

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: P271535

Luminaire Tested: **ISS-AF-1000-LED-E1-SLL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271535
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-7027
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4190 lumens
Efficiency: N/A
Efficacy: 76.7 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 - G2

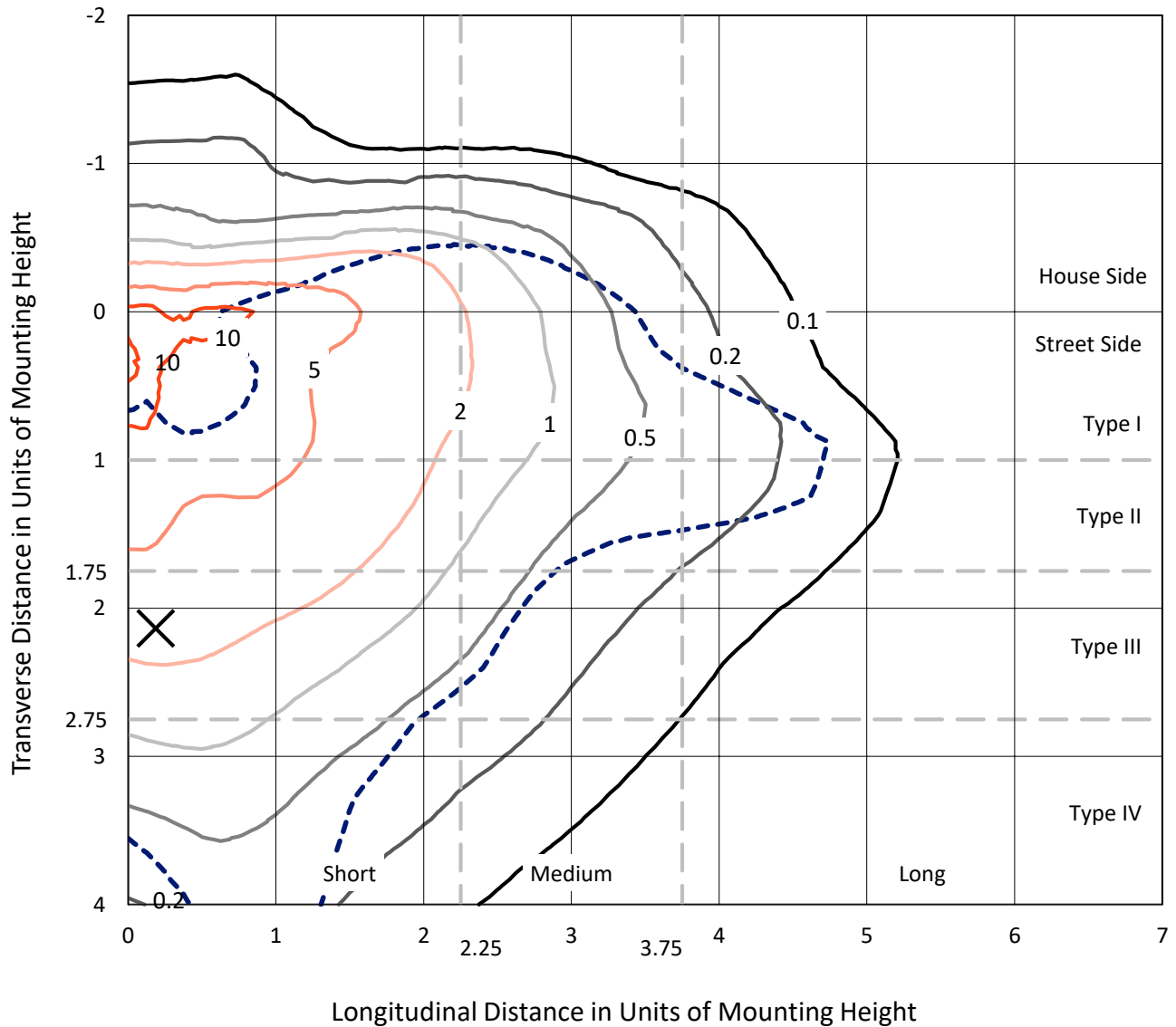
Input Watts (W): 54.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

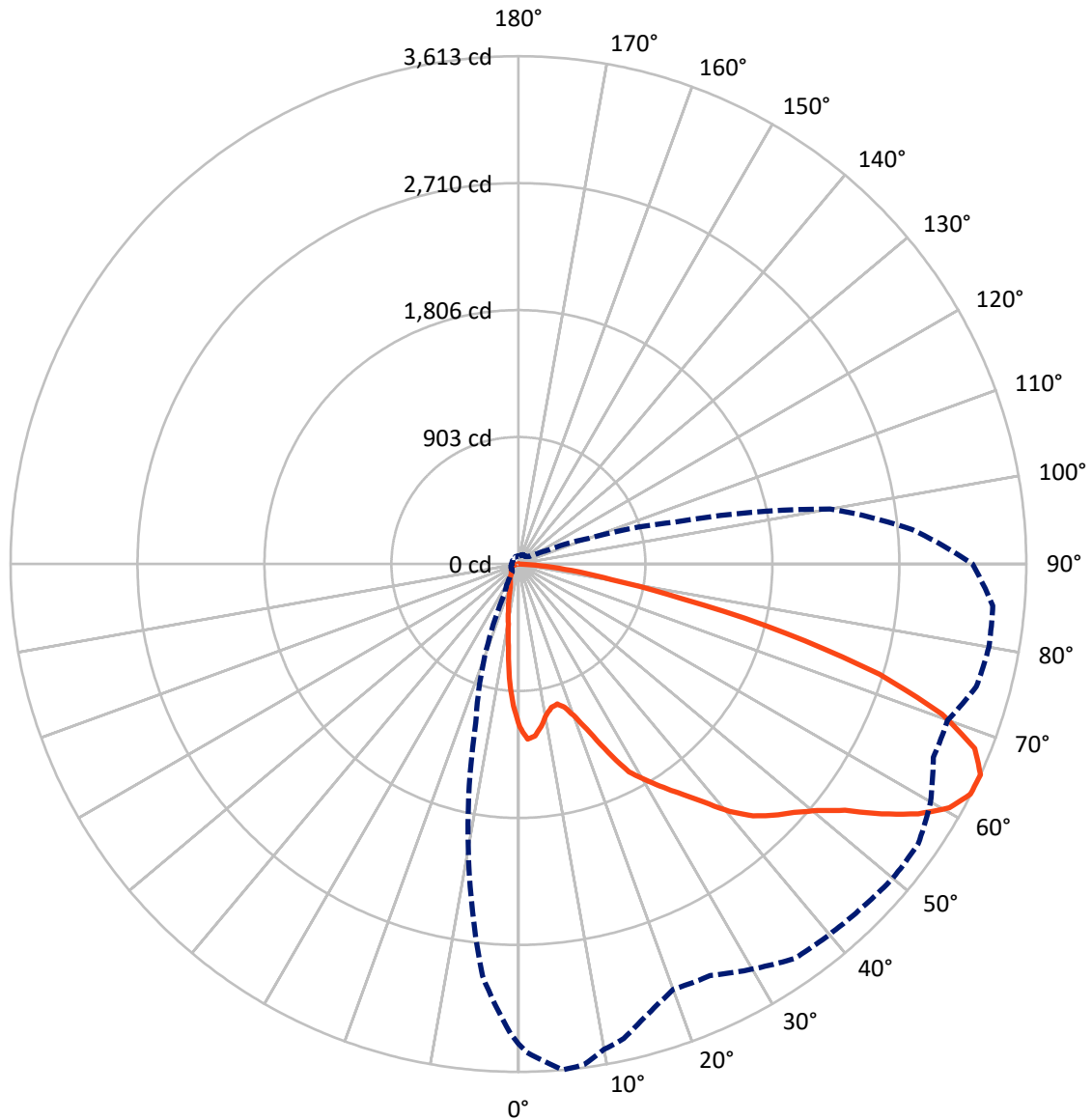
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.7 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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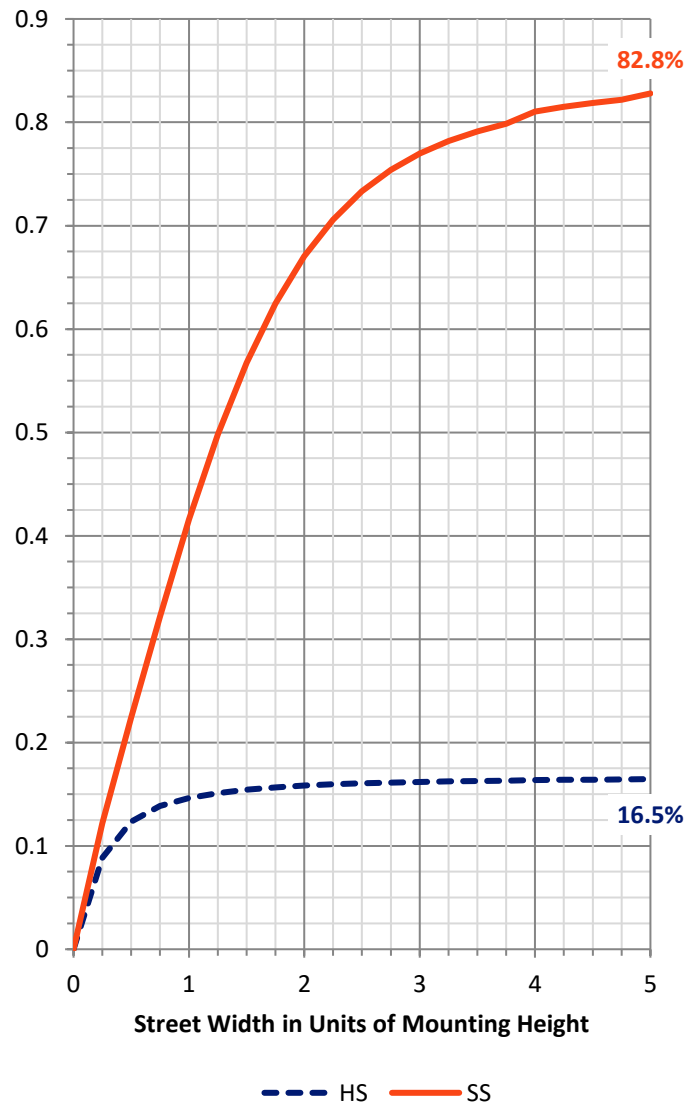
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	696.7	0.0	696.7
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	3493.3	0.0	3493.3
	% Fixture	83.4	0.0	83.4
Total	Lumens	4190.0	0.0	4190.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	2.1
10°-20°	183.5	4.4
20°-30°	266.7	6.4
30°-40°	394.5	9.4
40°-50°	574.7	13.7
50°-60°	861.5	20.6
60°-70°	1073.6	25.6
70°-80°	628.9	15.0
80°-90°	117.6	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°	4190.0	100.0
0°-180°	4190.0	100.0



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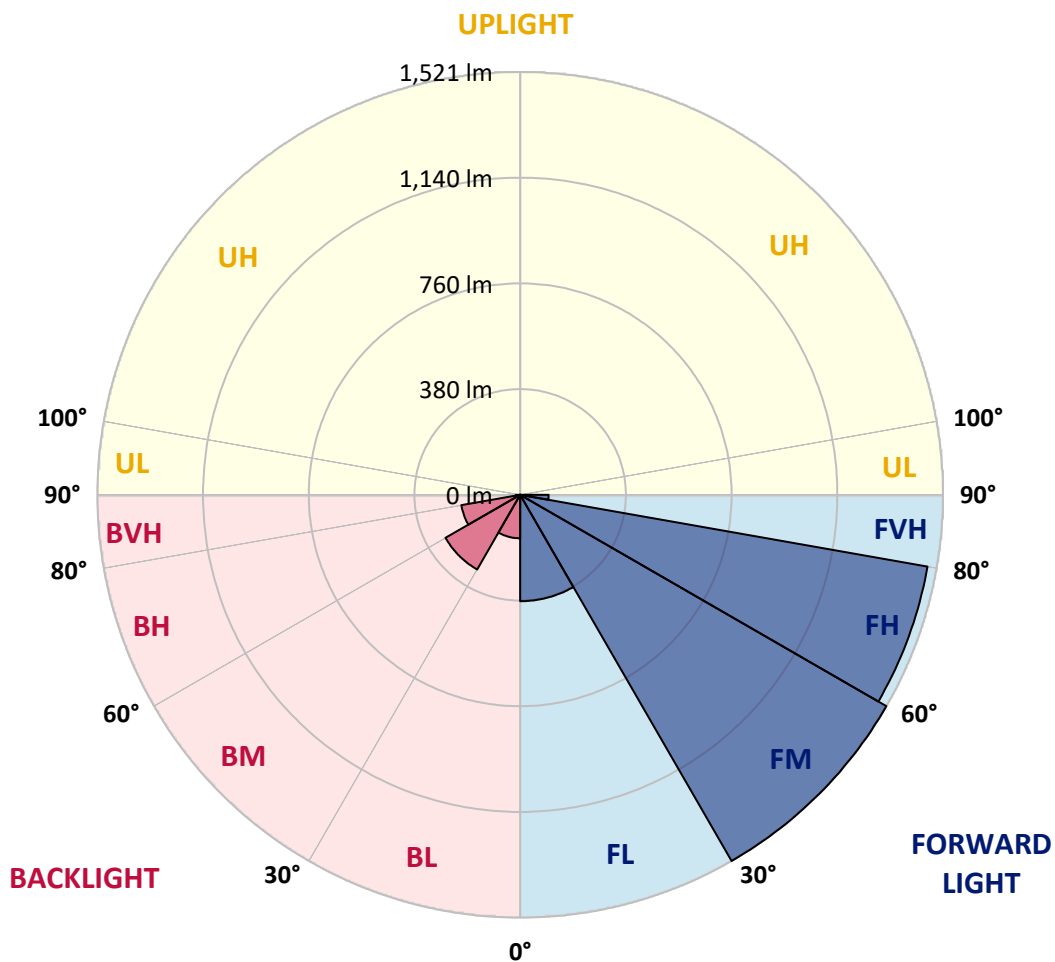
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	382.8	9.1			
FM	(30°-60°)	1520.6	36.3			
FH	(60°-80°)	1487.4	35.5			G1/1800
FVH	(80°-90°)	102.4	2.4			G2/225
BL	(0°-30°)	156.4	3.7	B1/500		
BM	(30°-60°)	310.1	7.4	B1/1000		
BH	(60°-80°)	215.0	5.1	B1/500		G1/500
BVH	(80°-90°)	15.2	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-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°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	1230.9	1227.5	1247.5	1250.8	1264.1	1264.1	1279.0	1292.2	1297.2	1308.8	1338.7
5°	1191.1	1201.0	1229.2	1257.4	1277.3	1297.2	1318.8	1345.3	1367.0	1403.4	1479.7
7.5°	1103.1	1118.0	1166.2	1194.4	1225.8	1260.7	1287.2	1318.8	1351.9	1413.3	1549.4
10°	1016.8	1028.5	1089.8	1124.7	1169.4	1206.0	1244.2	1279.0	1315.5	1391.7	1549.4
12.5°	962.2	977.1	1046.7	1079.9	1131.3	1169.4	1215.9	1257.4	1300.6	1381.9	1534.5
15°	950.5	967.0	1033.5	1074.9	1119.6	1156.2	1197.7	1240.8	1283.9	1363.5	1499.6
17.5°	982.0	1001.9	1073.3	1119.6	1154.5	1196.0	1225.8	1267.4	1295.5	1358.6	1423.3
20°	1056.7	1079.9	1164.6	1209.3	1237.4	1264.1	1287.2	1312.2	1323.7	1338.7	1327.1
22.5°	1176.2	1204.3	1300.6	1351.9	1371.8	1391.7	1393.5	1396.8	1388.4	1348.6	1259.1
25°	1347.0	1375.1	1484.7	1534.5	1534.5	1534.5	1516.2	1503.0	1464.8	1390.0	1240.8
27.5°	1506.2	1542.7	1673.7	1705.3	1695.3	1680.4	1645.5	1612.4	1557.6	1433.2	1239.1
30°	1625.7	1662.1	1783.2	1808.1	1783.2	1746.8	1692.0	1643.9	1579.2	1454.7	1250.8
32.5°	1735.2	1778.3	1894.3	1897.7	1852.9	1811.4	1750.1	1695.3	1627.3	1494.6	1285.7
35°	1851.2	1894.3	2012.1	1988.9	1924.3	1867.8	1804.9	1756.6	1688.7	1546.1	1342.0
37.5°	2012.1	2050.3	2149.8	2095.0	2012.1	1939.2	1871.2	1808.1	1740.1	1615.7	1436.6
40°	2168.1	2222.9	2314.0	2226.2	2125.0	2027.0	1952.5	1886.1	1811.4	1710.2	1557.6
42.5°	2314.0	2365.5	2450.0	2337.3	2219.5	2121.7	2043.6	1972.4	1901.0	1818.1	1703.6
45°	2425.2	2478.3	2549.6	2430.2	2295.8	2194.6	2110.0	2047.0	1984.0	1927.5	1887.8
47.5°	2533.0	2586.1	2640.8	2511.5	2378.7	2275.9	2176.4	2118.3	2068.5	2038.7	2086.9
50°	2672.4	2708.9	2755.3	2616.0	2475.0	2357.2	2257.7	2212.9	2166.4	2176.4	2337.3
52.5°	2861.6	2893.0	2909.6	2773.6	2616.0	2481.6	2372.2	2310.8	2272.6	2330.7	2602.7
55°	3128.5	3173.4	3136.8	3002.5	2803.4	2650.8	2516.4	2443.5	2420.2	2498.2	2868.1
57.5°	3359.1	3379.1	3352.6	3219.7	3015.8	2844.9	2702.2	2625.9	2599.3	2702.2	3110.3
60°	3460.3	3485.2	3521.6	3407.2	3216.5	3047.3	2924.5	2849.9	2805.0	2924.5	3304.3
62.5°	3476.9	3518.4	3608.0	3549.9	3399.0	3272.9	3161.8	3058.9	3024.1	3115.3	3432.2
65°	3412.2	3475.3	3612.9	3591.3	3506.7	3458.7	3365.8	3286.1	3219.7	3229.8	3425.5
67.5°	3266.2	3339.2	3500.2	3490.2	3500.2	3500.2	3418.9	3352.6	3266.2	3143.5	3173.4
70°	2914.6	3010.8	3196.6	3244.7	3329.3	3329.3	3258.0	3156.7	3057.2	2805.0	2652.4
72.5°	2335.6	2400.3	2685.7	2919.5	3027.4	2984.2	2914.6	2745.4	2526.4	2249.4	2042.0
75°	1580.8	1619.0	1969.1	2396.9	2592.8	2556.3	2441.9	2231.1	2005.6	1697.0	1435.0
77.5°	880.9	930.6	1192.7	1527.7	1791.5	1786.5	1771.6	1637.3	1458.1	1202.7	1066.6
80°	517.5	534.1	671.8	915.7	1142.9	1088.2	1050.1	943.8	852.6	736.5	841.0
82.5°	316.8	300.2	381.5	557.4	675.2	651.9	587.2	547.3	504.3	472.8	559.0
85°	86.2	78.0	155.9	233.9	287.0	310.3	310.3	307.0	275.4	207.4	248.8
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):

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
0°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	1350.3	1351.9	1347.0	1358.6	1345.3	1338.7	1318.8	1318.8	1302.3	1288.9	1274.0
5°	1507.9	1517.9	1509.5	1511.2	1484.7	1458.1	1418.3	1395.1	1353.6	1308.8	1262.4
7.5°	1614.1	1630.6	1624.0	1595.7	1554.3	1497.9	1431.6	1368.6	1300.6	1227.5	1159.5
10°	1642.2	1660.4	1645.5	1592.4	1524.4	1444.8	1365.2	1280.6	1197.7	1119.6	1046.7
12.5°	1602.5	1615.7	1584.3	1526.1	1459.7	1380.2	1297.2	1224.2	1126.4	1043.4	958.9
15°	1501.2	1492.9	1489.6	1448.2	1401.7	1336.9	1259.1	1184.4	1093.1	1008.5	919.0
17.5°	1391.7	1381.9	1385.2	1368.6	1361.9	1332.1	1274.0	1210.9	1129.7	1026.9	930.6
20°	1295.5	1285.7	1290.5	1298.9	1323.7	1325.4	1315.5	1274.0	1214.3	1106.4	988.7
22.5°	1212.6	1214.3	1230.9	1254.0	1295.5	1348.6	1390.0	1398.4	1356.9	1230.9	1083.3
25°	1187.6	1179.5	1197.7	1235.8	1305.5	1408.4	1501.2	1547.7	1524.4	1398.4	1217.7
27.5°	1179.5	1167.9	1187.6	1237.4	1348.6	1492.9	1625.7	1695.3	1703.6	1574.2	1361.9
30°	1179.5	1174.4	1194.4	1259.1	1376.8	1521.1	1668.8	1773.3	1806.5	1698.7	1488.0
32.5°	1194.4	1197.7	1232.6	1315.5	1436.6	1584.3	1736.9	1849.6	1909.3	1828.1	1589.1
35°	1227.5	1234.2	1283.9	1380.2	1511.2	1660.4	1799.8	1914.3	2010.5	1967.4	1683.7
37.5°	1298.9	1308.8	1370.2	1468.1	1587.6	1721.9	1857.9	1980.7	2120.0	2101.8	1783.2
40°	1424.9	1424.9	1486.3	1571.0	1668.8	1771.6	1906.0	2050.3	2221.1	2246.0	1906.0
42.5°	1584.3	1577.5	1617.4	1678.8	1746.8	1833.0	1954.2	2115.0	2315.7	2370.4	1998.9
45°	1803.2	1770.0	1791.5	1806.5	1839.7	1892.7	2000.5	2176.4	2392.1	2463.3	2068.5
47.5°	2060.3	2013.8	1995.6	1967.4	1955.8	1975.6	2068.5	2224.6	2464.9	2543.0	2181.4
50°	2343.9	2299.1	2251.1	2174.8	2108.4	2088.5	2144.8	2289.2	2543.0	2642.5	2305.8
52.5°	2639.2	2607.7	2544.7	2425.2	2299.1	2227.8	2254.4	2396.9	2667.3	2796.9	2453.5
55°	2909.6	2919.5	2843.2	2703.9	2523.1	2413.6	2445.2	2587.7	2893.0	3045.6	2700.6
57.5°	3199.9	3173.4	3113.6	2969.3	2771.9	2654.1	2667.3	2839.9	3145.1	3261.3	2946.1
60°	3392.3	3392.3	3327.6	3218.2	3030.7	2921.2	2941.1	3100.4	3347.5	3359.1	3055.6
62.5°	3516.8	3535.0	3483.5	3405.6	3223.1	3131.9	3199.9	3312.7	3447.1	3350.9	3000.8
65°	3456.9	3476.9	3471.9	3385.7	3256.3	3249.7	3372.3	3399.0	3387.3	3229.8	2811.8
67.5°	3186.6	3146.9	3145.1	3100.4	3073.8	3211.5	3367.5	3375.7	3180.0	2992.5	2513.1
70°	2672.4	2604.4	2577.9	2591.1	2712.3	2969.3	3191.6	3128.5	2816.6	2655.7	2139.9
72.5°	2060.3	1979.0	1962.3	2013.8	2201.3	2563.0	2866.4	2778.5	2315.7	2128.3	1657.1
75°	1461.5	1426.6	1428.2	1529.5	1731.8	2080.1	2433.5	2425.2	1715.2	1468.1	1141.3
77.5°	1063.3	1069.9	1099.9	1139.6	1313.8	1650.5	1982.3	1960.7	1220.9	1008.5	798.0
80°	877.6	887.4	887.4	865.9	910.7	1089.8	1347.0	1438.2	817.7	678.5	557.4
82.5°	630.3	680.2	708.3	673.5	656.9	718.3	844.4	904.1	509.2	428.0	389.9
85°	300.2	343.4	353.3	344.9	396.4	452.8	482.7	494.3	278.7	199.1	255.5
87.5°	0.0	0.0	1.7	13.3	36.5	63.0	63.0	96.2	14.9	5.0	11.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°
0°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	1254.0	1232.6	1215.9	1196.0	1179.5	1162.9	1151.3	1126.4	1106.4	1061.7	1050.1
5°	1224.2	1177.8	1146.2	1116.4	1078.2	1051.6	1023.5	988.7	950.5	885.8	865.9
7.5°	1106.4	1048.4	1005.2	962.2	912.4	867.5	826.1	779.7	713.3	643.6	617.0
10°	978.7	917.3	857.6	806.2	746.5	696.7	660.3	627.1	573.9	520.8	486.1
12.5°	874.2	804.5	736.5	685.0	653.6	628.7	602.1	575.6	519.2	459.6	418.0
15°	826.1	744.9	685.0	642.0	613.7	583.9	552.4	522.5	456.2	386.5	336.8
17.5°	832.7	739.8	663.6	605.5	567.3	525.9	489.4	451.2	378.2	295.3	250.4
20°	869.2	744.9	640.3	572.3	517.5	464.4	418.0	369.9	280.3	215.6	184.2
22.5°	915.7	761.4	627.1	539.2	471.1	404.8	344.9	288.6	207.4	169.2	154.3
25°	995.3	799.5	623.7	509.2	426.3	346.7	285.3	225.7	167.5	149.3	141.0
27.5°	1094.9	842.7	627.1	487.7	388.2	300.2	232.2	187.5	150.9	141.0	134.4
30°	1194.4	887.4	612.1	454.5	343.4	257.2	199.1	170.9	149.3	137.7	126.0
32.5°	1282.3	920.7	587.2	419.7	303.5	219.0	169.2	146.0	131.1	117.8	114.4
35°	1345.3	935.6	559.0	398.1	277.0	195.7	149.3	131.1	116.2	102.9	96.2
37.5°	1404.9	937.2	529.2	378.2	267.1	185.8	137.7	121.1	107.9	96.2	89.7
40°	1466.4	930.6	512.7	358.3	252.2	180.8	132.7	112.7	104.6	91.3	84.6
42.5°	1511.2	919.0	505.9	346.7	238.9	167.5	129.4	111.1	99.5	89.7	81.3
45°	1552.7	907.4	505.9	336.8	228.9	159.3	122.8	112.7	96.2	87.9	78.0
47.5°	1602.5	912.4	507.6	328.4	220.6	150.9	116.2	109.4	97.8	86.2	76.3
50°	1687.1	968.7	515.9	323.5	214.0	144.3	111.1	104.6	107.9	84.6	74.6
52.5°	1833.0	1058.3	529.2	320.2	207.4	139.3	104.6	101.1	109.4	84.6	73.0
55°	2023.8	1149.7	542.5	311.8	197.4	129.4	101.1	94.5	101.1	84.6	71.3
57.5°	2209.7	1217.7	554.1	300.2	180.8	119.5	96.2	89.7	92.9	82.9	68.0
60°	2317.4	1270.7	565.7	280.3	160.9	107.9	91.3	84.6	82.9	82.9	66.4
62.5°	2347.2	1250.8	559.0	255.5	144.3	99.5	86.2	79.6	74.6	84.6	66.4
65°	2252.7	1146.2	534.1	233.9	132.7	96.2	81.3	76.3	71.3	73.0	63.0
67.5°	1962.3	963.8	466.1	214.0	131.1	94.5	78.0	73.0	66.4	64.7	59.6
70°	1600.8	756.5	386.5	199.1	129.4	94.5	74.6	68.0	63.0	58.1	54.8
72.5°	1230.9	565.7	325.2	192.5	131.1	92.9	69.7	61.4	56.4	53.1	49.8
75°	865.9	399.7	270.4	172.6	122.8	87.9	64.7	54.8	49.8	46.4	43.1
77.5°	627.1	272.1	200.7	139.3	104.6	76.3	56.4	46.4	41.5	39.9	36.5
80°	399.7	167.5	134.4	102.9	76.3	59.6	43.1	36.5	33.1	29.8	28.2
82.5°	230.5	97.8	81.3	69.7	49.8	39.9	31.5	28.2	21.6	19.9	18.2
85°	141.0	61.4	44.7	36.5	31.5	25.0	18.2	16.6	11.6	9.9	8.4
87.5°	31.5	13.3	11.6	8.4	9.9	8.4	5.0	3.3	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°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	1031.8	1006.9	1008.5	1003.6	990.3	968.7	962.2	950.5	952.1	958.9	952.1
5°	842.7	812.9	816.1	814.5	801.2	786.3	774.7	759.8	754.8	759.8	751.4
7.5°	597.1	577.3	583.9	598.8	597.1	588.9	579.0	562.4	559.0	560.7	545.8
10°	456.2	436.3	431.3	429.6	426.3	421.3	408.1	394.9	389.9	391.5	381.5
12.5°	381.5	364.9	344.9	326.8	310.3	303.5	287.0	278.7	277.0	277.0	272.1
15°	301.9	288.6	277.0	258.8	245.5	235.5	223.9	217.3	215.6	217.3	217.3
17.5°	225.7	219.0	214.0	212.3	205.7	199.1	192.5	189.1	187.5	187.5	189.1
20°	172.6	170.9	170.9	170.9	179.1	185.8	187.5	182.4	180.8	179.1	177.4
22.5°	149.3	147.6	149.3	159.3	154.3	149.3	149.3	149.3	149.3	149.3	150.9
25°	137.7	139.3	141.0	136.0	131.1	127.6	126.0	126.0	124.4	124.4	126.0
27.5°	131.1	129.4	127.6	124.4	121.1	116.2	114.4	112.7	112.7	112.7	112.7
30°	122.8	121.1	119.5	116.2	111.1	104.6	102.9	102.9	101.1	102.9	102.9
32.5°	112.7	111.1	109.4	106.2	101.1	97.8	96.2	92.9	92.9	92.9	94.5
35°	91.3	89.7	89.7	91.3	91.3	89.7	89.7	86.2	86.2	86.2	86.2
37.5°	84.6	82.9	82.9	81.3	82.9	84.6	82.9	81.3	81.3	79.6	79.6
40°	79.6	79.6	78.0	76.3	76.3	79.6	78.0	76.3	74.6	74.6	74.6
42.5°	76.3	74.6	74.6	73.0	73.0	73.0	71.3	69.7	68.0	68.0	68.0
45°	73.0	73.0	71.3	69.7	68.0	68.0	64.7	63.0	63.0	63.0	64.7
47.5°	71.3	69.7	69.7	68.0	66.4	63.0	61.4	59.6	59.6	59.6	59.6
50°	69.7	68.0	66.4	66.4	63.0	61.4	59.6	58.1	58.1	58.1	58.1
52.5°	68.0	66.4	64.7	63.0	61.4	59.6	58.1	56.4	56.4	56.4	56.4
55°	64.7	63.0	63.0	61.4	61.4	59.6	58.1	56.4	56.4	56.4	54.8
57.5°	63.0	61.4	59.6	59.6	59.6	58.1	56.4	54.8	54.8	54.8	54.8
60°	61.4	59.6	59.6	58.1	58.1	56.4	56.4	54.8	53.1	53.1	51.5
62.5°	59.6	58.1	58.1	56.4	58.1	56.4	54.8	53.1	51.5	51.5	49.8
65°	58.1	56.4	56.4	56.4	54.8	54.8	53.1	49.8	49.8	49.8	48.1
67.5°	54.8	53.1	53.1	54.8	53.1	51.5	51.5	48.1	48.1	46.4	46.4
70°	49.8	49.8	49.8	51.5	49.8	48.1	48.1	46.4	44.7	43.1	43.1
72.5°	46.4	44.7	46.4	46.4	46.4	44.7	46.4	43.1	41.5	39.9	39.9
75°	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	38.2	36.5	34.9
77.5°	31.5	33.1	33.1	33.1	33.1	34.9	33.1	33.1	33.1	31.5	29.8
80°	23.3	23.3	25.0	26.5	25.0	26.5	25.0	26.5	25.0	25.0	25.0
82.5°	13.3	13.3	14.9	16.6	16.6	18.2	14.9	16.6	16.6	18.2	16.6
85°	5.0	5.0	5.0	5.0	6.6	6.6	5.0	6.6	6.6	8.4	8.4
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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CANDELA DISTRIBUTION (continued):

	240°	242.5°	245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°
0°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	965.5	965.5	945.6	948.9	952.1	958.9	955.4	953.8	952.1	962.2	967.0
5°	758.1	756.5	731.5	730.0	734.8	736.5	731.5	723.2	718.3	719.9	724.9
7.5°	550.8	545.8	522.5	519.2	517.5	519.2	514.2	505.9	499.3	501.0	505.9
10°	384.8	371.6	368.2	369.9	373.2	376.6	376.6	376.6	378.2	388.2	399.7
12.5°	278.7	273.7	277.0	280.3	287.0	291.9	296.9	298.6	300.2	313.5	323.5
15°	220.6	220.6	223.9	225.7	228.9	232.2	235.5	235.5	237.2	242.3	250.4
17.5°	190.8	190.8	190.8	190.8	190.8	189.1	187.5	184.2	182.4	180.8	182.4
20°	175.9	174.2	170.9	169.2	165.8	162.5	160.9	155.9	154.3	149.3	147.6
22.5°	150.9	149.3	149.3	149.3	149.3	147.6	146.0	144.3	141.0	136.0	132.7
25°	124.4	124.4	124.4	126.0	126.0	127.6	131.1	131.1	131.1	131.1	126.0
27.5°	112.7	112.7	112.7	112.7	114.4	114.4	116.2	116.2	116.2	117.8	119.5
30°	102.9	104.6	104.6	106.2	106.2	107.9	107.9	109.4	109.4	111.1	111.1
32.5°	94.5	94.5	96.2	97.8	97.8	97.8	101.1	101.1	99.5	101.1	101.1
35°	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	81.3	79.6	81.3
37.5°	78.0	76.3	76.3	74.6	73.0	73.0	73.0	74.6	73.0	74.6	74.6
40°	71.3	71.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	71.3	73.0
42.5°	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	68.0	68.0
45°	63.0	63.0	63.0	63.0	64.7	64.7	64.7	64.7	64.7	64.7	66.4
47.5°	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	63.0	64.7
50°	58.1	58.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6	61.4	63.0
52.5°	56.4	56.4	56.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	59.6
55°	54.8	56.4	56.4	56.4	56.4	56.4	54.8	54.8	54.8	54.8	56.4
57.5°	53.1	53.1	54.8	54.8	54.8	53.1	53.1	51.5	51.5	51.5	54.8
60°	51.5	51.5	51.5	51.5	51.5	49.8	49.8	49.8	49.8	51.5	51.5
62.5°	49.8	49.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
65°	48.1	48.1	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
67.5°	44.7	44.7	44.7	43.1	43.1	43.1	43.1	44.7	43.1	43.1	43.1
70°	41.5	41.5	41.5	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
72.5°	38.2	38.2	38.2	38.2	36.5	36.5	36.5	36.5	36.5	36.5	36.5
75°	34.9	33.1	33.1	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
77.5°	29.8	28.2	28.2	28.2	26.5	26.5	26.5	26.5	26.5	26.5	26.5
80°	25.0	23.3	23.3	21.6	21.6	21.6	21.6	21.6	21.6	19.9	19.9
82.5°	18.2	16.6	16.6	16.6	16.6	14.9	14.9	14.9	14.9	13.3	11.6
85°	8.4	8.4	6.6	8.4	8.4	9.9	8.4	8.4	8.4	6.6	3.3
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°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	0°
2.5°	963.8	980.4	982.0	972.1	992.0	995.3	990.3	990.3	993.6	1006.9	1006.9	2.5°
5°	718.3	739.8	738.1	724.9	751.4	759.8	754.8	756.5	763.1	778.0	786.3	5°
7.5°	507.6	525.9	524.3	522.5	539.2	545.8	549.0	554.1	573.9	575.6	585.5	7.5°
10°	411.4	428.0	432.9	444.6	449.5	459.6	466.1	474.5	491.0	499.3	511.0	10°
12.5°	333.5	353.3	358.3	371.6	378.2	389.9	396.4	413.0	423.0	432.9	447.9	12.5°
15°	257.2	273.7	278.7	288.6	295.3	308.6	315.1	325.2	344.9	355.0	375.0	15°
17.5°	189.1	199.1	202.4	209.0	214.0	219.0	232.2	248.8	260.5	277.0	287.0	17.5°
20°	147.6	150.9	152.6	154.3	157.7	160.9	167.5	179.1	185.8	199.1	209.0	20°
22.5°	132.7	134.4	134.4	136.0	136.0	137.7	141.0	144.3	147.6	152.6	157.7	22.5°
25°	122.8	124.4	124.4	126.0	126.0	127.6	129.4	131.1	134.4	136.0	137.7	25°
27.5°	117.8	117.8	117.8	117.8	119.5	119.5	121.1	124.4	124.4	127.6	129.4	27.5°
30°	112.7	112.7	112.7	114.4	116.2	119.5	122.8	127.6	129.4	132.7	134.4	30°
32.5°	104.6	101.1	104.6	102.9	99.5	99.5	101.1	104.6	104.6	106.2	107.9	32.5°
35°	81.3	81.3	82.9	84.6	84.6	86.2	87.9	89.7	91.3	94.5	96.2	35°
37.5°	76.3	78.0	78.0	79.6	81.3	81.3	82.9	86.2	87.9	89.7	91.3	37.5°
40°	73.0	74.6	76.3	78.0	78.0	79.6	81.3	82.9	84.6	87.9	89.7	40°
42.5°	69.7	73.0	73.0	74.6	76.3	78.0	79.6	81.3	84.6	86.2	87.9	42.5°
45°	68.0	69.7	71.3	73.0	74.6	76.3	78.0	81.3	82.9	86.2	87.9	45°
47.5°	66.4	68.0	69.7	71.3	73.0	74.6	76.3	79.6	82.9	86.2	89.7	47.5°
50°	63.0	66.4	68.0	69.7	71.3	73.0	76.3	79.6	82.9	87.9	96.2	50°
52.5°	61.4	64.7	64.7	68.0	69.7	73.0	76.3	79.6	84.6	91.3	99.5	52.5°
55°	58.1	61.4	61.4	64.7	68.0	71.3	73.0	78.0	82.9	89.7	91.3	55°
57.5°	54.8	58.1	59.6	61.4	64.7	68.0	69.7	74.6	81.3	82.9	81.3	57.5°
60°	53.1	54.8	56.4	58.1	61.4	63.0	68.0	78.0	84.6	78.0	69.7	60°
62.5°	49.8	53.1	54.8	56.4	59.6	61.4	64.7	71.3	73.0	64.7	63.0	62.5°
65°	48.1	51.5	51.5	54.8	56.4	56.4	58.1	58.1	58.1	58.1	58.1	65°
67.5°	44.7	48.1	48.1	49.8	51.5	51.5	53.1	53.1	53.1	53.1	53.1	67.5°
70°	41.5	43.1	44.7	46.4	46.4	46.4	48.1	48.1	48.1	49.8	49.8	70°
72.5°	38.2	39.9	39.9	41.5	41.5	43.1	43.1	44.7	44.7	44.7	46.4	72.5°
75°	31.5	33.1	34.9	36.5	36.5	38.2	38.2	38.2	38.2	39.9	39.9	75°
77.5°	26.5	26.5	29.8	29.8	31.5	31.5	33.1	33.1	33.1	33.1	33.1	77.5°
80°	19.9	19.9	21.6	23.3	25.0	25.0	25.0	25.0	25.0	25.0	25.0	80°
82.5°	11.6	11.6	13.3	13.3	14.9	14.9	16.6	14.9	14.9	13.3	13.3	82.5°
85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	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°
1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	0°	1159.5
1031.8	1031.8	1035.0	1048.4	1051.6	1060.0	1058.3	1073.3	1079.9	1119.6	1161.1	2.5°	1201.0
816.1	822.8	832.7	849.3	859.3	877.6	874.2	904.1	909.1	982.0	1053.4	5°	1136.3
608.8	618.8	627.1	645.3	660.3	678.5	683.4	718.3	728.3	824.5	924.0	7.5°	1038.4
527.6	535.7	547.3	559.0	573.9	582.2	595.6	612.1	623.7	695.1	809.6	10°	940.5
469.5	481.0	492.7	509.2	524.3	539.2	552.4	569.0	583.9	642.0	731.5	12.5°	882.5
398.1	411.4	424.7	443.0	464.4	479.3	494.3	512.7	530.8	602.1	706.7	15°	859.3
308.6	323.5	341.7	366.6	389.9	408.1	423.0	447.9	471.1	557.4	695.1	17.5°	882.5
227.2	240.6	257.2	278.7	295.3	326.8	343.4	373.2	401.5	509.2	678.5	20°	927.3
167.5	175.9	189.1	205.7	223.9	252.2	270.4	296.9	328.4	464.4	678.5	22.5°	1003.6
141.0	144.3	149.3	159.3	170.9	190.8	209.0	235.5	267.1	424.7	696.7	25°	1128.0
131.1	132.7	136.0	141.0	147.6	157.7	170.9	192.5	223.9	393.2	723.2	27.5°	1260.7
137.7	137.7	137.7	139.3	142.7	147.6	154.3	167.5	187.5	346.7	741.6	30°	1376.8
111.1	112.7	112.7	116.2	117.8	124.4	131.1	141.0	159.3	318.4	753.0	32.5°	1459.7
99.5	101.1	102.9	104.6	107.9	109.4	116.2	127.6	146.0	300.2	751.4	35°	1557.6
94.5	96.2	97.8	97.8	99.5	102.9	107.9	119.5	141.0	293.7	751.4	37.5°	1670.5
92.9	92.9	92.9	92.9	96.2	99.5	107.9	119.5	137.7	287.0	756.5	40°	1794.8
89.7	89.7	89.7	91.3	96.2	102.9	106.2	112.7	127.6	283.7	764.7	42.5°	1907.6
89.7	89.7	91.3	97.8	99.5	99.5	101.1	106.2	121.1	283.7	781.3	45°	1995.6
92.9	96.2	97.8	96.2	94.5	94.5	94.5	101.1	116.2	288.6	812.9	47.5°	2096.7
101.1	99.5	92.9	91.3	91.3	87.9	89.7	96.2	114.4	288.6	877.6	50°	2236.2
99.5	92.9	91.3	87.9	84.6	82.9	84.6	94.5	112.7	285.3	970.3	52.5°	2440.2
89.7	87.9	82.9	79.6	78.0	79.6	82.9	91.3	109.4	282.0	1084.8	55°	2687.3
78.0	76.3	73.0	73.0	74.6	76.3	81.3	87.9	101.1	273.7	1176.2	57.5°	2914.6
68.0	68.0	68.0	69.7	71.3	73.0	78.0	82.9	92.9	258.8	1237.4	60°	3060.5
61.4	63.0	63.0	66.4	68.0	69.7	73.0	78.0	84.6	242.3	1250.8	62.5°	3062.2
58.1	59.6	61.4	61.4	63.0	64.7	69.7	74.6	84.6	228.9	1169.4	65°	2941.1
54.8	54.8	56.4	58.1	59.6	61.4	64.7	73.0	86.2	217.3	992.0	67.5°	2634.2
49.8	51.5	53.1	54.8	54.8	56.4	61.4	73.0	87.9	212.3	787.9	70°	2224.6
46.4	46.4	48.1	49.8	49.8	53.1	58.1	71.3	89.7	204.1	593.9	72.5°	1735.2
39.9	41.5	41.5	41.5	43.1	46.4	53.1	64.7	78.0	169.2	401.5	75°	1176.2
34.9	33.1	34.9	34.9	36.5	38.2	43.1	49.8	58.1	107.9	212.3	77.5°	748.1
25.0	23.3	23.3	25.0	25.0	25.0	28.2	29.8	33.1	66.4	117.8	80°	441.2
13.3	11.6	13.3	11.6	11.6	13.3	13.3	16.6	16.6	31.5	53.1	82.5°	273.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	11.6	85°	111.1
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°
1159.5	1159.5
1220.9	1230.9
1177.8	1191.1
1084.8	1103.1
998.6	1016.8
952.1	962.2
930.6	950.5
962.2	982.0
1025.1	1056.7
1136.3	1176.2
1312.2	1347.0
1451.5	1506.2
1580.8	1625.7
1683.7	1735.2
1801.6	1851.2
1944.1	2012.1
2091.8	2168.1
2229.4	2314.0
2358.9	2425.2
2458.4	2533.0
2584.4	2672.4
2798.4	2861.6
3057.2	3128.5
3297.8	3359.1
3408.9	3460.3
3412.2	3476.9
3339.2	3412.2
3153.4	3266.2
2788.5	2914.6
2191.3	2335.6
1454.7	1580.8
839.4	880.9
496.0	517.5
295.3	316.8
79.6	86.2
0.0	0.0
0.0	0.0

(END OF REPORT)