

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: P630894

Luminaire Tested: GWS-SA1E-750-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630894
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-SA1E-750-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6064.5 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

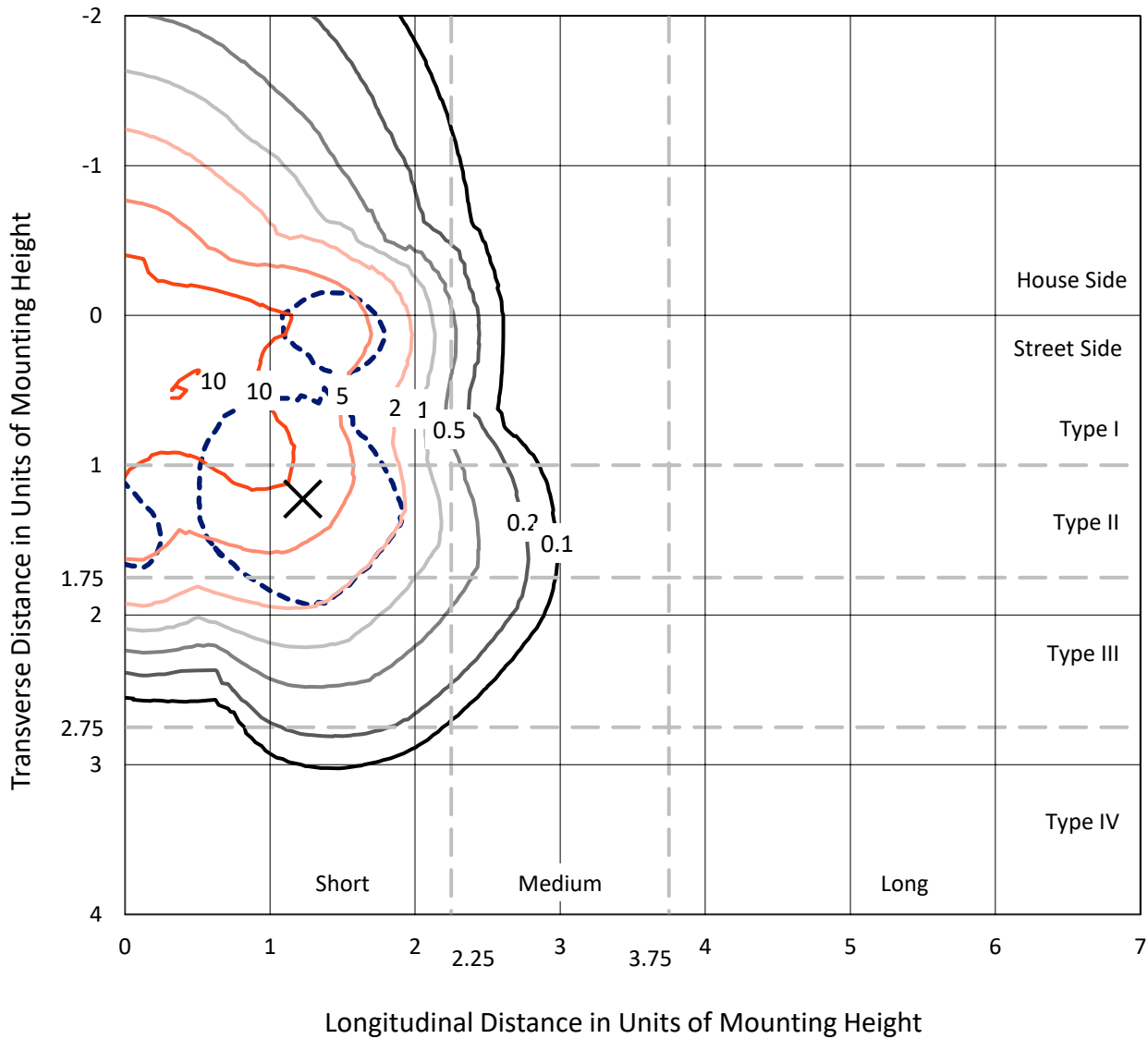
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

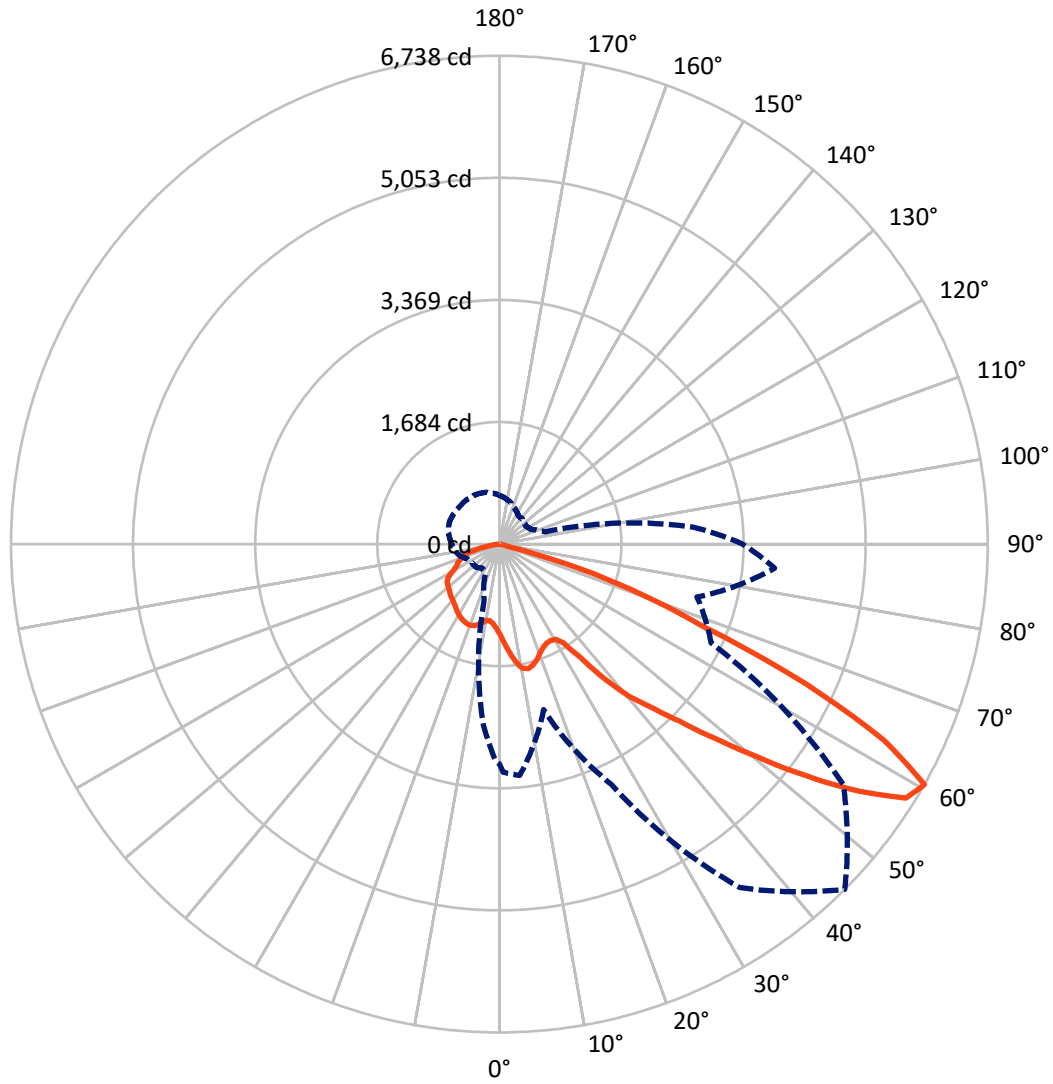
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.6 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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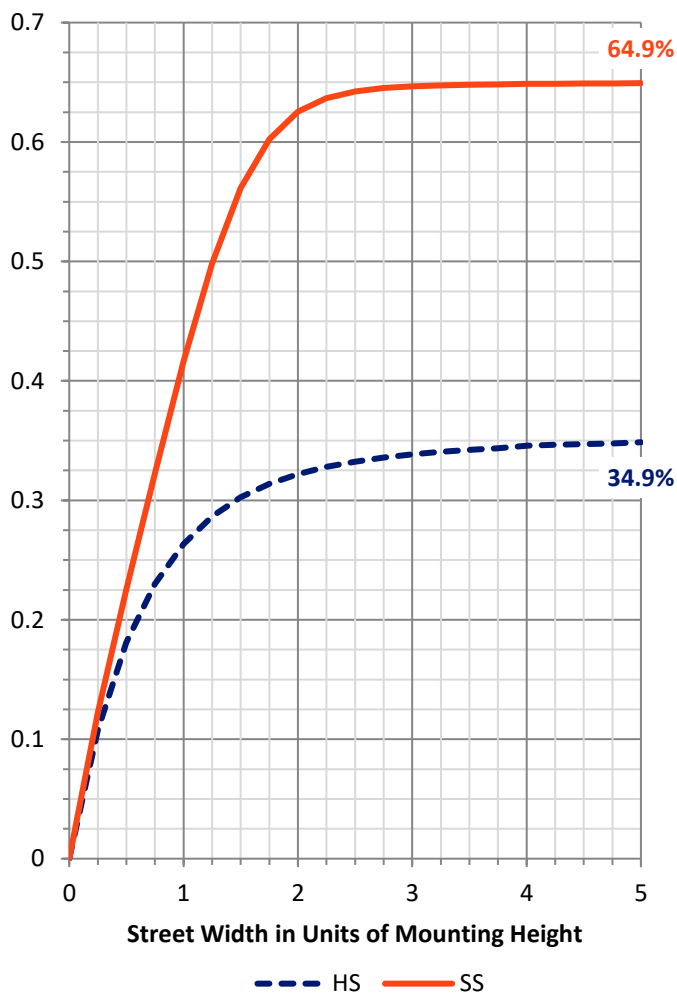
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2125.8	0.0	2125.8
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	3938.7	0.0	3938.7
	% Fixture	64.9	0.0	64.9
Total	Lumens	6064.5	0.0	6064.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.5	2.0
10°-20°	384.1	6.3
20°-30°	623.9	10.3
30°-40°	879.9	14.5
40°-50°	1216.0	20.1
50°-60°	1565.4	25.8
60°-70°	991.8	16.4
70°-80°	254.5	4.2
80°-90°	27.2	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°	6064.5	100.0
0°-180°	6064.5	100.0

Coefficient of Utilization



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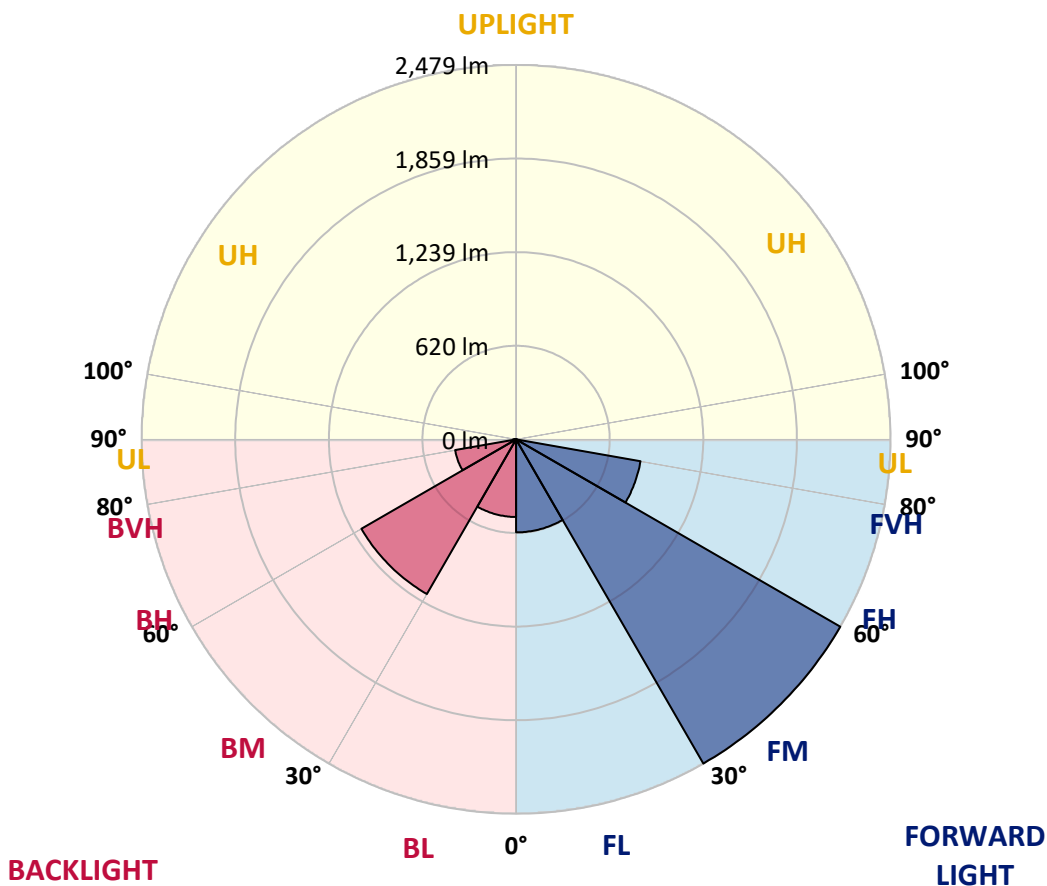
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	615.8	10.2			
FM (30°-60°)	2478.8	40.9			
FH (60°-80°)	836.7	13.8			G1/1800
FVH (80°-90°)	7.4	0.1			G0/10
BL (0°-30°)	513.8	8.5	B2/1000		
BM (30°-60°)	1182.5	19.5	B2/2500		
BH (60°-80°)	409.7	6.8	B1/500		G1/500
BVH (80°-90°)	19.8	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°	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8
2.5°	1303.1	1312.0	1317.5	1328.1	1347.0	1357.5	1369.2	1356.4	1359.7	1358.1	1337.5
5°	1380.3	1390.9	1405.3	1436.4	1471.4	1490.9	1509.2	1506.4	1489.2	1460.3	1439.8
7.5°	1452.5	1464.8	1489.8	1540.3	1592.0	1622.0	1644.2	1629.8	1615.4	1569.8	1518.1
10°	1509.2	1516.4	1550.3	1618.1	1678.1	1712.0	1739.3	1735.9	1715.9	1664.8	1595.3
12.5°	1562.6	1567.6	1604.2	1672.0	1725.9	1740.9	1763.2	1770.4	1763.7	1725.4	1657.0
15°	1619.8	1629.2	1663.1	1714.8	1739.3	1723.7	1731.5	1751.5	1770.4	1770.4	1707.6
17.5°	1673.1	1681.5	1715.9	1738.2	1714.8	1673.7	1675.9	1701.5	1746.5	1793.7	1753.7
20°	1720.4	1728.2	1762.0	1740.9	1667.0	1607.0	1605.3	1636.5	1709.3	1808.7	1803.2
22.5°	1772.1	1783.2	1811.5	1743.2	1622.6	1546.4	1545.9	1578.1	1676.5	1823.7	1859.8
25°	1845.4	1862.6	1877.1	1762.6	1598.7	1507.0	1514.2	1544.8	1665.9	1848.2	1943.8
27.5°	1954.3	1968.2	1967.1	1803.2	1597.6	1490.9	1505.9	1541.4	1684.8	1891.5	2032.1
30°	2072.1	2079.3	2067.7	1859.8	1623.1	1500.9	1523.1	1565.3	1732.6	1963.2	2162.1
32.5°	2202.7	2211.6	2189.4	1944.9	1682.6	1574.8	1623.7	1644.2	1799.8	2066.6	2299.9
35°	2352.7	2370.0	2323.8	2057.1	1857.6	1844.3	1915.4	1888.7	1942.6	2188.8	2447.2
37.5°	2510.5	2511.1	2445.0	2223.3	2201.0	2223.8	2366.1	2282.7	2245.5	2324.9	2597.2
40°	2644.5	2641.1	2539.4	2447.2	2500.0	2590.6	2762.3	2634.5	2536.7	2507.8	2721.7
42.5°	2778.4	2766.2	2663.4	2589.5	2706.1	2892.3	3086.2	2929.5	2723.4	2673.9	2844.5
45°	2949.5	2945.6	2821.7	2646.1	2892.3	3230.1	3487.4	3233.5	2833.9	2770.6	3049.0
47.5°	3225.7	3206.8	2976.2	2641.7	3066.8	3680.2	4005.3	3616.3	2911.2	2772.8	3379.1
50°	3495.8	3472.4	3160.7	2641.1	3246.8	4147.0	4616.6	4081.4	2990.1	2786.2	3714.7
52.5°	3768.6	3768.6	3463.5	2703.9	3435.7	4668.2	5322.8	4661.0	3124.6	2960.6	4127.6
55°	3930.9	3974.2	3804.2	2810.1	3656.9	5281.7	6021.3	5286.7	3332.4	3275.7	4508.8
57.5°	3724.7	3805.8	3781.4	2736.1	3787.5	5732.4	6613.7	5761.3	3435.2	3312.9	4451.5
60°	3035.1	3147.9	3204.0	2362.7	3658.6	5784.6	6737.6	5792.4	3222.9	2821.2	3813.1
62.5°	2017.7	2110.5	2196.0	1688.1	3167.4	5203.9	5959.1	5205.6	2691.7	2105.5	2641.7
65°	989.7	1058.6	1150.8	998.0	2474.4	4348.2	4646.0	4206.5	1947.1	1178.6	1347.5
67.5°	258.9	278.4	291.2	387.3	1772.6	3124.0	3030.1	3076.8	1250.8	385.1	352.3
70°	134.5	135.6	135.0	160.0	1198.0	1985.4	2088.2	1932.1	873.0	161.1	138.9
72.5°	96.1	96.7	95.0	107.8	578.5	1137.5	1178.6	1165.8	457.3	95.6	95.0
75°	62.8	63.3	62.2	63.3	87.2	129.5	119.5	125.6	76.1	60.6	60.6
77.5°	37.2	37.8	37.2	38.3	37.2	37.2	34.5	34.5	32.8	32.8	33.3
80°	25.0	25.0	24.4	25.6	23.3	23.3	22.2	21.7	20.0	19.4	19.4
82.5°	15.0	15.6	15.0	15.0	13.9	13.9	12.8	12.2	10.6	10.6	10.0
85°	7.8	7.8	7.2	7.2	6.1	5.6	4.4	4.4	3.3	2.8	2.8
87.5°	1.1	1.1	0.6	0.6	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°	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8
2.5°	1332.0	1320.8	1304.2	1288.1	1273.1	1257.5	1239.7	1221.4	1205.8	1189.7	1181.4
5°	1412.5	1389.7	1346.4	1308.1	1273.6	1245.3	1214.7	1188.6	1164.1	1144.1	1134.1
7.5°	1485.3	1449.8	1384.2	1323.6	1276.9	1238.0	1195.8	1156.9	1124.1	1099.7	1090.2
10°	1552.6	1510.3	1424.2	1347.5	1293.1	1249.7	1198.0	1145.2	1101.9	1069.7	1061.9
12.5°	1607.0	1558.7	1455.9	1367.0	1302.5	1255.8	1210.3	1164.7	1121.9	1080.2	1073.6
15°	1655.4	1598.1	1479.8	1379.2	1299.2	1239.7	1201.4	1195.8	1195.8	1148.6	1135.2
17.5°	1697.0	1634.2	1499.2	1384.7	1278.1	1191.9	1168.6	1216.9	1271.4	1237.5	1207.5
20°	1744.8	1668.7	1515.3	1384.7	1239.2	1131.4	1129.1	1211.4	1291.9	1292.5	1260.8
22.5°	1793.2	1708.7	1534.2	1379.7	1185.8	1061.3	1102.5	1189.1	1260.8	1291.4	1269.7
25°	1871.5	1764.3	1564.2	1375.9	1123.6	1013.6	1078.6	1159.7	1220.3	1252.5	1238.6
27.5°	1971.0	1837.6	1609.8	1382.0	1061.9	985.2	1053.0	1121.4	1176.4	1204.7	1194.7
30°	2082.1	1922.1	1658.7	1392.5	1017.4	970.8	1022.4	1077.5	1126.4	1154.7	1150.2
32.5°	2223.8	2013.8	1700.9	1378.1	992.4	963.5	990.2	1029.7	1076.9	1094.7	1098.6
35°	2393.3	2114.9	1733.2	1321.4	969.7	955.8	955.2	979.7	1013.0	1041.3	1044.1
37.5°	2549.4	2233.3	1768.7	1224.2	928.5	936.3	914.1	928.5	961.3	989.7	1000.8
40°	2703.9	2353.3	1818.2	1100.2	874.6	893.0	866.9	876.9	903.0	940.2	958.0
42.5°	2854.0	2461.6	1870.4	973.5	820.7	832.4	813.0	823.0	850.2	896.9	916.9
45°	3017.3	2608.3	1911.0	854.1	774.1	769.1	753.5	767.9	809.1	860.2	884.1
47.5°	3326.3	2839.5	1937.6	774.6	749.1	712.9	695.2	726.3	772.9	824.6	853.5
50°	3703.6	3174.0	1929.9	724.0	727.4	655.1	649.0	690.1	740.2	794.1	825.7
52.5°	4002.5	3502.4	1841.5	675.7	685.1	618.5	600.7	660.7	708.5	763.5	796.3
55°	4230.9	3613.0	1570.3	618.5	616.2	591.8	554.6	630.1	676.8	727.9	763.5
57.5°	4044.8	3366.8	1164.1	539.6	526.2	539.0	502.9	578.5	637.9	688.5	720.2
60°	3356.8	2684.5	648.5	477.9	440.1	471.2	465.7	524.0	595.7	649.0	676.3
62.5°	2278.8	1787.6	384.5	377.9	356.7	401.2	430.6	469.0	539.6	582.9	608.5
65°	1135.8	868.5	255.6	282.8	285.6	330.1	385.6	427.9	486.8	531.2	556.8
67.5°	329.5	270.1	194.5	216.2	246.2	281.7	326.2	376.2	433.4	486.2	516.2
70°	142.3	143.9	154.5	180.0	209.5	246.2	290.6	339.5	387.9	428.4	451.2
72.5°	100.6	104.5	116.1	142.3	170.0	205.0	249.5	296.7	331.7	372.9	396.8
75°	64.5	67.2	76.7	96.7	117.2	151.1	193.4	236.7	272.8	302.3	325.1
77.5°	35.6	36.1	43.9	55.6	69.5	91.1	122.2	156.1	182.8	199.5	220.0
80°	20.6	20.6	24.4	31.7	40.0	53.3	70.6	87.2	103.4	113.9	123.9
82.5°	11.1	11.1	12.8	17.2	21.7	29.5	39.5	47.8	57.8	63.3	70.0
85°	3.3	3.3	4.4	6.1	7.8	11.1	15.6	20.0	24.4	28.3	32.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
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°	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8
2.5°	1179.7	1171.9	1167.5	1161.9	1163.6	1158.6	1155.8	1157.5	1147.5	1157.5	1167.5
5°	1130.2	1119.1	1110.2	1103.0	1099.7	1093.0	1089.1	1089.1	1083.0	1093.0	1105.2
7.5°	1086.9	1078.0	1073.6	1069.1	1064.1	1058.0	1051.3	1049.1	1045.2	1055.8	1066.3
10°	1058.0	1059.1	1061.9	1068.0	1066.9	1063.0	1053.0	1047.4	1047.4	1059.7	1075.8
12.5°	1071.3	1083.0	1089.7	1100.8	1103.0	1099.7	1089.7	1085.2	1096.3	1114.7	1141.4
15°	1123.0	1130.8	1136.4	1145.2	1144.7	1141.9	1134.1	1137.5	1174.1	1209.7	1233.6
17.5°	1179.1	1170.3	1169.1	1174.7	1176.4	1173.0	1168.6	1183.6	1244.2	1277.5	1289.7
20°	1219.7	1189.1	1182.5	1184.7	1189.1	1187.5	1187.5	1211.9	1274.7	1290.3	1274.7
22.5°	1231.9	1188.6	1178.6	1179.1	1185.3	1185.8	1188.6	1214.2	1250.8	1251.4	1227.5
25°	1212.5	1170.8	1163.6	1164.7	1171.9	1171.4	1172.5	1186.9	1203.0	1196.4	1178.6
27.5°	1175.8	1139.7	1137.5	1143.6	1153.0	1148.0	1144.7	1148.6	1156.4	1148.0	1132.5
30°	1134.1	1103.6	1104.7	1116.4	1126.4	1118.0	1109.7	1111.9	1112.5	1103.6	1085.8
32.5°	1090.2	1067.5	1071.3	1083.6	1095.2	1086.3	1077.5	1076.3	1065.8	1055.2	1038.0
35°	1046.3	1037.4	1042.4	1052.5	1062.5	1055.2	1049.7	1046.3	1023.6	1008.0	993.5
37.5°	1006.3	1013.0	1021.9	1028.0	1031.3	1030.8	1027.4	1019.7	989.7	971.3	952.4
40°	970.8	991.3	1000.8	1003.6	1008.6	1007.4	1006.9	995.8	956.3	936.9	915.2
42.5°	938.5	967.4	983.5	986.3	989.1	989.7	988.0	971.9	926.9	904.1	883.5
45°	907.4	945.2	965.8	963.0	966.9	966.9	968.5	947.4	898.0	874.6	853.0
47.5°	880.2	924.6	943.5	940.2	942.4	944.1	945.8	921.3	866.3	844.1	821.8
50°	855.2	902.4	918.5	919.6	919.6	923.5	923.0	899.1	839.6	815.7	793.5
52.5°	828.5	879.6	896.9	904.1	906.3	908.0	900.2	872.4	812.4	783.5	762.9
55°	797.4	856.3	871.9	881.3	885.7	884.6	874.1	845.7	784.6	755.7	732.4
57.5°	750.2	806.3	828.5	833.0	840.2	835.7	823.5	799.6	740.2	711.3	687.4
60°	698.5	739.0	756.8	760.7	755.2	756.8	755.2	732.4	680.7	657.9	633.5
62.5°	630.7	666.8	685.7	690.7	681.3	687.4	685.1	656.8	605.1	581.2	559.6
65°	579.6	619.0	641.3	644.0	641.3	644.0	636.2	601.8	552.9	528.4	506.2
67.5°	539.6	580.1	603.5	611.2	608.5	607.9	595.7	555.7	505.1	478.4	450.1
70°	470.7	506.2	536.2	555.1	555.1	544.6	521.2	484.0	443.4	420.6	398.4
72.5°	416.8	461.8	491.2	510.7	514.6	508.4	475.7	436.2	389.5	366.7	343.4
75°	343.4	387.3	419.0	444.5	449.5	442.9	405.1	366.2	322.8	300.6	277.3
77.5°	229.5	255.6	281.2	304.5	299.5	304.0	278.4	248.9	222.3	205.6	195.0
80°	129.5	146.7	154.5	167.3	167.3	167.3	150.6	136.7	121.7	112.2	101.7
82.5°	73.3	84.5	87.8	98.4	101.1	101.7	90.6	81.7	72.2	67.2	60.0
85°	33.9	40.0	40.6	46.7	48.9	53.3	48.3	42.2	36.7	34.5	30.0
87.5°	1.1	3.3	4.4	8.3	11.1	12.8	13.9	13.9	11.7	10.6	8.9
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°	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8	1245.8
2.5°	1179.7	1193.0	1208.6	1219.7	1239.7	1256.4	1273.6	1292.5	1306.4	1303.1
5°	1120.2	1142.5	1170.8	1196.9	1234.2	1271.9	1313.6	1356.4	1381.4	1380.3
7.5°	1086.9	1118.6	1153.0	1188.0	1231.9	1286.4	1350.3	1417.0	1450.9	1452.5
10°	1104.7	1138.6	1161.9	1191.4	1237.5	1305.8	1382.5	1462.5	1501.4	1509.2
12.5°	1160.8	1158.0	1156.4	1177.5	1233.0	1319.7	1413.6	1509.2	1553.1	1562.6
15°	1214.2	1156.9	1122.5	1136.9	1213.0	1328.6	1444.2	1560.3	1609.8	1619.8
17.5°	1224.2	1137.5	1073.6	1083.6	1181.4	1331.4	1473.7	1610.3	1663.7	1673.1
20°	1196.4	1112.5	1038.0	1024.1	1141.4	1324.2	1492.0	1652.0	1710.4	1720.4
22.5°	1161.4	1090.2	1011.3	975.2	1092.5	1317.0	1512.6	1695.9	1763.2	1772.1
25°	1124.7	1061.9	986.3	931.3	1036.9	1312.5	1547.0	1753.7	1834.8	1845.4
27.5°	1085.8	1027.4	964.7	910.2	985.8	1318.1	1595.9	1847.1	1939.3	1954.3
30°	1044.1	993.0	950.8	903.0	950.8	1323.1	1649.8	1942.6	2051.0	2072.1
32.5°	1000.8	961.3	936.3	906.3	929.1	1311.4	1697.0	2049.9	2184.4	2202.7
35°	957.4	929.1	918.0	912.4	900.2	1268.6	1735.4	2158.2	2336.6	2352.7
37.5°	916.9	895.8	892.4	898.5	855.7	1198.6	1779.8	2296.1	2486.1	2510.5
40°	879.1	859.6	859.1	858.0	806.8	1103.0	1839.8	2436.1	2633.3	2644.5
42.5°	844.1	819.6	824.1	810.7	766.8	999.7	1896.5	2555.6	2770.6	2778.4
45°	813.0	780.7	785.7	769.1	747.9	891.3	1946.5	2696.7	2944.5	2949.5
47.5°	782.9	748.5	734.6	733.5	744.6	791.3	1995.4	2968.4	3216.8	3225.7
50°	755.2	717.9	678.5	702.9	724.0	716.3	2056.6	3259.6	3498.0	3495.8
52.5°	728.5	679.6	623.5	670.7	670.7	660.7	2039.3	3436.3	3730.3	3768.6
55°	697.9	617.9	566.2	616.8	592.4	610.7	1734.3	3494.1	3876.4	3930.9
57.5°	637.4	541.8	496.8	524.0	487.3	566.2	1245.8	3207.4	3628.0	3724.7
60°	579.0	485.7	456.2	451.2	403.4	461.8	807.4	2511.1	2986.2	3035.1
62.5°	510.7	437.3	412.3	374.0	324.5	336.2	489.0	1652.6	2006.5	2017.7
65°	459.0	396.2	348.4	302.8	265.6	243.9	289.0	796.8	1003.0	989.7
67.5°	394.0	339.5	294.0	261.2	230.6	203.4	192.3	236.7	267.8	258.9
70°	350.6	298.4	254.5	223.4	195.0	167.8	148.4	139.5	136.7	134.5
72.5°	302.3	256.7	211.2	181.2	154.5	129.5	111.7	101.1	98.4	96.1
75°	241.2	198.4	156.7	128.4	105.0	87.2	75.6	66.7	65.0	62.8
77.5°	159.5	127.2	93.4	76.1	62.2	52.8	45.0	39.5	38.3	37.2
80°	87.8	73.3	57.2	46.1	37.2	32.2	29.5	26.1	25.6	25.0
82.5°	52.2	43.9	32.8	26.1	21.7	19.4	17.8	16.1	15.6	15.0
85°	26.1	20.6	14.4	12.2	11.1	10.0	10.0	8.3	7.8	7.8
87.5°	6.7	5.6	3.3	2.8	2.8	2.8	2.2	1.7	1.7	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)