

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: P634086

Luminaire Tested: GWS-SA3B-722-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634086
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-SA3B-722-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7254.4 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

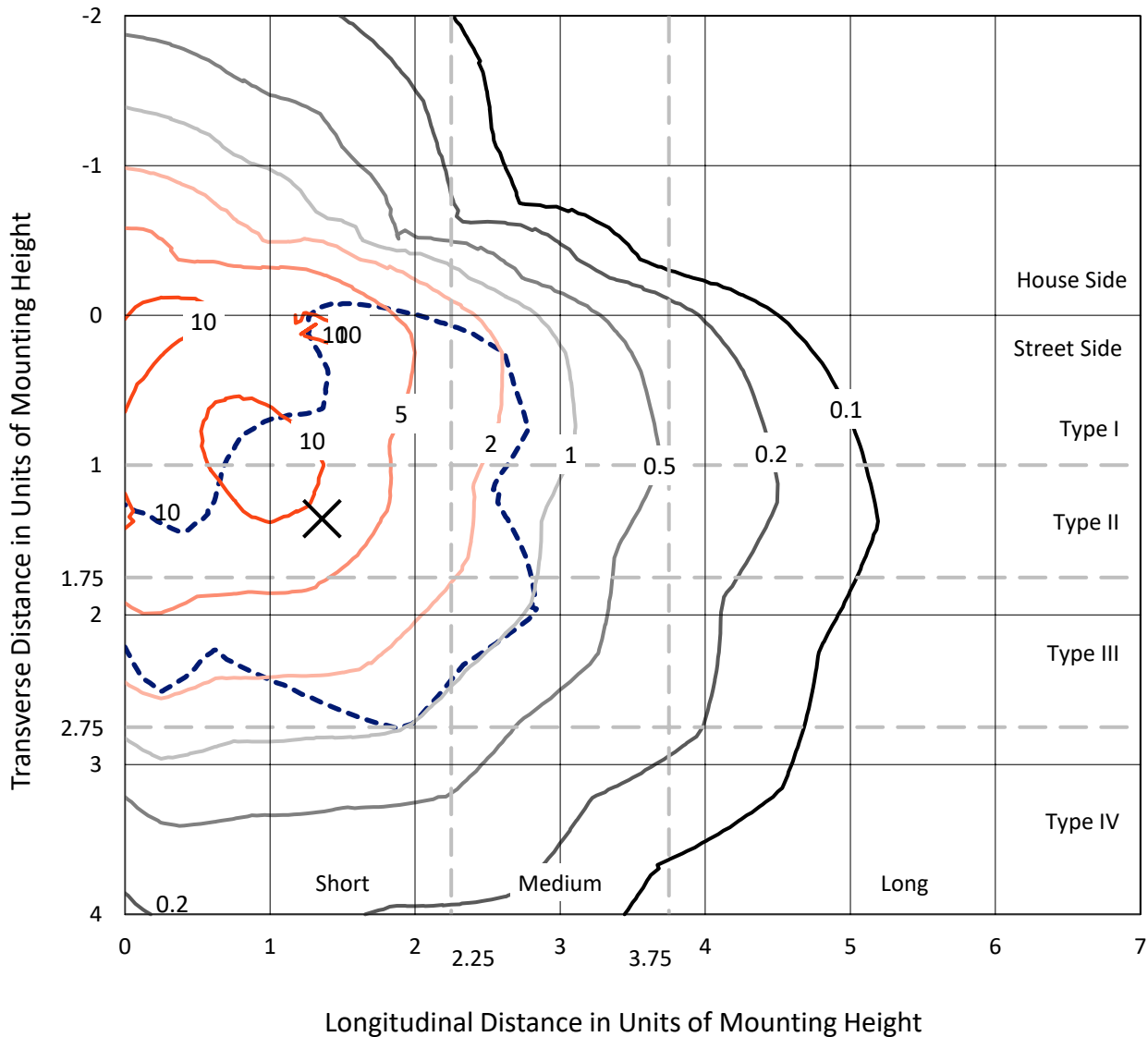
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

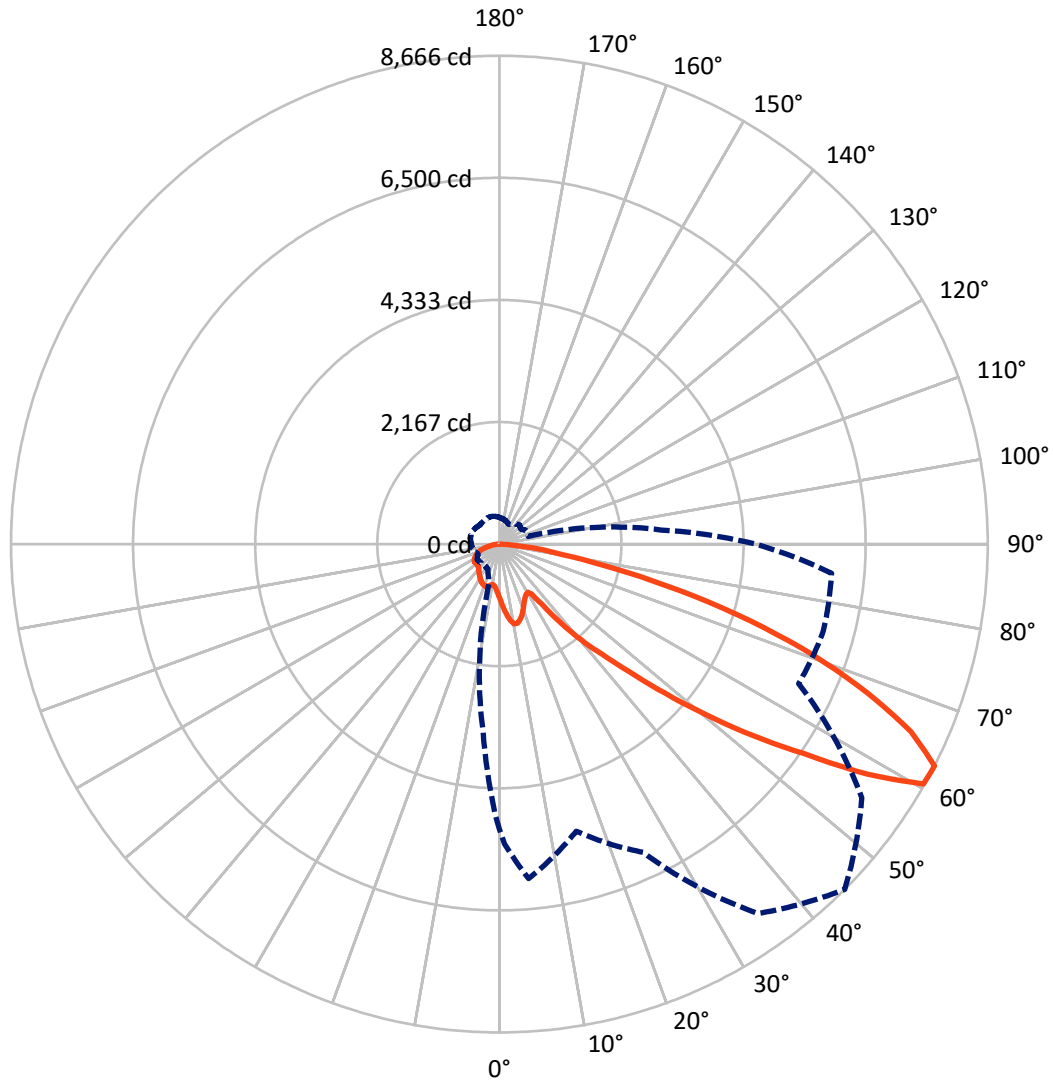
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 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	1731.0	0.0	1731.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5523.4	0.0	5523.4
	% Fixture	76.1	0.0	76.1
Total	Lumens	7254.4	0.0	7254.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.0	1.3
10°-20°	294.8	4.1
20°-30°	457.8	6.3
30°-40°	621.6	8.6
40°-50°	985.2	13.6
50°-60°	1737.9	24.0
60°-70°	1933.7	26.7
70°-80°	980.7	13.5
80°-90°	148.5	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°	7254.4	100.0
0°-180°	7254.4	100.0

Coefficient of Utilization



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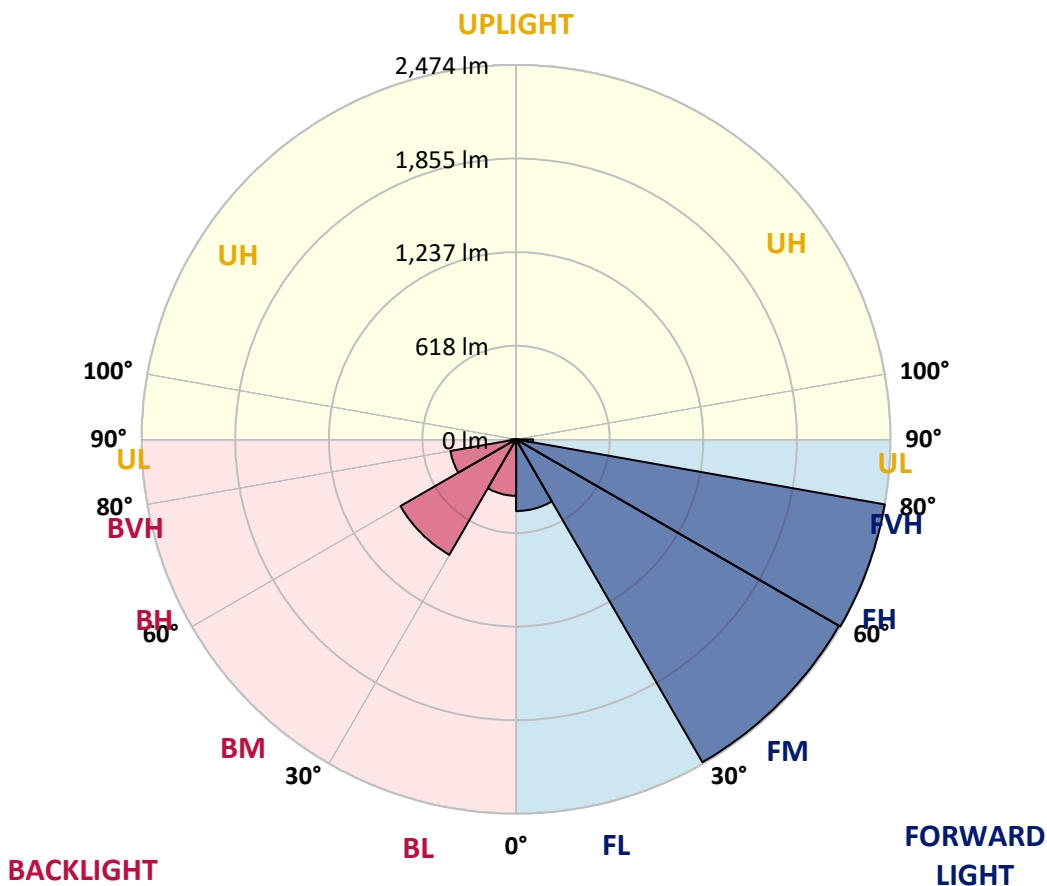
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.7	6.5			
FM (30°-60°)	2463.2	34.0			
FH (60°-80°)	2473.8	34.1			G2/5000
FVH (80°-90°)	112.7	1.6			G2/225
BL (0°-30°)	373.0	5.1	B1/500		
BM (30°-60°)	881.6	12.2	B1/1000		
BH (60°-80°)	440.6	6.1	B1/500		G1/500
BVH (80°-90°)	35.8	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°	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8
2.5°	1034.8	1034.2	1044.6	1060.6	1075.4	1082.0	1093.0	1091.9	1083.1	1071.6	1067.7
5°	1116.0	1118.2	1136.4	1171.5	1210.5	1227.0	1234.1	1231.4	1215.5	1195.1	1159.4
7.5°	1189.6	1193.5	1221.5	1274.2	1322.6	1344.5	1362.1	1358.8	1335.7	1297.8	1245.1
10°	1243.5	1247.9	1281.4	1343.4	1397.3	1416.5	1439.0	1440.1	1419.8	1368.7	1314.9
12.5°	1297.3	1301.7	1333.0	1389.6	1424.7	1425.3	1438.4	1445.6	1446.7	1423.1	1369.2
15°	1353.3	1357.2	1385.7	1417.6	1415.9	1385.2	1385.2	1398.9	1429.1	1446.1	1408.8
17.5°	1401.1	1406.0	1428.0	1417.6	1368.7	1313.2	1306.6	1324.2	1376.9	1442.3	1438.4
20°	1440.6	1444.5	1456.6	1387.4	1298.4	1225.9	1213.3	1233.6	1305.0	1418.7	1461.0
22.5°	1478.5	1480.7	1474.1	1347.8	1222.6	1139.7	1124.3	1145.7	1222.6	1376.9	1480.2
25°	1523.6	1521.4	1490.1	1306.6	1153.4	1071.6	1055.6	1079.8	1160.0	1321.5	1501.1
27.5°	1575.8	1567.5	1503.8	1262.1	1100.1	1021.0	1010.0	1035.9	1110.6	1270.4	1517.5
30°	1620.2	1604.3	1506.0	1222.6	1072.7	999.6	993.0	1017.2	1086.4	1235.8	1538.4
32.5°	1669.7	1647.7	1518.6	1212.2	1088.0	1051.2	1060.0	1061.7	1093.0	1225.9	1569.7
35°	1740.5	1712.0	1553.2	1242.4	1246.2	1308.3	1340.1	1297.3	1192.4	1247.9	1629.0
37.5°	1847.6	1811.4	1623.5	1373.1	1573.0	1712.0	1788.9	1691.1	1494.5	1330.8	1718.6
40°	1977.8	1931.7	1713.6	1614.7	1878.4	2100.8	2237.6	2094.2	1805.3	1537.9	1844.3
42.5°	2159.6	2111.3	1888.3	1852.0	2161.2	2492.4	2670.9	2457.3	2079.4	1805.3	2045.9
45°	2476.5	2429.8	2208.5	2089.8	2492.4	2974.7	3225.1	2928.0	2357.9	2073.9	2422.7
47.5°	3062.0	3007.1	2684.1	2353.5	2870.3	3600.8	3951.2	3518.4	2647.3	2381.5	3055.4
50°	3765.0	3712.3	3281.1	2665.4	3287.7	4270.3	4757.5	4212.1	2980.7	2755.5	3811.7
52.5°	4610.8	4600.9	4133.0	3059.8	3722.2	4984.3	5652.2	4980.5	3345.9	3259.2	4668.5
55°	5373.2	5469.8	5215.0	3661.2	4283.5	5881.2	6572.1	5818.6	3841.3	4091.8	5671.9
57.5°	5784.0	6043.8	6435.4	4888.2	5099.6	6953.3	7707.4	6841.8	4692.7	5478.1	6602.3
60°	5512.7	5807.0	6516.7	5812.0	5909.2	7812.3	8644.4	7701.9	5528.6	6440.3	6549.6
62.5°	5061.2	5325.4	5956.4	5272.6	6034.4	8001.2	8666.4	7851.8	5860.9	5952.0	5916.3
65°	4525.7	4792.1	5460.5	4602.6	5636.2	7552.5	8027.1	7410.8	5263.9	5377.5	5390.7
67.5°	3814.4	4060.5	4741.0	4092.3	5137.5	6894.0	7045.6	6782.5	4847.5	5028.8	4839.3
70°	2850.0	3071.9	3672.7	3325.6	4330.7	6036.1	5913.6	5952.6	4380.1	4560.3	4042.4
72.5°	1947.6	2114.6	2629.7	2613.3	3316.3	4832.2	4661.3	5031.0	3658.4	3897.4	3081.8
75°	1362.1	1492.3	1900.9	2064.6	2506.7	3581.6	3319.6	3765.5	2857.1	3198.2	2248.6
77.5°	835.9	922.2	1200.6	1529.6	1612.6	2451.2	2061.8	2833.5	2006.4	2332.6	1500.0
80°	418.0	459.7	583.3	961.7	1069.4	1444.5	1138.6	1645.0	1357.7	1444.5	829.9
82.5°	126.3	139.5	170.8	365.2	554.2	831.5	672.8	955.7	741.5	677.2	326.8
85°	33.5	37.9	47.2	108.2	194.4	298.2	227.4	463.0	355.4	249.9	123.0
87.5°	2.7	2.7	2.2	2.2	1.1	0.0	0.0	33.0	66.5	37.9	21.4
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°	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8
2.5°	1048.5	1046.3	1023.8	1007.3	988.1	969.4	950.2	933.1	913.9	894.7	889.2
5°	1133.1	1117.7	1069.9	1029.8	990.3	955.7	925.5	894.2	868.9	844.2	834.8
7.5°	1207.8	1180.9	1111.6	1050.7	995.8	952.9	908.4	862.8	827.1	792.0	783.2
10°	1275.3	1239.6	1152.3	1075.4	1014.4	965.6	913.4	852.4	800.8	757.9	746.4
12.5°	1325.3	1286.3	1187.4	1099.0	1029.8	974.9	923.3	869.4	815.1	759.6	747.0
15°	1364.8	1324.2	1216.6	1117.1	1030.4	959.5	909.5	890.9	873.8	819.5	796.4
17.5°	1396.7	1353.9	1241.8	1128.1	1015.5	912.8	869.4	896.9	940.3	906.2	862.8
20°	1425.8	1382.4	1261.0	1135.8	982.6	848.6	824.4	882.6	948.0	946.9	907.9
22.5°	1457.7	1415.4	1289.1	1140.2	936.4	783.2	797.5	861.7	915.0	931.0	906.8
25°	1498.3	1461.0	1328.0	1150.1	884.3	738.2	777.7	834.8	879.3	883.2	868.9
27.5°	1545.5	1517.5	1386.3	1173.2	833.7	715.1	754.6	796.9	837.6	839.2	822.2
30°	1597.2	1578.5	1440.1	1192.4	795.8	708.0	725.0	759.0	784.9	789.2	774.4
32.5°	1663.1	1646.6	1487.9	1179.8	773.3	706.3	697.5	715.1	736.5	736.5	725.0
35°	1753.7	1730.6	1538.4	1131.4	745.9	699.7	668.4	673.4	682.7	684.3	677.8
37.5°	1882.2	1844.3	1589.5	1035.9	700.8	676.1	634.9	628.9	632.2	636.6	634.9
40°	2041.5	1979.4	1664.2	921.1	647.0	630.5	600.3	588.8	586.0	594.8	598.1
42.5°	2242.0	2147.0	1744.4	814.0	598.1	578.3	559.7	549.8	545.4	560.2	569.0
45°	2562.2	2405.6	1821.3	708.0	570.7	533.9	521.2	514.1	516.3	533.9	544.8
47.5°	3115.3	2800.5	1894.3	641.0	568.5	502.0	486.6	488.3	494.3	513.0	526.2
50°	3815.0	3329.5	1943.2	612.9	575.0	482.8	462.5	471.2	480.6	498.7	514.1
52.5°	4527.3	3822.1	1885.0	597.6	574.5	483.3	439.9	466.3	470.7	488.8	505.3
55°	5017.3	3877.0	1628.5	573.9	565.7	505.3	422.4	464.1	466.8	483.3	498.2
57.5°	5204.0	3689.2	1241.8	580.5	539.3	522.3	414.7	448.7	468.5	482.8	498.2
60°	4978.3	3334.9	754.6	597.6	497.1	521.2	419.6	420.7	454.8	478.9	494.3
62.5°	4552.6	2880.2	530.0	549.2	466.3	492.1	431.1	387.8	430.6	459.7	473.4
65°	4064.9	2345.2	404.2	472.9	451.5	447.1	435.0	358.6	397.6	426.2	438.3
67.5°	3556.8	1822.9	328.4	352.6	408.1	404.2	397.6	332.8	358.6	379.0	392.7
70°	2917.0	1275.3	277.4	264.7	349.9	362.5	347.7	300.4	308.7	329.5	340.5
72.5°	2133.8	794.7	227.9	218.6	281.2	316.9	309.2	264.7	268.6	288.3	297.1
75°	1534.6	454.8	182.9	180.1	214.8	271.3	255.9	227.9	232.3	247.2	253.2
77.5°	975.4	253.2	141.2	145.0	153.8	202.7	218.6	195.0	195.0	203.8	208.7
80°	522.3	145.0	103.3	104.9	107.6	154.9	172.5	151.0	151.0	145.0	151.0
82.5°	213.1	83.5	70.9	65.9	71.9	106.0	120.8	96.1	100.5	90.6	92.8
85°	70.3	41.7	35.2	34.6	34.1	46.7	58.2	47.8	57.1	36.2	37.9
87.5°	9.3	7.7	4.4	3.3	3.8	1.6	3.3	3.8	3.8	2.7	2.7
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8
2.5°	885.4	881.0	865.0	868.9	866.1	861.7	866.1	857.9	864.5	866.7	880.4
5°	827.7	817.3	801.9	794.2	792.5	788.2	788.7	784.9	786.0	795.3	810.7
7.5°	776.1	766.2	754.1	748.6	743.7	738.7	738.2	737.6	742.0	750.3	765.1
10°	738.7	733.2	728.3	730.5	728.3	726.1	722.2	722.2	729.4	744.2	762.3
12.5°	738.7	737.6	738.7	745.3	744.8	745.3	740.4	743.1	762.9	788.2	814.0
15°	778.3	769.5	769.5	772.8	771.7	771.7	771.7	783.2	828.2	867.2	894.7
17.5°	826.6	800.8	789.8	788.2	787.6	787.6	789.8	814.5	884.8	926.0	941.9
20°	860.1	811.2	793.1	786.0	786.5	787.6	794.2	828.2	905.7	926.6	922.7
22.5°	866.1	803.0	781.0	770.6	772.2	773.3	783.2	819.5	877.1	880.4	872.7
25°	838.1	779.9	756.3	748.1	750.3	749.7	758.5	784.9	826.0	824.9	820.6
27.5°	796.4	743.1	725.5	720.0	723.9	719.5	722.2	742.6	774.4	773.3	771.7
30°	753.5	707.4	691.5	688.7	693.7	687.1	687.6	704.7	726.6	725.5	725.0
32.5°	710.7	671.7	657.4	657.4	662.4	655.2	656.3	671.2	686.0	681.6	681.6
35°	670.1	642.6	631.1	628.9	632.7	627.8	630.0	643.7	649.2	643.2	639.3
37.5°	634.4	622.3	610.7	603.1	603.6	604.2	610.7	621.2	617.9	609.1	604.2
40°	601.4	601.4	590.4	576.1	574.5	578.3	589.3	600.9	591.5	581.6	575.6
42.5°	577.8	582.7	572.3	558.0	554.7	561.3	573.4	581.6	570.7	559.7	551.4
45°	555.8	567.9	560.8	544.8	540.4	548.1	563.5	566.8	552.0	541.5	535.5
47.5°	540.4	556.9	552.0	536.6	530.0	541.0	556.9	556.4	537.7	526.7	521.8
50°	529.5	550.3	549.8	536.6	529.5	543.2	557.5	550.3	530.0	518.5	513.5
52.5°	520.7	549.8	553.6	545.9	541.0	553.1	561.9	548.1	524.5	512.4	508.6
55°	516.8	552.0	554.7	547.6	543.2	554.2	561.9	552.5	524.5	513.5	510.2
57.5°	517.9	549.2	549.8	539.9	532.2	545.9	558.0	555.3	530.6	517.9	514.1
60°	511.3	534.4	535.5	520.1	511.3	527.8	549.2	547.6	527.8	514.6	507.5
62.5°	489.4	509.7	510.2	496.0	483.3	506.9	530.6	530.0	511.9	498.7	490.5
65°	452.6	474.0	479.5	465.8	455.9	481.1	505.8	504.7	486.6	474.5	466.3
67.5°	407.0	430.1	440.5	431.1	427.3	450.4	473.4	472.9	458.1	446.5	439.4
70°	351.5	370.7	388.3	388.3	385.6	411.9	436.6	434.4	420.7	411.9	406.4
72.5°	305.4	320.2	325.7	331.2	339.4	366.9	387.8	389.4	379.5	375.1	379.5
75°	259.8	269.1	274.1	269.7	284.0	312.5	340.0	342.7	332.3	325.1	326.8
77.5°	213.7	224.1	229.0	219.1	218.0	254.3	287.8	293.8	285.1	274.1	277.4
80°	154.3	168.1	176.3	169.7	167.5	183.4	229.6	236.2	227.9	219.1	224.1
82.5°	94.5	102.2	104.4	110.9	124.7	131.3	147.7	169.7	163.7	156.0	169.7
85°	37.3	44.5	49.4	56.0	65.4	77.4	91.2	108.7	98.9	95.6	112.6
87.5°	2.2	0.5	0.0	1.1	9.3	18.1	39.0	53.8	45.0	48.3	58.2
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8
2.5°	891.4	905.7	924.9	940.8	961.2	980.4	1000.2	1019.9	1030.4	1034.8
5°	828.2	854.6	885.4	919.4	959.0	1000.7	1043.0	1086.4	1113.8	1116.0
7.5°	790.3	828.2	870.5	913.4	962.3	1019.9	1086.9	1153.9	1182.0	1189.6
10°	802.4	844.7	878.2	918.3	972.1	1044.1	1123.2	1201.7	1234.1	1243.5
12.5°	850.8	859.0	869.4	906.2	972.1	1065.0	1160.5	1253.9	1288.5	1297.3
15°	890.9	851.3	832.6	871.6	959.0	1083.1	1200.1	1303.3	1345.1	1353.3
17.5°	894.2	826.0	785.4	820.6	935.9	1095.7	1238.0	1358.3	1393.4	1401.1
20°	860.6	799.1	746.4	767.8	904.6	1101.2	1265.4	1398.3	1433.0	1440.6
22.5°	822.8	777.2	720.0	718.9	866.7	1107.3	1298.4	1436.2	1473.6	1478.5
25°	787.1	747.0	698.6	683.2	822.8	1118.8	1342.9	1493.4	1521.9	1523.6
27.5°	745.3	714.6	681.6	666.8	784.3	1140.8	1408.8	1561.5	1578.5	1575.8
30°	707.4	684.3	669.5	665.1	760.1	1157.2	1471.4	1628.5	1629.6	1620.2
32.5°	667.3	658.5	658.5	672.8	740.4	1153.4	1522.5	1693.8	1683.4	1669.7
35°	631.6	633.3	644.8	678.3	707.4	1114.9	1571.4	1775.7	1760.3	1740.5
37.5°	597.6	610.2	626.7	659.1	664.0	1057.8	1628.5	1891.6	1872.3	1847.6
40°	568.5	587.7	606.9	622.8	617.9	976.5	1708.1	2027.8	2006.4	1977.8
42.5°	545.4	564.1	585.5	587.1	588.8	892.0	1792.7	2194.7	2190.9	2159.6
45°	530.6	542.6	563.0	560.2	587.1	798.6	1870.7	2449.6	2500.1	2476.5
47.5°	520.7	530.0	532.2	543.7	601.4	715.1	1971.2	2948.3	3088.9	3062.0
50°	515.2	524.5	499.8	544.8	603.6	661.3	2110.2	3574.4	3800.7	3765.0
52.5°	514.6	512.4	475.1	556.4	591.5	628.3	2182.7	4031.4	4533.4	4610.8
55°	515.7	488.3	462.5	559.7	567.4	616.2	1939.9	4251.1	5209.5	5373.2
57.5°	505.8	461.9	469.6	546.5	521.8	648.6	1434.0	4172.5	5479.7	5784.0
60°	487.2	436.6	482.8	510.8	475.1	593.2	987.5	3822.1	5199.6	5512.7
62.5°	460.3	419.1	481.1	464.7	458.1	485.5	678.9	3331.7	4755.3	5061.2
65°	430.1	404.8	455.3	420.2	424.0	373.5	480.0	2778.0	4224.7	4525.7
67.5°	397.6	396.0	417.4	374.0	358.1	296.0	349.9	2226.6	3543.1	3814.4
70°	360.8	372.9	379.5	332.3	290.5	232.3	259.8	1557.1	2613.8	2850.0
72.5°	324.0	325.1	334.5	288.9	217.5	186.2	195.0	943.0	1775.7	1947.6
75°	286.7	276.3	285.1	235.1	162.0	152.7	150.5	582.7	1226.4	1362.1
77.5°	246.6	235.1	223.5	176.9	130.2	118.1	115.3	326.8	752.5	835.9
80°	200.5	185.1	167.0	129.6	95.0	84.6	84.0	159.3	375.1	418.0
82.5°	156.0	126.9	121.9	80.7	58.8	51.6	54.9	61.0	113.1	126.3
85°	109.3	92.3	64.8	32.4	26.4	21.4	20.9	18.1	30.2	33.5
87.5°	61.0	40.1	20.9	3.8	4.4	4.9	3.8	2.7	2.7	2.7
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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