

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: P630452

Luminaire Tested: GWS-SA1D-760-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630452
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-760-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5733.8 lumens
Efficiency: N/A
Efficacy: 129.4 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

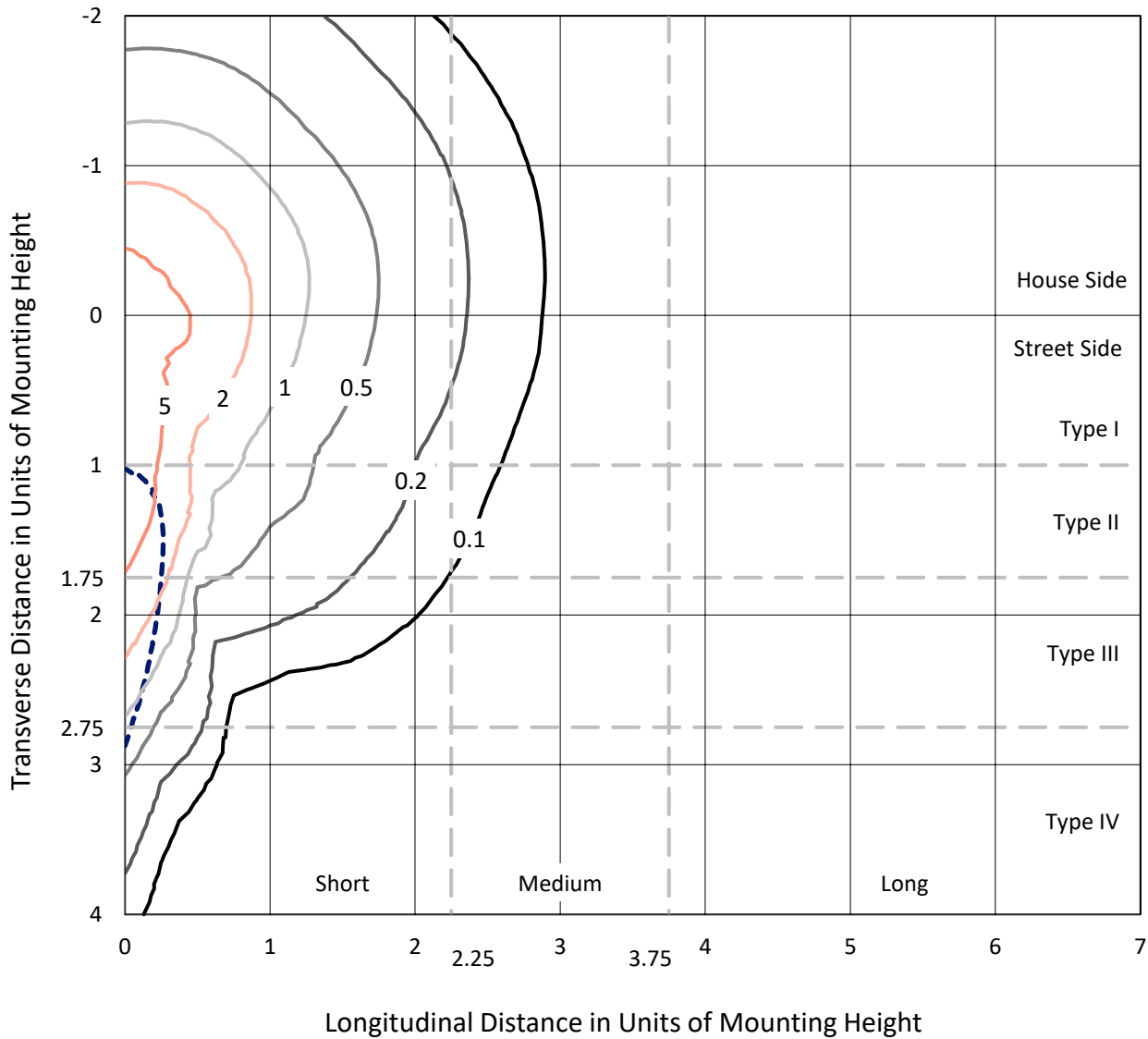
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

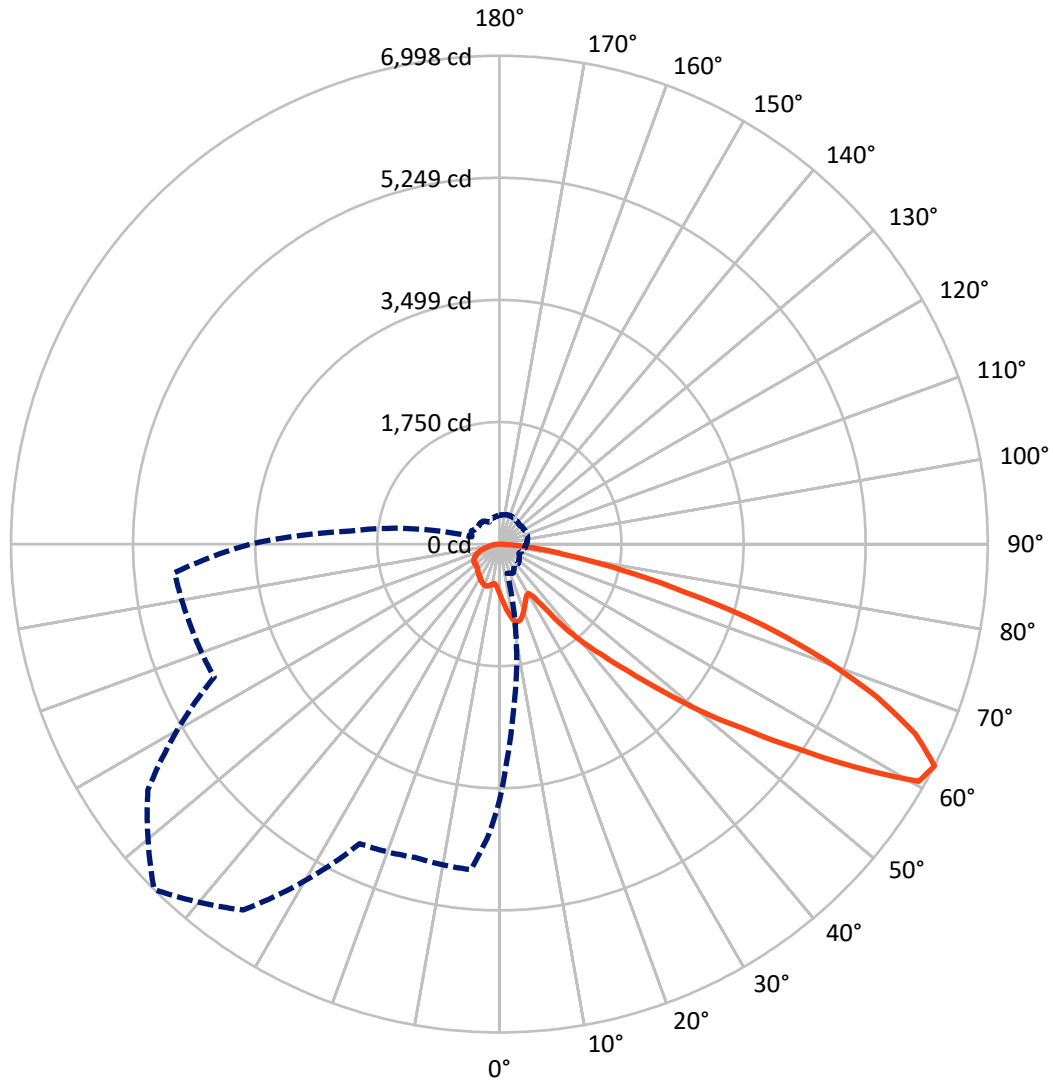
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 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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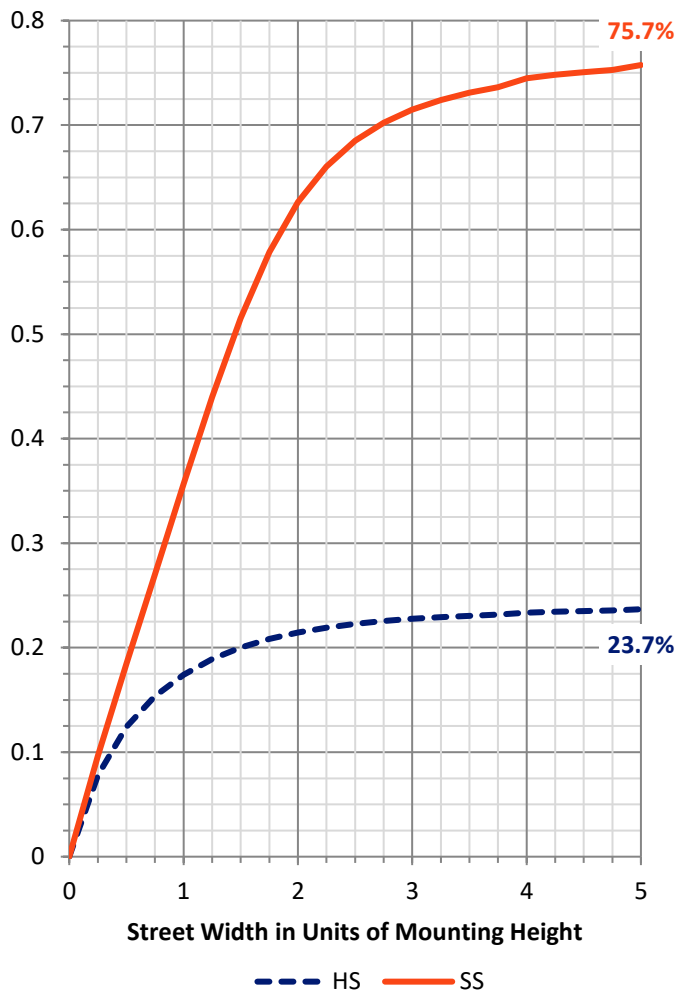
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1371.0	0.0	1371.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4362.8	0.0	4362.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	5733.8	0.0	5733.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	1.2
10°-20°	228.9	4.0
20°-30°	360.3	6.3
30°-40°	493.9	8.6
40°-50°	770.6	13.4
50°-60°	1328.7	23.2
60°-70°	1539.8	26.9
70°-80°	812.8	14.2
80°-90°	128.4	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°	5733.8	100.0
0°-180°	5733.8	100.0

Coefficient of Utilization



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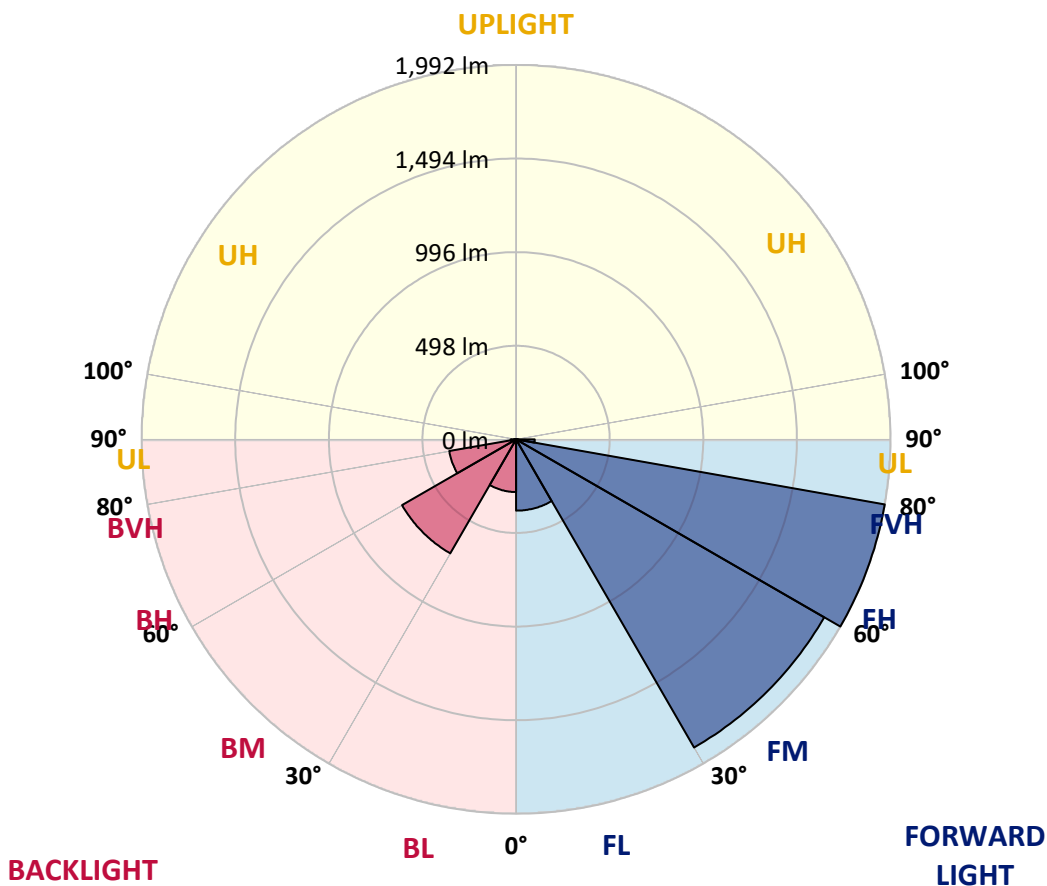
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	379.2	6.6			
FM (30°-60°)	1892.9	33.0			
FH (60°-80°)	1991.6	34.7			G2/5000
FVH (80°-90°)	99.1	1.7			G1/100
BL (0°-30°)	280.4	4.9	B1/500		
BM (30°-60°)	700.3	12.2	B1/1000		
BH (60°-80°)	361.0	6.3	B1/500		G1/500
BVH (80°-90°)	29.3	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°	714.9	714.9	714.9	714.9	714.9	714.9	714.9	714.9	714.9	714.9	714.9
2.5°	776.7	773.7	769.3	754.4	745.1	734.6	723.7	710.9	696.5	686.4	676.3
5°	842.5	837.7	827.2	791.6	767.1	740.3	718.0	692.5	667.5	650.4	633.3
7.5°	905.7	899.5	883.3	828.9	789.0	750.4	716.6	679.8	642.5	617.1	596.9
10°	968.8	956.1	935.5	864.4	811.8	767.1	728.5	683.3	633.7	599.1	577.6
12.5°	1017.1	1005.2	982.9	896.9	834.6	778.5	735.1	693.4	651.3	614.5	592.5
15°	1062.2	1046.9	1021.5	927.2	853.5	778.0	721.9	685.5	679.4	670.2	641.6
17.5°	1094.7	1080.7	1054.3	951.7	864.0	764.4	685.5	664.0	691.6	719.7	692.5
20°	1123.2	1107.0	1080.2	968.8	866.2	734.2	641.2	641.6	685.1	723.7	717.1
22.5°	1147.3	1129.3	1105.7	988.1	865.3	692.1	602.6	628.9	672.3	702.6	703.5
25°	1177.1	1162.2	1142.5	1016.6	865.3	649.1	574.5	613.6	650.9	676.3	675.4
27.5°	1213.6	1203.5	1187.2	1060.0	873.2	613.1	558.8	593.8	623.2	645.2	644.7
30°	1254.3	1245.1	1232.8	1106.1	886.8	586.4	550.0	569.3	590.8	608.3	608.3
32.5°	1296.0	1292.5	1279.3	1142.9	876.3	578.0	542.5	544.7	556.1	570.6	569.3
35°	1353.9	1350.4	1333.7	1171.4	830.7	566.2	530.7	519.7	521.0	530.2	533.3
37.5°	1438.5	1433.3	1408.7	1204.8	761.8	536.4	511.4	493.4	489.5	493.4	499.1
40°	1540.7	1532.8	1499.5	1250.0	682.4	496.0	481.1	466.2	459.6	460.9	467.5
42.5°	1668.8	1652.1	1604.3	1297.8	603.9	460.5	447.4	438.1	430.7	429.8	442.5
45°	1876.7	1831.1	1755.2	1340.3	537.7	441.7	417.1	410.5	404.4	407.9	422.8
47.5°	2239.8	2155.6	2007.8	1376.7	497.4	442.1	393.0	386.0	385.5	392.5	409.2
50°	2738.9	2617.4	2389.4	1401.3	476.3	447.4	378.5	367.1	375.4	382.4	398.2
52.5°	3217.0	3031.5	2760.0	1400.8	467.1	448.2	382.4	349.5	375.4	377.2	392.1
55°	3625.3	3289.4	2860.0	1257.0	453.9	444.7	397.8	336.0	370.6	377.2	389.0
57.5°	3949.9	3453.4	2852.5	1015.3	493.8	425.4	407.0	332.9	356.6	378.1	391.7
60°	3913.9	3378.4	2668.8	623.2	489.9	391.2	405.7	338.6	332.9	366.2	388.6
62.5°	3674.9	3109.5	2352.5	432.4	460.1	371.5	384.2	348.7	311.0	349.1	373.7
65°	3340.2	2762.6	1960.5	331.6	381.1	372.4	347.8	341.7	291.7	321.9	348.2
67.5°	2897.7	2332.4	1547.8	262.7	265.8	322.4	315.8	303.5	273.7	297.8	321.5
70°	2178.4	1702.1	1064.9	211.4	201.3	269.3	283.8	272.8	256.1	263.1	288.1
72.5°	1535.0	1111.4	583.3	167.5	155.3	207.0	246.5	244.7	226.3	231.6	256.1
75°	1140.7	786.4	364.5	132.5	126.3	148.2	206.6	211.8	196.5	202.6	221.5
77.5°	759.2	509.2	202.6	98.2	98.2	108.3	153.9	178.5	167.1	171.9	185.1
80°	418.8	259.2	101.3	64.5	66.2	74.6	112.3	128.5	128.9	140.8	144.3
82.5°	132.5	82.5	45.2	37.7	35.5	42.5	72.4	92.1	86.0	109.6	100.9
85°	30.3	19.3	8.3	8.3	9.2	14.0	27.6	49.1	62.7	75.4	54.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	19.3	28.5	25.4
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°	714.9	714.9	714.9	714.9	714.9	714.9	714.9	714.9	714.9	714.9	714.9
2.5°	670.2	661.4	658.7	651.3	650.4	643.4	640.8	640.8	643.8	643.8	646.9
5°	626.3	615.3	609.2	600.4	598.2	593.0	589.5	589.9	593.8	596.5	601.7
7.5°	587.7	580.2	575.9	571.9	571.0	570.2	566.2	565.8	567.1	571.0	575.0
10°	571.5	566.2	567.5	570.6	575.4	578.0	574.5	572.8	571.5	574.1	577.6
12.5°	587.3	582.0	584.6	589.9	596.5	599.1	597.8	597.3	598.7	608.7	616.2
15°	621.9	611.8	608.3	610.5	615.8	618.4	617.1	618.8	627.2	653.5	672.3
17.5°	664.9	640.3	626.3	622.3	624.5	626.7	626.7	631.1	645.6	684.2	707.9
20°	688.1	656.1	632.4	622.8	623.7	625.9	625.9	632.0	648.2	689.4	704.8
22.5°	682.0	652.6	623.7	613.1	613.6	615.3	615.3	620.6	635.1	671.5	678.5
25°	657.9	632.0	603.5	594.3	595.2	598.2	597.3	600.4	611.4	641.2	645.2
27.5°	628.9	606.1	578.0	571.0	575.0	581.1	575.9	576.3	586.4	611.4	611.8
30°	597.8	578.9	553.9	548.7	556.1	559.2	554.4	554.4	564.5	581.6	581.1
32.5°	564.0	552.2	534.2	528.5	536.8	541.6	535.5	536.4	544.3	555.7	551.3
35°	532.4	526.3	518.0	514.0	519.3	523.7	519.7	521.5	528.9	532.0	525.9
37.5°	502.2	501.3	502.2	502.2	503.5	504.8	502.2	506.6	513.1	509.2	502.2
40°	475.9	479.4	487.7	485.5	484.2	485.5	483.8	491.2	497.8	490.8	482.4
42.5°	453.9	460.5	473.2	473.2	470.6	471.5	470.6	479.8	484.6	475.0	465.8
45°	435.1	444.7	460.9	463.1	458.8	458.8	460.5	471.9	473.7	460.5	450.9
47.5°	421.9	433.8	452.2	456.1	449.5	449.1	453.9	466.2	466.2	450.9	439.9
50°	412.7	425.9	447.8	453.1	446.5	444.7	452.6	464.5	461.8	443.4	432.4
52.5°	406.6	420.2	447.4	454.8	450.4	448.7	456.6	464.9	458.3	438.6	427.2
55°	402.6	417.5	448.7	454.8	450.0	446.9	454.8	462.3	458.8	435.9	425.0
57.5°	404.8	419.7	446.9	450.0	444.3	439.0	448.2	458.8	457.4	436.8	425.9
60°	401.3	414.9	437.3	438.1	428.5	420.2	433.8	449.5	449.5	433.8	424.1
62.5°	385.1	398.7	418.4	419.3	408.3	399.1	414.9	433.8	433.3	420.6	410.5
65°	358.3	371.0	393.4	395.6	384.6	375.0	391.2	408.8	410.1	398.7	389.9
67.5°	328.9	340.3	357.0	365.8	356.6	346.5	361.4	378.1	377.6	364.0	354.8
70°	293.8	304.4	319.7	327.2	321.5	311.8	325.4	334.2	330.3	323.7	317.5
72.5°	259.2	269.3	283.8	283.8	277.6	268.4	272.4	288.1	293.0	288.1	284.2
75°	222.8	231.6	241.7	243.9	230.3	213.6	232.0	245.6	251.3	249.1	244.3
77.5°	185.5	192.1	207.0	203.1	177.6	168.9	183.8	203.9	207.9	206.6	200.0
80°	143.0	146.9	162.7	154.8	135.1	129.4	136.0	151.7	152.6	148.2	139.9
82.5°	96.0	101.3	111.8	96.5	96.0	90.8	85.5	87.3	95.2	94.3	88.6
85°	49.1	51.8	61.8	57.9	49.6	43.0	40.8	43.4	39.0	35.5	30.7
87.5°	20.6	22.4	30.7	17.1	5.3	0.0	0.0	2.6	3.9	5.7	6.1
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°	714.9	714.9	714.9	714.9	714.9	714.9	714.9	714.9	714.9	714.9	714.9
2.5°	653.9	658.7	670.6	685.5	700.0	714.9	731.1	741.2	753.5	769.3	769.7
5°	608.3	619.3	636.4	659.2	682.9	710.1	741.6	768.0	799.5	824.5	834.6
7.5°	580.2	596.0	617.5	646.5	677.6	711.4	752.6	796.9	848.7	882.0	901.7
10°	582.9	607.0	628.5	653.0	681.1	717.5	770.6	829.4	892.9	936.8	961.4
12.5°	629.8	655.2	651.3	650.0	668.8	713.1	785.1	862.2	939.9	983.7	1013.1
15°	689.0	698.7	661.4	633.3	644.7	697.3	793.0	891.6	978.9	1032.4	1061.4
17.5°	719.3	700.0	654.8	612.7	609.6	673.2	796.9	921.5	1022.8	1076.3	1107.0
20°	705.2	677.2	639.0	599.1	577.2	640.3	794.7	945.1	1062.7	1122.3	1147.3
22.5°	675.0	650.4	620.6	582.4	550.9	604.4	789.0	968.8	1098.2	1158.3	1180.2
25°	642.1	623.7	599.1	565.8	535.9	572.8	785.1	1000.4	1139.0	1196.4	1210.5
27.5°	609.2	595.6	575.4	549.5	532.4	550.9	786.4	1041.6	1191.6	1246.0	1240.3
30°	576.7	564.9	550.9	539.5	532.0	545.6	782.9	1085.5	1249.5	1300.0	1266.2
32.5°	546.0	535.1	526.3	528.1	532.4	547.8	764.9	1125.4	1302.6	1345.6	1294.3
35°	519.7	508.3	508.3	514.5	530.7	540.3	718.4	1156.5	1361.4	1404.3	1334.2
37.5°	495.2	485.1	491.6	501.7	517.1	520.2	658.7	1186.8	1446.9	1487.2	1396.0
40°	473.7	463.6	475.4	488.1	496.0	494.7	598.2	1228.9	1547.8	1589.4	1478.0
42.5°	456.6	447.4	457.9	474.1	475.4	476.7	553.9	1269.3	1664.9	1717.9	1619.2
45°	442.5	435.9	441.2	457.4	457.4	477.6	526.3	1303.0	1841.2	1935.0	1878.4
47.5°	431.6	427.6	430.2	435.5	444.3	493.4	508.8	1328.9	2162.2	2346.4	2289.4
50°	425.4	421.5	425.0	414.0	440.3	501.3	503.1	1348.6	2585.4	2874.0	2803.4
52.5°	420.2	418.8	421.0	395.6	449.1	496.0	498.7	1322.3	2869.2	3393.3	3463.0
55°	418.4	419.3	408.8	382.0	459.6	478.5	485.5	1134.2	2946.4	3841.1	4274.0
57.5°	419.3	416.7	389.9	383.3	460.1	443.4	504.4	809.2	2834.1	4035.8	5067.4
60°	416.2	403.1	367.1	395.2	439.9	402.2	490.8	527.6	2538.1	3886.3	5113.4
62.5°	402.6	383.3	347.4	401.7	403.9	377.6	445.6	406.6	2143.3	3566.1	4669.6
65°	382.9	357.0	330.7	388.1	367.5	366.2	335.1	325.9	1723.6	3185.0	4248.5
67.5°	350.4	324.5	318.4	357.0	330.7	324.5	269.3	270.2	1375.4	2778.8	3825.3
70°	313.6	287.7	292.5	322.8	294.3	269.7	218.0	225.0	1043.4	2315.3	3254.7
72.5°	289.5	254.8	255.3	284.2	258.8	218.4	179.4	185.5	662.3	1745.1	2587.6
75°	244.3	224.6	214.9	230.3	219.7	170.2	150.9	149.6	392.5	1250.8	1937.6
77.5°	203.9	188.6	183.8	189.9	164.0	125.9	121.5	119.3	222.4	801.3	1269.7
80°	147.8	143.9	143.4	146.5	126.3	92.5	92.5	93.0	119.7	435.1	715.8
82.5°	93.9	102.6	90.8	100.9	86.0	65.8	61.4	69.7	68.9	185.5	301.7
85°	39.0	53.5	50.0	53.1	40.8	36.0	38.6	41.7	39.9	71.5	117.5
87.5°	7.5	8.8	9.6	9.2	9.2	11.4	12.7	15.4	15.4	20.6	35.5
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°	714.9	714.9	714.9	714.9	714.9	714.9	714.9	714.9	714.9	714.9
2.5°	786.4	799.1	796.5	802.2	794.7	797.3	782.4	778.5	775.8	776.7
5°	867.1	892.9	897.8	907.4	900.8	900.8	874.5	854.8	847.8	842.5
7.5°	949.1	986.4	1010.9	1013.6	1010.1	1003.0	964.9	929.4	916.6	905.7
10°	1021.9	1066.6	1094.3	1107.4	1100.8	1089.9	1042.5	993.8	978.5	968.8
12.5°	1077.6	1117.1	1135.5	1144.3	1143.4	1139.4	1100.8	1048.2	1032.0	1017.1
15°	1113.6	1133.3	1126.3	1125.8	1132.0	1147.8	1135.9	1094.7	1075.8	1062.2
17.5°	1136.8	1117.9	1086.8	1072.3	1085.5	1122.8	1150.0	1126.7	1109.6	1094.7
20°	1145.1	1078.0	1032.9	1006.1	1021.5	1075.4	1142.5	1150.0	1135.5	1123.2
22.5°	1135.5	1029.3	967.9	936.4	951.3	1015.8	1120.6	1168.8	1159.2	1147.3
25°	1111.8	978.5	904.8	876.3	892.5	958.3	1081.5	1186.4	1186.8	1177.1
27.5°	1082.4	931.5	860.5	833.7	849.5	910.9	1043.4	1201.7	1217.1	1213.6
30°	1052.6	903.5	839.4	820.6	832.4	886.8	1004.3	1217.5	1248.2	1254.3
32.5°	1039.0	917.1	889.0	897.3	882.0	900.8	990.3	1239.9	1285.9	1296.0
35°	1057.0	1037.7	1108.7	1141.6	1087.2	1015.8	1008.3	1273.6	1339.0	1353.9
37.5°	1144.3	1296.0	1402.1	1517.9	1423.6	1266.2	1097.3	1331.1	1414.9	1438.5
40°	1334.2	1521.4	1713.1	1862.7	1720.1	1508.3	1266.6	1416.6	1519.2	1540.7
42.5°	1513.1	1732.8	1996.9	2190.3	2005.2	1706.1	1449.1	1560.5	1657.0	1668.8
45°	1688.5	1940.3	2340.3	2609.1	2357.8	1894.2	1635.5	1803.4	1876.2	1876.7
47.5°	1894.2	2174.0	2771.0	3153.8	2825.8	2102.6	1810.5	2188.1	2289.4	2239.8
50°	2140.3	2406.5	3214.4	3787.6	3396.4	2358.7	2032.8	2656.9	2795.1	2738.9
52.5°	2469.6	2662.6	3702.9	4405.5	4018.3	2650.3	2355.2	3276.2	3321.8	3217.0
55°	2933.2	3032.3	4330.1	5168.7	4712.5	3009.5	2826.7	4053.4	3925.7	3625.3
57.5°	3988.9	3617.4	5135.3	6039.3	5498.0	3662.1	3859.9	4910.3	4456.4	3949.9
60°	4872.2	4327.9	5880.5	6903.3	6171.3	4381.4	4830.1	5059.5	4436.7	3913.9
62.5°	4574.4	4509.0	6149.3	6998.4	6401.1	4735.4	4649.8	4683.6	4147.2	3674.9
65°	4013.4	4159.5	5909.4	6547.1	6146.3	4418.3	4206.0	4336.2	3816.1	3340.2
67.5°	3682.3	3789.8	5482.7	5824.8	5683.1	4075.3	3860.8	3766.5	3302.1	2897.7
70°	3343.7	3432.8	4883.6	4918.2	4960.8	3505.1	3156.9	2876.2	2461.3	2178.4
72.5°	2889.4	2894.2	4126.2	3925.3	4006.0	2742.9	2541.1	2150.4	1791.6	1535.0
75°	2424.0	2291.6	3266.1	2743.8	2905.6	2133.7	2110.0	1620.6	1351.3	1140.7
77.5°	1848.2	1693.4	2385.9	1804.3	2040.7	1421.0	1586.3	1099.1	950.8	759.2
80°	1240.7	1144.3	1318.4	1018.4	1335.0	979.4	1034.6	622.8	539.9	418.8
82.5°	654.4	558.8	814.9	603.9	805.2	538.1	388.1	192.5	164.0	132.5
85°	253.5	293.4	399.5	214.9	312.3	192.1	112.3	47.8	39.9	30.3
87.5°	49.1	75.9	41.7	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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