

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P629302

Luminaire Tested: GWS-SA1B-735-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629302  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-735-U-SLR-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

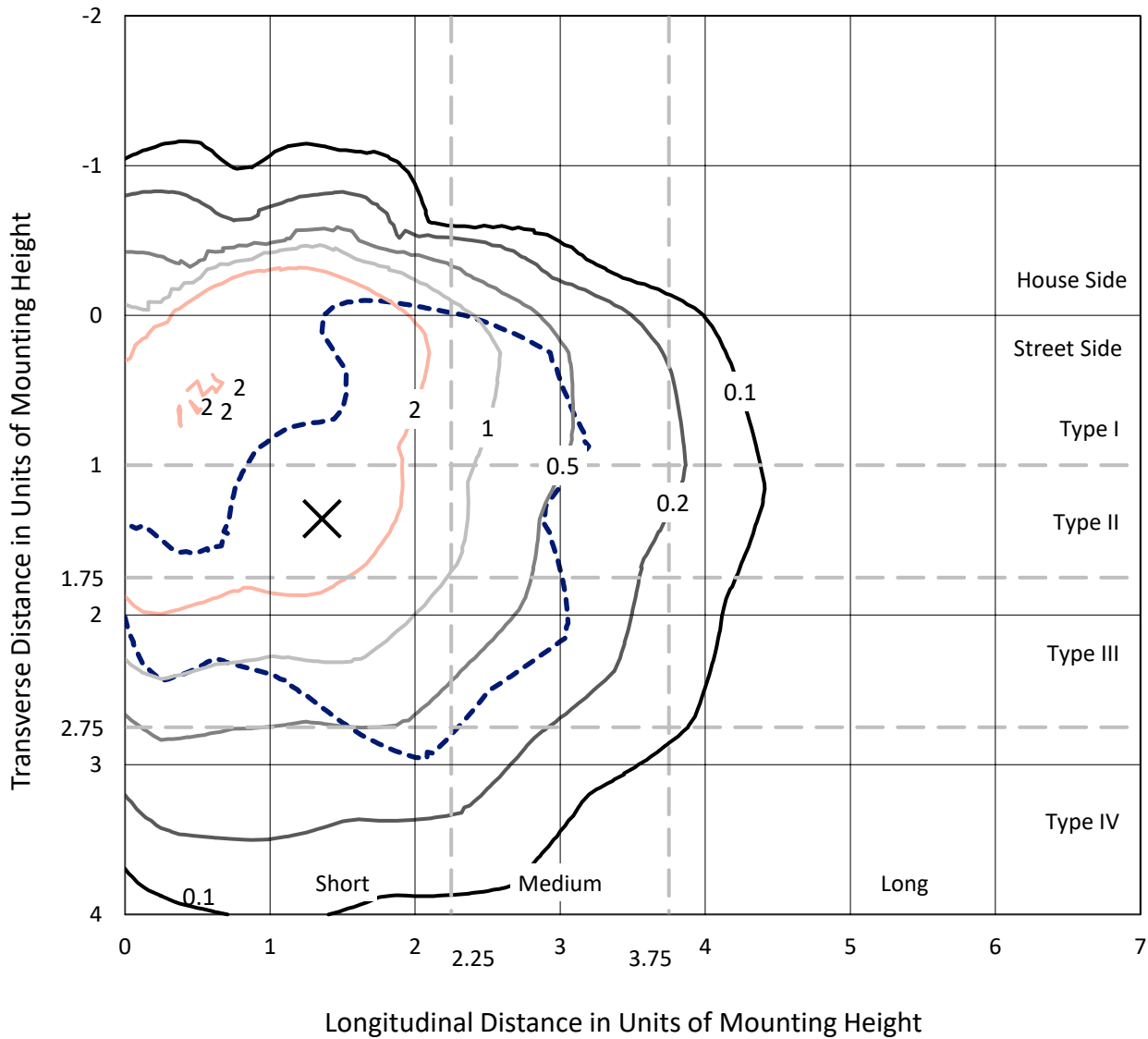
Lumens per Lamp: N/A  
Luminaire Lumens: 2193.7 lumens  
Efficiency: N/A  
Efficacy: 87.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

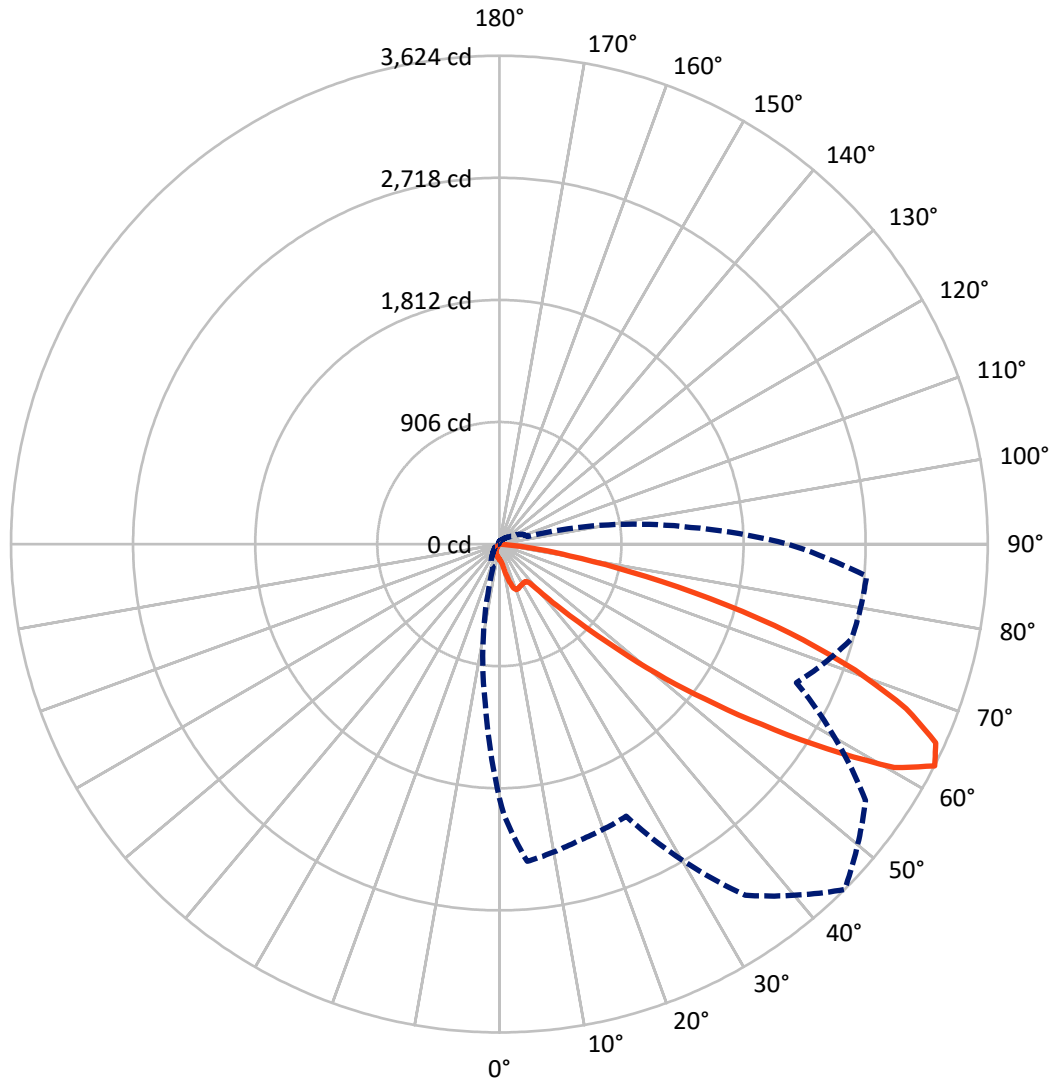
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	270.7	0.0	270.7
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	1923.0	0.0	1923.0
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	2193.7	0.0	2193.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.1	0.5
10°-20°	38.2	1.7
20°-30°	83.1	3.8
30°-40°	136.5	6.2
40°-50°	250.9	11.4
50°-60°	538.7	24.6
60°-70°	723.6	33.0
70°-80°	376.8	17.2
80°-90°	35.7	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2193.7	100.0
0°-180°	2193.7	100.0

**Coefficient of Utilization**



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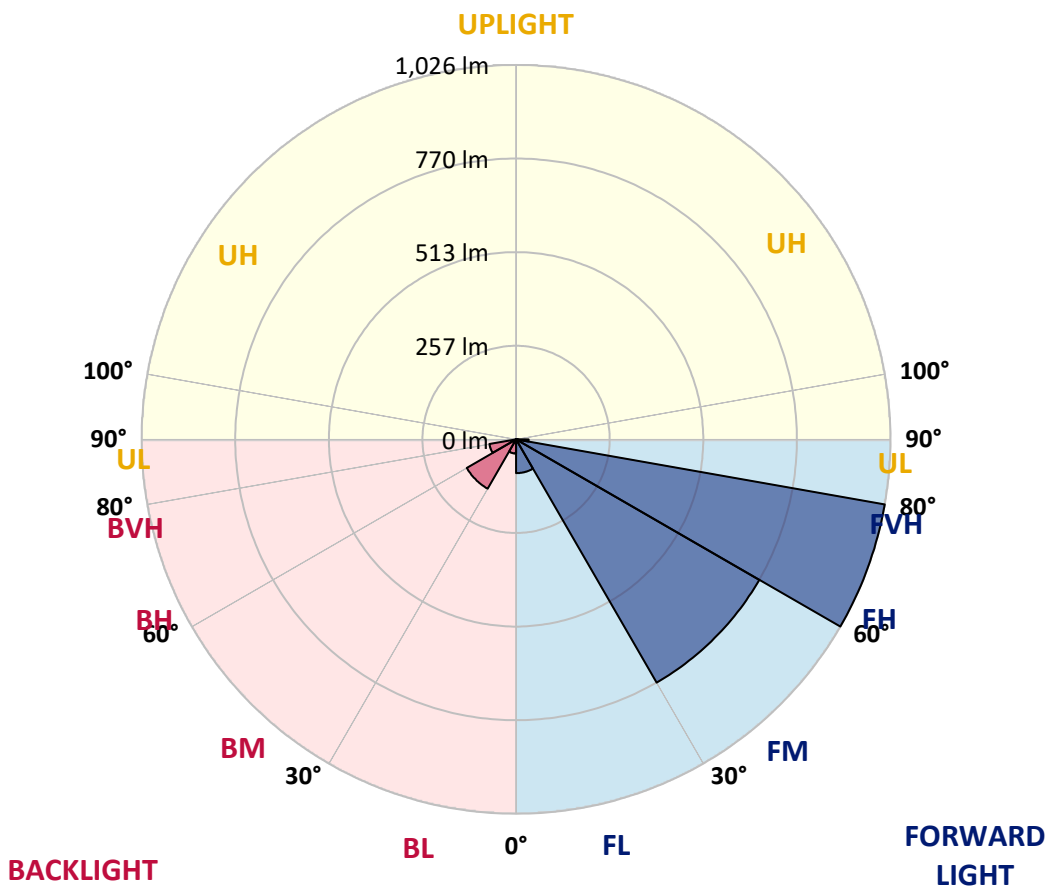
CATALOG NUMBER: GWS-SA1B-735-U-SLR-W-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.7	4.2			
FM (30°-60°)	770.0	35.1			
FH (60°-80°)	1026.2	46.8			G1/1800
FVH (80°-90°)	34.1	1.6			G1/100
BL (0°-30°)	38.8	1.8	B0/110		
BM (30°-60°)	156.1	7.1	B0/220		
BH (60°-80°)	74.2	3.4	B0/110		G0/110
BVH (80°-90°)	1.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0
2.5°	116.3	116.8	117.3	119.1	120.4	121.4	121.6	120.9	119.1	117.3	114.8
5°	112.8	113.3	115.0	119.9	124.7	128.5	129.7	129.0	124.7	119.1	113.3
7.5°	112.5	113.5	117.8	128.0	138.4	146.2	148.2	146.5	138.4	127.2	115.3
10°	121.6	123.4	129.7	148.0	167.0	180.9	186.5	178.9	166.0	145.7	126.2
12.5°	145.4	148.5	160.7	187.3	216.7	235.1	242.7	233.4	213.1	183.7	152.8
15°	182.9	187.5	205.8	245.5	280.3	296.7	299.3	293.9	270.4	237.9	196.4
17.5°	235.9	242.5	270.9	311.4	336.5	342.3	341.6	336.0	318.8	296.5	257.2
20°	299.3	307.1	335.0	368.4	371.0	364.1	360.3	357.0	351.2	347.4	316.7
22.5°	363.1	372.7	401.9	410.2	387.4	367.7	358.3	360.8	369.4	388.2	375.8
25°	426.7	435.8	463.2	440.6	395.0	362.1	350.2	356.3	376.8	417.3	433.3
27.5°	501.0	507.8	524.0	461.4	396.3	357.5	345.9	355.3	380.3	435.6	496.4
30°	578.2	582.3	574.4	467.0	392.0	350.7	341.6	355.3	386.4	447.7	543.8
32.5°	635.0	635.8	610.2	467.5	389.7	345.1	337.5	353.7	392.3	457.9	589.6
35°	693.5	689.7	644.4	475.1	395.8	347.1	340.6	358.0	401.4	469.8	629.9
37.5°	752.8	746.0	682.6	487.5	411.5	369.2	365.1	380.1	416.1	486.3	674.3
40°	813.6	804.3	722.4	506.3	446.5	444.2	458.1	456.4	456.4	507.3	719.9
42.5°	887.9	877.0	781.2	559.2	528.1	579.0	617.0	593.4	549.9	555.7	779.2
45°	985.9	976.6	883.1	660.6	656.0	773.1	824.3	777.7	669.2	667.4	878.3
47.5°	1142.8	1141.0	1045.5	778.2	812.6	1020.2	1119.0	1029.3	805.3	785.8	1065.8
50°	1363.2	1357.9	1248.0	916.0	998.9	1326.3	1502.6	1353.1	969.7	923.9	1316.9
52.5°	1611.6	1617.1	1531.5	1066.5	1196.8	1666.8	1912.4	1724.1	1148.4	1099.5	1632.9
55°	1845.5	1877.4	1854.8	1242.6	1390.1	2042.8	2362.4	2131.0	1369.6	1329.3	1987.1
57.5°	2028.4	2118.4	2276.5	1498.6	1617.4	2482.7	2864.9	2572.2	1627.8	1702.5	2469.3
60°	2038.5	2157.6	2524.8	2034.0	1909.8	2860.0	3366.6	3003.2	2033.7	2336.3	2847.1
62.5°	1885.7	2013.5	2363.1	2277.2	2228.3	3181.1	3624.0	3317.4	2433.1	2707.5	2735.1
65°	1710.9	1839.9	2182.7	2001.3	2191.3	3167.4	3558.6	3324.8	2469.3	2455.1	2534.7
67.5°	1446.6	1562.4	1872.8	1771.5	2019.8	3014.6	3256.6	3115.2	2275.0	2296.2	2331.7
70°	1055.9	1167.4	1455.5	1460.6	1763.9	2739.2	2798.2	2778.7	2095.0	2117.6	2016.2
72.5°	762.7	856.7	1105.3	1197.8	1408.1	2297.0	2256.2	2331.5	1797.6	1886.0	1619.4
75°	548.3	618.8	810.9	1041.9	1116.2	1705.8	1615.1	1805.7	1442.3	1624.0	1217.5
77.5°	222.5	247.3	319.0	701.9	733.6	1147.6	988.7	1311.6	1028.3	1067.0	590.2
80°	9.1	10.1	13.2	362.4	503.0	645.6	529.1	701.1	679.1	429.8	139.4
82.5°	1.0	1.0	2.3	104.4	220.2	356.3	249.3	403.9	343.9	182.2	63.3
85°	0.3	0.3	0.5	11.9	51.7	57.0	33.7	123.9	159.9	74.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.3	2.5	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0
2.5°	114.8	113.5	112.0	110.5	109.7	107.7	106.9	106.4	105.9	106.2	106.2
5°	111.0	108.2	104.9	101.6	99.8	97.8	96.8	96.3	96.5	97.6	97.6
7.5°	110.5	105.2	98.1	93.8	91.7	90.2	89.2	88.7	88.9	90.2	90.7
10°	118.8	109.5	96.8	89.4	87.2	85.6	84.6	83.9	83.4	84.4	84.6
12.5°	136.8	123.9	102.9	88.9	84.9	82.9	82.1	80.6	79.8	80.3	80.6
15°	174.1	151.8	115.0	91.0	82.9	80.6	79.3	78.0	76.8	76.5	76.8
17.5°	222.7	190.8	133.5	95.8	81.3	78.6	76.8	75.0	73.2	73.0	72.7
20°	283.0	238.7	159.4	103.4	80.1	76.8	74.2	71.7	69.4	68.7	68.7
22.5°	338.0	296.5	192.6	112.8	78.3	74.2	71.2	68.2	65.6	64.4	64.1
25°	405.2	357.8	232.4	123.7	75.8	70.9	67.7	64.6	62.1	60.6	60.1
27.5°	472.8	422.4	277.5	137.8	72.7	67.7	64.6	61.8	59.0	57.3	56.8
30°	538.5	492.1	328.1	155.6	70.4	64.4	61.8	59.0	56.5	53.7	53.0
32.5°	608.9	563.3	384.9	175.3	68.7	62.1	59.3	56.8	53.5	50.9	49.7
35°	676.8	636.8	447.5	194.6	66.9	60.1	57.0	54.5	50.9	48.1	46.4
37.5°	745.2	711.5	512.9	206.3	64.4	57.3	54.5	52.5	48.4	45.1	43.1
40°	817.7	788.8	583.6	201.4	62.1	54.2	52.7	50.4	45.9	42.1	39.5
42.5°	897.3	862.5	655.5	182.9	60.1	51.7	50.2	47.9	43.6	39.0	35.7
45°	997.4	943.4	714.6	155.1	61.1	49.2	46.1	45.6	41.6	35.7	31.7
47.5°	1169.4	1067.5	760.4	137.1	67.9	46.4	42.8	44.1	39.8	32.4	27.9
50°	1432.7	1273.3	803.3	135.8	78.3	45.1	39.8	43.1	38.0	29.1	24.6
52.5°	1683.5	1482.3	830.6	147.0	87.4	48.4	36.7	41.8	36.7	26.9	22.3
55°	1923.5	1603.0	781.7	155.1	96.0	58.3	34.5	39.8	35.2	25.6	21.5
57.5°	2182.2	1656.7	615.5	171.5	102.1	66.6	35.0	36.7	33.2	24.8	21.3
60°	2259.5	1588.0	371.5	193.1	98.8	69.2	38.8	32.7	30.4	23.3	20.5
62.5°	2139.4	1425.1	219.2	175.9	96.0	65.4	44.3	30.2	27.6	21.3	19.0
65°	1959.7	1203.9	142.9	148.5	101.9	58.3	47.1	28.9	25.1	19.3	16.7
67.5°	1754.5	969.7	100.1	87.7	94.0	52.5	39.8	28.6	22.6	16.2	13.7
70°	1477.8	726.2	70.4	58.0	78.3	46.6	30.9	27.9	19.8	13.2	10.6
72.5°	1141.8	454.6	52.5	37.5	55.7	38.0	24.6	23.6	16.0	10.9	8.1
75°	842.0	259.2	37.0	27.1	36.7	28.9	18.2	16.7	13.7	10.4	7.3
77.5°	439.6	129.7	23.1	20.8	21.0	18.0	13.2	12.2	12.7	10.4	6.8
80°	84.4	25.8	13.9	15.2	11.4	11.4	9.6	10.1	11.1	8.4	5.8
82.5°	35.2	5.6	7.6	8.6	7.1	7.9	7.9	8.1	7.9	6.1	4.3
85°	0.0	0.0	3.3	3.5	4.8	4.8	4.1	4.1	4.1	3.5	2.5
87.5°	0.0	0.0	0.0	0.0	0.3	0.8	1.5	1.8	2.0	1.5	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0
2.5°	105.9	105.4	106.2	106.7	107.2	107.2	106.7	106.2	105.4	106.2	105.4
5°	97.8	98.6	99.8	100.3	100.9	99.8	99.3	97.8	96.5	96.8	96.3
7.5°	91.5	92.2	93.8	94.8	94.8	94.3	92.7	91.2	89.2	89.2	88.9
10°	85.6	86.7	88.4	89.7	90.2	89.7	88.2	86.2	84.4	84.4	83.6
12.5°	80.8	82.1	84.1	85.9	86.4	85.9	84.4	82.4	80.3	80.3	79.8
15°	76.8	78.3	80.6	82.6	83.4	82.6	80.8	78.3	76.3	76.5	75.8
17.5°	73.0	74.2	77.3	79.6	80.3	79.6	77.3	74.0	72.0	72.5	72.0
20°	68.7	70.2	73.2	75.8	76.5	75.8	73.2	69.7	67.7	67.7	67.9
22.5°	64.1	65.6	68.7	70.4	71.5	70.7	68.2	64.9	62.8	62.8	63.1
25°	60.1	60.8	63.1	64.9	65.1	64.4	62.3	59.8	58.3	59.0	59.3
27.5°	56.3	56.3	57.3	58.3	58.0	57.3	56.5	54.5	54.2	55.0	55.7
30°	52.2	50.9	50.4	49.7	49.4	49.2	49.9	49.9	50.4	51.4	52.2
32.5°	48.7	46.1	43.8	41.6	40.3	41.3	43.3	45.1	46.9	48.4	49.2
35°	44.6	40.5	36.7	33.7	31.7	33.2	36.5	39.8	42.8	44.9	46.1
37.5°	40.5	34.7	30.2	26.4	24.8	26.1	29.6	34.2	38.8	41.3	43.1
40°	36.2	28.9	23.6	20.5	19.0	20.3	23.8	28.4	34.5	37.8	40.0
42.5°	31.9	23.8	19.0	16.0	15.2	16.0	18.8	23.3	29.9	34.0	37.0
45°	27.6	19.8	15.2	12.9	12.2	12.9	15.2	19.0	25.6	30.2	33.7
47.5°	23.8	16.7	12.7	10.6	10.1	10.9	12.7	16.0	21.5	26.1	30.2
50°	20.8	14.7	10.9	9.1	8.6	9.4	10.9	13.4	18.2	22.3	26.6
52.5°	18.8	13.7	9.6	7.9	7.6	8.1	9.4	11.4	15.5	19.0	23.1
55°	18.2	13.7	8.9	7.1	6.8	7.3	8.4	9.9	13.4	16.5	20.0
57.5°	18.8	14.7	8.4	6.1	5.8	6.3	7.3	8.6	11.7	14.2	17.5
60°	18.8	15.0	7.3	4.8	4.6	5.1	6.1	7.6	10.4	12.4	15.2
62.5°	17.0	13.7	6.1	3.8	3.3	3.8	5.1	6.3	9.1	11.1	13.4
65°	14.7	11.7	5.1	2.8	2.3	2.8	4.1	5.3	7.9	9.6	12.2
67.5°	11.9	8.9	3.8	2.0	1.5	2.0	3.0	4.3	6.6	8.4	10.9
70°	8.9	6.3	3.0	1.8	1.5	1.8	2.8	4.1	5.8	7.6	10.1
72.5°	6.6	4.3	2.5	1.8	1.3	1.8	2.5	3.8	5.6	7.3	9.6
75°	5.6	3.5	2.3	1.5	1.3	1.5	2.3	3.5	5.1	6.8	9.1
77.5°	5.3	3.3	2.0	1.3	1.0	1.3	2.0	3.0	4.6	6.3	8.9
80°	4.6	2.8	1.8	1.0	0.8	1.0	1.8	2.5	3.5	4.8	6.8
82.5°	3.5	2.3	1.3	0.5	0.3	0.5	1.3	1.5	2.3	2.8	4.1
85°	2.3	1.3	0.5	0.0	0.0	0.0	0.5	1.0	1.0	1.3	2.0
87.5°	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0
2.5°	106.9	107.2	107.7	108.5	110.2	111.7	113.3	115.3	116.3	116.3
5°	96.8	97.0	97.3	98.3	100.9	102.9	106.2	110.2	112.3	112.8
7.5°	88.9	89.4	90.0	90.7	93.2	96.0	100.3	107.9	111.7	112.5
10°	84.4	85.1	86.2	87.7	90.0	93.0	100.3	114.0	120.4	121.6
12.5°	80.8	82.1	83.1	84.9	87.7	92.5	107.2	131.3	142.4	145.4
15°	77.3	78.8	80.3	82.1	85.1	94.3	120.4	162.2	180.7	182.9
17.5°	73.7	75.5	77.5	79.6	83.4	98.6	141.1	205.0	230.8	235.9
20°	69.7	72.0	74.8	77.3	81.6	105.4	170.0	255.9	288.4	299.3
22.5°	65.4	68.2	71.5	74.8	79.6	113.8	205.0	310.7	356.0	363.1
25°	61.8	64.6	67.7	70.9	76.3	123.9	247.3	378.6	419.9	426.7
27.5°	58.5	61.3	64.1	67.1	73.0	137.1	298.2	450.8	493.9	501.0
30°	55.0	58.3	61.1	64.1	69.9	153.3	357.0	530.9	571.7	578.2
32.5°	51.9	55.2	58.0	61.1	67.7	171.0	418.9	601.8	635.0	635.0
35°	49.4	53.0	55.0	59.0	65.9	182.4	477.4	669.5	694.5	693.5
37.5°	46.6	50.9	52.5	55.2	63.6	183.7	532.4	740.9	759.4	752.8
40°	43.8	48.4	50.7	52.2	61.1	173.3	592.7	806.5	822.3	813.6
42.5°	41.3	44.9	48.1	49.9	59.5	155.1	641.1	876.7	895.5	887.9
45°	38.8	41.8	43.8	47.1	60.6	142.4	682.6	958.6	991.5	985.9
47.5°	36.2	38.8	40.0	45.1	67.4	136.6	708.0	1085.3	1147.4	1142.8
50°	33.4	36.5	36.5	44.6	77.5	138.6	730.0	1268.7	1364.8	1363.2
52.5°	30.7	34.0	33.4	48.4	85.4	148.0	755.1	1430.7	1597.6	1611.6
55°	27.9	30.9	31.4	56.0	90.0	156.1	658.1	1498.8	1796.6	1845.5
57.5°	24.8	26.6	32.7	61.8	88.4	179.7	450.8	1511.2	1923.5	2028.4
60°	21.5	23.1	37.0	60.6	83.6	166.0	283.8	1399.7	1905.5	2038.5
62.5°	18.8	21.3	39.0	53.5	85.1	143.9	180.9	1193.0	1734.0	1885.7
65°	16.5	20.5	35.5	48.4	86.2	97.6	122.1	970.5	1566.5	1710.9
67.5°	14.7	22.8	29.1	43.1	74.0	68.7	83.9	754.1	1317.1	1446.6
70°	13.4	23.3	23.8	37.0	57.3	44.1	55.2	507.5	907.9	1055.9
72.5°	12.2	17.2	18.0	29.6	37.0	26.9	35.7	290.4	661.9	762.7
75°	11.7	11.7	12.4	19.3	20.5	19.5	23.1	173.3	474.6	548.3
77.5°	10.9	8.9	7.9	12.4	11.1	13.9	13.7	77.0	205.8	222.5
80°	8.6	6.3	5.3	7.9	7.6	9.4	8.1	6.3	9.4	9.1
82.5°	5.3	4.1	3.8	4.8	4.3	4.8	3.8	1.0	1.0	1.0
85°	2.5	2.3	2.0	2.0	2.3	2.0	1.5	0.5	0.3	0.3
87.5°	1.3	1.3	1.0	0.8	1.0	1.0	0.8	0.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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