

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: P228504

Luminaire Tested: **ISS-AF-1000-LED-E1-SLL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228504
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-7030
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4269 lumens
Efficiency: N/A
Efficacy: 78.2 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 - G2

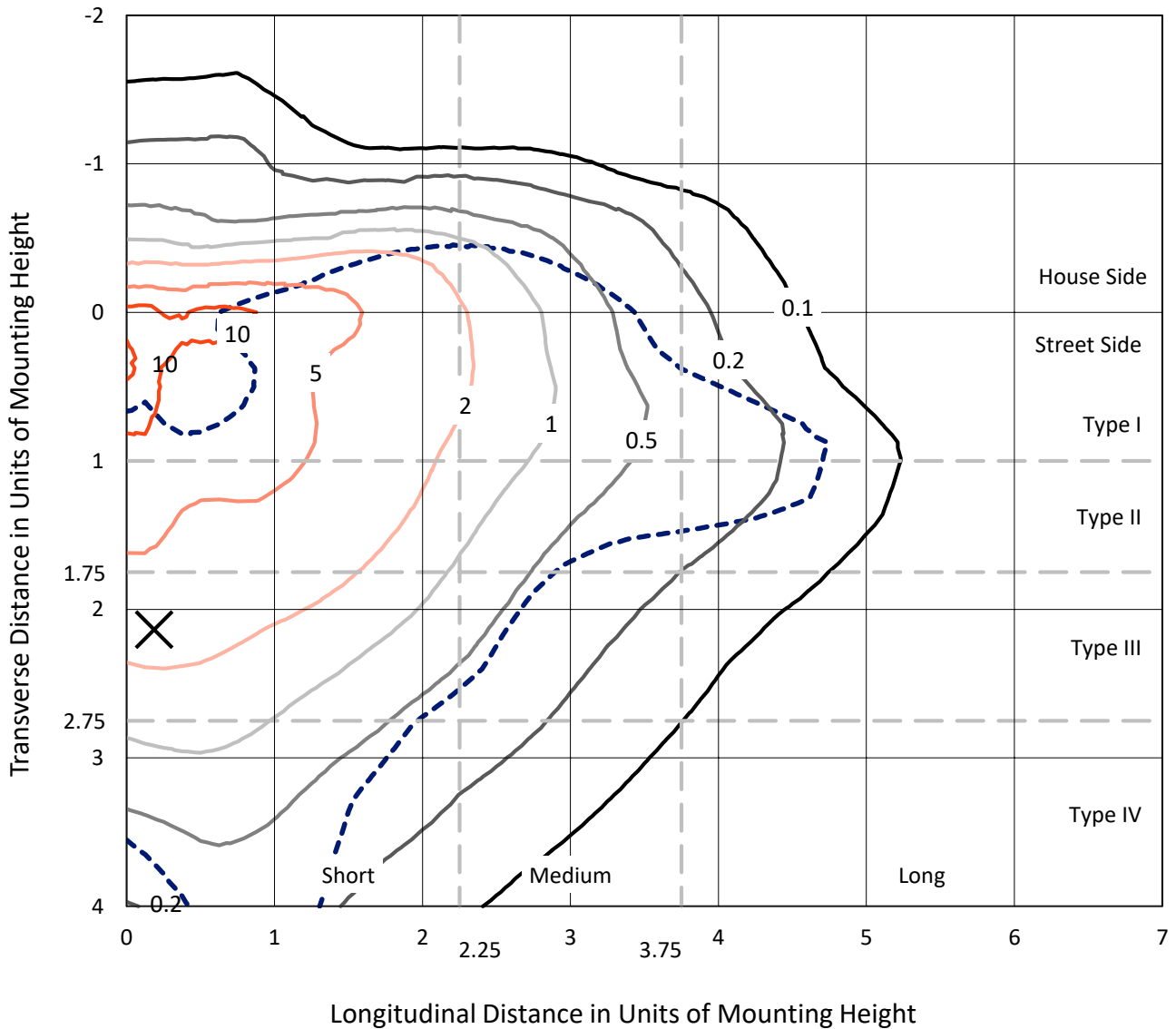
Input Watts (W): 54.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

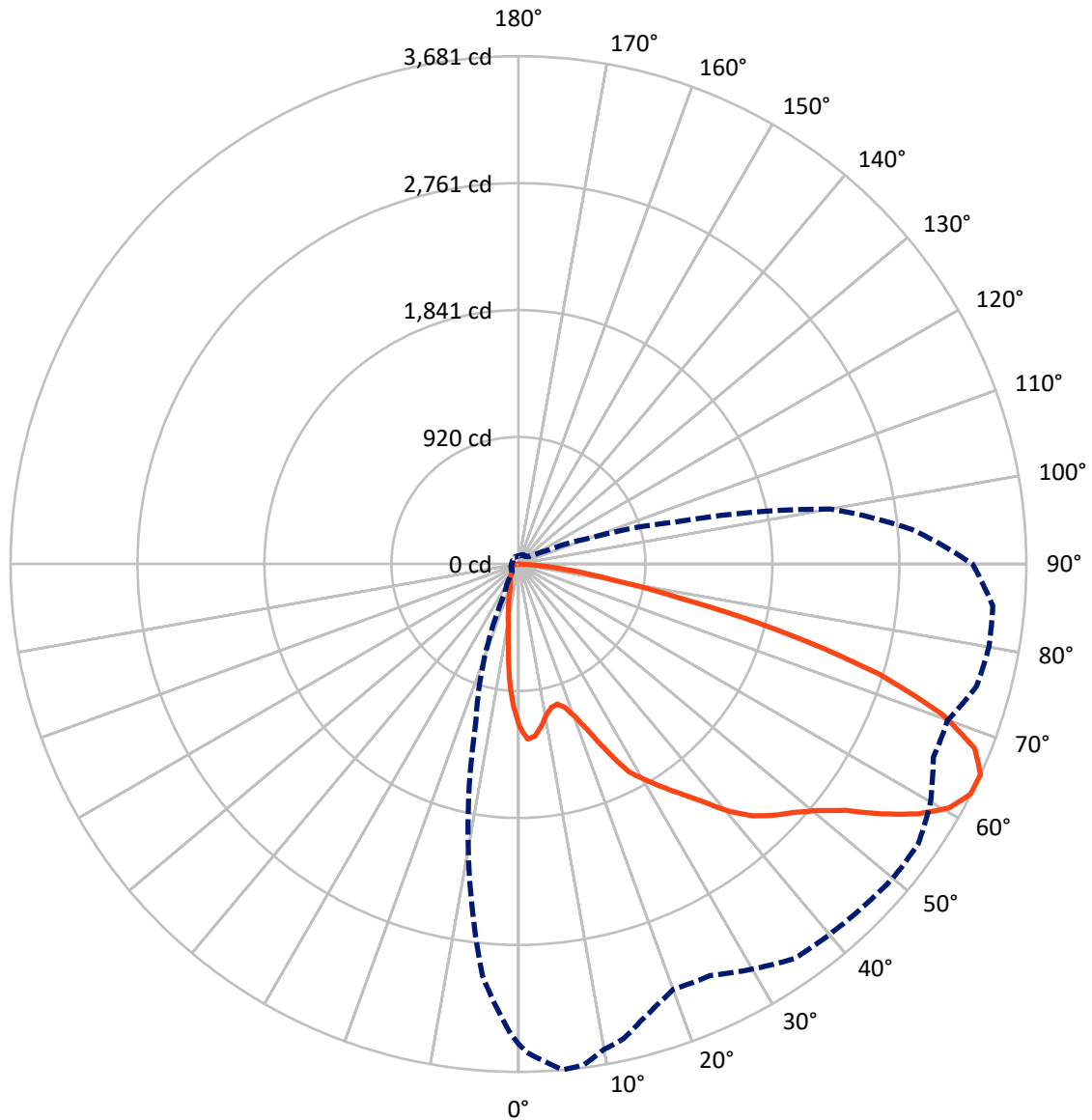
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16 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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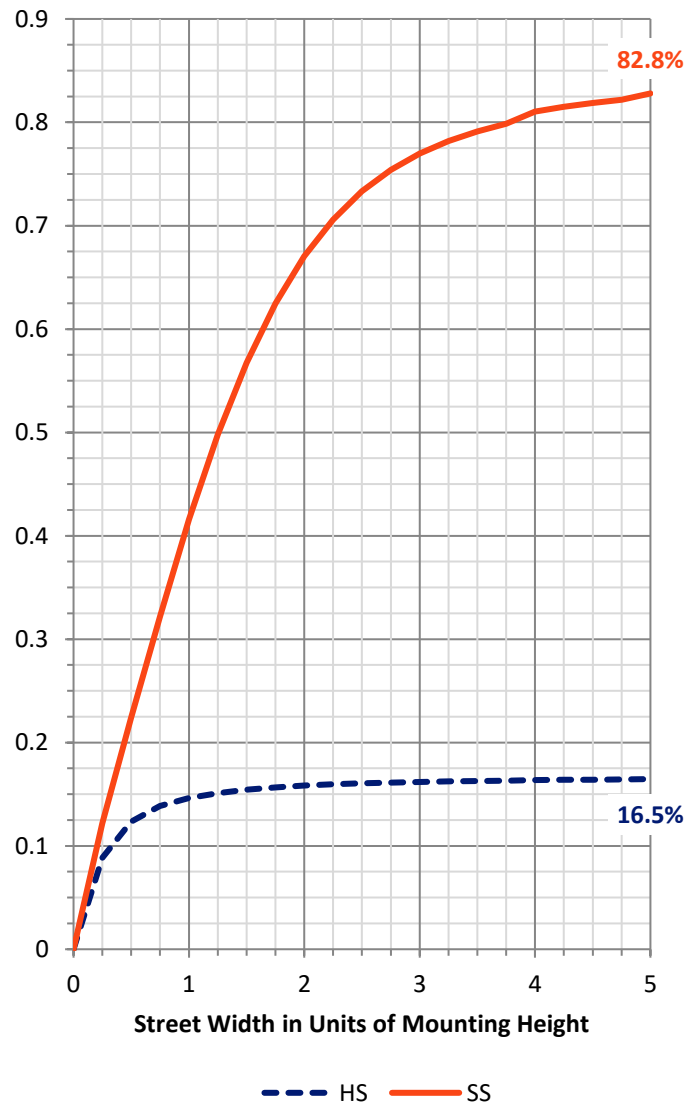
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	709.8	0.0	709.8
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	3559.2	0.0	3559.2
	% Fixture	83.4	0.0	83.4
Total	Lumens	4269.0	0.0	4269.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	2.1
10°-20°	186.9	4.4
20°-30°	271.7	6.4
30°-40°	401.9	9.4
40°-50°	585.6	13.7
50°-60°	877.8	20.6
60°-70°	1093.8	25.6
70°-80°	640.7	15.0
80°-90°	119.8	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°	4269.0	100.0
0°-180°	4269.0	100.0



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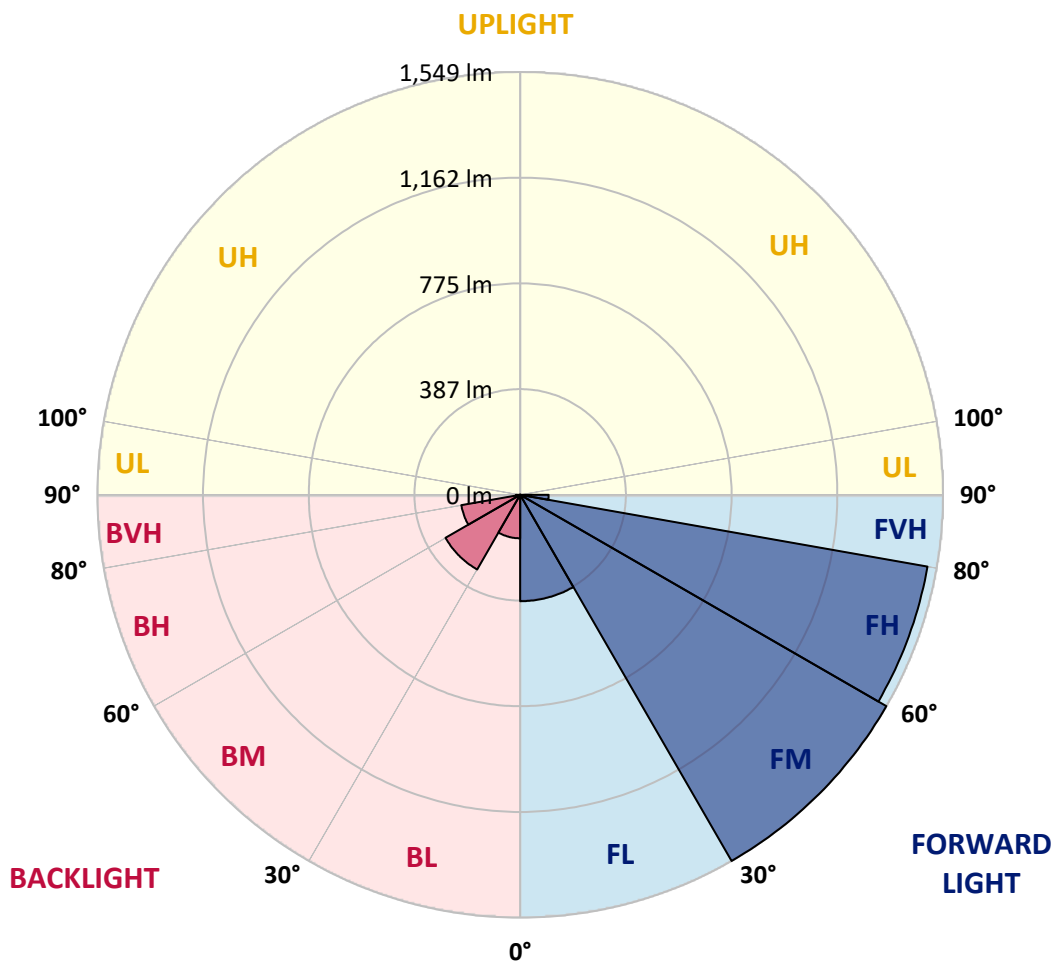
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	390.0	9.1			
FM	(30°-60°)	1549.3	36.3			
FH	(60°-80°)	1515.5	35.5			G1/1800
FVH	(80°-90°)	104.4	2.4			G2/225
BL	(0°-30°)	159.4	3.7	B1/500		
BM	(30°-60°)	315.9	7.4	B1/1000		
BH	(60°-80°)	219.1	5.1	B1/500		G1/500
BVH	(80°-90°)	15.4	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-G2

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°	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4
2.5°	1254.1	1250.7	1271.0	1274.4	1287.9	1287.9	1303.1	1316.6	1321.7	1333.5	1363.9
5°	1213.5	1223.7	1252.4	1281.1	1301.4	1321.7	1343.7	1370.7	1392.7	1429.9	1507.6
7.5°	1123.9	1139.1	1188.2	1216.9	1249.0	1284.5	1311.5	1343.7	1377.5	1440.0	1578.6
10°	1036.0	1047.9	1110.4	1145.9	1191.5	1228.7	1267.6	1303.1	1340.3	1418.0	1578.6
12.5°	980.3	995.5	1066.5	1100.3	1152.7	1191.5	1238.9	1281.1	1325.1	1407.9	1563.4
15°	968.4	985.3	1053.0	1095.2	1140.8	1178.0	1220.3	1264.2	1308.2	1389.3	1527.9
17.5°	1000.6	1020.8	1093.5	1140.8	1176.3	1218.6	1249.0	1291.3	1320.0	1384.2	1450.1
20°	1076.6	1100.3	1186.5	1232.1	1260.8	1287.9	1311.5	1336.9	1348.7	1363.9	1352.1
22.5°	1198.3	1227.0	1325.1	1377.5	1397.7	1418.0	1419.7	1423.1	1414.6	1374.1	1282.8
25°	1372.4	1401.1	1512.7	1563.4	1563.4	1563.4	1544.8	1531.3	1492.4	1416.3	1264.2
27.5°	1534.6	1571.8	1705.3	1737.5	1727.3	1712.1	1676.6	1642.8	1587.0	1460.3	1262.5
30°	1656.3	1693.5	1816.9	1842.2	1816.9	1779.7	1723.9	1674.9	1609.0	1482.2	1274.4
32.5°	1767.9	1811.8	1930.1	1933.5	1887.9	1845.6	1783.1	1727.3	1658.0	1522.8	1309.9
35°	1886.2	1930.1	2050.1	2026.5	1960.6	1903.1	1838.9	1789.8	1720.6	1575.2	1367.3
37.5°	2050.1	2089.0	2190.4	2134.6	2050.1	1975.8	1906.5	1842.2	1772.9	1646.2	1463.7
40°	2209.0	2264.8	2357.7	2268.2	2165.1	2065.3	1989.3	1921.7	1845.6	1742.5	1587.0
42.5°	2357.7	2410.1	2496.3	2381.4	2261.4	2161.7	2082.2	2009.6	1936.9	1852.4	1735.8
45°	2471.0	2525.1	2597.7	2476.0	2339.1	2236.0	2149.8	2085.6	2021.4	1963.9	1923.4
47.5°	2580.8	2634.9	2690.7	2558.9	2423.6	2318.9	2217.5	2158.3	2107.6	2077.2	2126.2
50°	2722.8	2760.0	2807.3	2665.3	2521.7	2401.7	2300.3	2254.6	2207.3	2217.5	2381.4
52.5°	2915.5	2947.6	2964.5	2825.9	2665.3	2528.4	2416.9	2354.4	2315.5	2374.6	2651.8
55°	3187.6	3233.2	3196.0	3059.1	2856.3	2700.8	2563.9	2489.6	2465.9	2545.3	2922.2
57.5°	3422.5	3442.8	3415.8	3280.5	3072.7	2898.6	2753.2	2675.5	2648.4	2753.2	3169.0
60°	3525.6	3551.0	3588.1	3471.5	3277.2	3104.8	2979.7	2903.6	2858.0	2979.7	3366.7
62.5°	3542.5	3584.8	3676.0	3616.9	3463.1	3334.6	3221.4	3116.6	3081.1	3174.1	3496.9
65°	3476.6	3540.8	3681.1	3659.1	3572.9	3523.9	3429.3	3348.1	3280.5	3290.7	3490.1
67.5°	3327.9	3402.2	3566.2	3556.0	3566.2	3566.2	3483.4	3415.8	3327.9	3202.8	3233.2
70°	2969.6	3067.6	3256.9	3305.9	3392.1	3392.1	3319.4	3216.3	3114.9	2858.0	2702.5
72.5°	2379.7	2445.6	2736.3	2974.6	3084.5	3040.5	2969.6	2797.2	2574.1	2291.8	2080.6
75°	1610.7	1649.6	2006.2	2442.2	2641.7	2604.5	2487.9	2273.2	2043.4	1729.0	1462.0
77.5°	897.5	948.2	1215.2	1556.6	1825.3	1820.3	1805.1	1668.2	1485.6	1225.3	1086.8
80°	527.3	544.2	684.5	933.0	1164.5	1108.7	1069.9	961.7	868.7	750.4	856.9
82.5°	322.8	305.9	388.7	567.9	687.9	664.2	598.3	557.7	513.8	481.7	569.6
85°	87.9	79.4	158.9	238.3	292.4	316.1	316.1	312.7	280.6	211.3	253.5
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°	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4
2.5°	1375.8	1377.5	1372.4	1384.2	1370.7	1363.9	1343.7	1343.7	1326.8	1313.2	1298.0
5°	1536.3	1546.5	1538.0	1539.7	1512.7	1485.6	1445.1	1421.4	1379.1	1333.5	1286.2
7.5°	1644.5	1661.4	1654.6	1625.9	1583.7	1526.2	1458.6	1394.4	1325.1	1250.7	1181.4
10°	1673.2	1691.8	1676.6	1622.5	1553.2	1472.1	1391.0	1304.8	1220.3	1140.8	1066.5
12.5°	1632.7	1646.2	1614.1	1554.9	1487.3	1406.2	1321.7	1247.3	1147.6	1063.1	976.9
15°	1529.6	1521.1	1517.7	1475.5	1428.2	1362.2	1282.8	1206.8	1113.8	1027.6	936.3
17.5°	1418.0	1407.9	1411.3	1394.4	1387.6	1357.2	1298.0	1233.8	1151.0	1046.2	948.2
20°	1320.0	1309.9	1314.9	1323.4	1348.7	1350.4	1340.3	1298.0	1237.2	1127.3	1007.3
22.5°	1235.5	1237.2	1254.1	1277.7	1320.0	1374.1	1416.3	1424.8	1382.5	1254.1	1103.7
25°	1210.1	1201.7	1220.3	1259.1	1330.1	1434.9	1529.6	1576.9	1553.2	1424.8	1240.6
27.5°	1201.7	1189.9	1210.1	1260.8	1374.1	1521.1	1656.3	1727.3	1735.8	1603.9	1387.6
30°	1201.7	1196.6	1216.9	1282.8	1402.8	1549.8	1700.3	1806.7	1840.6	1730.7	1516.0
32.5°	1216.9	1220.3	1255.8	1340.3	1463.7	1614.1	1769.6	1884.5	1945.3	1862.5	1619.1
35°	1250.7	1257.5	1308.2	1406.2	1539.7	1691.8	1833.8	1950.4	2048.4	2004.5	1715.5
37.5°	1323.4	1333.5	1396.0	1495.8	1617.5	1754.4	1892.9	2018.0	2160.0	2141.4	1816.9
40°	1451.8	1451.8	1514.4	1600.6	1700.3	1805.1	1942.0	2089.0	2263.1	2288.4	1942.0
42.5°	1614.1	1607.3	1647.9	1710.4	1779.7	1867.6	1991.0	2154.9	2359.4	2415.2	2036.6
45°	1837.2	1803.4	1825.3	1840.6	1874.4	1928.4	2038.3	2217.5	2437.2	2509.8	2107.6
47.5°	2099.1	2051.8	2033.2	2004.5	1992.7	2012.9	2107.6	2266.5	2511.5	2591.0	2222.5
50°	2388.2	2342.5	2293.5	2215.8	2148.2	2127.9	2185.3	2332.4	2591.0	2692.4	2349.3
52.5°	2689.0	2656.9	2592.7	2471.0	2342.5	2269.8	2296.9	2442.2	2717.7	2849.6	2499.7
55°	2964.5	2974.6	2896.9	2754.9	2570.7	2459.1	2491.3	2636.6	2947.6	3103.1	2751.5
57.5°	3260.3	3233.2	3172.4	3025.3	2824.2	2704.2	2717.7	2893.5	3204.5	3322.8	3001.7
60°	3456.3	3456.3	3390.4	3278.9	3087.9	2976.3	2996.6	3158.9	3410.7	3422.5	3113.2
62.5°	3583.1	3601.7	3549.3	3469.8	3283.9	3191.0	3260.3	3375.2	3512.1	3414.1	3057.4
65°	3522.2	3542.5	3537.4	3449.6	3317.7	3311.0	3436.0	3463.1	3451.2	3290.7	2864.8
67.5°	3246.7	3206.2	3204.5	3158.9	3131.8	3272.1	3431.0	3439.4	3240.0	3049.0	2560.5
70°	2722.8	2653.5	2626.5	2640.0	2763.4	3025.3	3251.8	3187.6	2869.8	2705.9	2180.3
72.5°	2099.1	2016.3	1999.4	2051.8	2242.8	2611.3	2920.5	2831.0	2359.4	2168.4	1688.4
75°	1489.0	1453.5	1455.2	1558.3	1764.5	2119.4	2479.4	2471.0	1747.6	1495.8	1162.8
77.5°	1083.4	1090.1	1120.6	1161.1	1338.6	1681.7	2019.7	1997.7	1243.9	1027.6	813.0
80°	894.1	904.2	904.2	882.2	927.9	1110.4	1372.4	1465.3	833.2	691.3	567.9
82.5°	642.2	693.0	721.7	686.2	669.3	731.8	860.3	921.1	518.9	436.1	397.2
85°	305.9	349.9	360.0	351.5	403.9	461.4	491.8	503.7	283.9	202.8	260.3
87.5°	0.0	0.0	1.7	13.5	37.2	64.2	64.2	98.0	15.2	5.1	11.8
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):

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°
0°	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4
2.5°	1277.7	1255.8	1238.9	1218.6	1201.7	1184.8	1173.0	1147.6	1127.3	1081.7	1069.9
5°	1247.3	1200.0	1167.9	1137.5	1098.6	1071.5	1042.8	1007.3	968.4	902.5	882.2
7.5°	1127.3	1068.2	1024.2	980.3	929.6	883.9	841.7	794.4	726.8	655.8	628.7
10°	997.2	934.6	873.8	821.4	760.6	709.9	672.7	638.9	584.8	530.7	495.2
12.5°	890.7	819.7	750.4	698.0	665.9	640.6	613.5	586.5	529.0	468.2	425.9
15°	841.7	758.9	698.0	654.1	625.3	594.9	562.8	532.4	464.8	393.8	343.1
17.5°	848.4	753.8	676.1	616.9	578.0	535.8	498.6	459.7	385.3	300.8	255.2
20°	885.6	758.9	652.4	583.1	527.3	473.2	425.9	376.9	285.6	219.7	187.6
22.5°	933.0	775.8	638.9	549.3	480.0	412.4	351.5	294.1	211.3	172.4	157.2
25°	1014.1	814.6	635.5	518.9	434.4	353.2	290.7	229.9	170.7	152.1	143.7
27.5°	1115.5	858.6	638.9	496.9	395.5	305.9	236.6	191.0	153.8	143.7	136.9
30°	1216.9	904.2	623.7	463.1	349.9	262.0	202.8	174.1	152.1	140.3	128.4
32.5°	1306.5	938.0	598.3	427.6	309.3	223.1	172.4	148.7	133.5	120.0	116.6
35°	1370.7	953.2	569.6	405.6	282.3	199.4	152.1	133.5	118.3	104.8	98.0
37.5°	1431.5	954.9	539.2	385.3	272.1	189.3	140.3	123.4	109.9	98.0	91.3
40°	1494.1	948.2	522.3	365.1	256.9	184.2	135.2	114.9	106.5	93.0	86.2
42.5°	1539.7	936.3	515.5	353.2	243.4	170.7	131.8	113.2	101.4	91.3	82.8
45°	1582.0	924.5	515.5	343.1	233.2	162.3	125.1	114.9	98.0	89.6	79.4
47.5°	1632.7	929.6	517.2	334.6	224.8	153.8	118.3	111.5	99.7	87.9	77.7
50°	1718.9	987.0	525.6	329.6	218.0	147.0	113.2	106.5	109.9	86.2	76.1
52.5°	1867.6	1078.3	539.2	326.2	211.3	142.0	106.5	103.1	111.5	86.2	74.4
55°	2062.0	1171.3	552.7	317.7	201.1	131.8	103.1	96.3	103.1	86.2	72.7
57.5°	2251.3	1240.6	564.5	305.9	184.2	121.7	98.0	91.3	94.6	84.5	69.3
60°	2361.1	1294.6	576.3	285.6	163.9	109.9	93.0	86.2	84.5	84.5	67.6
62.5°	2391.5	1274.4	569.6	260.3	147.0	101.4	87.9	81.1	76.1	86.2	67.6
65°	2295.2	1167.9	544.2	238.3	135.2	98.0	82.8	77.7	72.7	74.4	64.2
67.5°	1999.4	982.0	474.9	218.0	133.5	96.3	79.4	74.4	67.6	65.9	60.8
70°	1631.0	770.7	393.8	202.8	131.8	96.3	76.1	69.3	64.2	59.2	55.8
72.5°	1254.1	576.3	331.3	196.1	133.5	94.6	71.0	62.5	57.5	54.1	50.7
75°	882.2	407.3	275.5	175.8	125.1	89.6	65.9	55.8	50.7	47.3	43.9
77.5°	638.9	277.2	204.5	142.0	106.5	77.7	57.5	47.3	42.3	40.6	37.2
80°	407.3	170.7	136.9	104.8	77.7	60.8	43.9	37.2	33.8	30.4	28.7
82.5°	234.9	99.7	82.8	71.0	50.7	40.6	32.1	28.7	22.0	20.3	18.6
85°	143.7	62.5	45.6	37.2	32.1	25.4	18.6	16.9	11.8	10.1	8.5
87.5°	32.1	13.5	11.8	8.5	10.1	8.5	5.1	3.4	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°	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4
2.5°	1051.3	1025.9	1027.6	1022.5	1009.0	987.0	980.3	968.4	970.1	976.9	970.1
5°	858.6	828.2	831.5	829.9	816.3	801.1	789.3	774.1	769.0	774.1	765.6
7.5°	608.4	588.2	594.9	610.1	608.4	600.0	589.9	573.0	569.6	571.3	556.1
10°	464.8	444.5	439.4	437.7	434.4	429.3	415.8	402.3	397.2	398.9	388.7
12.5°	388.7	371.8	351.5	333.0	316.1	309.3	292.4	283.9	282.3	282.3	277.2
15°	307.6	294.1	282.3	263.7	250.1	240.0	228.2	221.4	219.7	221.4	221.4
17.5°	229.9	223.1	218.0	216.3	209.6	202.8	196.1	192.7	191.0	191.0	192.7
20°	175.8	174.1	174.1	174.1	182.5	189.3	191.0	185.9	184.2	182.5	180.8
22.5°	152.1	150.4	152.1	162.3	157.2	152.1	152.1	152.1	152.1	152.1	153.8
25°	140.3	142.0	143.7	138.6	133.5	130.1	128.4	128.4	126.8	126.8	128.4
27.5°	133.5	131.8	130.1	126.8	123.4	118.3	116.6	114.9	114.9	114.9	114.9
30°	125.1	123.4	121.7	118.3	113.2	106.5	104.8	104.8	103.1	104.8	104.8
32.5°	114.9	113.2	111.5	108.2	103.1	99.7	98.0	94.6	94.6	94.6	96.3
35°	93.0	91.3	91.3	93.0	93.0	91.3	91.3	87.9	87.9	87.9	87.9
37.5°	86.2	84.5	84.5	82.8	84.5	86.2	84.5	82.8	82.8	81.1	81.1
40°	81.1	81.1	79.4	77.7	77.7	81.1	79.4	77.7	76.1	76.1	76.1
42.5°	77.7	76.1	76.1	74.4	74.4	74.4	72.7	71.0	69.3	69.3	69.3
45°	74.4	74.4	72.7	71.0	69.3	69.3	65.9	64.2	64.2	64.2	65.9
47.5°	72.7	71.0	71.0	69.3	67.6	64.2	62.5	60.8	60.8	60.8	60.8
50°	71.0	69.3	67.6	67.6	64.2	62.5	60.8	59.2	59.2	59.2	59.2
52.5°	69.3	67.6	65.9	64.2	62.5	60.8	59.2	57.5	57.5	57.5	57.5
55°	65.9	64.2	64.2	62.5	62.5	60.8	59.2	57.5	57.5	57.5	55.8
57.5°	64.2	62.5	60.8	60.8	60.8	59.2	57.5	55.8	55.8	55.8	55.8
60°	62.5	60.8	60.8	59.2	59.2	57.5	57.5	55.8	54.1	54.1	52.4
62.5°	60.8	59.2	59.2	57.5	59.2	57.5	55.8	54.1	52.4	52.4	50.7
65°	59.2	57.5	57.5	57.5	55.8	55.8	54.1	50.7	50.7	50.7	49.0
67.5°	55.8	54.1	54.1	55.8	54.1	52.4	52.4	49.0	49.0	47.3	47.3
70°	50.7	50.7	50.7	52.4	50.7	49.0	49.0	47.3	45.6	43.9	43.9
72.5°	47.3	45.6	47.3	47.3	47.3	45.6	47.3	43.9	42.3	40.6	40.6
75°	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	38.9	37.2	35.5
77.5°	32.1	33.8	33.8	33.8	33.8	35.5	33.8	33.8	33.8	32.1	30.4
80°	23.7	23.7	25.4	27.0	25.4	27.0	25.4	27.0	25.4	25.4	25.4
82.5°	13.5	13.5	15.2	16.9	16.9	18.6	15.2	16.9	16.9	18.6	16.9
85°	5.1	5.1	5.1	5.1	6.8	6.8	5.1	6.8	6.8	8.5	8.5
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°	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4
2.5°	983.7	983.7	963.4	966.8	970.1	976.9	973.5	971.8	970.1	980.3	985.3
5°	772.4	770.7	745.3	743.7	748.7	750.4	745.3	736.9	731.8	733.5	738.6
7.5°	561.1	556.1	532.4	529.0	527.3	529.0	523.9	515.5	508.7	510.4	515.5
10°	392.1	378.6	375.2	376.9	380.3	383.7	383.7	383.7	385.3	395.5	407.3
12.5°	283.9	278.9	282.3	285.6	292.4	297.5	302.5	304.2	305.9	319.4	329.6
15°	224.8	224.8	228.2	229.9	233.2	236.6	240.0	240.0	241.7	246.8	255.2
17.5°	194.4	194.4	194.4	194.4	194.4	192.7	191.0	187.6	185.9	184.2	185.9
20°	179.2	177.5	174.1	172.4	169.0	165.6	163.9	158.9	157.2	152.1	150.4
22.5°	153.8	152.1	152.1	152.1	152.1	150.4	148.7	147.0	143.7	138.6	135.2
25°	126.8	126.8	126.8	128.4	128.4	130.1	133.5	133.5	133.5	133.5	128.4
27.5°	114.9	114.9	114.9	114.9	116.6	116.6	118.3	118.3	118.3	120.0	121.7
30°	104.8	106.5	106.5	108.2	108.2	109.9	109.9	111.5	111.5	113.2	113.2
32.5°	96.3	96.3	98.0	99.7	99.7	99.7	103.1	103.1	101.4	103.1	103.1
35°	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	82.8	81.1	82.8
37.5°	79.4	77.7	77.7	76.1	74.4	74.4	74.4	76.1	74.4	76.1	76.1
40°	72.7	72.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	72.7	74.4
42.5°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	69.3	69.3
45°	64.2	64.2	64.2	64.2	65.9	65.9	65.9	65.9	65.9	65.9	67.6
47.5°	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	64.2	65.9
50°	59.2	59.2	60.8	60.8	60.8	60.8	60.8	60.8	60.8	62.5	64.2
52.5°	57.5	57.5	57.5	59.2	59.2	59.2	59.2	59.2	59.2	59.2	60.8
55°	55.8	57.5	57.5	57.5	57.5	57.5	55.8	55.8	55.8	55.8	57.5
57.5°	54.1	54.1	55.8	55.8	55.8	54.1	54.1	52.4	52.4	52.4	55.8
60°	52.4	52.4	52.4	52.4	52.4	50.7	50.7	50.7	50.7	52.4	52.4
62.5°	50.7	50.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
65°	49.0	49.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
67.5°	45.6	45.6	45.6	43.9	43.9	43.9	43.9	45.6	43.9	43.9	43.9
70°	42.3	42.3	42.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
72.5°	38.9	38.9	38.9	38.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2
75°	35.5	33.8	33.8	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
77.5°	30.4	28.7	28.7	28.7	27.0	27.0	27.0	27.0	27.0	27.0	27.0
80°	25.4	23.7	23.7	22.0	22.0	22.0	22.0	22.0	22.0	20.3	20.3
82.5°	18.6	16.9	16.9	16.9	16.9	15.2	15.2	15.2	15.2	13.5	11.8
85°	8.5	8.5	6.8	8.5	8.5	10.1	8.5	8.5	8.5	6.8	3.4
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°	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	0°
2.5°	982.0	998.9	1000.6	990.4	1010.7	1014.1	1009.0	1009.0	1012.4	1025.9	1025.9	2.5°
5°	731.8	753.8	752.1	738.6	765.6	774.1	769.0	770.7	777.5	792.7	801.1	5°
7.5°	517.2	535.8	534.1	532.4	549.3	556.1	559.4	564.5	584.8	586.5	596.6	7.5°
10°	419.2	436.1	441.1	453.0	458.0	468.2	474.9	483.4	500.3	508.7	520.6	10°
12.5°	339.7	360.0	365.1	378.6	385.3	397.2	403.9	420.8	431.0	441.1	456.3	12.5°
15°	262.0	278.9	283.9	294.1	300.8	314.4	321.1	331.3	351.5	361.7	382.0	15°
17.5°	192.7	202.8	206.2	213.0	218.0	223.1	236.6	253.5	265.4	282.3	292.4	17.5°
20°	150.4	153.8	155.5	157.2	160.6	163.9	170.7	182.5	189.3	202.8	213.0	20°
22.5°	135.2	136.9	136.9	138.6	138.6	140.3	143.7	147.0	150.4	155.5	160.6	22.5°
25°	125.1	126.8	126.8	128.4	128.4	130.1	131.8	133.5	136.9	138.6	140.3	25°
27.5°	120.0	120.0	120.0	120.0	121.7	121.7	123.4	126.8	126.8	130.1	131.8	27.5°
30°	114.9	114.9	114.9	116.6	118.3	121.7	125.1	130.1	131.8	135.2	136.9	30°
32.5°	106.5	103.1	106.5	104.8	101.4	101.4	103.1	106.5	106.5	108.2	109.9	32.5°
35°	82.8	82.8	84.5	86.2	86.2	87.9	89.6	91.3	93.0	96.3	98.0	35°
37.5°	77.7	79.4	79.4	81.1	82.8	82.8	84.5	87.9	89.6	91.3	93.0	37.5°
40°	74.4	76.1	77.7	79.4	79.4	81.1	82.8	84.5	86.2	89.6	91.3	40°
42.5°	71.0	74.4	74.4	76.1	77.7	79.4	81.1	82.8	86.2	87.9	89.6	42.5°
45°	69.3	71.0	72.7	74.4	76.1	77.7	79.4	82.8	84.5	87.9	89.6	45°
47.5°	67.6	69.3	71.0	72.7	74.4	76.1	77.7	81.1	84.5	87.9	91.3	47.5°
50°	64.2	67.6	69.3	71.0	72.7	74.4	77.7	81.1	84.5	89.6	98.0	50°
52.5°	62.5	65.9	65.9	69.3	71.0	74.4	77.7	81.1	86.2	93.0	101.4	52.5°
55°	59.2	62.5	62.5	65.9	69.3	72.7	74.4	79.4	84.5	91.3	93.0	55°
57.5°	55.8	59.2	60.8	62.5	65.9	69.3	71.0	76.1	82.8	84.5	82.8	57.5°
60°	54.1	55.8	57.5	59.2	62.5	64.2	69.3	79.4	86.2	79.4	71.0	60°
62.5°	50.7	54.1	55.8	57.5	60.8	62.5	65.9	72.7	74.4	65.9	64.2	62.5°
65°	49.0	52.4	52.4	55.8	57.5	57.5	59.2	59.2	59.2	59.2	59.2	65°
67.5°	45.6	49.0	49.0	50.7	52.4	52.4	54.1	54.1	54.1	54.1	54.1	67.5°
70°	42.3	43.9	45.6	47.3	47.3	47.3	49.0	49.0	49.0	50.7	50.7	70°
72.5°	38.9	40.6	40.6	42.3	42.3	43.9	43.9	45.6	45.6	45.6	47.3	72.5°
75°	32.1	33.8	35.5	37.2	37.2	38.9	38.9	38.9	38.9	40.6	40.6	75°
77.5°	27.0	27.0	30.4	30.4	32.1	32.1	33.8	33.8	33.8	33.8	33.8	77.5°
80°	20.3	20.3	22.0	23.7	25.4	25.4	25.4	25.4	25.4	25.4	25.4	80°
82.5°	11.8	11.8	13.5	13.5	15.2	15.2	16.9	15.2	15.2	13.5	13.5	82.5°
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	1.7	1.7	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°
1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	0°	1181.4
1051.3	1051.3	1054.6	1068.2	1071.5	1080.0	1078.3	1093.5	1100.3	1140.8	1183.1	2.5°	1223.7
831.5	838.3	848.4	865.3	875.5	894.1	890.7	921.1	926.2	1000.6	1073.2	5°	1157.7
620.3	630.4	638.9	657.5	672.7	691.3	696.3	731.8	742.0	840.0	941.4	7.5°	1058.0
537.5	545.9	557.7	569.6	584.8	593.2	606.8	623.7	635.5	708.2	824.8	10°	958.3
478.3	490.1	502.0	518.9	534.1	549.3	562.8	579.7	594.9	654.1	745.3	12.5°	899.1
405.6	419.2	432.7	451.3	473.2	488.4	503.7	522.3	540.8	613.5	720.0	15°	875.5
314.4	329.6	348.2	373.5	397.2	415.8	431.0	456.3	480.0	567.9	708.2	17.5°	899.1
231.5	245.1	262.0	283.9	300.8	333.0	349.9	380.3	409.0	518.9	691.3	20°	944.8
170.7	179.2	192.7	209.6	228.2	256.9	275.5	302.5	334.6	473.2	691.3	22.5°	1022.5
143.7	147.0	152.1	162.3	174.1	194.4	213.0	240.0	272.1	432.7	709.9	25°	1149.3
133.5	135.2	138.6	143.7	150.4	160.6	174.1	196.1	228.2	400.6	736.9	27.5°	1284.5
140.3	140.3	140.3	142.0	145.4	150.4	157.2	170.7	191.0	353.2	755.5	30°	1402.8
113.2	114.9	114.9	118.3	120.0	126.8	133.5	143.7	162.3	324.5	767.3	32.5°	1487.3
101.4	103.1	104.8	106.5	109.9	111.5	118.3	130.1	148.7	305.9	765.6	35°	1587.0
96.3	98.0	99.7	99.7	101.4	104.8	109.9	121.7	143.7	299.2	765.6	37.5°	1702.0
94.6	94.6	94.6	94.6	98.0	101.4	109.9	121.7	140.3	292.4	770.7	40°	1828.7
91.3	91.3	91.3	93.0	98.0	104.8	108.2	114.9	130.1	289.0	779.2	42.5°	1943.6
91.3	91.3	93.0	99.7	101.4	101.4	103.1	108.2	123.4	289.0	796.1	45°	2033.2
94.6	98.0	99.7	98.0	96.3	96.3	96.3	103.1	118.3	294.1	828.2	47.5°	2136.3
103.1	101.4	94.6	93.0	93.0	89.6	91.3	98.0	116.6	294.1	894.1	50°	2278.3
101.4	94.6	93.0	89.6	86.2	84.5	86.2	96.3	114.9	290.7	988.7	52.5°	2486.2
91.3	89.6	84.5	81.1	79.4	81.1	84.5	93.0	111.5	287.3	1105.3	55°	2738.0
79.4	77.7	74.4	74.4	76.1	77.7	82.8	89.6	103.1	278.9	1198.3	57.5°	2969.6
69.3	69.3	69.3	71.0	72.7	74.4	79.4	84.5	94.6	263.7	1260.8	60°	3118.3
62.5	64.2	64.2	67.6	69.3	71.0	74.4	79.4	86.2	246.8	1274.4	62.5°	3120.0
59.2	60.8	62.5	62.5	64.2	65.9	71.0	76.1	86.2	233.2	1191.5	65°	2996.6
55.8	55.8	57.5	59.2	60.8	62.5	65.9	74.4	87.9	221.4	1010.7	67.5°	2683.9
50.7	52.4	54.1	55.8	55.8	57.5	62.5	74.4	89.6	216.3	802.8	70°	2266.5
47.3	47.3	49.0	50.7	50.7	54.1	59.2	72.7	91.3	207.9	605.1	72.5°	1767.9
40.6	42.3	42.3	42.3	43.9	47.3	54.1	65.9	79.4	172.4	409.0	75°	1198.3
35.5	33.8	35.5	35.5	37.2	38.9	43.9	50.7	59.2	109.9	216.3	77.5°	762.2
25.4	23.7	23.7	25.4	25.4	25.4	28.7	30.4	33.8	67.6	120.0	80°	449.6
13.5	11.8	13.5	11.8	11.8	13.5	13.5	16.9	16.9	32.1	54.1	82.5°	278.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	11.8	85°	113.2
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°
1181.4	1181.4
1243.9	1254.1
1200.0	1213.5
1105.3	1123.9
1017.5	1036.0
970.1	980.3
948.2	968.4
980.3	1000.6
1044.5	1076.6
1157.7	1198.3
1336.9	1372.4
1478.9	1534.6
1610.7	1656.3
1715.5	1767.9
1835.5	1886.2
1980.8	2050.1
2131.3	2209.0
2271.5	2357.7
2403.4	2471.0
2504.8	2580.8
2633.2	2722.8
2851.2	2915.5
3114.9	3187.6
3360.0	3422.5
3473.2	3525.6
3476.6	3542.5
3402.2	3476.6
3212.9	3327.9
2841.1	2969.6
2232.7	2379.7
1482.2	1610.7
855.2	897.5
505.3	527.3
300.8	322.8
81.1	87.9
0.0	0.0
0.0	0.0

(END OF REPORT)