

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: P228483

Luminaire Tested: **ISS-AF-600-LED-E1-SLL-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228483
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-600-LED-E1-SLL-7050
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3259 lumens
Efficiency: N/A
Efficacy: 96.7 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

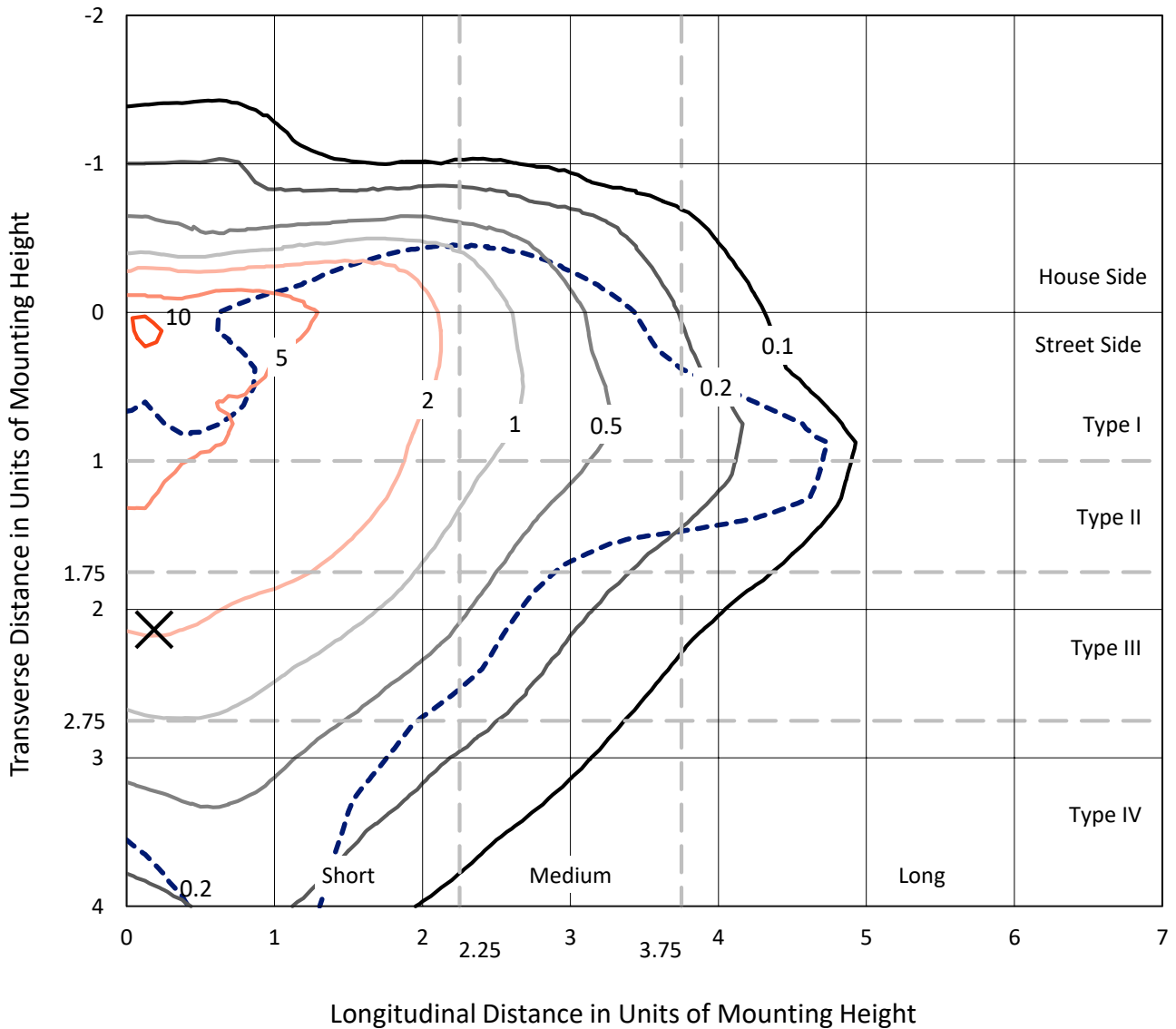
Input Watts (W): 33.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

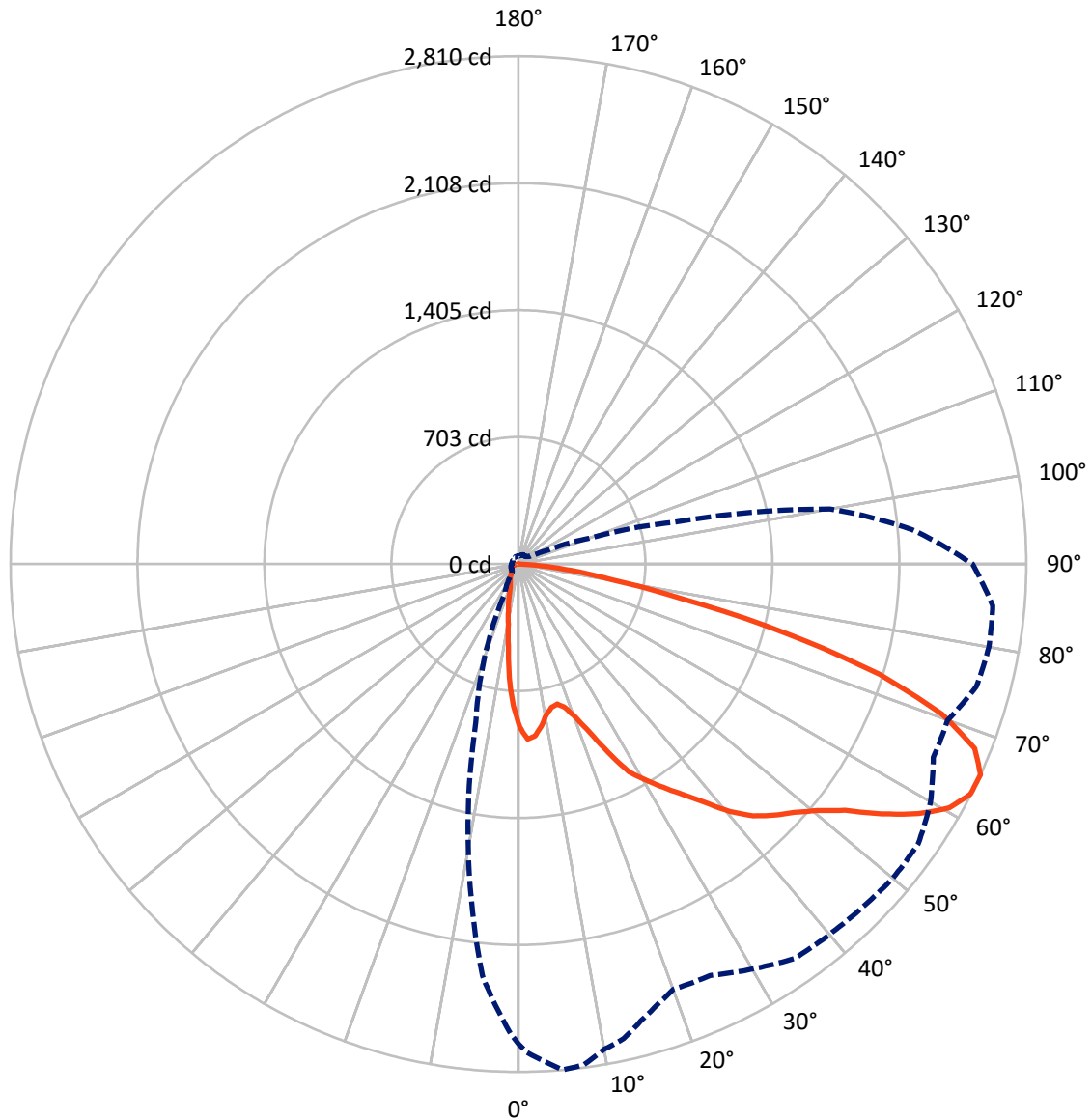
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.2 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	541.9	0.0	541.9
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	2717.1	0.0	2717.1
	% Fixture	83.4	0.0	83.4
Total	Lumens	3259.0	0.0	3259.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	2.1
10°-20°	142.7	4.4
20°-30°	207.4	6.4
30°-40°	306.8	9.4
40°-50°	447.0	13.7
50°-60°	670.1	20.6
60°-70°	835.0	25.6
70°-80°	489.2	15.0
80°-90°	91.5	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°	3259.0	100.0
0°-180°	3259.0	100.0



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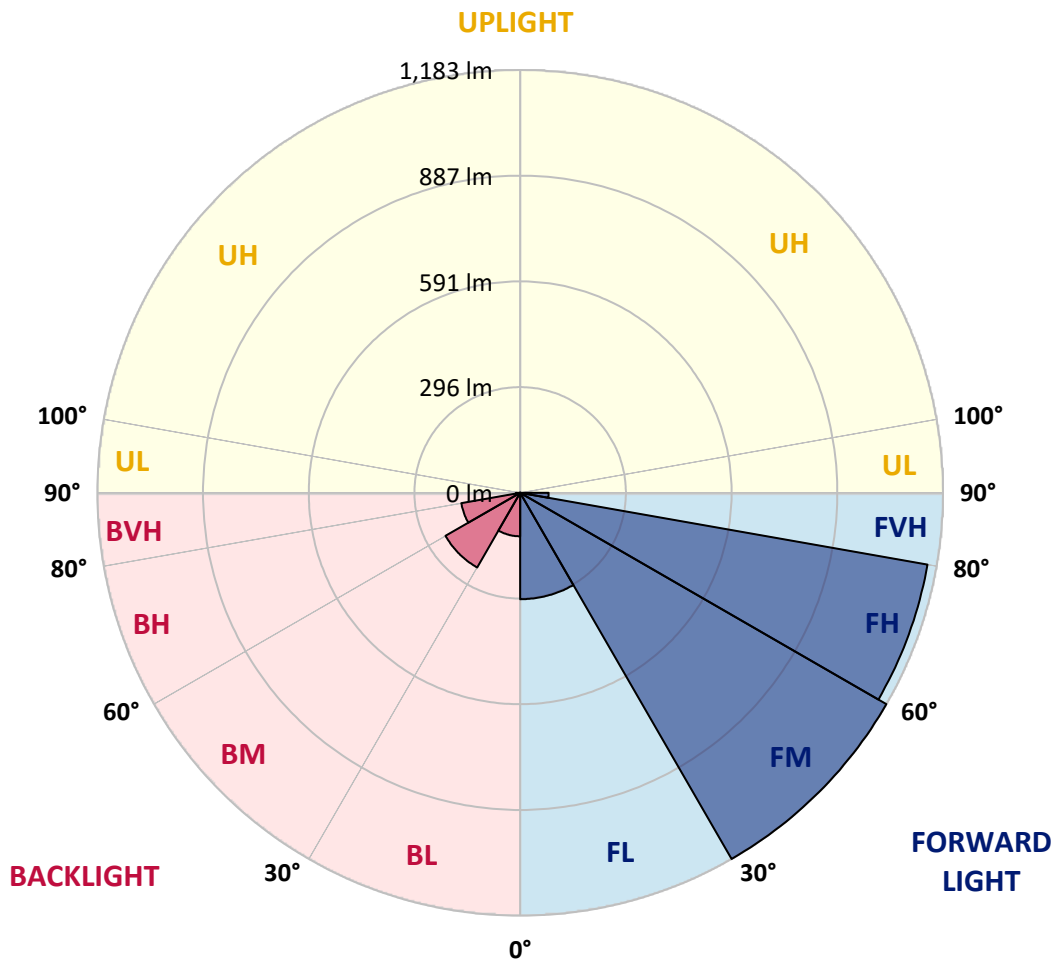
CATALOG NUMBER: ISS-AF-600-LED-E1-SLL-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	297.7	9.1			
FM	(30°-60°)	1182.8	36.3			
FH	(60°-80°)	1156.9	35.5			G1/1800
FVH	(80°-90°)	79.7	2.4			G1/100
BL	(0°-30°)	121.7	3.7	B1/500		
BM	(30°-60°)	241.2	7.4	B1/1000		
BH	(60°-80°)	167.3	5.1	B1/500		G1/500
BVH	(80°-90°)	11.8	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°	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9
2.5°	957.4	954.8	970.3	972.9	983.2	983.2	994.8	1005.1	1009.0	1018.0	1041.2
5°	926.4	934.2	956.1	978.0	993.5	1009.0	1025.8	1046.4	1063.2	1091.6	1150.9
7.5°	858.0	869.6	907.1	929.0	953.5	980.6	1001.2	1025.8	1051.6	1099.3	1205.1
10°	790.9	800.0	847.7	874.8	909.6	938.0	967.7	994.8	1023.2	1082.5	1205.1
12.5°	748.4	760.0	814.2	840.0	880.0	909.6	945.8	978.0	1011.6	1074.8	1193.5
15°	739.3	752.2	803.8	836.1	870.9	899.3	931.6	965.1	998.7	1060.6	1166.4
17.5°	763.8	779.3	834.8	870.9	898.0	930.3	953.5	985.8	1007.7	1056.7	1107.0
20°	821.9	840.0	905.8	940.6	962.5	983.2	1001.2	1020.6	1029.6	1041.2	1032.2
22.5°	914.8	936.7	1011.6	1051.6	1067.0	1082.5	1083.8	1086.4	1080.0	1049.0	979.3
25°	1047.7	1069.6	1154.8	1193.5	1193.5	1193.5	1179.3	1169.0	1139.3	1081.2	965.1
27.5°	1171.6	1199.9	1301.9	1326.4	1318.6	1307.0	1279.9	1254.1	1211.6	1114.8	963.8
30°	1264.5	1292.8	1387.0	1406.4	1387.0	1358.6	1316.1	1278.7	1228.3	1131.6	972.9
32.5°	1349.6	1383.2	1473.5	1476.1	1441.2	1409.0	1361.2	1318.6	1265.7	1162.5	1000.0
35°	1439.9	1473.5	1565.1	1547.0	1496.7	1452.8	1403.8	1366.4	1313.5	1202.5	1043.8
37.5°	1565.1	1594.8	1672.2	1629.6	1565.1	1508.3	1455.4	1406.4	1353.5	1256.7	1117.4
40°	1686.4	1729.0	1799.9	1731.5	1652.8	1576.7	1518.6	1467.0	1409.0	1330.3	1211.6
42.5°	1799.9	1839.9	1905.7	1818.0	1726.4	1650.2	1589.6	1534.1	1478.6	1414.1	1325.1
45°	1886.4	1927.7	1983.1	1890.2	1785.7	1707.0	1641.2	1592.2	1543.2	1499.3	1468.3
47.5°	1970.2	2011.5	2054.1	1953.5	1850.2	1770.2	1692.8	1647.7	1609.0	1585.7	1623.2
50°	2078.6	2107.0	2143.1	2034.7	1925.1	1833.5	1756.0	1721.2	1685.1	1692.8	1818.0
52.5°	2225.7	2250.2	2263.1	2157.3	2034.7	1930.2	1845.1	1797.3	1767.7	1812.8	2024.4
55°	2433.4	2468.3	2439.9	2335.4	2180.5	2061.8	1957.3	1900.6	1882.5	1943.1	2230.9
57.5°	2612.8	2628.3	2607.6	2504.4	2345.7	2212.8	2101.8	2042.5	2021.8	2101.8	2419.2
60°	2691.5	2710.8	2739.2	2650.2	2501.8	2370.2	2274.7	2216.7	2181.8	2274.7	2570.2
62.5°	2704.4	2736.6	2806.3	2761.2	2643.7	2545.7	2459.2	2379.2	2352.2	2423.1	2669.6
65°	2654.1	2703.1	2810.2	2793.4	2727.6	2690.2	2617.9	2556.0	2504.4	2512.1	2664.4
67.5°	2540.5	2597.3	2722.5	2714.7	2722.5	2722.5	2659.2	2607.6	2540.5	2445.0	2468.3
70°	2267.0	2341.8	2486.3	2523.8	2589.6	2589.6	2534.1	2455.4	2378.0	2181.8	2063.1
72.5°	1816.7	1867.0	2088.9	2270.9	2354.7	2321.2	2267.0	2135.4	1965.1	1749.6	1588.3
75°	1229.6	1259.3	1531.5	1864.4	2016.7	1988.3	1899.3	1735.4	1559.9	1319.9	1116.1
77.5°	685.1	723.8	927.7	1188.3	1393.5	1389.6	1378.0	1273.5	1134.1	935.4	829.6
80°	402.6	415.5	522.6	712.2	889.0	846.4	816.7	734.2	663.2	572.9	654.2
82.5°	246.4	233.5	296.8	433.5	525.1	507.1	456.8	425.8	392.2	367.7	434.8
85°	67.1	60.6	121.3	181.9	223.2	241.3	241.3	238.7	214.2	161.3	193.5
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°	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9
2.5°	1050.3	1051.6	1047.7	1056.7	1046.4	1041.2	1025.8	1025.8	1012.9	1002.5	990.9
5°	1172.8	1180.6	1174.1	1175.4	1154.8	1134.1	1103.2	1085.1	1052.9	1018.0	981.9
7.5°	1255.4	1268.3	1263.2	1241.2	1209.0	1165.1	1113.5	1064.5	1011.6	954.8	901.9
10°	1277.4	1291.6	1279.9	1238.7	1185.8	1123.8	1061.9	996.1	931.6	870.9	814.2
12.5°	1246.4	1256.7	1232.2	1187.0	1135.4	1073.5	1009.0	952.2	876.1	811.6	745.8
15°	1167.7	1161.2	1158.7	1126.4	1090.3	1040.0	979.3	921.2	850.3	784.5	714.8
17.5°	1082.5	1074.8	1077.4	1064.5	1059.3	1036.1	990.9	941.9	878.7	798.7	723.8
20°	1007.7	1000.0	1003.8	1010.3	1029.6	1030.9	1023.2	990.9	944.5	860.6	769.0
22.5°	943.2	944.5	957.4	975.4	1007.7	1049.0	1081.2	1087.7	1055.4	957.4	842.5
25°	923.8	917.4	931.6	961.2	1015.4	1095.4	1167.7	1203.8	1185.8	1087.7	947.1
27.5°	917.4	908.3	923.8	962.5	1049.0	1161.2	1264.5	1318.6	1325.1	1224.5	1059.3
30°	917.4	913.5	929.0	979.3	1070.9	1183.2	1298.0	1379.3	1405.1	1321.2	1157.4
32.5°	929.0	931.6	958.7	1023.2	1117.4	1232.2	1350.9	1438.6	1485.1	1421.9	1236.1
35°	954.8	960.0	998.7	1073.5	1175.4	1291.6	1399.9	1489.0	1563.8	1530.3	1309.6
37.5°	1010.3	1018.0	1065.8	1141.9	1234.8	1339.3	1445.1	1540.6	1649.0	1634.8	1387.0
40°	1108.3	1108.3	1156.1	1221.9	1298.0	1378.0	1482.5	1594.8	1727.7	1747.0	1482.5
42.5°	1232.2	1227.0	1258.0	1305.7	1358.6	1425.7	1519.9	1645.1	1801.2	1843.8	1554.8
45°	1402.5	1376.7	1393.5	1405.1	1430.9	1472.2	1556.1	1692.8	1860.6	1916.0	1609.0
47.5°	1602.5	1566.4	1552.2	1530.3	1521.2	1536.7	1609.0	1730.2	1917.3	1978.0	1696.7
50°	1823.1	1788.3	1750.9	1691.5	1639.9	1624.4	1668.3	1780.6	1978.0	2055.4	1793.5
52.5°	2052.8	2028.3	1979.3	1886.4	1788.3	1732.8	1753.5	1864.4	2074.7	2175.4	1908.3
55°	2263.1	2270.9	2211.5	2103.1	1962.5	1877.3	1901.8	2012.8	2250.2	2368.9	2100.5
57.5°	2488.9	2468.3	2421.8	2309.6	2156.0	2064.4	2074.7	2208.9	2446.3	2536.7	2291.5
60°	2638.6	2638.6	2588.3	2503.1	2357.3	2272.2	2287.6	2411.5	2603.8	2612.8	2376.7
62.5°	2735.4	2749.6	2709.6	2648.9	2507.0	2436.0	2488.9	2576.7	2681.2	2606.3	2334.1
65°	2688.9	2704.4	2700.5	2633.4	2532.8	2527.6	2623.1	2643.7	2634.7	2512.1	2187.0
67.5°	2478.6	2447.6	2446.3	2411.5	2390.9	2497.9	2619.2	2625.7	2473.4	2327.6	1954.7
70°	2078.6	2025.7	2005.1	2015.4	2109.6	2309.6	2482.5	2433.4	2190.9	2065.7	1664.4
72.5°	1602.5	1539.3	1526.4	1566.4	1712.2	1993.5	2229.6	2161.2	1801.2	1655.4	1289.0
75°	1136.7	1109.6	1110.9	1189.6	1347.0	1618.0	1892.8	1886.4	1334.1	1141.9	887.7
77.5°	827.1	832.2	855.4	886.4	1021.9	1283.8	1541.9	1525.1	949.6	784.5	620.6
80°	682.5	690.3	690.3	673.5	708.4	847.7	1047.7	1118.7	636.1	527.7	433.5
82.5°	490.3	529.0	550.9	523.8	510.9	558.7	656.7	703.2	396.1	332.9	303.2
85°	233.5	267.1	274.8	268.4	308.4	352.2	375.5	384.5	216.8	154.8	198.7
87.5°	0.0	0.0	1.3	10.3	28.4	49.0	49.0	74.8	11.6	3.9	9.0
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):

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°
0°	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9
2.5°	975.4	958.7	945.8	930.3	917.4	904.5	895.4	876.1	860.6	825.8	816.7
5°	952.2	916.1	891.6	868.3	838.7	818.0	796.1	769.0	739.3	689.0	673.5
7.5°	860.6	815.4	781.9	748.4	709.6	674.8	642.6	606.4	554.8	500.6	480.0
10°	761.3	713.5	667.1	627.1	580.6	541.9	513.5	487.7	446.4	405.1	378.0
12.5°	680.0	625.8	572.9	532.9	508.4	489.0	468.4	447.7	403.9	357.4	325.1
15°	642.6	579.3	532.9	499.3	477.4	454.2	429.7	406.4	354.8	300.6	261.9
17.5°	647.7	575.5	516.1	470.9	441.3	409.0	380.6	351.0	294.2	229.7	194.8
20°	676.1	579.3	498.0	445.1	402.6	361.3	325.1	287.7	218.1	167.7	143.2
22.5°	712.2	592.2	487.7	419.3	366.4	314.8	268.4	224.5	161.3	131.6	120.0
25°	774.2	621.9	485.1	396.1	331.6	269.7	221.9	175.5	130.3	116.1	109.7
27.5°	851.6	655.5	487.7	379.3	301.9	233.5	180.6	145.8	117.4	109.7	104.5
30°	929.0	690.3	476.1	353.5	267.1	200.0	154.8	132.9	116.1	107.1	98.1
32.5°	997.4	716.1	456.8	326.4	236.1	170.3	131.6	113.5	101.9	91.6	89.0
35°	1046.4	727.7	434.8	309.7	215.5	152.3	116.1	101.9	90.3	80.0	74.8
37.5°	1092.9	729.0	411.6	294.2	207.7	144.5	107.1	94.2	83.9	74.8	69.7
40°	1140.6	723.8	398.7	278.7	196.1	140.6	103.2	87.7	81.3	71.0	65.8
42.5°	1175.4	714.8	393.5	269.7	185.8	130.3	100.6	86.4	77.4	69.7	63.2
45°	1207.7	705.8	393.5	261.9	178.1	123.9	95.5	87.7	74.8	68.4	60.6
47.5°	1246.4	709.6	394.8	255.5	171.6	117.4	90.3	85.2	76.1	67.1	59.4
50°	1312.2	753.5	401.3	251.6	166.4	112.3	86.4	81.3	83.9	65.8	58.1
52.5°	1425.7	823.2	411.6	249.0	161.3	108.4	81.3	78.7	85.2	65.8	56.8
55°	1574.1	894.2	421.9	242.6	153.5	100.6	78.7	73.5	78.7	65.8	55.5
57.5°	1718.6	947.1	430.9	233.5	140.6	92.9	74.8	69.7	72.3	64.5	52.9
60°	1802.5	988.3	440.0	218.1	125.2	83.9	71.0	65.8	64.5	64.5	51.6
62.5°	1825.7	972.9	434.8	198.7	112.3	77.4	67.1	61.9	58.1	65.8	51.6
65°	1752.2	891.6	415.5	181.9	103.2	74.8	63.2	59.4	55.5	56.8	49.0
67.5°	1526.4	749.6	362.6	166.4	101.9	73.5	60.6	56.8	51.6	50.3	46.4
70°	1245.1	588.4	300.6	154.8	100.6	73.5	58.1	52.9	49.0	45.2	42.6
72.5°	957.4	440.0	252.9	149.7	101.9	72.3	54.2	47.7	43.9	41.3	38.7
75°	673.5	311.0	210.3	134.2	95.5	68.4	50.3	42.6	38.7	36.1	33.5
77.5°	487.7	211.6	156.1	108.4	81.3	59.4	43.9	36.1	32.3	31.0	28.4
80°	311.0	130.3	104.5	80.0	59.4	46.4	33.5	28.4	25.8	23.2	21.9
82.5°	179.3	76.1	63.2	54.2	38.7	31.0	24.5	21.9	16.8	15.5	14.2
85°	109.7	47.7	34.8	28.4	24.5	19.4	14.2	12.9	9.0	7.7	6.5
87.5°	24.5	10.3	9.0	6.5	7.7	6.5	3.9	2.6	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°	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9
2.5°	802.5	783.2	784.5	780.6	770.3	753.5	748.4	739.3	740.6	745.8	740.6
5°	655.5	632.2	634.8	633.5	623.2	611.6	602.6	590.9	587.1	590.9	584.5
7.5°	464.5	449.0	454.2	465.8	464.5	458.0	450.3	437.4	434.8	436.1	424.5
10°	354.8	339.3	335.5	334.2	331.6	327.7	317.4	307.1	303.2	304.5	296.8
12.5°	296.8	283.9	268.4	254.2	241.3	236.1	223.2	216.8	215.5	215.5	211.6
15°	234.8	224.5	215.5	201.3	191.0	183.2	174.2	169.0	167.7	169.0	169.0
17.5°	175.5	170.3	166.4	165.2	160.0	154.8	149.7	147.1	145.8	145.8	147.1
20°	134.2	132.9	132.9	132.9	139.3	144.5	145.8	141.9	140.6	139.3	138.1
22.5°	116.1	114.8	116.1	123.9	120.0	116.1	116.1	116.1	116.1	116.1	117.4
25°	107.1	108.4	109.7	105.8	101.9	99.4	98.1	98.1	96.8	96.8	98.1
27.5°	101.9	100.6	99.4	96.8	94.2	90.3	89.0	87.7	87.7	87.7	87.7
30°	95.5	94.2	92.9	90.3	86.4	81.3	80.0	80.0	78.7	80.0	80.0
32.5°	87.7	86.4	85.2	82.6	78.7	76.1	74.8	72.3	72.3	72.3	73.5
35°	71.0	69.7	69.7	71.0	71.0	69.7	69.7	67.1	67.1	67.1	67.1
37.5°	65.8	64.5	64.5	63.2	64.5	65.8	64.5	63.2	63.2	61.9	61.9
40°	61.9	61.9	60.6	59.4	59.4	61.9	60.6	59.4	58.1	58.1	58.1
42.5°	59.4	58.1	58.1	56.8	56.8	56.8	55.5	54.2	52.9	52.9	52.9
45°	56.8	56.8	55.5	54.2	52.9	52.9	50.3	49.0	49.0	49.0	50.3
47.5°	55.5	54.2	54.2	52.9	51.6	49.0	47.7	46.4	46.4	46.4	46.4
50°	54.2	52.9	51.6	51.6	49.0	47.7	46.4	45.2	45.2	45.2	45.2
52.5°	52.9	51.6	50.3	49.0	47.7	46.4	45.2	43.9	43.9	43.9	43.9
55°	50.3	49.0	49.0	47.7	47.7	46.4	45.2	43.9	43.9	43.9	42.6
57.5°	49.0	47.7	46.4	46.4	46.4	45.2	43.9	42.6	42.6	42.6	42.6
60°	47.7	46.4	46.4	45.2	45.2	43.9	43.9	42.6	41.3	41.3	40.0
62.5°	46.4	45.2	45.2	43.9	45.2	43.9	42.6	41.3	40.0	40.0	38.7
65°	45.2	43.9	43.9	43.9	42.6	42.6	41.3	38.7	38.7	38.7	37.4
67.5°	42.6	41.3	41.3	42.6	41.3	40.0	40.0	37.4	37.4	36.1	36.1
70°	38.7	38.7	38.7	40.0	38.7	37.4	37.4	36.1	34.8	33.5	33.5
72.5°	36.1	34.8	36.1	36.1	36.1	34.8	36.1	33.5	32.3	31.0	31.0
75°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	29.7	28.4	27.1
77.5°	24.5	25.8	25.8	25.8	25.8	27.1	25.8	25.8	25.8	24.5	23.2
80°	18.1	18.1	19.4	20.6	19.4	20.6	19.4	20.6	19.4	19.4	19.4
82.5°	10.3	10.3	11.6	12.9	12.9	14.2	11.6	12.9	12.9	14.2	12.9
85°	3.9	3.9	3.9	3.9	5.2	5.2	3.9	5.2	5.2	6.5	6.5
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°	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9
2.5°	750.9	750.9	735.5	738.0	740.6	745.8	743.2	741.9	740.6	748.4	752.2
5°	589.7	588.4	569.0	567.7	571.6	572.9	569.0	562.6	558.7	560.0	563.8
7.5°	428.4	424.5	406.4	403.9	402.6	403.9	400.0	393.5	388.4	389.7	393.5
10°	299.3	289.0	286.4	287.7	290.3	292.9	292.9	292.9	294.2	301.9	311.0
12.5°	216.8	212.9	215.5	218.1	223.2	227.1	231.0	232.2	233.5	243.9	251.6
15°	171.6	171.6	174.2	175.5	178.1	180.6	183.2	183.2	184.5	188.4	194.8
17.5°	148.4	148.4	148.4	148.4	148.4	147.1	145.8	143.2	141.9	140.6	141.9
20°	136.8	135.5	132.9	131.6	129.0	126.4	125.2	121.3	120.0	116.1	114.8
22.5°	117.4	116.1	116.1	116.1	116.1	114.8	113.5	112.3	109.7	105.8	103.2
25°	96.8	96.8	96.8	98.1	98.1	99.4	101.9	101.9	101.9	101.9	98.1
27.5°	87.7	87.7	87.7	87.7	89.0	89.0	90.3	90.3	90.3	91.6	92.9
30°	80.0	81.3	81.3	82.6	82.6	83.9	83.9	85.2	85.2	86.4	86.4
32.5°	73.5	73.5	74.8	76.1	76.1	76.1	78.7	78.7	77.4	78.7	78.7
35°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	63.2	61.9	63.2
37.5°	60.6	59.4	59.4	58.1	56.8	56.8	56.8	58.1	56.8	58.1	58.1
40°	55.5	55.5	54.2	54.2	54.2	54.2	54.2	54.2	54.2	55.5	56.8
42.5°	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	52.9	52.9
45°	49.0	49.0	49.0	49.0	50.3	50.3	50.3	50.3	50.3	50.3	51.6
47.5°	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	49.0	50.3
50°	45.2	45.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	47.7	49.0
52.5°	43.9	43.9	43.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	46.4
55°	42.6	43.9	43.9	43.9	43.9	43.9	42.6	42.6	42.6	42.6	43.9
57.5°	41.3	41.3	42.6	42.6	42.6	41.3	41.3	40.0	40.0	40.0	42.6
60°	40.0	40.0	40.0	40.0	40.0	38.7	38.7	38.7	38.7	40.0	40.0
62.5°	38.7	38.7	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
65°	37.4	37.4	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
67.5°	34.8	34.8	34.8	33.5	33.5	33.5	33.5	34.8	33.5	33.5	33.5
70°	32.3	32.3	32.3	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
72.5°	29.7	29.7	29.7	29.7	28.4	28.4	28.4	28.4	28.4	28.4	28.4
75°	27.1	25.8	25.8	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
77.5°	23.2	21.9	21.9	21.9	20.6	20.6	20.6	20.6	20.6	20.6	20.6
80°	19.4	18.1	18.1	16.8	16.8	16.8	16.8	16.8	16.8	15.5	15.5
82.5°	14.2	12.9	12.9	12.9	12.9	11.6	11.6	11.6	11.6	10.3	9.0
85°	6.5	6.5	5.2	6.5	6.5	7.7	6.5	6.5	6.5	5.2	2.6
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°	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	0°
2.5°	749.6	762.5	763.8	756.1	771.6	774.2	770.3	770.3	772.9	783.2	783.2	2.5°
5°	558.7	575.5	574.2	563.8	584.5	590.9	587.1	588.4	593.5	605.1	611.6	5°
7.5°	394.8	409.0	407.7	406.4	419.3	424.5	427.1	430.9	446.4	447.7	455.5	7.5°
10°	320.0	332.9	336.8	345.8	349.7	357.4	362.6	369.0	381.9	388.4	397.4	10°
12.5°	259.3	274.8	278.7	289.0	294.2	303.2	308.4	321.3	329.0	336.8	348.4	12.5°
15°	200.0	212.9	216.8	224.5	229.7	240.0	245.2	252.9	268.4	276.1	291.6	15°
17.5°	147.1	154.8	157.4	162.6	166.4	170.3	180.6	193.5	202.6	215.5	223.2	17.5°
20°	114.8	117.4	118.7	120.0	122.6	125.2	130.3	139.3	144.5	154.8	162.6	20°
22.5°	103.2	104.5	104.5	105.8	105.8	107.1	109.7	112.3	114.8	118.7	122.6	22.5°
25°	95.5	96.8	96.8	98.1	98.1	99.4	100.6	101.9	104.5	105.8	107.1	25°
27.5°	91.6	91.6	91.6	91.6	92.9	92.9	94.2	96.8	96.8	99.4	100.6	27.5°
30°	87.7	87.7	87.7	89.0	90.3	92.9	95.5	99.4	100.6	103.2	104.5	30°
32.5°	81.3	78.7	81.3	80.0	77.4	77.4	78.7	81.3	81.3	82.6	83.9	32.5°
35°	63.2	63.2	64.5	65.8	65.8	67.1	68.4	69.7	71.0	73.5	74.8	35°
37.5°	59.4	60.6	60.6	61.9	63.2	63.2	64.5	67.1	68.4	69.7	71.0	37.5°
40°	56.8	58.1	59.4	60.6	60.6	61.9	63.2	64.5	65.8	68.4	69.7	40°
42.5°	54.2	56.8	56.8	58.1	59.4	60.6	61.9	63.2	65.8	67.1	68.4	42.5°
45°	52.9	54.2	55.5	56.8	58.1	59.4	60.6	63.2	64.5	67.1	68.4	45°
47.5°	51.6	52.9	54.2	55.5	56.8	58.1	59.4	61.9	64.5	67.1	69.7	47.5°
50°	49.0	51.6	52.9	54.2	55.5	56.8	59.4	61.9	64.5	68.4	74.8	50°
52.5°	47.7	50.3	50.3	52.9	54.2	56.8	59.4	61.9	65.8	71.0	77.4	52.5°
55°	45.2	47.7	47.7	50.3	52.9	55.5	56.8	60.6	64.5	69.7	71.0	55°
57.5°	42.6	45.2	46.4	47.7	50.3	52.9	54.2	58.1	63.2	64.5	63.2	57.5°
60°	41.3	42.6	43.9	45.2	47.7	49.0	52.9	60.6	65.8	60.6	54.2	60°
62.5°	38.7	41.3	42.6	43.9	46.4	47.7	50.3	55.5	56.8	50.3	49.0	62.5°
65°	37.4	40.0	40.0	42.6	43.9	43.9	45.2	45.2	45.2	45.2	45.2	65°
67.5°	34.8	37.4	37.4	38.7	40.0	40.0	41.3	41.3	41.3	41.3	41.3	67.5°
70°	32.3	33.5	34.8	36.1	36.1	36.1	37.4	37.4	37.4	38.7	38.7	70°
72.5°	29.7	31.0	31.0	32.3	32.3	33.5	33.5	34.8	34.8	34.8	36.1	72.5°
75°	24.5	25.8	27.1	28.4	28.4	29.7	29.7	29.7	29.7	31.0	31.0	75°
77.5°	20.6	20.6	23.2	23.2	24.5	24.5	25.8	25.8	25.8	25.8	25.8	77.5°
80°	15.5	15.5	16.8	18.1	19.4	19.4	19.4	19.4	19.4	19.4	19.4	80°
82.5°	9.0	9.0	10.3	10.3	11.6	11.6	12.9	11.6	11.6	10.3	10.3	82.5°
85°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.3	1.3	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°
901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	0°	901.9
802.5	802.5	805.1	815.4	818.0	824.5	823.2	834.8	840.0	870.9	903.2	2.5°	934.2
634.8	640.0	647.7	660.6	668.4	682.5	680.0	703.2	707.1	763.8	819.3	5°	883.8
473.5	481.3	487.7	501.9	513.5	527.7	531.6	558.7	566.4	641.3	718.7	7.5°	807.7
410.3	416.8	425.8	434.8	446.4	452.9	463.2	476.1	485.1	540.6	629.6	10°	731.6
365.1	374.2	383.2	396.1	407.7	419.3	429.7	442.6	454.2	499.3	569.0	12.5°	686.4
309.7	320.0	330.3	344.5	361.3	372.9	384.5	398.7	412.9	468.4	549.7	15°	668.4
240.0	251.6	265.8	285.1	303.2	317.4	329.0	348.4	366.4	433.5	540.6	17.5°	686.4
176.8	187.1	200.0	216.8	229.7	254.2	267.1	290.3	312.2	396.1	527.7	20°	721.3
130.3	136.8	147.1	160.0	174.2	196.1	210.3	231.0	255.5	361.3	527.7	22.5°	780.6
109.7	112.3	116.1	123.9	132.9	148.4	162.6	183.2	207.7	330.3	541.9	25°	877.4
101.9	103.2	105.8	109.7	114.8	122.6	132.9	149.7	174.2	305.8	562.6	27.5°	980.6
107.1	107.1	107.1	108.4	111.0	114.8	120.0	130.3	145.8	269.7	576.7	30°	1070.9
86.4	87.7	87.7	90.3	91.6	96.8	101.9	109.7	123.9	247.7	585.8	32.5°	1135.4
77.4	78.7	80.0	81.3	83.9	85.2	90.3	99.4	113.5	233.5	584.5	35°	1211.6
73.5	74.8	76.1	76.1	77.4	80.0	83.9	92.9	109.7	228.4	584.5	37.5°	1299.3
72.3	72.3	72.3	72.3	74.8	77.4	83.9	92.9	107.1	223.2	588.4	40°	1396.1
69.7	69.7	69.7	71.0	74.8	80.0	82.6	87.7	99.4	220.6	594.8	42.5°	1483.8
69.7	69.7	71.0	76.1	77.4	77.4	78.7	82.6	94.2	220.6	607.7	45°	1552.2
72.3	74.8	76.1	74.8	73.5	73.5	73.5	78.7	90.3	224.5	632.2	47.5°	1630.9
78.7	77.4	72.3	71.0	71.0	68.4	69.7	74.8	89.0	224.5	682.5	50°	1739.3
77.4	72.3	71.0	68.4	65.8	64.5	65.8	73.5	87.7	221.9	754.8	52.5°	1898.0
69.7	68.4	64.5	61.9	60.6	61.9	64.5	71.0	85.2	219.3	843.8	55°	2090.2
60.6	59.4	56.8	56.8	58.1	59.4	63.2	68.4	78.7	212.9	914.8	57.5°	2267.0
52.9	52.9	52.9	54.2	55.5	56.8	60.6	64.5	72.3	201.3	962.5	60°	2380.5
47.7	49.0	49.0	51.6	52.9	54.2	56.8	60.6	65.8	188.4	972.9	62.5°	2381.8
45.2	46.4	47.7	47.7	49.0	50.3	54.2	58.1	65.8	178.1	909.6	65°	2287.6
42.6	42.6	43.9	45.2	46.4	47.7	50.3	56.8	67.1	169.0	771.6	67.5°	2048.9
38.7	40.0	41.3	42.6	42.6	43.9	47.7	56.8	68.4	165.2	612.9	70°	1730.2
36.1	36.1	37.4	38.7	38.7	41.3	45.2	55.5	69.7	158.7	461.9	72.5°	1349.6
31.0	32.3	32.3	32.3	33.5	36.1	41.3	50.3	60.6	131.6	312.2	75°	914.8
27.1	25.8	27.1	27.1	28.4	29.7	33.5	38.7	45.2	83.9	165.2	77.5°	581.9
19.4	18.1	18.1	19.4	19.4	19.4	21.9	23.2	25.8	51.6	91.6	80°	343.2
10.3	9.0	10.3	9.0	9.0	10.3	10.3	12.9	12.9	24.5	41.3	82.5°	212.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	9.0	85°	86.4
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



'228483
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TION (continued):

359°	360°
901.9	901.9
949.6	957.4
916.1	926.4
843.8	858.0
776.7	790.9
740.6	748.4
723.8	739.3
748.4	763.8
797.4	821.9
883.8	914.8
1020.6	1047.7
1129.0	1171.6
1229.6	1264.5
1309.6	1349.6
1401.2	1439.9
1512.2	1565.1
1627.0	1686.4
1734.1	1799.9
1834.8	1886.4
1912.2	1970.2
2010.2	2078.6
2176.7	2225.7
2378.0	2433.4
2565.0	2612.8
2651.5	2691.5
2654.1	2704.4
2597.3	2654.1
2452.8	2540.5
2168.9	2267.0
1704.4	1816.7
1131.6	1229.6
652.9	685.1
385.8	402.6
229.7	246.4
61.9	67.1
0.0	0.0
0.0	0.0

(END OF REPORT)