

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: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-28)
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-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 2700K 95 CRI 25°NFL LED
SM16-07-25D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

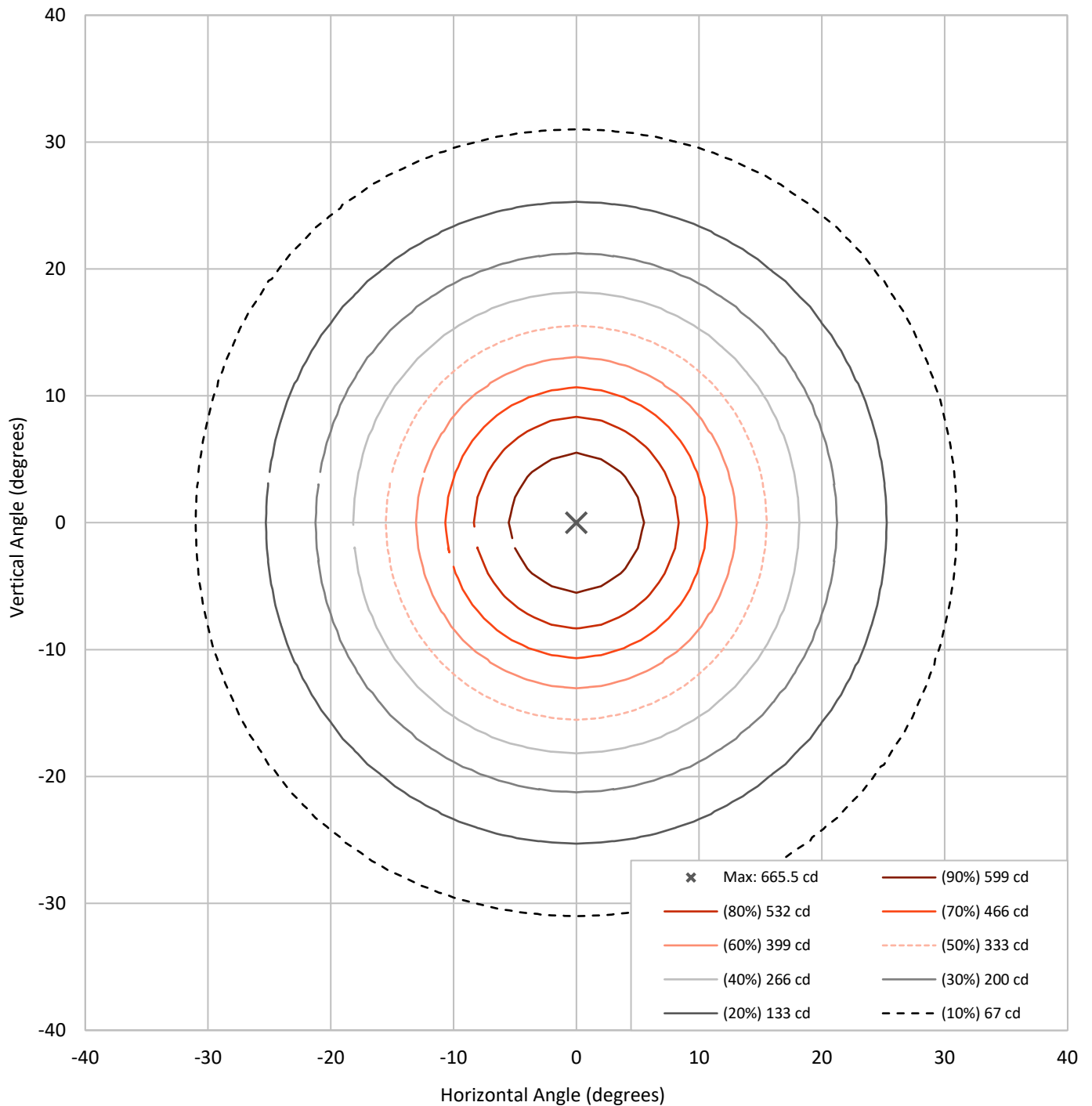
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	243.7 lumens	Max Intensity:	665.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	30.9 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:	106.7 lumens	Field Lumens:	215.3 lumens
Beam Efficiency:	43.8%	Field Efficiency:	88.3%
Input Watts (W):	7.9		
Input Voltage (V):	NR		
Input Current (A _{in}):	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: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





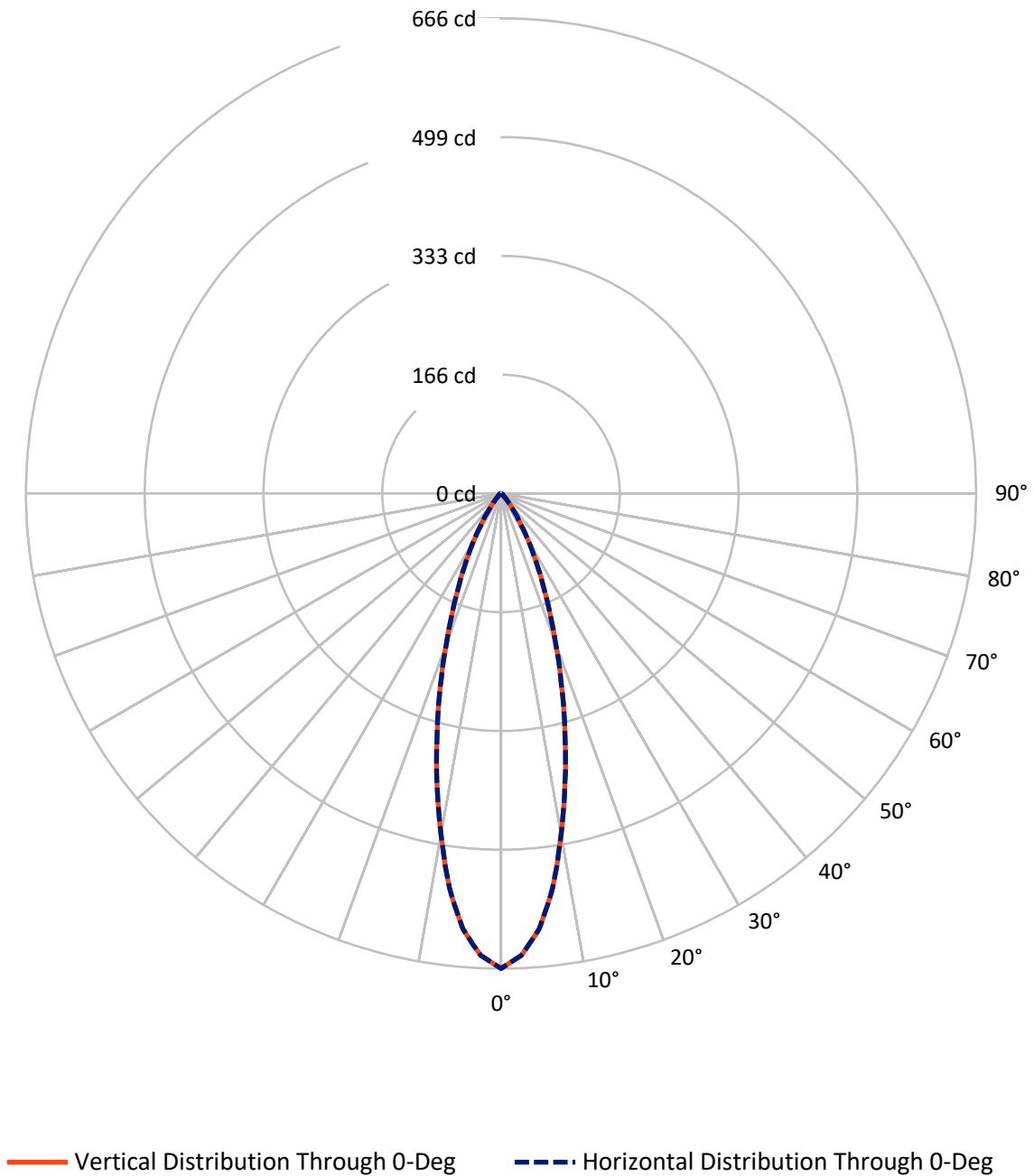
REPORT NUMBER: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90																			
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				
70																			
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	0.0				
50		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					
40	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0				
30		0.0	0.0	0.0	0.1	0.3	0.8	1.1	1.1	0.8	0.3	0.1	0.0	0.0					
20	0.0	0.0	0.0	0.1	0.3	1.1	2.6	4.0	4.0	2.6	1.1	0.3	0.1	0.0	0.0				
10		0.0	0.0	0.1	0.7	2.5	6.0	9.7	9.7	6.0	2.5	0.7	0.1	0.0		0.0			
0	0.0	0.0	0.0	0.2	1.0	3.7	9.5	16.4	16.4	9.5	3.7	1.0	0.2	0.0	0.0				
-10		0.0	0.0	0.2	1.0	3.7	9.5	16.4	16.4	9.5	3.7	1.0	0.2	0.0		0.0			
-20	0.0	0.0	0.0	0.1	0.7	2.5	6.0	9.7	9.7	6.0	2.5	0.7	0.1	0.0	0.0				
-30		0.0	0.0	0.1	0.3	1.1	2.6	4.0	4.0	2.6	1.1	0.3	0.1	0.0		0.0			
-40	0.0	0.0	0.0	0.0	0.1	0.3	0.8	1.1	1.1	0.8	0.3	0.1	0.0	0.0	0.0				
-50		0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.1	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	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			
-80																			
-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				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

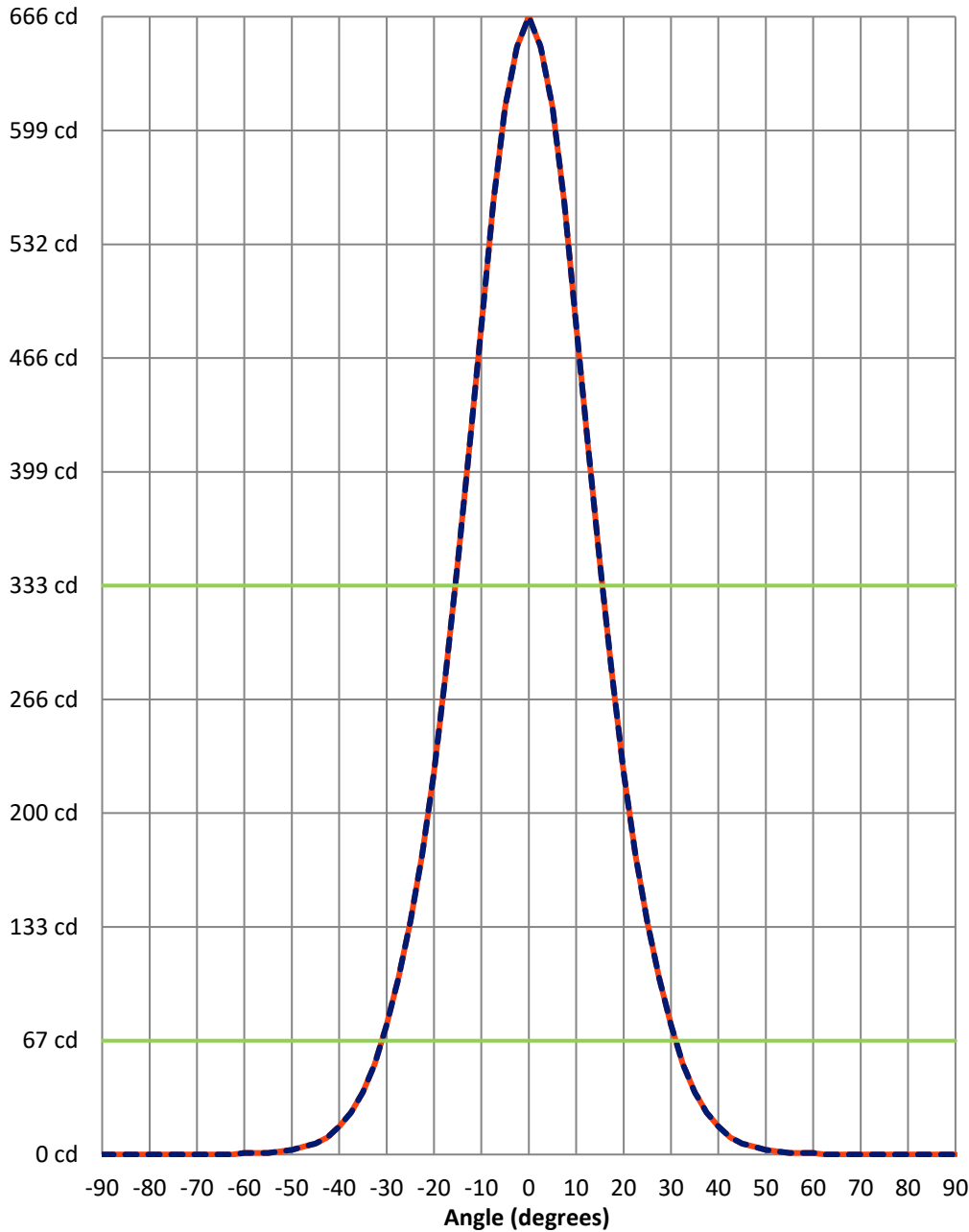
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 31°
 V Angle: 31°
 Lumens: 106.7
 Efficiency: 43.8%

Field:
 H Angle: 62°
 V Angle: 62°
 Lumens: 215.3
 Efficiency: 88.3%

Spill:
 Lumens: 28.4
 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: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED2725-12-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: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)
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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	2
37.5°	0	0	0	0	0	1	1	1	1	2	2
35°	0	0	0	0	1	1	1	1	2	2	3
32.5°	0	0	0	1	1	1	1	1	2	3	4
30°	0	0	0	1	1	1	1	2	3	4	5
27.5°	0	0	0	1	1	1	2	2	3	5	6
25°	0	0	1	1	1	1	2	3	4	6	8
22.5°	0	0	1	1	1	1	2	3	5	6	9
20°	0	0	1	1	1	2	2	4	6	8	12
17.5°	0	0	1	1	1	2	3	5	6	9	14
15°	0	0	1	1	1	2	3	5	7	11	16
12.5°	0	1	1	1	1	2	4	5	8	12	19
10°	0	1	1	1	2	2	4	6	9	14	21
7.5°	0	1	1	1	2	3	4	6	9	15	23
5°	0	1	1	1	2	3	4	6	10	16	24
2.5°	0	1	1	1	2	3	5	6	10	16	24
0°	0	1	1	1	2	3	5	6	10	16	25
-2.5°	0	1	1	1	2	3	5	6	10	16	24
-5°	0	1	1	1	2	3	4	6	10	16	24
-7.5°	0	1	1	1	2	3	4	6	9	15	23
-10°	0	1	1	1	2	2	4	6	9	14	21
-12.5°	0	1	1	1	1	2	4	5	8	12	19
-15°	0	0	1	1	1	2	3	5	7	11	16
-17.5°	0	0	1	1	1	2	3	5	6	9	14
-20°	0	0	1	1	1	2	2	4	6	8	12



REPORT NUMBER: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-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	1	2	3	5	6	9
-25°	0	0	1	1	1	1	2	3	4	6	8
-27.5°	0	0	0	1	1	1	2	2	3	5	6
-30°	0	0	0	1	1	1	1	2	3	4	5
-32.5°	0	0	0	1	1	1	1	1	2	3	4
-35°	0	0	0	0	1	1	1	1	2	2	3
-37.5°	0	0	0	0	0	1	1	1	1	2	2
-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	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: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)
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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	2
50°	1	1	1	1	1	1	2	2	2	2	2
47.5°	1	1	1	2	2	2	2	3	3	4	4
45°	1	1	2	2	3	3	4	5	5	5	6
42.5°	2	2	3	3	4	5	6	6	7	8	9
40°	2	3	4	5	6	6	8	9	11	12	14
37.5°	3	4	5	6	8	9	12	14	16	19	21
35°	4	5	7	9	11	14	17	21	24	27	31
32.5°	5	7	9	12	16	20	24	30	34	39	44
30°	7	9	13	17	22	28	34	41	48	55	62
27.5°	9	12	17	23	29	37	46	55	66	76	85
25°	11	16	22	29	38	49	61	74	88	100	112
22.5°	14	20	28	37	49	63	78	95	112	128	144
20°	17	24	34	46	61	78	98	118	139	160	180
17.5°	21	30	41	55	74	95	118	143	169	197	222
15°	24	34	48	66	88	112	139	169	203	237	271
12.5°	27	39	55	76	100	128	160	197	237	280	322
10°	31	44	62	85	112	144	180	222	271	322	370
7.5°	33	48	68	93	122	157	198	247	302	358	415
5°	35	51	72	99	130	167	212	266	326	388	452
2.5°	36	52	75	102	134	173	221	278	341	408	476
0°	37	53	76	103	136	175	224	282	346	414	485
-2.5°	36	52	75	102	134	173	221	278	341	408	476
-5°	35	51	72	99	130	167	212	266	326	388	452
-7.5°	33	48	68	93	122	157	198	247	302	358	415
-10°	31	44	62	85	112	144	180	222	271	322	370
-12.5°	27	39	55	76	100	128	160	197	237	280	322
-15°	24	34	48	66	88	112	139	169	203	237	271
-17.5°	21	30	41	55	74	95	118	143	169	197	222
-20°	17	24	34	46	61	78	98	118	139	160	180



REPORT NUMBER: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	14	20	28	37	49	63	78	95	112	128	144
-25°	11	16	22	29	38	49	61	74	88	100	112
-27.5°	9	12	17	23	29	37	46	55	66	76	85
-30°	7	9	13	17	22	28	34	41	48	55	62
-32.5°	5	7	9	12	16	20	24	30	34	39	44
-35°	4	5	7	9	11	14	17	21	24	27	31
-37.5°	3	4	5	6	8	9	12	14	16	19	21
-40°	2	3	4	5	6	6	8	9	11	12	14
-42.5°	2	2	3	3	4	5	6	6	7	8	9
-45°	1	1	2	2	3	3	4	5	5	5	6
-47.5°	1	1	1	2	2	2	2	3	3	4	4
-50°	1	1	1	1	1	1	2	2	2	2	2
-52.5°	1	1	1	1	1	1	1	1	1	1	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	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: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-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	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°	2	2	2	2	2	2	2	2	1	1	1
50°	3	3	3	3	3	3	3	2	2	2	2
47.5°	4	4	5	5	5	4	4	4	4	3	3
45°	6	6	6	6	6	6	6	6	5	5	5
42.5°	9	10	10	10	10	10	9	9	8	7	6
40°	15	16	16	16	16	16	15	14	12	11	9
37.5°	23	24	24	25	24	24	23	21	19	16	14
35°	33	35	36	37	36	35	33	31	27	24	21
32.5°	48	51	52	53	52	51	48	44	39	34	30
30°	68	72	75	76	75	72	68	62	55	48	41
27.5°	93	99	102	103	102	99	93	85	76	66	55
25°	122	130	134	136	134	130	122	112	100	88	74
22.5°	157	167	173	175	173	167	157	144	128	112	95
20°	198	212	221	224	221	212	198	180	160	139	118
17.5°	247	266	278	282	278	266	247	222	197	169	143
15°	302	326	341	346	341	326	302	271	237	203	169
12.5°	358	388	408	414	408	388	358	322	280	237	197
10°	415	452	476	485	476	452	415	370	322	271	222
7.5°	468	515	546	556	546	515	468	415	358	302	247
5°	515	568	601	613	601	568	515	452	388	326	266
2.5°	546	601	635	648	635	601	546	476	408	341	278
0°	556	613	648	666	648	613	556	485	414	346	282
-2.5°	546	601	635	648	635	601	546	476	408	341	278
-5°	515	568	601	613	601	568	515	452	388	326	266
-7.5°	468	515	546	556	546	515	468	415	358	302	247
-10°	415	452	476	485	476	452	415	370	322	271	222
-12.5°	358	388	408	414	408	388	358	322	280	237	197
-15°	302	326	341	346	341	326	302	271	237	203	169
-17.5°	247	266	278	282	278	266	247	222	197	169	143
-20°	198	212	221	224	221	212	198	180	160	139	118



REPORT NUMBER: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	157	167	173	175	173	167	157	144	128	112	95
-25°	122	130	134	136	134	130	122	112	100	88	74
-27.5°	93	99	102	103	102	99	93	85	76	66	55
-30°	68	72	75	76	75	72	68	62	55	48	41
-32.5°	48	51	52	53	52	51	48	44	39	34	30
-35°	33	35	36	37	36	35	33	31	27	24	21
-37.5°	23	24	24	25	24	24	23	21	19	16	14
-40°	15	16	16	16	16	16	15	14	12	11	9
-42.5°	9	10	10	10	10	10	9	9	8	7	6
-45°	6	6	6	6	6	6	6	6	5	5	5
-47.5°	4	4	5	5	5	4	4	4	4	3	3
-50°	3	3	3	3	3	3	3	2	2	2	2
-52.5°	2	2	2	2	2	2	2	2	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: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-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	0	0	0	0
50°	2	1	1	1	1	1	1	1	1	0	0
47.5°	2	2	2	2	1	1	1	1	1	1	0
45°	4	3	3	2	2	1	1	1	1	1	1
42.5°	6	5	4	3	3	2	2	1	1	1	1
40°	8	6	6	5	4	3	2	2	1	1	1
37.5°	12	9	8	6	5	4	3	2	2	1	1
35°	17	14	11	9	7	5	4	3	2	2	1
32.5°	24	20	16	12	9	7	5	4	3	2	1
30°	34	28	22	17	13	9	7	5	4	3	2
27.5°	46	37	29	23	17	12	9	6	5	3	2
25°	61	49	38	29	22	16	11	8	6	4	3
22.5°	78	63	49	37	28	20	14	9	6	5	3
20°	98	78	61	46	34	24	17	12	8	6	4
17.5°	118	95	74	55	41	30	21	14	9	6	5
15°	139	112	88	66	48	34	24	16	11	7	5
12.5°	160	128	100	76	55	39	27	19	12	8	5
10°	180	144	112	85	62	44	31	21	14	9	6
7.5°	198	157	122	93	68	48	33	23	15	9	6
5°	212	167	130	99	72	51	35	24	16	10	6
2.5°	221	173	134	102	75	52	36	24	16	10	6
0°	224	175	136	103	76	53	37	25	16	10	6
-2.5°	221	173	134	102	75	52	36	24	16	10	6
-5°	212	167	130	99	72	51	35	24	16	10	6
-7.5°	198	157	122	93	68	48	33	23	15	9	6
-10°	180	144	112	85	62	44	31	21	14	9	6
-12.5°	160	128	100	76	55	39	27	19	12	8	5
-15°	139	112	88	66	48	34	24	16	11	7	5
-17.5°	118	95	74	55	41	30	21	14	9	6	5
-20°	98	78	61	46	34	24	17	12	8	6	4



REPORT NUMBER: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-BK-DIFF

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	78	63	49	37	28	20	14	9	6	5	3
-25°	61	49	38	29	22	16	11	8	6	4	3
-27.5°	46	37	29	23	17	12	9	6	5	3	2
-30°	34	28	22	17	13	9	7	5	4	3	2
-32.5°	24	20	16	12	9	7	5	4	3	2	1
-35°	17	14	11	9	7	5	4	3	2	2	1
-37.5°	12	9	8	6	5	4	3	2	2	1	1
-40°	8	6	6	5	4	3	2	2	1	1	1
-42.5°	6	5	4	3	3	2	2	1	1	1	1
-45°	4	3	3	2	2	1	1	1	1	1	1
-47.5°	2	2	2	2	1	1	1	1	1	1	0
-50°	2	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: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-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	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°	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	1	1	1	1	0	0	0	0	0	0
20°	2	2	1	1	1	0	0	0	0	0	0
17.5°	3	2	1	1	1	0	0	0	0	0	0
15°	3	2	1	1	1	0	0	0	0	0	0
12.5°	4	2	1	1	1	1	0	0	0	0	0
10°	4	2	2	1	1	1	0	0	0	0	0
7.5°	4	3	2	1	1	1	0	0	0	0	0
5°	4	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°	4	3	2	1	1	1	0	0	0	0	0
-7.5°	4	3	2	1	1	1	0	0	0	0	0
-10°	4	2	2	1	1	1	0	0	0	0	0
-12.5°	4	2	1	1	1	1	0	0	0	0	0
-15°	3	2	1	1	1	0	0	0	0	0	0
-17.5°	3	2	1	1	1	0	0	0	0	0	0
-20°	2	2	1	1	1	0	0	0	0	0	0



REPORT NUMBER: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-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	1	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	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: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2725-12-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: P247017 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED2725-12-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)