

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: P630786

Luminaire Tested: GWS-SA1E-735-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630786
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-SA1E-735-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7076.5 lumens
Efficiency: N/A
Efficacy: 121.2 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

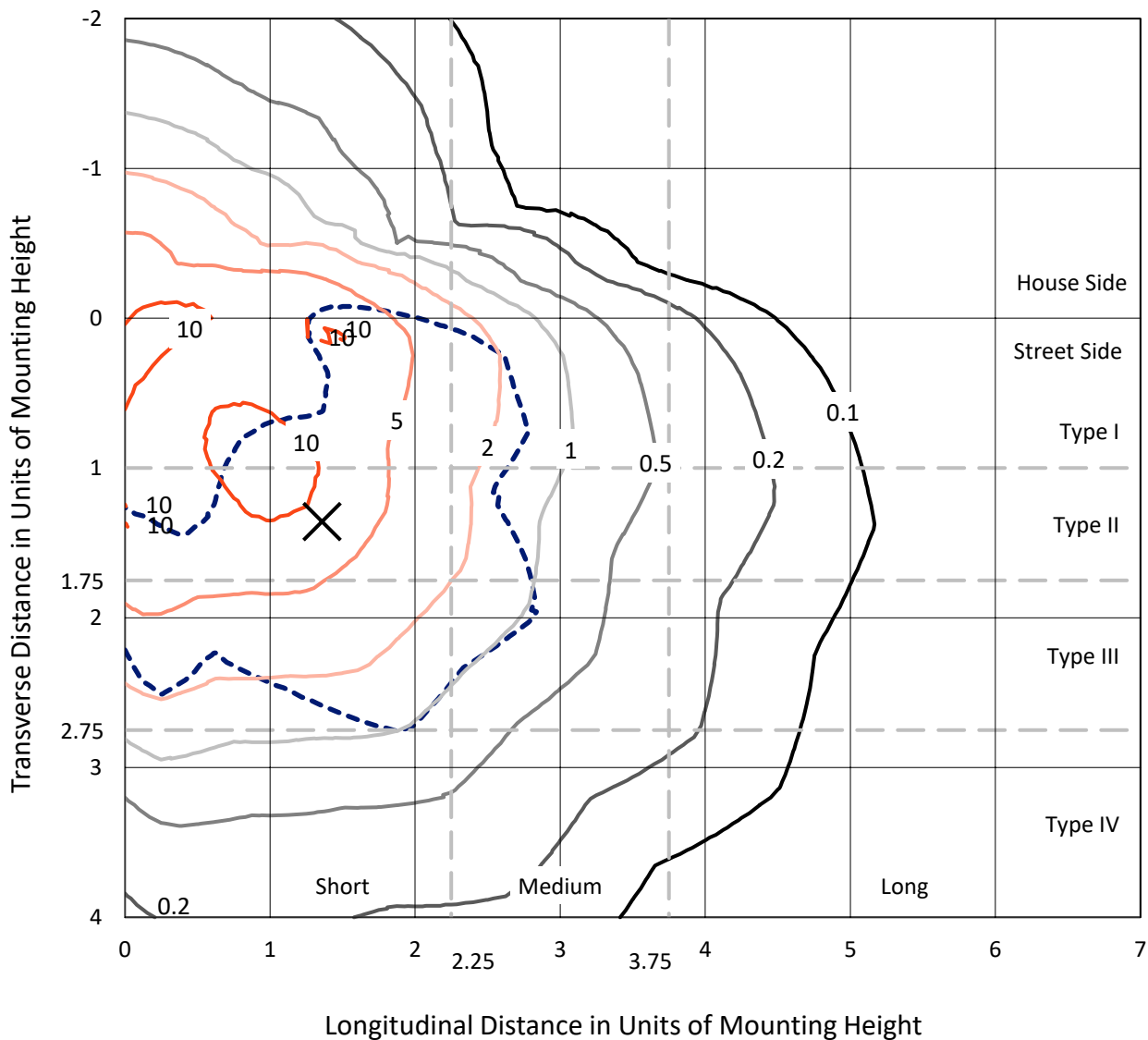
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

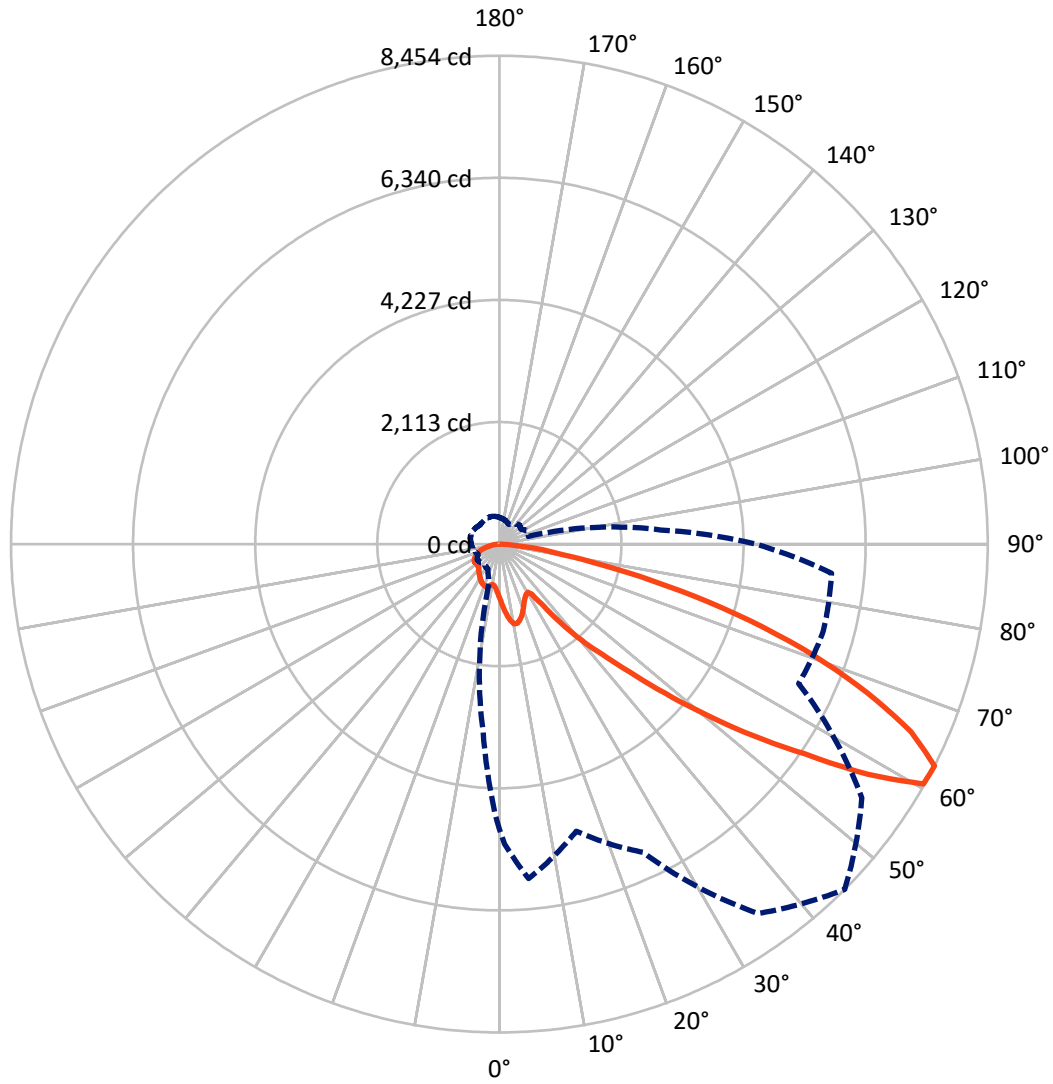
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 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	1688.6	0.0	1688.6
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5387.9	0.0	5387.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	7076.5	0.0	7076.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	1.3
10°-20°	287.5	4.1
20°-30°	446.6	6.3
30°-40°	606.4	8.6
40°-50°	961.1	13.6
50°-60°	1695.3	24.0
60°-70°	1886.3	26.7
70°-80°	956.7	13.5
80°-90°	144.9	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°	7076.5	100.0
0°-180°	7076.5	100.0

Coefficient of Utilization



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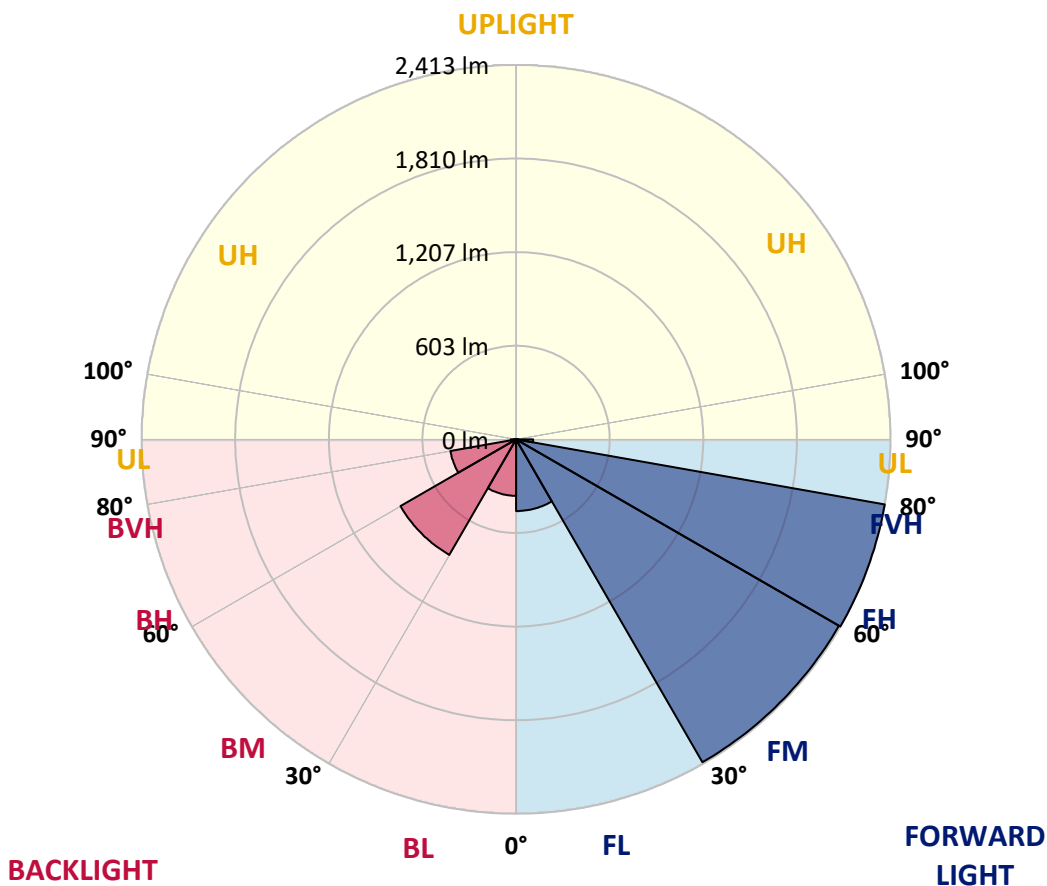
CATALOG NUMBER: GWS-SA1E-735-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	462.0	6.5			
FM (30°-60°)	2402.8	34.0			
FH (60°-80°)	2413.2	34.1			G2/5000
FVH (80°-90°)	110.0	1.6			G2/225
BL (0°-30°)	363.8	5.1	B1/500		
BM (30°-60°)	860.0	12.2	B1/1000		
BH (60°-80°)	429.8	6.1	B1/500		G1/500
BVH (80°-90°)	34.9	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°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	1009.4	1008.8	1019.0	1034.6	1049.0	1055.5	1066.2	1065.1	1056.5	1045.3	1041.5
5°	1088.7	1090.8	1108.5	1142.8	1180.8	1196.9	1203.9	1201.2	1185.6	1165.8	1131.0
7.5°	1160.5	1164.2	1191.5	1243.0	1290.1	1311.6	1328.7	1325.5	1303.0	1266.0	1214.6
10°	1213.0	1217.3	1249.9	1310.5	1363.0	1381.7	1403.7	1404.8	1385.0	1335.1	1282.6
12.5°	1265.5	1269.8	1300.3	1355.5	1389.8	1390.3	1403.2	1410.1	1411.2	1388.2	1335.7
15°	1320.1	1323.9	1351.7	1382.8	1381.2	1351.2	1351.2	1364.6	1394.1	1410.7	1374.2
17.5°	1366.7	1371.6	1393.0	1382.8	1335.1	1281.0	1274.6	1291.7	1343.2	1406.9	1403.2
20°	1405.3	1409.1	1420.8	1353.3	1266.5	1195.8	1183.5	1203.3	1273.0	1383.9	1425.1
22.5°	1442.3	1444.4	1438.0	1314.8	1192.6	1111.7	1096.7	1117.6	1192.6	1343.2	1443.9
25°	1486.2	1484.1	1453.5	1274.6	1125.1	1045.3	1029.7	1053.3	1131.5	1289.1	1464.2
27.5°	1537.1	1529.1	1466.9	1231.2	1073.1	996.0	985.3	1010.5	1083.3	1239.2	1480.3
30°	1580.5	1565.0	1469.1	1192.6	1046.3	975.1	968.7	992.2	1059.7	1205.5	1500.7
32.5°	1628.7	1607.3	1481.4	1182.4	1061.4	1025.5	1034.0	1035.6	1066.2	1195.8	1531.2
35°	1697.8	1670.0	1515.1	1211.9	1215.7	1276.2	1307.3	1265.5	1163.1	1217.3	1589.1
37.5°	1802.3	1767.0	1583.7	1339.4	1534.4	1670.0	1745.0	1649.6	1457.8	1298.2	1676.4
40°	1929.3	1884.3	1671.6	1575.1	1832.3	2049.3	2182.7	2042.9	1761.1	1500.1	1799.1
42.5°	2106.6	2059.5	1842.0	1806.6	2108.2	2431.3	2605.4	2397.0	2028.4	1761.1	1995.7
45°	2415.8	2370.2	2154.3	2038.6	2431.3	2901.7	3146.0	2856.2	2300.0	2023.0	2363.3
47.5°	2986.9	2933.3	2618.3	2295.8	2799.9	3512.5	3854.3	3432.1	2582.4	2323.1	2980.5
50°	3672.7	3621.2	3200.7	2600.1	3207.1	4165.6	4640.8	4108.8	2907.6	2687.9	3718.2
52.5°	4497.7	4488.1	4031.6	2984.7	3630.9	4862.1	5513.6	4858.3	3263.9	3179.2	4554.0
55°	5241.4	5335.7	5087.1	3571.4	4178.4	5737.0	6411.0	5675.9	3747.1	3991.4	5532.8
57.5°	5642.1	5895.6	6277.6	4768.3	4974.6	6782.8	7518.4	6674.0	4577.6	5343.7	6440.4
60°	5377.5	5664.6	6356.9	5669.5	5764.3	7620.7	8432.4	7513.0	5393.0	6282.4	6389.0
62.5°	4937.1	5194.8	5810.4	5143.3	5886.5	7805.0	8453.8	7659.3	5717.1	5806.1	5771.3
65°	4414.7	4674.5	5326.6	4489.7	5498.0	7367.3	7830.2	7229.1	5134.8	5245.7	5258.5
67.5°	3720.9	3960.9	4624.7	3992.0	5011.5	6724.9	6872.8	6616.2	4728.7	4905.5	4720.6
70°	2780.1	2996.5	3582.7	3244.1	4224.5	5888.1	5768.6	5806.6	4272.7	4448.5	3943.2
72.5°	1899.8	2062.7	2565.2	2549.2	3234.9	4713.7	4547.0	4907.6	3568.7	3801.8	3006.2
75°	1328.7	1455.7	1854.3	2013.9	2445.2	3493.7	3238.2	3673.2	2787.0	3119.8	2193.4
77.5°	815.4	899.5	1171.2	1492.1	1573.0	2391.1	2011.3	2764.0	1957.1	2275.4	1463.2
80°	407.7	448.4	569.0	938.1	1043.1	1409.1	1110.6	1604.6	1324.4	1409.1	809.5
82.5°	123.2	136.1	166.6	356.3	540.6	811.1	656.3	932.2	723.3	660.6	318.8
85°	32.7	37.0	46.1	105.5	189.7	290.9	221.8	451.6	346.6	243.8	120.0
87.5°	2.7	2.7	2.1	2.1	1.1	0.0	0.0	32.1	64.8	37.0	20.9
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°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	1022.8	1020.6	998.7	982.6	963.8	945.6	926.9	910.3	891.5	872.8	867.4
5°	1105.3	1090.3	1043.7	1004.6	966.0	932.2	902.8	872.2	847.6	823.5	814.4
7.5°	1178.1	1151.9	1084.4	1024.9	971.3	929.6	886.2	841.7	806.9	772.6	764.0
10°	1244.0	1209.2	1124.0	1049.0	989.6	941.9	891.0	831.5	781.1	739.4	728.1
12.5°	1292.8	1254.8	1158.3	1072.1	1004.6	951.0	900.6	848.1	795.1	741.0	728.6
15°	1331.4	1291.7	1186.7	1089.7	1005.1	936.0	887.2	869.0	852.4	799.4	776.9
17.5°	1362.5	1320.7	1211.4	1100.5	990.6	890.4	848.1	874.9	917.2	884.0	841.7
20°	1390.8	1348.5	1230.1	1108.0	958.5	827.8	804.2	861.0	924.7	923.7	885.6
22.5°	1421.9	1380.7	1257.4	1112.2	913.5	764.0	777.9	840.6	892.6	908.1	884.5
25°	1461.6	1425.1	1295.5	1121.9	862.6	720.1	758.6	814.4	857.8	861.5	847.6
27.5°	1507.6	1480.3	1352.3	1144.4	813.3	697.6	736.1	777.4	817.0	818.6	802.0
30°	1558.0	1539.8	1404.8	1163.1	776.3	690.6	707.2	740.4	765.6	769.9	755.4
32.5°	1622.3	1606.2	1451.4	1150.8	754.4	689.0	680.4	697.6	718.5	718.5	707.2
35°	1710.7	1688.2	1500.7	1103.7	727.6	682.6	652.0	656.8	666.0	667.6	661.1
37.5°	1836.1	1799.1	1550.5	1010.5	683.6	659.5	619.3	613.5	616.7	621.0	619.3
40°	1991.4	1930.9	1623.4	898.5	631.1	615.1	585.6	574.3	571.7	580.2	583.4
42.5°	2187.0	2094.3	1701.6	794.0	583.4	564.2	545.9	536.3	532.0	546.5	555.1
45°	2499.3	2346.7	1776.6	690.6	556.7	520.8	508.4	501.5	503.6	520.8	531.5
47.5°	3038.9	2731.9	1847.9	625.2	554.5	489.7	474.7	476.3	482.2	500.4	513.3
50°	3721.4	3247.8	1895.5	597.9	560.9	470.9	451.1	459.7	468.8	486.5	501.5
52.5°	4416.3	3728.4	1838.7	582.9	560.4	471.5	429.1	454.9	459.2	476.8	492.9
55°	4894.2	3782.0	1588.5	559.9	551.8	492.9	412.0	452.7	455.4	471.5	485.9
57.5°	5076.4	3598.7	1211.4	566.3	526.1	509.5	404.5	437.7	457.0	470.9	485.9
60°	4856.2	3253.2	736.1	582.9	484.9	508.4	409.3	410.4	443.6	467.2	482.2
62.5°	4441.0	2809.6	517.0	535.8	454.9	480.0	420.6	378.3	420.0	448.4	461.8
65°	3965.2	2287.7	394.3	461.3	440.4	436.1	424.3	349.9	387.9	415.8	427.5
67.5°	3469.6	1778.2	320.4	344.0	398.1	394.3	387.9	324.7	349.9	369.7	383.1
70°	2845.4	1244.0	270.6	258.2	341.3	353.6	339.1	293.1	301.1	321.5	332.2
72.5°	2081.4	775.3	222.3	213.2	274.3	309.1	301.6	258.2	262.0	281.3	289.8
75°	1496.9	443.6	178.4	175.7	209.5	264.7	249.7	222.3	226.6	241.1	247.0
77.5°	951.5	247.0	137.7	141.4	150.0	197.7	213.2	190.2	190.2	198.8	203.6
80°	509.5	141.4	100.7	102.3	105.0	151.1	168.2	147.3	147.3	141.4	147.3
82.5°	207.9	81.4	69.1	64.3	70.2	103.4	117.9	93.8	98.0	88.4	90.5
85°	68.6	40.7	34.3	33.8	33.2	45.5	56.8	46.6	55.7	35.4	37.0
87.5°	9.1	7.5	4.3	3.2	3.8	1.6	3.2	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°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	863.7	859.4	843.8	847.6	844.9	840.6	844.9	836.9	843.3	845.4	858.8
5°	807.4	797.2	782.2	774.7	773.1	768.8	769.4	765.6	766.7	775.8	790.8
7.5°	757.0	747.4	735.6	730.2	725.4	720.6	720.1	719.5	723.8	731.9	746.3
10°	720.6	715.2	710.4	712.6	710.4	708.3	704.5	704.5	711.5	726.0	743.6
12.5°	720.6	719.5	720.6	727.0	726.5	727.0	722.2	724.9	744.2	768.8	794.0
15°	759.2	750.6	750.6	753.8	752.7	752.7	752.7	764.0	807.9	846.0	872.8
17.5°	806.3	781.1	770.4	768.8	768.3	768.3	770.4	794.5	863.1	903.3	918.8
20°	839.0	791.3	773.6	766.7	767.2	768.3	774.7	807.9	883.5	903.8	900.1
22.5°	844.9	783.3	761.9	751.7	753.3	754.4	764.0	799.4	855.6	858.8	851.3
25°	817.6	760.8	737.7	729.7	731.9	731.3	739.9	765.6	805.8	804.7	800.4
27.5°	776.9	724.9	707.7	702.4	706.1	701.9	704.5	724.4	755.4	754.4	752.7
30°	735.1	690.1	674.5	671.8	676.7	670.2	670.8	687.4	708.8	707.7	707.2
32.5°	693.3	655.2	641.3	641.3	646.1	639.2	640.2	654.7	669.2	664.9	664.9
35°	653.6	626.8	615.6	613.5	617.2	612.4	614.5	627.9	633.3	627.4	623.6
37.5°	618.8	607.0	595.8	588.3	588.8	589.3	595.8	606.0	602.7	594.2	589.3
40°	586.7	586.7	575.9	562.0	560.4	564.2	574.9	586.1	577.0	567.4	561.5
42.5°	563.6	568.4	558.3	544.3	541.1	547.6	559.3	567.4	556.7	545.9	537.9
45°	542.2	554.0	547.0	531.5	527.2	534.7	549.7	552.9	538.4	528.3	522.4
47.5°	527.2	543.3	538.4	523.4	517.0	527.7	543.3	542.7	524.5	513.8	509.0
50°	516.5	536.8	536.3	523.4	516.5	529.9	543.8	536.8	517.0	505.8	500.9
52.5°	507.9	536.3	540.1	532.6	527.7	539.5	548.1	534.7	511.7	499.9	496.1
55°	504.2	538.4	541.1	534.2	529.9	540.6	548.1	539.0	511.7	500.9	497.7
57.5°	505.2	535.8	536.3	526.7	519.2	532.6	544.3	541.7	517.5	505.2	501.5
60°	498.8	521.3	522.4	507.4	498.8	514.9	535.8	534.2	514.9	502.0	495.0
62.5°	477.4	497.2	497.7	483.8	471.5	494.5	517.5	517.0	499.3	486.5	478.4
65°	441.5	462.4	467.7	454.3	444.7	469.3	493.4	492.4	474.7	462.9	454.9
67.5°	397.0	419.5	429.7	420.6	416.8	439.3	461.8	461.3	446.8	435.6	428.6
70°	342.9	361.6	378.8	378.8	376.1	401.8	425.9	423.8	410.4	401.8	396.5
72.5°	297.9	312.4	317.7	323.1	331.1	357.9	378.3	379.9	370.2	365.9	370.2
75°	253.4	262.5	267.3	263.1	277.0	304.9	331.6	334.3	324.1	317.2	318.8
77.5°	208.4	218.6	223.4	213.8	212.7	248.1	280.7	286.6	278.1	267.3	270.6
80°	150.5	163.9	172.0	165.6	163.4	178.9	223.9	230.4	222.3	213.8	218.6
82.5°	92.2	99.7	101.8	108.2	121.6	128.0	144.1	165.6	159.7	152.2	165.6
85°	36.4	43.4	48.2	54.6	63.8	75.5	88.9	106.1	96.4	93.2	109.8
87.5°	2.1	0.5	0.0	1.1	9.1	17.7	38.0	52.5	43.9	47.1	56.8
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°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	869.5	883.5	902.2	917.8	937.6	956.3	975.6	994.9	1005.1	1009.4
5°	807.9	833.7	863.7	896.9	935.4	976.2	1017.4	1059.7	1086.5	1088.7
7.5°	771.0	807.9	849.2	891.0	938.7	994.9	1060.3	1125.6	1153.0	1160.5
10°	782.8	824.0	856.7	895.8	948.3	1018.5	1095.6	1172.3	1203.9	1213.0
12.5°	829.9	837.9	848.1	884.0	948.3	1038.8	1132.1	1223.2	1256.9	1265.5
15°	869.0	830.4	812.2	850.3	935.4	1056.5	1170.6	1271.4	1312.1	1320.1
17.5°	872.2	805.8	766.1	800.4	912.9	1068.9	1207.6	1324.9	1359.2	1366.7
20°	839.5	779.5	728.1	749.0	882.4	1074.2	1234.4	1364.1	1397.8	1405.3
22.5°	802.6	758.1	702.4	701.3	845.4	1080.1	1266.5	1401.0	1437.5	1442.3
25°	767.8	728.6	681.5	666.5	802.6	1091.4	1309.9	1456.7	1484.6	1486.2
27.5°	727.0	697.0	664.9	650.4	765.1	1112.8	1374.2	1523.2	1539.8	1537.1
30°	690.1	667.6	653.1	648.8	741.5	1128.9	1435.3	1588.5	1589.6	1580.5
32.5°	651.0	642.4	642.4	656.3	722.2	1125.1	1485.1	1652.3	1642.1	1628.7
35°	616.1	617.7	629.0	661.7	690.1	1087.6	1532.8	1732.1	1717.1	1697.8
37.5°	582.9	595.2	611.3	642.9	647.7	1031.9	1588.5	1845.2	1826.4	1802.3
40°	554.5	573.3	592.0	607.6	602.7	952.6	1666.2	1978.0	1957.1	1929.3
42.5°	532.0	550.2	571.1	572.7	574.3	870.1	1748.7	2140.9	2137.2	2106.6
45°	517.5	529.3	549.2	546.5	572.7	779.0	1824.8	2389.5	2438.8	2415.8
47.5°	507.9	517.0	519.2	530.4	586.7	697.6	1922.9	2876.0	3013.1	2986.9
50°	502.5	511.7	487.5	531.5	588.8	645.1	2058.4	3486.8	3707.5	3672.7
52.5°	502.0	499.9	463.4	542.7	577.0	612.9	2129.1	3932.5	4422.2	4497.7
55°	503.1	476.3	451.1	545.9	553.4	601.1	1892.3	4146.8	5081.7	5241.4
57.5°	493.4	450.6	458.1	533.1	509.0	632.7	1398.9	4070.2	5345.3	5642.1
60°	475.2	425.9	470.9	498.3	463.4	578.6	963.3	3728.4	5072.1	5377.5
62.5°	449.0	408.8	469.3	453.3	446.8	473.6	662.2	3250.0	4638.7	4937.1
65°	419.5	394.9	444.1	409.9	413.6	364.3	468.3	2709.9	4121.1	4414.7
67.5°	387.9	386.3	407.2	364.9	349.3	288.8	341.3	2172.0	3456.2	3720.9
70°	352.0	363.8	370.2	324.1	283.4	226.6	253.4	1518.9	2549.7	2780.1
72.5°	316.1	317.2	326.3	281.8	212.2	181.6	190.2	919.9	1732.1	1899.8
75°	279.7	269.5	278.1	229.3	158.1	148.9	146.8	568.4	1196.4	1328.7
77.5°	240.6	229.3	218.1	172.5	127.0	115.2	112.5	318.8	734.0	815.4
80°	195.6	180.6	162.9	126.4	92.7	82.5	82.0	155.4	365.9	407.7
82.5°	152.2	123.8	118.9	78.8	57.3	50.4	53.6	59.5	110.4	123.2
85°	106.6	90.0	63.2	31.6	25.7	20.9	20.4	17.7	29.5	32.7
87.5°	59.5	39.1	20.4	3.8	4.3	4.8	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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