

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: P630951

Luminaire Tested: GWS-SA1E-760-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630951
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-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: 7238.6 lumens
Efficiency: N/A
Efficacy: 123.9 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

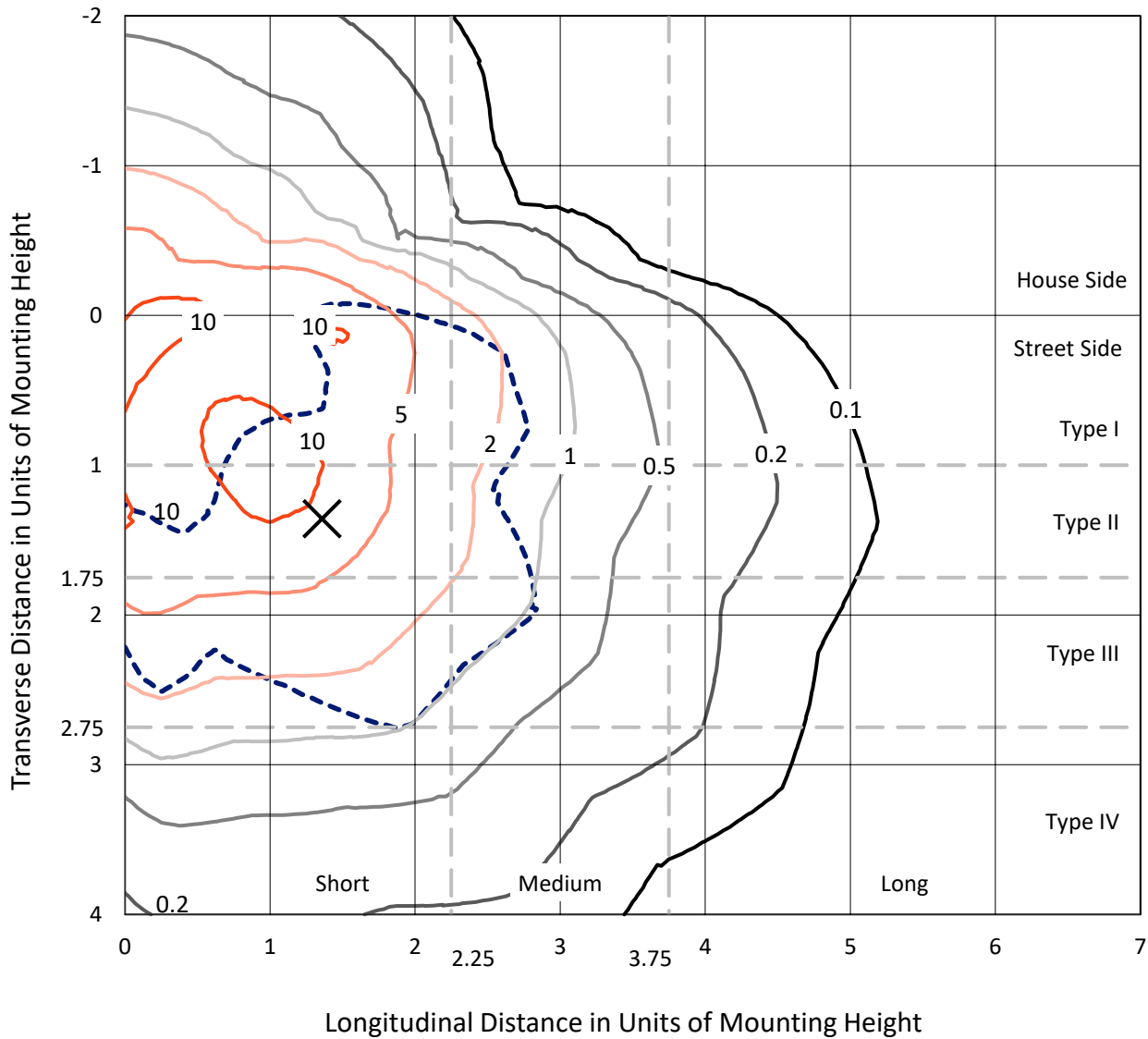
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

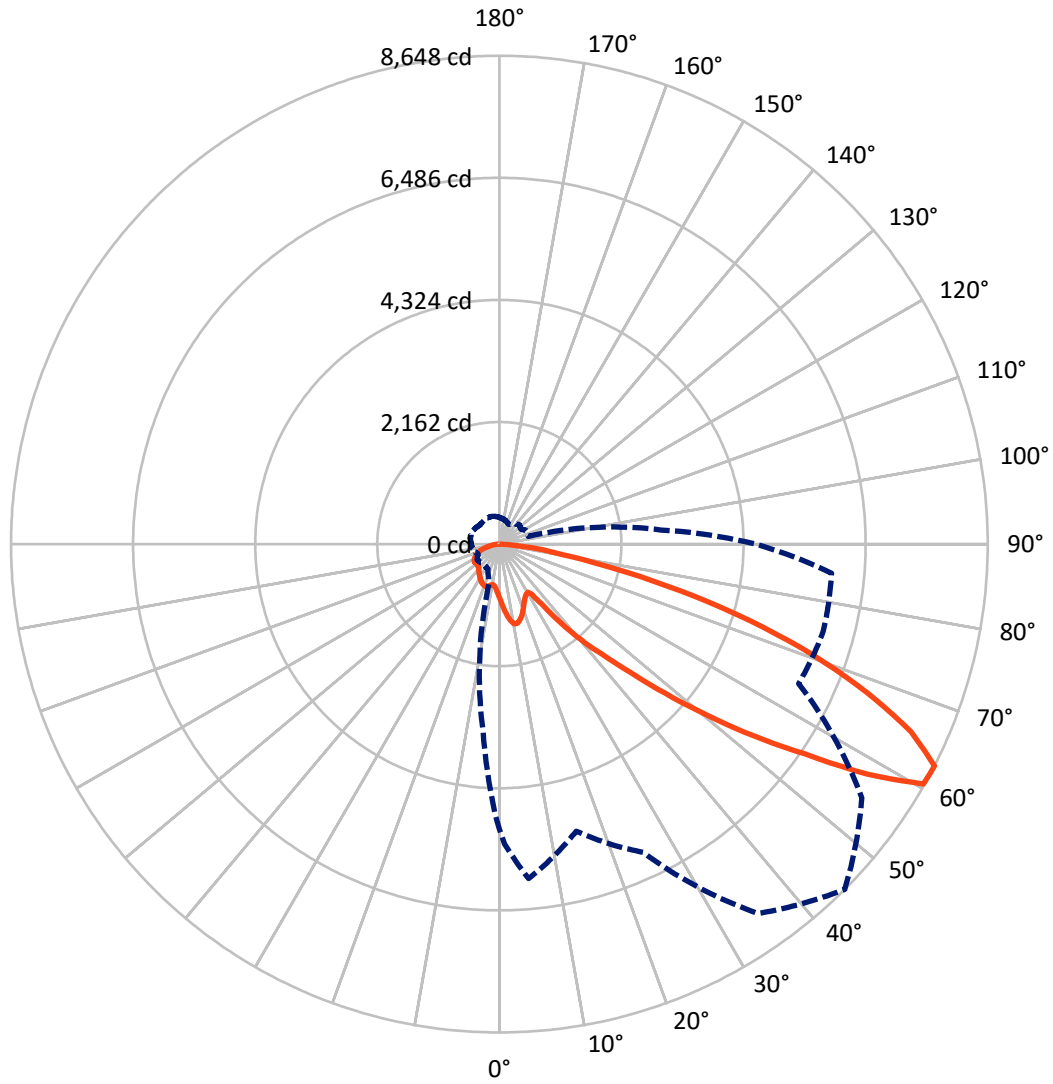
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 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	1727.3	0.0	1727.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5511.3	0.0	5511.3
	% Fixture	76.1	0.0	76.1
Total	Lumens	7238.6	0.0	7238.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	1.3
10°-20°	294.1	4.1
20°-30°	456.8	6.3
30°-40°	620.3	8.6
40°-50°	983.1	13.6
50°-60°	1734.2	24.0
60°-70°	1929.5	26.7
70°-80°	978.6	13.5
80°-90°	148.2	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°	7238.6	100.0
0°-180°	7238.6	100.0

Coefficient of Utilization



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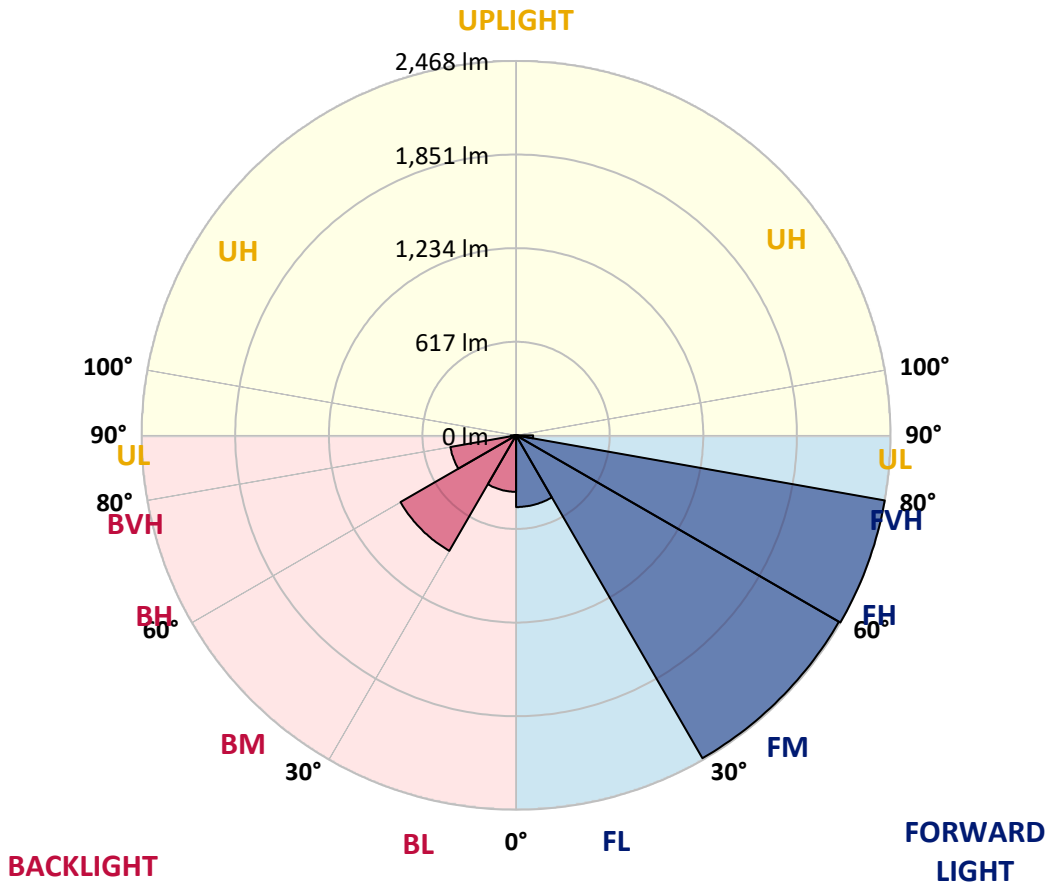
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	472.6	6.5			
FM (30°-60°)	2457.8	34.0			
FH (60°-80°)	2468.4	34.1			G2/5000
FVH (80°-90°)	112.5	1.6			G2/225
BL (0°-30°)	372.2	5.1	B1/500		
BM (30°-60°)	879.7	12.2	B1/1000		
BH (60°-80°)	439.7	6.1	B1/500		G1/500
BVH (80°-90°)	35.7	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°	960.7	960.7	960.7	960.7	960.7	960.7	960.7	960.7	960.7	960.7	960.7
2.5°	1032.5	1032.0	1042.4	1058.3	1073.1	1079.6	1090.6	1089.5	1080.7	1069.2	1065.4
5°	1113.6	1115.8	1133.9	1169.0	1207.9	1224.3	1231.4	1228.7	1212.8	1192.5	1156.9
7.5°	1187.0	1190.9	1218.8	1271.4	1319.7	1341.6	1359.1	1355.8	1332.8	1295.0	1242.4
10°	1240.8	1245.1	1278.6	1340.5	1394.2	1413.4	1435.9	1437.0	1416.7	1365.7	1312.0
12.5°	1294.5	1298.8	1330.1	1386.5	1421.6	1422.2	1435.3	1442.4	1443.5	1420.0	1366.3
15°	1350.4	1354.2	1382.7	1414.5	1412.8	1382.2	1382.2	1395.9	1426.0	1443.0	1405.7
17.5°	1398.0	1403.0	1424.9	1414.5	1365.7	1310.4	1303.8	1321.3	1373.9	1439.1	1435.3
20°	1437.5	1441.3	1453.4	1384.3	1295.6	1223.2	1210.6	1230.9	1302.1	1415.6	1457.8
22.5°	1475.3	1477.5	1470.9	1344.9	1219.9	1137.2	1121.8	1143.2	1219.9	1373.9	1477.0
25°	1520.3	1518.1	1486.8	1303.8	1150.9	1069.2	1053.3	1077.4	1157.5	1318.6	1497.8
27.5°	1572.3	1564.1	1500.5	1259.4	1097.7	1018.8	1007.8	1033.6	1108.1	1267.6	1514.2
30°	1616.7	1600.8	1502.7	1219.9	1070.3	997.4	990.9	1015.0	1084.0	1233.1	1535.1
32.5°	1666.0	1644.1	1515.3	1209.5	1085.7	1048.9	1057.7	1059.4	1090.6	1223.2	1566.3
35°	1736.7	1708.2	1549.9	1239.7	1243.5	1305.4	1337.2	1294.5	1189.8	1245.1	1625.5
37.5°	1843.6	1807.4	1620.0	1370.1	1569.6	1708.2	1785.0	1687.4	1491.2	1327.9	1714.8
40°	1973.5	1927.4	1709.9	1611.2	1874.3	2096.2	2232.7	2089.7	1801.4	1534.5	1840.3
42.5°	2154.9	2106.7	1884.2	1848.0	2156.5	2487.0	2665.1	2451.9	2074.9	1801.4	2041.4
45°	2471.1	2424.5	2203.7	2085.3	2487.0	2968.2	3218.1	2921.6	2352.7	2069.4	2417.4
47.5°	3055.3	3000.5	2678.3	2348.3	2864.0	3592.9	3942.6	3510.7	2641.5	2376.3	3048.7
50°	3756.8	3704.2	3274.0	2659.6	3280.6	4261.0	4747.1	4202.9	2974.2	2749.5	3803.4
52.5°	4600.8	4590.9	4124.0	3053.1	3714.1	4973.4	5639.9	4969.6	3338.6	3252.1	4658.3
55°	5361.5	5457.9	5203.6	3653.2	4274.1	5868.4	6557.8	5805.9	3833.0	4082.9	5659.6
57.5°	5771.4	6030.6	6421.4	4877.5	5088.5	6938.2	7690.6	6826.9	4682.4	5466.1	6588.0
60°	5500.7	5794.4	6502.5	5799.3	5896.3	7795.3	8625.6	7685.1	5516.5	6426.3	6535.3
62.5°	5050.2	5313.8	5943.5	5261.2	6021.3	7983.8	8647.5	7834.7	5848.1	5939.1	5903.5
65°	4515.8	4781.6	5448.6	4592.6	5624.0	7536.1	8009.6	7394.7	5252.4	5365.8	5379.0
67.5°	3806.1	4051.6	4730.7	4083.4	5126.3	6879.0	7030.2	6767.7	4837.0	5017.8	4828.8
70°	2843.8	3065.2	3664.7	3318.4	4321.3	6022.9	5900.7	5939.6	4370.6	4550.4	4033.6
72.5°	1943.3	2109.9	2624.0	2607.6	3309.1	4821.6	4651.2	5020.0	3650.5	3888.9	3075.0
75°	1359.1	1489.0	1896.8	2060.1	2501.2	3573.8	3312.3	3757.3	2850.9	3191.2	2243.7
77.5°	834.1	920.2	1198.0	1526.3	1609.0	2445.9	2057.3	2827.3	2002.0	2327.5	1496.7
80°	417.1	458.7	582.0	959.6	1067.0	1441.3	1136.1	1641.4	1354.7	1441.3	828.1
82.5°	126.0	139.2	170.4	364.4	553.0	829.7	671.3	953.6	739.9	675.7	326.1
85°	33.4	37.8	47.1	108.0	194.0	297.6	226.9	462.0	354.6	249.4	122.8
87.5°	2.7	2.7	2.2	2.2	1.1	0.0	0.0	32.9	66.3	37.8	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°	960.7	960.7	960.7	960.7	960.7	960.7	960.7	960.7	960.7	960.7	960.7
2.5°	1046.2	1044.0	1021.5	1005.1	985.9	967.3	948.1	931.1	911.9	892.8	887.3
5°	1130.6	1115.3	1067.6	1027.6	988.1	953.6	923.4	892.2	867.0	842.3	833.0
7.5°	1205.1	1178.3	1109.2	1048.4	993.6	950.8	906.5	861.0	825.3	790.3	781.5
10°	1272.5	1236.9	1149.8	1073.1	1012.2	963.5	911.4	850.6	799.0	756.3	744.8
12.5°	1322.4	1283.5	1184.9	1096.6	1027.6	972.8	921.3	867.5	813.3	757.9	745.3
15°	1361.9	1321.3	1213.9	1114.7	1028.1	957.4	907.6	888.9	871.9	817.7	794.7
17.5°	1393.7	1350.9	1239.1	1125.7	1013.3	910.8	867.5	894.9	938.2	904.3	861.0
20°	1422.7	1379.4	1258.3	1133.3	980.4	846.7	822.6	880.7	945.9	944.8	905.9
22.5°	1454.5	1412.3	1286.2	1137.7	934.4	781.5	795.8	859.9	913.0	928.9	904.8
25°	1495.0	1457.8	1325.2	1147.6	882.3	736.6	776.0	833.0	877.4	881.2	867.0
27.5°	1542.2	1514.2	1383.2	1170.6	831.9	713.5	753.0	795.2	835.8	837.4	820.4
30°	1593.7	1575.1	1437.0	1189.8	794.1	706.4	723.4	757.4	783.1	787.5	772.7
32.5°	1659.5	1643.0	1484.6	1177.2	771.6	704.8	696.0	713.5	734.9	734.9	723.4
35°	1749.9	1726.9	1535.1	1129.0	744.2	698.2	667.0	671.9	681.2	682.9	676.3
37.5°	1878.1	1840.3	1586.0	1033.6	699.3	674.6	633.5	627.5	630.8	635.2	633.5
40°	2037.1	1975.1	1660.6	919.1	645.6	629.1	599.0	587.5	584.8	593.5	596.8
42.5°	2237.1	2142.3	1740.6	812.2	596.8	577.1	558.5	548.6	544.2	559.0	567.8
45°	2556.6	2400.4	1817.3	706.4	569.4	532.7	520.1	513.0	515.2	532.7	543.7
47.5°	3108.5	2794.4	1890.2	639.6	567.2	500.9	485.6	487.2	493.2	511.9	525.0
50°	3806.7	3322.2	1939.0	611.6	573.8	481.7	461.4	470.2	479.5	497.6	513.0
52.5°	4517.5	3813.8	1880.9	596.3	573.2	482.3	439.0	465.3	469.7	487.8	504.2
55°	5006.3	3868.6	1624.9	572.7	564.5	504.2	421.4	463.1	465.8	482.3	497.1
57.5°	5192.7	3681.2	1239.1	579.3	538.2	521.2	413.8	447.7	467.5	481.7	497.1
60°	4967.4	3327.7	753.0	596.3	496.0	520.1	418.7	419.8	453.8	477.9	493.2
62.5°	4542.7	2873.9	528.9	548.0	465.3	491.0	430.2	386.9	429.7	458.7	472.4
65°	4056.0	2340.1	403.4	471.9	450.5	446.1	434.0	357.9	396.8	425.3	437.3
67.5°	3549.1	1818.9	327.7	351.8	407.2	403.4	396.8	332.1	357.9	378.1	391.8
70°	2910.6	1272.5	276.8	264.2	349.1	361.7	346.9	299.8	308.0	328.8	339.8
72.5°	2129.1	793.0	227.4	218.1	280.6	316.2	308.5	264.2	268.0	287.7	296.5
75°	1531.2	453.8	182.5	179.8	214.3	270.7	255.4	227.4	231.8	246.6	252.6
77.5°	973.3	252.6	140.8	144.7	153.5	202.2	218.1	194.6	194.6	203.3	208.3
80°	521.2	144.7	103.0	104.7	107.4	154.5	172.1	150.7	150.7	144.7	150.7
82.5°	212.6	83.3	70.7	65.8	71.8	105.8	120.6	95.9	100.3	90.4	92.6
85°	70.1	41.7	35.1	34.5	34.0	46.6	58.1	47.7	57.0	36.2	37.8
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°	960.7	960.7	960.7	960.7	960.7	960.7	960.7	960.7	960.7	960.7	960.7
2.5°	883.4	879.1	863.2	867.0	864.3	859.9	864.3	856.0	862.6	864.8	878.5
5°	825.9	815.5	800.1	792.5	790.8	786.4	787.0	783.1	784.2	793.6	808.9
7.5°	774.4	764.5	752.5	747.0	742.0	737.1	736.6	736.0	740.4	748.6	763.4
10°	737.1	731.6	726.7	728.9	726.7	724.5	720.7	720.7	727.8	742.6	760.7
12.5°	737.1	736.0	737.1	743.7	743.1	743.7	738.8	741.5	761.2	786.4	812.2
15°	776.6	767.8	767.8	771.1	770.0	770.0	770.0	781.5	826.4	865.4	892.8
17.5°	824.8	799.0	788.1	786.4	785.9	785.9	788.1	812.7	882.9	924.0	939.9
20°	858.2	809.5	791.4	784.2	784.8	785.9	792.5	826.4	903.7	924.5	920.7
22.5°	864.3	801.2	779.3	768.9	770.5	771.6	781.5	817.7	875.2	878.5	870.8
25°	836.3	778.2	754.6	746.4	748.6	748.1	756.8	783.1	824.2	823.2	818.8
27.5°	794.7	741.5	724.0	718.5	722.3	717.9	720.7	740.9	772.7	771.6	770.0
30°	751.9	705.9	690.0	687.2	692.2	685.6	686.1	703.1	725.1	724.0	723.4
32.5°	709.2	670.3	656.0	656.0	660.9	653.8	654.9	669.7	684.5	680.1	680.1
35°	668.6	641.2	629.7	627.5	631.3	626.4	628.6	642.3	647.8	641.8	637.9
37.5°	633.0	620.9	609.4	601.7	602.3	602.8	609.4	619.8	616.5	607.8	602.8
40°	600.1	600.1	589.1	574.9	573.2	577.1	588.0	599.6	590.2	580.4	574.3
42.5°	576.5	581.5	571.1	556.8	553.5	560.1	572.2	580.4	569.4	558.5	550.2
45°	554.6	566.7	559.5	543.7	539.3	546.9	562.3	565.6	550.8	540.4	534.3
47.5°	539.3	555.7	550.8	535.4	528.9	539.8	555.7	555.2	536.5	525.6	520.6
50°	528.3	549.1	548.6	535.4	528.3	542.0	556.3	549.1	528.9	517.3	512.4
52.5°	519.5	548.6	552.4	544.7	539.8	551.9	560.6	546.9	523.4	511.3	507.5
55°	515.7	550.8	553.5	546.4	542.0	553.0	560.6	551.3	523.4	512.4	509.1
57.5°	516.8	548.0	548.6	538.7	531.0	544.7	556.8	554.1	529.4	516.8	513.0
60°	510.2	533.2	534.3	519.0	510.2	526.7	548.0	546.4	526.7	513.5	506.4
62.5°	488.3	508.6	509.1	494.9	482.3	505.8	529.4	528.9	510.8	497.6	489.4
65°	451.6	473.0	478.4	464.7	454.9	480.1	504.7	503.6	485.6	473.5	465.3
67.5°	406.1	429.1	439.5	430.2	426.4	449.4	472.4	471.9	457.1	445.6	438.4
70°	350.7	369.9	387.5	387.5	384.7	411.0	435.7	433.5	419.8	411.0	405.5
72.5°	304.7	319.5	325.0	330.5	338.7	366.1	386.9	388.6	378.7	374.3	378.7
75°	259.2	268.5	273.5	269.1	283.3	311.8	339.2	342.0	331.6	324.4	326.1
77.5°	213.2	223.6	228.5	218.7	217.6	253.7	287.2	293.2	284.4	273.5	276.8
80°	154.0	167.7	175.9	169.3	167.2	183.0	229.1	235.7	227.4	218.7	223.6
82.5°	94.3	101.9	104.1	110.7	124.4	131.0	147.4	169.3	163.3	155.6	169.3
85°	37.3	44.4	49.3	55.9	65.2	77.3	91.0	108.5	98.6	95.4	112.3
87.5°	2.2	0.5	0.0	1.1	9.3	18.1	38.9	53.7	44.9	48.2	58.1
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	960.7	960.7	960.7	960.7	960.7	960.7	960.7	960.7	960.7	960.7
2.5°	889.5	903.7	922.9	938.8	959.1	978.2	998.0	1017.7	1028.1	1032.5
5°	826.4	852.7	883.4	917.4	956.9	998.5	1040.7	1084.0	1111.4	1113.6
7.5°	788.6	826.4	868.6	911.4	960.2	1017.7	1084.6	1151.4	1179.4	1187.0
10°	800.7	842.9	876.3	916.3	970.0	1041.8	1120.7	1199.1	1231.4	1240.8
12.5°	848.9	857.1	867.5	904.3	970.0	1062.6	1158.0	1251.2	1285.7	1294.5
15°	888.9	849.5	830.8	869.7	956.9	1080.7	1197.5	1300.5	1342.1	1350.4
17.5°	892.2	824.2	783.7	818.8	933.9	1093.3	1235.3	1355.3	1390.4	1398.0
20°	858.8	797.4	744.8	766.2	902.6	1098.8	1262.7	1395.3	1429.8	1437.5
22.5°	821.0	775.5	718.5	717.4	864.8	1104.8	1295.6	1433.1	1470.4	1475.3
25°	785.3	745.3	697.1	681.8	821.0	1116.4	1340.0	1490.1	1518.6	1520.3
27.5°	743.7	713.0	680.1	665.3	782.6	1138.3	1405.7	1558.1	1575.1	1572.3
30°	705.9	682.9	668.1	663.7	758.5	1154.7	1468.2	1624.9	1626.0	1616.7
32.5°	665.9	657.1	657.1	671.3	738.8	1150.9	1519.2	1690.1	1679.7	1666.0
35°	630.2	631.9	643.4	676.8	705.9	1112.5	1567.9	1771.8	1756.5	1736.7
37.5°	596.3	608.9	625.3	657.6	662.6	1055.5	1624.9	1887.4	1868.3	1843.6
40°	567.2	586.4	605.6	621.5	616.5	974.4	1704.4	2023.4	2002.0	1973.5
42.5°	544.2	562.8	584.2	585.9	587.5	890.0	1788.8	2190.0	2186.1	2154.9
45°	529.4	541.5	561.7	559.0	585.9	796.8	1866.6	2444.2	2494.7	2471.1
47.5°	519.5	528.9	531.0	542.6	600.1	713.5	1966.9	2941.9	3082.2	3055.3
50°	514.1	523.4	498.7	543.7	602.3	659.8	2105.6	3566.6	3792.4	3756.8
52.5°	513.5	511.3	474.1	555.2	590.2	627.0	2177.9	4022.6	4523.5	4600.8
55°	514.6	487.2	461.4	558.5	566.1	614.9	1935.7	4241.8	5198.1	5361.5
57.5°	504.7	460.9	468.6	545.3	520.6	647.2	1430.9	4163.4	5467.8	5771.4
60°	486.1	435.7	481.7	509.7	474.1	591.9	985.4	3813.8	5188.3	5500.7
62.5°	459.3	418.2	480.1	463.6	457.1	484.5	677.4	3324.4	4744.9	5050.2
65°	429.1	403.9	454.3	419.2	423.1	372.7	479.0	2772.0	4215.5	4515.8
67.5°	396.8	395.1	416.5	373.2	357.3	295.4	349.1	2221.7	3535.4	3806.1
70°	360.1	372.1	378.7	331.6	289.9	231.8	259.2	1553.7	2608.1	2843.8
72.5°	323.3	324.4	333.8	288.3	217.0	185.8	194.6	941.0	1771.8	1943.3
75°	286.1	275.7	284.4	234.6	161.7	152.4	150.2	581.5	1223.8	1359.1
77.5°	246.1	234.6	223.1	176.5	129.9	117.8	115.1	326.1	750.8	834.1
80°	200.0	184.7	166.6	129.3	94.8	84.4	83.8	158.9	374.3	417.1
82.5°	155.6	126.6	121.7	80.6	58.6	51.5	54.8	60.8	112.9	126.0
85°	109.1	92.1	64.7	32.3	26.3	21.4	20.8	18.1	30.1	33.4
87.5°	60.8	40.0	20.8	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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