

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: P630288

Luminaire Tested: GWS-SA1D-735-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630288  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-735-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

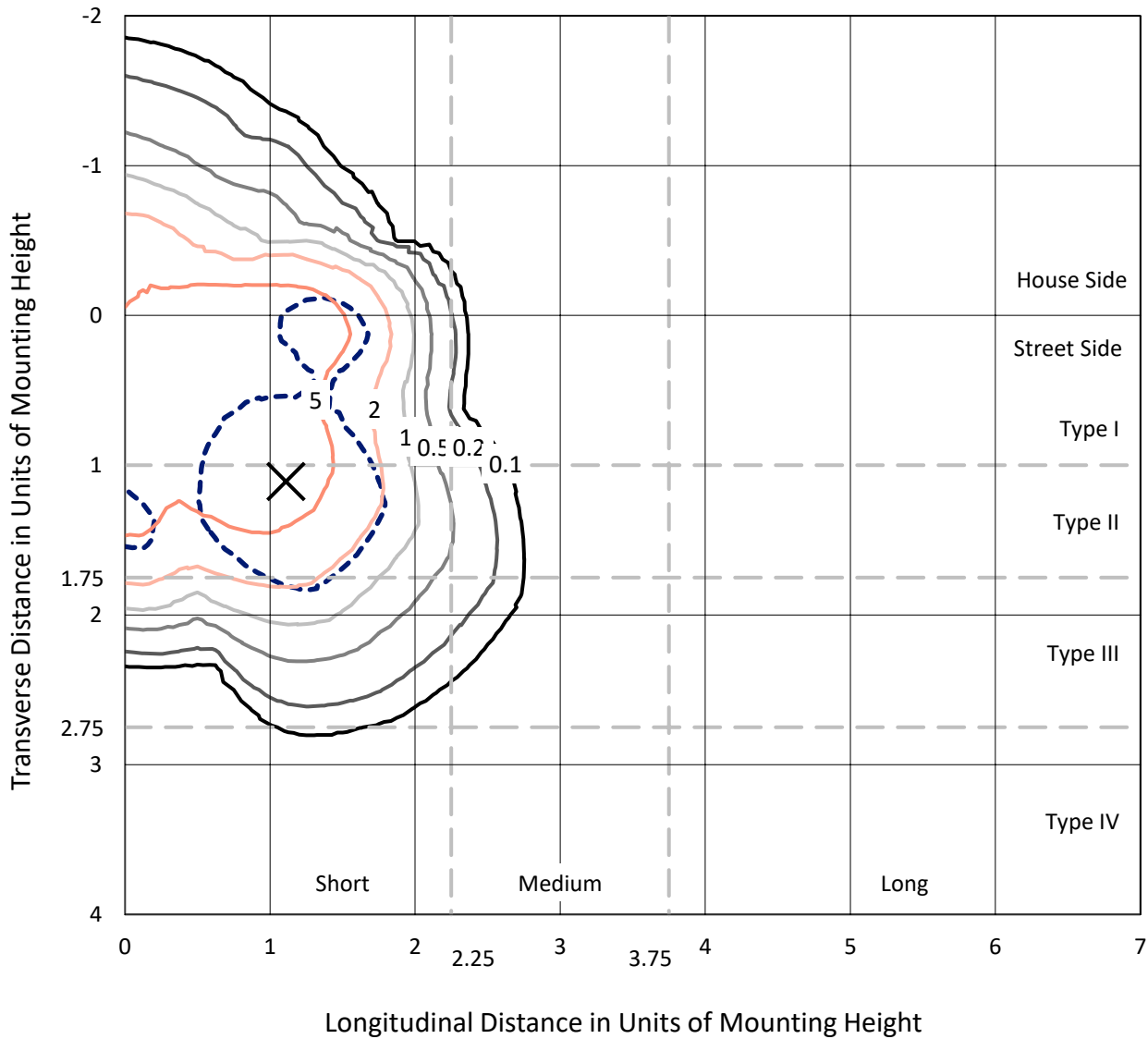
Lumens per Lamp: N/A  
Luminaire Lumens: 3190.7 lumens  
Efficiency: N/A  
Efficacy: 72.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

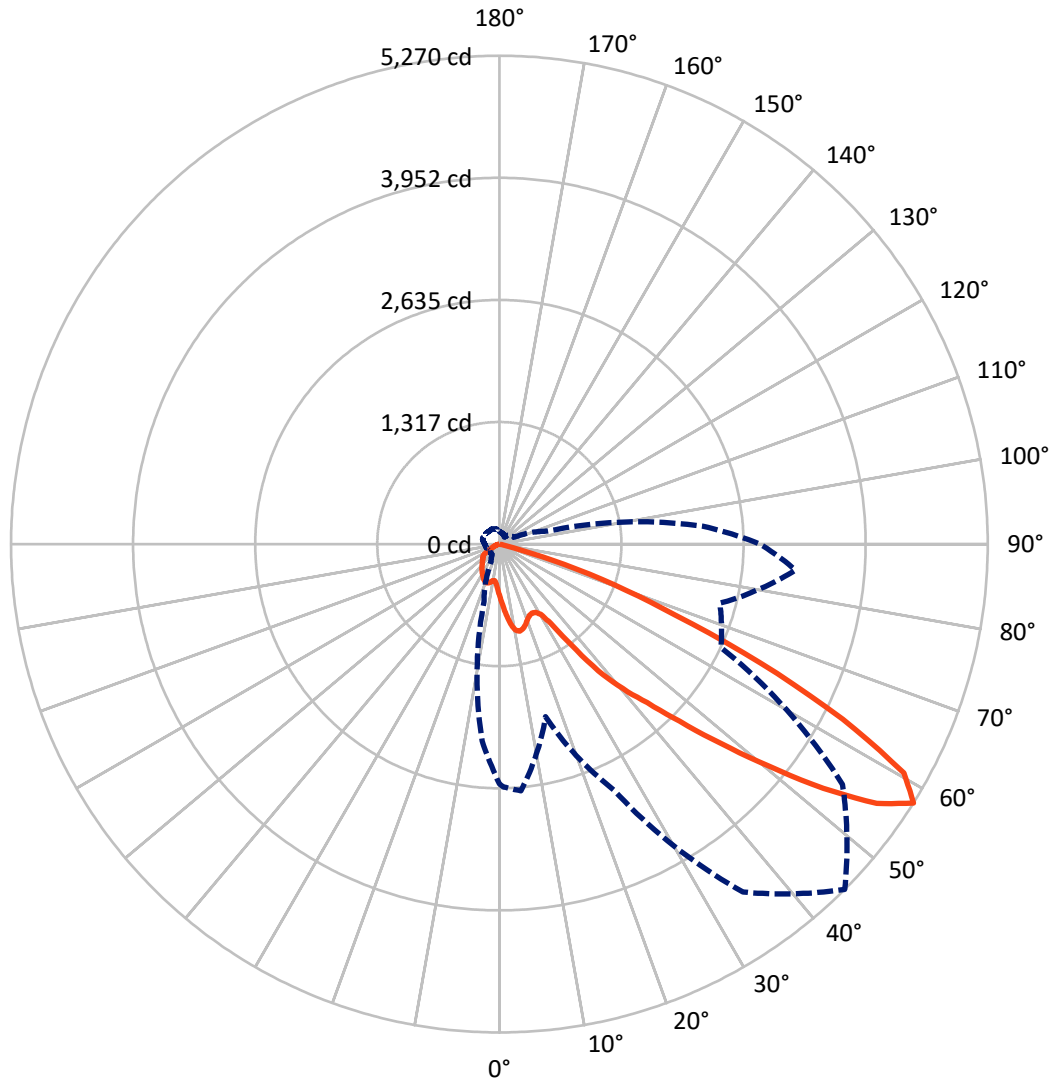
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	714.5	0.0	714.5
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	2476.2	0.0	2476.2
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	3190.7	0.0	3190.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.2	1.7
10°-20°	178.5	5.6
20°-30°	289.9	9.1
30°-40°	448.0	14.0
40°-50°	718.3	22.5
50°-60°	981.7	30.8
60°-70°	475.5	14.9
70°-80°	43.5	1.4
80°-90°	0.1	0.0
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°	3190.7	100.0
0°-180°	3190.7	100.0

**Coefficient of Utilization**



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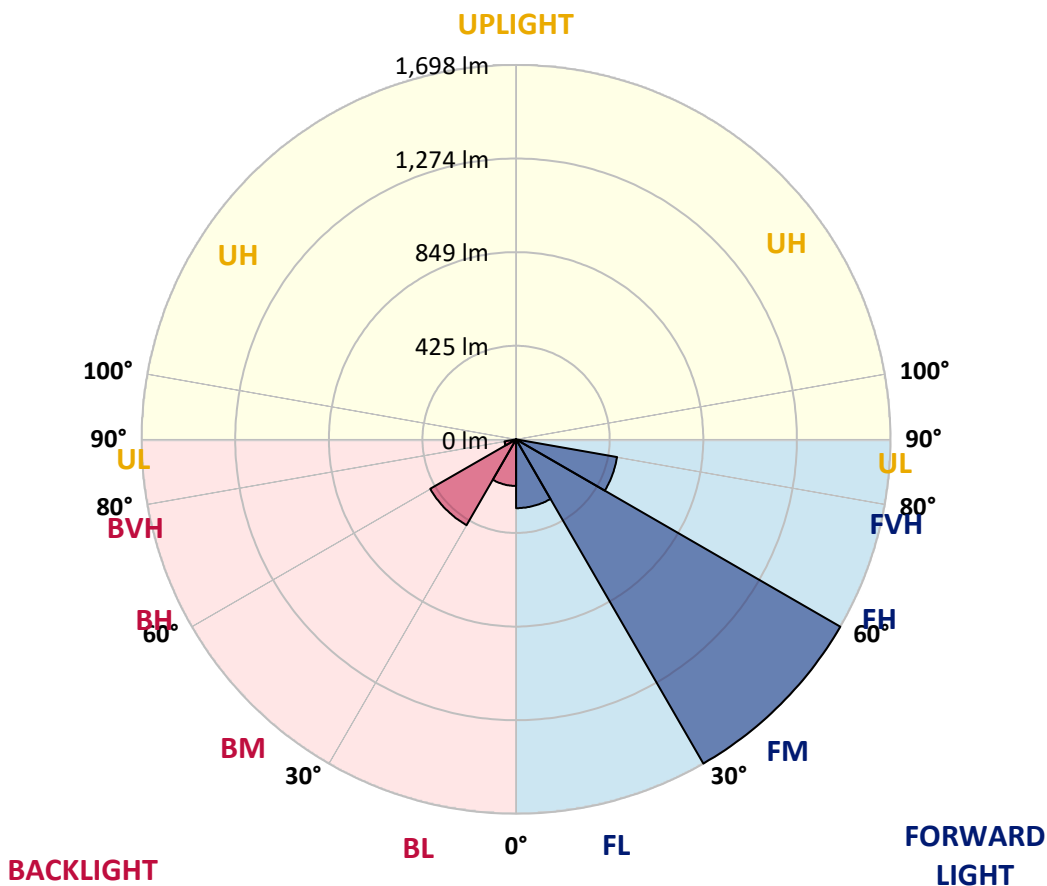
CATALOG NUMBER: GWS-SA1D-735-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	312.1	9.8			
FM (30°-60°)	1698.5	53.2			
FH (60°-80°)	465.5	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	211.4	6.6	B1/500		
BM (30°-60°)	449.5	14.1	B1/1000		
BH (60°-80°)	53.5	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8
2.5°	607.5	611.4	617.8	631.5	643.1	650.8	654.3	653.4	648.7	645.3	638.4
5°	672.7	672.7	685.1	716.4	740.4	755.5	763.2	758.5	749.0	734.0	710.9
7.5°	729.7	731.9	752.9	797.5	833.9	855.3	867.8	865.2	848.5	819.8	773.5
10°	774.3	776.9	804.8	859.2	902.1	923.9	942.4	944.1	925.7	887.5	834.3
12.5°	817.6	820.2	849.3	901.7	939.4	948.4	964.7	971.1	966.4	939.4	884.1
15°	864.4	870.4	895.2	934.2	950.1	939.4	950.1	961.7	977.5	975.0	925.2
17.5°	910.2	914.5	939.8	953.5	936.0	908.1	913.2	926.9	963.0	998.1	966.0
20°	952.7	958.7	979.7	961.7	908.5	865.2	865.6	883.6	938.5	1012.3	1007.6
22.5°	997.3	1006.3	1021.3	970.7	883.2	831.3	833.5	849.8	919.2	1025.6	1054.7
25°	1055.6	1064.1	1074.0	993.0	875.1	814.6	822.8	837.8	919.2	1048.3	1113.0
27.5°	1134.5	1140.5	1140.9	1034.6	889.2	817.2	834.3	851.5	946.7	1093.7	1191.1
30°	1233.5	1242.9	1230.5	1099.3	933.4	851.5	876.8	898.2	1005.8	1170.5	1306.0
32.5°	1354.0	1367.3	1350.5	1195.3	1025.6	969.8	1015.7	1028.1	1100.2	1281.5	1436.3
35°	1495.5	1506.6	1488.6	1328.3	1240.8	1251.1	1334.3	1318.4	1289.7	1418.3	1588.5
37.5°	1650.7	1661.0	1626.2	1529.8	1558.9	1603.5	1736.4	1682.0	1589.4	1594.5	1753.6
40°	1793.0	1804.2	1749.7	1748.9	1808.9	1890.3	2050.7	1975.7	1849.6	1825.2	1908.3
42.5°	1940.5	1948.2	1898.9	1865.5	2001.8	2169.5	2339.2	2238.1	2022.0	1995.4	2102.1
45°	2151.0	2167.3	2079.4	1922.9	2175.5	2490.6	2727.3	2529.6	2139.4	2118.0	2398.8
47.5°	2460.6	2472.6	2293.4	1958.9	2337.1	2890.6	3212.2	2907.8	2242.8	2193.9	2804.4
50°	2716.5	2724.7	2490.2	1998.4	2509.0	3321.9	3764.8	3356.2	2359.0	2319.5	3183.0
52.5°	2905.2	2936.1	2748.7	2079.4	2735.0	3829.1	4376.6	3887.4	2540.3	2562.2	3496.9
55°	2944.2	2986.2	2925.3	2129.2	2933.9	4345.8	4941.7	4362.9	2721.3	2746.1	3602.3
57.5°	2587.5	2620.9	2671.5	1928.5	2929.2	4582.4	5269.7	4520.7	2638.9	2462.7	3207.4
60°	1938.4	1961.5	2053.3	1474.0	2693.8	4373.2	5014.2	4252.3	2307.5	1879.2	2443.9
62.5°	1149.5	1159.8	1275.9	954.8	2235.9	3766.1	4158.4	3669.2	1823.5	1263.9	1496.8
65°	441.2	436.9	525.6	471.2	1644.2	2999.9	3093.0	2797.1	1251.1	579.2	570.7
67.5°	68.2	65.2	87.9	139.3	1185.9	2079.0	2040.8	2016.0	783.7	135.1	117.9
70°	15.4	15.4	18.9	41.2	724.6	1221.5	1307.2	1246.4	501.6	28.7	15.4
72.5°	7.3	7.3	9.0	17.6	262.4	503.3	586.5	577.5	162.9	9.4	5.6
75°	2.6	3.0	3.0	3.9	15.9	26.2	60.0	42.9	10.3	0.0	0.0
77.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8
2.5°	623.4	620.4	609.2	594.2	579.7	566.8	553.5	537.6	526.1	512.8	508.5
5°	692.9	674.0	643.5	611.8	582.7	557.8	533.8	508.1	489.2	470.3	463.9
7.5°	751.6	723.7	674.4	626.8	587.0	551.8	517.1	481.9	454.5	432.2	425.3
10°	804.3	772.2	706.1	647.4	597.2	556.5	514.5	470.3	434.7	408.2	401.7
12.5°	849.8	812.5	733.2	662.8	601.5	554.8	514.1	478.9	446.8	416.3	408.2
15°	887.9	846.8	755.9	673.1	595.1	533.4	497.8	492.2	489.6	456.2	440.3
17.5°	925.2	878.9	774.3	677.8	577.1	495.6	469.9	495.2	522.2	500.3	480.2
20°	964.2	911.5	793.2	678.7	547.1	453.2	448.9	488.8	523.1	516.2	497.3
22.5°	1010.1	952.2	816.8	678.3	509.4	417.2	433.5	476.3	504.2	503.8	488.8
25°	1076.6	1003.7	848.5	680.8	468.2	389.3	416.3	455.3	478.1	477.2	464.8
27.5°	1147.8	1065.0	889.6	687.3	433.0	373.0	396.2	426.6	446.3	445.5	434.7
30°	1247.7	1135.7	929.1	687.7	407.7	364.4	373.9	394.9	413.7	411.6	403.4
32.5°	1369.0	1215.5	962.1	663.3	391.9	356.3	350.7	361.4	376.0	373.0	370.9
35°	1515.6	1310.2	990.4	609.7	367.4	340.0	325.0	327.1	337.4	339.1	338.3
37.5°	1682.8	1423.0	1025.6	538.9	334.4	316.4	296.3	294.5	300.6	306.1	310.4
40°	1847.9	1549.9	1073.2	467.3	304.4	286.4	267.1	262.8	265.4	275.3	284.3
42.5°	2033.5	1697.0	1124.6	406.0	283.8	253.4	235.0	226.8	234.1	250.0	260.7
45°	2301.1	1903.2	1174.8	357.1	275.3	224.2	199.4	198.5	206.7	227.2	239.2
47.5°	2676.7	2169.9	1207.8	319.0	274.8	201.5	171.9	177.1	186.5	206.7	220.4
50°	3042.8	2503.9	1171.3	289.8	265.8	186.5	151.3	161.6	171.1	188.6	202.8
52.5°	3263.6	2683.5	1029.4	262.4	238.0	179.6	131.2	149.2	150.9	166.8	181.8
55°	3240.5	2567.3	788.5	219.9	196.8	169.8	110.2	134.6	135.5	147.5	160.4
57.5°	2812.6	2204.2	541.5	178.4	147.9	140.2	90.9	113.6	121.8	129.1	138.5
60°	2096.1	1608.2	241.4	144.9	93.9	94.8	77.6	85.7	98.2	106.8	114.9
62.5°	1235.2	925.2	98.2	87.0	51.9	59.6	62.6	62.6	70.3	76.7	81.9
65°	466.9	323.7	39.9	43.7	27.0	27.9	36.9	45.4	51.4	57.0	63.9
67.5°	81.9	56.6	20.6	16.3	15.9	14.1	18.9	29.6	33.0	37.3	40.3
70°	13.7	11.6	8.6	8.1	7.3	7.7	12.4	21.0	23.2	24.4	25.7
72.5°	3.9	3.4	2.6	2.1	1.7	2.1	7.7	16.3	17.1	18.0	19.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	11.6	12.4	12.9	14.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	3.4	4.3	3.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8
2.5°	505.9	497.3	492.6	490.1	490.1	486.6	482.8	481.5	487.1	487.1	496.5
5°	455.8	448.9	441.2	436.5	429.2	430.5	426.2	425.7	431.3	433.9	443.8
7.5°	421.0	412.5	407.7	404.7	400.9	399.2	395.3	394.0	397.0	401.3	410.7
10°	397.9	396.6	396.2	398.3	398.3	396.2	392.7	390.6	391.4	399.6	410.3
12.5°	403.9	406.5	407.3	410.7	412.5	410.7	408.2	409.0	414.6	429.6	445.5
15°	430.0	427.9	427.0	428.7	430.0	428.3	427.5	433.9	453.2	474.6	492.6
17.5°	457.9	444.2	438.2	438.2	439.0	438.2	439.0	451.5	482.8	504.2	517.5
20°	472.0	446.8	437.3	435.2	436.9	437.3	440.3	454.5	488.8	503.8	506.8
22.5°	467.8	436.0	425.3	423.6	425.3	427.0	430.0	442.0	474.2	481.9	480.6
25°	446.3	415.0	406.5	406.5	410.3	409.9	411.2	419.7	446.3	451.0	448.9
27.5°	419.3	389.7	382.4	386.7	390.2	389.3	389.7	397.0	416.7	418.0	415.9
30°	391.9	366.1	359.3	364.4	369.2	368.3	368.7	376.0	388.4	387.2	384.2
32.5°	364.0	345.1	340.0	343.0	350.3	349.4	351.1	358.9	363.6	358.0	354.6
35°	338.3	328.4	324.6	326.3	331.8	333.1	336.1	341.3	341.3	334.4	328.4
37.5°	314.3	313.0	310.4	308.3	313.4	317.3	321.6	327.6	319.0	309.1	303.6
40°	292.0	297.5	294.1	288.5	291.5	297.1	305.7	310.4	300.1	290.3	280.8
42.5°	271.4	280.8	279.5	272.7	275.3	280.4	290.3	294.1	282.1	271.0	262.0
45°	251.7	265.0	265.8	257.2	259.8	265.0	276.5	277.8	262.4	250.4	244.0
47.5°	234.5	249.1	249.5	243.1	244.0	251.2	262.0	262.4	244.8	233.7	225.5
50°	218.2	235.0	236.2	230.7	231.5	240.1	249.1	247.4	228.5	216.9	209.7
52.5°	198.5	221.2	224.2	221.7	225.1	232.0	237.5	231.5	209.7	198.1	191.6
55°	177.1	206.7	213.1	211.4	215.2	220.8	222.1	218.2	190.8	179.2	173.2
57.5°	152.2	170.2	181.4	177.9	180.9	186.5	190.4	187.4	166.8	157.8	152.6
60°	126.1	138.1	140.6	135.1	132.5	142.3	151.3	147.5	129.9	124.3	118.3
62.5°	92.2	105.9	107.6	100.3	97.3	108.0	115.8	111.9	92.6	86.6	81.9
65°	73.7	86.6	90.0	83.2	81.5	89.6	94.3	84.9	71.2	64.7	59.6
67.5°	48.4	58.7	67.7	67.3	63.9	66.5	63.0	55.3	45.4	42.0	38.6
70°	30.0	36.0	41.6	43.7	43.3	42.4	37.7	32.2	29.2	27.9	26.2
72.5°	23.2	29.2	33.4	34.7	35.2	33.9	30.0	24.9	21.9	20.2	18.9
75°	17.1	21.9	25.3	27.0	27.9	27.0	23.2	19.7	16.7	15.4	14.1
77.5°	6.0	7.3	9.0	9.9	9.4	9.0	8.1	8.1	6.4	6.0	5.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0



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**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8
2.5°	507.2	514.9	529.1	541.9	555.7	569.8	585.2	601.1	608.4	607.5
5°	458.8	475.5	498.6	523.9	552.2	582.7	616.5	651.3	666.3	672.7
7.5°	428.3	451.9	482.3	514.5	551.8	595.1	646.1	700.6	722.4	729.7
10°	432.2	459.6	484.9	516.2	556.1	612.2	675.7	740.4	766.2	774.3
12.5°	463.5	469.5	476.3	502.1	552.2	625.1	702.7	779.9	809.5	817.6
15°	491.8	463.9	451.0	474.6	538.5	634.1	730.2	822.3	854.9	864.4
17.5°	493.1	451.0	422.3	440.8	516.2	638.0	757.2	865.6	901.2	910.2
20°	477.2	436.9	400.0	400.4	485.8	637.1	779.5	904.7	944.5	952.7
22.5°	454.0	420.2	382.0	368.7	453.2	635.4	803.9	946.2	989.5	997.3
25°	428.3	398.7	364.9	344.7	420.6	637.1	838.2	1000.7	1048.3	1055.6
27.5°	400.4	375.2	351.6	335.3	393.2	643.5	879.4	1070.2	1126.7	1134.5
30°	371.3	352.4	343.0	333.1	376.0	645.3	923.9	1151.2	1222.8	1233.5
32.5°	342.6	332.3	332.7	334.4	359.7	633.3	964.7	1241.2	1336.8	1354.0
35°	316.0	313.0	321.6	330.1	336.1	602.4	1000.3	1347.5	1477.9	1495.5
37.5°	293.3	295.8	306.6	315.1	310.4	558.7	1047.4	1480.5	1635.7	1650.7
40°	271.4	277.8	290.3	294.1	290.7	507.6	1104.0	1608.7	1772.4	1793.0
42.5°	251.2	256.0	273.5	274.4	285.1	455.8	1158.5	1746.7	1929.8	1940.5
45°	235.0	234.1	252.1	257.7	292.4	398.3	1211.6	1930.6	2135.6	2151.0
47.5°	219.1	218.2	222.5	247.8	295.4	345.1	1264.4	2199.9	2434.0	2460.6
50°	204.1	205.4	192.1	243.1	279.1	304.4	1288.4	2449.0	2705.4	2716.5
52.5°	190.8	186.1	162.9	227.7	244.4	265.8	1220.2	2562.2	2873.5	2905.2
55°	171.9	145.8	134.2	184.8	192.9	232.0	999.4	2496.6	2888.0	2944.2
57.5°	147.1	114.5	114.0	136.3	136.3	215.2	640.1	2133.0	2488.9	2587.5
60°	113.2	88.8	94.3	94.8	87.5	156.9	359.3	1545.2	1840.2	1938.4
62.5°	80.6	67.7	71.2	56.6	50.2	78.5	172.4	889.6	1135.7	1149.5
65°	54.0	45.9	37.3	31.3	30.9	33.4	71.2	321.6	391.0	441.2
67.5°	35.6	27.9	19.7	19.7	22.3	22.3	27.0	53.2	74.6	68.2
70°	23.2	19.3	12.4	12.0	14.6	14.6	13.7	14.6	15.4	15.4
72.5°	17.1	14.6	7.3	6.4	8.1	8.6	7.7	7.3	7.3	7.3
75°	12.9	10.3	4.3	3.0	3.9	5.1	4.3	3.0	3.0	2.6
77.5°	5.1	3.9	1.7	1.3	2.1	3.0	2.6	1.3	0.9	0.9
80°	0.4	0.9	0.9	0.9	1.3	1.7	2.1	0.9	0.4	0.4
82.5°	0.0	0.4	0.4	0.4	0.9	1.3	1.7	0.9	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.9	1.3	0.9	0.4	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.4	1.3	0.9	0.4	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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