

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: P629413

Luminaire Tested: GWS-SA1B-750-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629413  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-750-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

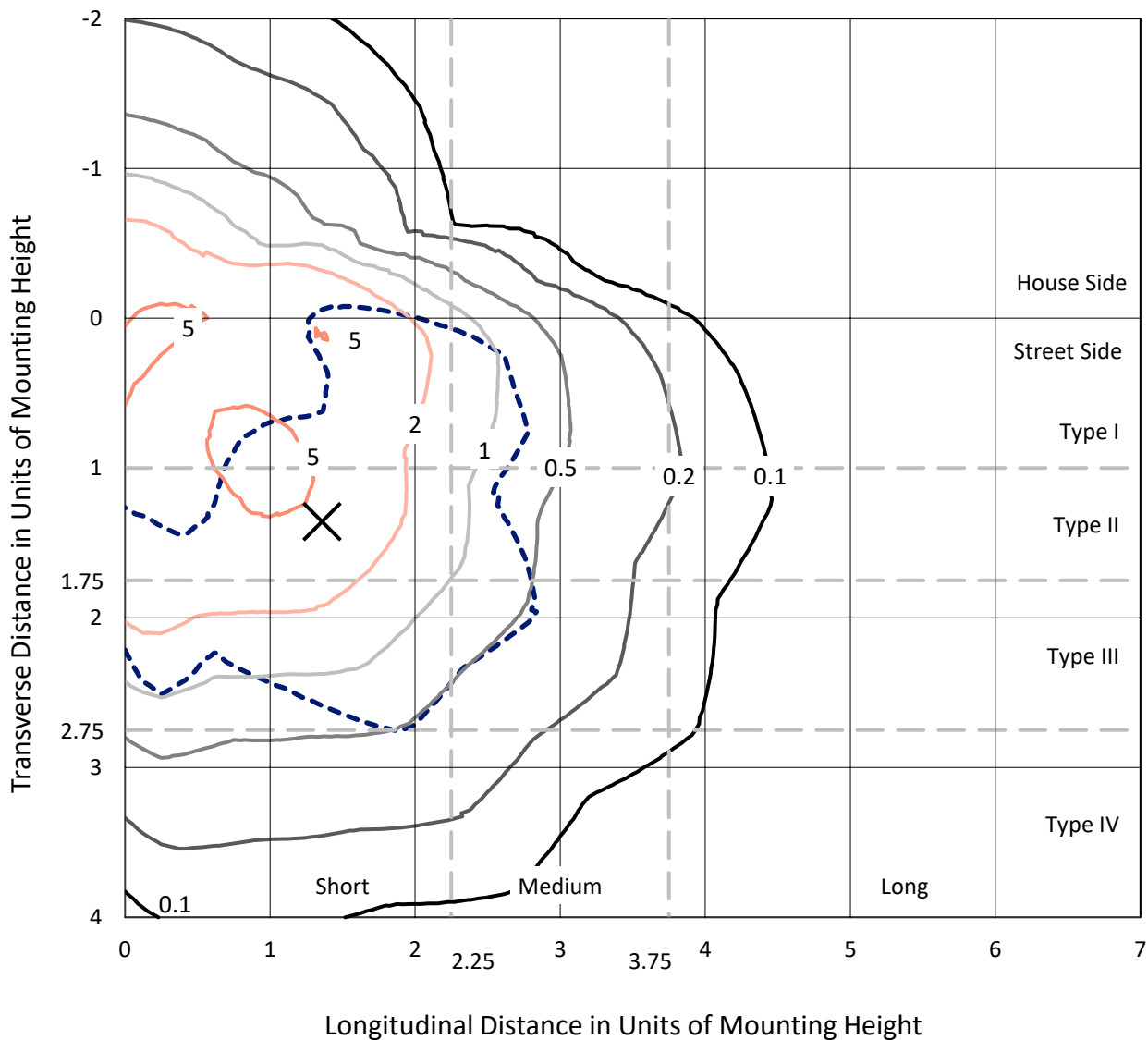
Lumens per Lamp: N/A  
Luminaire Lumens: 3471.3 lumens  
Efficiency: N/A  
Efficacy: 138.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): 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

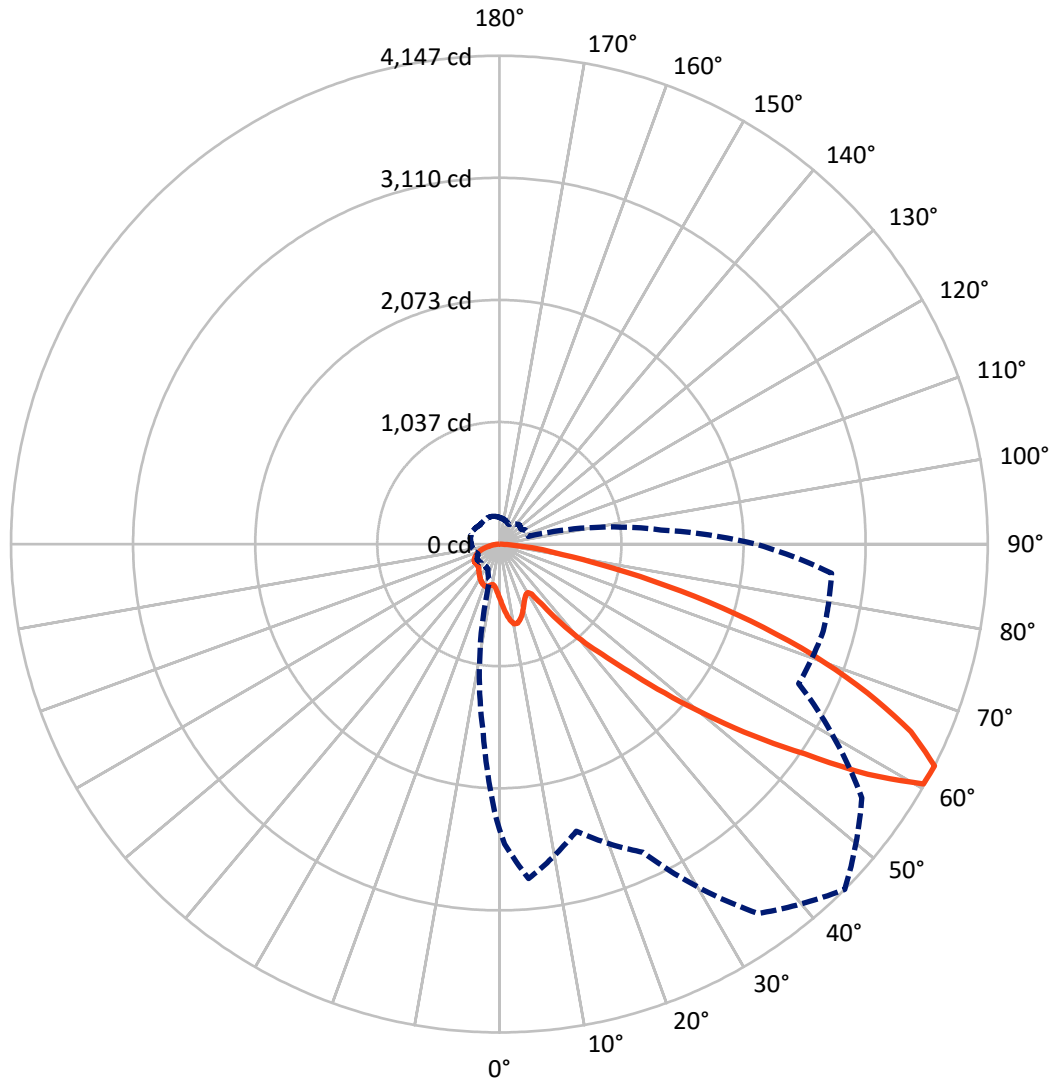
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc  
 Type III - 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	828.3	0.0	828.3
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	2643.0	0.0	2643.0
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	3471.3	0.0	3471.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.0	1.3
10°-20°	141.0	4.1
20°-30°	219.1	6.3
30°-40°	297.5	8.6
40°-50°	471.4	13.6
50°-60°	831.6	24.0
60°-70°	925.3	26.7
70°-80°	469.3	13.5
80°-90°	71.1	2.0
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°	3471.3	100.0
0°-180°	3471.3	100.0

**Coefficient of Utilization**



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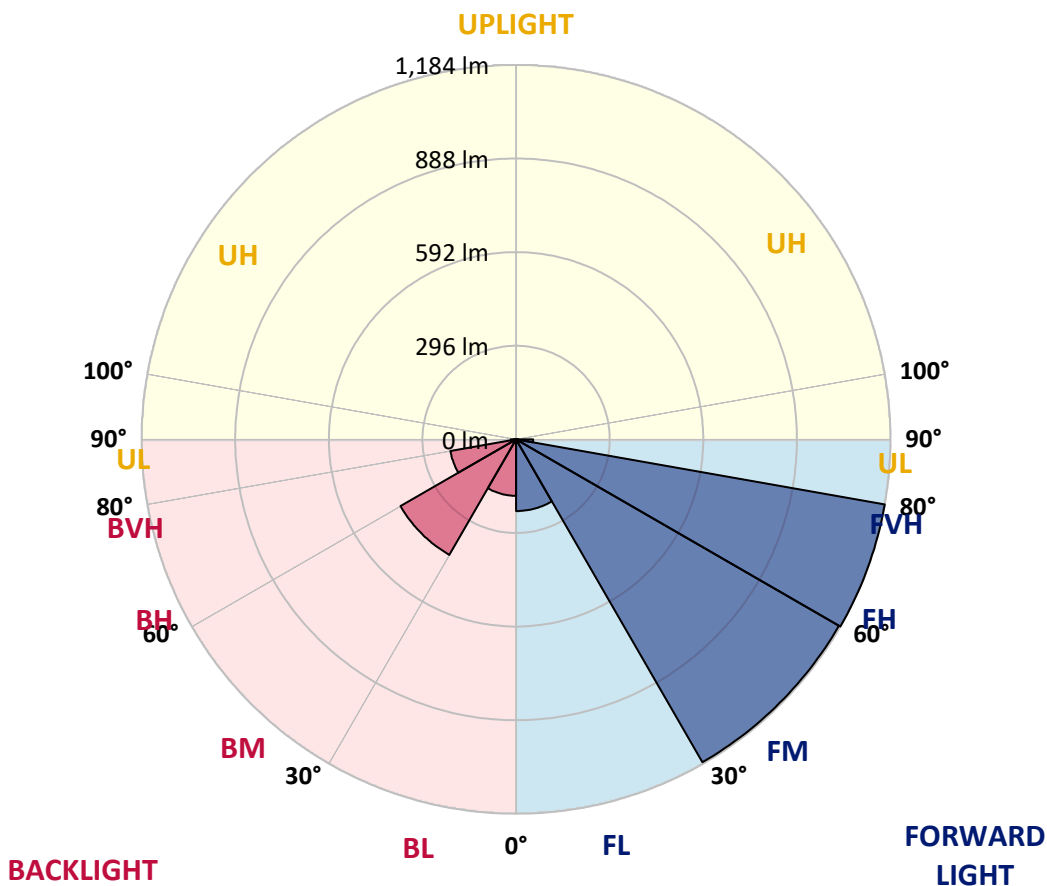
CATALOG NUMBER: GWS-SA1B-750-U-SLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.6	6.5			
FM (30°-60°)	1178.7	34.0			
FH (60°-80°)	1183.7	34.1			G1/1800
FVH (80°-90°)	53.9	1.6			G1/100
BL (0°-30°)	178.5	5.1	B1/500		
BM (30°-60°)	421.9	12.2	B1/1000		
BH (60°-80°)	210.8	6.1	B1/500		G1/500
BVH (80°-90°)	17.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7
2.5°	495.1	494.9	499.9	507.5	514.6	517.7	523.0	522.5	518.3	512.7	510.9
5°	534.0	535.1	543.8	560.6	579.2	587.1	590.5	589.2	581.6	571.9	554.8
7.5°	569.3	571.1	584.5	609.7	632.9	643.4	651.8	650.2	639.2	621.0	595.8
10°	595.0	597.1	613.1	642.8	668.6	677.8	688.6	689.1	679.4	654.9	629.2
12.5°	620.8	622.9	637.8	664.9	681.7	682.0	688.3	691.7	692.3	681.0	655.2
15°	647.6	649.4	663.1	678.3	677.5	662.8	662.8	669.4	683.8	692.0	674.1
17.5°	670.4	672.8	683.3	678.3	654.9	628.4	625.2	633.6	658.9	690.1	688.3
20°	689.4	691.2	697.0	663.9	621.3	586.6	580.6	590.3	624.4	678.8	699.1
22.5°	707.5	708.5	705.4	644.9	585.0	545.3	538.0	548.2	585.0	658.9	708.3
25°	729.0	728.0	713.0	625.2	551.9	512.7	505.1	516.7	555.1	632.3	718.3
27.5°	754.0	750.1	719.6	603.9	526.4	488.6	483.3	495.7	531.4	607.9	726.2
30°	775.3	767.7	720.6	585.0	513.3	478.3	475.2	486.7	519.8	591.3	736.1
32.5°	799.0	788.4	726.7	580.0	520.6	503.0	507.2	508.0	523.0	586.6	751.1
35°	832.9	819.2	743.2	594.5	596.3	626.0	641.3	620.8	570.6	597.1	779.5
37.5°	884.1	866.8	776.9	657.0	752.7	819.2	856.0	809.2	715.1	636.8	822.3
40°	946.4	924.3	820.0	772.7	898.8	1005.3	1070.7	1002.1	863.9	735.9	882.5
42.5°	1033.4	1010.3	903.6	886.2	1034.2	1192.6	1278.1	1175.8	995.0	863.9	979.0
45°	1185.0	1162.7	1056.8	1000.0	1192.6	1423.4	1543.2	1401.1	1128.3	992.4	1159.3
47.5°	1465.2	1438.9	1284.4	1126.2	1373.5	1723.0	1890.7	1683.6	1266.8	1139.6	1462.0
50°	1801.6	1776.4	1570.0	1275.4	1573.2	2043.4	2276.5	2015.5	1426.3	1318.5	1823.9
52.5°	2206.3	2201.6	1977.7	1464.1	1781.1	2385.0	2704.6	2383.2	1601.1	1559.5	2233.9
55°	2571.1	2617.4	2495.4	1751.9	2049.7	2814.2	3144.8	2784.2	1838.1	1958.0	2714.1
57.5°	2767.7	2892.0	3079.4	2339.0	2440.2	3327.2	3688.1	3273.9	2245.5	2621.3	3159.3
60°	2637.9	2778.7	3118.3	2781.1	2827.6	3738.3	4136.4	3685.4	2645.5	3081.8	3134.1
62.5°	2421.8	2548.2	2850.2	2523.0	2887.5	3828.7	4146.9	3757.2	2804.5	2848.1	2831.0
65°	2165.6	2293.0	2612.9	2202.4	2697.0	3614.0	3841.0	3546.1	2518.8	2573.2	2579.5
67.5°	1825.2	1943.0	2268.6	1958.2	2458.4	3298.8	3371.4	3245.5	2319.6	2406.3	2315.7
70°	1363.7	1469.9	1757.4	1591.3	2072.3	2888.3	2829.7	2848.4	2095.9	2182.1	1934.3
72.5°	931.9	1011.8	1258.4	1250.5	1586.9	2312.2	2230.5	2407.4	1750.6	1864.9	1474.6
75°	651.8	714.1	909.6	987.9	1199.5	1713.8	1588.4	1801.9	1367.2	1530.4	1076.0
77.5°	400.0	441.3	574.5	731.9	771.6	1172.9	986.6	1355.9	960.1	1116.2	717.7
80°	200.0	220.0	279.1	460.2	511.7	691.2	544.8	787.1	649.7	691.2	397.1
82.5°	60.4	66.8	81.7	174.8	265.2	397.9	321.9	457.3	354.8	324.0	156.4
85°	16.0	18.1	22.6	51.8	93.0	142.7	108.8	221.6	170.0	119.6	58.9
87.5°	1.3	1.3	1.1	1.1	0.5	0.0	0.0	15.8	31.8	18.1	10.2
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°	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7
2.5°	501.7	500.7	489.9	482.0	472.8	463.9	454.7	446.5	437.3	428.1	425.5
5°	542.2	534.8	512.0	492.8	473.9	457.3	442.8	427.9	415.8	403.9	399.5
7.5°	577.9	565.0	531.9	502.8	476.5	456.0	434.7	412.9	395.8	379.0	374.8
10°	610.3	593.2	551.4	514.6	485.4	462.0	437.1	407.9	383.2	362.7	357.2
12.5°	634.2	615.5	568.2	525.9	492.8	466.5	441.8	416.0	390.0	363.5	357.4
15°	653.1	633.6	582.1	534.6	493.0	459.1	435.2	426.3	418.1	392.1	381.1
17.5°	668.3	647.8	594.2	539.8	485.9	436.8	416.0	429.2	449.9	433.6	412.9
20°	682.3	661.5	603.4	543.5	470.2	406.0	394.5	422.3	453.6	453.1	434.4
22.5°	697.5	677.3	616.8	545.6	448.1	374.8	381.6	412.4	437.8	445.5	433.9
25°	717.0	699.1	635.5	550.3	423.1	353.2	372.1	399.5	420.8	422.6	415.8
27.5°	739.6	726.2	663.3	561.4	399.0	342.2	361.1	381.3	400.8	401.6	393.4
30°	764.3	755.3	689.1	570.6	380.8	338.8	346.9	363.2	375.6	377.7	370.6
32.5°	795.8	787.9	712.0	564.5	370.0	338.0	333.8	342.2	352.4	352.4	346.9
35°	839.2	828.1	736.1	541.4	356.9	334.8	319.8	322.2	326.7	327.5	324.3
37.5°	900.7	882.5	760.6	495.7	335.4	323.5	303.8	300.9	302.5	304.6	303.8
40°	976.9	947.2	796.3	440.7	309.6	301.7	287.3	281.7	280.4	284.6	286.2
42.5°	1072.8	1027.3	834.7	389.5	286.2	276.7	267.8	263.1	261.0	268.1	272.3
45°	1226.0	1151.1	871.5	338.8	273.1	255.5	249.4	246.0	247.0	255.5	260.7
47.5°	1490.7	1340.1	906.4	306.7	272.0	240.2	232.9	233.6	236.5	245.5	251.8
50°	1825.5	1593.2	929.8	293.3	275.2	231.0	221.3	225.5	230.0	238.6	246.0
52.5°	2166.4	1828.9	902.0	285.9	274.9	231.3	210.5	223.1	225.2	233.9	241.8
55°	2400.8	1855.2	779.2	274.6	270.7	241.8	202.1	222.1	223.4	231.3	238.4
57.5°	2490.2	1765.3	594.2	277.8	258.1	249.9	198.4	214.7	224.2	231.0	238.4
60°	2382.1	1595.8	361.1	285.9	237.8	249.4	200.8	201.3	217.6	229.2	236.5
62.5°	2178.5	1378.2	253.6	262.8	223.1	235.5	206.3	185.5	206.0	220.0	226.5
65°	1945.1	1122.2	193.4	226.3	216.0	213.9	208.1	171.6	190.3	203.9	209.7
67.5°	1702.0	872.3	157.2	168.7	195.3	193.4	190.3	159.3	171.6	181.3	187.9
70°	1395.8	610.3	132.7	126.7	167.4	173.5	166.4	143.8	147.7	157.7	162.9
72.5°	1021.0	380.3	109.1	104.6	134.6	151.6	148.0	126.7	128.5	138.0	142.2
75°	734.3	217.6	87.5	86.2	102.8	129.8	122.5	109.1	111.2	118.3	121.2
77.5°	466.8	121.2	67.5	69.4	73.6	97.0	104.6	93.3	93.3	97.5	99.9
80°	249.9	69.4	49.4	50.2	51.5	74.1	82.5	72.3	72.3	69.4	72.3
82.5°	102.0	39.9	33.9	31.5	34.4	50.7	57.8	46.0	48.1	43.4	44.4
85°	33.6	20.0	16.8	16.6	16.3	22.3	27.9	22.9	27.3	17.3	18.1
87.5°	4.5	3.7	2.1	1.6	1.8	0.8	1.6	1.8	1.8	1.3	1.3
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°	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7
2.5°	423.7	421.6	413.9	415.8	414.5	412.4	414.5	410.5	413.7	414.7	421.3
5°	396.1	391.1	383.7	380.0	379.2	377.1	377.4	375.6	376.1	380.6	387.9
7.5°	371.4	366.6	360.8	358.2	355.8	353.5	353.2	353.0	355.1	359.0	366.1
10°	353.5	350.9	348.5	349.5	348.5	347.4	345.6	345.6	349.0	356.1	364.8
12.5°	353.5	353.0	353.5	356.6	356.4	356.6	354.3	355.6	365.0	377.1	389.5
15°	372.4	368.2	368.2	369.8	369.3	369.3	369.3	374.8	396.3	415.0	428.1
17.5°	395.5	383.2	377.9	377.1	376.9	376.9	377.9	389.8	423.4	443.1	450.7
20°	411.6	388.2	379.5	376.1	376.3	376.9	380.0	396.3	433.4	443.4	441.5
22.5°	414.5	384.2	373.7	368.7	369.5	370.0	374.8	392.1	419.7	421.3	417.6
25°	401.1	373.2	361.9	358.0	359.0	358.7	362.9	375.6	395.3	394.7	392.6
27.5°	381.1	355.6	347.2	344.5	346.4	344.3	345.6	355.3	370.6	370.0	369.3
30°	360.6	338.5	330.9	329.6	331.9	328.8	329.0	337.2	347.7	347.2	346.9
32.5°	340.1	321.4	314.6	314.6	317.0	313.5	314.1	321.2	328.3	326.2	326.2
35°	320.6	307.5	302.0	300.9	302.8	300.4	301.4	308.0	310.6	307.8	305.9
37.5°	303.5	297.8	292.2	288.6	288.8	289.1	292.2	297.2	295.7	291.5	289.1
40°	287.8	287.8	282.5	275.7	274.9	276.7	282.0	287.5	283.1	278.3	275.4
42.5°	276.5	278.8	273.9	267.0	265.4	268.6	274.4	278.3	273.1	267.8	263.9
45°	266.0	271.7	268.3	260.7	258.6	262.3	269.6	271.2	264.1	259.1	256.2
47.5°	258.6	266.5	264.1	256.8	253.6	258.9	266.5	266.2	257.3	252.0	249.7
50°	253.4	263.3	263.1	256.8	253.4	259.9	266.8	263.3	253.6	248.1	245.7
52.5°	249.1	263.1	264.9	261.2	258.9	264.7	268.9	262.3	251.0	245.2	243.4
55°	247.3	264.1	265.4	262.0	259.9	265.2	268.9	264.4	251.0	245.7	244.2
57.5°	247.8	262.8	263.1	258.3	254.7	261.2	267.0	265.7	253.9	247.8	246.0
60°	244.7	255.7	256.2	248.9	244.7	252.6	262.8	262.0	252.6	246.3	242.8
62.5°	234.2	243.9	244.2	237.3	231.3	242.6	253.9	253.6	244.9	238.6	234.7
65°	216.6	226.8	229.4	222.9	218.1	230.2	242.1	241.5	232.9	227.1	223.1
67.5°	194.7	205.8	210.8	206.3	204.5	215.5	226.5	226.3	219.2	213.7	210.3
70°	168.2	177.4	185.8	185.8	184.5	197.1	208.9	207.9	201.3	197.1	194.5
72.5°	146.1	153.2	155.8	158.5	162.4	175.6	185.5	186.3	181.6	179.5	181.6
75°	124.3	128.8	131.1	129.0	135.9	149.5	162.7	164.0	159.0	155.6	156.4
77.5°	102.2	107.2	109.6	104.9	104.3	121.7	137.7	140.6	136.4	131.1	132.7
80°	73.9	80.4	84.4	81.2	80.2	87.8	109.9	113.0	109.1	104.9	107.2
82.5°	45.2	48.9	49.9	53.1	59.7	62.8	70.7	81.2	78.3	74.6	81.2
85°	17.9	21.3	23.7	26.8	31.3	37.1	43.6	52.0	47.3	45.7	53.9
87.5°	1.1	0.3	0.0	0.5	4.5	8.7	18.7	25.8	21.6	23.1	27.9
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°	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7
2.5°	426.5	433.4	442.6	450.2	459.9	469.1	478.6	488.0	493.0	495.1
5°	396.3	408.9	423.7	440.0	458.9	478.8	499.1	519.8	533.0	534.0
7.5°	378.2	396.3	416.6	437.1	460.4	488.0	520.1	552.2	565.6	569.3
10°	384.0	404.2	420.2	439.4	465.2	499.6	537.5	575.0	590.5	595.0
12.5°	407.1	411.0	416.0	433.6	465.2	509.6	555.3	600.0	616.6	620.8
15°	426.3	407.4	398.4	417.1	458.9	518.3	574.2	623.7	643.6	647.6
17.5°	427.9	395.3	375.8	392.6	447.8	524.3	592.4	649.9	666.8	670.4
20°	411.8	382.4	357.2	367.4	432.9	526.9	605.5	669.1	685.7	689.4
22.5°	393.7	371.9	344.5	344.0	414.7	529.8	621.3	687.3	705.1	707.5
25°	376.6	357.4	334.3	326.9	393.7	535.4	642.6	714.6	728.3	729.0
27.5°	356.6	341.9	326.2	319.1	375.3	545.9	674.1	747.2	755.3	754.0
30°	338.5	327.5	320.4	318.3	363.7	553.7	704.1	779.2	779.8	775.3
32.5°	319.3	315.1	315.1	321.9	354.3	551.9	728.5	810.5	805.5	799.0
35°	302.2	303.0	308.5	324.6	338.5	533.5	751.9	849.7	842.3	832.9
37.5°	285.9	292.0	299.9	315.4	317.7	506.2	779.2	905.1	895.9	884.1
40°	272.0	281.2	290.4	298.0	295.7	467.3	817.4	970.3	960.1	946.4
42.5°	261.0	269.9	280.2	280.9	281.7	426.8	857.8	1050.2	1048.4	1033.4
45°	253.9	259.7	269.4	268.1	280.9	382.1	895.1	1172.1	1196.3	1185.0
47.5°	249.1	253.6	254.7	260.2	287.8	342.2	943.2	1410.8	1478.1	1465.2
50°	246.5	251.0	239.2	260.7	288.8	316.4	1009.7	1710.4	1818.7	1801.6
52.5°	246.3	245.2	227.3	266.2	283.1	300.7	1044.4	1929.1	2169.3	2206.3
55°	246.8	233.6	221.3	267.8	271.5	294.9	928.3	2034.2	2492.8	2571.1
57.5°	242.1	221.0	224.7	261.5	249.7	310.4	686.2	1996.6	2622.1	2767.7
60°	233.1	208.9	231.0	244.4	227.3	283.8	472.5	1828.9	2488.1	2637.9
62.5°	220.2	200.5	230.2	222.3	219.2	232.3	324.8	1594.2	2275.4	2421.8
65°	205.8	193.7	217.9	201.1	202.9	178.7	229.7	1329.3	2021.6	2165.6
67.5°	190.3	189.5	199.7	179.0	171.4	141.7	167.4	1065.4	1695.4	1825.2
70°	172.7	178.5	181.6	159.0	139.0	111.2	124.3	745.1	1250.7	1363.7
72.5°	155.1	155.6	160.1	138.2	104.1	89.1	93.3	451.3	849.7	931.9
75°	137.2	132.2	136.4	112.5	77.5	73.1	72.0	278.8	586.9	651.8
77.5°	118.0	112.5	107.0	84.6	62.3	56.5	55.2	156.4	360.1	400.0
80°	95.9	88.6	79.9	62.0	45.5	40.5	40.2	76.2	179.5	200.0
82.5°	74.6	60.7	58.3	38.6	28.1	24.7	26.3	29.2	54.1	60.4
85°	52.3	44.2	31.0	15.5	12.6	10.2	10.0	8.7	14.5	16.0
87.5°	29.2	19.2	10.0	1.8	2.1	2.4	1.8	1.3	1.3	1.3
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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