

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: P634357

Luminaire Tested: GWS-SA3B-750-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-750-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9972 lumens
Efficiency: N/A
Efficacy: 146.0 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

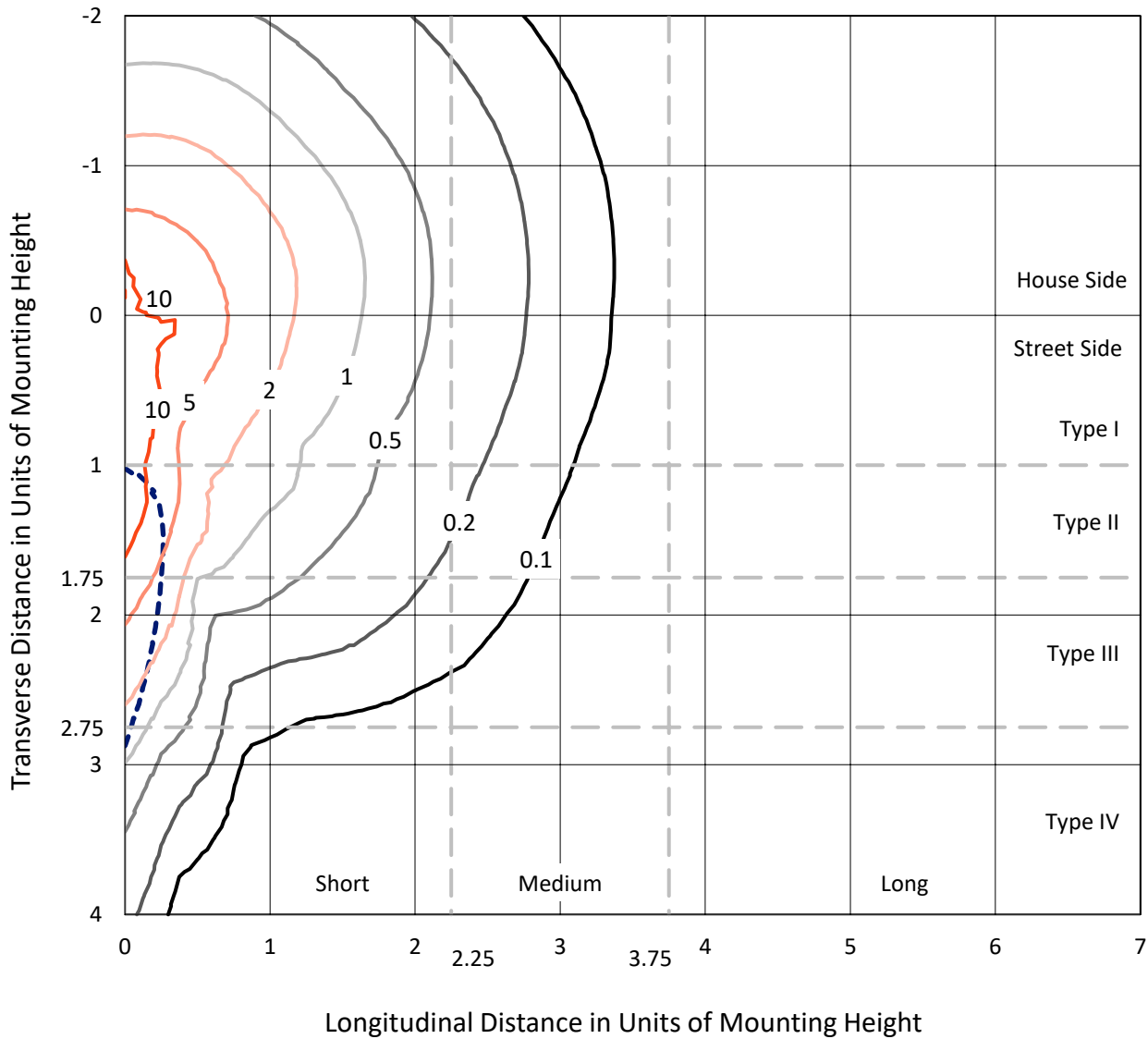
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

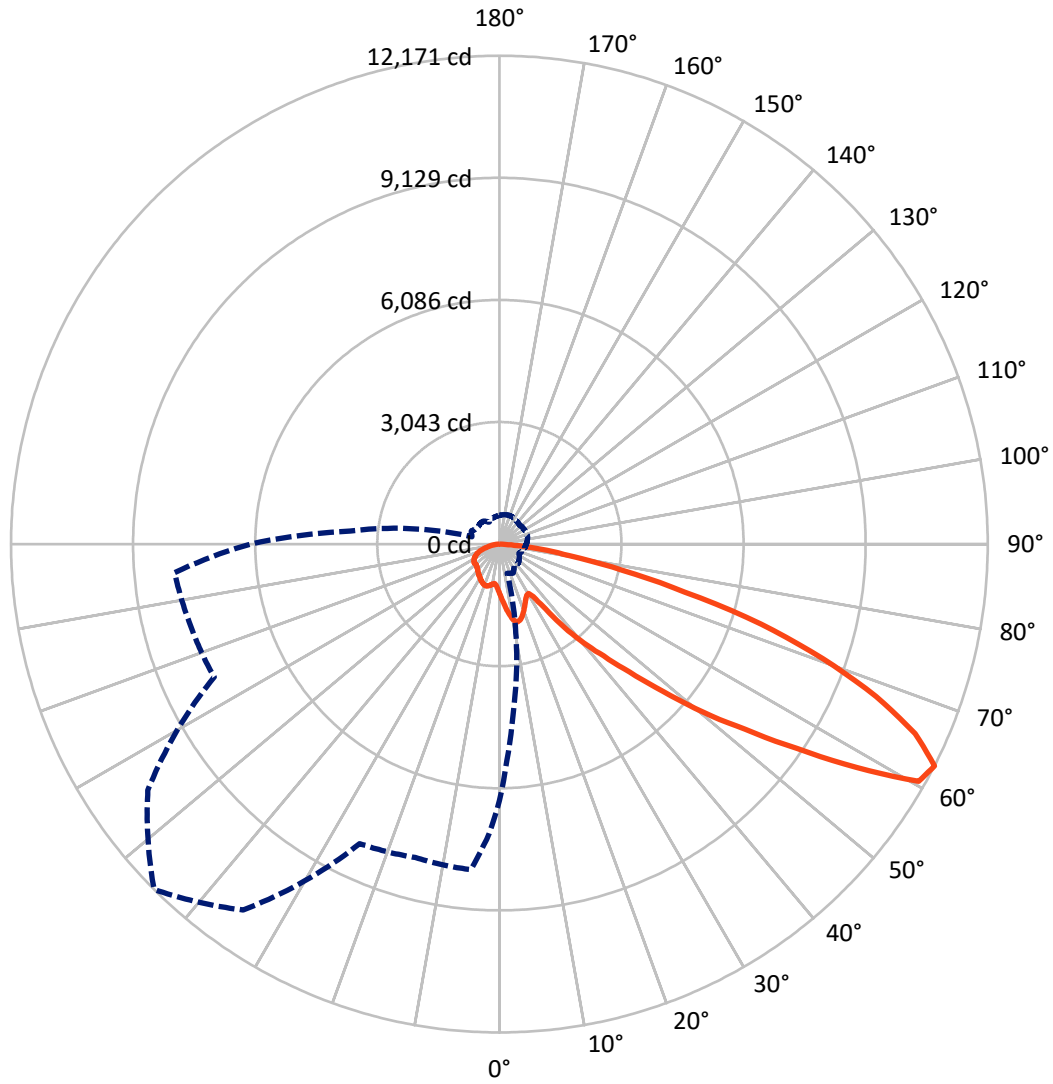
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2384.3	0.0	2384.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	7587.7	0.0	7587.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	9972.0	0.0	9972.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	1.2
10°-20°	398.1	4.0
20°-30°	626.7	6.3
30°-40°	859.0	8.6
40°-50°	1340.2	13.4
50°-60°	2310.8	23.2
60°-70°	2678.0	26.9
70°-80°	1413.5	14.2
80°-90°	223.3	2.2
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°	9972.0	100.0
0°-180°	9972.0	100.0

Coefficient of Utilization





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3
2.5°	1350.9	1345.5	1337.9	1312.0	1295.9	1277.6	1258.6	1236.4	1211.3	1193.7	1176.2
5°	1465.3	1456.9	1438.6	1376.8	1334.1	1287.5	1248.6	1204.4	1160.9	1131.2	1101.4
7.5°	1575.1	1564.4	1536.2	1441.6	1372.2	1305.1	1246.4	1182.3	1117.4	1073.2	1038.1
10°	1684.9	1662.8	1627.0	1503.4	1411.9	1334.1	1266.9	1188.4	1102.2	1041.9	1004.6
12.5°	1768.8	1748.3	1709.3	1559.8	1451.5	1353.9	1278.4	1205.9	1132.7	1068.6	1030.5
15°	1847.4	1820.7	1776.5	1612.5	1484.3	1353.1	1255.5	1192.2	1181.5	1165.5	1115.9
17.5°	1903.9	1879.4	1833.7	1655.2	1502.6	1329.5	1192.2	1154.8	1202.9	1251.7	1204.4
20°	1953.4	1925.2	1878.7	1684.9	1506.5	1276.9	1115.2	1115.9	1191.4	1258.6	1247.1
22.5°	1995.4	1964.1	1922.9	1718.5	1504.9	1203.6	1048.0	1093.8	1169.3	1221.9	1223.5
25°	2047.3	2021.3	1987.0	1768.1	1504.9	1128.9	999.2	1067.1	1131.9	1176.2	1174.7
27.5°	2110.6	2093.0	2064.8	1843.6	1518.7	1066.3	971.8	1032.8	1083.9	1122.0	1121.3
30°	2181.5	2165.5	2144.1	1923.7	1542.3	1019.8	956.5	990.1	1027.4	1058.0	1058.0
32.5°	2254.0	2247.9	2225.0	1987.8	1524.0	1005.3	943.5	947.4	967.2	992.4	990.1
35°	2354.6	2348.5	2319.6	2037.3	1444.7	984.7	922.9	903.9	906.2	922.2	927.5
37.5°	2501.9	2492.7	2450.0	2095.3	1324.9	932.9	889.4	858.1	851.2	858.1	868.0
40°	2679.6	2665.9	2607.9	2173.9	1186.9	862.7	836.7	810.8	799.4	801.7	813.1
42.5°	2902.3	2873.3	2790.2	2257.0	1050.3	800.9	778.0	762.0	749.0	747.5	769.6
45°	3263.9	3184.5	3052.6	2331.0	935.1	768.1	725.4	713.9	703.3	709.4	735.3
47.5°	3895.4	3749.0	3491.9	2394.3	865.0	768.9	683.4	671.2	670.5	682.7	711.7
50°	4763.4	4552.2	4155.5	2437.0	828.4	778.0	658.3	638.4	652.9	665.1	692.6
52.5°	5594.9	5272.2	4800.1	2436.3	812.3	779.5	665.1	607.9	652.9	656.0	681.9
55°	6305.0	5720.7	4974.0	2186.1	789.5	773.4	691.8	584.3	644.5	656.0	676.6
57.5°	6869.4	6006.0	4961.0	1765.8	858.9	739.9	707.8	578.9	620.1	657.5	681.1
60°	6806.9	5875.6	4641.4	1083.9	852.0	680.4	705.6	588.9	578.9	636.9	675.8
62.5°	6391.2	5408.0	4091.5	752.1	800.1	646.1	668.2	606.4	540.8	607.2	649.9
65°	5809.2	4804.6	3409.5	576.6	662.8	647.6	604.9	594.2	507.2	559.9	605.6
67.5°	5039.6	4056.4	2691.8	456.9	462.2	560.6	549.2	527.8	476.0	517.9	559.1
70°	3788.6	2960.3	1852.0	367.7	350.1	468.3	493.5	474.4	445.5	457.7	501.1
72.5°	2669.7	1932.8	1014.5	291.4	270.0	360.0	428.7	425.6	393.6	402.7	445.5
75°	1983.9	1367.6	633.9	230.4	219.7	257.8	359.3	368.4	341.7	352.4	385.2
77.5°	1320.3	885.6	352.4	170.9	170.9	188.4	267.7	310.4	290.6	299.0	321.9
80°	728.4	450.8	176.2	112.1	115.2	129.7	195.3	223.5	224.3	244.8	250.9
82.5°	230.4	143.4	78.6	65.6	61.8	74.0	125.9	160.2	149.5	190.7	175.4
85°	52.6	33.6	14.5	14.5	16.0	24.4	48.1	85.4	109.1	131.2	95.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	33.6	49.6	44.2
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3
2.5°	1165.5	1150.2	1145.7	1132.7	1131.2	1119.0	1114.4	1114.4	1119.7	1119.7	1125.1
5°	1089.2	1070.2	1059.5	1044.2	1040.4	1031.3	1025.2	1025.9	1032.8	1037.4	1046.5
7.5°	1022.1	1009.1	1001.5	994.6	993.1	991.6	984.7	984.0	986.3	993.1	1000.0
10°	993.9	984.7	987.0	992.4	1000.7	1005.3	999.2	996.2	993.9	998.5	1004.6
12.5°	1021.3	1012.2	1016.8	1025.9	1037.4	1041.9	1039.6	1038.9	1041.2	1058.7	1071.7
15°	1081.6	1064.1	1058.0	1061.8	1070.9	1075.5	1073.2	1076.3	1090.7	1136.5	1169.3
17.5°	1156.3	1113.6	1089.2	1082.4	1086.2	1090.0	1090.0	1097.6	1122.8	1189.9	1231.1
20°	1196.8	1141.1	1099.9	1083.1	1084.6	1088.5	1088.5	1099.1	1127.4	1199.1	1225.8
22.5°	1186.1	1135.0	1084.6	1066.3	1067.1	1070.2	1070.2	1079.3	1104.5	1167.8	1180.0
25°	1144.1	1099.1	1049.6	1033.5	1035.1	1040.4	1038.9	1044.2	1063.3	1115.2	1122.0
27.5°	1093.8	1054.1	1005.3	993.1	1000.0	1010.7	1001.5	1002.3	1019.8	1063.3	1064.1
30°	1039.6	1006.8	963.4	954.2	967.2	972.5	964.1	964.1	981.7	1011.4	1010.7
32.5°	980.9	960.3	929.0	919.1	933.6	942.0	931.3	932.9	946.6	966.4	958.8
35°	926.0	915.3	900.8	894.0	903.1	910.7	903.9	906.9	919.9	925.2	914.6
37.5°	873.4	871.8	873.4	873.4	875.7	877.9	873.4	881.0	892.4	885.6	873.4
40°	827.6	833.7	848.2	844.4	842.1	844.4	841.3	854.3	865.7	853.5	839.0
42.5°	789.5	800.9	823.0	823.0	818.4	820.0	818.4	834.5	842.9	826.1	810.1
45°	756.7	773.4	801.7	805.5	797.8	797.8	800.9	820.7	823.8	800.9	784.1
47.5°	733.8	754.4	786.4	793.3	781.8	781.1	789.5	810.8	810.8	784.1	765.1
50°	717.8	740.6	778.8	787.9	776.5	773.4	787.2	807.8	803.2	771.2	752.1
52.5°	707.1	730.7	778.0	791.0	783.4	780.3	794.0	808.5	797.1	762.8	742.9
55°	700.2	726.1	780.3	791.0	782.6	777.3	791.0	804.0	797.8	758.2	739.1
57.5°	704.0	730.0	777.3	782.6	772.7	763.5	779.5	797.8	795.6	759.7	740.6
60°	697.9	721.6	760.5	762.0	745.2	730.7	754.4	781.8	781.8	754.4	737.6
62.5°	669.7	693.4	727.7	729.2	710.1	694.1	721.6	754.4	753.6	731.5	713.9
65°	623.2	645.3	684.2	688.0	668.9	652.2	680.4	710.9	713.2	693.4	678.1
67.5°	572.1	591.9	620.9	636.1	620.1	602.6	628.5	657.5	656.7	633.1	617.1
70°	511.1	529.4	556.1	569.0	559.1	542.3	566.0	581.2	574.4	562.9	552.2
72.5°	450.8	468.3	493.5	493.5	482.8	466.8	473.7	501.1	509.5	501.1	494.3
75°	387.5	402.7	420.3	424.1	400.5	371.5	403.5	427.1	437.1	433.2	424.9
77.5°	322.6	334.1	360.0	353.2	308.9	293.7	319.6	354.7	361.5	359.3	347.8
80°	248.7	255.5	283.0	269.3	234.9	225.0	236.5	263.9	265.4	257.8	243.3
82.5°	167.0	176.2	194.5	167.8	167.0	157.9	148.7	151.8	165.5	164.0	154.1
85°	85.4	90.0	107.5	100.7	86.2	74.8	70.9	75.5	67.9	61.8	53.4
87.5°	35.8	38.9	53.4	29.7	9.2	0.0	0.0	4.6	6.9	9.9	10.7
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°	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3
2.5°	1137.3	1145.7	1166.3	1192.2	1217.4	1243.3	1271.5	1289.1	1310.4	1337.9	1338.6
5°	1058.0	1077.0	1106.8	1146.4	1187.6	1234.9	1289.8	1335.6	1390.5	1434.0	1451.5
7.5°	1009.1	1036.6	1074.0	1124.3	1178.5	1237.2	1308.9	1385.9	1475.9	1533.9	1568.2
10°	1013.7	1055.7	1093.0	1135.8	1184.6	1247.9	1340.2	1442.4	1553.0	1629.3	1672.0
12.5°	1095.3	1139.6	1132.7	1130.4	1163.2	1240.3	1365.3	1499.6	1634.6	1710.9	1762.0
15°	1198.3	1215.1	1150.2	1101.4	1121.3	1212.8	1379.1	1550.7	1702.5	1795.5	1845.9
17.5°	1250.9	1217.4	1138.8	1065.6	1060.2	1170.8	1385.9	1602.6	1778.8	1871.8	1925.2
20°	1226.5	1177.7	1111.3	1041.9	1003.8	1113.6	1382.1	1643.8	1848.2	1951.9	1995.4
22.5°	1173.9	1131.2	1079.3	1012.9	958.0	1051.1	1372.2	1684.9	1910.0	2014.5	2052.6
25°	1116.7	1084.6	1041.9	984.0	932.1	996.2	1365.3	1739.9	1980.9	2080.8	2105.2
27.5°	1059.5	1035.8	1000.7	955.7	926.0	958.0	1367.6	1811.6	2072.4	2167.0	2157.1
30°	1003.0	982.4	958.0	938.2	925.2	948.9	1361.5	1887.8	2173.1	2260.8	2202.1
32.5°	949.6	930.6	915.3	918.4	926.0	952.7	1330.3	1957.2	2265.4	2340.2	2250.9
35°	903.9	884.0	884.0	894.7	922.9	939.7	1249.4	2011.4	2367.6	2442.4	2320.3
37.5°	861.2	843.6	855.1	872.6	899.3	904.6	1145.7	2064.0	2516.4	2586.5	2427.9
40°	823.8	806.2	826.8	849.0	862.7	860.4	1040.4	2137.3	2691.8	2764.2	2570.5
42.5°	794.0	778.0	796.3	824.5	826.8	829.1	963.4	2207.4	2895.4	2987.7	2816.1
45°	769.6	758.2	767.3	795.6	795.6	830.6	915.3	2266.2	3202.1	3365.3	3266.9
47.5°	750.6	743.7	748.3	757.4	772.7	858.1	884.8	2311.2	3760.4	4080.8	3981.6
50°	739.9	733.0	739.1	720.0	765.8	871.8	874.9	2345.5	4496.5	4998.4	4875.6
52.5°	730.7	728.4	732.3	688.0	781.1	862.7	867.3	2299.7	4990.0	5901.5	6022.8
55°	727.7	729.2	710.9	664.4	799.4	832.2	844.4	1972.5	5124.2	6680.3	7433.1
57.5°	729.2	724.6	678.1	666.7	800.1	771.2	877.2	1407.3	4929.0	7018.9	8813.0
60°	723.9	701.0	638.4	687.2	765.1	699.5	853.5	917.6	4414.1	6758.8	8893.0
62.5°	700.2	666.7	604.1	698.7	702.5	656.7	775.0	707.1	3727.6	6202.0	8121.1
65°	665.9	620.9	575.1	675.0	639.2	636.9	582.8	566.7	2997.7	5539.2	7388.9
67.5°	609.4	564.4	553.8	620.9	575.1	564.4	468.3	469.9	2392.0	4832.9	6652.8
70°	545.4	500.4	508.8	561.4	511.8	469.1	379.1	391.3	1814.6	4026.6	5660.5
72.5°	503.4	443.2	443.9	494.3	450.0	379.9	312.0	322.6	1151.8	3035.0	4500.3
75°	424.9	390.5	373.8	400.5	382.1	296.0	262.4	260.1	682.7	2175.4	3369.9
77.5°	354.7	328.0	319.6	330.3	285.3	218.9	211.3	207.5	386.7	1393.6	2208.2
80°	257.1	250.2	249.4	254.8	219.7	160.9	160.9	161.7	208.2	756.7	1244.8
82.5°	163.2	178.5	157.9	175.4	149.5	114.4	106.8	121.3	119.8	322.6	524.8
85°	67.9	93.1	87.0	92.3	70.9	62.5	67.1	72.5	69.4	124.3	204.4
87.5°	13.0	15.3	16.8	16.0	16.0	19.8	22.1	26.7	26.7	35.8	61.8
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°	358°	360°
0°	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3	1243.3
2.5°	1367.6	1389.8	1385.2	1395.1	1382.1	1386.7	1360.8	1353.9	1349.3	1350.9
5°	1508.0	1553.0	1561.4	1578.2	1566.7	1566.7	1520.9	1486.6	1474.4	1465.3
7.5°	1650.6	1715.5	1758.2	1762.7	1756.6	1744.4	1678.1	1616.3	1594.2	1575.1
10°	1777.2	1855.0	1903.1	1926.0	1914.5	1895.5	1813.1	1728.4	1701.7	1684.9
12.5°	1874.1	1942.8	1974.8	1990.0	1988.5	1981.7	1914.5	1823.0	1794.8	1768.8
15°	1936.7	1971.0	1958.8	1958.0	1968.7	1996.1	1975.6	1903.9	1871.1	1847.4
17.5°	1977.1	1944.3	1890.1	1865.0	1887.8	1952.7	2000.0	1959.5	1929.8	1903.9
20°	1991.6	1874.9	1796.3	1749.8	1776.5	1870.3	1987.0	2000.0	1974.8	1953.4
22.5°	1974.8	1790.2	1683.4	1628.5	1654.4	1766.6	1948.9	2032.8	2016.0	1995.4
25°	1933.6	1701.7	1573.6	1524.0	1552.2	1666.6	1881.0	2063.3	2064.0	2047.3
27.5°	1882.5	1620.1	1496.5	1450.0	1477.5	1584.3	1814.6	2090.0	2116.7	2110.6
30°	1830.6	1571.3	1459.9	1427.1	1447.7	1542.3	1746.7	2117.4	2170.8	2181.5
32.5°	1807.0	1594.9	1546.1	1560.6	1533.9	1566.7	1722.3	2156.3	2236.4	2254.0
35°	1838.3	1804.7	1928.3	1985.5	1890.9	1766.6	1753.6	2215.1	2328.7	2354.6
37.5°	1990.0	2254.0	2438.5	2639.9	2475.9	2202.1	1908.4	2315.0	2460.7	2501.9
40°	2320.3	2646.0	2979.3	3239.4	2991.6	2623.1	2202.9	2463.7	2642.2	2679.6
42.5°	2631.5	3013.7	3472.9	3809.2	3487.3	2967.1	2520.2	2713.9	2881.7	2902.3
45°	2936.6	3374.5	4070.1	4537.7	4100.6	3294.4	2844.3	3136.5	3263.1	3263.9
47.5°	3294.4	3781.0	4819.1	5485.0	4914.5	3656.7	3148.7	3805.4	3981.6	3895.4
50°	3722.3	4185.3	5590.3	6587.2	5906.8	4102.1	3535.4	4620.8	4861.1	4763.4
52.5°	4295.1	4630.7	6440.0	7661.9	6988.4	4609.4	4096.0	5697.8	5777.2	5594.9
55°	5101.4	5273.7	7530.7	8989.1	8195.9	5234.1	4916.0	7049.4	6827.5	6305.0
57.5°	6937.3	6291.3	8931.2	10503.2	9562.0	6369.1	6713.1	8539.9	7750.4	6869.4
60°	8473.5	7526.9	10227.1	12005.9	10732.8	7620.0	8400.3	8799.2	7716.1	6806.9
62.5°	7955.6	7842.0	10694.7	12171.4	11132.5	8235.5	8086.8	8145.5	7212.7	6391.2
65°	6980.0	7234.0	10277.5	11386.5	10689.3	7684.1	7314.9	7541.4	6636.8	5809.2
67.5°	6404.1	6591.0	9535.3	10130.2	9883.9	7087.6	6714.6	6550.6	5742.8	5039.6
70°	5815.3	5970.1	8493.4	8553.6	8627.6	6096.0	5490.4	5002.2	4280.6	3788.6
72.5°	5025.1	5033.5	7176.1	6826.7	6967.1	4770.3	4419.4	3739.8	3115.9	2669.7
75°	4215.8	3985.4	5680.3	4771.8	5053.3	3710.8	3669.6	2818.4	2350.1	1983.9
77.5°	3214.3	2945.0	4149.4	3138.0	3549.1	2471.3	2758.9	1911.5	1653.7	1320.3
80°	2157.9	1990.0	2292.9	1771.1	2321.8	1703.2	1799.4	1083.1	939.0	728.4
82.5°	1138.0	971.8	1417.2	1050.3	1400.4	935.9	675.0	334.9	285.3	230.4
85°	440.9	510.3	694.9	373.8	543.1	334.1	195.3	83.1	69.4	52.6
87.5°	85.4	132.0	72.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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