

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: P630456

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630456
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-SA1D-760-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5792.5 lumens
Efficiency: N/A
Efficacy: 130.8 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

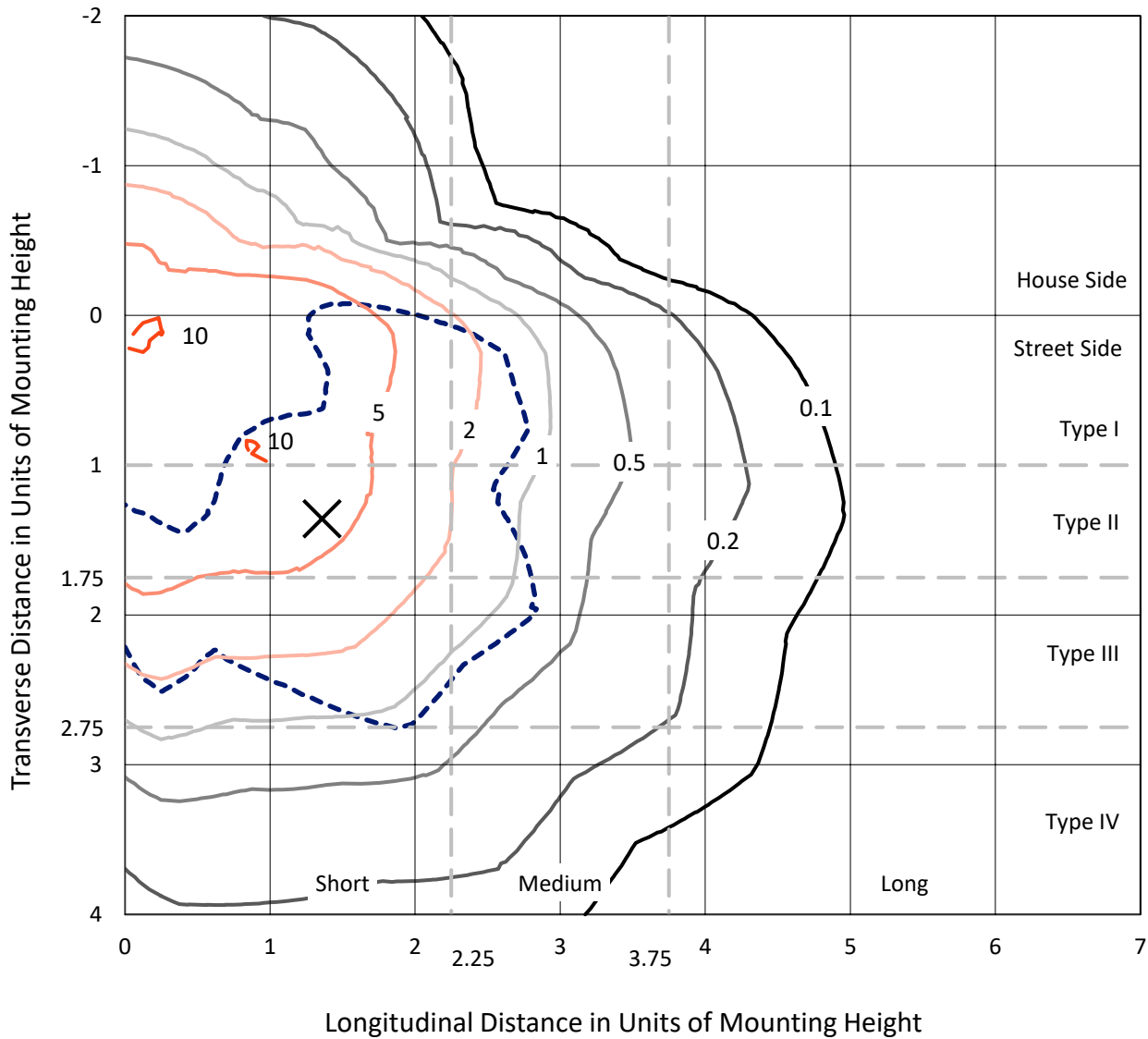
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

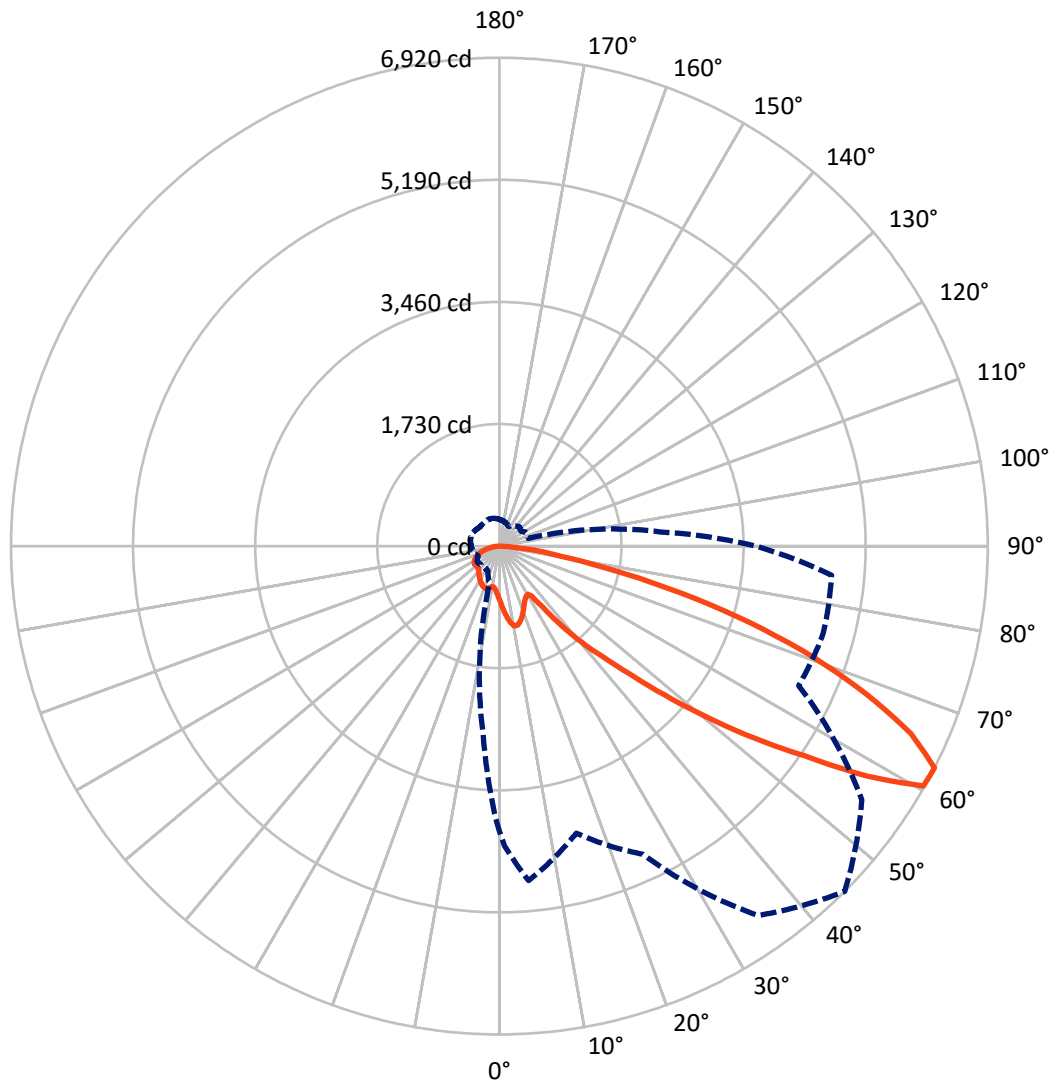
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 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
House Side	Lumens	1382.2	0.0	1382.2
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4410.3	0.0	4410.3
	% Fixture	76.1	0.0	76.1
Total	Lumens	5792.5	0.0	5792.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	1.3
10°-20°	235.4	4.1
20°-30°	365.6	6.3
30°-40°	496.4	8.6
40°-50°	786.7	13.6
50°-60°	1387.7	24.0
60°-70°	1544.1	26.7
70°-80°	783.1	13.5
80°-90°	118.6	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°	5792.5	100.0
0°-180°	5792.5	100.0

Coefficient of Utilization



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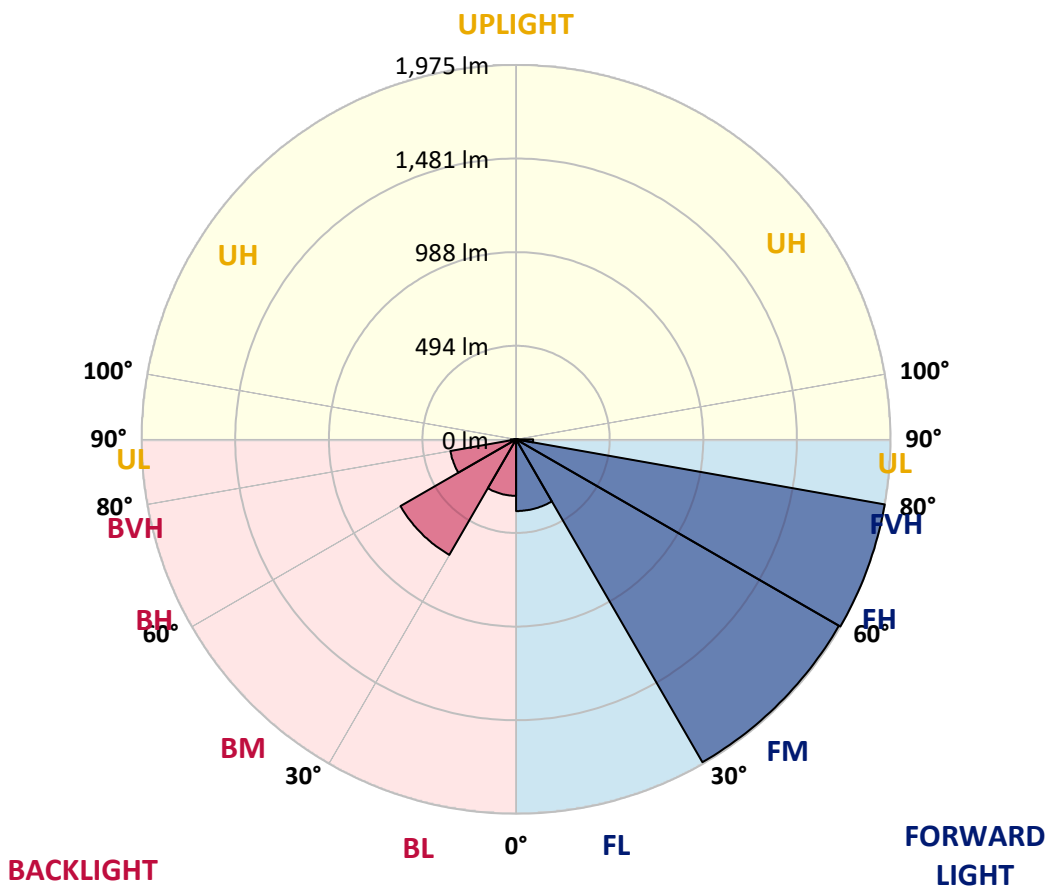
CATALOG NUMBER: GWS-SA1D-760-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	378.2	6.5			
FM (30°-60°)	1966.8	34.0			
FH (60°-80°)	1975.3	34.1			G2/5000
FVH (80°-90°)	90.0	1.6			G1/100
BL (0°-30°)	297.8	5.1	B1/500		
BM (30°-60°)	704.0	12.2	B1/1000		
BH (60°-80°)	351.8	6.1	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°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8
2.5°	826.2	825.8	834.1	846.8	858.7	863.9	872.7	871.8	864.8	855.6	852.5
5°	891.1	892.9	907.4	935.4	966.6	979.7	985.4	983.2	970.5	954.3	925.8
7.5°	949.9	953.0	975.3	1017.4	1056.0	1073.6	1087.6	1085.0	1066.6	1036.3	994.2
10°	992.9	996.4	1023.1	1072.7	1115.7	1131.0	1149.0	1149.9	1133.7	1092.9	1049.9
12.5°	1035.9	1039.4	1064.4	1109.5	1137.6	1138.0	1148.6	1154.3	1155.1	1136.3	1093.3
15°	1080.6	1083.7	1106.5	1131.9	1130.6	1106.0	1106.0	1117.0	1141.1	1154.7	1124.9
17.5°	1118.7	1122.7	1140.2	1131.9	1092.9	1048.6	1043.3	1057.4	1099.5	1151.6	1148.6
20°	1150.3	1153.4	1163.0	1107.8	1036.7	978.8	968.8	985.0	1042.0	1132.8	1166.6
22.5°	1180.6	1182.3	1177.1	1076.2	976.2	910.0	897.7	914.8	976.2	1099.5	1181.9
25°	1216.5	1214.8	1189.8	1043.3	921.0	855.6	842.9	862.2	926.2	1055.2	1198.6
27.5°	1258.2	1251.6	1200.8	1007.8	878.4	815.3	806.5	827.1	886.8	1014.4	1211.7
30°	1293.7	1281.0	1202.5	976.2	856.5	798.2	792.9	812.2	867.5	986.7	1228.4
32.5°	1333.2	1315.7	1212.6	967.9	868.8	839.4	846.4	847.7	872.7	978.8	1253.4
35°	1389.8	1367.0	1240.2	992.0	995.1	1044.6	1070.1	1035.9	952.1	996.4	1300.7
37.5°	1475.3	1446.3	1296.4	1096.4	1256.0	1367.0	1428.4	1350.3	1193.3	1062.6	1372.2
40°	1579.2	1542.4	1368.3	1289.3	1499.9	1677.5	1786.7	1672.2	1441.5	1227.9	1472.7
42.5°	1724.4	1685.8	1507.7	1478.8	1725.7	1990.2	2132.7	1962.1	1660.4	1441.5	1633.6
45°	1977.4	1940.2	1763.4	1668.7	1990.2	2375.2	2575.2	2337.9	1882.7	1656.0	1934.5
47.5°	2444.9	2401.1	2143.2	1879.2	2291.9	2875.2	3154.9	2809.4	2113.8	1901.6	2439.7
50°	3006.3	2964.2	2619.9	2128.3	2625.2	3409.7	3798.7	3363.3	2380.0	2200.2	3043.6
52.5°	3681.7	3673.8	3300.1	2443.2	2972.1	3979.9	4513.1	3976.8	2671.7	2602.4	3727.7
55°	4290.4	4367.5	4164.1	2923.4	3420.3	4696.0	5247.7	4646.0	3067.2	3267.2	4528.9
57.5°	4618.4	4825.8	5138.5	3903.1	4072.0	5552.1	6154.2	5463.1	3747.0	4374.1	5271.8
60°	4401.8	4636.8	5203.4	4640.8	4718.4	6238.0	6902.4	6149.8	4414.5	5142.5	5229.7
62.5°	4041.3	4252.2	4756.1	4210.1	4818.4	6388.8	6919.9	6269.6	4679.8	4752.6	4724.1
65°	3613.7	3826.4	4360.1	3675.1	4500.4	6030.5	6409.4	5917.4	4203.1	4293.9	4304.4
67.5°	3045.7	3242.2	3785.6	3267.7	4102.2	5504.7	5625.8	5415.7	3870.7	4015.4	3864.1
70°	2275.7	2452.8	2932.6	2655.4	3458.0	4819.7	4721.9	4753.0	3497.5	3641.3	3227.7
72.5°	1555.1	1688.4	2099.8	2086.6	2648.0	3858.4	3722.0	4017.1	2921.2	3112.0	2460.7
75°	1087.6	1191.5	1517.8	1648.5	2001.6	2859.8	2650.6	3006.7	2281.4	2553.7	1795.4
77.5°	667.5	736.3	958.7	1221.4	1287.6	1957.3	1646.3	2262.5	1602.0	1862.5	1197.7
80°	333.7	367.1	465.7	767.9	853.9	1153.4	909.1	1313.5	1084.1	1153.4	662.7
82.5°	100.9	111.4	136.4	291.6	442.5	664.0	537.2	763.1	592.0	540.7	260.9
85°	26.8	30.3	37.7	86.4	155.2	238.1	181.6	369.7	283.7	199.5	98.2
87.5°	2.2	2.2	1.8	1.8	0.9	0.0	0.0	26.3	53.1	30.3	17.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8
2.5°	837.2	835.4	817.5	804.3	789.0	774.0	758.7	745.1	729.8	714.4	710.0
5°	904.7	892.5	854.3	822.3	790.7	763.1	739.0	714.0	693.8	674.1	666.6
7.5°	964.4	942.9	887.6	839.0	795.1	760.9	725.4	689.0	660.5	632.4	625.4
10°	1018.3	989.8	920.1	858.7	810.0	771.0	729.3	680.6	639.4	605.2	596.0
12.5°	1058.2	1027.1	948.2	877.5	822.3	778.4	737.2	694.2	650.8	606.5	596.4
15°	1089.8	1057.4	971.4	892.0	822.7	766.2	726.2	711.3	697.7	654.3	635.9
17.5°	1115.2	1081.0	991.6	900.8	810.9	728.9	694.2	716.2	750.8	723.6	689.0
20°	1138.5	1103.8	1006.9	906.9	784.6	677.6	658.3	704.8	756.9	756.1	724.9
22.5°	1163.9	1130.2	1029.3	910.4	747.7	625.4	636.8	688.1	730.6	743.3	724.1
25°	1196.4	1166.6	1060.4	918.3	706.1	589.4	621.0	666.6	702.1	705.2	693.8
27.5°	1234.1	1211.7	1106.9	936.7	665.7	571.0	602.6	636.3	668.8	670.1	656.5
30°	1275.3	1260.4	1149.9	952.1	635.5	565.3	578.9	606.1	626.7	630.2	618.4
32.5°	1327.9	1314.8	1188.0	942.0	617.5	564.0	557.0	571.0	588.1	588.1	578.9
35°	1400.3	1381.9	1228.4	903.4	595.6	558.7	533.7	537.7	545.1	546.4	541.2
37.5°	1502.9	1472.7	1269.2	827.1	559.6	539.9	507.0	502.1	504.8	508.3	507.0
40°	1630.1	1580.5	1328.8	735.5	516.6	503.5	479.3	470.1	467.9	475.0	477.6
42.5°	1790.2	1714.3	1392.8	649.9	477.6	461.8	446.9	439.0	435.5	447.3	454.3
45°	2045.8	1920.9	1454.2	565.3	455.7	426.3	416.2	410.5	412.2	426.3	435.0
47.5°	2487.5	2236.2	1512.6	511.8	453.9	400.8	388.6	389.9	394.7	409.6	420.1
50°	3046.2	2658.5	1551.6	489.4	459.2	385.5	369.3	376.3	383.7	398.2	410.5
52.5°	3615.0	3051.9	1505.1	477.1	458.7	385.9	351.3	372.3	375.8	390.3	403.5
55°	4006.2	3095.7	1300.3	458.3	451.7	403.5	337.2	370.6	372.8	385.9	397.8
57.5°	4155.3	2945.8	991.6	463.6	430.7	417.1	331.1	358.3	374.1	385.5	397.8
60°	3975.0	2662.9	602.6	477.1	396.9	416.2	335.1	335.9	363.1	382.4	394.7
62.5°	3635.2	2299.8	423.2	438.6	372.3	392.9	344.3	309.6	343.8	367.1	378.0
65°	3245.7	1872.6	322.8	377.6	360.5	357.0	347.3	286.4	317.5	340.3	350.0
67.5°	2840.1	1455.6	262.3	281.6	325.8	322.8	317.5	265.8	286.4	302.6	313.6
70°	2329.2	1018.3	221.5	211.4	279.4	289.4	277.6	239.9	246.5	263.1	271.9
72.5°	1703.8	634.6	182.0	174.5	224.5	253.0	246.9	211.4	214.5	230.2	237.3
75°	1225.3	363.1	146.0	143.8	171.5	216.6	204.4	182.0	185.5	197.3	202.2
77.5°	778.9	202.2	112.7	115.8	122.8	161.8	174.5	155.7	155.7	162.7	166.7
80°	417.1	115.8	82.4	83.8	86.0	123.7	137.7	120.6	120.6	115.8	120.6
82.5°	170.2	66.7	56.6	52.6	57.5	84.6	96.5	76.7	80.3	72.4	74.1
85°	56.1	33.3	28.1	27.6	27.2	37.3	46.5	38.2	45.6	28.9	30.3
87.5°	7.5	6.1	3.5	2.6	3.1	1.3	2.6	3.1	3.1	2.2	2.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8
2.5°	706.9	703.4	690.7	693.8	691.6	688.1	691.6	685.0	690.3	692.0	703.0
5°	660.9	652.6	640.3	634.1	632.8	629.3	629.8	626.7	627.6	635.0	647.3
7.5°	619.7	611.8	602.1	597.7	593.8	589.9	589.4	589.0	592.5	599.1	610.9
10°	589.9	585.5	581.5	583.3	581.5	579.8	576.7	576.7	582.4	594.2	608.7
12.5°	589.9	589.0	589.9	595.1	594.7	595.1	591.2	593.4	609.1	629.3	649.9
15°	621.4	614.4	614.4	617.0	616.2	616.2	616.2	625.4	661.3	692.5	714.4
17.5°	660.0	639.4	630.6	629.3	628.9	628.9	630.6	650.4	706.5	739.4	752.1
20°	686.8	647.7	633.3	627.6	628.0	628.9	634.1	661.3	723.2	739.8	736.8
22.5°	691.6	641.2	623.6	615.3	616.6	617.5	625.4	654.3	700.4	703.0	696.9
25°	669.2	622.7	603.9	597.3	599.1	598.6	605.6	626.7	659.6	658.7	655.2
27.5°	635.9	593.4	579.3	574.9	578.0	574.5	576.7	592.9	618.4	617.5	616.2
30°	601.7	564.9	552.1	549.9	553.9	548.6	549.1	562.7	580.2	579.3	578.9
32.5°	567.5	536.4	524.9	524.9	528.9	523.2	524.1	535.9	547.8	544.2	544.2
35°	535.0	513.1	503.9	502.1	505.2	501.3	503.0	514.0	518.4	513.5	510.5
37.5°	506.5	496.9	487.7	481.5	482.0	482.4	487.7	496.0	493.4	486.4	482.4
40°	480.2	480.2	471.4	460.0	458.7	461.8	470.6	479.8	472.3	464.4	459.6
42.5°	461.4	465.3	457.0	445.6	442.9	448.2	457.8	464.4	455.7	446.9	440.3
45°	443.8	453.5	447.8	435.0	431.5	437.7	450.0	452.6	440.7	432.4	427.6
47.5°	431.5	444.7	440.7	428.5	423.2	432.0	444.7	444.3	429.3	420.6	416.6
50°	422.8	439.4	439.0	428.5	422.8	433.7	445.1	439.4	423.2	414.0	410.0
52.5°	415.7	439.0	442.1	435.9	432.0	441.6	448.6	437.7	418.8	409.2	406.1
55°	412.7	440.7	442.9	437.2	433.7	442.5	448.6	441.2	418.8	410.0	407.4
57.5°	413.6	438.6	439.0	431.1	425.0	435.9	445.6	443.4	423.6	413.6	410.5
60°	408.3	426.7	427.6	415.3	408.3	421.4	438.6	437.2	421.4	410.9	405.2
62.5°	390.8	407.0	407.4	396.0	385.9	404.8	423.6	423.2	408.7	398.2	391.6
65°	361.4	378.5	382.9	371.9	364.0	384.2	403.9	403.0	388.6	378.9	372.3
67.5°	325.0	343.4	351.7	344.3	341.2	359.6	378.0	377.6	365.8	356.5	350.8
70°	280.7	296.0	310.1	310.1	307.9	328.9	348.6	346.9	335.9	328.9	324.5
72.5°	243.8	255.7	260.1	264.4	271.0	293.0	309.6	310.9	303.0	299.5	303.0
75°	207.4	214.9	218.8	215.3	226.7	249.5	271.5	273.7	265.3	259.6	260.9
77.5°	170.6	178.9	182.9	175.0	174.1	203.0	229.8	234.6	227.6	218.8	221.5
80°	123.2	134.2	140.8	135.5	133.8	146.5	183.3	188.6	182.0	175.0	178.9
82.5°	75.4	81.6	83.3	88.6	99.6	104.8	118.0	135.5	130.7	124.5	135.5
85°	29.8	35.5	39.5	44.7	52.2	61.8	72.8	86.8	78.9	76.3	89.9
87.5°	1.8	0.4	0.0	0.9	7.5	14.5	31.1	43.0	36.0	38.6	46.5
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°	359°	360°
0°	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8
2.5°	711.8	723.2	738.5	751.2	767.5	782.8	798.6	814.4	822.7	826.2
5°	661.3	682.4	706.9	734.1	765.7	799.0	832.8	867.5	889.4	891.1
7.5°	631.1	661.3	695.1	729.3	768.3	814.4	867.9	921.4	943.8	949.9
10°	640.7	674.5	701.2	733.3	776.2	833.7	896.8	959.6	985.4	992.9
12.5°	679.3	685.9	694.2	723.6	776.2	850.4	926.7	1001.2	1028.8	1035.9
15°	711.3	679.8	664.8	696.0	765.7	864.8	958.2	1040.7	1074.0	1080.6
17.5°	714.0	659.6	627.1	655.2	747.3	874.9	988.5	1084.5	1112.6	1118.7
20°	687.2	638.1	596.0	613.1	722.3	879.3	1010.4	1116.6	1144.2	1150.3
22.5°	657.0	620.6	574.9	574.1	692.0	884.1	1036.7	1146.8	1176.6	1180.6
25°	628.4	596.4	557.8	545.6	657.0	893.3	1072.3	1192.4	1215.2	1216.5
27.5°	595.1	570.6	544.2	532.4	626.3	910.9	1124.9	1246.8	1260.4	1258.2
30°	564.9	546.4	534.6	531.1	607.0	924.0	1174.9	1300.3	1301.2	1293.7
32.5°	532.8	525.8	525.8	537.2	591.2	921.0	1215.7	1352.5	1344.2	1333.2
35°	504.3	505.7	514.9	541.6	564.9	890.3	1254.7	1417.8	1405.6	1389.8
37.5°	477.1	487.2	500.4	526.3	530.2	844.7	1300.3	1510.4	1495.0	1475.3
40°	453.9	469.3	484.6	497.3	493.4	779.7	1363.9	1619.1	1602.0	1579.2
42.5°	435.5	450.4	467.5	468.8	470.1	712.2	1431.4	1752.5	1749.4	1724.4
45°	423.6	433.3	449.5	447.3	468.8	637.7	1493.7	1955.9	1996.3	1977.4
47.5°	415.7	423.2	425.0	434.2	480.2	571.0	1574.0	2354.2	2466.4	2444.9
50°	411.4	418.8	399.1	435.0	482.0	528.0	1684.9	2854.1	3034.8	3006.3
52.5°	410.9	409.2	379.3	444.3	472.3	501.7	1742.8	3219.0	3619.8	3681.7
55°	411.8	389.9	369.3	446.9	453.0	492.1	1549.0	3394.4	4159.7	4290.4
57.5°	403.9	368.8	375.0	436.4	416.6	517.9	1145.1	3331.7	4375.4	4618.4
60°	389.0	348.6	385.5	407.9	379.3	473.6	788.5	3051.9	4151.8	4401.8
62.5°	367.5	334.6	384.2	371.0	365.8	387.7	542.1	2660.3	3797.0	4041.3
65°	343.4	323.2	363.6	335.5	338.6	298.2	383.3	2218.2	3373.3	3613.7
67.5°	317.5	316.2	333.3	298.7	285.9	236.4	279.4	1777.9	2829.1	3045.7
70°	288.1	297.8	303.0	265.3	232.0	185.5	207.4	1243.3	2087.1	2275.7
72.5°	258.7	259.6	267.1	230.7	173.7	148.7	155.7	753.0	1417.8	1555.1
75°	228.9	220.6	227.6	187.7	129.4	121.9	120.2	465.3	979.3	1087.6
77.5°	196.9	187.7	178.5	141.2	103.9	94.3	92.1	260.9	600.8	667.5
80°	160.1	147.8	133.3	103.5	75.9	67.5	67.1	127.2	299.5	333.7
82.5°	124.5	101.3	97.4	64.5	46.9	41.2	43.9	48.7	90.3	100.9
85°	87.3	73.7	51.7	25.9	21.1	17.1	16.7	14.5	24.1	26.8
87.5°	48.7	32.0	16.7	3.1	3.5	3.9	3.1	2.2	2.2	2.2
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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