250	245	262	268	269	299	315
10°	350	340	343	337	343	340	350	348	376	401	413
7.5°	448	456	456	456	456	456	448	460	481	503	513
5°	560	566	572	579	572	566	560	562	576	592	604
2.5°	639	652	661	668	661	652	639	630	637	664	688
0°	676	686	697	710	697	686	676	676	695	735	770
-2.5°	639	652	661	668	661	652	639	630	637	664	688
-5°	560	566	572	579	572	566	560	562	576	592	604
-7.5°	448	456	456	456	456	456	448	460	481	503	513
-10°	350	340	343	337	343	340	350	348	376	401	413
-12.5°	262	245	250	241	250	245	262	268	269	299	315
-15°	191	183	185	177	185	183	191	202	203	205	225
-17.5°	134	135	134	128	134	135	134	146	152	151	153
-20°	92	95	94	88	94	95	92	101	109	112	109



REPORT NUMBER: P247018 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2725-12-BK-LSL

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	63	65	64	59	64	65	63	66	75	79	77
-25°	42	43	42	39	42	43	42	41	48	52	51
-27.5°	26	27	26	24	26	27	26	24	27	32	32
-30°	15	15	14	13	14	15	15	15	15	18	18
-32.5°	9	9	9	8	9	9	9	9	8	10	10
-35°	6	6	6	6	6	6	6	6	6	6	6
-37.5°	5	5	5	5	5	5	5	4	4	4	4
-40°	3	3	3	3	3	3	3	3	3	3	3
-42.5°	3	3	3	3	3	3	3	2	2	2	2
-45°	2	2	2	2	2	2	2	2	2	2	2
-47.5°	2	2	2	2	2	2	2	2	1	1	1
-50°	1	1	1	1	1	1	1	1	1	1	1
-52.5°	1	1	1	1	1	1	1	1	1	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	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: P247018 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2725-12-BK-LSL

**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	0	0	0	0
50°	1	1	1	1	1	1	1	1	1	0	0
47.5°	1	1	1	1	1	1	1	1	1	1	0
45°	2	1	1	1	1	1	1	1	1	1	1
42.5°	2	2	2	2	2	1	1	1	1	1	1
40°	3	2	2	2	2	2	1	1	1	1	1
37.5°	4	3	3	2	2	2	2	1	1	1	1
35°	6	5	4	4	3	2	2	2	1	1	1
32.5°	9	8	7	5	4	3	3	2	2	1	1
30°	16	13	11	8	7	5	4	3	2	2	1
27.5°	29	22	18	15	11	8	5	4	3	2	1
25°	47	39	33	27	20	12	8	5	4	2	2
22.5°	72	66	58	45	33	21	12	7	4	3	2
20°	106	101	89	72	52	33	18	10	6	4	2
17.5°	158	147	126	102	77	51	29	15	8	4	3
15°	224	204	171	138	105	72	40	19	10	5	3
12.5°	304	271	227	177	134	93	54	28	13	6	4
10°	397	349	289	221	166	115	70	36	17	7	4
7.5°	496	439	358	269	197	137	84	43	21	8	4
5°	590	529	432	317	227	158	97	48	24	9	5
2.5°	680	615	503	363	254	176	108	53	26	10	5
0°	767	692	564	401	276	190	116	56	28	10	5
-2.5°	680	615	503	363	254	176	108	53	26	10	5
-5°	590	529	432	317	227	158	97	48	24	9	5
-7.5°	496	439	358	269	197	137	84	43	21	8	4
-10°	397	349	289	221	166	115	70	36	17	7	4
-12.5°	304	271	227	177	134	93	54	28	13	6	4
-15°	224	204	171	138	105	72	40	19	10	5	3
-17.5°	158	147	126	102	77	51	29	15	8	4	3
-20°	106	101	89	72	52	33	18	10	6	4	2



REPORT NUMBER: P247018 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2725-12-BK-LSL

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	72	66	58	45	33	21	12	7	4	3	2
-25°	47	39	33	27	20	12	8	5	4	2	2
-27.5°	29	22	18	15	11	8	5	4	3	2	1
-30°	16	13	11	8	7	5	4	3	2	2	1
-32.5°	9	8	7	5	4	3	3	2	2	1	1
-35°	6	5	4	4	3	2	2	2	1	1	1
-37.5°	4	3	3	2	2	2	2	1	1	1	1
-40°	3	2	2	2	2	2	1	1	1	1	1
-42.5°	2	2	2	2	2	1	1	1	1	1	1
-45°	2	1	1	1	1	1	1	1	1	1	1
-47.5°	1	1	1	1	1	1	1	1	1	1	0
-50°	1	1	1	1	1	1	1	1	1	0	0
-52.5°	1	1	1	1	1	1	1	0	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: P247018 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2725-12-BK-LSL

**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	0	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°	1	1	1	1	0	0	0	0	0	0	0
25°	1	1	1	1	1	0	0	0	0	0	0
22.5°	1	1	1	1	1	0	0	0	0	0	0
20°	2	1	1	1	1	0	0	0	0	0	0
17.5°	2	1	1	1	1	0	0	0	0	0	0
15°	2	1	1	1	1	0	0	0	0	0	0
12.5°	3	1	1	1	1	1	0	0	0	0	0
10°	3	2	1	1	1	1	0	0	0	0	0
7.5°	3	2	1	1	1	1	0	0	0	0	0
5°	3	2	1	1	1	1	0	0	0	0	0
2.5°	4	2	1	1	1	1	0	0	0	0	0
0°	4	2	1	1	1	1	0	0	0	0	0
-2.5°	4	2	1	1	1	1	0	0	0	0	0
-5°	3	2	1	1	1	1	0	0	0	0	0
-7.5°	3	2	1	1	1	1	0	0	0	0	0
-10°	3	2	1	1	1	1	0	0	0	0	0
-12.5°	3	1	1	1	1	1	0	0	0	0	0
-15°	2	1	1	1	1	0	0	0	0	0	0
-17.5°	2	1	1	1	1	0	0	0	0	0	0
-20°	2	1	1	1	1	0	0	0	0	0	0



REPORT NUMBER: P247018 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2725-12-BK-LSL

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1	1	1	1	1	0	0	0	0	0	0
-25°	1	1	1	1	1	0	0	0	0	0	0
-27.5°	1	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	0	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: P247018 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 203-8LED2725-12-BK-LSL

**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: P247018 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED2725-12-BK-LSL

**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)