

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: P630287

Luminaire Tested: GWS-SA1D-735-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630287  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-735-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

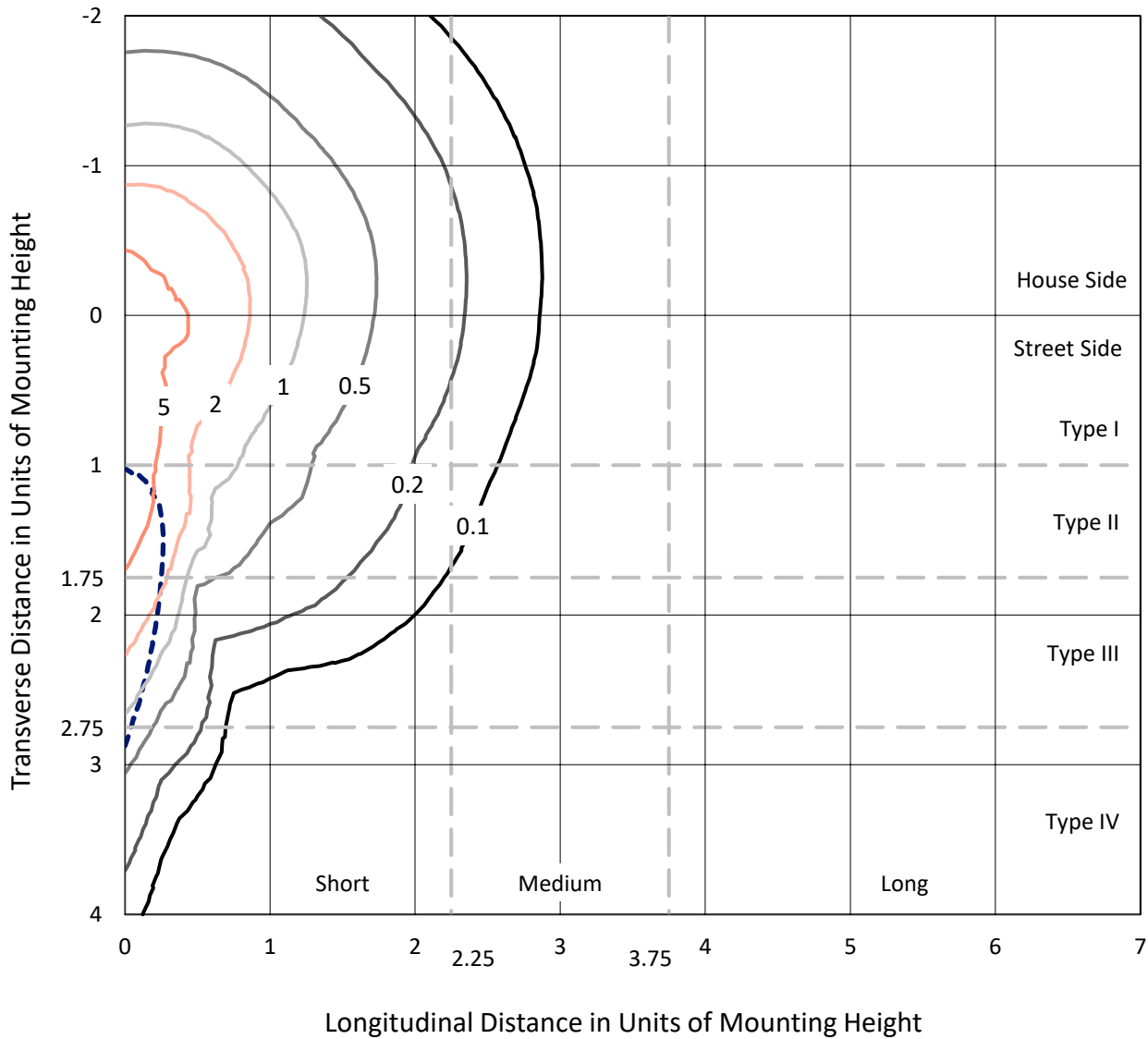
Lumens per Lamp: N/A  
Luminaire Lumens: 5605.3 lumens  
Efficiency: N/A  
Efficacy: 126.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

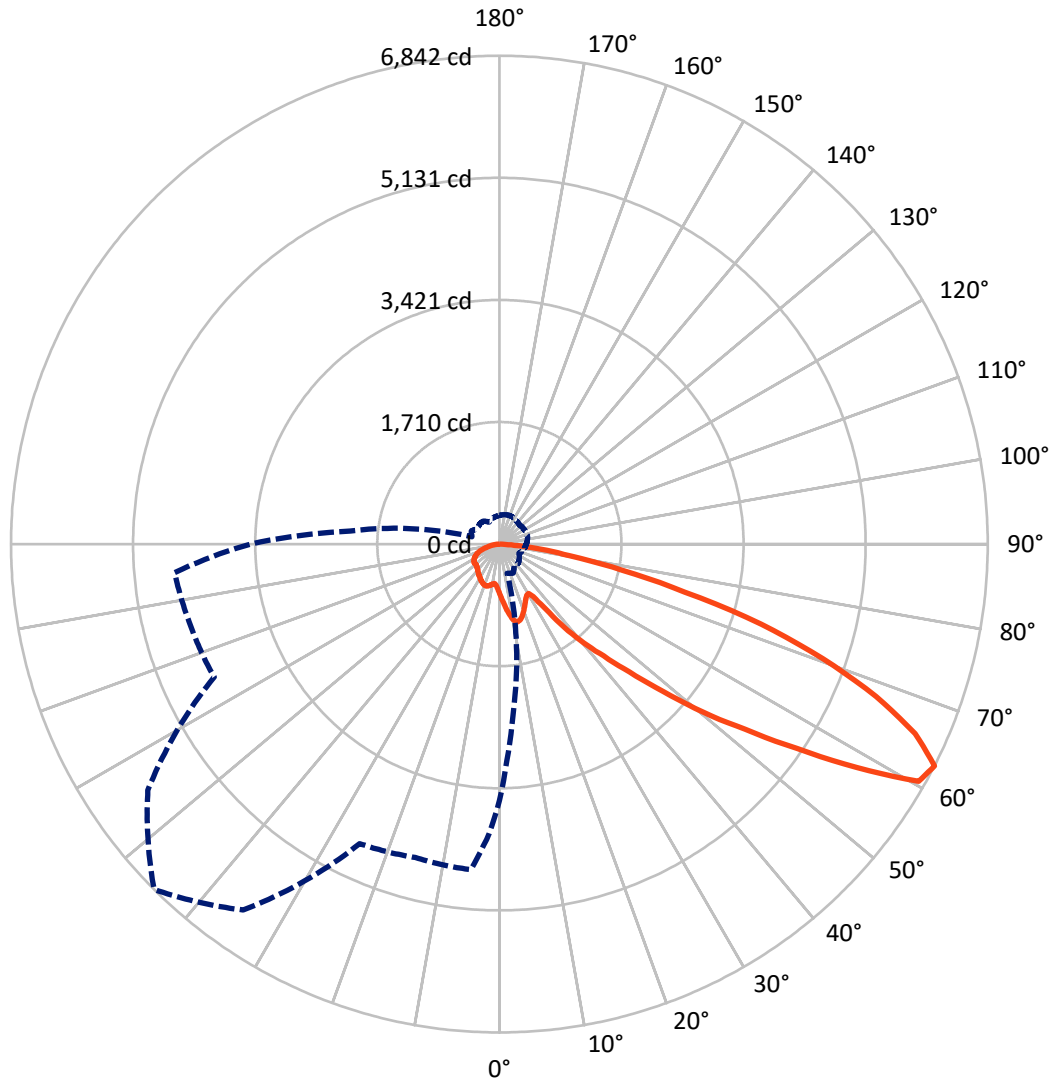
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1340.2	0.0	1340.2
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	4265.1	0.0	4265.1
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	5605.3	0.0	5605.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.8	1.2
10°-20°	223.8	4.0
20°-30°	352.2	6.3
30°-40°	482.8	8.6
40°-50°	753.4	13.4
50°-60°	1298.9	23.2
60°-70°	1505.3	26.9
70°-80°	794.6	14.2
80°-90°	125.5	2.2
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°	5605.3	100.0
0°-180°	5605.3	100.0

**Coefficient of Utilization**



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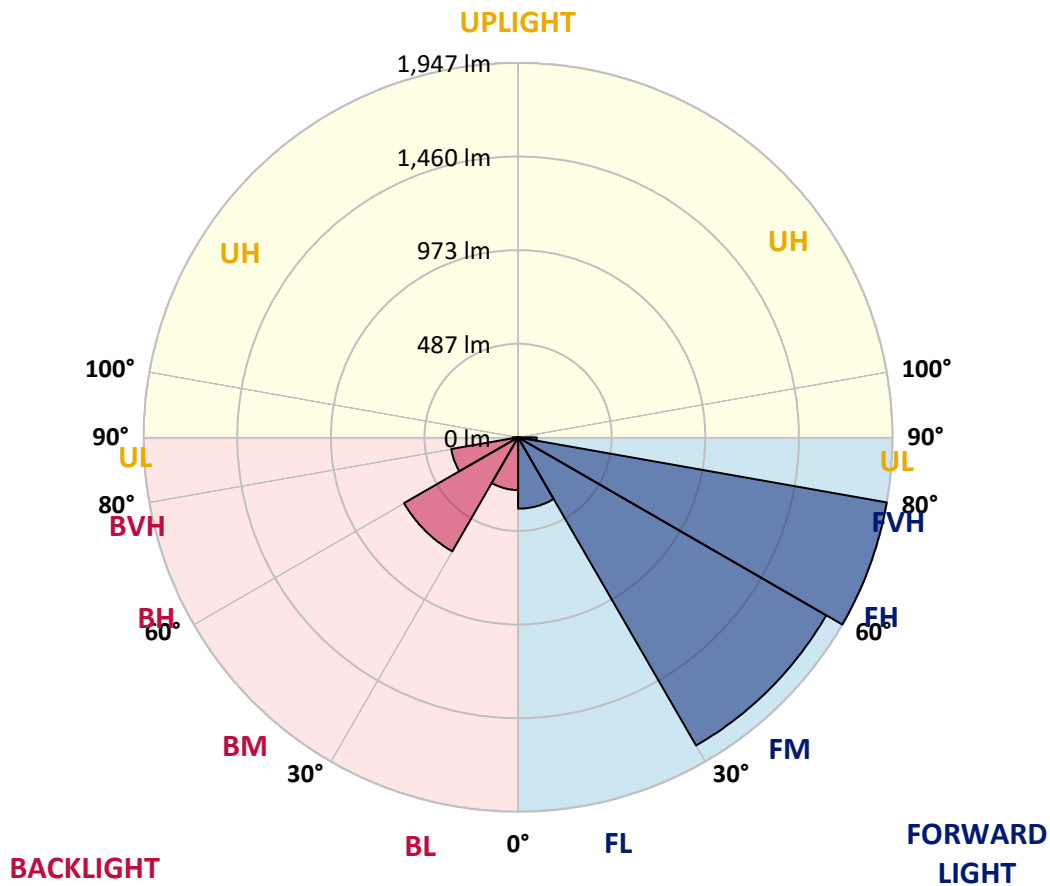
CATALOG NUMBER: GWS-SA1D-735-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	370.7	6.6			
FM (30°-60°)	1850.5	33.0			
FH (60°-80°)	1947.0	34.7			G2/5000
FVH (80°-90°)	96.9	1.7			G1/100
BL (0°-30°)	274.1	4.9	B1/500		
BM (30°-60°)	684.6	12.2	B1/1000		
BH (60°-80°)	352.9	6.3	B1/500		G1/500
BVH (80°-90°)	28.6	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-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9
2.5°	759.3	756.3	752.0	737.5	728.4	718.2	707.4	695.0	680.9	671.0	661.1
5°	823.6	818.9	808.6	773.9	749.9	723.7	701.9	677.0	652.6	635.8	619.1
7.5°	885.4	879.4	863.5	810.3	771.3	733.6	700.6	664.6	628.1	603.3	583.5
10°	947.1	934.7	914.5	845.1	793.6	749.9	712.2	668.0	619.5	585.7	564.7
12.5°	994.3	982.7	960.8	876.8	815.9	761.0	718.6	677.9	636.7	600.7	579.2
15°	1038.4	1023.4	998.6	906.4	834.4	760.6	705.7	670.1	664.1	655.1	627.3
17.5°	1070.2	1056.4	1030.7	930.4	844.6	747.3	670.1	649.1	676.1	703.6	677.0
20°	1098.0	1082.2	1056.0	947.1	846.8	717.7	626.8	627.3	669.7	707.4	701.0
22.5°	1121.6	1104.0	1080.9	966.0	845.9	676.6	589.1	614.8	657.3	686.9	687.7
25°	1150.8	1136.2	1116.9	993.8	845.9	634.6	561.7	599.8	636.3	661.1	660.3
27.5°	1186.4	1176.5	1160.6	1036.3	853.6	599.4	546.2	580.5	609.3	630.7	630.3
30°	1226.2	1217.2	1205.2	1081.3	866.9	573.2	537.7	556.5	577.5	594.7	594.7
32.5°	1267.0	1263.5	1250.7	1117.3	856.6	565.1	530.4	532.5	543.7	557.8	556.5
35°	1323.6	1320.1	1303.8	1145.2	812.1	553.5	518.8	508.1	509.4	518.4	521.4
37.5°	1406.3	1401.2	1377.1	1177.8	744.7	524.4	499.9	482.3	478.5	482.3	487.9
40°	1506.2	1498.5	1465.9	1221.9	667.1	484.9	470.3	455.8	449.3	450.6	457.0
42.5°	1631.4	1615.1	1568.4	1268.7	590.4	450.2	437.3	428.3	421.0	420.2	432.6
45°	1834.6	1790.0	1715.9	1310.3	525.6	431.8	407.7	401.3	395.3	398.7	413.3
47.5°	2189.6	2107.3	1962.8	1345.9	486.2	432.2	384.2	377.3	376.9	383.7	400.0
50°	2677.6	2558.8	2335.8	1369.9	465.6	437.3	370.0	358.9	367.0	373.9	389.3
52.5°	3144.9	2963.5	2698.1	1369.4	456.6	438.2	373.9	341.7	367.0	368.7	383.3
55°	3544.1	3215.6	2795.9	1228.8	443.8	434.8	388.9	328.4	362.3	368.7	380.3
57.5°	3861.3	3376.0	2788.6	992.6	482.8	415.9	397.9	325.4	348.6	369.6	382.9
60°	3826.2	3302.7	2609.0	609.3	478.9	382.4	396.6	331.0	325.4	358.0	379.9
62.5°	3592.5	3039.8	2299.8	422.7	449.8	363.2	375.6	340.9	304.0	341.3	365.3
65°	3265.4	2700.7	1916.5	324.1	372.6	364.0	340.0	334.0	285.1	314.7	340.4
67.5°	2832.8	2280.1	1513.1	256.8	259.8	315.1	308.7	296.7	267.5	291.1	314.3
70°	2129.6	1664.0	1041.0	206.7	196.8	263.3	277.4	266.7	250.4	257.3	281.7
72.5°	1500.6	1086.5	570.2	163.8	151.8	202.4	241.0	239.2	221.2	226.4	250.4
75°	1115.2	768.8	356.3	129.5	123.5	144.9	201.9	207.1	192.1	198.1	216.5
77.5°	742.2	497.8	198.1	96.0	96.0	105.9	150.5	174.5	163.4	168.1	180.9
80°	409.5	253.4	99.0	63.0	64.7	72.9	109.8	125.6	126.1	137.6	141.1
82.5°	129.5	80.6	44.2	36.9	34.7	41.6	70.7	90.0	84.0	107.2	98.6
85°	29.6	18.9	8.1	8.1	9.0	13.7	27.0	48.0	61.3	73.7	53.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	18.9	27.9	24.9
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9
2.5°	655.1	646.6	644.0	636.7	635.8	629.0	626.4	626.4	629.4	629.4	632.4
5°	612.3	601.5	595.5	587.0	584.8	579.7	576.2	576.7	580.5	583.1	588.2
7.5°	574.5	567.2	563.0	559.1	558.2	557.4	553.5	553.1	554.4	558.2	562.1
10°	558.7	553.5	554.8	557.8	562.5	565.1	561.7	559.9	558.7	561.2	564.7
12.5°	574.1	569.0	571.5	576.7	583.1	585.7	584.4	584.0	585.2	595.1	602.4
15°	608.0	598.1	594.7	596.8	602.0	604.5	603.3	605.0	613.1	638.8	657.3
17.5°	650.0	626.0	612.3	608.4	610.5	612.7	612.7	617.0	631.1	668.9	692.0
20°	672.7	641.4	618.3	608.8	609.7	611.8	611.8	617.8	633.7	674.0	689.0
22.5°	666.7	638.0	609.7	599.4	599.8	601.5	601.5	606.7	620.8	656.4	663.3
25°	643.1	617.8	590.0	581.0	581.8	584.8	584.0	587.0	597.7	626.8	630.7
27.5°	614.8	592.5	565.1	558.2	562.1	568.1	563.0	563.4	573.2	597.7	598.1
30°	584.4	566.0	541.5	536.4	543.7	546.7	541.9	541.9	551.8	568.5	568.1
32.5°	551.4	539.8	522.2	516.6	524.8	529.5	523.5	524.4	532.1	543.2	538.9
35°	520.5	514.5	506.4	502.5	507.6	511.9	508.1	509.8	517.1	520.1	514.1
37.5°	490.9	490.1	490.9	490.9	492.2	493.5	490.9	495.2	501.6	497.8	490.9
40°	465.2	468.6	476.8	474.6	473.3	474.6	472.9	480.2	486.6	479.8	471.6
42.5°	443.8	450.2	462.6	462.6	460.1	460.9	460.1	469.1	473.8	464.3	455.3
45°	425.3	434.8	450.6	452.8	448.5	448.5	450.2	461.3	463.1	450.2	440.8
47.5°	412.5	424.0	442.0	445.9	439.5	439.0	443.8	455.8	455.8	440.8	430.0
50°	403.5	416.3	437.8	442.9	436.5	434.8	442.5	454.0	451.5	433.5	422.7
52.5°	397.5	410.7	437.3	444.6	440.3	438.6	446.3	454.5	448.0	428.8	417.6
55°	393.6	408.2	438.6	444.6	439.9	436.9	444.6	451.9	448.5	426.2	415.5
57.5°	395.7	410.3	436.9	439.9	434.3	429.2	438.2	448.5	447.2	427.0	416.3
60°	392.3	405.6	427.5	428.3	418.9	410.7	424.0	439.5	439.5	424.0	414.6
62.5°	376.4	389.7	409.0	409.9	399.2	390.2	405.6	424.0	423.6	411.2	401.3
65°	350.3	362.7	384.6	386.7	376.0	366.6	382.4	399.6	400.9	389.7	381.2
67.5°	321.6	332.7	349.0	357.6	348.6	338.7	353.3	369.6	369.2	355.9	346.9
70°	287.3	297.6	312.6	319.8	314.3	304.8	318.1	326.7	322.8	316.4	310.4
72.5°	253.4	263.3	277.4	277.4	271.4	262.4	266.3	281.7	286.4	281.7	277.8
75°	217.8	226.4	236.2	238.4	225.1	208.8	226.8	240.1	245.7	243.5	238.8
77.5°	181.4	187.8	202.4	198.5	173.6	165.1	179.6	199.4	203.2	201.9	195.5
80°	139.8	143.6	159.1	151.3	132.1	126.5	132.9	148.3	149.2	144.9	136.8
82.5°	93.9	99.0	109.3	94.3	93.9	88.8	83.6	85.3	93.0	92.2	86.6
85°	48.0	50.6	60.5	56.6	48.4	42.0	39.9	42.4	38.2	34.7	30.0
87.5°	20.2	21.9	30.0	16.7	5.1	0.0	0.0	2.6	3.9	5.6	6.0
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°	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9
2.5°	639.3	644.0	655.6	670.1	684.3	698.9	714.7	724.6	736.6	752.0	752.5
5°	594.7	605.4	622.1	644.4	667.6	694.1	725.0	750.7	781.6	806.1	815.9
7.5°	567.2	582.7	603.7	632.0	662.4	695.4	735.7	779.0	829.6	862.2	881.5
10°	569.8	593.4	614.4	638.4	665.9	701.4	753.3	810.8	872.9	915.8	939.8
12.5°	615.7	640.6	636.7	635.4	653.8	697.1	767.5	842.9	918.8	961.7	990.4
15°	673.6	683.0	646.6	619.1	630.3	681.7	775.2	871.7	957.0	1009.3	1037.6
17.5°	703.2	684.3	640.1	599.0	596.0	658.1	779.0	900.8	999.8	1052.2	1082.2
20°	689.4	662.0	624.7	585.7	564.2	626.0	776.9	924.0	1038.9	1097.2	1121.6
22.5°	659.8	635.8	606.7	569.4	538.5	590.8	771.3	947.1	1073.6	1132.3	1153.8
25°	627.7	609.7	585.7	553.1	523.9	559.9	767.5	978.0	1113.5	1169.6	1183.4
27.5°	595.5	582.2	562.5	537.2	520.5	538.5	768.8	1018.3	1164.9	1218.1	1212.5
30°	563.8	552.2	538.5	527.4	520.1	533.4	765.3	1061.2	1221.5	1270.8	1237.8
32.5°	533.8	523.1	514.5	516.2	520.5	535.5	747.7	1100.2	1273.4	1315.4	1265.2
35°	508.1	496.9	496.9	502.9	518.8	528.2	702.3	1130.6	1330.8	1372.9	1304.3
37.5°	484.1	474.2	480.6	490.5	505.5	508.5	644.0	1160.2	1414.5	1453.9	1364.7
40°	463.1	453.2	464.8	477.2	484.9	483.6	584.8	1201.4	1513.1	1553.8	1444.9
42.5°	446.3	437.3	447.6	463.5	464.8	466.1	541.5	1240.8	1627.5	1679.4	1583.0
45°	432.6	426.2	431.3	447.2	447.2	466.9	514.5	1273.8	1799.9	1891.7	1836.3
47.5°	421.9	418.0	420.6	425.8	434.3	482.3	497.4	1299.1	2113.7	2293.8	2238.1
50°	415.9	412.0	415.5	404.7	430.5	490.1	491.8	1318.4	2527.5	2809.6	2740.6
52.5°	410.7	409.5	411.6	386.7	439.0	484.9	487.5	1292.7	2804.9	3317.2	3385.4
55°	409.0	409.9	399.6	373.4	449.3	467.8	474.6	1108.8	2880.4	3755.0	4178.2
57.5°	409.9	407.3	381.2	374.7	449.8	433.5	493.1	791.0	2770.6	3945.4	4953.8
60°	406.9	394.0	358.9	386.3	430.0	393.2	479.8	515.8	2481.2	3799.2	4998.8
62.5°	393.6	374.7	339.6	392.7	394.9	369.2	435.6	397.5	2095.3	3486.2	4564.9
65°	374.3	349.0	323.3	379.4	359.3	358.0	327.6	318.6	1685.0	3113.6	4153.3
67.5°	342.6	317.3	311.3	349.0	323.3	317.3	263.3	264.1	1344.6	2716.6	3739.6
70°	306.6	281.3	286.0	315.6	287.7	263.7	213.1	219.9	1020.0	2263.4	3181.8
72.5°	283.0	249.1	249.5	277.8	253.0	213.5	175.4	181.4	647.4	1706.0	2529.6
75°	238.8	219.5	210.1	225.1	214.8	166.4	147.5	146.2	383.7	1222.8	1894.2
77.5°	199.4	184.4	179.6	185.6	160.4	123.1	118.8	116.6	217.4	783.3	1241.2
80°	144.5	140.6	140.2	143.2	123.5	90.5	90.5	90.9	117.0	425.3	699.7
82.5°	91.8	100.3	88.8	98.6	84.0	64.3	60.0	68.2	67.3	181.4	295.0
85°	38.2	52.3	48.9	51.9	39.9	35.2	37.7	40.7	39.0	69.9	114.9
87.5°	7.3	8.6	9.4	9.0	9.0	11.1	12.4	15.0	15.0	20.2	34.7
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°	358°	360°
0°	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9	698.9
2.5°	768.8	781.2	778.6	784.2	776.9	779.5	764.9	761.0	758.5	759.3
5°	847.6	872.9	877.7	887.1	880.7	880.7	854.9	835.6	828.8	823.6
7.5°	927.8	964.3	988.3	990.8	987.4	980.6	943.3	908.5	896.1	885.4
10°	999.0	1042.7	1069.7	1082.6	1076.2	1065.4	1019.1	971.6	956.5	947.1
12.5°	1053.4	1092.0	1110.0	1118.6	1117.8	1113.9	1076.2	1024.7	1008.9	994.3
15°	1088.6	1107.9	1101.0	1100.6	1106.6	1122.0	1110.5	1070.2	1051.7	1038.4
17.5°	1111.3	1092.9	1062.4	1048.3	1061.2	1097.6	1124.2	1101.5	1084.7	1070.2
20°	1119.5	1053.9	1009.7	983.6	998.6	1051.3	1116.9	1124.2	1110.0	1098.0
22.5°	1110.0	1006.3	946.3	915.4	930.0	993.0	1095.5	1142.6	1133.2	1121.6
25°	1086.9	956.5	884.5	856.6	872.5	936.8	1057.3	1159.8	1160.2	1150.8
27.5°	1058.2	910.7	841.2	815.1	830.5	890.5	1020.0	1174.8	1189.8	1186.4
30°	1029.0	883.2	820.6	802.2	813.8	866.9	981.8	1190.2	1220.2	1226.2
32.5°	1015.7	896.5	869.1	877.2	862.2	880.7	968.1	1212.1	1257.1	1267.0
35°	1033.3	1014.4	1083.9	1116.0	1062.9	993.0	985.7	1245.1	1309.0	1323.6
37.5°	1118.6	1267.0	1370.7	1483.9	1391.7	1237.8	1072.7	1301.3	1383.2	1406.3
40°	1304.3	1487.3	1674.7	1820.9	1681.6	1474.5	1238.2	1384.9	1485.2	1506.2
42.5°	1479.2	1694.0	1952.1	2141.2	1960.3	1667.8	1416.6	1525.5	1619.8	1631.4
45°	1650.7	1896.8	2287.8	2550.6	2305.0	1851.8	1598.8	1763.0	1834.2	1834.6
47.5°	1851.8	2125.3	2708.9	3083.2	2762.4	2055.4	1769.9	2139.0	2238.1	2189.6
50°	2092.3	2352.6	3142.3	3702.7	3320.3	2305.8	1987.3	2597.4	2732.4	2677.6
52.5°	2414.3	2602.9	3619.9	4306.8	3928.2	2590.9	2302.4	3202.8	3247.4	3144.9
55°	2867.5	2964.4	4233.1	5052.8	4606.9	2942.1	2763.3	3962.5	3837.8	3544.1
57.5°	3899.5	3536.3	5020.3	5903.9	5374.8	3580.1	3773.4	4800.3	4356.5	3861.3
60°	4763.0	4230.9	5748.7	6748.5	6033.0	4283.2	4721.8	4946.1	4337.2	3826.2
62.5°	4471.9	4408.0	6011.5	6841.6	6257.6	4629.2	4545.6	4578.6	4054.3	3592.5
65°	3923.5	4066.3	5777.0	6400.4	6008.5	4319.2	4111.7	4239.1	3730.6	3265.4
67.5°	3599.8	3704.8	5359.8	5694.2	5555.8	3984.0	3774.3	3682.1	3228.1	2832.8
70°	3268.8	3355.8	4774.1	4808.0	4849.6	3426.6	3086.2	2811.8	2406.2	2129.6
72.5°	2824.6	2829.3	4033.7	3837.3	3916.2	2681.4	2484.2	2102.2	1751.4	1500.6
75°	2369.7	2240.2	3192.9	2682.3	2840.5	2085.9	2062.7	1584.2	1321.0	1115.2
77.5°	1806.8	1655.4	2332.4	1763.9	1995.0	1389.2	1550.8	1074.5	929.5	742.2
80°	1212.9	1118.6	1288.8	995.6	1305.1	957.4	1011.4	608.8	527.8	409.5
82.5°	639.7	546.2	796.6	590.4	787.2	526.1	379.4	188.2	160.4	129.5
85°	247.8	286.8	390.6	210.1	305.3	187.8	109.8	46.7	39.0	29.6
87.5°	48.0	74.2	40.7	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

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