

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: P228476

Luminaire Tested: **ISS-AF-800-LED-E1-SLL-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228476
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-800-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: 3329 lumens
Efficiency: N/A
Efficacy: 76.5 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

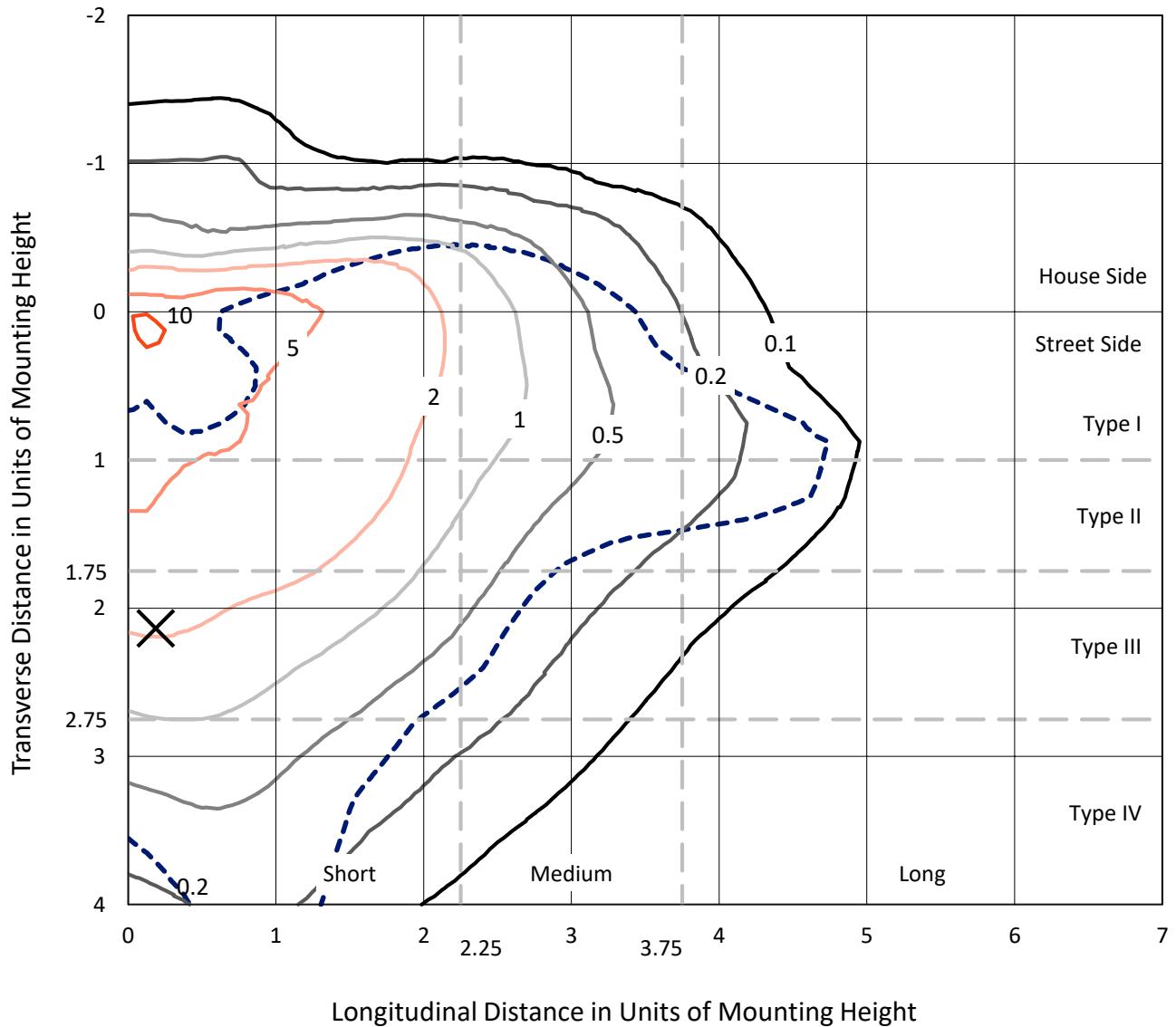
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

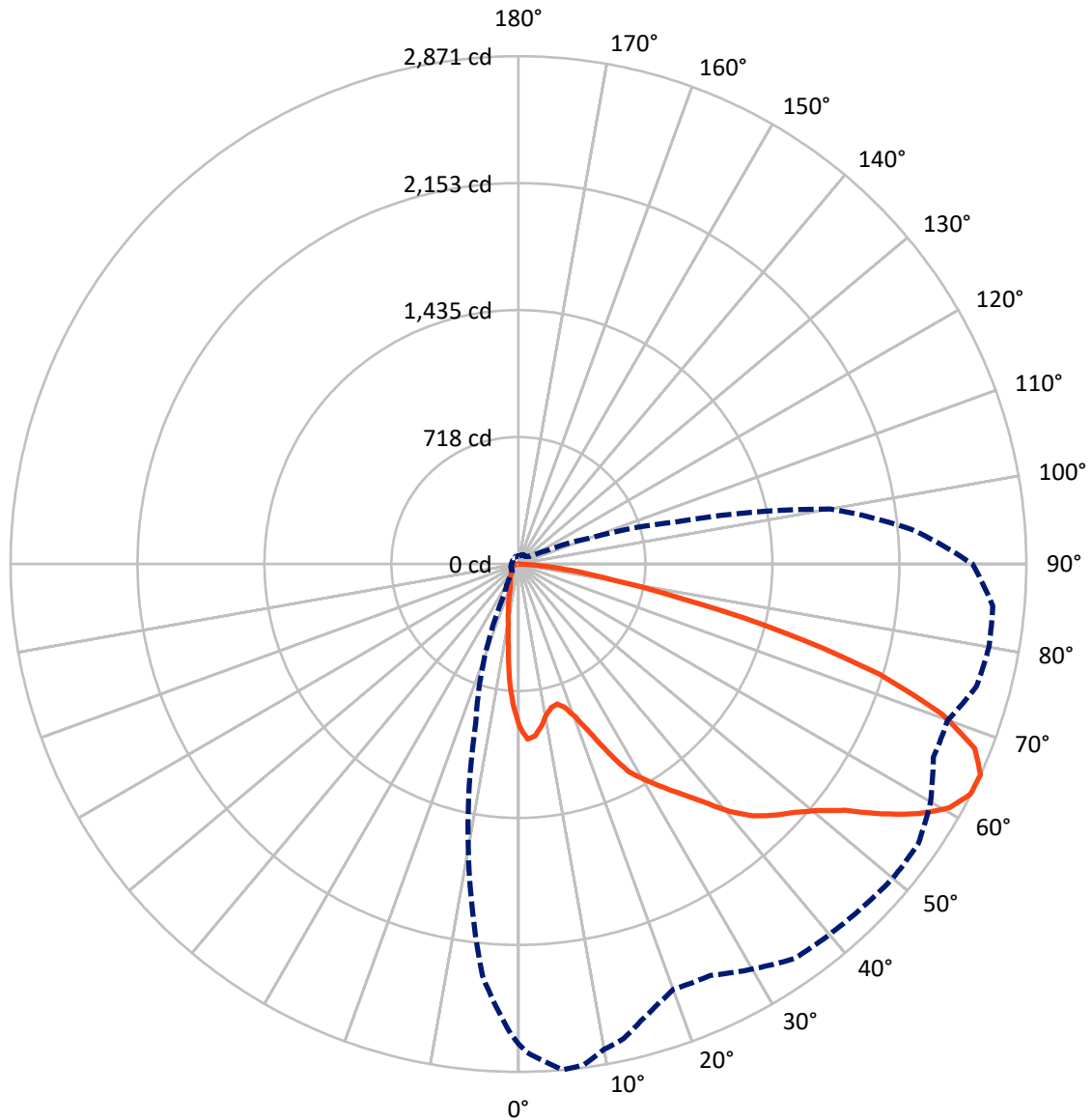
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 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	553.5	0.0	553.5
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	2775.5	0.0	2775.5
	% Fixture	83.4	0.0	83.4
Total	Lumens	3329.0	0.0	3329.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	2.1
10°-20°	145.8	4.4
20°-30°	211.9	6.4
30°-40°	313.4	9.4
40°-50°	456.6	13.7
50°-60°	684.5	20.6
60°-70°	853.0	25.6
70°-80°	499.7	15.0
80°-90°	93.4	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°	3329.0	100.0
0°-180°	3329.0	100.0



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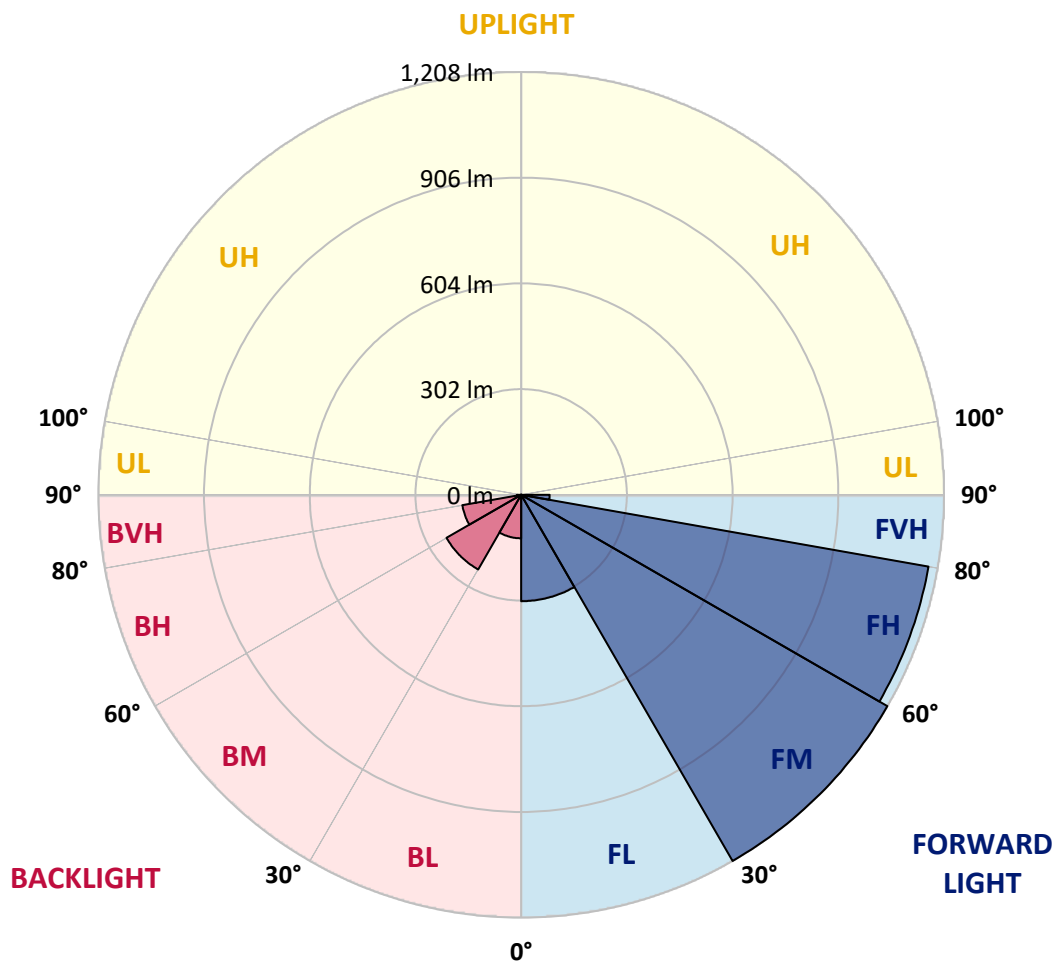
CATALOG NUMBER: ISS-AF-800-LED-E1-SLL-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	304.1	9.1			
FM	(30°-60°)	1208.2	36.3			
FH	(60°-80°)	1181.8	35.5			G1/1800
FVH	(80°-90°)	81.4	2.4			G1/100
BL	(0°-30°)	124.3	3.7	B1/500		
BM	(30°-60°)	246.4	7.4	B1/1000		
BH	(60°-80°)	170.8	5.1	B1/500		G1/500
BVH	(80°-90°)	12.0	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°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3
2.5°	977.9	975.3	991.1	993.8	1004.3	1004.3	1016.2	1026.7	1030.7	1039.9	1063.6
5°	946.3	954.2	976.6	999.0	1014.8	1030.7	1047.8	1068.9	1086.0	1115.0	1175.6
7.5°	876.5	888.3	926.5	948.9	974.0	1001.7	1022.8	1047.8	1074.2	1122.9	1231.0
10°	807.9	817.1	865.9	893.6	929.2	958.2	988.5	1016.2	1045.2	1105.8	1231.0
12.5°	764.4	776.3	831.6	858.0	898.9	929.2	966.1	999.0	1033.3	1097.9	1219.1
15°	755.2	768.4	821.1	854.0	889.6	918.6	951.6	985.8	1020.1	1083.4	1191.5
17.5°	780.2	796.1	852.7	889.6	917.3	950.3	974.0	1006.9	1029.3	1079.4	1130.8
20°	839.6	858.0	925.2	960.8	983.2	1004.3	1022.8	1042.5	1051.7	1063.6	1054.4
22.5°	934.4	956.9	1033.3	1074.2	1090.0	1105.8	1107.1	1109.7	1103.1	1071.5	1000.3
25°	1070.2	1092.6	1179.6	1219.1	1219.1	1219.1	1204.6	1194.1	1163.8	1104.5	985.8
27.5°	1196.7	1225.7	1329.8	1354.9	1347.0	1335.1	1307.4	1281.1	1237.6	1138.7	984.5
30°	1291.6	1320.6	1416.8	1436.6	1416.8	1387.8	1344.3	1306.1	1254.7	1155.9	993.8
32.5°	1378.6	1412.9	1505.1	1507.8	1472.2	1439.2	1390.5	1347.0	1292.9	1187.5	1021.4
35°	1470.9	1505.1	1598.7	1580.3	1528.9	1484.0	1434.0	1395.7	1341.7	1228.4	1066.2
37.5°	1598.7	1629.0	1708.1	1664.6	1598.7	1540.7	1486.7	1436.6	1382.6	1283.7	1141.4
40°	1722.6	1766.1	1838.6	1768.7	1688.3	1610.6	1551.3	1498.5	1439.2	1358.8	1237.6
42.5°	1838.6	1879.4	1946.7	1857.0	1763.5	1685.7	1623.7	1567.1	1510.4	1444.5	1353.6
45°	1926.9	1969.1	2025.7	1930.8	1824.1	1743.7	1676.5	1626.4	1576.3	1531.5	1499.9
47.5°	2012.6	2054.7	2098.2	1995.4	1890.0	1808.3	1729.2	1683.1	1643.5	1619.8	1658.0
50°	2123.3	2152.3	2189.2	2078.4	1966.4	1872.8	1793.8	1758.2	1721.3	1729.2	1857.0
52.5°	2273.5	2298.6	2311.7	2203.7	2078.4	1971.7	1884.7	1835.9	1805.6	1851.8	2067.9
55°	2485.7	2521.3	2492.3	2385.5	2227.4	2106.1	1999.4	1941.4	1922.9	1984.9	2278.8
57.5°	2668.9	2684.7	2663.6	2558.2	2396.1	2260.3	2147.0	2086.4	2065.3	2147.0	2471.2
60°	2749.3	2769.1	2798.1	2707.1	2555.6	2421.1	2323.6	2264.3	2228.7	2323.6	2625.4
62.5°	2762.5	2795.4	2866.6	2820.5	2700.5	2600.4	2512.1	2430.3	2402.7	2475.2	2726.9
65°	2711.1	2761.2	2870.6	2853.4	2786.2	2748.0	2674.2	2610.9	2558.2	2566.1	2721.6
67.5°	2595.1	2653.1	2780.9	2773.0	2780.9	2780.9	2716.4	2663.6	2595.1	2497.6	2521.3
70°	2315.7	2392.1	2539.7	2578.0	2645.2	2645.2	2588.5	2508.1	2429.0	2228.7	2107.4
72.5°	1855.7	1907.1	2133.8	2319.6	2405.3	2371.0	2315.7	2181.3	2007.3	1787.2	1622.4
75°	1256.0	1286.3	1564.4	1904.5	2060.0	2031.0	1940.1	1772.7	1593.4	1348.3	1140.1
77.5°	699.8	739.4	947.6	1213.9	1423.4	1419.5	1407.6	1300.8	1158.5	955.5	847.5
80°	411.2	424.4	533.8	727.5	908.1	864.6	834.3	749.9	677.4	585.2	668.2
82.5°	251.7	238.6	303.1	442.8	536.4	518.0	466.6	434.9	400.7	375.6	444.2
85°	68.5	61.9	123.9	185.8	228.0	246.5	246.5	243.8	218.8	164.7	197.7
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°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3
2.5°	1072.8	1074.2	1070.2	1079.4	1068.9	1063.6	1047.8	1047.8	1034.6	1024.1	1012.2
5°	1198.0	1205.9	1199.4	1200.7	1179.6	1158.5	1126.9	1108.4	1075.5	1039.9	1003.0
7.5°	1282.4	1295.6	1290.3	1267.9	1234.9	1190.1	1137.4	1087.3	1033.3	975.3	921.3
10°	1304.8	1319.3	1307.4	1265.3	1211.2	1148.0	1084.7	1017.5	951.6	889.6	831.6
12.5°	1273.2	1283.7	1258.7	1212.5	1159.8	1096.6	1030.7	972.7	894.9	829.0	761.8
15°	1192.8	1186.2	1183.5	1150.6	1113.7	1062.3	1000.3	941.0	868.5	801.3	730.2
17.5°	1105.8	1097.9	1100.5	1087.3	1082.1	1058.3	1012.2	962.1	897.5	815.8	739.4
20°	1029.3	1021.4	1025.4	1032.0	1051.7	1053.1	1045.2	1012.2	964.8	879.1	785.5
22.5°	963.4	964.8	977.9	996.4	1029.3	1071.5	1104.5	1111.1	1078.1	977.9	860.6
25°	943.7	937.1	951.6	981.9	1037.2	1119.0	1192.8	1229.7	1211.2	1111.1	967.4
27.5°	937.1	927.9	943.7	983.2	1071.5	1186.2	1291.6	1347.0	1353.6	1250.8	1082.1
30°	937.1	933.1	948.9	1000.3	1093.9	1208.6	1325.9	1408.9	1435.3	1349.6	1182.2
32.5°	948.9	951.6	979.3	1045.2	1141.4	1258.7	1379.9	1469.5	1517.0	1452.4	1262.6
35°	975.3	980.6	1020.1	1096.6	1200.7	1319.3	1430.0	1520.9	1597.4	1563.1	1337.7
37.5°	1032.0	1039.9	1088.6	1166.4	1261.3	1368.1	1476.1	1573.7	1684.4	1669.9	1416.8
40°	1132.1	1132.1	1180.9	1248.1	1325.9	1407.6	1514.4	1629.0	1764.8	1784.5	1514.4
42.5°	1258.7	1253.4	1285.0	1333.8	1387.8	1456.4	1552.6	1680.4	1839.9	1883.4	1588.2
45°	1432.6	1406.3	1423.4	1435.3	1461.6	1503.8	1589.5	1729.2	1900.5	1957.2	1643.5
47.5°	1636.9	1600.0	1585.5	1563.1	1553.9	1569.7	1643.5	1767.4	1958.5	2020.5	1733.1
50°	1862.3	1826.7	1788.5	1727.9	1675.1	1659.3	1704.1	1818.8	2020.5	2099.5	1832.0
52.5°	2096.9	2071.9	2021.8	1926.9	1826.7	1770.0	1791.1	1904.5	2119.3	2222.1	1949.3
55°	2311.7	2319.6	2259.0	2148.3	2004.6	1917.7	1942.7	2056.0	2298.6	2419.8	2145.7
57.5°	2542.4	2521.3	2473.8	2359.2	2202.3	2108.8	2119.3	2256.4	2498.9	2591.1	2340.7
60°	2695.3	2695.3	2643.9	2556.9	2407.9	2321.0	2336.8	2463.3	2659.7	2668.9	2427.7
62.5°	2794.1	2808.6	2767.8	2705.8	2560.8	2488.3	2542.4	2632.0	2738.8	2662.3	2384.2
65°	2746.7	2762.5	2758.5	2690.0	2587.2	2581.9	2679.4	2700.5	2691.3	2566.1	2234.0
67.5°	2531.8	2500.2	2498.9	2463.3	2442.2	2551.6	2675.5	2682.1	2526.6	2377.6	1996.7
70°	2123.3	2069.2	2048.1	2058.7	2154.9	2359.2	2535.8	2485.7	2237.9	2110.1	1700.2
72.5°	1636.9	1572.3	1559.2	1600.0	1749.0	2036.3	2277.5	2207.6	1839.9	1691.0	1316.7
75°	1161.1	1133.5	1134.8	1215.2	1376.0	1652.7	1933.5	1926.9	1362.8	1166.4	906.8
77.5°	844.8	850.1	873.8	905.5	1043.8	1311.4	1575.0	1557.8	970.0	801.3	633.9
80°	697.2	705.1	705.1	688.0	723.6	865.9	1070.2	1142.7	649.8	539.1	442.8
82.5°	500.8	540.4	562.8	535.1	521.9	570.7	670.9	718.3	404.6	340.0	309.7
85°	238.6	272.8	280.7	274.1	315.0	359.8	383.5	392.8	221.4	158.2	203.0
87.5°	0.0	0.0	1.3	10.5	29.0	50.1	50.1	76.4	11.9	4.0	9.2
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°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3
2.5°	996.4	979.3	966.1	950.3	937.1	923.9	914.7	894.9	879.1	843.5	834.3
5°	972.7	935.8	910.7	887.0	856.7	835.6	813.2	785.5	755.2	703.8	688.0
7.5°	879.1	833.0	798.7	764.4	724.9	689.3	656.4	619.4	566.7	511.4	490.3
10°	777.6	728.8	681.4	640.5	593.1	553.6	524.6	498.2	456.0	413.8	386.2
12.5°	694.6	639.2	585.2	544.3	519.3	499.5	478.4	457.3	412.5	365.1	332.1
15°	656.4	591.8	544.3	510.1	487.7	463.9	438.9	415.2	362.4	307.1	267.5
17.5°	661.6	587.8	527.2	481.1	450.7	417.8	388.8	358.5	300.5	234.6	199.0
20°	690.6	591.8	508.7	454.7	411.2	369.0	332.1	293.9	222.7	171.3	146.3
22.5°	727.5	605.0	498.2	428.3	374.3	321.6	274.1	229.3	164.7	134.4	122.6
25°	790.8	635.3	495.6	404.6	338.7	275.5	226.7	179.2	133.1	118.6	112.0
27.5°	869.9	669.5	498.2	387.5	308.4	238.6	184.5	148.9	119.9	112.0	106.8
30°	948.9	705.1	486.3	361.1	272.8	204.3	158.2	135.8	118.6	109.4	100.2
32.5°	1018.8	731.5	466.6	333.4	241.2	174.0	134.4	116.0	104.1	93.6	90.9
35°	1068.9	743.3	444.2	316.3	220.1	155.5	118.6	104.1	92.3	81.7	76.4
37.5°	1116.3	744.7	420.4	300.5	212.2	147.6	109.4	96.2	85.7	76.4	71.2
40°	1165.1	739.4	407.3	284.7	200.3	143.7	105.4	89.6	83.0	72.5	67.2
42.5°	1200.7	730.2	402.0	275.5	189.8	133.1	102.8	88.3	79.1	71.2	64.6
45°	1233.6	720.9	402.0	267.5	181.9	126.5	97.5	89.6	76.4	69.9	61.9
47.5°	1273.2	724.9	403.3	261.0	175.3	119.9	92.3	87.0	77.8	68.5	60.6
50°	1340.4	769.7	409.9	257.0	170.0	114.7	88.3	83.0	85.7	67.2	59.3
52.5°	1456.4	840.9	420.4	254.4	164.7	110.7	83.0	80.4	87.0	67.2	58.0
55°	1607.9	913.4	431.0	247.8	156.8	102.8	80.4	75.1	80.4	67.2	56.7
57.5°	1755.5	967.4	440.2	238.6	143.7	94.9	76.4	71.2	73.8	65.9	54.0
60°	1841.2	1009.6	449.4	222.7	127.8	85.7	72.5	67.2	65.9	65.9	52.7
62.5°	1864.9	993.8	444.2	203.0	114.7	79.1	68.5	63.3	59.3	67.2	52.7
65°	1789.8	910.7	424.4	185.8	105.4	76.4	64.6	60.6	56.7	58.0	50.1
67.5°	1559.2	765.7	370.4	170.0	104.1	75.1	61.9	58.0	52.7	51.4	47.4
70°	1271.8	601.0	307.1	158.2	102.8	75.1	59.3	54.0	50.1	46.1	43.5
72.5°	977.9	449.4	258.3	152.9	104.1	73.8	55.4	48.8	44.8	42.2	39.5
75°	688.0	317.6	214.8	137.1	97.5	69.9	51.4	43.5	39.5	36.9	34.3
77.5°	498.2	216.1	159.5	110.7	83.0	60.6	44.8	36.9	32.9	31.6	29.0
80°	317.6	133.1	106.8	81.7	60.6	47.4	34.3	29.0	26.4	23.7	22.4
82.5°	183.2	77.8	64.6	55.4	39.5	31.6	25.0	22.4	17.1	15.8	14.5
85°	112.0	48.8	35.6	29.0	25.0	19.8	14.5	13.2	9.2	7.9	6.6
87.5°	25.0	10.5	9.2	6.6	7.9	6.6	4.0	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°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3
2.5°	819.8	800.0	801.3	797.4	786.8	769.7	764.4	755.2	756.5	761.8	756.5
5°	669.5	645.8	648.4	647.1	636.6	624.7	615.5	603.6	599.7	603.6	597.0
7.5°	474.5	458.7	463.9	475.8	474.5	467.9	460.0	446.8	444.2	445.5	433.6
10°	362.4	346.6	342.7	341.4	338.7	334.8	324.2	313.7	309.7	311.0	303.1
12.5°	303.1	290.0	274.1	259.6	246.5	241.2	228.0	221.4	220.1	220.1	216.1
15°	239.9	229.3	220.1	205.6	195.1	187.2	177.9	172.7	171.3	172.7	172.7
17.5°	179.2	174.0	170.0	168.7	163.4	158.2	152.9	150.2	148.9	148.9	150.2
20°	137.1	135.8	135.8	135.8	142.3	147.6	148.9	145.0	143.7	142.3	141.0
22.5°	118.6	117.3	118.6	126.5	122.6	118.6	118.6	118.6	118.6	118.6	119.9
25°	109.4	110.7	112.0	108.1	104.1	101.5	100.2	100.2	98.8	98.8	100.2
27.5°	104.1	102.8	101.5	98.8	96.2	92.3	90.9	89.6	89.6	89.6	89.6
30°	97.5	96.2	94.9	92.3	88.3	83.0	81.7	81.7	80.4	81.7	81.7
32.5°	89.6	88.3	87.0	84.4	80.4	77.8	76.4	73.8	73.8	73.8	75.1
35°	72.5	71.2	71.2	72.5	72.5	71.2	71.2	68.5	68.5	68.5	68.5
37.5°	67.2	65.9	65.9	64.6	65.9	67.2	65.9	64.6	64.6	63.3	63.3
40°	63.3	63.3	61.9	60.6	60.6	63.3	61.9	60.6	59.3	59.3	59.3
42.5°	60.6	59.3	59.3	58.0	58.0	58.0	56.7	55.4	54.0	54.0	54.0
45°	58.0	58.0	56.7	55.4	54.0	54.0	51.4	50.1	50.1	50.1	51.4
47.5°	56.7	55.4	55.4	54.0	52.7	50.1	48.8	47.4	47.4	47.4	47.4
50°	55.4	54.0	52.7	52.7	50.1	48.8	47.4	46.1	46.1	46.1	46.1
52.5°	54.0	52.7	51.4	50.1	48.8	47.4	46.1	44.8	44.8	44.8	44.8
55°	51.4	50.1	50.1	48.8	48.8	47.4	46.1	44.8	44.8	44.8	43.5
57.5°	50.1	48.8	47.4	47.4	47.4	46.1	44.8	43.5	43.5	43.5	43.5
60°	48.8	47.4	47.4	46.1	46.1	44.8	44.8	43.5	42.2	42.2	40.9
62.5°	47.4	46.1	46.1	44.8	46.1	44.8	43.5	42.2	40.9	40.9	39.5
65°	46.1	44.8	44.8	44.8	43.5	43.5	42.2	39.5	39.5	39.5	38.2
67.5°	43.5	42.2	42.2	43.5	42.2	40.9	40.9	38.2	38.2	36.9	36.9
70°	39.5	39.5	39.5	40.9	39.5	38.2	38.2	36.9	35.6	34.3	34.3
72.5°	36.9	35.6	36.9	36.9	36.9	35.6	36.9	34.3	32.9	31.6	31.6
75°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	30.3	29.0	27.7
77.5°	25.0	26.4	26.4	26.4	26.4	27.7	26.4	26.4	26.4	25.0	23.7
80°	18.5	18.5	19.8	21.1	19.8	21.1	19.8	21.1	19.8	19.8	19.8
82.5°	10.5	10.5	11.9	13.2	13.2	14.5	11.9	13.2	13.2	14.5	13.2
85°	4.0	4.0	4.0	4.0	5.3	5.3	4.0	5.3	5.3	6.6	6.6
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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CANDELA DISTRIBUTION (continued):

	240°	242.5°	245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°
0°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3
2.5°	767.1	767.1	751.2	753.9	756.5	761.8	759.2	757.8	756.5	764.4	768.4
5°	602.3	601.0	581.2	579.9	583.9	585.2	581.2	574.6	570.7	572.0	576.0
7.5°	437.6	433.6	415.2	412.5	411.2	412.5	408.6	402.0	396.7	398.0	402.0
10°	305.8	295.2	292.6	293.9	296.5	299.2	299.2	299.2	300.5	308.4	317.6
12.5°	221.4	217.5	220.1	222.7	228.0	232.0	235.9	237.2	238.6	249.1	257.0
15°	175.3	175.3	177.9	179.2	181.9	184.5	187.2	187.2	188.5	192.4	199.0
17.5°	151.6	151.6	151.6	151.6	151.6	150.2	148.9	146.3	145.0	143.7	145.0
20°	139.7	138.4	135.8	134.4	131.8	129.2	127.8	123.9	122.6	118.6	117.3
22.5°	119.9	118.6	118.6	118.6	118.6	117.3	116.0	114.7	112.0	108.1	105.4
25°	98.8	98.8	98.8	100.2	100.2	101.5	104.1	104.1	104.1	104.1	100.2
27.5°	89.6	89.6	89.6	89.6	90.9	90.9	92.3	92.3	92.3	93.6	94.9
30°	81.7	83.0	83.0	84.4	84.4	85.7	85.7	87.0	87.0	88.3	88.3
32.5°	75.1	75.1	76.4	77.8	77.8	77.8	80.4	80.4	79.1	80.4	80.4
35°	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	64.6	63.3	64.6
37.5°	61.9	60.6	60.6	59.3	58.0	58.0	58.0	59.3	58.0	59.3	59.3
40°	56.7	56.7	55.4	55.4	55.4	55.4	55.4	55.4	55.4	56.7	58.0
42.5°	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	54.0	54.0
45°	50.1	50.1	50.1	50.1	51.4	51.4	51.4	51.4	51.4	51.4	52.7
47.5°	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.1	51.4
50°	46.1	46.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	48.8	50.1
52.5°	44.8	44.8	44.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	47.4
55°	43.5	44.8	44.8	44.8	44.8	44.8	43.5	43.5	43.5	43.5	44.8
57.5°	42.2	42.2	43.5	43.5	43.5	42.2	42.2	40.9	40.9	40.9	43.5
60°	40.9	40.9	40.9	40.9	40.9	39.5	39.5	39.5	39.5	40.9	40.9
62.5°	39.5	39.5	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
65°	38.2	38.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
67.5°	35.6	35.6	35.6	34.3	34.3	34.3	34.3	35.6	34.3	34.3	34.3
70°	32.9	32.9	32.9	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
72.5°	30.3	30.3	30.3	30.3	29.0	29.0	29.0	29.0	29.0	29.0	29.0
75°	27.7	26.4	26.4	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
77.5°	23.7	22.4	22.4	22.4	21.1	21.1	21.1	21.1	21.1	21.1	21.1
80°	19.8	18.5	18.5	17.1	17.1	17.1	17.1	17.1	17.1	15.8	15.8
82.5°	14.5	13.2	13.2	13.2	13.2	11.9	11.9	11.9	11.9	10.5	9.2
85°	6.6	6.6	5.3	6.6	6.6	7.9	6.6	6.6	6.6	5.3	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°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	0°
2.5°	765.7	778.9	780.2	772.3	788.2	790.8	786.8	786.8	789.5	800.0	800.0	2.5°
5°	570.7	587.8	586.5	576.0	597.0	603.6	599.7	601.0	606.3	618.1	624.7	5°
7.5°	403.3	417.8	416.5	415.2	428.3	433.6	436.3	440.2	456.0	457.3	465.2	7.5°
10°	326.9	340.0	344.0	353.2	357.2	365.1	370.4	376.9	390.1	396.7	405.9	10°
12.5°	264.9	280.7	284.7	295.2	300.5	309.7	315.0	328.2	336.1	344.0	355.9	12.5°
15°	204.3	217.5	221.4	229.3	234.6	245.1	250.4	258.3	274.1	282.0	297.9	15°
17.5°	150.2	158.2	160.8	166.1	170.0	174.0	184.5	197.7	206.9	220.1	228.0	17.5°
20°	117.3	119.9	121.3	122.6	125.2	127.8	133.1	142.3	147.6	158.2	166.1	20°
22.5°	105.4	106.8	106.8	108.1	108.1	109.4	112.0	114.7	117.3	121.3	125.2	22.5°
25°	97.5	98.8	98.8	100.2	100.2	101.5	102.8	104.1	106.8	108.1	109.4	25°
27.5°	93.6	93.6	93.6	93.6	94.9	94.9	96.2	98.8	98.8	101.5	102.8	27.5°
30°	89.6	89.6	89.6	90.9	92.3	94.9	97.5	101.5	102.8	105.4	106.8	30°
32.5°	83.0	80.4	83.0	81.7	79.1	79.1	80.4	83.0	83.0	84.4	85.7	32.5°
35°	64.6	64.6	65.9	67.2	67.2	68.5	69.9	71.2	72.5	75.1	76.4	35°
37.5°	60.6	61.9	61.9	63.3	64.6	64.6	65.9	68.5	69.9	71.2	72.5	37.5°
40°	58.0	59.3	60.6	61.9	61.9	63.3	64.6	65.9	67.2	69.9	71.2	40°
42.5°	55.4	58.0	58.0	59.3	60.6	61.9	63.3	64.6	67.2	68.5	69.9	42.5°
45°	54.0	55.4	56.7	58.0	59.3	60.6	61.9	64.6	65.9	68.5	69.9	45°
47.5°	52.7	54.0	55.4	56.7	58.0	59.3	60.6	63.3	65.9	68.5	71.2	47.5°
50°	50.1	52.7	54.0	55.4	56.7	58.0	60.6	63.3	65.9	69.9	76.4	50°
52.5°	48.8	51.4	51.4	54.0	55.4	58.0	60.6	63.3	67.2	72.5	79.1	52.5°
55°	46.1	48.8	48.8	51.4	54.0	56.7	58.0	61.9	65.9	71.2	72.5	55°
57.5°	43.5	46.1	47.4	48.8	51.4	54.0	55.4	59.3	64.6	65.9	64.6	57.5°
60°	42.2	43.5	44.8	46.1	48.8	50.1	54.0	61.9	67.2	61.9	55.4	60°
62.5°	39.5	42.2	43.5	44.8	47.4	48.8	51.4	56.7	58.0	51.4	50.1	62.5°
65°	38.2	40.9	40.9	43.5	44.8	44.8	46.1	46.1	46.1	46.1	46.1	65°
67.5°	35.6	38.2	38.2	39.5	40.9	40.9	42.2	42.2	42.2	42.2	42.2	67.5°
70°	32.9	34.3	35.6	36.9	36.9	36.9	38.2	38.2	38.2	39.5	39.5	70°
72.5°	30.3	31.6	31.6	32.9	32.9	34.3	34.3	35.6	35.6	35.6	36.9	72.5°
75°	25.0	26.4	27.7	29.0	29.0	30.3	30.3	30.3	30.3	31.6	31.6	75°
77.5°	21.1	21.1	23.7	23.7	25.0	25.0	26.4	26.4	26.4	26.4	26.4	77.5°
80°	15.8	15.8	17.1	18.5	19.8	19.8	19.8	19.8	19.8	19.8	19.8	80°
82.5°	9.2	9.2	10.5	10.5	11.9	11.9	13.2	11.9	11.9	10.5	10.5	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°
921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	0°	921.3
819.8	819.8	822.4	833.0	835.6	842.2	840.9	852.7	858.0	889.6	922.6	2.5°	954.2
648.4	653.7	661.6	674.8	682.7	697.2	694.6	718.3	722.3	780.2	836.9	5°	902.8
483.7	491.6	498.2	512.7	524.6	539.1	543.0	570.7	578.6	655.0	734.1	7.5°	825.1
419.1	425.7	434.9	444.2	456.0	462.6	473.2	486.3	495.6	552.2	643.2	10°	747.3
373.0	382.2	391.4	404.6	416.5	428.3	438.9	452.1	463.9	510.1	581.2	12.5°	701.2
316.3	326.9	337.4	351.9	369.0	380.9	392.8	407.3	421.8	478.4	561.5	15°	682.7
245.1	257.0	271.5	291.3	309.7	324.2	336.1	355.9	374.3	442.8	552.2	17.5°	701.2
180.6	191.1	204.3	221.4	234.6	259.6	272.8	296.5	319.0	404.6	539.1	20°	736.7
133.1	139.7	150.2	163.4	177.9	200.3	214.8	235.9	261.0	369.0	539.1	22.5°	797.4
112.0	114.7	118.6	126.5	135.8	151.6	166.1	187.2	212.2	337.4	553.6	25°	896.2
104.1	105.4	108.1	112.0	117.3	125.2	135.8	152.9	177.9	312.4	574.6	27.5°	1001.7
109.4	109.4	109.4	110.7	113.3	117.3	122.6	133.1	148.9	275.5	589.1	30°	1093.9
88.3	89.6	89.6	92.3	93.6	98.8	104.1	112.0	126.5	253.1	598.4	32.5°	1159.8
79.1	80.4	81.7	83.0	85.7	87.0	92.3	101.5	116.0	238.6	597.0	35°	1237.6
75.1	76.4	77.8	77.8	79.1	81.7	85.7	94.9	112.0	233.3	597.0	37.5°	1327.2
73.8	73.8	73.8	73.8	76.4	79.1	85.7	94.9	109.4	228.0	601.0	40°	1426.1
71.2	71.2	71.2	72.5	76.4	81.7	84.4	89.6	101.5	225.4	607.6	42.5°	1515.7
71.2	71.2	72.5	77.8	79.1	79.1	80.4	84.4	96.2	225.4	620.8	45°	1585.5
73.8	76.4	77.8	76.4	75.1	75.1	75.1	80.4	92.3	229.3	645.8	47.5°	1665.9
80.4	79.1	73.8	72.5	72.5	69.9	71.2	76.4	90.9	229.3	697.2	50°	1776.6
79.1	73.8	72.5	69.9	67.2	65.9	67.2	75.1	89.6	226.7	771.0	52.5°	1938.7
71.2	69.9	65.9	63.3	61.9	63.3	65.9	72.5	87.0	224.1	862.0	55°	2135.1
61.9	60.6	58.0	58.0	59.3	60.6	64.6	69.9	80.4	217.5	934.4	57.5°	2315.7
54.0	54.0	54.0	55.4	56.7	58.0	61.9	65.9	73.8	205.6	983.2	60°	2431.7
48.8	50.1	50.1	52.7	54.0	55.4	58.0	61.9	67.2	192.4	993.8	62.5°	2433.0
46.1	47.4	48.8	48.8	50.1	51.4	55.4	59.3	67.2	181.9	929.2	65°	2336.8
43.5	43.5	44.8	46.1	47.4	48.8	51.4	58.0	68.5	172.7	788.2	67.5°	2092.9
39.5	40.9	42.2	43.5	43.5	44.8	48.8	58.0	69.9	168.7	626.0	70°	1767.4
36.9	36.9	38.2	39.5	39.5	42.2	46.1	56.7	71.2	162.1	471.8	72.5°	1378.6
31.6	32.9	32.9	32.9	34.3	36.9	42.2	51.4	61.9	134.4	319.0	75°	934.4
27.7	26.4	27.7	27.7	29.0	30.3	34.3	39.5	46.1	85.7	168.7	77.5°	594.4
19.8	18.5	18.5	19.8	19.8	19.8	22.4	23.7	26.4	52.7	93.6	80°	350.6
10.5	9.2	10.5	9.2	9.2	10.5	10.5	13.2	13.2	25.0	42.2	82.5°	217.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	9.2	85°	88.3
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

'228476

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TION (continued):

359°	360°
921.3	921.3
970.0	977.9
935.8	946.3
862.0	876.5
793.4	807.9
756.5	764.4
739.4	755.2
764.4	780.2
814.5	839.6
902.8	934.4
1042.5	1070.2
1153.2	1196.7
1256.0	1291.6
1337.7	1378.6
1431.3	1470.9
1544.7	1598.7
1662.0	1722.6
1771.4	1838.6
1874.2	1926.9
1953.2	2012.6
2053.4	2123.3
2223.4	2273.5
2429.0	2485.7
2620.1	2668.9
2708.4	2749.3
2711.1	2762.5
2653.1	2711.1
2505.5	2595.1
2215.5	2315.7
1741.0	1855.7
1155.9	1256.0
666.9	699.8
394.1	411.2
234.6	251.7
63.3	68.5
0.0	0.0
0.0	0.0

(END OF REPORT)