

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: P271525

Luminaire Tested: **ISS-AF-800-LED-E1-SLL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271525
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-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: 3545.1 lumens
Efficiency: N/A
Efficacy: 81.5 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

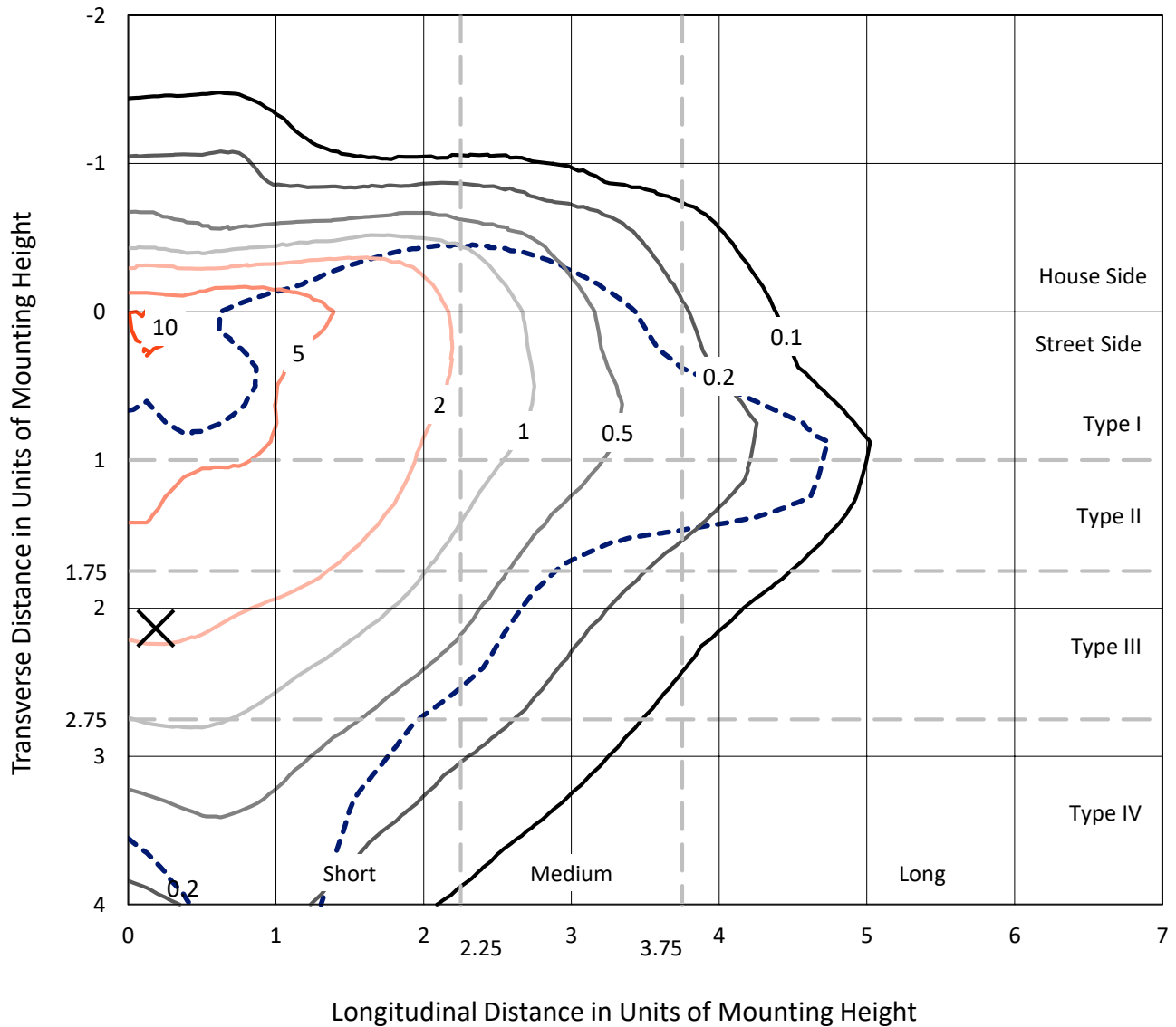
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

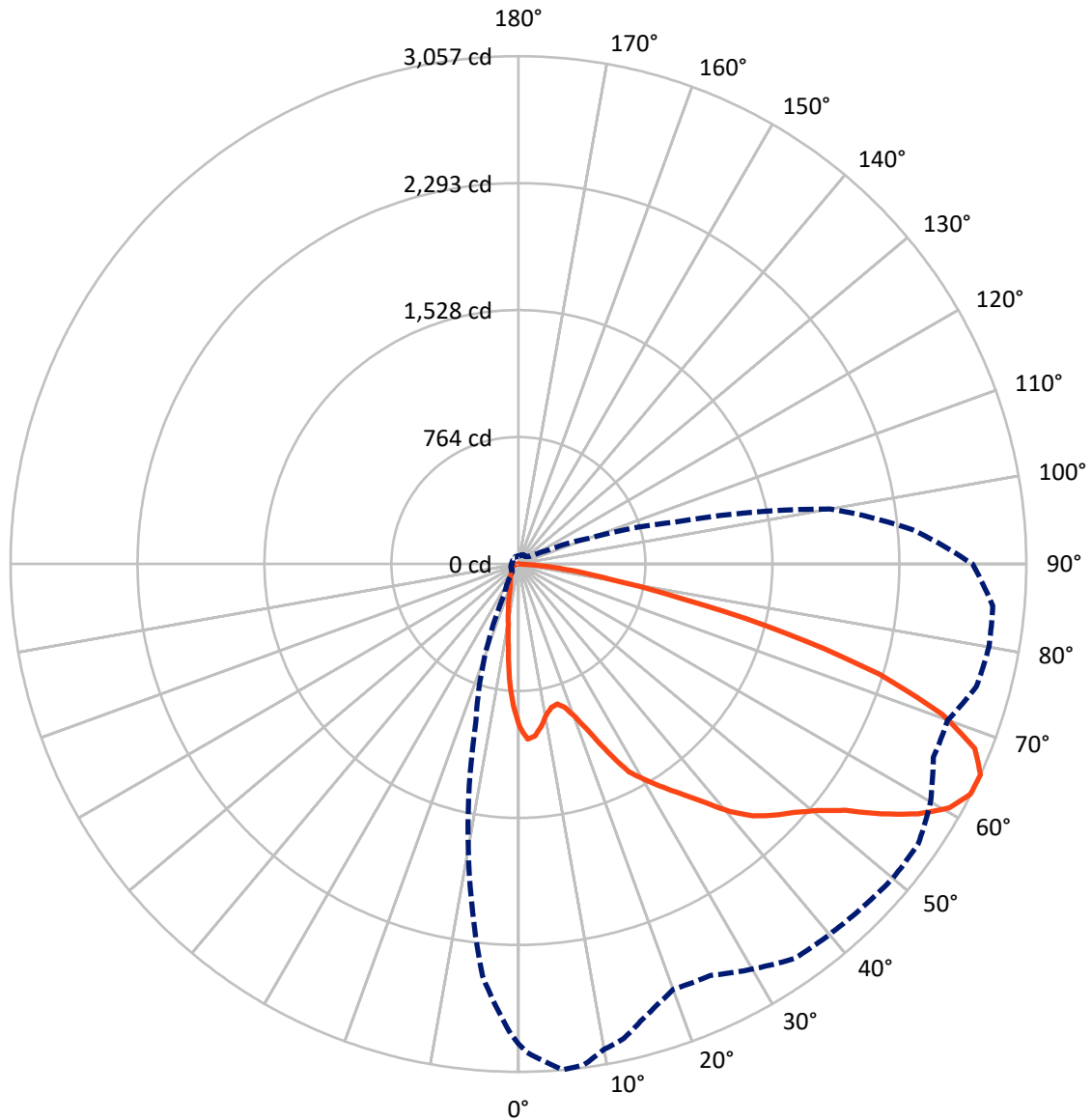
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 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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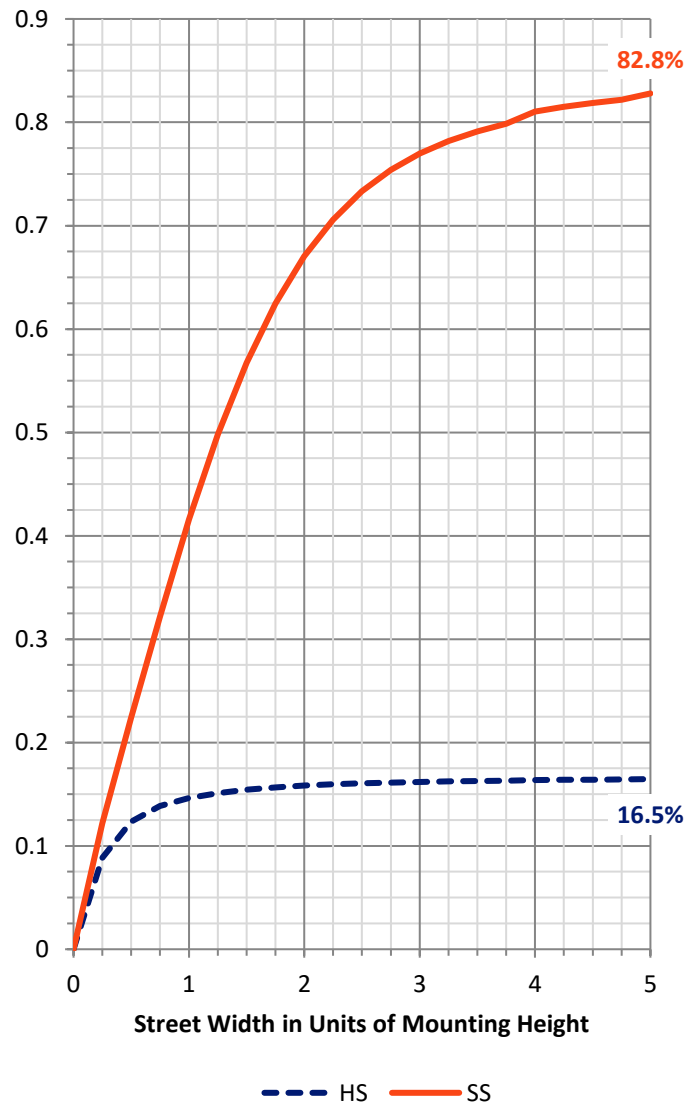
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	589.5	0.0	589.5
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	2955.6	0.0	2955.6
	% Fixture	83.4	0.0	83.4
Total	Lumens	3545.1	0.0	3545.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.3	2.1
10°-20°	155.2	4.4
20°-30°	225.7	6.4
30°-40°	333.7	9.4
40°-50°	486.3	13.7
50°-60°	728.9	20.6
60°-70°	908.4	25.6
70°-80°	532.1	15.0
80°-90°	99.5	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°	3545.1	100.0
0°-180°	3545.1	100.0



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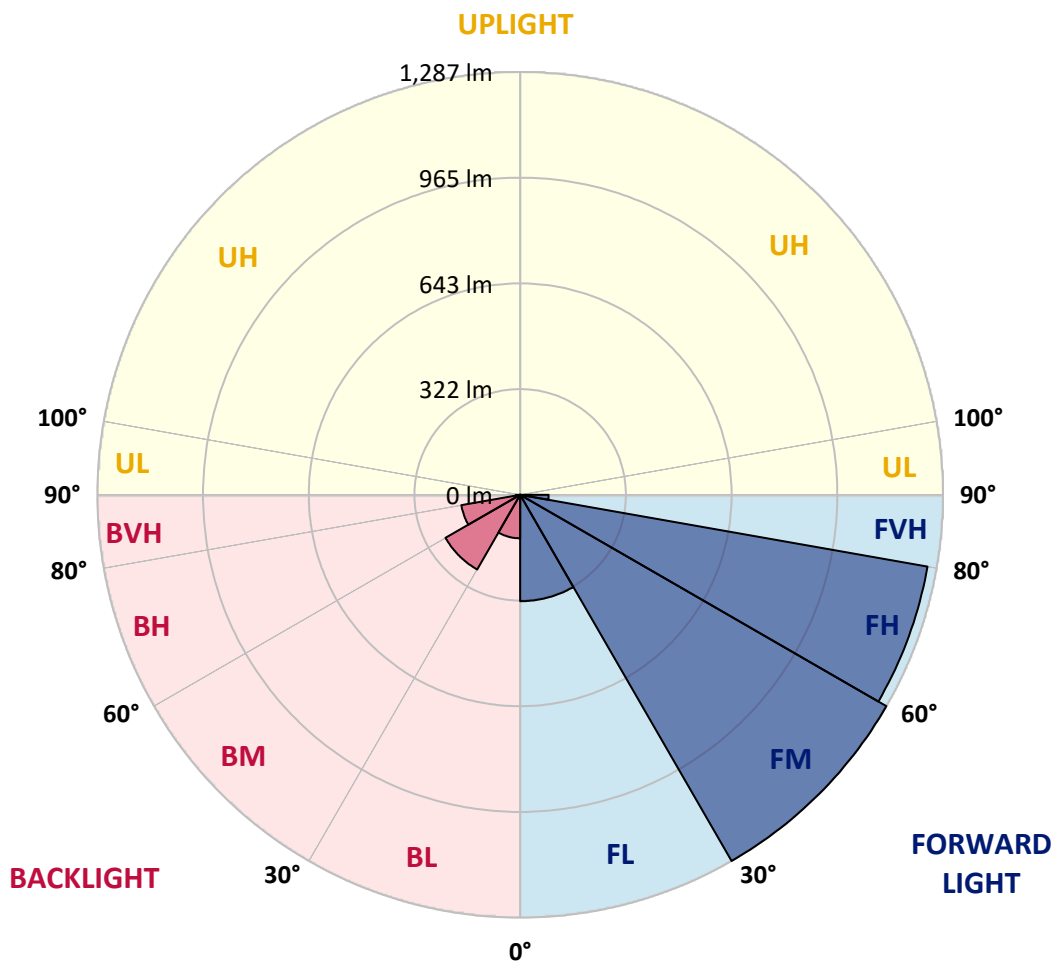
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	323.9	9.1			
FM	(30°-60°)	1286.6	36.3			
FH	(60°-80°)	1258.5	35.5			G1/1800
FVH	(80°-90°)	86.7	2.4			G1/100
BL	(0°-30°)	132.4	3.7	B1/500		
BM	(30°-60°)	262.4	7.4	B1/1000		
BH	(60°-80°)	181.9	5.1	B1/500		G1/500
BVH	(80°-90°)	12.8	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°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1
2.5°	1041.5	1038.6	1055.5	1058.2	1069.5	1069.5	1082.1	1093.3	1097.5	1107.4	1132.7
5°	1007.8	1016.2	1040.0	1064.0	1080.8	1097.5	1115.9	1138.2	1156.5	1187.4	1252.0
7.5°	933.4	945.9	986.7	1010.5	1037.3	1066.6	1089.1	1115.9	1143.9	1195.8	1310.9
10°	860.4	870.2	922.1	951.7	989.6	1020.4	1052.6	1082.1	1113.0	1177.6	1310.9
12.5°	814.0	826.7	885.5	913.7	957.2	989.6	1028.8	1064.0	1100.3	1169.1	1298.3
15°	804.3	818.3	874.4	909.5	947.4	978.3	1013.4	1049.8	1086.3	1153.7	1268.8
17.5°	830.9	847.7	908.1	947.4	976.9	1011.9	1037.3	1072.3	1096.1	1149.5	1204.3
20°	894.0	913.7	985.4	1023.2	1047.1	1069.5	1089.1	1110.1	1120.1	1132.7	1122.8
22.5°	995.1	1018.9	1100.3	1143.9	1160.7	1177.6	1178.9	1181.8	1174.7	1141.0	1065.3
25°	1139.7	1163.6	1256.2	1298.3	1298.3	1298.3	1282.8	1271.6	1239.3	1176.2	1049.8
27.5°	1274.4	1305.2	1416.2	1442.9	1434.4	1421.7	1392.4	1364.3	1317.9	1212.6	1048.4
30°	1375.5	1406.4	1508.8	1529.8	1508.8	1477.9	1431.6	1390.8	1336.2	1230.9	1058.2
32.5°	1468.1	1504.6	1602.8	1605.6	1567.7	1532.7	1480.8	1434.4	1376.8	1264.5	1087.8
35°	1566.4	1602.8	1702.5	1682.9	1628.1	1580.4	1527.1	1486.3	1428.8	1308.1	1135.5
37.5°	1702.5	1734.8	1819.0	1772.6	1702.5	1640.8	1583.3	1529.8	1472.3	1367.0	1215.5
40°	1834.4	1880.7	1957.9	1883.6	1798.0	1715.1	1651.9	1595.7	1532.7	1447.0	1317.9
42.5°	1957.9	2001.4	2073.0	1977.6	1878.0	1795.2	1729.1	1668.8	1608.4	1538.3	1441.4
45°	2052.0	2096.8	2157.2	2056.2	1942.5	1856.9	1785.3	1731.9	1678.7	1631.0	1597.3
47.5°	2143.2	2188.1	2234.4	2124.9	2012.7	1925.7	1841.4	1792.3	1750.2	1724.9	1765.7
50°	2261.1	2291.9	2331.3	2213.3	2094.1	1994.5	1910.2	1872.2	1833.0	1841.4	1977.6
52.5°	2421.1	2447.8	2461.9	2346.7	2213.3	2099.7	2007.0	1955.1	1922.8	1972.0	2202.1
55°	2647.0	2684.9	2654.1	2540.4	2372.0	2242.9	2129.2	2067.4	2047.8	2113.7	2426.7
57.5°	2842.1	2858.9	2836.6	2724.3	2551.6	2407.1	2286.4	2221.8	2199.3	2286.4	2631.7
60°	2927.8	2948.9	2979.7	2882.9	2721.4	2578.2	2474.4	2411.3	2373.4	2474.4	2795.9
62.5°	2941.8	2976.9	3052.7	3003.6	2875.8	2769.1	2675.2	2588.2	2558.6	2635.9	2904.0
65°	2887.1	2940.4	3056.9	3038.7	2967.1	2926.4	2847.8	2780.4	2724.3	2732.6	2898.3
67.5°	2763.5	2825.3	2961.4	2953.1	2961.4	2961.4	2892.7	2836.6	2763.5	2659.7	2684.9
70°	2465.9	2547.4	2704.5	2745.3	2816.8	2816.8	2756.6	2670.9	2586.7	2373.4	2244.2
72.5°	1976.2	2030.9	2272.4	2470.2	2561.4	2525.0	2465.9	2322.8	2137.6	1903.1	1727.8
75°	1337.6	1369.8	1666.0	2028.1	2193.8	2162.8	2066.0	1887.8	1696.9	1435.9	1214.1
77.5°	745.2	787.4	1009.2	1292.6	1515.8	1511.6	1499.0	1385.3	1233.7	1017.6	902.4
80°	437.9	451.9	568.4	774.8	967.0	920.8	888.4	798.6	721.4	623.2	711.5
82.5°	268.1	254.0	322.9	471.6	571.2	551.6	496.9	463.2	426.7	400.0	473.0
85°	73.0	65.9	131.9	197.9	242.8	262.5	262.5	259.7	233.0	175.5	210.6
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):

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
0°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1
2.5°	1142.5	1143.9	1139.7	1149.5	1138.2	1132.7	1115.9	1115.9	1101.8	1090.5	1078.0
5°	1275.9	1284.3	1277.2	1278.6	1256.2	1233.7	1200.0	1180.4	1145.2	1107.4	1068.1
7.5°	1365.6	1379.7	1374.0	1350.2	1315.1	1267.4	1211.3	1157.9	1100.3	1038.6	981.1
10°	1389.5	1404.9	1392.4	1347.4	1289.9	1222.4	1155.1	1083.5	1013.4	947.4	885.5
12.5°	1355.8	1367.0	1340.5	1291.2	1235.1	1167.8	1097.5	1035.8	953.0	882.9	811.3
15°	1270.2	1263.2	1260.4	1225.3	1186.0	1131.2	1065.3	1002.1	925.0	853.4	777.6
17.5°	1177.6	1169.1	1172.0	1157.9	1152.3	1127.0	1078.0	1024.6	955.8	868.8	787.4
20°	1096.1	1087.8	1092.0	1099.0	1120.1	1121.4	1113.0	1078.0	1027.4	936.1	836.5
22.5°	1026.0	1027.4	1041.5	1061.1	1096.1	1141.0	1176.2	1183.2	1148.1	1041.5	916.5
25°	1004.9	997.8	1013.4	1045.6	1104.6	1191.6	1270.2	1309.5	1289.9	1183.2	1030.2
27.5°	997.8	988.0	1004.9	1047.1	1141.0	1263.2	1375.5	1434.4	1441.4	1332.0	1152.3
30°	997.8	993.7	1010.5	1065.3	1164.9	1287.0	1412.0	1500.3	1528.5	1437.2	1259.0
32.5°	1010.5	1013.4	1042.8	1113.0	1215.5	1340.5	1469.4	1564.9	1615.5	1546.7	1344.7
35°	1038.6	1044.2	1086.3	1167.8	1278.6	1404.9	1522.9	1619.6	1701.1	1664.6	1424.6
37.5°	1099.0	1107.4	1159.4	1242.2	1343.1	1456.9	1571.9	1675.8	1793.7	1778.3	1508.8
40°	1205.6	1205.6	1257.5	1329.1	1412.0	1499.0	1612.6	1734.8	1879.3	1900.4	1612.6
42.5°	1340.5	1334.7	1368.5	1420.4	1477.9	1550.9	1653.4	1789.5	1959.3	2005.6	1691.3
45°	1525.6	1497.6	1515.8	1528.5	1556.5	1601.5	1692.7	1841.4	2023.9	2084.2	1750.2
47.5°	1743.3	1703.8	1688.5	1664.6	1654.8	1671.7	1750.2	1882.2	2085.7	2151.6	1845.7
50°	1983.2	1945.3	1904.6	1840.1	1783.9	1767.1	1814.8	1936.8	2151.6	2235.8	1950.8
52.5°	2233.1	2206.3	2153.0	2052.0	1945.3	1884.9	1907.4	2028.1	2256.9	2366.3	2075.8
55°	2461.9	2470.2	2405.8	2287.7	2134.8	2042.2	2068.8	2189.5	2447.8	2576.9	2285.0
57.5°	2707.4	2684.9	2634.4	2512.3	2345.4	2245.7	2256.9	2402.9	2661.0	2759.3	2492.7
60°	2870.3	2870.3	2815.5	2722.9	2564.2	2471.7	2488.5	2623.2	2832.4	2842.1	2585.3
62.5°	2975.5	2991.0	2947.4	2881.4	2727.1	2649.9	2707.4	2802.8	2916.5	2835.1	2539.0
65°	2925.0	2941.8	2937.5	2864.7	2755.1	2749.5	2853.4	2875.8	2866.0	2732.6	2379.0
67.5°	2696.3	2662.5	2661.0	2623.2	2600.8	2717.2	2849.2	2856.3	2690.5	2532.1	2126.4
70°	2261.1	2203.5	2181.1	2192.3	2294.8	2512.3	2700.5	2647.0	2383.2	2247.1	1810.5
72.5°	1743.3	1674.4	1660.3	1703.8	1862.5	2168.5	2425.3	2351.0	1959.3	1800.7	1402.2
75°	1236.4	1207.1	1208.4	1294.1	1465.2	1760.0	2058.9	2052.0	1451.2	1242.2	965.7
77.5°	899.7	905.3	930.6	964.2	1111.7	1396.5	1677.2	1659.0	1033.1	853.4	675.1
80°	742.4	750.9	750.9	732.7	770.6	922.1	1139.7	1216.8	692.0	574.1	471.6
82.5°	533.3	575.5	599.3	569.9	555.8	607.7	714.4	765.0	430.8	362.1	329.9
85°	254.0	290.5	299.0	291.9	335.4	383.1	408.4	418.3	235.7	168.4	216.1
87.5°	0.0	0.0	1.3	11.2	30.9	53.3	53.3	81.4	12.7	4.2	9.8
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°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1
2.5°	1061.1	1042.8	1028.8	1011.9	997.8	983.8	974.0	953.0	936.1	898.2	888.4
5°	1035.8	996.5	969.8	944.6	912.3	889.8	866.0	836.5	804.3	749.5	732.7
7.5°	936.1	887.1	850.5	814.0	771.9	734.1	698.9	659.6	603.5	544.6	522.2
10°	828.1	776.1	725.7	682.2	631.6	589.5	558.6	530.4	485.6	440.7	411.2
12.5°	739.7	680.7	623.2	579.7	553.0	532.0	509.5	487.0	439.3	388.8	353.8
15°	698.9	630.3	579.7	543.1	519.3	494.1	467.4	442.1	386.0	327.1	284.9
17.5°	704.6	626.0	561.4	512.3	480.1	444.9	414.1	381.8	320.0	249.8	211.9
20°	735.4	630.3	541.8	484.3	437.9	393.0	353.8	313.0	237.2	182.4	155.8
22.5°	774.8	644.3	530.4	456.2	398.6	342.4	291.9	244.2	175.5	143.2	130.5
25°	842.1	676.5	527.8	430.8	360.7	293.4	241.5	190.9	141.8	126.3	119.4
27.5°	926.3	713.0	530.4	412.6	328.4	254.0	196.5	158.6	127.6	119.4	113.6
30°	1010.5	750.9	518.0	384.6	290.5	217.6	168.4	144.5	126.3	116.5	106.7
32.5°	1085.0	779.0	496.9	355.1	256.8	185.3	143.2	123.4	110.9	99.6	96.8
35°	1138.2	791.6	473.0	336.9	234.4	165.6	126.3	110.9	98.3	87.0	81.4
37.5°	1188.7	793.0	447.7	320.0	225.9	157.2	116.5	102.5	91.3	81.4	75.7
40°	1240.6	787.4	433.7	303.2	213.3	153.0	112.3	95.4	88.4	77.3	71.5
42.5°	1278.6	777.6	428.1	293.4	202.1	141.8	109.4	94.1	84.2	75.7	68.8
45°	1313.7	767.7	428.1	284.9	193.7	134.7	103.8	95.4	81.4	74.4	65.9
47.5°	1355.8	771.9	429.5	277.8	186.7	127.6	98.3	92.6	82.8	73.0	64.6
50°	1427.4	819.6	436.5	273.7	181.1	122.1	94.1	88.4	91.3	71.5	63.2
52.5°	1550.9	895.5	447.7	270.9	175.5	117.9	88.4	85.6	92.6	71.5	61.7
55°	1712.3	972.7	458.9	263.8	167.1	109.4	85.6	79.9	85.6	71.5	60.4
57.5°	1869.6	1030.2	468.7	254.0	153.0	101.1	81.4	75.7	78.6	70.2	57.5
60°	1960.7	1075.1	478.5	237.2	136.1	91.3	77.3	71.5	70.2	70.2	56.1
62.5°	1986.1	1058.2	473.0	216.1	122.1	84.2	73.0	67.4	63.2	71.5	56.1
65°	1906.0	969.8	451.9	197.9	112.3	81.4	68.8	64.6	60.4	61.7	53.3
67.5°	1660.3	815.4	394.4	181.1	110.9	79.9	65.9	61.7	56.1	54.8	50.6
70°	1354.5	640.0	327.1	168.4	109.4	79.9	63.2	57.5	53.3	49.1	46.4
72.5°	1041.5	478.5	275.2	162.9	110.9	78.6	59.0	51.9	47.7	44.9	42.1
75°	732.7	338.2	228.8	146.0	103.8	74.4	54.8	46.4	42.1	39.3	36.5
77.5°	530.4	230.1	169.8	117.9	88.4	64.6	47.7	39.3	35.1	33.7	30.9
80°	338.2	141.8	113.6	87.0	64.6	50.6	36.5	30.9	28.0	25.2	23.9
82.5°	195.1	82.8	68.8	59.0	42.1	33.7	26.7	23.9	18.2	16.9	15.5
85°	119.4	51.9	37.9	30.9	26.7	21.1	15.5	14.0	9.8	8.4	7.1
87.5°	26.7	11.2	9.8	7.1	8.4	7.1	4.2	2.9	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°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1
2.5°	873.1	852.0	853.4	849.2	837.8	819.6	814.0	804.3	805.6	811.3	805.6
5°	713.0	687.7	690.5	689.1	678.0	665.3	655.4	642.7	638.7	642.7	635.8
7.5°	505.3	488.4	494.1	506.6	505.3	498.3	489.8	475.8	473.0	474.3	461.8
10°	386.0	369.1	364.9	363.5	360.7	356.4	345.3	334.0	329.9	331.3	322.9
12.5°	322.9	308.7	291.9	276.5	262.5	256.8	242.8	235.7	234.4	234.4	230.1
15°	255.5	244.2	234.4	219.0	207.7	199.3	189.5	183.8	182.4	183.8	183.8
17.5°	190.9	185.3	181.1	179.6	174.0	168.4	162.9	160.0	158.6	158.6	160.0
20°	146.0	144.5	144.5	144.5	151.5	157.2	158.6	154.4	153.0	151.5	150.2
22.5°	126.3	125.0	126.3	134.7	130.5	126.3	126.3	126.3	126.3	126.3	127.6
25°	116.5	117.9	119.4	115.2	110.9	108.1	106.7	106.7	105.3	105.3	106.7
27.5°	110.9	109.4	108.1	105.3	102.5	98.3	96.8	95.4	95.4	95.4	95.4
30°	103.8	102.5	101.1	98.3	94.1	88.4	87.0	87.0	85.6	87.0	87.0
32.5°	95.4	94.1	92.6	89.8	85.6	82.8	81.4	78.6	78.6	78.6	79.9
35°	77.3	75.7	75.7	77.3	77.3	75.7	75.7	73.0	73.0	73.0	73.0
37.5°	71.5	70.2	70.2	68.8	70.2	71.5	70.2	68.8	68.8	67.4	67.4
40°	67.4	67.4	65.9	64.6	64.6	67.4	65.9	64.6	63.2	63.2	63.2
42.5°	64.6	63.2	63.2	61.7	61.7	61.7	60.4	59.0	57.5	57.5	57.5
45°	61.7	61.7	60.4	59.0	57.5	57.5	54.8	53.3	53.3	53.3	54.8
47.5°	60.4	59.0	59.0	57.5	56.1	53.3	51.9	50.6	50.6	50.6	50.6
50°	59.0	57.5	56.1	56.1	53.3	51.9	50.6	49.1	49.1	49.1	49.1
52.5°	57.5	56.1	54.8	53.3	51.9	50.6	49.1	47.7	47.7	47.7	47.7
55°	54.8	53.3	53.3	51.9	51.9	50.6	49.1	47.7	47.7	47.7	46.4
57.5°	53.3	51.9	50.6	50.6	50.6	49.1	47.7	46.4	46.4	46.4	46.4
60°	51.9	50.6	50.6	49.1	49.1	47.7	47.7	46.4	44.9	44.9	43.5
62.5°	50.6	49.1	49.1	47.7	49.1	47.7	46.4	44.9	43.5	43.5	42.1
65°	49.1	47.7	47.7	47.7	46.4	46.4	44.9	42.1	42.1	42.1	40.7
67.5°	46.4	44.9	44.9	46.4	44.9	43.5	43.5	40.7	40.7	39.3	39.3
70°	42.1	42.1	42.1	43.5	42.1	40.7	40.7	39.3	37.9	36.5	36.5
72.5°	39.3	37.9	39.3	39.3	39.3	37.9	39.3	36.5	35.1	33.7	33.7
75°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	32.2	30.9	29.5
77.5°	26.7	28.0	28.0	28.0	28.0	29.5	28.0	28.0	28.0	26.7	25.2
80°	19.7	19.7	21.1	22.5	21.1	22.5	21.1	22.5	21.1	21.1	21.1
82.5°	11.2	11.2	12.7	14.0	14.0	15.5	12.7	14.0	14.0	15.5	14.0
85°	4.2	4.2	4.2	4.2	5.6	5.6	4.2	5.6	5.6	7.1	7.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	240°	242.5°	245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°
0°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1
2.5°	816.9	816.9	800.0	802.8	805.6	811.3	808.5	807.0	805.6	814.0	818.3
5°	641.4	640.0	618.9	617.6	621.8	623.2	618.9	611.9	607.7	609.1	613.4
7.5°	466.0	461.8	442.1	439.3	437.9	439.3	435.0	428.1	422.5	423.9	428.1
10°	325.6	314.4	311.6	313.0	315.8	318.6	318.6	318.6	320.0	328.4	338.2
12.5°	235.7	231.7	234.4	237.2	242.8	247.0	251.3	252.6	254.0	265.3	273.7
15°	186.7	186.7	189.5	190.9	193.7	196.5	199.3	199.3	200.7	204.9	211.9
17.5°	161.4	161.4	161.4	161.4	161.4	160.0	158.6	155.8	154.4	153.0	154.4
20°	148.8	147.4	144.5	143.2	140.3	137.5	136.1	131.9	130.5	126.3	125.0
22.5°	127.6	126.3	126.3	126.3	126.3	125.0	123.4	122.1	119.4	115.2	112.3
25°	105.3	105.3	105.3	106.7	106.7	108.1	110.9	110.9	110.9	110.9	106.7
27.5°	95.4	95.4	95.4	95.4	96.8	96.8	98.3	98.3	98.3	99.6	101.1
30°	87.0	88.4	88.4	89.8	89.8	91.3	91.3	92.6	92.6	94.1	94.1
32.5°	79.9	79.9	81.4	82.8	82.8	82.8	85.6	85.6	84.2	85.6	85.6
35°	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	68.8	67.4	68.8
37.5°	65.9	64.6	64.6	63.2	61.7	61.7	61.7	63.2	61.7	63.2	63.2
40°	60.4	60.4	59.0	59.0	59.0	59.0	59.0	59.0	59.0	60.4	61.7
42.5°	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	57.5	57.5
45°	53.3	53.3	53.3	53.3	54.8	54.8	54.8	54.8	54.8	54.8	56.1
47.5°	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	53.3	54.8
50°	49.1	49.1	50.6	50.6	50.6	50.6	50.6	50.6	50.6	51.9	53.3
52.5°	47.7	47.7	47.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	50.6
55°	46.4	47.7	47.7	47.7	47.7	47.7	46.4	46.4	46.4	46.4	47.7
57.5°	44.9	44.9	46.4	46.4	46.4	44.9	44.9	43.5	43.5	43.5	46.4
60°	43.5	43.5	43.5	43.5	43.5	42.1	42.1	42.1	42.1	43.5	43.5
62.5°	42.1	42.1	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
65°	40.7	40.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
67.5°	37.9	37.9	37.9	36.5	36.5	36.5	36.5	37.9	36.5	36.5	36.5
70°	35.1	35.1	35.1	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
72.5°	32.2	32.2	32.2	32.2	30.9	30.9	30.9	30.9	30.9	30.9	30.9
75°	29.5	28.0	28.0	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
77.5°	25.2	23.9	23.9	23.9	22.5	22.5	22.5	22.5	22.5	22.5	22.5
80°	21.1	19.7	19.7	18.2	18.2	18.2	18.2	18.2	18.2	16.9	16.9
82.5°	15.5	14.0	14.0	14.0	14.0	12.7	12.7	12.7	12.7	11.2	9.8
85°	7.1	7.1	5.6	7.1	7.1	8.4	7.1	7.1	7.1	5.6	2.9
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°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	0°
2.5°	815.4	829.5	830.9	822.5	839.4	842.1	837.8	837.8	840.7	852.0	852.0	2.5°
5°	607.7	626.0	624.6	613.4	635.8	642.7	638.7	640.0	645.6	658.3	665.3	5°
7.5°	429.5	444.9	443.5	442.1	456.2	461.8	464.5	468.7	485.6	487.0	495.4	7.5°
10°	348.0	362.1	366.3	376.1	380.3	388.8	394.4	401.5	415.5	422.5	432.3	10°
12.5°	282.1	299.0	303.2	314.4	320.0	329.9	335.4	349.5	358.0	366.3	378.9	12.5°
15°	217.6	231.7	235.7	244.2	249.8	261.0	266.7	275.2	291.9	300.3	317.2	15°
17.5°	160.0	168.4	171.3	176.9	181.1	185.3	196.5	210.6	220.4	234.4	242.8	17.5°
20°	125.0	127.6	129.2	130.5	133.4	136.1	141.8	151.5	157.2	168.4	176.9	20°
22.5°	112.3	113.6	113.6	115.2	115.2	116.5	119.4	122.1	125.0	129.2	133.4	22.5°
25°	103.8	105.3	105.3	106.7	106.7	108.1	109.4	110.9	113.6	115.2	116.5	25°
27.5°	99.6	99.6	99.6	99.6	101.1	101.1	102.5	105.3	105.3	108.1	109.4	27.5°
30°	95.4	95.4	95.4	96.8	98.3	101.1	103.8	108.1	109.4	112.3	113.6	30°
32.5°	88.4	85.6	88.4	87.0	84.2	84.2	85.6	88.4	88.4	89.8	91.3	32.5°
35°	68.8	68.8	70.2	71.5	71.5	73.0	74.4	75.7	77.3	79.9	81.4	35°
37.5°	64.6	65.9	65.9	67.4	68.8	68.8	70.2	73.0	74.4	75.7	77.3	37.5°
40°	61.7	63.2	64.6	65.9	65.9	67.4	68.8	70.2	71.5	74.4	75.7	40°
42.5°	59.0	61.7	61.7	63.2	64.6	65.9	67.4	68.8	71.5	73.0	74.4	42.5°
45°	57.5	59.0	60.4	61.7	63.2	64.6	65.9	68.8	70.2	73.0	74.4	45°
47.5°	56.1	57.5	59.0	60.4	61.7	63.2	64.6	67.4	70.2	73.0	75.7	47.5°
50°	53.3	56.1	57.5	59.0	60.4	61.7	64.6	67.4	70.2	74.4	81.4	50°
52.5°	51.9	54.8	54.8	57.5	59.0	61.7	64.6	67.4	71.5	77.3	84.2	52.5°
55°	49.1	51.9	51.9	54.8	57.5	60.4	61.7	65.9	70.2	75.7	77.3	55°
57.5°	46.4	49.1	50.6	51.9	54.8	57.5	59.0	63.2	68.8	70.2	68.8	57.5°
60°	44.9	46.4	47.7	49.1	51.9	53.3	57.5	65.9	71.5	65.9	59.0	60°
62.5°	42.1	44.9	46.4	47.7	50.6	51.9	54.8	60.4	61.7	54.8	53.3	62.5°
65°	40.7	43.5	43.5	46.4	47.7	47.7	49.1	49.1	49.1	49.1	49.1	65°
67.5°	37.9	40.7	40.7	42.1	43.5	43.5	44.9	44.9	44.9	44.9	44.9	67.5°
70°	35.1	36.5	37.9	39.3	39.3	39.3	40.7	40.7	40.7	42.1	42.1	70°
72.5°	32.2	33.7	33.7	35.1	35.1	36.5	36.5	37.9	37.9	37.9	39.3	72.5°
75°	26.7	28.0	29.5	30.9	30.9	32.2	32.2	32.2	32.2	33.7	33.7	75°
77.5°	22.5	22.5	25.2	25.2	26.7	26.7	28.0	28.0	28.0	28.0	28.0	77.5°
80°	16.9	16.9	18.2	19.7	21.1	21.1	21.1	21.1	21.1	21.1	21.1	80°
82.5°	9.8	9.8	11.2	11.2	12.7	12.7	14.0	12.7	12.7	11.2	11.2	82.5°
85°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	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°
981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	0°	981.1
873.1	873.1	875.8	887.1	889.8	896.9	895.5	908.1	913.7	947.4	982.5	2.5°	1016.2
690.5	696.2	704.6	718.6	727.0	742.4	739.7	765.0	769.2	830.9	891.3	5°	961.5
515.1	523.5	530.4	546.0	558.6	574.1	578.3	607.7	616.1	697.5	781.7	7.5°	878.6
446.3	453.4	463.2	473.0	485.6	492.6	503.9	518.0	527.8	588.1	684.9	10°	795.8
397.2	407.0	416.8	430.8	443.5	456.2	467.4	481.4	494.1	543.1	618.9	12.5°	746.7
336.9	348.0	359.3	374.8	393.0	405.7	418.3	433.7	449.2	509.5	597.9	15°	727.0
261.0	273.7	289.2	310.2	329.9	345.3	358.0	378.9	398.6	471.6	588.1	17.5°	746.7
192.2	203.6	217.6	235.7	249.8	276.5	290.5	315.8	339.6	430.8	574.1	20°	784.6
141.8	148.8	160.0	174.0	189.5	213.3	228.8	251.3	277.8	393.0	574.1	22.5°	849.2
119.4	122.1	126.3	134.7	144.5	161.4	176.9	199.3	225.9	359.3	589.5	25°	954.4
110.9	112.3	115.2	119.4	125.0	133.4	144.5	162.9	189.5	332.6	611.9	27.5°	1066.6
116.5	116.5	116.5	117.9	120.7	125.0	130.5	141.8	158.6	293.4	627.4	30°	1164.9
94.1	95.4	95.4	98.3	99.6	105.3	110.9	119.4	134.7	269.5	637.2	32.5°	1235.1
84.2	85.6	87.0	88.4	91.3	92.6	98.3	108.1	123.4	254.0	635.8	35°	1317.9
79.9	81.4	82.8	82.8	84.2	87.0	91.3	101.1	119.4	248.4	635.8	37.5°	1413.3
78.6	78.6	78.6	78.6	81.4	84.2	91.3	101.1	116.5	242.8	640.0	40°	1518.7
75.7	75.7	75.7	77.3	81.4	87.0	89.8	95.4	108.1	239.9	647.0	42.5°	1614.1
75.7	75.7	77.3	82.8	84.2	84.2	85.6	89.8	102.5	239.9	661.1	45°	1688.5
78.6	81.4	82.8	81.4	79.9	79.9	79.9	85.6	98.3	244.2	687.7	47.5°	1774.1
85.6	84.2	78.6	77.3	77.3	74.4	75.7	81.4	96.8	244.2	742.4	50°	1892.0
84.2	78.6	77.3	74.4	71.5	70.2	71.5	79.9	95.4	241.5	821.1	52.5°	2064.7
75.7	74.4	70.2	67.4	65.9	67.4	70.2	77.3	92.6	238.6	917.9	55°	2273.7
65.9	64.6	61.7	61.7	63.2	64.6	68.8	74.4	85.6	231.7	995.1	57.5°	2465.9
57.5	57.5	57.5	59.0	60.4	61.7	65.9	70.2	78.6	219.0	1047.1	60°	2589.5
51.9	53.3	53.3	56.1	57.5	59.0	61.7	65.9	71.5	204.9	1058.2	62.5°	2590.9
49.1	50.6	51.9	51.9	53.3	54.8	59.0	63.2	71.5	193.7	989.6	65°	2488.5
46.4	46.4	47.7	49.1	50.6	51.9	54.8	61.7	73.0	183.8	839.4	67.5°	2228.9
42.1	43.5	44.9	46.4	46.4	47.7	51.9	61.7	74.4	179.6	666.7	70°	1882.2
39.3	39.3	40.7	42.1	42.1	44.9	49.1	60.4	75.7	172.7	502.4	72.5°	1468.1
33.7	35.1	35.1	35.1	36.5	39.3	44.9	54.8	65.9	143.2	339.6	75°	995.1
29.5	28.0	29.5	29.5	30.9	32.2	36.5	42.1	49.1	91.3	179.6	77.5°	632.9
21.1	19.7	19.7	21.1	21.1	21.1	23.9	25.2	28.0	56.1	99.6	80°	373.3
11.2	9.8	11.2	9.8	9.8	11.2	11.2	14.0	14.0	26.7	44.9	82.5°	231.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	9.8	85°	94.1
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°
981.1	981.1
1033.1	1041.5
996.5	1007.8
917.9	933.4
844.9	860.4
805.6	814.0
787.4	804.3
814.0	830.9
867.4	894.0
961.5	995.1
1110.1	1139.7
1228.2	1274.4
1337.6	1375.5
1424.6	1468.1
1524.2	1566.4
1645.0	1702.5
1769.9	1834.4
1886.4	1957.9
1995.9	2052.0
2080.0	2143.2
2186.7	2261.1
2367.8	2421.1
2586.7	2647.0
2790.2	2842.1
2884.3	2927.8
2887.1	2941.8
2825.3	2887.1
2668.1	2763.5
2359.4	2465.9
1854.1	1976.2
1230.9	1337.6
710.2	745.2
419.7	437.9
249.8	268.1
67.4	73.0
0.0	0.0
0.0	0.0

(END OF REPORT)