

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: P634084

Luminaire Tested: GWS-SA3B-722-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5994.4 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

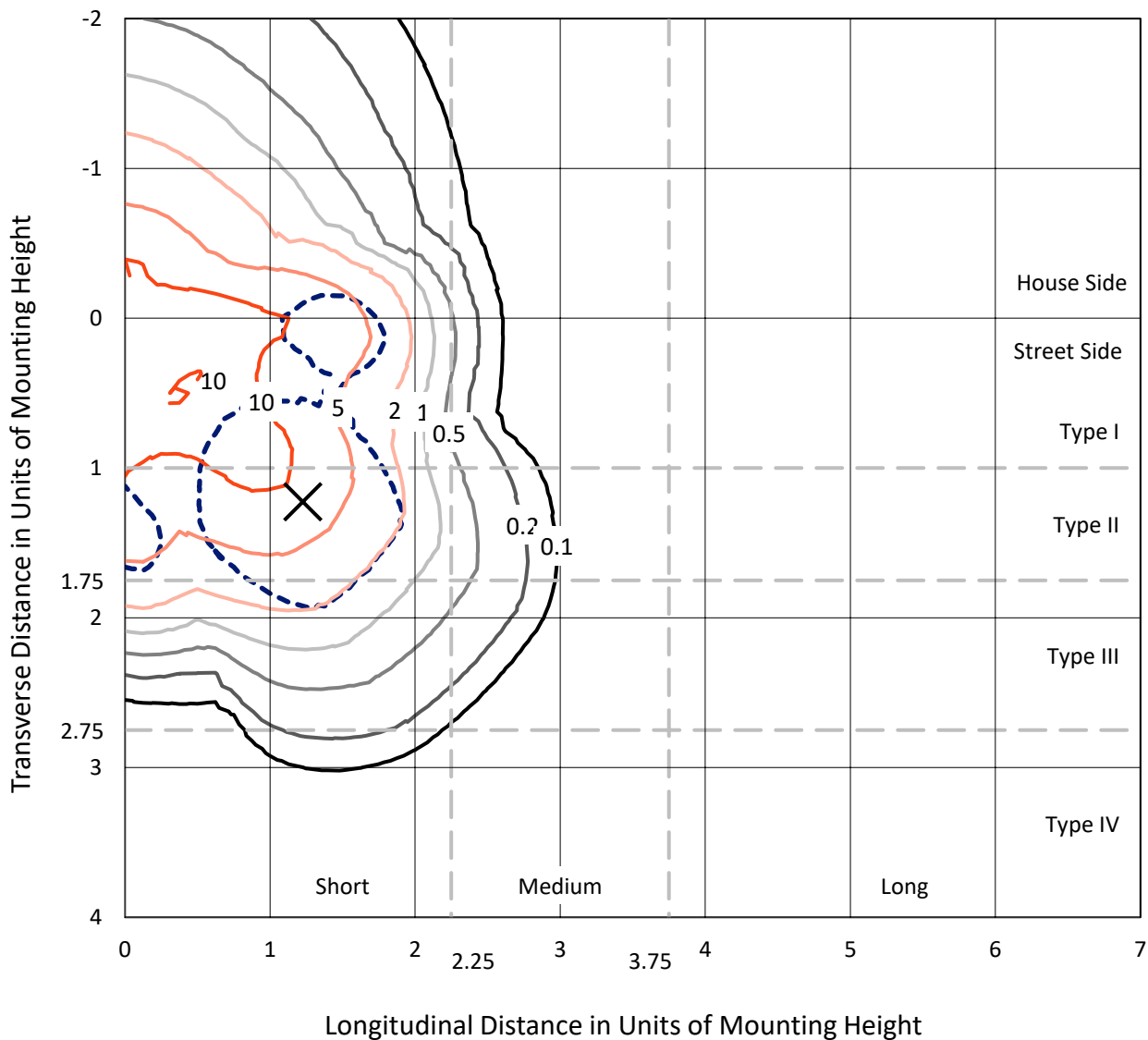
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

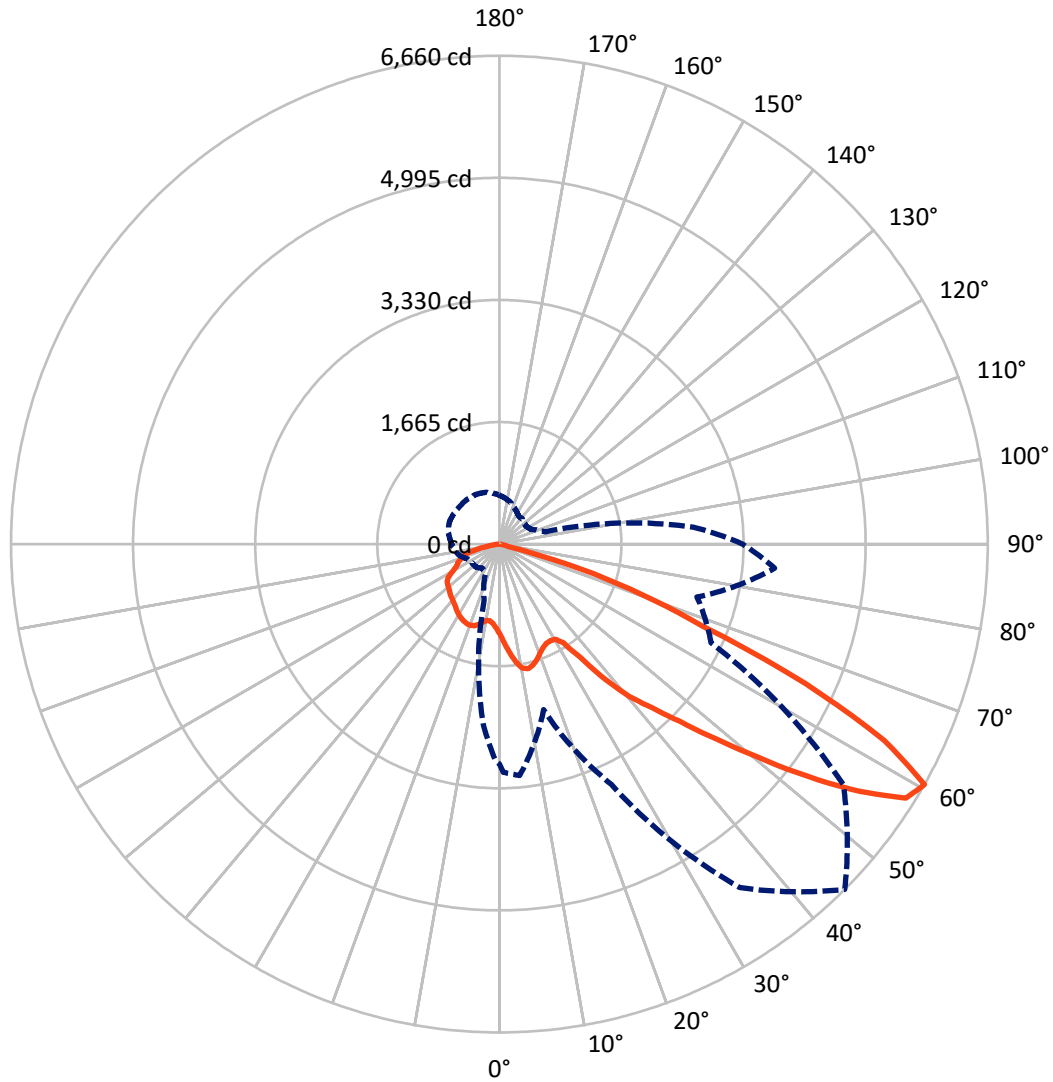
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2101.3	0.0	2101.3
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	3893.1	0.0	3893.1
	% Fixture	64.9	0.0	64.9
Total	Lumens	5994.4	0.0	5994.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	2.0
10°-20°	379.7	6.3
20°-30°	616.7	10.3
30°-40°	869.8	14.5
40°-50°	1202.0	20.1
50°-60°	1547.3	25.8
60°-70°	980.4	16.4
70°-80°	251.6	4.2
80°-90°	26.9	0.4
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°	5994.4	100.0
0°-180°	5994.4	100.0

Coefficient of Utilization



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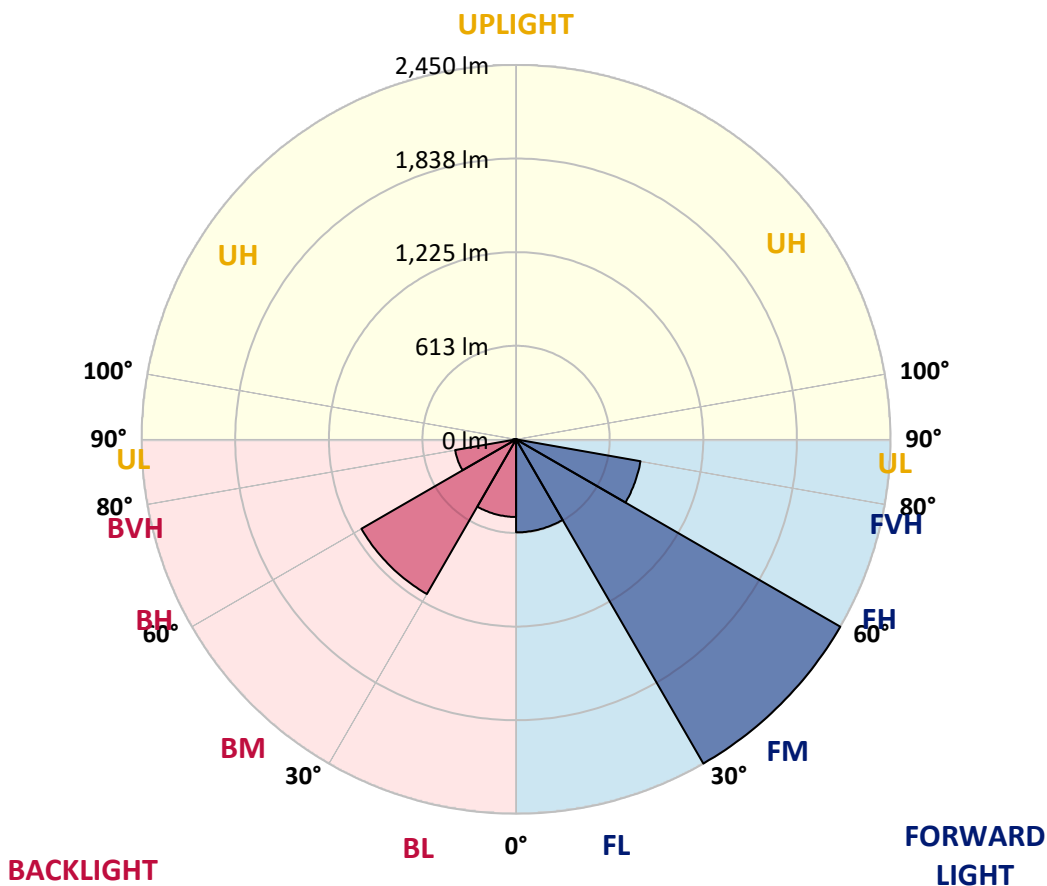
CATALOG NUMBER: GWS-SA3B-722-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	608.7	10.2			
FM (30°-60°)	2450.2	40.9			
FH (60°-80°)	827.0	13.8			G1/1800
FVH (80°-90°)	7.3	0.1			G0/10
BL (0°-30°)	507.9	8.5	B2/1000		
BM (30°-60°)	1168.9	19.5	B2/2500		
BH (60°-80°)	404.9	6.8	B1/500		G1/500
BVH (80°-90°)	19.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4
2.5°	1288.0	1296.8	1302.3	1312.7	1331.4	1341.8	1353.4	1340.7	1344.0	1342.4	1322.1
5°	1364.3	1374.8	1389.1	1419.8	1454.4	1473.6	1491.8	1489.0	1472.0	1443.4	1423.1
7.5°	1435.7	1447.8	1472.5	1522.5	1573.6	1603.3	1625.2	1611.0	1596.7	1551.6	1500.6
10°	1491.8	1498.9	1532.4	1599.4	1658.7	1692.2	1719.2	1715.9	1696.1	1645.6	1576.9
12.5°	1544.5	1549.4	1585.7	1652.7	1706.0	1720.8	1742.8	1749.9	1743.3	1705.4	1637.9
15°	1601.1	1610.4	1643.9	1695.0	1719.2	1703.8	1711.5	1731.2	1749.9	1749.9	1687.9
17.5°	1653.8	1662.0	1696.1	1718.1	1695.0	1654.4	1656.5	1681.8	1726.3	1773.0	1733.4
20°	1700.5	1708.2	1741.7	1720.8	1647.8	1588.4	1586.8	1617.6	1689.5	1787.8	1782.3
22.5°	1751.6	1762.6	1790.6	1723.0	1603.8	1528.6	1528.0	1559.9	1657.1	1802.6	1838.4
25°	1824.1	1841.1	1855.4	1742.2	1580.2	1489.6	1496.7	1526.9	1646.7	1826.8	1921.3
27.5°	1931.7	1945.5	1944.4	1782.3	1579.1	1473.6	1488.5	1523.6	1665.3	1869.7	2008.6
30°	2048.2	2055.3	2043.8	1838.4	1604.4	1483.5	1505.5	1547.2	1712.6	1940.5	2137.1
32.5°	2177.2	2186.0	2164.1	1922.4	1663.1	1556.6	1604.9	1625.2	1779.0	2042.7	2273.4
35°	2325.5	2342.6	2297.0	2033.3	1836.2	1823.0	1893.3	1866.9	1920.2	2163.5	2418.9
37.5°	2481.5	2482.1	2416.7	2197.6	2175.6	2198.1	2338.7	2256.3	2219.5	2298.1	2567.2
40°	2613.9	2610.6	2510.1	2418.9	2471.1	2560.6	2730.3	2604.0	2507.3	2478.8	2690.2
42.5°	2746.3	2734.2	2632.6	2559.5	2674.9	2858.9	3050.6	2895.7	2691.9	2643.0	2811.6
45°	2915.4	2911.6	2789.1	2615.5	2858.9	3192.8	3447.1	3196.1	2801.2	2738.6	3013.8
47.5°	3188.4	3169.7	2941.8	2611.1	3031.3	3637.7	3959.0	3574.5	2877.5	2740.8	3340.0
50°	3455.4	3432.3	3124.2	2610.6	3209.3	4099.1	4563.2	4034.3	2955.5	2754.0	3671.8
52.5°	3725.0	3725.0	3423.5	2672.7	3396.0	4614.3	5261.3	4607.1	3088.5	2926.4	4079.9
55°	3885.4	3928.3	3760.2	2777.6	3614.6	5220.7	5951.7	5225.6	3293.9	3237.8	4456.6
57.5°	3681.6	3761.8	3737.7	2704.5	3743.7	5666.1	6537.2	5694.7	3395.5	3274.6	4400.1
60°	3000.0	3111.5	3167.0	2335.4	3616.3	5717.7	6659.7	5725.4	3185.7	2788.6	3769.0
62.5°	1994.3	2086.1	2170.6	1668.6	3130.7	5143.8	5890.2	5145.4	2660.6	2081.1	2611.1
65°	978.2	1046.3	1137.5	986.5	2445.8	4297.9	4592.3	4157.8	1924.6	1165.0	1331.9
67.5°	256.0	275.2	287.8	382.8	1752.1	3087.9	2995.1	3041.2	1236.4	380.6	348.2
70°	132.9	134.0	133.5	158.2	1184.2	1962.5	2064.1	1909.8	862.9	159.3	137.3
72.5°	95.0	95.6	93.9	106.6	571.8	1124.3	1165.0	1152.3	452.0	94.5	93.9
75°	62.1	62.6	61.5	62.6	86.2	128.0	118.1	124.1	75.2	59.9	59.9
77.5°	36.8	37.3	36.8	37.9	36.8	36.8	34.1	34.1	32.4	32.4	33.0
80°	24.7	24.7	24.2	25.3	23.1	23.1	22.0	21.4	19.8	19.2	19.2
82.5°	14.8	15.4	14.8	14.8	13.7	13.7	12.6	12.1	10.4	10.4	9.9
85°	7.7	7.7	7.1	7.1	6.0	5.5	4.4	4.4	3.3	2.7	2.7
87.5°	1.1	1.1	0.5	0.5	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4
2.5°	1316.6	1305.6	1289.1	1273.2	1258.3	1243.0	1225.4	1207.3	1191.9	1176.0	1167.7
5°	1396.2	1373.7	1330.8	1292.9	1258.9	1230.9	1200.7	1174.9	1150.7	1130.9	1121.0
7.5°	1468.2	1433.0	1368.2	1308.3	1262.2	1223.7	1182.0	1143.5	1111.1	1087.0	1077.6
10°	1534.6	1492.9	1407.7	1331.9	1278.1	1235.3	1184.2	1132.0	1089.2	1057.3	1049.6
12.5°	1588.4	1540.7	1439.0	1351.2	1287.4	1241.3	1196.3	1151.2	1108.9	1067.7	1061.2
15°	1636.2	1579.7	1462.7	1363.2	1284.2	1225.4	1187.5	1182.0	1182.0	1135.3	1122.1
17.5°	1677.4	1615.4	1481.9	1368.7	1263.3	1178.1	1155.1	1202.9	1256.7	1223.2	1193.5
20°	1724.7	1649.4	1497.8	1368.7	1224.8	1118.3	1116.1	1197.4	1277.0	1277.6	1246.3
22.5°	1772.4	1689.0	1516.5	1363.8	1172.1	1049.1	1089.7	1175.4	1246.3	1276.5	1255.0
25°	1849.9	1743.9	1546.1	1360.0	1110.6	1001.8	1066.1	1146.3	1206.2	1238.0	1224.3
27.5°	1948.2	1816.4	1591.2	1366.0	1049.6	973.8	1040.8	1108.4	1162.8	1190.8	1180.9
30°	2058.1	1899.9	1639.5	1376.4	1005.7	959.5	1010.6	1065.0	1113.3	1141.3	1137.0
32.5°	2198.1	1990.5	1681.3	1362.1	981.0	952.4	978.8	1017.8	1064.5	1082.0	1085.9
35°	2365.6	2090.5	1713.1	1306.1	958.4	944.7	944.2	968.3	1001.3	1029.3	1032.0
37.5°	2520.0	2207.4	1748.3	1210.0	917.8	925.5	903.5	917.8	950.2	978.2	989.2
40°	2672.7	2326.1	1797.2	1087.5	864.5	882.6	856.8	866.7	892.5	929.3	946.9
42.5°	2821.0	2433.2	1848.8	962.3	811.2	822.8	803.6	813.4	840.4	886.5	906.3
45°	2982.4	2578.2	1888.9	844.2	765.1	760.2	744.8	759.1	799.7	850.2	873.9
47.5°	3287.8	2806.7	1915.2	765.7	740.4	704.7	687.1	717.9	764.0	815.1	843.7
50°	3660.8	3137.3	1907.6	715.7	719.0	647.6	641.5	682.2	731.6	784.9	816.2
52.5°	3956.3	3461.9	1820.2	667.9	677.2	611.3	593.7	653.1	700.3	754.7	787.1
55°	4182.0	3571.2	1552.2	611.3	609.1	585.0	548.2	622.9	669.0	719.5	754.7
57.5°	3998.0	3327.9	1150.7	533.3	520.1	532.8	497.1	571.8	630.5	680.5	711.8
60°	3318.0	2653.4	641.0	472.4	435.0	465.8	460.3	517.9	588.8	641.5	668.4
62.5°	2252.5	1766.9	380.1	373.5	352.6	396.6	425.7	463.6	533.3	576.2	601.4
65°	1122.7	858.5	252.7	279.6	282.3	326.3	381.2	422.9	481.1	525.1	550.4
67.5°	325.7	266.9	192.2	213.7	243.3	278.5	322.4	371.8	428.4	480.6	510.3
70°	140.6	142.3	152.7	178.0	207.1	243.3	287.3	335.6	383.4	423.5	446.0
72.5°	99.4	103.3	114.8	140.6	168.1	202.7	246.6	293.3	327.9	368.5	392.2
75°	63.7	66.5	75.8	95.6	115.9	149.4	191.1	234.0	269.7	298.8	321.3
77.5°	35.2	35.7	43.4	54.9	68.7	90.1	120.8	154.3	180.7	197.2	217.5
80°	20.3	20.3	24.2	31.3	39.5	52.7	69.8	86.2	102.2	112.6	122.5
82.5°	11.0	11.0	12.6	17.0	21.4	29.1	39.0	47.2	57.1	62.6	69.2
85°	3.3	3.3	4.4	6.0	7.7	11.0	15.4	19.8	24.2	28.0	31.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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°	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4
2.5°	1166.1	1158.4	1154.0	1148.5	1150.1	1145.2	1142.4	1144.1	1134.2	1144.1	1154.0
5°	1117.2	1106.2	1097.4	1090.3	1087.0	1080.4	1076.5	1076.5	1070.5	1080.4	1092.5
7.5°	1074.3	1065.6	1061.2	1056.8	1051.8	1045.8	1039.2	1037.0	1033.1	1043.6	1054.0
10°	1045.8	1046.9	1049.6	1055.7	1054.6	1050.7	1040.8	1035.3	1035.3	1047.4	1063.4
12.5°	1059.0	1070.5	1077.1	1088.1	1090.3	1087.0	1077.1	1072.7	1083.7	1101.8	1128.2
15°	1110.0	1117.7	1123.2	1132.0	1131.5	1128.7	1121.0	1124.3	1160.6	1195.7	1219.3
17.5°	1165.5	1156.7	1155.6	1161.1	1162.8	1159.5	1155.1	1169.9	1229.8	1262.7	1274.8
20°	1205.6	1175.4	1168.8	1171.0	1175.4	1173.8	1173.8	1197.9	1260.0	1275.4	1260.0
22.5°	1217.7	1174.9	1165.0	1165.5	1171.6	1172.1	1174.9	1200.1	1236.4	1236.9	1213.3
25°	1198.5	1157.3	1150.1	1151.2	1158.4	1157.8	1158.9	1173.2	1189.1	1182.5	1165.0
27.5°	1162.2	1126.5	1124.3	1130.4	1139.7	1134.8	1131.5	1135.3	1143.0	1134.8	1119.4
30°	1121.0	1090.8	1091.9	1103.4	1113.3	1105.1	1096.9	1099.1	1099.6	1090.8	1073.2
32.5°	1077.6	1055.1	1059.0	1071.0	1082.6	1073.8	1065.0	1063.9	1053.5	1043.0	1026.0
35°	1034.2	1025.5	1030.4	1040.3	1050.2	1043.0	1037.5	1034.2	1011.7	996.3	982.1
37.5°	994.7	1001.3	1010.1	1016.1	1019.4	1018.9	1015.6	1007.9	978.2	960.1	941.4
40°	959.5	979.9	989.2	992.0	996.9	995.8	995.2	984.3	945.3	926.0	904.6
42.5°	927.7	956.2	972.2	974.9	977.7	978.2	976.6	960.6	916.2	893.6	873.3
45°	896.9	934.3	954.6	951.9	955.7	955.7	957.3	936.5	887.6	864.5	843.1
47.5°	870.0	914.0	932.6	929.3	931.5	933.2	934.8	910.7	856.3	834.3	812.3
50°	845.3	892.0	907.9	909.0	909.0	912.9	912.3	888.7	829.9	806.3	784.3
52.5°	818.9	869.5	886.5	893.6	895.8	897.5	889.8	862.3	803.0	774.4	754.1
55°	788.2	846.4	861.8	871.1	875.5	874.4	864.0	836.0	775.5	747.0	723.9
57.5°	741.5	797.0	818.9	823.3	830.5	826.1	814.0	790.4	731.6	703.0	679.4
60°	690.4	730.5	748.1	751.9	746.4	748.1	746.4	723.9	672.8	650.3	626.1
62.5°	623.4	659.1	677.8	682.7	673.4	679.4	677.2	649.2	598.1	574.5	553.1
65°	572.9	611.9	633.8	636.6	633.8	636.6	628.9	594.8	546.5	522.3	500.4
67.5°	533.3	573.4	596.5	604.2	601.4	600.9	588.8	549.3	499.3	472.9	444.9
70°	465.2	500.4	530.0	548.7	548.7	538.3	515.2	478.4	438.3	415.8	393.8
72.5°	411.9	456.4	485.5	504.8	508.6	502.6	470.2	431.2	385.0	362.5	339.4
75°	339.4	382.8	414.1	439.4	444.3	437.8	400.4	362.0	319.1	297.1	274.1
77.5°	226.8	252.7	277.9	301.0	296.0	300.4	275.2	246.1	219.7	203.2	192.8
80°	128.0	145.0	152.7	165.3	165.3	165.3	148.8	135.1	120.3	110.9	100.5
82.5°	72.5	83.5	86.8	97.2	100.0	100.5	89.5	80.7	71.4	66.5	59.3
85°	33.5	39.5	40.1	46.1	48.3	52.7	47.8	41.7	36.3	34.1	29.7
87.5°	1.1	3.3	4.4	8.2	11.0	12.6	13.7	13.7	11.5	10.4	8.8
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°	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4	1231.4
2.5°	1166.1	1179.2	1194.6	1205.6	1225.4	1241.9	1258.9	1277.6	1291.3	1288.0
5°	1107.3	1129.3	1157.3	1183.1	1219.9	1257.2	1298.4	1340.7	1365.4	1364.3
7.5°	1074.3	1105.6	1139.7	1174.3	1217.7	1271.5	1334.7	1400.6	1434.1	1435.7
10°	1091.9	1125.4	1148.5	1177.6	1223.2	1290.7	1366.5	1445.6	1484.1	1491.8
12.5°	1147.4	1144.6	1143.0	1163.9	1218.8	1304.5	1397.3	1491.8	1535.2	1544.5
15°	1200.1	1143.5	1109.5	1123.8	1199.0	1313.3	1427.5	1542.3	1591.2	1601.1
17.5°	1210.0	1124.3	1061.2	1071.0	1167.7	1316.0	1456.6	1591.7	1644.5	1653.8
20°	1182.5	1099.6	1026.0	1012.3	1128.2	1308.9	1474.7	1632.9	1690.6	1700.5
22.5°	1147.9	1077.6	999.6	963.9	1079.8	1301.7	1495.1	1676.3	1742.8	1751.6
25°	1111.7	1049.6	974.9	920.5	1024.9	1297.3	1529.1	1733.4	1813.6	1824.1
27.5°	1073.2	1015.6	953.5	899.7	974.4	1302.8	1577.5	1825.7	1916.9	1931.7
30°	1032.0	981.5	939.8	892.5	939.8	1307.8	1630.7	1920.2	2027.3	2048.2
32.5°	989.2	950.2	925.5	895.8	918.4	1296.2	1677.4	2026.2	2159.1	2177.2
35°	946.4	918.4	907.4	901.9	889.8	1253.9	1715.3	2133.3	2309.6	2325.5
37.5°	906.3	885.4	882.1	888.1	845.8	1184.7	1759.3	2269.5	2457.4	2481.5
40°	868.9	849.7	849.1	848.0	797.5	1090.3	1818.6	2407.9	2602.9	2613.9
42.5°	834.3	810.1	814.5	801.4	758.0	988.1	1874.6	2526.0	2738.6	2746.3
45°	803.6	771.7	776.6	760.2	739.3	881.0	1924.0	2665.5	2910.5	2915.4
47.5°	773.9	739.8	726.1	725.0	736.0	782.1	1972.4	2934.1	3179.6	3188.4
50°	746.4	709.6	670.6	694.8	715.7	708.0	2032.8	3221.9	3457.5	3455.4
52.5°	720.1	671.7	616.3	662.9	662.9	653.1	2015.8	3396.6	3687.1	3725.0
55°	689.9	610.8	559.7	609.7	585.5	603.6	1714.2	3453.7	3831.6	3885.4
57.5°	630.0	535.5	491.0	517.9	481.7	559.7	1231.4	3170.3	3586.1	3681.6
60°	572.3	480.0	450.9	446.0	398.8	456.4	798.1	2482.1	2951.7	3000.0
62.5°	504.8	432.3	407.5	369.6	320.8	332.3	483.3	1633.5	1983.4	1994.3
65°	453.7	391.6	344.4	299.3	262.5	241.1	285.6	787.6	991.4	978.2
67.5°	389.4	335.6	290.6	258.1	227.9	201.0	190.0	234.0	264.7	256.0
70°	346.6	294.9	251.6	220.8	192.8	165.9	146.7	137.9	135.1	132.9
72.5°	298.8	253.8	208.7	179.1	152.7	128.0	110.4	100.0	97.2	95.0
75°	238.4	196.1	154.9	126.9	103.8	86.2	74.7	65.9	64.3	62.1
77.5°	157.6	125.8	92.3	75.2	61.5	52.2	44.5	39.0	37.9	36.8
80°	86.8	72.5	56.6	45.6	36.8	31.9	29.1	25.8	25.3	24.7
82.5°	51.6	43.4	32.4	25.8	21.4	19.2	17.6	15.9	15.4	14.8
85°	25.8	20.3	14.3	12.1	11.0	9.9	9.9	8.2	7.7	7.7
87.5°	6.6	5.5	3.3	2.7	2.7	2.7	2.2	1.6	1.6	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)