

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: P641507

Luminaire Tested: GWS-SA6B-722-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641507
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-SA6B-722-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14616.8 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

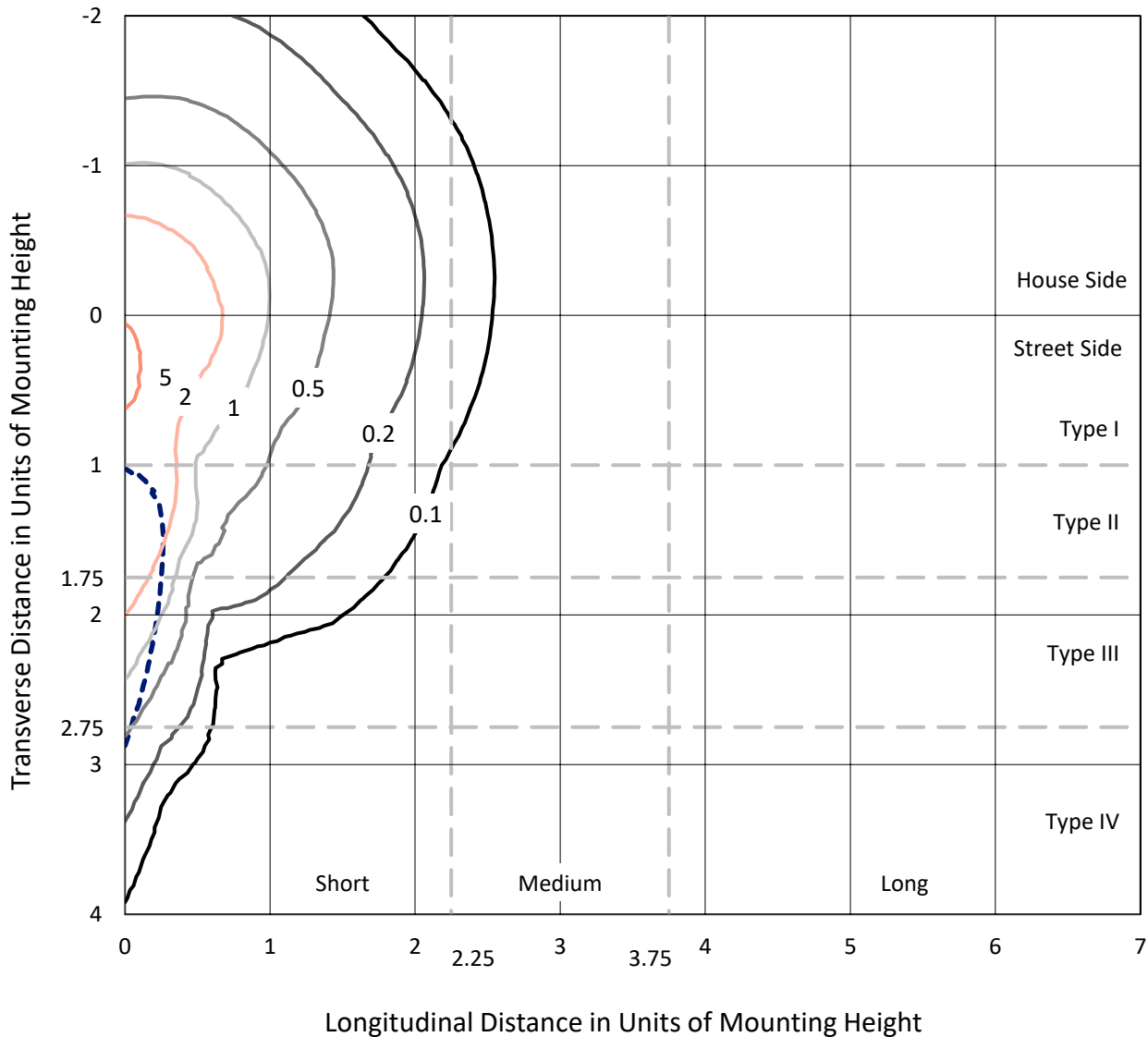
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

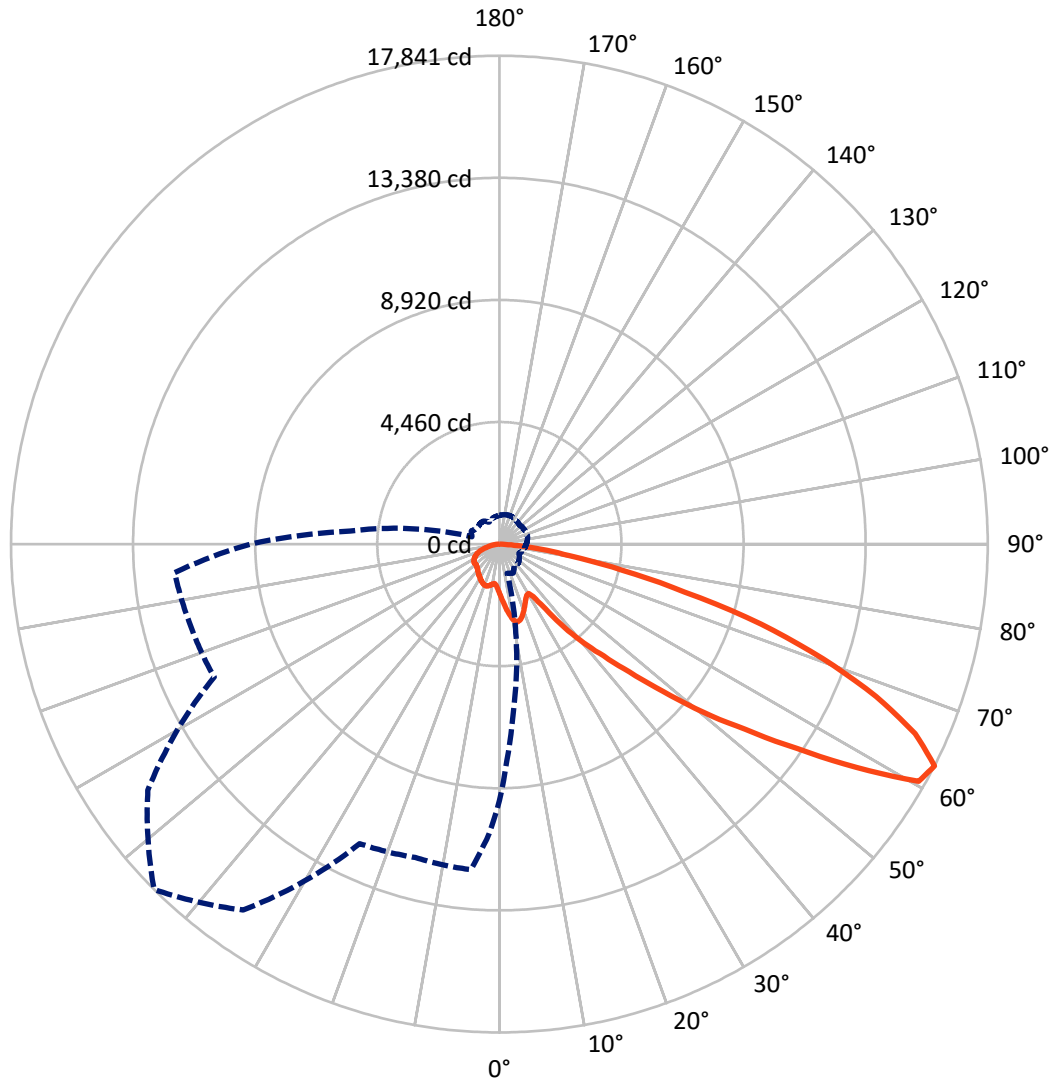
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 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	3494.9	0.0	3494.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	11121.9	0.0	11121.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	14616.8	0.0	14616.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.5	1.2
10°-20°	583.5	4.0
20°-30°	918.5	6.3
30°-40°	1259.0	8.6
40°-50°	1964.5	13.4
50°-60°	3387.2	23.2
60°-70°	3925.3	26.9
70°-80°	2072.0	14.2
80°-90°	327.3	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°	14616.8	100.0
0°-180°	14616.8	100.0

Coefficient of Utilization



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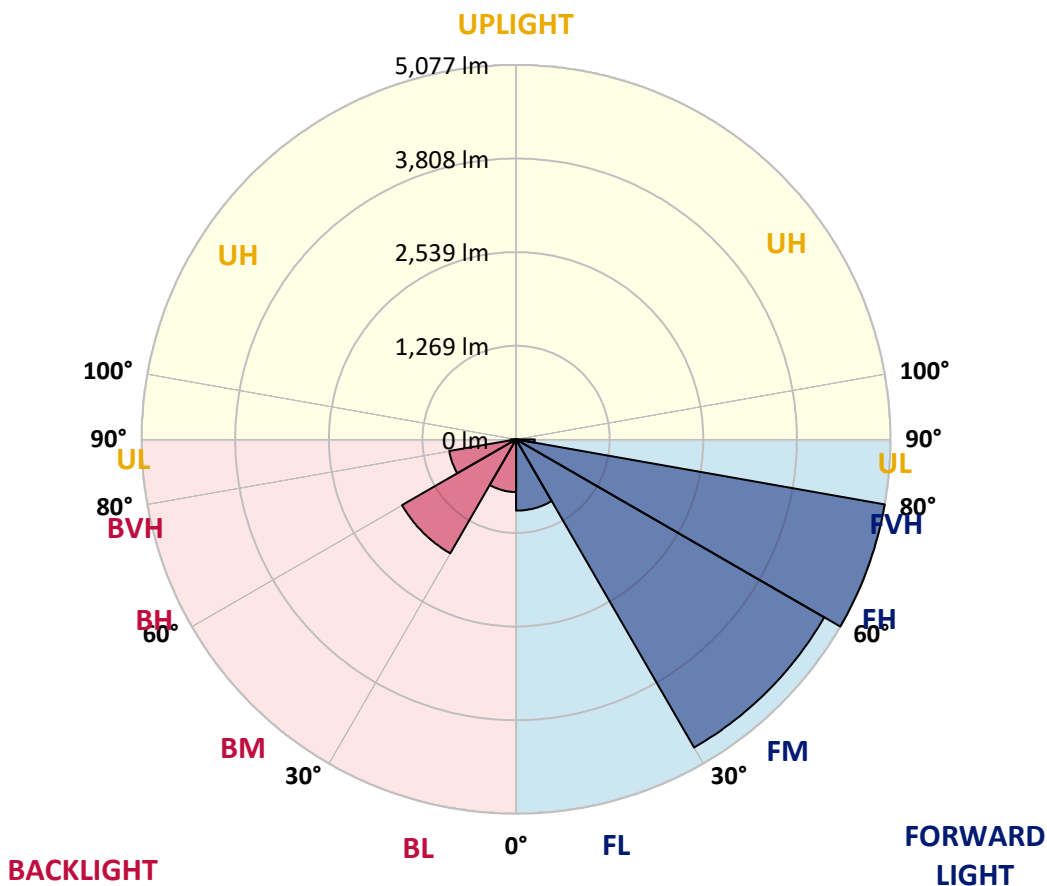
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	966.7	6.6			
FM (30°-60°)	4825.5	33.0			
FH (60°-80°)	5077.0	34.7			G3/7500
FVH (80°-90°)	252.6	1.7			G3/500
BL (0°-30°)	714.8	4.9	B2/1000		
BM (30°-60°)	1785.2	12.2	B2/2500		
BH (60°-80°)	920.2	6.3	B2/1000		G2/1000
BVH (80°-90°)	74.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4
2.5°	1980.1	1972.2	1961.0	1923.0	1899.6	1872.7	1844.8	1812.3	1775.5	1749.7	1724.0
5°	2147.8	2135.5	2108.6	2018.1	1955.5	1887.3	1830.2	1765.4	1701.7	1658.1	1614.5
7.5°	2308.8	2293.1	2251.7	2113.1	2011.4	1913.0	1826.9	1733.0	1637.9	1573.1	1521.7
10°	2469.8	2437.3	2384.8	2203.7	2069.5	1955.5	1857.1	1741.9	1615.6	1527.2	1472.5
12.5°	2592.7	2562.6	2505.5	2286.4	2127.6	1984.5	1873.8	1767.6	1660.3	1566.4	1510.5
15°	2707.9	2668.8	2603.9	2363.5	2175.7	1983.4	1840.3	1747.5	1731.9	1708.4	1635.7
17.5°	2790.6	2754.9	2687.8	2426.2	2202.5	1948.8	1747.5	1692.7	1763.2	1834.7	1765.4
20°	2863.3	2821.9	2753.7	2469.8	2208.1	1871.6	1634.6	1635.7	1746.4	1844.8	1828.0
22.5°	2924.8	2879.0	2818.6	2519.0	2205.9	1764.3	1536.2	1603.3	1714.0	1791.1	1793.3
25°	3000.8	2962.8	2912.5	2591.6	2205.9	1654.7	1464.6	1564.1	1659.2	1724.0	1721.8
27.5°	3093.6	3067.9	3026.5	2702.3	2226.0	1563.0	1424.4	1513.8	1588.7	1644.6	1643.5
30°	3197.6	3174.1	3142.8	2819.7	2260.7	1494.8	1402.0	1451.2	1506.0	1550.7	1550.7
32.5°	3303.8	3294.9	3261.3	2913.6	2233.9	1473.6	1383.0	1388.6	1417.7	1454.6	1451.2
35°	3451.4	3442.5	3400.0	2986.3	2117.6	1443.4	1352.8	1324.9	1328.2	1351.7	1359.5
37.5°	3667.2	3653.8	3591.2	3071.3	1942.0	1367.4	1303.6	1257.8	1247.7	1257.8	1272.3
40°	3927.7	3907.6	3822.6	3186.4	1739.7	1264.5	1226.5	1188.5	1171.7	1175.1	1191.8
42.5°	4254.2	4211.7	4089.8	3308.3	1539.5	1173.9	1140.4	1116.9	1097.9	1095.7	1128.1
45°	4784.1	4667.8	4474.4	3416.7	1370.7	1125.9	1063.3	1046.5	1030.8	1039.8	1077.8
47.5°	5709.9	5495.2	5118.4	3509.5	1267.9	1127.0	1001.8	983.9	982.8	1000.6	1043.1
50°	6982.2	6672.5	6091.1	3572.2	1214.2	1140.4	964.9	935.8	957.0	974.9	1015.2
52.5°	8200.9	7727.9	7035.9	3571.0	1190.7	1142.6	974.9	891.1	957.0	961.5	999.5
55°	9241.8	8385.3	7290.8	3204.3	1157.2	1133.7	1014.1	856.4	944.7	961.5	991.7
57.5°	10069.1	8803.5	7271.8	2588.3	1258.9	1084.5	1037.5	848.6	909.0	963.8	998.4
60°	9977.4	8612.3	6803.3	1588.7	1248.9	997.3	1034.2	863.1	848.6	933.6	990.6
62.5°	9368.1	7926.9	5997.2	1102.4	1172.8	947.0	979.4	888.8	792.7	890.0	952.6
65°	8515.0	7042.6	4997.7	845.2	971.6	949.2	886.6	871.0	743.5	820.6	887.7
67.5°	7386.9	5945.8	3945.6	669.7	677.5	821.8	805.0	773.7	697.7	759.2	819.5
70°	5553.3	4339.1	2714.6	538.9	513.2	686.5	723.4	695.4	652.9	670.8	734.6
72.5°	3913.2	2833.1	1487.0	427.1	395.8	527.7	628.3	623.9	576.9	590.3	652.9
75°	2908.0	2004.7	929.1	337.6	322.0	377.9	526.6	540.0	500.9	516.5	564.6
77.5°	1935.3	1298.0	516.5	250.4	250.4	276.2	392.4	455.0	426.0	438.3	471.8
80°	1067.7	660.8	258.3	164.4	168.8	190.1	286.2	327.6	328.7	358.9	367.8
82.5°	337.6	210.2	115.2	96.2	90.6	108.5	184.5	234.8	219.1	279.5	257.2
85°	77.1	49.2	21.2	21.2	23.5	35.8	70.4	125.2	159.9	192.3	139.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	49.2	72.7	64.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4
2.5°	1708.4	1686.0	1679.3	1660.3	1658.1	1640.2	1633.5	1633.5	1641.3	1641.3	1649.1
5°	1596.6	1568.6	1553.0	1530.6	1525.0	1511.6	1502.7	1503.8	1513.8	1520.5	1534.0
7.5°	1498.2	1479.2	1468.0	1457.9	1455.7	1453.5	1443.4	1442.3	1445.6	1455.7	1465.8
10°	1456.8	1443.4	1446.7	1454.6	1466.9	1473.6	1464.6	1460.2	1456.8	1463.5	1472.5
12.5°	1497.1	1483.6	1490.4	1503.8	1520.5	1527.2	1523.9	1522.8	1526.1	1551.8	1570.9
15°	1585.4	1559.7	1550.7	1556.3	1569.7	1576.4	1573.1	1577.6	1598.8	1665.9	1714.0
17.5°	1695.0	1632.3	1596.6	1586.5	1592.1	1597.7	1597.7	1608.9	1645.8	1744.1	1804.5
20°	1754.2	1672.6	1612.2	1587.6	1589.9	1595.4	1595.4	1611.1	1652.5	1757.6	1796.7
22.5°	1738.6	1663.6	1589.9	1563.0	1564.1	1568.6	1568.6	1582.0	1618.9	1711.7	1729.6
25°	1677.1	1611.1	1538.4	1515.0	1517.2	1525.0	1522.8	1530.6	1558.6	1634.6	1644.6
27.5°	1603.3	1545.1	1473.6	1455.7	1465.8	1481.4	1468.0	1469.1	1494.8	1558.6	1559.7
30°	1523.9	1475.8	1412.1	1398.7	1417.7	1425.5	1413.2	1413.2	1438.9	1482.5	1481.4
32.5°	1437.8	1407.6	1361.8	1347.2	1368.5	1380.8	1365.1	1367.4	1387.5	1416.6	1405.4
35°	1357.3	1341.7	1320.4	1310.3	1323.8	1334.9	1324.9	1329.4	1348.4	1356.2	1340.5
37.5°	1280.2	1277.9	1280.2	1280.2	1283.5	1286.9	1280.2	1291.3	1308.1	1298.0	1280.2
40°	1213.1	1222.0	1243.3	1237.7	1234.3	1237.7	1233.2	1252.2	1269.0	1251.1	1229.8
42.5°	1157.2	1173.9	1206.4	1206.4	1199.7	1201.9	1199.7	1223.1	1235.4	1210.8	1187.4
45°	1109.1	1133.7	1175.1	1180.7	1169.5	1169.5	1173.9	1203.0	1207.5	1173.9	1149.3
47.5°	1075.6	1105.7	1152.7	1162.8	1146.0	1144.9	1157.2	1188.5	1188.5	1149.3	1121.4
50°	1052.1	1085.6	1141.5	1154.9	1138.2	1133.7	1153.8	1184.0	1177.3	1130.3	1102.4
52.5°	1036.4	1071.1	1140.4	1159.4	1148.2	1143.8	1163.9	1185.1	1168.4	1118.0	1089.0
55°	1026.4	1064.4	1143.8	1159.4	1147.1	1139.3	1159.4	1178.4	1169.5	1111.3	1083.4
57.5°	1032.0	1070.0	1139.3	1147.1	1132.6	1119.2	1142.6	1169.5	1166.1	1113.6	1085.6
60°	1023.0	1057.7	1114.7	1116.9	1092.3	1071.1	1105.7	1146.0	1146.0	1105.7	1081.1
62.5°	981.6	1016.3	1066.6	1068.9	1040.9	1017.4	1057.7	1105.7	1104.6	1072.2	1046.5
65°	913.4	945.9	1002.9	1008.5	980.5	955.9	997.3	1042.0	1045.4	1016.3	993.9
67.5°	838.5	867.6	910.1	932.4	909.0	883.3	921.3	963.8	962.6	928.0	904.5
70°	749.1	775.9	815.1	834.1	819.5	794.9	829.6	851.9	841.9	825.1	809.5
72.5°	660.8	686.5	723.4	723.4	707.7	684.2	694.3	734.6	746.9	734.6	724.5
75°	568.0	590.3	616.0	621.6	587.0	544.5	591.4	626.1	640.6	635.0	622.8
77.5°	472.9	489.7	527.7	517.7	452.8	430.4	468.5	519.9	530.0	526.6	509.8
80°	364.5	374.5	414.8	394.7	344.4	329.8	346.6	386.8	389.1	377.9	356.7
82.5°	244.9	258.3	285.1	246.0	244.9	231.4	218.0	222.5	242.6	240.4	225.8
85°	125.2	131.9	157.6	147.6	126.3	109.6	104.0	110.7	99.5	90.6	78.3
87.5°	52.5	57.0	78.3	43.6	13.4	0.0	0.0	6.7	10.1	14.5	15.7
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°	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4
2.5°	1667.0	1679.3	1709.5	1747.5	1784.4	1822.4	1863.8	1889.5	1920.8	1961.0	1962.2
5°	1550.7	1578.7	1622.3	1680.4	1740.8	1810.1	1890.6	1957.7	2038.2	2101.9	2127.6
7.5°	1479.2	1519.4	1574.2	1648.0	1727.4	1813.5	1918.6	2031.5	2163.4	2248.4	2298.7
10°	1485.9	1547.4	1602.2	1664.8	1736.3	1829.1	1964.4	2114.2	2276.3	2388.1	2450.8
12.5°	1605.5	1670.4	1660.3	1656.9	1705.0	1817.9	2001.3	2198.1	2396.0	2507.8	2582.7
15°	1756.4	1781.0	1686.0	1614.5	1643.5	1777.7	2021.4	2273.0	2495.5	2631.9	2705.7
17.5°	1833.6	1784.4	1669.2	1561.9	1554.1	1716.2	2031.5	2349.0	2607.3	2743.7	2821.9
20°	1797.8	1726.3	1629.0	1527.2	1471.3	1632.3	2025.9	2409.4	2709.0	2861.1	2924.8
22.5°	1720.7	1658.1	1582.0	1484.8	1404.3	1540.7	2011.4	2469.8	2799.6	2952.8	3008.7
25°	1636.8	1589.9	1527.2	1442.3	1366.3	1460.2	2001.3	2550.3	2903.6	3050.0	3085.8
27.5°	1553.0	1518.3	1466.9	1400.9	1357.3	1404.3	2004.7	2655.4	3037.7	3176.4	3161.8
30°	1470.2	1440.0	1404.3	1375.2	1356.2	1390.8	1995.7	2767.2	3185.3	3313.9	3227.8
32.5°	1392.0	1364.0	1341.7	1346.1	1357.3	1396.4	1949.9	2868.9	3320.6	3430.2	3299.3
35°	1324.9	1295.8	1295.8	1311.5	1352.8	1377.4	1831.4	2948.3	3470.4	3580.0	3401.1
37.5°	1262.3	1236.6	1253.3	1279.0	1318.2	1326.0	1679.3	3025.4	3688.4	3791.3	3558.7
40°	1207.5	1181.8	1212.0	1244.4	1264.5	1261.2	1525.0	3132.8	3945.6	4051.8	3767.8
42.5°	1163.9	1140.4	1167.2	1208.6	1212.0	1215.3	1412.1	3235.6	4244.1	4379.4	4127.8
45°	1128.1	1111.3	1124.8	1166.1	1166.1	1217.6	1341.7	3321.7	4693.6	4932.8	4788.6
47.5°	1100.2	1090.1	1096.8	1110.2	1132.6	1257.8	1296.9	3387.7	5512.0	5981.5	5836.2
50°	1084.5	1074.4	1083.4	1055.4	1122.5	1277.9	1282.4	3438.0	6590.9	7326.5	7146.5
52.5°	1071.1	1067.7	1073.3	1008.5	1144.9	1264.5	1271.2	3370.9	7314.2	8650.3	8828.1
55°	1066.6	1068.9	1042.0	973.8	1171.7	1219.8	1237.7	2891.3	7511.0	9791.8	10895.3
57.5°	1068.9	1062.1	993.9	977.2	1172.8	1130.3	1285.8	2062.8	7224.8	10288.2	12917.9
60°	1061.0	1027.5	935.8	1007.4	1121.4	1025.2	1251.1	1345.0	6470.1	9907.0	13035.3
62.5°	1026.4	977.2	885.5	1024.1	1029.7	962.6	1135.9	1036.4	5463.9	9090.8	11903.8
65°	976.1	910.1	843.0	989.5	936.9	933.6	854.2	830.7	4393.9	8119.2	10830.5
67.5°	893.3	827.4	811.7	910.1	843.0	827.4	686.5	688.7	3506.2	7083.9	9751.6
70°	799.4	733.4	745.7	822.9	750.2	687.6	555.7	573.6	2659.8	5902.2	8297.0
72.5°	737.9	649.6	650.7	724.5	659.6	556.8	457.3	472.9	1688.2	4448.7	6596.5
75°	622.8	572.4	547.8	587.0	560.1	433.8	384.6	381.3	1000.6	3188.7	4939.5
77.5°	519.9	480.8	468.5	484.1	418.1	320.9	309.7	304.1	566.8	2042.7	3236.7
80°	376.8	366.7	365.6	373.4	322.0	235.9	235.9	237.0	305.2	1109.1	1824.6
82.5°	239.3	261.6	231.4	257.2	219.1	167.7	156.5	177.8	175.5	472.9	769.2
85°	99.5	136.4	127.5	135.3	104.0	91.7	98.4	106.2	101.7	182.2	299.6
87.5°	19.0	22.4	24.6	23.5	23.5	29.1	32.4	39.1	39.1	52.5	90.6
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4
2.5°	2004.7	2037.1	2030.4	2044.9	2025.9	2032.6	1994.6	1984.5	1977.8	1980.1
5°	2210.4	2276.3	2288.6	2313.2	2296.5	2296.5	2229.4	2179.1	2161.2	2147.8
7.5°	2419.4	2514.5	2577.1	2583.8	2574.9	2557.0	2459.7	2369.1	2336.7	2308.8
10°	2605.0	2719.1	2789.5	2823.1	2806.3	2778.3	2657.6	2533.5	2494.4	2469.8
12.5°	2747.0	2847.7	2894.6	2917.0	2914.7	2904.7	2806.3	2672.1	2630.8	2592.7
15°	2838.7	2889.0	2871.1	2870.0	2885.7	2925.9	2895.7	2790.6	2742.6	2707.9
17.5°	2898.0	2849.9	2770.5	2733.6	2767.2	2862.2	2931.5	2872.3	2828.7	2790.6
20°	2919.2	2748.2	2633.0	2564.8	2603.9	2741.4	2912.5	2931.5	2894.6	2863.3
22.5°	2894.6	2624.1	2467.5	2387.0	2425.0	2589.4	2856.6	2979.6	2955.0	2924.8
25°	2834.2	2494.4	2306.5	2233.9	2275.2	2442.9	2757.1	3024.3	3025.4	3000.8
27.5°	2759.3	2374.7	2193.6	2125.4	2165.7	2322.2	2659.8	3063.4	3102.6	3093.6
30°	2683.3	2303.2	2139.9	2091.9	2122.0	2260.7	2560.3	3103.7	3182.0	3197.6
32.5°	2648.6	2337.8	2266.3	2287.5	2248.4	2296.5	2524.5	3160.7	3278.1	3303.8
35°	2694.5	2645.3	2826.4	2910.3	2771.6	2589.4	2570.4	3246.8	3413.4	3451.4
37.5°	2917.0	3303.8	3574.4	3869.6	3629.2	3227.8	2797.3	3393.3	3606.8	3667.2
40°	3401.1	3878.5	4367.1	4748.3	4385.0	3845.0	3228.9	3611.3	3872.9	3927.7
42.5°	3857.3	4417.4	5090.5	5583.5	5111.7	4349.2	3694.0	3978.0	4224.0	4254.2
45°	4304.5	4946.2	5965.9	6651.2	6010.6	4828.8	4169.2	4597.4	4783.0	4784.1
47.5°	4828.8	5542.1	7063.8	8039.9	7203.6	5359.9	4615.3	5577.9	5836.2	5709.9
50°	5456.1	6134.7	8194.1	9655.4	8658.1	6012.8	5182.1	6773.1	7125.3	6982.2
52.5°	6295.7	6787.6	9439.6	11230.8	10243.5	6756.3	6003.9	8351.8	8468.1	8200.9
55°	7477.5	7730.2	11038.5	13176.2	12013.4	7672.0	7205.8	10333.0	10007.6	9241.8
57.5°	10168.6	9221.6	13091.2	15395.5	14015.8	9335.7	9839.9	12517.6	11360.4	10069.1
60°	12420.4	11032.9	14990.7	17598.0	15732.0	11169.3	12313.0	12897.8	11310.1	9977.4
62.5°	11661.2	11494.6	15676.1	17840.6	16317.9	12071.5	11853.5	11939.6	10572.2	9368.1
65°	10231.2	10603.5	15064.5	16690.2	15668.3	11263.2	10722.0	11054.1	9728.1	8515.0
67.5°	9387.1	9661.0	13976.7	14848.7	14487.6	10388.9	9842.1	9601.8	8417.8	7386.9
70°	8524.0	8750.9	12449.4	12537.7	12646.2	8935.4	8047.7	7332.1	6274.5	5553.3
72.5°	7365.7	7378.0	10518.6	10006.5	10212.2	6992.2	6477.9	5481.8	4567.2	3913.2
75°	6179.4	5841.8	8326.1	6994.5	7407.0	5439.3	5378.9	4131.2	3444.7	2908.0
77.5°	4711.4	4316.8	6082.2	4599.6	5202.3	3622.5	4044.0	2801.8	2423.9	1935.3
80°	3162.9	2917.0	3360.8	2596.1	3403.3	2496.6	2637.5	1587.6	1376.3	1067.7
82.5°	1668.1	1424.4	2077.3	1539.5	2052.7	1371.8	989.5	490.8	418.1	337.6
85°	646.2	748.0	1018.5	547.8	796.0	489.7	286.2	121.9	101.7	77.1
87.5°	125.2	193.4	106.2	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

(END OF REPORT)