

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: P634581

Luminaire Tested: GWS-SA3C-722-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634581
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-SA3C-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: 9729 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

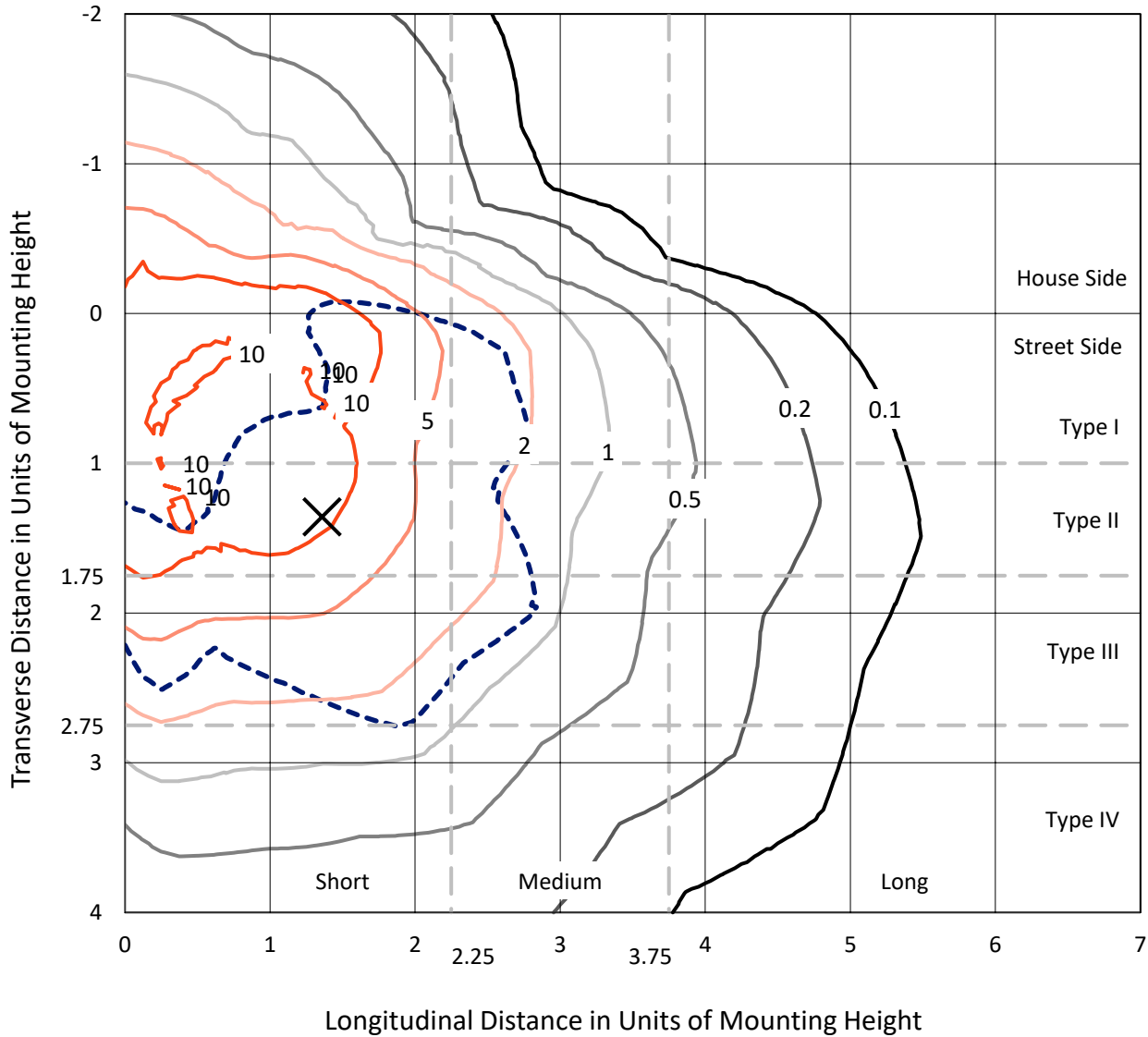
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

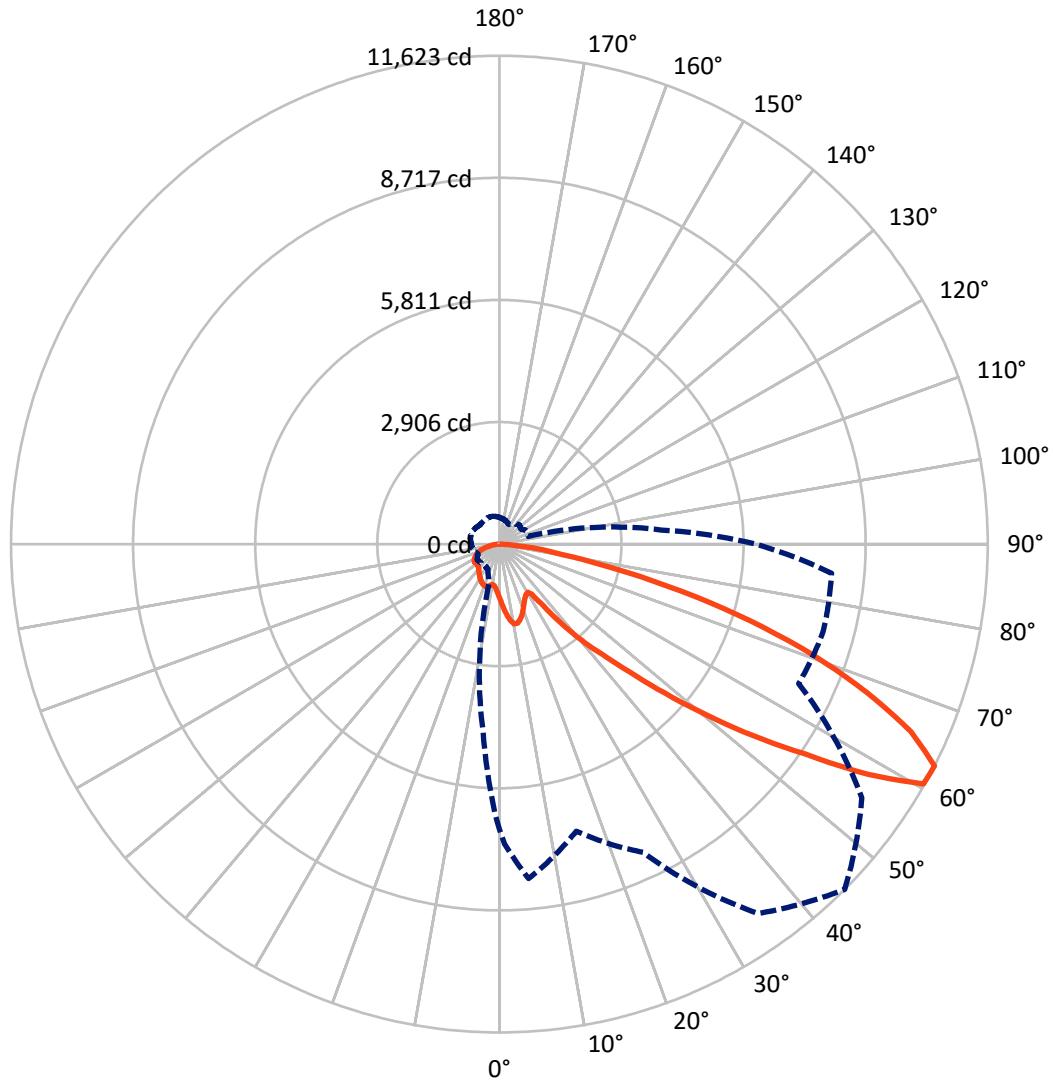
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.4 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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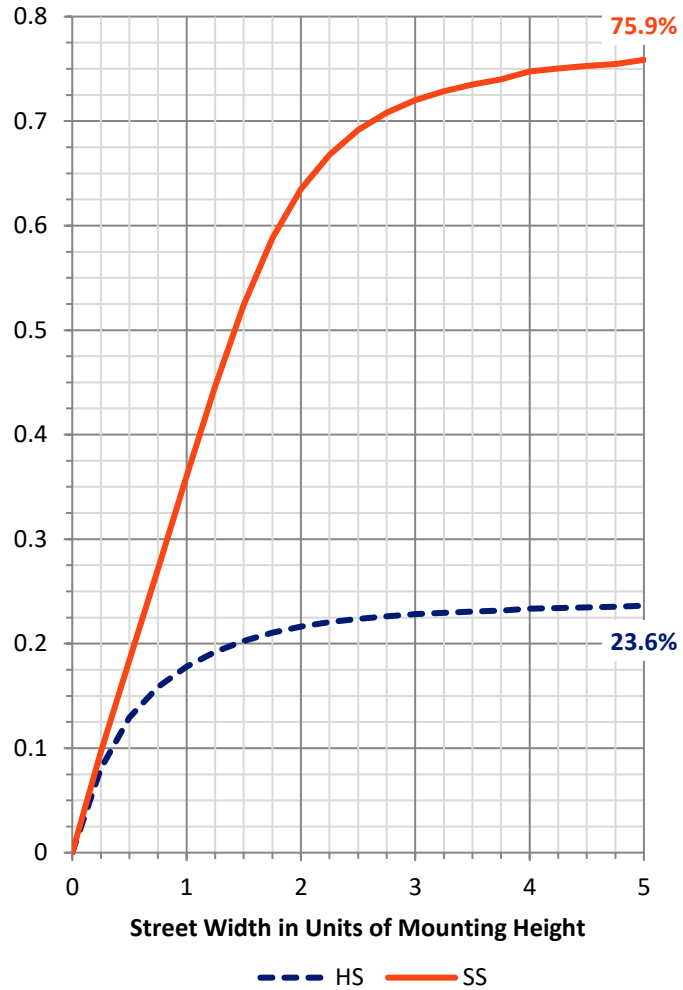
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2321.5	0.0	2321.5
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	7407.5	0.0	7407.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	9729.0	0.0	9729.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	1.3
10°-20°	395.3	4.1
20°-30°	614.0	6.3
30°-40°	833.7	8.6
40°-50°	1321.3	13.6
50°-60°	2330.8	24.0
60°-70°	2593.4	26.7
70°-80°	1315.3	13.5
80°-90°	199.2	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°	9729.0	100.0
0°-180°	9729.0	100.0

Coefficient of Utilization



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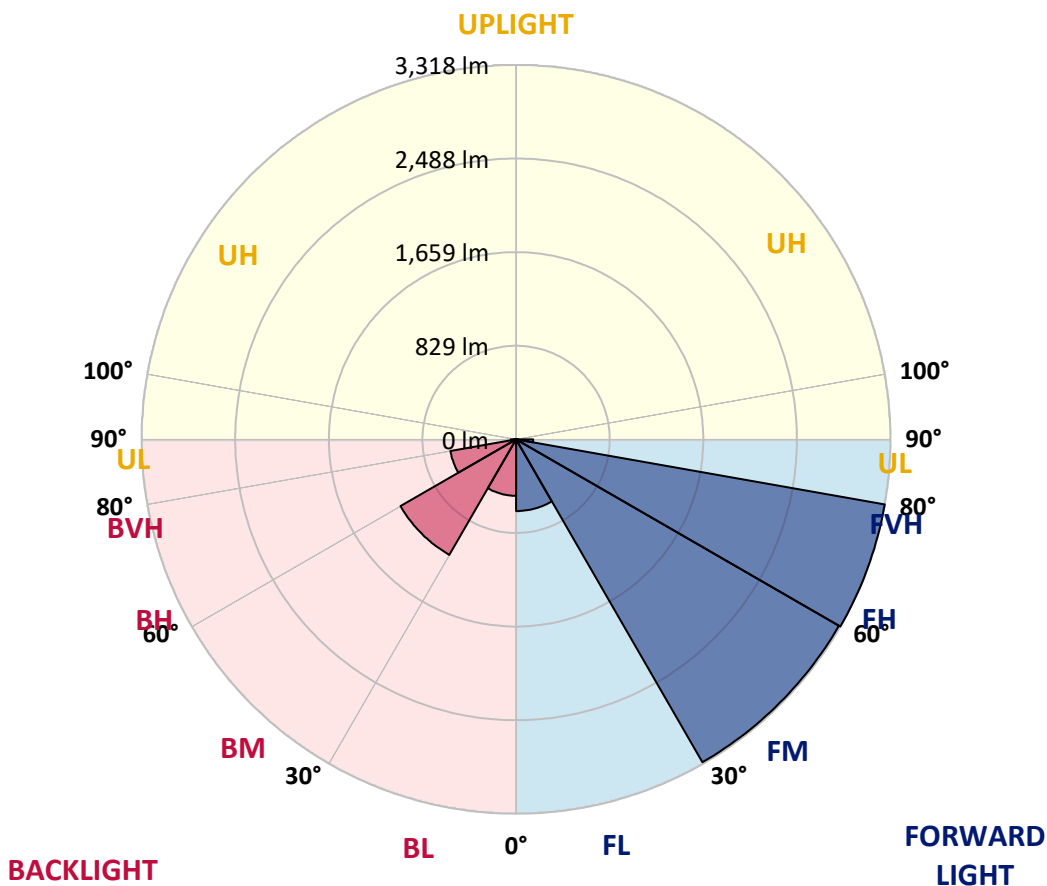
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	635.2	6.5			
FM (30°-60°)	3303.4	34.0			
FH (60°-80°)	3317.7	34.1			G2/5000
FVH (80°-90°)	151.2	1.6			G2/225
BL (0°-30°)	500.2	5.1	B2/1000		
BM (30°-60°)	1182.4	12.2	B2/2500		
BH (60°-80°)	590.9	6.1	B2/1000		G2/1000
BVH (80°-90°)	48.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2
2.5°	1387.7	1387.0	1401.0	1422.3	1442.2	1451.1	1465.8	1464.3	1452.5	1437.1	1431.9
5°	1496.7	1499.7	1524.0	1571.1	1623.4	1645.5	1655.1	1651.4	1630.1	1602.8	1554.9
7.5°	1595.4	1600.6	1638.2	1708.9	1773.7	1803.2	1826.7	1822.3	1791.4	1740.6	1669.8
10°	1667.6	1673.5	1718.5	1801.7	1873.9	1899.7	1929.9	1931.3	1904.1	1835.6	1763.4
12.5°	1739.8	1745.7	1787.7	1863.6	1910.7	1911.4	1929.1	1938.7	1940.2	1908.5	1836.3
15°	1815.0	1820.1	1858.4	1901.1	1898.9	1857.7	1857.7	1876.1	1916.6	1939.4	1889.3
17.5°	1879.0	1885.7	1915.1	1901.1	1835.6	1761.2	1752.3	1775.9	1846.6	1934.3	1929.1
20°	1932.1	1937.2	1953.4	1860.6	1741.3	1644.1	1627.1	1654.4	1750.1	1902.6	1959.3
22.5°	1982.9	1985.8	1977.0	1807.6	1639.6	1528.4	1507.8	1536.5	1639.6	1846.6	1985.1
25°	2043.3	2040.3	1998.4	1752.3	1546.8	1437.1	1415.7	1448.1	1555.7	1772.2	2013.1
27.5°	2113.3	2102.2	2016.8	1692.7	1475.4	1369.3	1354.6	1389.2	1489.4	1703.7	2035.2
30°	2172.9	2151.6	2019.7	1639.6	1438.6	1340.6	1331.7	1364.2	1457.0	1657.3	2063.2
32.5°	2239.2	2209.8	2036.7	1625.6	1459.2	1409.8	1421.6	1423.8	1465.8	1644.1	2105.2
35°	2334.2	2295.9	2083.1	1666.2	1671.3	1754.6	1797.3	1739.8	1599.1	1673.5	2184.7
37.5°	2477.9	2429.3	2177.4	1841.5	2109.6	2295.9	2399.1	2268.0	2004.3	1784.8	2304.8
40°	2652.4	2590.6	2298.2	2165.6	2519.1	2817.4	3000.9	2808.6	2421.2	2062.4	2473.5
42.5°	2896.3	2831.4	2532.4	2483.8	2898.5	3342.6	3582.0	3295.5	2788.7	2421.2	2743.8
45°	3321.3	3258.7	2961.8	2802.7	3342.6	3989.4	4325.2	3926.7	3162.2	2781.4	3249.1
47.5°	4106.5	4032.8	3599.7	3156.3	3849.4	4829.1	5299.0	4718.6	3550.3	3193.8	4097.6
50°	5049.3	4978.6	4400.4	3574.7	4409.2	5727.0	6380.3	5648.9	3997.5	3695.5	5111.9
52.5°	6183.6	6170.4	5542.8	4103.5	4991.8	6684.5	7580.2	6679.4	4487.3	4370.9	6261.0
55°	7206.0	7335.7	6993.9	4910.1	5744.6	7887.4	8814.0	7803.4	5151.7	5487.6	7606.7
57.5°	7757.0	8105.4	8630.6	6555.6	6839.2	9325.2	10336.5	9175.7	6293.4	7346.7	8854.5
60°	7393.1	7787.9	8739.6	7794.6	7924.9	10477.2	11593.1	10329.2	7414.5	8637.2	8783.8
62.5°	6787.6	7141.9	7988.3	7071.2	8092.9	10730.6	11622.6	10530.2	7860.1	7982.4	7934.5
65°	6069.5	6426.7	7323.1	6172.6	7558.9	10128.8	10765.2	9938.8	7059.4	7211.9	7229.6
67.5°	5115.6	5445.6	6358.2	5488.3	6890.0	9245.6	9448.9	9096.1	6501.1	6744.2	6490.1
70°	3822.1	4119.7	4925.6	4460.0	5808.0	8095.1	7930.8	7983.1	5874.3	6115.9	5421.3
72.5°	2611.9	2835.9	3526.8	3504.7	4447.5	6480.5	6251.4	6747.1	4906.4	5226.8	4133.0
75°	1826.7	2001.3	2549.3	2768.8	3361.8	4803.3	4451.9	5050.0	3831.7	4289.1	3015.6
77.5°	1121.1	1236.7	1610.2	2051.4	2162.6	3287.4	2765.1	3800.1	2690.8	3128.3	2011.6
80°	560.5	616.5	782.3	1289.8	1434.1	1937.2	1526.9	2206.1	1820.8	1937.2	1113.0
82.5°	169.4	187.1	229.1	489.8	743.2	1115.2	902.3	1281.7	994.4	908.2	438.3
85°	44.9	50.8	63.3	145.1	260.8	400.0	304.9	620.9	476.6	335.1	165.0
87.5°	3.7	3.7	2.9	2.9	1.5	0.0	0.0	44.2	89.1	50.8	28.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2
2.5°	1406.1	1403.2	1373.0	1350.9	1325.1	1300.1	1274.3	1251.5	1225.7	1199.9	1192.5
5°	1519.6	1499.0	1434.9	1381.1	1328.1	1281.7	1241.1	1199.2	1165.3	1132.1	1119.6
7.5°	1619.8	1583.7	1490.9	1409.1	1335.4	1278.0	1218.3	1157.2	1109.3	1062.2	1050.4
10°	1710.4	1662.5	1545.4	1442.2	1360.5	1294.9	1224.9	1143.2	1073.9	1016.5	1001.0
12.5°	1777.4	1725.1	1592.5	1473.9	1381.1	1307.4	1238.2	1166.0	1093.1	1018.7	1001.8
15°	1830.4	1775.9	1631.5	1498.2	1381.8	1286.8	1219.8	1194.7	1171.9	1099.0	1068.1
17.5°	1873.1	1815.7	1665.4	1512.9	1361.9	1224.2	1166.0	1202.8	1261.0	1215.4	1157.2
20°	1912.2	1854.0	1691.2	1523.3	1317.8	1138.0	1105.6	1183.7	1271.3	1269.9	1217.6
22.5°	1954.9	1898.2	1728.8	1529.2	1255.9	1050.4	1069.5	1155.7	1227.2	1248.5	1216.1
25°	2009.4	1959.3	1781.1	1542.4	1185.9	990.0	1043.0	1119.6	1179.3	1184.4	1165.3
27.5°	2072.8	2035.2	1859.1	1573.3	1118.1	959.0	1012.1	1068.8	1123.3	1125.5	1102.7
30°	2142.0	2117.0	1931.3	1599.1	1067.3	949.5	972.3	1018.0	1052.6	1058.5	1038.6
32.5°	2230.4	2208.3	1995.4	1582.2	1037.1	947.3	935.5	959.0	987.8	987.8	972.3
35°	2351.9	2321.0	2063.2	1517.4	1000.3	938.4	896.4	903.1	915.6	917.8	908.9
37.5°	2524.3	2473.5	2131.7	1389.2	939.9	906.7	851.5	843.4	847.8	853.7	851.5
40°	2737.9	2654.7	2231.9	1235.3	867.7	845.6	805.1	789.6	785.9	797.7	802.1
42.5°	3006.7	2879.3	2339.4	1091.6	802.1	775.6	750.6	737.3	731.4	751.3	763.1
45°	3436.2	3226.3	2442.5	949.5	765.3	716.0	699.0	689.4	692.4	716.0	730.7
47.5°	4177.9	3755.9	2540.5	859.6	762.4	673.2	652.6	654.8	662.9	688.0	705.7
50°	5116.3	4465.2	2606.0	822.0	771.2	647.5	620.2	632.0	644.5	668.8	689.4
52.5°	6071.7	5125.9	2528.0	801.4	770.5	648.2	590.0	625.4	631.3	655.6	677.7
55°	6728.7	5199.6	2184.0	769.7	758.7	677.7	566.4	622.4	626.1	648.2	668.1
57.5°	6979.2	4947.7	1665.4	778.6	723.3	700.5	556.1	601.8	628.3	647.5	668.1
60°	6676.4	4472.6	1012.1	801.4	666.6	699.0	562.8	564.2	609.9	642.3	662.9
62.5°	6105.6	3862.7	710.8	736.6	625.4	660.0	578.2	520.0	577.5	616.5	634.9
65°	5451.5	3145.2	542.1	634.2	605.5	599.6	583.4	481.0	533.3	571.6	587.8
67.5°	4770.1	2444.7	440.5	472.9	547.3	542.1	533.3	446.4	481.0	508.2	526.7
70°	3912.0	1710.4	372.0	355.0	469.2	486.1	466.3	402.9	414.0	442.0	456.7
72.5°	2861.6	1065.8	305.7	293.2	377.1	425.0	414.7	355.0	360.2	386.7	398.5
75°	2058.0	609.9	245.3	241.6	288.0	363.9	343.2	305.7	311.6	331.5	339.6
77.5°	1308.2	339.6	189.3	194.5	206.2	271.8	293.2	261.5	261.5	273.3	279.9
80°	700.5	194.5	138.5	140.7	144.4	207.7	231.3	202.6	202.6	194.5	202.6
82.5°	285.8	112.0	95.0	88.4	96.5	142.2	162.0	128.9	134.8	121.5	124.5
85°	94.3	56.0	47.1	46.4	45.7	62.6	78.1	64.1	76.6	48.6	50.8
87.5°	12.5	10.3	5.9	4.4	5.2	2.2	4.4	5.2	5.2	3.7	3.7
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°	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2
2.5°	1187.4	1181.5	1160.1	1165.3	1161.6	1155.7	1161.6	1150.5	1159.4	1162.3	1180.7
5°	1110.0	1096.0	1075.4	1065.1	1062.9	1057.0	1057.7	1052.6	1054.1	1066.6	1087.2
7.5°	1040.8	1027.5	1011.3	1004.0	997.3	990.7	990.0	989.2	995.1	1006.2	1026.1
10°	990.7	983.3	976.7	979.7	976.7	973.8	968.6	968.6	978.2	998.1	1022.4
12.5°	990.7	989.2	990.7	999.5	998.8	999.5	992.9	996.6	1023.1	1057.0	1091.6
15°	1043.7	1032.0	1032.0	1036.4	1034.9	1034.9	1034.9	1050.4	1110.8	1163.1	1199.9
17.5°	1108.6	1073.9	1059.2	1057.0	1056.3	1056.3	1059.2	1092.4	1186.6	1241.9	1263.2
20°	1153.5	1087.9	1063.6	1054.1	1054.8	1056.3	1065.1	1110.8	1214.6	1242.6	1237.5
22.5°	1161.6	1076.9	1047.4	1033.4	1035.6	1037.1	1050.4	1099.0	1176.3	1180.7	1170.4
25°	1124.0	1046.0	1014.3	1003.2	1006.2	1005.4	1017.2	1052.6	1107.8	1106.4	1100.5
27.5°	1068.1	996.6	973.0	965.7	970.8	964.9	968.6	995.9	1038.6	1037.1	1034.9
30°	1010.6	948.7	927.4	923.7	930.3	921.5	922.2	945.0	974.5	973.0	972.3
32.5°	953.1	900.8	881.7	881.7	888.3	878.7	880.2	900.1	920.0	914.1	914.1
35°	898.6	861.8	846.3	843.4	848.5	841.9	844.9	863.3	870.6	862.5	857.4
37.5°	850.8	834.6	819.1	808.8	809.5	810.2	819.1	833.1	828.7	816.9	810.2
40°	806.6	806.6	791.8	772.7	770.5	775.6	790.4	805.8	793.3	780.0	771.9
42.5°	774.9	781.5	767.5	748.4	744.0	752.8	769.0	780.0	765.3	750.6	739.5
45°	745.4	761.6	752.1	730.7	724.8	735.1	755.7	760.2	740.3	726.3	718.2
47.5°	724.8	746.9	740.3	719.6	710.8	725.5	746.9	746.2	721.1	706.4	699.8
50°	710.1	738.1	737.3	719.6	710.1	728.5	747.6	738.1	710.8	695.3	688.7
52.5°	698.3	737.3	742.5	732.2	725.5	741.7	753.5	735.1	703.4	687.2	682.1
55°	693.1	740.3	744.0	734.4	728.5	743.2	753.5	741.0	703.4	688.7	684.3
57.5°	694.6	736.6	737.3	724.1	713.8	732.2	748.4	744.7	711.5	694.6	689.4
60°	685.8	716.7	718.2	697.5	685.8	707.9	736.6	734.4	707.9	690.2	680.6
62.5°	656.3	683.6	684.3	665.1	648.2	679.9	711.5	710.8	686.5	668.8	657.8
65°	606.9	635.7	643.0	624.6	611.4	645.3	678.4	676.9	652.6	636.4	625.4
67.5°	545.8	576.7	590.7	578.2	573.1	604.0	634.9	634.2	614.3	598.8	589.3
70°	471.4	497.2	520.8	520.8	517.1	552.4	585.6	582.6	564.2	552.4	545.1
72.5°	409.5	429.4	436.8	444.2	455.2	492.0	520.0	522.2	509.0	503.1	509.0
75°	348.4	360.9	367.6	361.7	380.8	419.1	455.9	459.6	445.6	436.1	438.3
77.5°	286.5	300.5	307.2	293.9	292.4	341.0	386.0	394.1	382.3	367.6	372.0
80°	207.0	225.4	236.4	227.6	224.7	246.0	307.9	316.7	305.7	293.9	300.5
82.5°	126.7	137.0	140.0	148.8	167.2	176.0	198.1	227.6	219.5	209.2	227.6
85°	50.1	59.7	66.3	75.1	87.7	103.9	122.3	145.8	132.6	128.2	151.0
87.5°	2.9	0.7	0.0	1.5	12.5	24.3	52.3	72.2	60.4	64.8	78.1
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°	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2
2.5°	1195.5	1214.6	1240.4	1261.8	1289.0	1314.8	1341.3	1367.8	1381.8	1387.7
5°	1110.8	1146.1	1187.4	1233.0	1286.1	1342.1	1398.8	1457.0	1493.8	1496.7
7.5°	1059.9	1110.8	1167.5	1224.9	1290.5	1367.8	1457.7	1547.6	1585.1	1595.4
10°	1076.2	1132.9	1177.8	1231.6	1303.8	1400.3	1506.3	1611.7	1655.1	1667.6
12.5°	1141.0	1152.0	1166.0	1215.4	1303.8	1428.2	1556.4	1681.6	1728.0	1739.8
15°	1194.7	1141.7	1116.7	1169.0	1286.1	1452.5	1609.4	1747.9	1803.9	1815.0
17.5°	1199.2	1107.8	1053.3	1100.5	1255.1	1469.5	1660.3	1821.6	1868.7	1879.0
20°	1154.2	1071.7	1001.0	1029.7	1213.2	1476.9	1697.1	1875.4	1921.8	1932.1
22.5°	1103.4	1042.3	965.7	964.2	1162.3	1485.0	1741.3	1926.2	1976.3	1982.9
25°	1055.5	1001.8	936.9	916.3	1103.4	1500.4	1801.0	2002.8	2041.1	2043.3
27.5°	999.5	958.3	914.1	894.2	1051.8	1529.9	1889.3	2094.1	2117.0	2113.3
30°	948.7	917.8	897.9	892.0	1019.4	1552.0	1973.3	2184.0	2185.5	2172.9
32.5°	895.0	883.2	883.2	902.3	992.9	1546.8	2041.8	2271.6	2257.6	2239.2
35°	847.1	849.3	864.8	909.7	948.7	1495.3	2107.4	2381.4	2360.8	2334.2
37.5°	801.4	818.3	840.4	883.9	890.5	1418.7	2184.0	2536.8	2511.0	2477.9
40°	762.4	788.1	813.9	835.3	828.7	1309.7	2290.8	2719.5	2690.8	2652.4
42.5°	731.4	756.5	785.2	787.4	789.6	1196.2	2404.2	2943.4	2938.2	2896.3
45°	711.5	727.7	755.0	751.3	787.4	1071.0	2508.8	3285.2	3352.9	3321.3
47.5°	698.3	710.8	713.8	729.2	806.6	959.0	2643.6	3954.0	4142.6	4106.5
50°	690.9	703.4	670.3	730.7	809.5	886.9	2830.0	4793.7	5097.2	5049.3
52.5°	690.2	687.2	637.1	746.2	793.3	842.7	2927.2	5406.5	6079.8	6183.6
55°	691.7	654.8	620.2	750.6	760.9	826.5	2601.6	5701.2	6986.5	7206.0
57.5°	678.4	619.5	629.8	732.9	699.8	869.9	1923.2	5595.9	7348.9	7757.0
60°	653.4	585.6	647.5	685.0	637.1	795.5	1324.4	5125.9	6973.3	7393.1
62.5°	617.3	562.0	645.3	623.2	614.3	651.1	910.4	4468.1	6377.4	6787.6
65°	576.7	542.9	610.6	563.5	568.6	500.9	643.8	3725.7	5665.8	6069.5
67.5°	533.3	531.1	559.8	501.6	480.3	397.0	469.2	2986.1	4751.7	5115.6
70°	483.9	500.1	509.0	445.6	389.7	311.6	348.4	2088.2	3505.4	3822.1
72.5°	434.6	436.1	448.6	387.4	291.7	249.7	261.5	1264.7	2381.4	2611.9
75°	384.5	370.5	382.3	315.3	217.3	204.8	201.8	781.5	1644.8	1826.7
77.5°	330.7	315.3	299.8	237.2	174.6	158.4	154.7	438.3	1009.1	1121.1
80°	268.9	248.2	223.9	173.8	127.4	113.4	112.7	213.6	503.1	560.5
82.5°	209.2	170.2	163.5	108.3	78.8	69.2	73.7	81.8	151.7	169.4
85°	146.6	123.7	86.9	43.5	35.4	28.7	28.0	24.3	40.5	44.9
87.5°	81.8	53.8	28.0	5.2	5.9	6.6	5.2	3.7	3.7	3.7
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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