

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P228501

Luminaire Tested: **ISS-AF-1000-LED-E1-SLL-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISS-AF-1000-LED-E1-SLL-8030
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3935 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

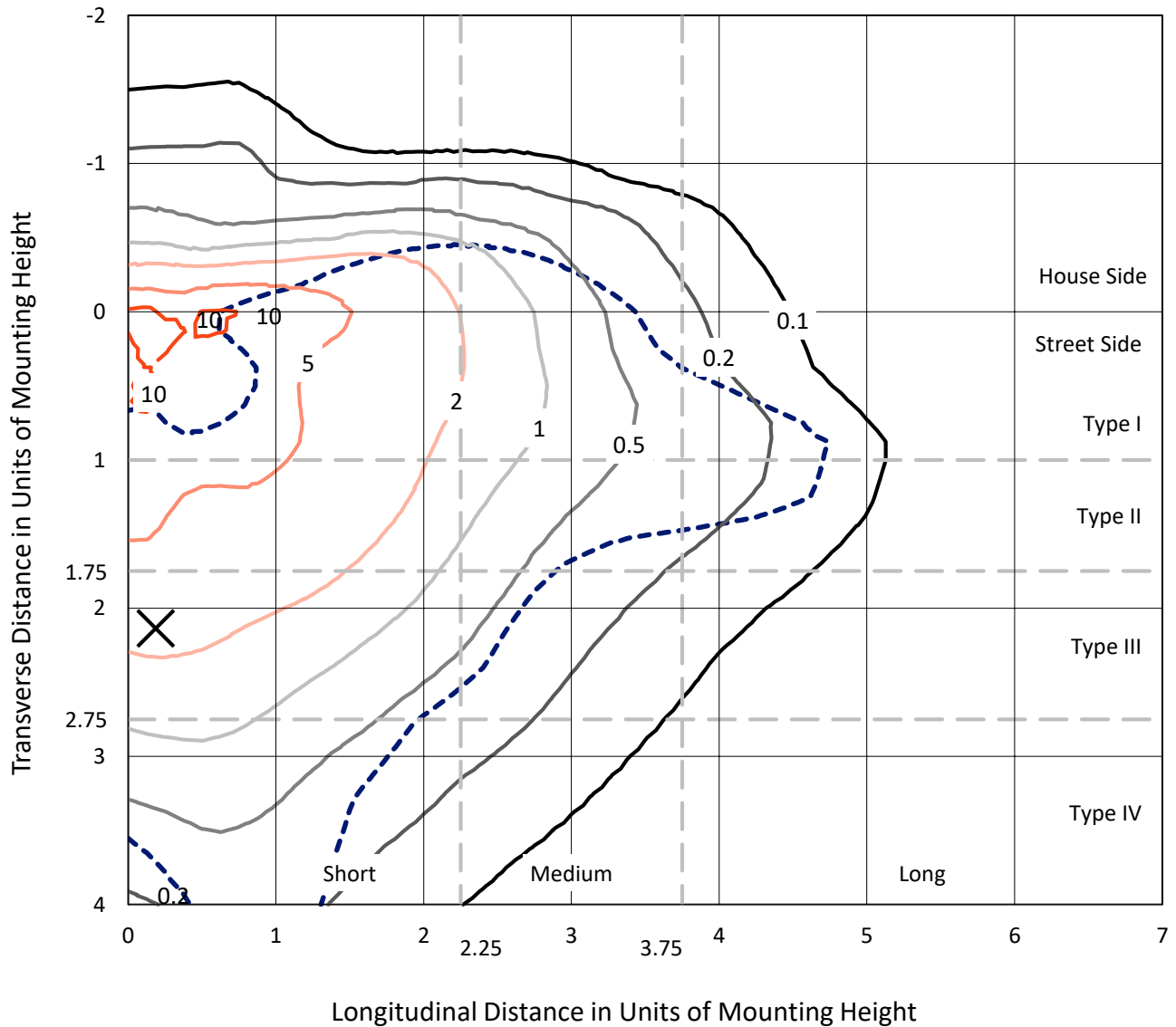
Input Watts (W): 54.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

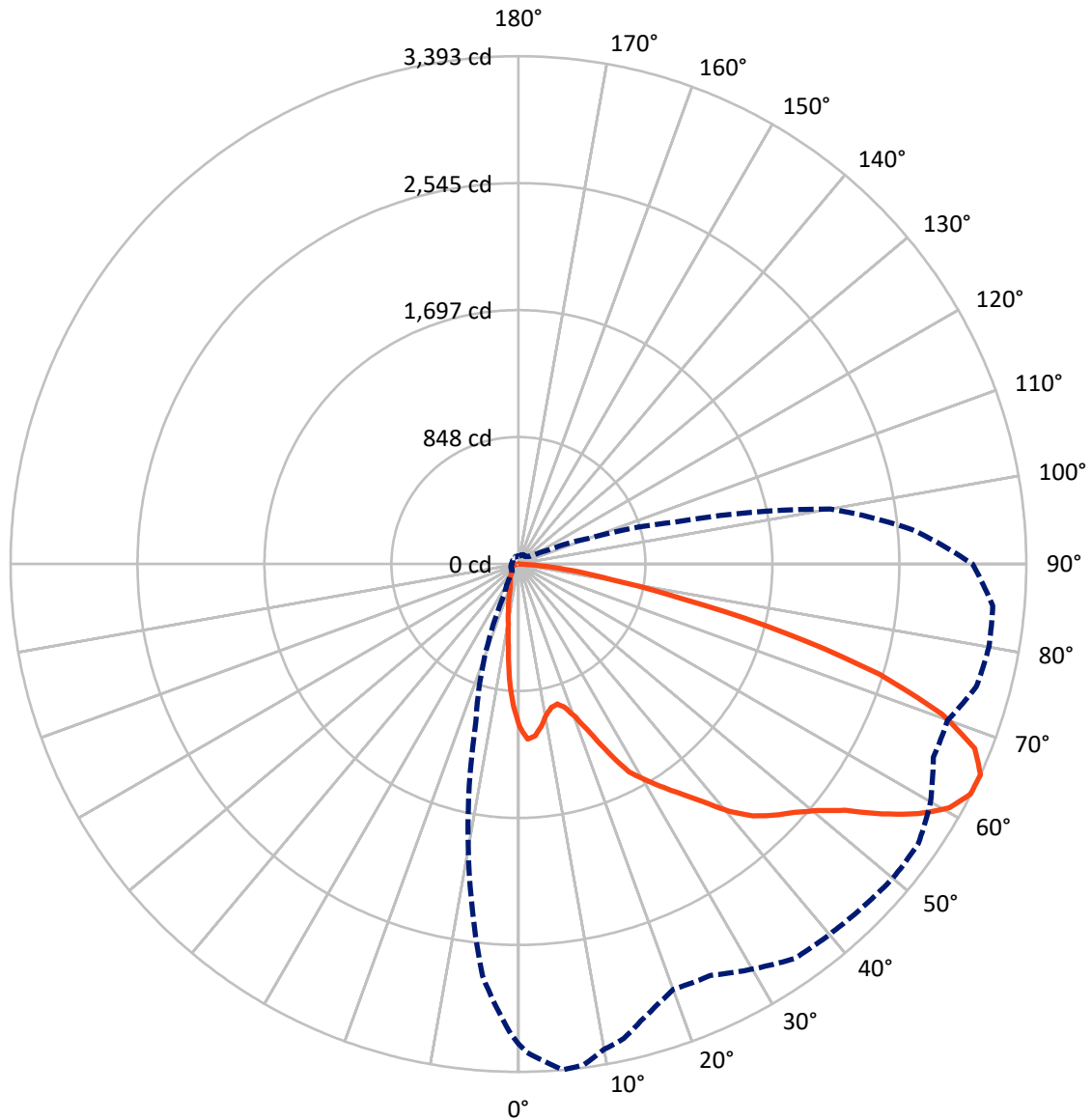
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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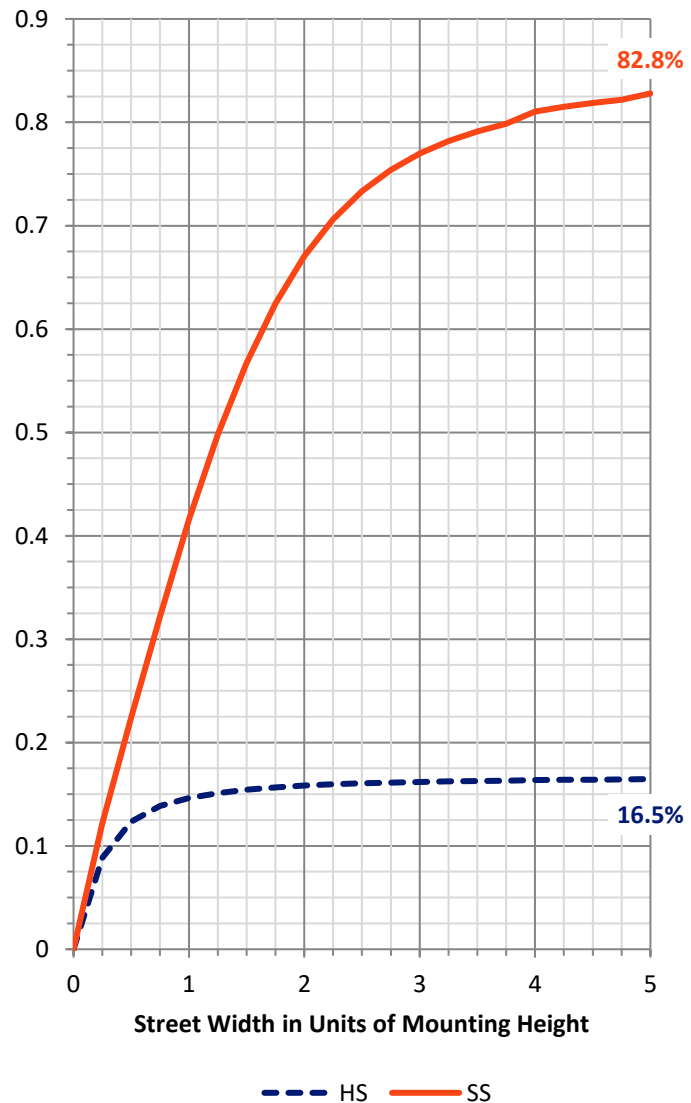
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	654.3	0.0	654.3
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	3280.7	0.0	3280.7
	% Fixture	83.4	0.0	83.4
Total	Lumens	3935.0	0.0	3935.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	2.1
10°-20°	172.3	4.4
20°-30°	250.5	6.4
30°-40°	370.4	9.4
40°-50°	539.8	13.7
50°-60°	809.1	20.6
60°-70°	1008.3	25.6
70°-80°	590.6	15.0
80°-90°	110.4	2.8
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°	3935.0	100.0
0°-180°	3935.0	100.0



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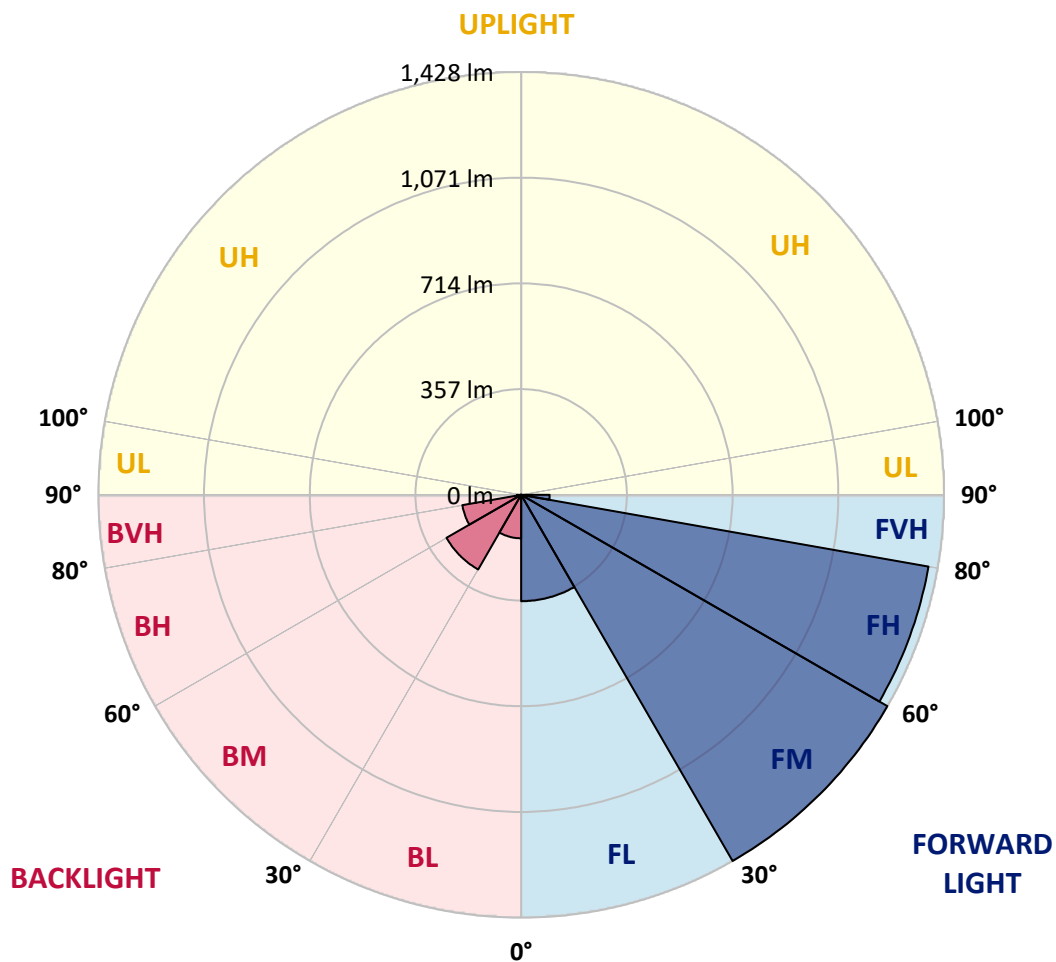
CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	359.5	9.1			
FM	(30°-60°)	1428.1	36.3			
FH	(60°-80°)	1396.9	35.5			G1/1800
FVH	(80°-90°)	96.2	2.4			G1/100
BL	(0°-30°)	146.9	3.7	B1/500		
BM	(30°-60°)	291.2	7.4	B1/1000		
BH	(60°-80°)	202.0	5.1	B1/500		G1/500
BVH	(80°-90°)	14.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	7.5°	10°	12.5°	15°	17.5°	20°	25°	35°
0°	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0
2.5°	1156.0	1152.8	1171.5	1174.7	1187.1	1187.1	1201.1	1213.6	1218.3	1229.2	1257.2
5°	1118.6	1127.9	1154.4	1180.9	1199.6	1218.3	1238.5	1263.5	1283.7	1318.0	1389.6
7.5°	1036.0	1050.0	1095.2	1121.7	1151.3	1184.0	1208.9	1238.5	1269.7	1327.3	1455.1
10°	955.0	965.9	1023.5	1056.3	1098.3	1132.6	1168.4	1201.1	1235.4	1307.1	1455.1
12.5°	903.6	917.6	983.0	1014.2	1062.5	1098.3	1141.9	1180.9	1221.4	1297.7	1441.1
15°	892.7	908.3	970.6	1009.5	1051.6	1085.9	1124.8	1165.3	1205.8	1280.6	1408.3
17.5°	922.3	941.0	1008.0	1051.6	1084.3	1123.2	1151.3	1190.2	1216.7	1275.9	1336.7
20°	992.4	1014.2	1093.6	1135.7	1162.2	1187.1	1208.9	1232.3	1243.2	1257.2	1246.3
22.5°	1104.5	1131.0	1221.4	1269.7	1288.4	1307.1	1308.6	1311.7	1304.0	1266.6	1182.4
25°	1265.0	1291.5	1394.3	1441.1	1441.1	1441.1	1423.9	1411.5	1375.6	1305.5	1165.3
27.5°	1414.6	1448.8	1571.9	1601.5	1592.2	1578.1	1545.4	1514.3	1462.9	1346.0	1163.7
30°	1526.7	1561.0	1674.7	1698.1	1674.7	1640.5	1589.1	1543.9	1483.1	1366.3	1174.7
32.5°	1629.6	1670.1	1779.1	1782.2	1740.2	1701.2	1643.6	1592.2	1528.3	1403.7	1207.4
35°	1738.6	1779.1	1889.7	1867.9	1807.2	1754.2	1695.0	1649.8	1585.9	1452.0	1260.3
37.5°	1889.7	1925.6	2019.0	1967.6	1889.7	1821.2	1757.3	1698.1	1634.2	1517.4	1349.1
40°	2036.2	2087.6	2173.3	2090.7	1995.7	1903.8	1833.6	1771.3	1701.2	1606.2	1462.9
42.5°	2173.3	2221.6	2301.0	2195.1	2084.5	1992.6	1919.3	1852.3	1785.3	1707.5	1600.0
45°	2277.6	2327.5	2394.5	2282.3	2156.1	2061.1	1981.6	1922.4	1863.2	1810.3	1772.9
47.5°	2378.9	2428.8	2480.2	2358.7	2234.0	2137.4	2044.0	1989.4	1942.7	1914.7	1959.8
50°	2509.8	2544.0	2587.7	2456.8	2324.4	2213.8	2120.3	2078.2	2034.6	2044.0	2195.1
52.5°	2687.4	2717.0	2732.6	2604.8	2456.8	2330.6	2227.8	2170.2	2134.3	2188.8	2444.3
55°	2938.2	2980.3	2946.0	2819.8	2632.8	2489.5	2363.3	2294.8	2273.0	2346.2	2693.6
57.5°	3154.7	3173.4	3148.5	3023.9	2832.3	2671.8	2537.8	2466.2	2441.2	2537.8	2921.1
60°	3249.8	3273.1	3307.4	3199.9	3020.8	2861.9	2746.6	2676.5	2634.4	2746.6	3103.3
62.5°	3265.4	3304.3	3388.4	3333.9	3192.1	3073.7	2969.4	2872.8	2840.0	2925.7	3223.3
65°	3204.6	3263.8	3393.1	3372.8	3293.4	3248.2	3161.0	3086.2	3023.9	3033.2	3217.1
67.5°	3067.5	3136.0	3287.2	3277.8	3287.2	3287.2	3210.8	3148.5	3067.5	2952.2	2980.3
70°	2737.2	2827.6	3002.1	3047.2	3126.7	3126.7	3059.7	2964.7	2871.2	2634.4	2491.1
72.5°	2193.5	2254.3	2522.2	2741.9	2843.2	2802.7	2737.2	2578.3	2372.7	2112.5	1917.8
75°	1484.7	1520.5	1849.2	2251.2	2435.0	2400.7	2293.2	2095.4	1883.5	1593.7	1347.6
77.5°	827.2	874.0	1120.1	1434.8	1682.5	1677.9	1663.8	1537.6	1369.4	1129.5	1001.7
80°	486.1	501.6	630.9	860.0	1073.4	1022.0	986.1	886.4	800.8	691.7	789.9
82.5°	297.6	282.0	358.3	523.5	634.1	612.3	551.5	514.1	473.6	444.0	525.0
85°	81.0	73.2	146.4	219.7	269.5	291.3	291.3	288.2	258.6	194.7	233.7
87.5°	0.0	0.0	0.0	0.0	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):

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
0°	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0
2.5°	1268.1	1269.7	1265.0	1275.9	1263.5	1257.2	1238.5	1238.5	1222.9	1210.5	1196.5
5°	1416.1	1425.5	1417.7	1419.2	1394.3	1369.4	1332.0	1310.2	1271.2	1229.2	1185.6
7.5°	1515.8	1531.4	1525.2	1498.7	1459.7	1406.8	1344.5	1285.3	1221.4	1152.8	1089.0
10°	1542.3	1559.5	1545.4	1495.6	1431.7	1356.9	1282.1	1202.7	1124.8	1051.6	983.0
12.5°	1504.9	1517.4	1487.8	1433.3	1370.9	1296.2	1218.3	1149.7	1057.8	979.9	900.5
15°	1409.9	1402.1	1399.0	1360.0	1316.4	1255.7	1182.4	1112.3	1026.7	947.2	863.1
17.5°	1307.1	1297.7	1300.8	1285.3	1279.0	1251.0	1196.5	1137.3	1060.9	964.3	874.0
20°	1216.7	1207.4	1212.0	1219.8	1243.2	1244.8	1235.4	1196.5	1140.4	1039.1	928.5
22.5°	1138.8	1140.4	1156.0	1177.8	1216.7	1266.6	1305.5	1313.3	1274.4	1156.0	1017.3
25°	1115.5	1107.7	1124.8	1160.6	1226.1	1322.7	1409.9	1453.5	1431.7	1313.3	1143.5
27.5°	1107.7	1096.8	1115.5	1162.2	1266.6	1402.1	1526.7	1592.2	1600.0	1478.4	1279.0
30°	1107.7	1103.0	1121.7	1182.4	1293.1	1428.6	1567.2	1665.4	1696.5	1595.3	1397.4
32.5°	1121.7	1124.8	1157.5	1235.4	1349.1	1487.8	1631.1	1737.1	1793.1	1716.8	1492.5
35°	1152.8	1159.1	1205.8	1296.2	1419.2	1559.5	1690.3	1797.8	1888.2	1847.7	1581.3
37.5°	1219.8	1229.2	1286.8	1378.7	1490.9	1617.1	1744.8	1860.1	1991.0	1973.9	1674.7
40°	1338.2	1338.2	1395.9	1475.3	1567.2	1663.8	1790.0	1925.6	2086.0	2109.4	1790.0
42.5°	1487.8	1481.6	1518.9	1576.6	1640.5	1721.5	1835.2	1986.3	2174.8	2226.2	1877.3
45°	1693.4	1662.3	1682.5	1696.5	1727.7	1777.6	1878.8	2044.0	2246.5	2313.5	1942.7
47.5°	1934.9	1891.3	1874.2	1847.7	1836.8	1855.5	1942.7	2089.1	2315.0	2388.3	2048.6
50°	2201.3	2159.2	2114.1	2042.4	1980.1	1961.4	2014.4	2149.9	2388.3	2481.7	2165.5
52.5°	2478.6	2449.0	2389.8	2277.6	2159.2	2092.3	2117.2	2251.2	2505.1	2626.6	2304.1
55°	2732.6	2741.9	2670.2	2539.4	2369.6	2266.7	2296.3	2430.3	2717.0	2860.3	2536.3
57.5°	3005.2	2980.3	2924.2	2788.6	2603.2	2492.6	2505.1	2667.1	2953.8	3062.8	2766.8
60°	3185.9	3185.9	3125.1	3022.3	2846.3	2743.5	2762.2	2911.7	3143.8	3154.7	2869.6
62.5°	3302.7	3319.9	3271.6	3198.4	3027.0	2941.3	3005.2	3111.1	3237.3	3147.0	2818.2
65°	3246.7	3265.4	3260.7	3179.7	3058.2	3051.9	3167.2	3192.1	3181.2	3033.2	2640.6
67.5°	2992.7	2955.3	2953.8	2911.7	2886.8	3016.1	3162.5	3170.3	2986.5	2810.4	2360.2
70°	2509.8	2445.9	2421.0	2433.4	2547.2	2788.6	2997.4	2938.2	2645.3	2494.2	2009.7
72.5°	1934.9	1858.6	1843.0	1891.3	2067.3	2407.0	2692.0	2609.5	2174.8	1998.8	1556.3
75°	1372.5	1339.8	1341.3	1436.4	1626.4	1953.6	2285.4	2277.6	1610.9	1378.7	1071.8
77.5°	998.6	1004.8	1032.9	1070.3	1233.9	1550.1	1861.7	1841.4	1146.6	947.2	749.3
80°	824.1	833.5	833.5	813.2	855.3	1023.5	1265.0	1350.7	768.0	637.2	523.5
82.5°	592.0	638.7	665.2	632.5	616.9	674.6	793.0	849.1	478.3	401.9	366.1
85°	282.0	322.5	331.8	324.0	372.3	425.3	453.3	464.3	261.7	186.9	239.9
87.5°	0.0	0.0	1.6	12.5	34.3	59.2	59.2	90.4	14.0	4.7	10.9
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):

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°
0°	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0
2.5°	1177.8	1157.5	1141.9	1123.2	1107.7	1092.1	1081.2	1057.8	1039.1	997.1	986.1
5°	1149.7	1106.1	1076.5	1048.5	1012.6	987.7	961.2	928.5	892.7	831.9	813.2
7.5°	1039.1	984.6	944.1	903.6	856.8	814.8	775.8	732.2	669.9	604.5	579.5
10°	919.2	861.5	805.4	757.1	701.1	654.3	620.0	588.9	539.0	489.2	456.5
12.5°	821.0	755.6	691.7	643.4	613.8	590.4	565.5	540.6	487.6	431.5	392.6
15°	775.8	699.5	643.4	602.9	576.4	548.4	518.8	490.7	428.4	363.0	316.3
17.5°	782.1	694.8	623.2	568.6	532.8	493.9	459.6	423.7	355.2	277.3	235.2
20°	816.3	699.5	601.3	537.5	486.1	436.2	392.6	347.4	263.3	202.5	172.9
22.5°	860.0	715.1	588.9	506.3	442.4	380.1	324.0	271.1	194.7	158.9	144.9
25°	934.7	750.9	585.8	478.3	400.4	325.6	268.0	211.9	157.3	140.2	132.4
27.5°	1028.2	791.4	588.9	458.0	364.5	282.0	218.1	176.0	141.8	132.4	126.2
30°	1121.7	833.5	574.9	426.9	322.5	241.5	186.9	160.5	140.2	129.3	118.4
32.5°	1204.3	864.6	551.5	394.1	285.1	205.6	158.9	137.1	123.1	110.6	107.5
35°	1263.5	878.7	525.0	373.9	260.2	183.8	140.2	123.1	109.1	96.6	90.4
37.5°	1319.5	880.2	497.0	355.2	250.8	174.5	129.3	113.7	101.3	90.4	84.1
40°	1377.2	874.0	481.4	336.5	236.8	169.8	124.6	105.9	98.1	85.7	79.5
42.5°	1419.2	863.1	475.2	325.6	224.3	157.3	121.5	104.4	93.5	84.1	76.3
45°	1458.2	852.2	475.2	316.3	215.0	149.6	115.3	105.9	90.4	82.6	73.2
47.5°	1504.9	856.8	476.7	308.5	207.2	141.8	109.1	102.8	91.9	81.0	71.7
50°	1584.4	909.8	484.5	303.8	201.0	135.5	104.4	98.1	101.3	79.5	70.1
52.5°	1721.5	993.9	497.0	300.7	194.7	130.9	98.1	95.0	102.8	79.5	68.5
55°	1900.6	1079.6	509.4	292.9	185.4	121.5	95.0	88.8	95.0	79.5	67.0
57.5°	2075.1	1143.5	520.3	282.0	169.8	112.2	90.4	84.1	87.2	77.9	63.9
60°	2176.4	1193.3	531.2	263.3	151.1	101.3	85.7	79.5	77.9	77.9	62.3
62.5°	2204.4	1174.7	525.0	239.9	135.5	93.5	81.0	74.8	70.1	79.5	62.3
65°	2115.6	1076.5	501.6	219.7	124.6	90.4	76.3	71.7	67.0	68.5	59.2
67.5°	1843.0	905.1	437.8	201.0	123.1	88.8	73.2	68.5	62.3	60.8	56.1
70°	1503.4	710.4	363.0	186.9	121.5	88.8	70.1	63.9	59.2	54.5	51.4
72.5°	1156.0	531.2	305.3	180.7	123.1	87.2	65.4	57.6	53.0	49.9	46.7
75°	813.2	375.5	253.9	162.0	115.3	82.6	60.8	51.4	46.7	43.6	40.5
77.5°	588.9	255.5	188.5	130.9	98.1	71.7	53.0	43.6	38.9	37.4	34.3
80°	375.5	157.3	126.2	96.6	71.7	56.1	40.5	34.3	31.2	28.0	26.5
82.5°	216.5	91.9	76.3	65.4	46.7	37.4	29.6	26.5	20.3	18.7	17.1
85°	132.4	57.6	42.1	34.3	29.6	23.4	17.1	15.6	10.9	9.3	7.8
87.5°	29.6	12.5	10.9	7.8	9.3	7.8	4.7	3.1	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):

	175°	180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°
0°	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0
2.5°	969.0	945.6	947.2	942.5	930.1	909.8	903.6	892.7	894.2	900.5	894.2
5°	791.4	763.4	766.5	764.9	752.5	738.4	727.5	713.5	708.8	713.5	705.7
7.5°	560.8	542.1	548.4	562.4	560.8	553.1	543.7	528.1	525.0	526.6	512.5
10°	428.4	409.7	405.1	403.5	400.4	395.7	383.2	370.8	366.1	367.7	358.3
12.5°	358.3	342.7	324.0	306.9	291.3	285.1	269.5	261.7	260.2	260.2	255.5
15°	283.5	271.1	260.2	243.0	230.6	221.2	210.3	204.1	202.5	204.1	204.1
17.5°	211.9	205.6	201.0	199.4	193.2	186.9	180.7	177.6	176.0	176.0	177.6
20°	162.0	160.5	160.5	160.5	168.3	174.5	176.0	171.4	169.8	168.3	166.7
22.5°	140.2	138.7	140.2	149.6	144.9	140.2	140.2	140.2	140.2	140.2	141.8
25°	129.3	130.9	132.4	127.7	123.1	120.0	118.4	118.4	116.8	116.8	118.4
27.5°	123.1	121.5	120.0	116.8	113.7	109.1	107.5	105.9	105.9	105.9	105.9
30°	115.3	113.7	112.2	109.1	104.4	98.1	96.6	96.6	95.0	96.6	96.6
32.5°	105.9	104.4	102.8	99.7	95.0	91.9	90.4	87.2	87.2	87.2	88.8
35°	85.7	84.1	84.1	85.7	85.7	84.1	84.1	81.0	81.0	81.0	81.0
37.5°	79.5	77.9	77.9	76.3	77.9	79.5	77.9	76.3	76.3	74.8	74.8
40°	74.8	74.8	73.2	71.7	71.7	74.8	73.2	71.7	70.1	70.1	70.1
42.5°	71.7	70.1	70.1	68.5	68.5	68.5	67.0	65.4	63.9	63.9	63.9
45°	68.5	68.5	67.0	65.4	63.9	63.9	60.8	59.2	59.2	59.2	60.8
47.5°	67.0	65.4	65.4	63.9	62.3	59.2	57.6	56.1	56.1	56.1	56.1
50°	65.4	63.9	62.3	62.3	59.2	57.6	56.1	54.5	54.5	54.5	54.5
52.5°	63.9	62.3	60.8	59.2	57.6	56.1	54.5	53.0	53.0	53.0	53.0
55°	60.8	59.2	59.2	57.6	57.6	56.1	54.5	53.0	53.0	53.0	51.4
57.5°	59.2	57.6	56.1	56.1	56.1	54.5	53.0	51.4	51.4	51.4	51.4
60°	57.6	56.1	56.1	54.5	54.5	53.0	53.0	51.4	49.9	49.9	48.3
62.5°	56.1	54.5	54.5	53.0	54.5	53.0	51.4	49.9	48.3	48.3	46.7
65°	54.5	53.0	53.0	53.0	51.4	51.4	49.9	46.7	46.7	46.7	45.2
67.5°	51.4	49.9	49.9	51.4	49.9	48.3	48.3	45.2	45.2	43.6	43.6
70°	46.7	46.7	46.7	48.3	46.7	45.2	45.2	43.6	42.1	40.5	40.5
72.5°	43.6	42.1	43.6	43.6	43.6	42.1	43.6	40.5	38.9	37.4	37.4
75°	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	35.8	34.3	32.7
77.5°	29.6	31.2	31.2	31.2	31.2	32.7	31.2	31.2	31.2	29.6	28.0
80°	21.8	21.8	23.4	24.9	23.4	24.9	23.4	24.9	23.4	23.4	23.4
82.5°	12.5	12.5	14.0	15.6	15.6	17.1	14.0	15.6	15.6	17.1	15.6
85°	4.7	4.7	4.7	4.7	6.2	6.2	4.7	6.2	6.2	7.8	7.8
87.5°	0.0	0.0	0.0	0.0	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):

	240°	242.5°	245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°
0°	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0
2.5°	906.7	906.7	888.0	891.1	894.2	900.5	897.3	895.8	894.2	903.6	908.3
5°	712.0	710.4	687.0	685.5	690.1	691.7	687.0	679.2	674.6	676.1	680.8
7.5°	517.2	512.5	490.7	487.6	486.1	487.6	482.9	475.2	468.9	470.5	475.2
10°	361.4	349.0	345.9	347.4	350.5	353.6	353.6	353.6	355.2	364.5	375.5
12.5°	261.7	257.1	260.2	263.3	269.5	274.2	278.9	280.4	282.0	294.4	303.8
15°	207.2	207.2	210.3	211.9	215.0	218.1	221.2	221.2	222.8	227.5	235.2
17.5°	179.2	179.2	179.2	179.2	179.2	177.6	176.0	172.9	171.4	169.8	171.4
20°	165.1	163.6	160.5	158.9	155.8	152.7	151.1	146.4	144.9	140.2	138.7
22.5°	141.8	140.2	140.2	140.2	140.2	138.7	137.1	135.5	132.4	127.7	124.6
25°	116.8	116.8	116.8	118.4	118.4	120.0	123.1	123.1	123.1	123.1	118.4
27.5°	105.9	105.9	105.9	105.9	107.5	107.5	109.1	109.1	109.1	110.6	112.2
30°	96.6	98.1	98.1	99.7	99.7	101.3	101.3	102.8	102.8	104.4	104.4
32.5°	88.8	88.8	90.4	91.9	91.9	91.9	95.0	95.0	93.5	95.0	95.0
35°	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	76.3	74.8	76.3
37.5°	73.2	71.7	71.7	70.1	68.5	68.5	68.5	70.1	68.5	70.1	70.1
40°	67.0	67.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	67.0	68.5
42.5°	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	63.9	63.9
45°	59.2	59.2	59.2	59.2	60.8	60.8	60.8	60.8	60.8	60.8	62.3
47.5°	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	59.2	60.8
50°	54.5	54.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	57.6	59.2
52.5°	53.0	53.0	53.0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	56.1
55°	51.4	53.0	53.0	53.0	53.0	53.0	51.4	51.4	51.4	51.4	53.0
57.5°	49.9	49.9	51.4	51.4	51.4	49.9	49.9	48.3	48.3	48.3	51.4
60°	48.3	48.3	48.3	48.3	48.3	46.7	46.7	46.7	46.7	48.3	48.3
62.5°	46.7	46.7	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
65°	45.2	45.2	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
67.5°	42.1	42.1	42.1	40.5	40.5	40.5	40.5	42.1	40.5	40.5	40.5
70°	38.9	38.9	38.9	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
72.5°	35.8	35.8	35.8	35.8	34.3	34.3	34.3	34.3	34.3	34.3	34.3
75°	32.7	31.2	31.2	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
77.5°	28.0	26.5	26.5	26.5	24.9	24.9	24.9	24.9	24.9	24.9	24.9
80°	23.4	21.8	21.8	20.3	20.3	20.3	20.3	20.3	20.3	18.7	18.7
82.5°	17.1	15.6	15.6	15.6	15.6	14.0	14.0	14.0	14.0	12.5	10.9
85°	7.8	7.8	6.2	7.8	7.8	9.3	7.8	7.8	7.8	6.2	3.1
87.5°	0.0	0.0	0.0	0.0	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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°	302.5°	
0°	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	0°
2.5°	905.1	920.7	922.3	912.9	931.6	934.7	930.1	930.1	933.2	945.6	945.6	2.5°
5°	674.6	694.8	693.3	680.8	705.7	713.5	708.8	710.4	716.6	730.7	738.4	5°
7.5°	476.7	493.9	492.3	490.7	506.3	512.5	515.7	520.3	539.0	540.6	549.9	7.5°
10°	386.4	401.9	406.6	417.5	422.2	431.5	437.8	445.6	461.1	468.9	479.8	10°
12.5°	313.1	331.8	336.5	349.0	355.2	366.1	372.3	387.9	397.3	406.6	420.6	12.5°
15°	241.5	257.1	261.7	271.1	277.3	289.8	296.0	305.3	324.0	333.4	352.1	15°
17.5°	177.6	186.9	190.1	196.3	201.0	205.6	218.1	233.7	244.6	260.2	269.5	17.5°
20°	138.7	141.8	143.3	144.9	148.0	151.1	157.3	168.3	174.5	186.9	196.3	20°
22.5°	124.6	126.2	126.2	127.7	127.7	129.3	132.4	135.5	138.7	143.3	148.0	22.5°
25°	115.3	116.8	116.8	118.4	118.4	120.0	121.5	123.1	126.2	127.7	129.3	25°
27.5°	110.6	110.6	110.6	110.6	112.2	112.2	113.7	116.8	116.8	120.0	121.5	27.5°
30°	105.9	105.9	105.9	107.5	109.1	112.2	115.3	120.0	121.5	124.6	126.2	30°
32.5°	98.1	95.0	98.1	96.6	93.5	93.5	95.0	98.1	98.1	99.7	101.3	32.5°
35°	76.3	76.3	77.9	79.5	79.5	81.0	82.6	84.1	85.7	88.8	90.4	35°
37.5°	71.7	73.2	73.2	74.8	76.3	76.3	77.9	81.0	82.6	84.1	85.7	37.5°
40°	68.5	70.1	71.7	73.2	73.2	74.8	76.3	77.9	79.5	82.6	84.1	40°
42.5°	65.4	68.5	68.5	70.1	71.7	73.2	74.8	76.3	79.5	81.0	82.6	42.5°
45°	63.9	65.4	67.0	68.5	70.1	71.7	73.2	76.3	77.9	81.0	82.6	45°
47.5°	62.3	63.9	65.4	67.0	68.5	70.1	71.7	74.8	77.9	81.0	84.1	47.5°
50°	59.2	62.3	63.9	65.4	67.0	68.5	71.7	74.8	77.9	82.6	90.4	50°
52.5°	57.6	60.8	60.8	63.9	65.4	68.5	71.7	74.8	79.5	85.7	93.5	52.5°
55°	54.5	57.6	57.6	60.8	63.9	67.0	68.5	73.2	77.9	84.1	85.7	55°
57.5°	51.4	54.5	56.1	57.6	60.8	63.9	65.4	70.1	76.3	77.9	76.3	57.5°
60°	49.9	51.4	53.0	54.5	57.6	59.2	63.9	73.2	79.5	73.2	65.4	60°
62.5°	46.7	49.9	51.4	53.0	56.1	57.6	60.8	67.0	68.5	60.8	59.2	62.5°
65°	45.2	48.3	48.3	51.4	53.0	53.0	54.5	54.5	54.5	54.5	54.5	65°
67.5°	42.1	45.2	45.2	46.7	48.3	48.3	49.9	49.9	49.9	49.9	49.9	67.5°
70°	38.9	40.5	42.1	43.6	43.6	43.6	45.2	45.2	45.2	46.7	46.7	70°
72.5°	35.8	37.4	37.4	38.9	38.9	40.5	40.5	42.1	42.1	42.1	43.6	72.5°
75°	29.6	31.2	32.7	34.3	34.3	35.8	35.8	35.8	35.8	37.4	37.4	75°
77.5°	24.9	24.9	28.0	28.0	29.6	29.6	31.2	31.2	31.2	31.2	31.2	77.5°
80°	18.7	18.7	20.3	21.8	23.4	23.4	23.4	23.4	23.4	23.4	23.4	80°
82.5°	10.9	10.9	12.5	12.5	14.0	14.0	15.6	14.0	14.0	12.5	12.5	82.5°
85°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	1.6	1.6	0.0	0.0	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	335°	345°		355°
1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	0°	1089.0
969.0	969.0	972.1	984.6	987.7	995.5	993.9	1008.0	1014.2	1051.6	1090.5	2.5°	1127.9
766.5	772.7	782.1	797.6	807.0	824.1	821.0	849.1	853.7	922.3	989.3	5°	1067.2
571.7	581.1	588.9	606.0	620.0	637.2	641.9	674.6	683.9	774.3	867.7	7.5°	975.2
495.4	503.2	514.1	525.0	539.0	546.8	559.3	574.9	585.8	652.8	760.3	10°	883.3
440.9	451.8	462.7	478.3	492.3	506.3	518.8	534.4	548.4	602.9	687.0	12.5°	828.8
373.9	386.4	398.8	416.0	436.2	450.2	464.3	481.4	498.5	565.5	663.7	15°	807.0
289.8	303.8	320.9	344.3	366.1	383.2	397.3	420.6	442.4	523.5	652.8	17.5°	828.8
213.4	225.9	241.5	261.7	277.3	306.9	322.5	350.5	377.0	478.3	637.2	20°	870.9
157.3	165.1	177.6	193.2	210.3	236.8	253.9	278.9	308.5	436.2	637.2	22.5°	942.5
132.4	135.5	140.2	149.6	160.5	179.2	196.3	221.2	250.8	398.8	654.3	25°	1059.4
123.1	124.6	127.7	132.4	138.7	148.0	160.5	180.7	210.3	369.2	679.2	27.5°	1184.0
129.3	129.3	129.3	130.9	134.0	138.7	144.9	157.3	176.0	325.6	696.4	30°	1293.1
104.4	105.9	105.9	109.1	110.6	116.8	123.1	132.4	149.6	299.1	707.3	32.5°	1370.9
93.5	95.0	96.6	98.1	101.3	102.8	109.1	120.0	137.1	282.0	705.7	35°	1462.9
88.8	90.4	91.9	91.9	93.5	96.6	101.3	112.2	132.4	275.7	705.7	37.5°	1568.8
87.2	87.2	87.2	87.2	90.4	93.5	101.3	112.2	129.3	269.5	710.4	40°	1685.6
84.1	84.1	84.1	85.7	90.4	96.6	99.7	105.9	120.0	266.4	718.2	42.5°	1791.6
84.1	84.1	85.7	91.9	93.5	93.5	95.0	99.7	113.7	266.4	733.8	45°	1874.2
87.2	90.4	91.9	90.4	88.8	88.8	88.8	95.0	109.1	271.1	763.4	47.5°	1969.2
95.0	93.5	87.2	85.7	85.7	82.6	84.1	90.4	107.5	271.1	824.1	50°	2100.0
93.5	87.2	85.7	82.6	79.5	77.9	79.5	88.8	105.9	268.0	911.4	52.5°	2291.7
84.1	82.6	77.9	74.8	73.2	74.8	77.9	85.7	102.8	264.8	1018.9	55°	2523.8
73.2	71.7	68.5	68.5	70.1	71.7	76.3	82.6	95.0	257.1	1104.5	57.5°	2737.2
63.9	63.9	63.9	65.4	67.0	68.5	73.2	77.9	87.2	243.0	1162.2	60°	2874.3
57.6	59.2	59.2	62.3	63.9	65.4	68.5	73.2	79.5	227.5	1174.7	62.5°	2875.9
54.5	56.1	57.6	57.6	59.2	60.8	65.4	70.1	79.5	215.0	1098.3	65°	2762.2
51.4	51.4	53.0	54.5	56.1	57.6	60.8	68.5	81.0	204.1	931.6	67.5°	2473.9
46.7	48.3	49.9	51.4	51.4	53.0	57.6	68.5	82.6	199.4	740.0	70°	2089.1
43.6	43.6	45.2	46.7	46.7	49.9	54.5	67.0	84.1	191.6	557.7	72.5°	1629.6
37.4	38.9	38.9	38.9	40.5	43.6	49.9	60.8	73.2	158.9	377.0	75°	1104.5
32.7	31.2	32.7	32.7	34.3	35.8	40.5	46.7	54.5	101.3	199.4	77.5°	702.6
23.4	21.8	21.8	23.4	23.4	23.4	26.5	28.0	31.2	62.3	110.6	80°	414.4
12.5	10.9	12.5	10.9	10.9	12.5	12.5	15.6	15.6	29.6	49.9	82.5°	257.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	10.9	85°	104.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5°	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°	0.0

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TION (continued):

359°	360°
1089.0	1089.0
1146.6	1156.0
1106.1	1118.6
1018.9	1036.0
937.9	955.0
894.2	903.6
874.0	892.7
903.6	922.3
962.8	992.4
1067.2	1104.5
1232.3	1265.0
1363.2	1414.6
1484.7	1526.7
1581.3	1629.6
1691.9	1738.6
1825.9	1889.7
1964.5	2036.2
2093.8	2173.3
2215.3	2277.6
2308.8	2378.9
2427.2	2509.8
2628.2	2687.4
2871.2	2938.2
3097.1	3154.7
3201.5	3249.8
3204.6	3265.4
3136.0	3204.6
2961.6	3067.5
2618.8	2737.2
2058.0	2193.5
1366.3	1484.7
788.3	827.2
465.8	486.1
277.3	297.6
74.8	81.0
0.0	0.0
0.0	0.0

(END OF REPORT)