

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: P632106

Luminaire Tested: GWS-SA2C-722-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632106
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-SA2C-722-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6455 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

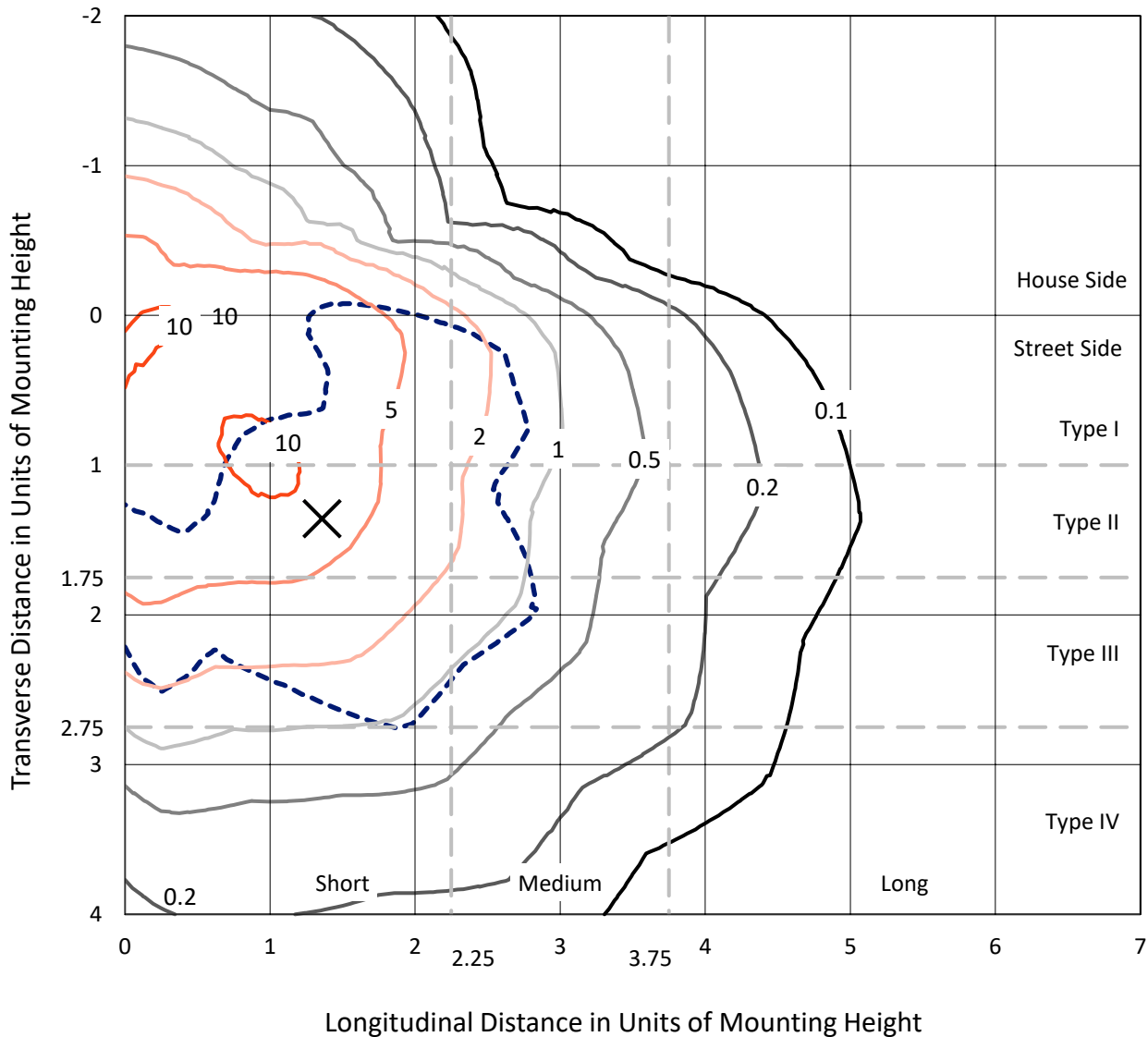
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

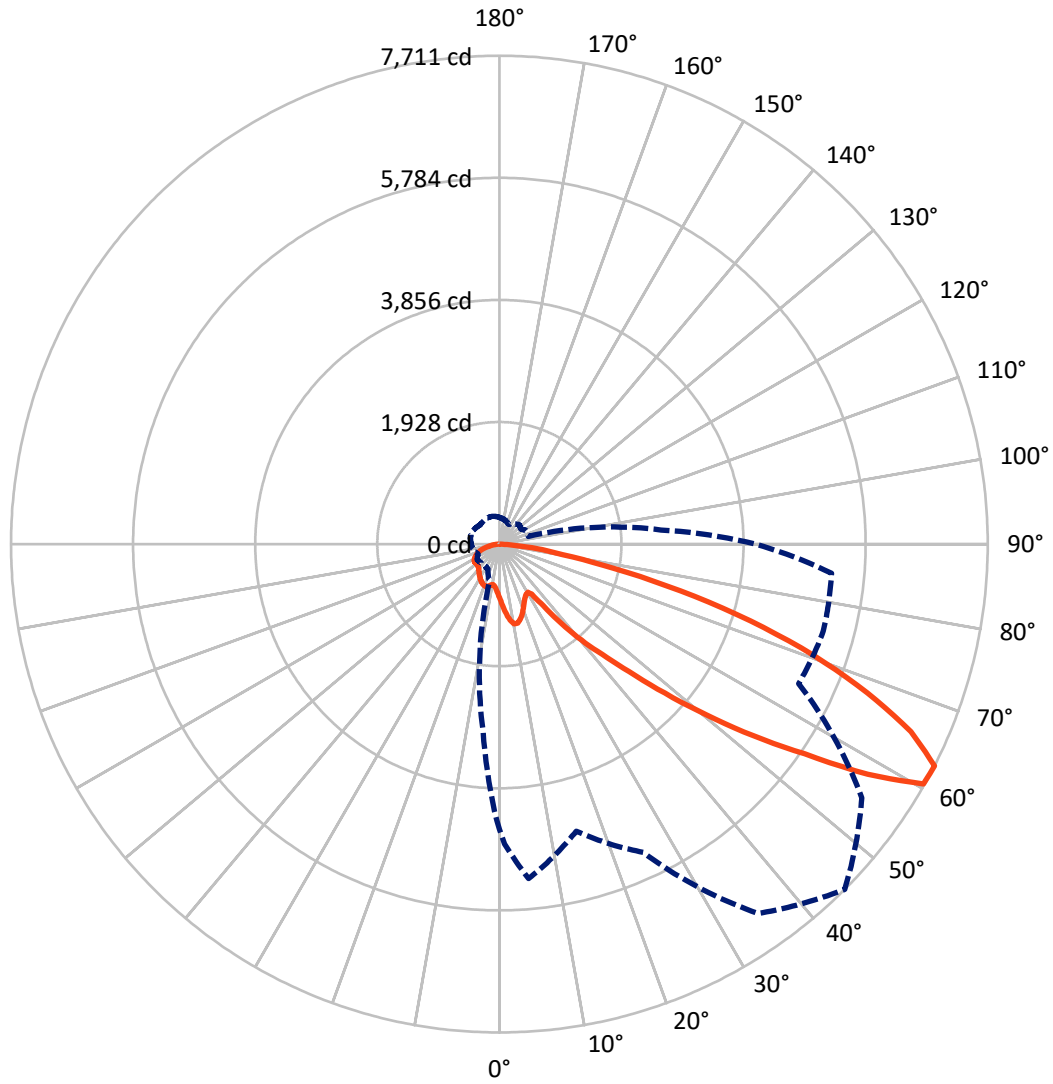
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.2 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	1540.3	0.0	1540.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4914.7	0.0	4914.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	6455.0	0.0	6455.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.7	1.3
10°-20°	262.3	4.1
20°-30°	407.4	6.3
30°-40°	553.1	8.6
40°-50°	876.7	13.6
50°-60°	1546.4	24.0
60°-70°	1720.6	26.7
70°-80°	872.6	13.5
80°-90°	132.1	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°	6455.0	100.0
0°-180°	6455.0	100.0

Coefficient of Utilization



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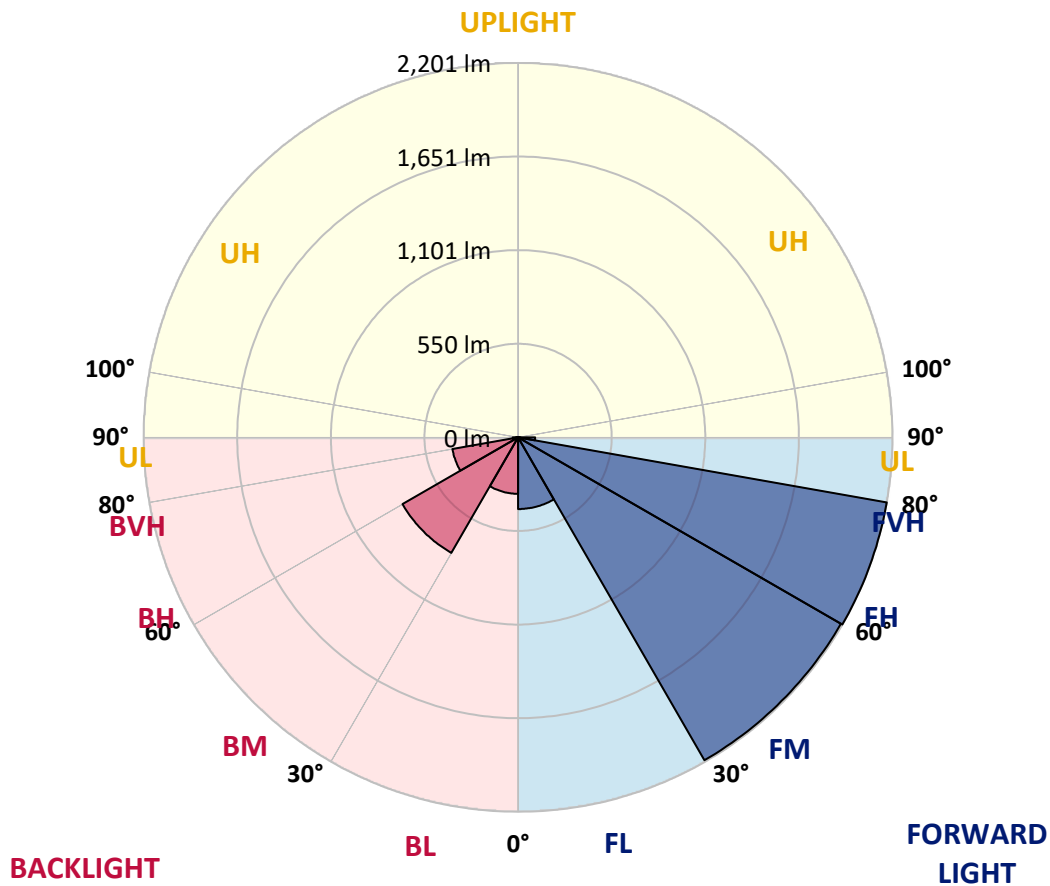
CATALOG NUMBER: GWS-SA2C-722-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.5	6.5			
FM (30°-60°)	2191.7	34.0			
FH (60°-80°)	2201.2	34.1			G2/5000
FVH (80°-90°)	100.3	1.6			G2/225
BL (0°-30°)	331.9	5.1	B1/500		
BM (30°-60°)	784.5	12.2	B1/1000		
BH (60°-80°)	392.1	6.1	B1/500		G1/500
BVH (80°-90°)	31.8	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°	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7
2.5°	920.7	920.2	929.5	943.7	956.9	962.8	972.5	971.6	963.7	953.5	950.1
5°	993.1	995.0	1011.1	1042.4	1077.1	1091.8	1098.1	1095.7	1081.5	1063.4	1031.7
7.5°	1058.5	1062.0	1086.9	1133.8	1176.8	1196.4	1212.0	1209.1	1188.5	1154.8	1107.9
10°	1106.4	1110.4	1140.2	1195.4	1243.3	1260.4	1280.4	1281.4	1263.3	1217.9	1170.0
12.5°	1154.3	1158.2	1186.1	1236.4	1267.7	1268.2	1279.9	1286.3	1287.3	1266.3	1218.4
15°	1204.2	1207.6	1233.0	1261.4	1259.9	1232.5	1232.5	1244.7	1271.6	1286.8	1253.5
17.5°	1246.7	1251.1	1270.6	1261.4	1217.9	1168.5	1162.6	1178.3	1225.2	1283.4	1279.9
20°	1281.9	1285.3	1296.1	1234.5	1155.3	1090.8	1079.6	1097.6	1161.2	1262.3	1300.0
22.5°	1315.6	1317.6	1311.7	1199.3	1087.9	1014.1	1000.4	1019.5	1087.9	1225.2	1317.1
25°	1355.7	1353.7	1325.9	1162.6	1026.3	953.5	939.3	960.8	1032.2	1175.8	1335.6
27.5°	1402.1	1394.8	1338.1	1123.1	978.9	908.5	898.7	921.7	988.2	1130.4	1350.3
30°	1441.7	1427.5	1340.0	1087.9	954.5	889.5	883.6	905.1	966.7	1099.6	1368.9
32.5°	1485.7	1466.1	1351.3	1078.6	968.1	935.4	943.2	944.7	972.5	1090.8	1396.7
35°	1548.7	1523.3	1382.1	1105.5	1108.9	1164.1	1192.5	1154.3	1061.0	1110.4	1449.5
37.5°	1644.0	1611.8	1444.6	1221.8	1399.7	1523.3	1591.7	1504.7	1329.8	1184.1	1529.2
40°	1759.8	1718.8	1524.8	1436.8	1671.4	1869.3	1991.0	1863.5	1606.4	1368.4	1641.1
42.5°	1921.6	1878.6	1680.2	1647.9	1923.1	2217.8	2376.6	2186.5	1850.3	1606.4	1820.4
45°	2203.6	2162.1	1965.1	1859.5	2217.8	2646.9	2869.7	2605.3	2098.0	1845.4	2155.7
47.5°	2724.6	2675.7	2388.3	2094.1	2554.0	3204.0	3515.8	3130.7	2355.6	2119.1	2718.7
50°	3350.1	3303.2	2919.6	2371.7	2925.4	3799.7	4233.2	3747.9	2652.2	2451.9	3391.7
52.5°	4102.7	4093.9	3677.5	2722.6	3312.0	4435.1	5029.3	4431.6	2977.2	2900.0	4154.0
55°	4781.1	4867.1	4640.3	3257.7	3811.5	5233.1	5847.9	5177.4	3418.0	3640.9	5046.9
57.5°	5146.6	5377.8	5726.2	4349.5	4537.7	6187.1	6858.1	6087.9	4175.5	4874.4	5874.8
60°	4905.2	5167.1	5798.6	5171.5	5258.0	6951.4	7691.8	6853.2	4919.4	5730.6	5827.9
62.5°	4503.5	4738.5	5300.1	4691.6	5369.5	7119.5	7711.4	6986.6	5215.0	5296.2	5264.4
65°	4027.0	4264.0	4858.8	4095.4	5015.2	6720.3	7142.5	6594.2	4683.8	4785.0	4796.7
67.5°	3394.1	3613.0	4218.6	3641.4	4571.4	6134.3	6269.2	6035.1	4313.4	4474.6	4306.0
70°	2535.9	2733.4	3268.0	2959.1	3853.5	5370.9	5262.0	5296.6	3897.5	4057.8	3596.9
72.5°	1733.0	1881.5	2339.9	2325.3	2950.8	4299.7	4147.7	4476.6	3255.3	3467.9	2742.2
75°	1212.0	1327.8	1691.4	1837.1	2230.5	3186.9	2953.8	3350.6	2542.3	2845.8	2000.8
77.5°	743.8	820.5	1068.3	1361.1	1434.9	2181.1	1834.6	2521.3	1785.3	2075.6	1334.7
80°	371.9	409.1	519.0	855.7	951.5	1285.3	1013.1	1463.7	1208.1	1285.3	738.4
82.5°	112.4	124.1	152.0	325.0	493.1	739.9	598.7	850.4	659.8	602.6	290.8
85°	29.8	33.7	42.0	96.3	173.0	265.4	202.3	412.0	316.2	222.4	109.5
87.5°	2.4	2.4	2.0	2.0	1.0	0.0	0.0	29.3	59.1	33.7	19.1
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°	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7
2.5°	932.9	931.0	911.0	896.3	879.2	862.6	845.5	830.3	813.2	796.1	791.2
5°	1008.2	994.5	952.0	916.3	881.1	850.4	823.5	795.6	773.1	751.1	742.8
7.5°	1074.7	1050.7	989.2	934.9	886.0	847.9	808.3	767.8	736.0	704.7	696.9
10°	1134.8	1103.0	1025.3	956.9	902.6	859.2	812.7	758.5	712.5	674.4	664.2
12.5°	1179.3	1144.6	1056.6	977.9	916.3	867.5	821.5	773.6	725.2	675.9	664.6
15°	1214.4	1178.3	1082.5	994.0	916.8	853.8	809.3	792.7	777.5	729.2	708.6
17.5°	1242.8	1204.7	1105.0	1003.8	903.6	812.2	773.6	798.1	836.7	806.4	767.8
20°	1268.7	1230.1	1122.1	1010.7	874.3	755.1	733.6	785.4	843.5	842.5	807.8
22.5°	1297.0	1259.4	1147.0	1014.6	833.3	696.9	709.6	766.8	814.2	828.4	806.9
25°	1333.2	1300.0	1181.7	1023.4	786.8	656.8	692.0	742.8	782.4	785.8	773.1
27.5°	1375.2	1350.3	1233.5	1043.9	741.9	636.3	671.5	709.1	745.3	746.8	731.6
30°	1421.2	1404.6	1281.4	1061.0	708.1	629.9	645.1	675.4	698.4	702.3	689.1
32.5°	1479.8	1465.2	1323.9	1049.8	688.1	628.5	620.7	636.3	655.4	655.4	645.1
35°	1560.5	1539.9	1368.9	1006.7	663.7	622.6	594.8	599.2	607.5	608.9	603.1
37.5°	1674.8	1641.1	1414.3	921.7	623.6	601.6	564.9	559.6	562.5	566.4	564.9
40°	1816.5	1761.3	1480.8	819.6	575.7	561.0	534.2	523.9	521.5	529.3	532.2
42.5°	1994.9	1910.4	1552.1	724.3	532.2	514.6	498.0	489.2	485.3	498.5	506.3
45°	2279.8	2140.6	1620.6	629.9	507.8	475.0	463.8	457.4	459.4	475.0	484.8
47.5°	2772.0	2491.9	1685.6	570.3	505.8	446.7	433.0	434.5	439.8	456.5	468.2
50°	3394.6	2962.6	1729.1	545.4	511.7	429.6	411.5	419.3	427.6	443.7	457.4
52.5°	4028.4	3400.9	1677.3	531.7	511.2	430.1	391.5	414.9	418.8	435.0	449.6
55°	4464.4	3449.8	1449.0	510.7	503.4	449.6	375.8	413.0	415.4	430.1	443.3
57.5°	4630.5	3282.7	1105.0	516.6	479.9	464.8	369.0	399.3	416.9	429.6	443.3
60°	4429.7	2967.5	671.5	531.7	442.3	463.8	373.4	374.4	404.7	426.2	439.8
62.5°	4050.9	2562.8	471.6	488.7	414.9	437.9	383.6	345.0	383.1	409.1	421.3
65°	3616.9	2086.8	359.7	420.8	401.7	397.8	387.1	319.1	353.8	379.2	390.0
67.5°	3164.9	1622.0	292.2	313.8	363.1	359.7	353.8	296.2	319.1	337.2	349.4
70°	2595.5	1134.8	246.8	235.6	311.3	322.5	309.4	267.3	274.7	293.2	303.0
72.5°	1898.6	707.2	202.8	194.5	250.2	282.0	275.1	235.6	239.0	256.6	264.4
75°	1365.5	404.7	162.7	160.3	191.1	241.4	227.7	202.8	206.7	219.9	225.3
77.5°	868.0	225.3	125.6	129.0	136.8	180.3	194.5	173.5	173.5	181.3	185.7
80°	464.8	129.0	91.9	93.3	95.8	137.8	153.5	134.4	134.4	129.0	134.4
82.5°	189.6	74.3	63.0	58.6	64.0	94.3	107.5	85.5	89.4	80.6	82.6
85°	62.6	37.1	31.3	30.8	30.3	41.5	51.8	42.5	50.8	32.3	33.7
87.5°	8.3	6.8	3.9	2.9	3.4	1.5	2.9	3.4	3.4	2.4	2.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7
2.5°	787.8	783.9	769.7	773.1	770.7	766.8	770.7	763.4	769.2	771.2	783.4
5°	736.5	727.2	713.5	706.7	705.2	701.3	701.8	698.4	699.3	707.7	721.3
7.5°	690.5	681.8	671.0	666.1	661.7	657.3	656.8	656.3	660.2	667.6	680.8
10°	657.3	652.4	648.0	650.0	648.0	646.1	642.7	642.7	649.0	662.2	678.3
12.5°	657.3	656.3	657.3	663.2	662.7	663.2	658.8	661.2	678.8	701.3	724.3
15°	692.5	684.7	684.7	687.6	686.6	686.6	686.6	696.9	737.0	771.7	796.1
17.5°	735.5	712.5	702.8	701.3	700.8	700.8	702.8	724.8	787.3	824.0	838.1
20°	765.3	721.8	705.7	699.3	699.8	700.8	706.7	737.0	805.9	824.5	821.0
22.5°	770.7	714.5	694.9	685.7	687.1	688.1	696.9	729.2	780.5	783.4	776.6
25°	745.8	694.0	673.0	665.6	667.6	667.1	674.9	698.4	735.0	734.0	730.1
27.5°	708.6	661.2	645.6	640.7	644.1	640.2	642.7	660.7	689.1	688.1	686.6
30°	670.5	629.5	615.3	612.8	617.2	611.4	611.9	627.0	646.6	645.6	645.1
32.5°	632.4	597.7	585.0	585.0	589.4	583.0	584.0	597.2	610.4	606.5	606.5
35°	596.2	571.8	561.5	559.6	563.0	558.6	560.6	572.8	577.7	572.3	568.9
37.5°	564.5	553.7	543.4	536.6	537.1	537.6	543.4	552.7	549.8	542.0	537.6
40°	535.1	535.1	525.4	512.7	511.2	514.6	524.4	534.6	526.3	517.5	512.2
42.5°	514.1	518.5	509.2	496.5	493.6	499.5	510.2	517.5	507.8	498.0	490.7
45°	494.6	505.3	499.0	484.8	480.9	487.7	501.4	504.3	491.2	481.9	476.5
47.5°	480.9	495.6	491.2	477.5	471.6	481.4	495.6	495.1	478.4	468.7	464.3
50°	471.1	489.7	489.2	477.5	471.1	483.3	496.0	489.7	471.6	461.3	456.9
52.5°	463.3	489.2	492.6	485.8	481.4	492.1	500.0	487.7	466.7	456.0	452.5
55°	459.9	491.2	493.6	487.2	483.3	493.1	500.0	491.6	466.7	456.9	454.0
57.5°	460.9	488.7	489.2	480.4	473.6	485.8	496.5	494.1	472.1	460.9	457.4
60°	455.0	475.5	476.5	462.8	455.0	469.7	488.7	487.2	469.7	457.9	451.6
62.5°	435.4	453.5	454.0	441.3	430.1	451.1	472.1	471.6	455.5	443.7	436.4
65°	402.7	421.8	426.6	414.4	405.6	428.1	450.1	449.1	433.0	422.2	414.9
67.5°	362.1	382.7	391.9	383.6	380.2	400.7	421.3	420.8	407.6	397.3	391.0
70°	312.8	329.9	345.5	345.5	343.1	366.5	388.5	386.6	374.4	366.5	361.6
72.5°	271.7	284.9	289.8	294.7	302.0	326.5	345.0	346.5	337.7	333.8	337.7
75°	231.2	239.5	243.9	240.0	252.7	278.1	302.5	305.0	295.7	289.3	290.8
77.5°	190.1	199.4	203.8	195.0	194.0	226.3	256.1	261.5	253.6	243.9	246.8
80°	137.3	149.5	156.9	151.0	149.1	163.2	204.3	210.1	202.8	195.0	199.4
82.5°	84.1	90.9	92.9	98.7	110.9	116.8	131.5	151.0	145.6	138.8	151.0
85°	33.2	39.6	44.0	49.8	58.2	68.9	81.1	96.8	88.0	85.0	100.2
87.5°	2.0	0.5	0.0	1.0	8.3	16.1	34.7	47.9	40.1	43.0	51.8
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°	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7
2.5°	793.2	805.9	823.0	837.2	855.2	872.3	889.9	907.5	916.8	920.7
5°	737.0	760.4	787.8	818.1	853.3	890.4	928.1	966.7	991.1	993.1
7.5°	703.3	737.0	774.6	812.7	856.2	907.5	967.2	1026.8	1051.7	1058.5
10°	714.0	751.6	781.4	817.1	865.0	929.0	999.4	1069.3	1098.1	1106.4
12.5°	757.0	764.3	773.6	806.4	865.0	947.6	1032.6	1115.7	1146.5	1154.3
15°	792.7	757.5	740.9	775.6	853.3	963.7	1067.8	1159.7	1196.9	1204.2
17.5°	795.6	735.0	698.9	730.1	832.8	975.0	1101.6	1208.6	1239.9	1246.7
20°	765.8	711.1	664.2	683.2	804.9	979.9	1126.0	1244.3	1275.0	1281.9
22.5°	732.1	691.5	640.7	639.7	771.2	985.2	1155.3	1278.0	1311.2	1315.6
25°	700.3	664.6	621.6	608.0	732.1	995.5	1194.9	1328.8	1354.2	1355.7
27.5°	663.2	635.8	606.5	593.3	697.9	1015.1	1253.5	1389.4	1404.6	1402.1
30°	629.5	608.9	595.7	591.8	676.4	1029.7	1309.3	1449.0	1450.0	1441.7
32.5°	593.8	586.0	586.0	598.7	658.8	1026.3	1354.7	1507.2	1497.9	1485.7
35°	562.0	563.5	573.7	603.6	629.5	992.1	1398.2	1580.0	1566.3	1548.7
37.5°	531.7	543.0	557.6	586.5	590.9	941.3	1449.0	1683.1	1666.0	1644.0
40°	505.8	522.9	540.0	554.2	549.8	868.9	1519.9	1804.3	1785.3	1759.8
42.5°	485.3	501.9	521.0	522.4	523.9	793.7	1595.2	1952.9	1949.5	1921.6
45°	472.1	482.8	500.9	498.5	522.4	710.6	1664.5	2179.7	2224.6	2203.6
47.5°	463.3	471.6	473.6	483.8	535.1	636.3	1754.0	2623.4	2748.5	2724.6
50°	458.4	466.7	444.7	484.8	537.1	588.4	1877.6	3180.5	3381.9	3350.1
52.5°	457.9	456.0	422.7	495.1	526.3	559.1	1942.1	3587.1	4033.8	4102.7
55°	458.9	434.5	411.5	498.0	504.8	548.3	1726.1	3782.6	4635.4	4781.1
57.5°	450.1	411.0	417.8	486.3	464.3	577.2	1276.0	3712.7	4875.9	5146.6
60°	433.5	388.5	429.6	454.5	422.7	527.8	878.7	3400.9	4626.6	4905.2
62.5°	409.5	372.9	428.1	413.4	407.6	432.0	604.0	2964.5	4231.3	4503.5
65°	382.7	360.2	405.1	373.9	377.3	332.3	427.1	2471.9	3759.2	4027.0
67.5°	353.8	352.4	371.4	332.8	318.6	263.4	311.3	1981.2	3152.7	3394.1
70°	321.1	331.8	337.7	295.7	258.5	206.7	231.2	1385.5	2325.8	2535.9
72.5°	288.3	289.3	297.6	257.1	193.5	165.7	173.5	839.1	1580.0	1733.0
75°	255.1	245.8	253.6	209.2	144.2	135.9	133.9	518.5	1091.3	1212.0
77.5°	219.4	209.2	198.9	157.4	115.8	105.1	102.6	290.8	669.5	743.8
80°	178.4	164.7	148.6	115.3	84.5	75.3	74.8	141.7	333.8	371.9
82.5°	138.8	112.9	108.5	71.8	52.3	45.9	48.9	54.2	100.7	112.4
85°	97.3	82.1	57.7	28.8	23.5	19.1	18.6	16.1	26.9	29.8
87.5°	54.2	35.7	18.6	3.4	3.9	4.4	3.4	2.4	2.4	2.4
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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