

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: P271545

Luminaire Tested: **ISS-AF-1200-LED-E1-SLL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271545
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-1200-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: 4768 lumens
Efficiency: N/A
Efficacy: 72.2 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

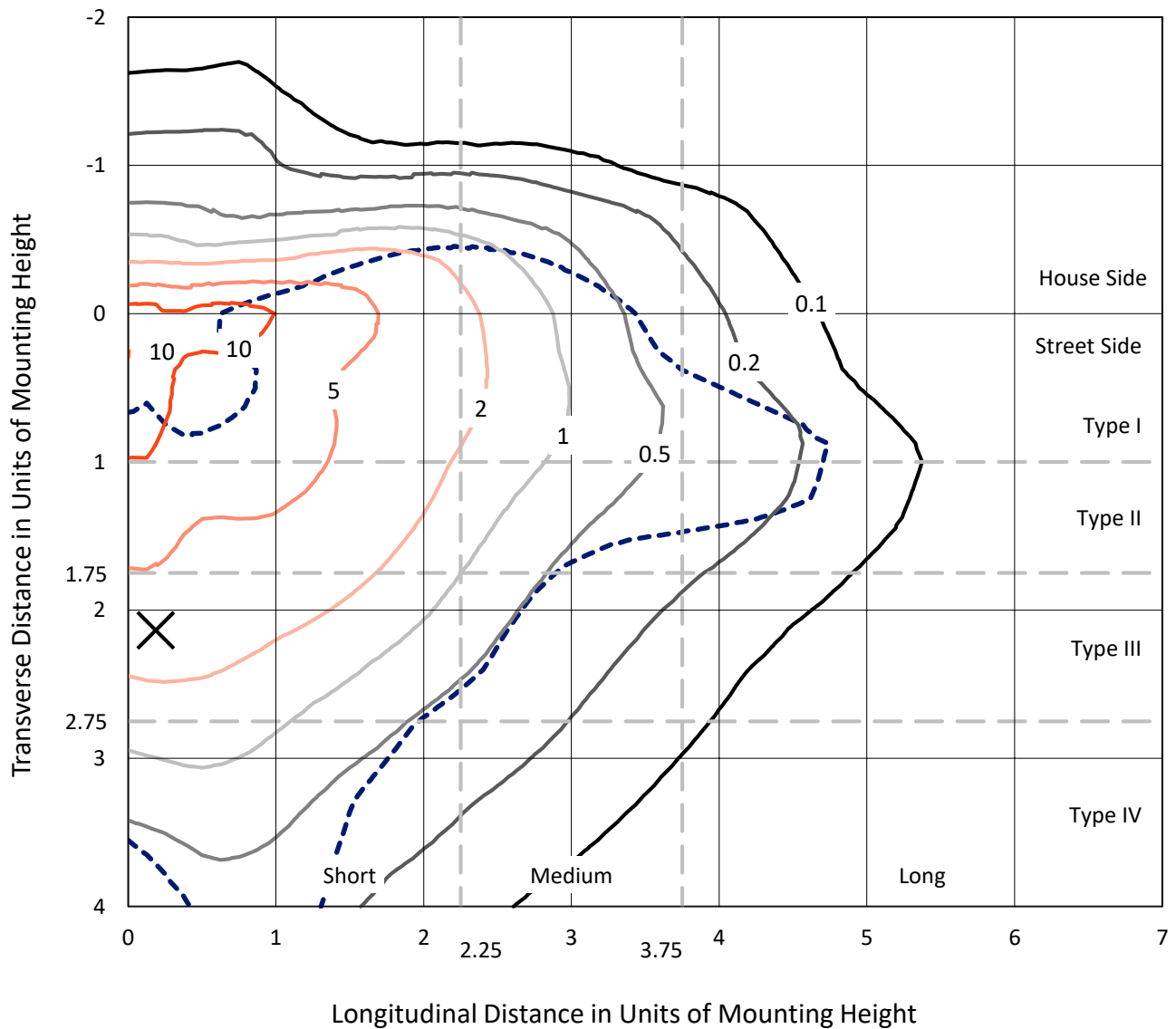
Input Watts (W): 66
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

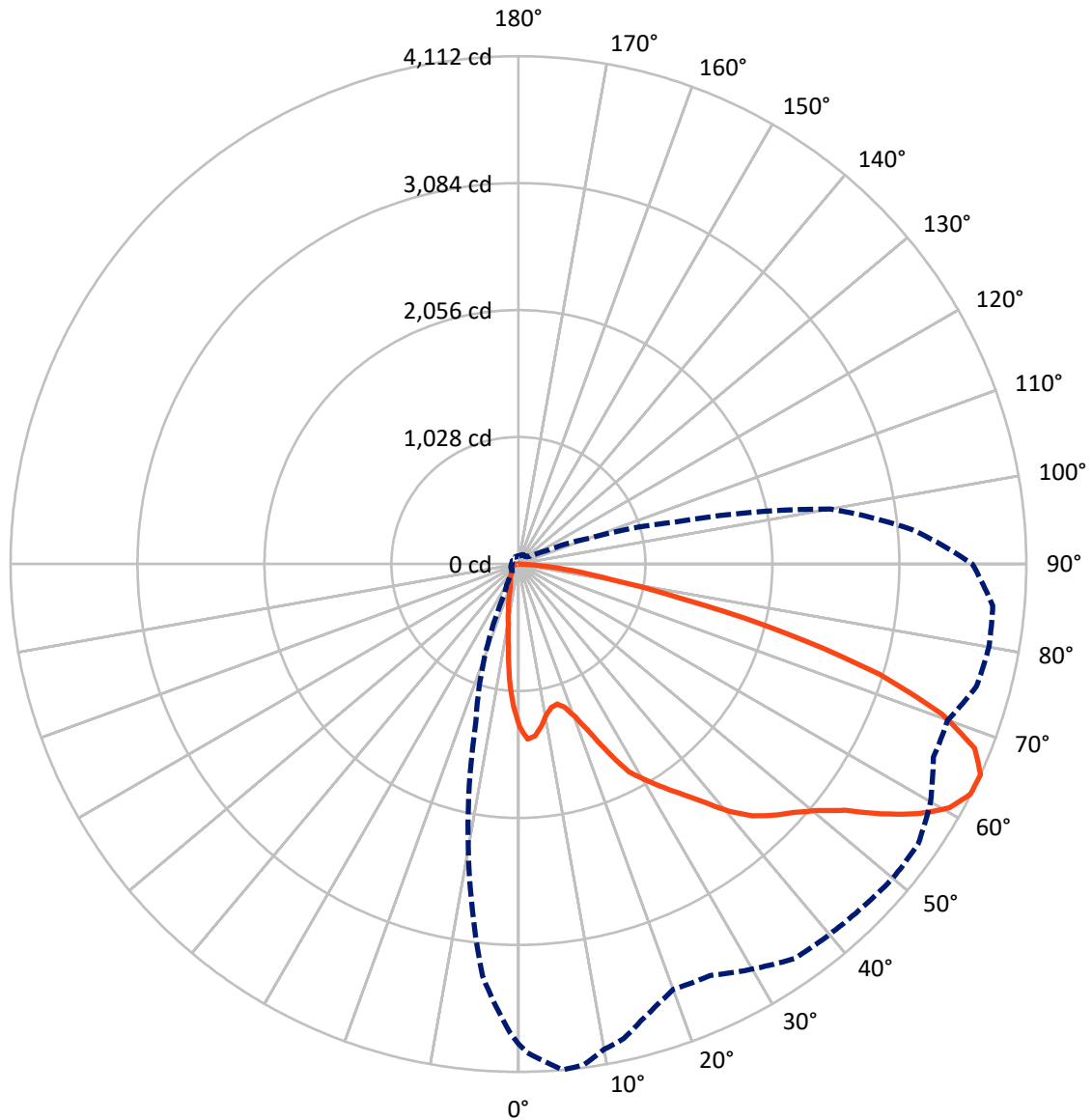
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.8 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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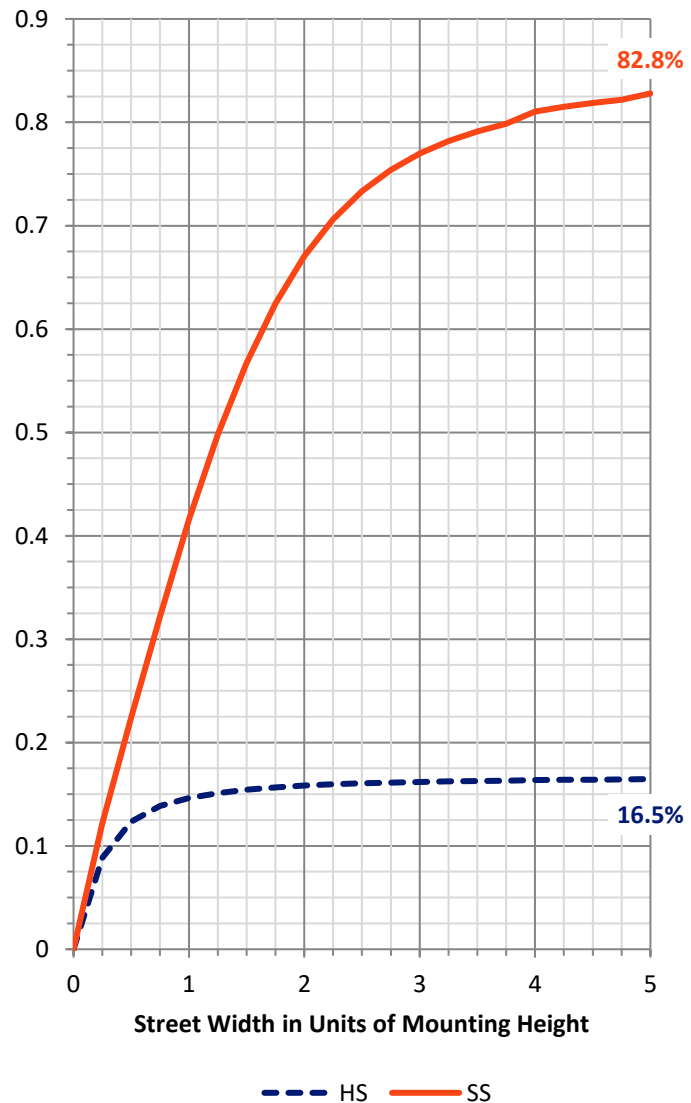
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	792.8	0.0	792.8
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	3975.2	0.0	3975.2
	% Fixture	83.4	0.0	83.4
Total	Lumens	4768.0	0.0	4768.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	2.1
10°-20°	208.8	4.4
20°-30°	303.5	6.4
30°-40°	448.9	9.4
40°-50°	654.0	13.7
50°-60°	980.4	20.6
60°-70°	1221.7	25.6
70°-80°	715.7	15.0
80°-90°	133.8	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°	4768.0	100.0
0°-180°	4768.0	100.0



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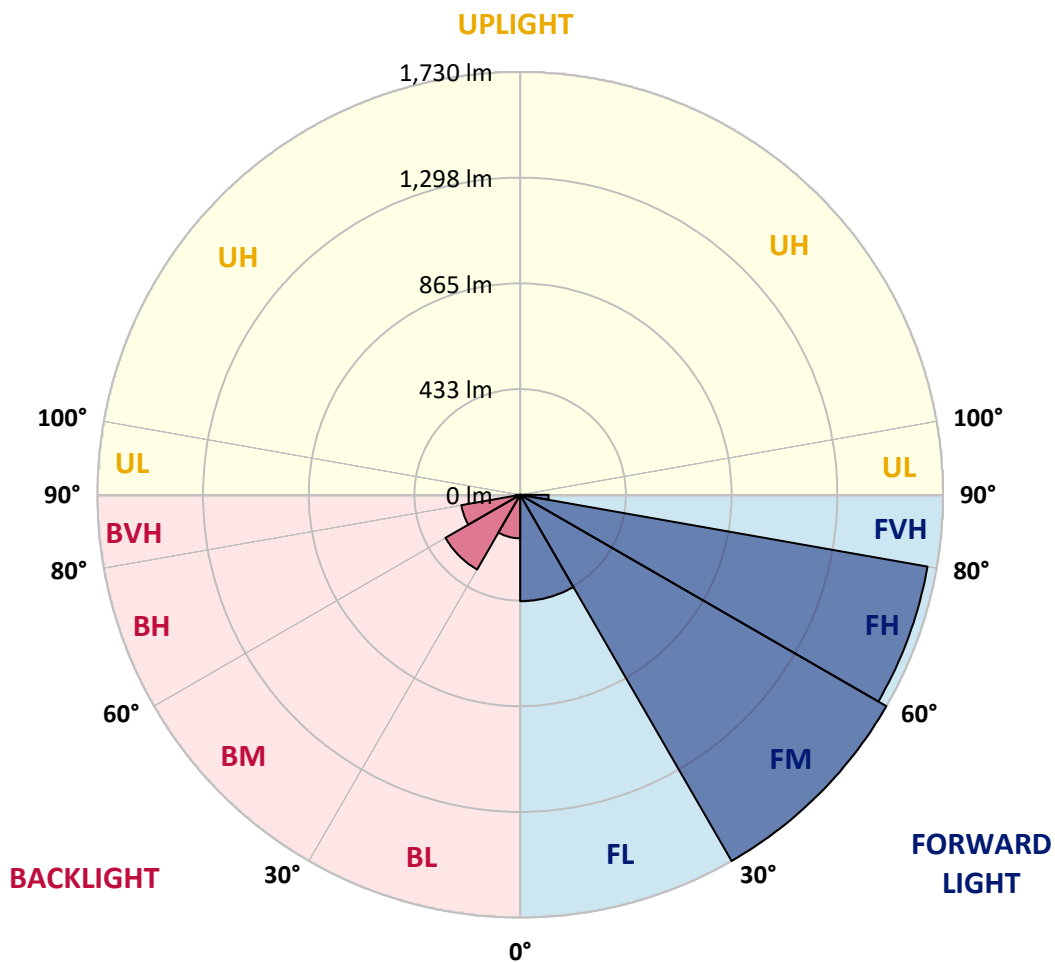
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	435.6	9.1			
FM	(30°-60°)	1730.4	36.3			
FH	(60°-80°)	1692.6	35.5			G1/1800
FVH	(80°-90°)	116.6	2.4			G2/225
BL	(0°-30°)	178.0	3.7	B1/500		
BM	(30°-60°)	352.9	7.4	B1/1000		
BH	(60°-80°)	244.7	5.1	B1/500		G1/500
BVH	(80°-90°)	17.2	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°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
2.5°	1400.6	1397.0	1419.5	1423.4	1438.5	1438.5	1455.4	1470.5	1476.2	1489.4	1523.3
5°	1355.4	1366.7	1398.8	1430.9	1453.5	1476.2	1500.7	1530.9	1555.4	1597.0	1683.9
7.5°	1255.3	1272.3	1327.1	1359.1	1395.0	1434.6	1464.9	1500.7	1538.4	1608.3	1763.1
10°	1157.2	1170.4	1240.2	1279.8	1330.7	1372.4	1415.8	1455.4	1496.9	1583.8	1763.1
12.5°	1094.9	1111.8	1191.2	1228.9	1287.5	1330.7	1383.7	1430.9	1480.0	1572.4	1746.1
15°	1081.6	1100.5	1176.0	1223.2	1274.2	1315.7	1362.9	1412.0	1461.0	1551.7	1706.5
17.5°	1117.5	1140.2	1221.3	1274.2	1313.8	1361.0	1395.0	1442.2	1474.3	1546.1	1619.6
20°	1202.5	1228.9	1325.2	1376.1	1408.3	1438.5	1464.9	1493.2	1506.4	1523.3	1510.2
22.5°	1338.4	1370.5	1480.0	1538.4	1561.2	1583.8	1585.7	1589.4	1580.0	1534.8	1432.8
25°	1532.8	1564.8	1689.5	1746.1	1746.1	1746.1	1725.4	1710.2	1666.9	1581.8	1412.0
27.5°	1714.1	1755.6	1904.7	1940.6	1929.2	1912.2	1872.6	1834.9	1772.5	1631.0	1410.1
30°	1850.0	1891.5	2029.3	2057.6	2029.3	1987.8	1925.4	1870.7	1797.1	1655.6	1423.4
32.5°	1974.6	2023.6	2155.8	2159.5	2108.5	2061.4	1991.5	1929.2	1851.9	1700.9	1463.0
35°	2106.6	2155.8	2289.8	2263.4	2189.8	2125.6	2053.9	1999.1	1921.7	1759.3	1527.2
37.5°	2289.8	2333.2	2446.4	2384.2	2289.8	2206.8	2129.3	2057.6	1980.2	1838.7	1634.7
40°	2467.3	2529.4	2633.3	2533.3	2418.1	2306.8	2221.8	2146.3	2061.4	1946.2	1772.5
42.5°	2633.3	2692.0	2788.1	2659.8	2525.8	2414.4	2325.6	2244.4	2163.3	2069.0	1938.6
45°	2759.9	2820.2	2901.3	2765.5	2612.6	2497.5	2401.2	2329.5	2257.7	2193.5	2148.2
47.5°	2882.5	2942.9	3005.2	2858.0	2707.0	2589.9	2476.6	2410.6	2354.0	2320.1	2374.7
50°	3041.1	3082.6	3135.4	2976.9	2816.5	2682.4	2569.2	2518.2	2465.4	2476.6	2659.8
52.5°	3256.3	3292.2	3311.1	3156.3	2976.9	2824.0	2699.4	2629.6	2586.1	2652.2	2961.8
55°	3560.3	3611.2	3569.7	3416.7	3190.2	3016.6	2863.7	2780.6	2754.1	2842.9	3263.8
57.5°	3822.6	3845.3	3815.0	3664.1	3431.9	3237.4	3075.1	2988.2	2958.0	3075.1	3539.4
60°	3937.7	3966.1	4007.6	3877.4	3660.2	3467.6	3328.0	3243.2	3192.0	3328.0	3760.3
62.5°	3956.7	4003.8	4105.7	4039.7	3867.9	3724.5	3597.9	3480.9	3441.2	3545.1	3905.7
65°	3883.0	3954.8	4111.5	4086.9	3990.6	3935.8	3830.1	3739.6	3664.1	3675.3	3898.1
67.5°	3716.8	3799.9	3983.1	3971.8	3983.1	3983.1	3890.6	3815.0	3716.8	3577.2	3611.2
70°	3316.7	3426.1	3637.6	3692.3	3788.6	3788.6	3707.5	3592.3	3479.0	3192.0	3018.5
72.5°	2657.8	2731.5	3056.2	3322.3	3445.1	3396.0	3316.7	3124.1	2874.9	2559.7	2323.7
75°	1798.9	1842.4	2240.7	2727.7	2950.4	2908.9	2778.6	2539.0	2282.2	1931.2	1632.8
77.5°	1002.4	1059.0	1357.2	1738.6	2038.7	2033.0	2016.1	1863.2	1659.3	1368.6	1213.8
80°	589.0	607.8	764.5	1042.0	1300.7	1238.3	1194.9	1074.1	970.3	838.2	957.1
82.5°	360.6	341.6	434.2	634.2	768.3	741.9	668.2	623.0	573.8	537.9	636.2
85°	98.2	88.8	177.4	266.2	326.5	353.0	353.0	349.2	313.4	236.0	283.1
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):

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
0°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
2.5°	1536.6	1538.4	1532.8	1546.1	1530.9	1523.3	1500.7	1500.7	1481.8	1466.8	1449.8
5°	1715.9	1727.2	1717.8	1719.6	1689.5	1659.3	1614.0	1587.6	1540.3	1489.4	1436.5
7.5°	1836.8	1855.6	1848.0	1815.9	1768.9	1704.6	1629.1	1557.3	1480.0	1397.0	1319.5
10°	1868.8	1889.6	1872.6	1812.2	1734.8	1644.2	1553.6	1457.3	1362.9	1274.2	1191.2
12.5°	1823.5	1838.7	1802.8	1736.7	1661.1	1570.6	1476.2	1393.1	1281.7	1187.4	1091.1
15°	1708.4	1699.0	1695.1	1648.0	1595.1	1521.5	1432.8	1347.9	1244.1	1147.8	1045.8
17.5°	1583.8	1572.4	1576.3	1557.3	1549.8	1515.8	1449.8	1378.0	1285.6	1168.4	1059.0
20°	1474.3	1463.0	1468.5	1478.1	1506.4	1508.3	1496.9	1449.8	1381.9	1259.2	1125.0
22.5°	1379.9	1381.9	1400.6	1427.0	1474.3	1534.8	1581.8	1591.3	1544.2	1400.6	1232.7
25°	1351.6	1342.2	1362.9	1406.4	1485.7	1602.7	1708.4	1761.3	1734.8	1591.3	1385.5
27.5°	1342.2	1329.0	1351.6	1408.3	1534.8	1699.0	1850.0	1929.2	1938.6	1791.4	1549.8
30°	1342.2	1336.5	1359.1	1432.8	1566.8	1731.0	1899.1	2018.0	2055.7	1933.1	1693.2
32.5°	1359.1	1362.9	1402.5	1496.9	1634.7	1802.8	1976.5	2104.8	2172.7	2080.3	1808.4
35°	1397.0	1404.4	1461.0	1570.6	1719.6	1889.6	2048.1	2178.4	2287.9	2238.8	1916.1
37.5°	1478.1	1489.4	1559.3	1670.6	1806.5	1959.5	2114.3	2253.8	2412.5	2391.6	2029.3
40°	1621.5	1621.5	1691.4	1787.6	1899.1	2016.1	2169.0	2333.2	2527.7	2555.9	2169.0
42.5°	1802.8	1795.3	1840.4	1910.3	1987.8	2086.0	2223.8	2406.8	2635.3	2697.5	2274.7
45°	2051.9	2014.2	2038.7	2055.7	2093.5	2153.9	2276.6	2476.6	2722.0	2803.3	2354.0
47.5°	2344.6	2291.7	2270.9	2238.8	2225.6	2248.3	2354.0	2531.4	2805.1	2893.8	2482.4
50°	2667.3	2616.3	2561.6	2474.8	2399.2	2376.6	2440.9	2605.1	2893.8	3007.1	2623.9
52.5°	3003.3	2967.6	2895.8	2759.9	2616.3	2535.2	2565.4	2727.7	3035.5	3182.7	2791.9
55°	3311.1	3322.3	3235.5	3077.0	2871.3	2746.6	2782.5	2944.8	3292.2	3465.8	3073.2
57.5°	3641.4	3611.2	3543.3	3379.0	3154.4	3020.3	3035.5	3231.7	3579.0	3711.2	3352.6
60°	3860.4	3860.4	3786.7	3662.1	3448.9	3324.3	3346.8	3528.1	3809.4	3822.6	3477.2
62.5°	4001.9	4022.7	3964.2	3875.5	3667.8	3563.9	3641.4	3769.7	3922.7	3813.1	3414.9
65°	3933.9	3956.7	3950.9	3852.8	3705.6	3698.1	3837.6	3867.9	3854.6	3675.3	3199.7
67.5°	3626.3	3580.9	3579.0	3528.1	3497.9	3654.6	3832.0	3841.5	3618.7	3405.5	2859.8
70°	3041.1	2963.7	2933.4	2948.6	3086.4	3379.0	3631.9	3560.3	3205.3	3022.2	2435.1
72.5°	2344.6	2252.1	2233.2	2291.7	2504.9	2916.4	3261.9	3161.9	2635.3	2421.9	1885.8
75°	1663.0	1623.5	1625.3	1740.5	1970.7	2367.1	2769.3	2759.9	1951.8	1670.6	1298.7
77.5°	1209.9	1217.6	1251.6	1296.8	1495.0	1878.3	2255.8	2231.3	1389.4	1147.8	908.0
80°	998.6	1010.0	1010.0	985.4	1036.4	1240.2	1532.8	1636.6	930.6	772.0	634.2
82.5°	717.4	774.0	806.0	766.4	747.5	817.4	960.8	1028.8	579.6	487.0	443.7
85°	341.6	390.8	402.1	392.6	451.2	515.4	549.3	562.5	317.1	226.6	290.7
87.5°	0.0	0.0	1.9	15.1	41.5	71.8	71.8	109.5	17.0	5.7	13.3
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°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
2.5°	1427.0	1402.5	1383.7	1361.0	1342.2	1323.2	1310.1	1281.7	1259.2	1208.1	1194.9
5°	1393.1	1340.3	1304.4	1270.5	1227.1	1196.8	1164.7	1125.0	1081.6	1008.1	985.4
7.5°	1259.2	1192.9	1143.9	1094.9	1038.2	987.2	940.1	887.3	811.7	732.4	702.3
10°	1113.8	1043.9	976.0	917.3	849.4	792.8	751.3	713.5	653.2	592.7	553.1
12.5°	994.9	915.6	838.2	779.5	743.8	715.4	685.2	655.0	590.8	522.9	475.7
15°	940.1	847.6	779.5	730.5	698.4	664.5	628.6	594.6	519.1	439.8	383.1
17.5°	947.6	841.9	755.0	689.0	645.6	598.5	556.9	513.4	430.4	336.1	285.0
20°	989.1	847.6	728.6	651.2	589.0	528.6	475.7	420.9	319.0	245.3	209.6
22.5°	1042.0	866.4	713.5	613.5	536.1	460.7	392.6	328.5	236.0	192.6	175.6
25°	1132.7	909.8	709.8	579.6	485.2	394.5	324.6	256.7	190.7	169.9	160.4
27.5°	1245.9	958.9	713.5	555.1	441.8	341.6	264.3	213.3	171.8	160.4	152.9
30°	1359.1	1010.0	696.5	517.2	390.8	292.6	226.6	194.4	169.9	156.7	143.5
32.5°	1459.2	1047.6	668.2	477.6	345.5	249.2	192.6	166.2	149.1	134.0	130.3
35°	1530.9	1064.7	636.2	453.0	315.2	222.8	169.9	149.1	132.1	117.0	109.5
37.5°	1598.9	1066.6	602.1	430.4	304.0	211.4	156.7	137.8	122.7	109.5	102.0
40°	1668.7	1059.0	583.3	407.7	286.9	205.7	151.1	128.4	118.9	103.8	96.3
42.5°	1719.6	1045.8	575.7	394.5	271.8	190.7	147.2	126.5	113.3	102.0	92.4
45°	1766.9	1032.6	575.7	383.1	260.5	181.2	139.7	128.4	109.5	100.0	88.8
47.5°	1823.5	1038.2	577.6	373.8	251.1	171.8	132.1	124.5	111.4	98.2	86.9
50°	1919.8	1102.4	587.1	368.0	243.5	164.2	126.5	118.9	122.7	96.3	84.9
52.5°	2086.0	1204.4	602.1	364.4	236.0	158.6	118.9	115.2	124.5	96.3	83.0
55°	2303.1	1308.2	617.2	354.9	224.7	147.2	115.2	107.5	115.2	96.3	81.2
57.5°	2514.4	1385.5	630.5	341.6	205.7	135.9	109.5	102.0	105.7	94.4	77.4
60°	2637.2	1446.0	643.7	319.0	183.2	122.7	103.8	96.3	94.4	94.4	75.5
62.5°	2671.1	1423.4	636.2	290.7	164.2	113.3	98.2	90.5	84.9	96.3	75.5
65°	2563.5	1304.4	607.8	266.2	151.1	109.5	92.4	86.9	81.2	83.0	71.8
67.5°	2233.2	1096.7	530.4	243.5	149.1	107.5	88.8	83.0	75.5	73.6	67.9
70°	1821.7	860.8	439.8	226.6	147.2	107.5	84.9	77.4	71.8	66.0	62.3
72.5°	1400.6	643.7	370.0	219.0	149.1	105.7	79.3	69.9	64.2	60.4	56.6
75°	985.4	454.9	307.7	196.3	139.7	100.0	73.6	62.3	56.6	52.9	49.0
77.5°	713.5	309.6	228.3	158.6	118.9	86.9	64.2	52.9	47.3	45.4	41.5
80°	454.9	190.7	152.9	117.0	86.9	67.9	49.0	41.5	37.8	34.0	32.1
82.5°	262.3	111.4	92.4	79.3	56.6	45.4	35.8	32.1	24.5	22.6	20.8
85°	160.4	69.9	50.9	41.5	35.8	28.3	20.8	18.9	13.3	11.3	9.4
87.5°	35.8	15.1	13.3	9.4	11.3	9.4	5.7	3.8	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°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
2.5°	1174.2	1145.9	1147.8	1142.0	1126.9	1102.4	1094.9	1081.6	1083.5	1091.1	1083.5
5°	958.9	925.0	928.8	926.9	911.8	894.8	881.6	864.6	858.9	864.6	855.2
7.5°	679.6	656.9	664.5	681.5	679.6	670.1	658.7	640.0	636.2	638.1	621.1
10°	519.1	496.4	490.8	488.9	485.2	479.4	464.3	449.3	443.7	445.5	434.2
12.5°	434.2	415.3	392.6	371.9	353.0	345.5	326.5	317.1	315.2	315.2	309.6
15°	343.5	328.5	315.2	294.5	279.5	268.1	254.8	247.3	245.3	247.3	247.3
17.5°	256.7	249.2	243.5	241.6	234.1	226.6	219.0	215.2	213.3	213.3	215.2
20°	196.3	194.4	194.4	194.4	203.8	211.4	213.3	207.7	205.7	203.8	202.0
22.5°	169.9	168.1	169.9	181.2	175.6	169.9	169.9	169.9	169.9	169.9	171.8
25°	156.7	158.6	160.4	154.8	149.1	145.3	143.5	143.5	141.6	141.6	143.5
27.5°	149.1	147.2	145.3	141.6	137.8	132.1	130.3	128.4	128.4	128.4	128.4
30°	139.7	137.8	135.9	132.1	126.5	118.9	117.0	117.0	115.2	117.0	117.0
32.5°	128.4	126.5	124.5	120.8	115.2	111.4	109.5	105.7	105.7	105.7	107.5
35°	103.8	102.0	102.0	103.8	103.8	102.0	102.0	98.2	98.2	98.2	98.2
37.5°	96.3	94.4	94.4	92.4	94.4	96.3	94.4	92.4	92.4	90.5	90.5
40°	90.5	90.5	88.8	86.9	86.9	90.5	88.8	86.9	84.9	84.9	84.9
42.5°	86.9	84.9	84.9	83.0	83.0	83.0	81.2	79.3	77.4	77.4	77.4
45°	83.0	83.0	81.2	79.3	77.4	77.4	73.6	71.8	71.8	71.8	73.6
47.5°	81.2	79.3	79.3	77.4	75.5	71.8	69.9	67.9	67.9	67.9	67.9
50°	79.3	77.4	75.5	75.5	71.8	69.9	67.9	66.0	66.0	66.0	66.0
52.5°	77.4	75.5	73.6	71.8	69.9	67.9	66.0	64.2	64.2	64.2	64.2
55°	73.6	71.8	71.8	69.9	69.9	67.9	66.0	64.2	64.2	64.2	62.3
57.5°	71.8	69.9	67.9	67.9	67.9	66.0	64.2	62.3	62.3	62.3	62.3
60°	69.9	67.9	67.9	66.0	66.0	64.2	64.2	62.3	60.4	60.4	58.5
62.5°	67.9	66.0	66.0	64.2	66.0	64.2	62.3	60.4	58.5	58.5	56.6
65°	66.0	64.2	64.2	64.2	62.3	62.3	60.4	56.6	56.6	56.6	54.8
67.5°	62.3	60.4	60.4	62.3	60.4	58.5	58.5	54.8	54.8	52.9	52.9
70°	56.6	56.6	56.6	58.5	56.6	54.8	54.8	52.9	50.9	49.0	49.0
72.5°	52.9	50.9	52.9	52.9	52.9	50.9	52.9	49.0	47.3	45.4	45.4
75°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	43.4	41.5	39.6
77.5°	35.8	37.8	37.8	37.8	37.8	39.6	37.8	37.8	37.8	35.8	34.0
80°	26.4	26.4	28.3	30.3	28.3	30.3	28.3	30.3	28.3	28.3	28.3
82.5°	15.1	15.1	17.0	18.9	18.9	20.8	17.0	18.9	18.9	20.8	18.9
85°	5.7	5.7	5.7	5.7	7.5	7.5	5.7	7.5	7.5	9.4	9.4
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°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
2.5°	1098.6	1098.6	1076.0	1079.8	1083.5	1091.1	1087.3	1085.4	1083.5	1094.9	1100.5
5°	862.7	860.8	832.5	830.7	836.2	838.2	832.5	823.0	817.4	819.3	824.9
7.5°	626.7	621.1	594.6	590.8	589.0	590.8	585.2	575.7	568.2	570.1	575.7
10°	437.9	422.8	419.1	420.9	424.7	428.5	428.5	428.5	430.4	441.8	454.9
12.5°	317.1	311.4	315.2	319.0	326.5	332.2	337.9	339.8	341.6	356.8	368.0
15°	251.1	251.1	254.8	256.7	260.5	264.3	268.1	268.1	269.9	275.6	285.0
17.5°	217.1	217.1	217.1	217.1	217.1	215.2	213.3	209.6	207.7	205.7	207.7
20°	200.1	198.2	194.4	192.6	188.7	185.1	183.2	177.4	175.6	169.9	168.1
22.5°	171.8	169.9	169.9	169.9	169.9	168.1	166.2	164.2	160.4	154.8	151.1
25°	141.6	141.6	141.6	143.5	143.5	145.3	149.1	149.1	149.1	149.1	143.5
27.5°	128.4	128.4	128.4	128.4	130.3	130.3	132.1	132.1	132.1	134.0	135.9
30°	117.0	118.9	118.9	120.8	120.8	122.7	122.7	124.5	124.5	126.5	126.5
32.5°	107.5	107.5	109.5	111.4	111.4	111.4	115.2	115.2	113.3	115.2	115.2
35°	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	92.4	90.5	92.4
37.5°	88.8	86.9	86.9	84.9	83.0	83.0	83.0	84.9	83.0	84.9	84.9
40°	81.2	81.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	81.2	83.0
42.5°	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	77.4	77.4
45°	71.8	71.8	71.8	71.8	73.6	73.6	73.6	73.6	73.6	73.6	75.5
47.5°	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	71.8	73.6
50°	66.0	66.0	67.9	67.9	67.9	67.9	67.9	67.9	67.9	69.9	71.8
52.5°	64.2	64.2	64.2	66.0	66.0	66.0	66.0	66.0	66.0	66.0	67.9
55°	62.3	64.2	64.2	64.2	64.2	64.2	62.3	62.3	62.3	62.3	64.2
57.5°	60.4	60.4	62.3	62.3	62.3	60.4	60.4	58.5	58.5	58.5	62.3
60°	58.5	58.5	58.5	58.5	58.5	56.6	56.6	56.6	56.6	58.5	58.5
62.5°	56.6	56.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
65°	54.8	54.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
67.5°	50.9	50.9	50.9	49.0	49.0	49.0	49.0	50.9	49.0	49.0	49.0
70°	47.3	47.3	47.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
72.5°	43.4	43.4	43.4	43.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
75°	39.6	37.8	37.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
77.5°	34.0	32.1	32.1	32.1	30.3	30.3	30.3	30.3	30.3	30.3	30.3
80°	28.3	26.4	26.4	24.5	24.5	24.5	24.5	24.5	24.5	22.6	22.6
82.5°	20.8	18.9	18.9	18.9	18.9	17.0	17.0	17.0	17.0	15.1	13.3
85°	9.4	9.4	7.5	9.4	9.4	11.3	9.4	9.4	9.4	7.5	3.8
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°	302.5°	
0°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	0°
2.5°	1096.7	1115.7	1117.5	1106.3	1128.8	1132.7	1126.9	1126.9	1130.8	1145.9	1145.9	2.5°
5°	817.4	841.9	840.1	824.9	855.2	864.6	858.9	860.8	868.3	885.3	894.8	5°
7.5°	577.6	598.5	596.6	594.6	613.5	621.1	624.8	630.5	653.2	655.0	666.4	7.5°
10°	468.2	487.0	492.7	505.8	511.6	522.9	530.4	539.9	558.7	568.2	581.5	10°
12.5°	379.4	402.1	407.7	422.8	430.4	443.7	451.2	470.0	481.3	492.7	509.7	12.5°
15°	292.6	311.4	317.1	328.5	336.1	351.1	358.6	370.0	392.6	404.0	426.7	15°
17.5°	215.2	226.6	230.2	237.8	243.5	249.2	264.3	283.1	296.4	315.2	326.5	17.5°
20°	168.1	171.8	173.6	175.6	179.3	183.2	190.7	203.8	211.4	226.6	237.8	20°
22.5°	151.1	152.9	152.9	154.8	154.8	156.7	160.4	164.2	168.1	173.6	179.3	22.5°
25°	139.7	141.6	141.6	143.5	143.5	145.3	147.2	149.1	152.9	154.8	156.7	25°
27.5°	134.0	134.0	134.0	134.0	135.9	135.9	137.8	141.6	141.6	145.3	147.2	27.5°
30°	128.4	128.4	128.4	130.3	132.1	135.9	139.7	145.3	147.2	151.1	152.9	30°
32.5°	118.9	115.2	118.9	117.0	113.3	113.3	115.2	118.9	118.9	120.8	122.7	32.5°
35°	92.4	92.4	94.4	96.3	96.3	98.2	100.0	102.0	103.8	107.5	109.5	35°
37.5°	86.9	88.8	88.8	90.5	92.4	92.4	94.4	98.2	100.0	102.0	103.8	37.5°
40°	83.0	84.9	86.9	88.8	88.8	90.5	92.4	94.4	96.3	100.0	102.0	40°
42.5°	79.3	83.0	83.0	84.9	86.9	88.8	90.5	92.4	96.3	98.2	100.0	42.5°
45°	77.4	79.3	81.2	83.0	84.9	86.9	88.8	92.4	94.4	98.2	100.0	45°
47.5°	75.5	77.4	79.3	81.2	83.0	84.9	86.9	90.5	94.4	98.2	102.0	47.5°
50°	71.8	75.5	77.4	79.3	81.2	83.0	86.9	90.5	94.4	100.0	109.5	50°
52.5°	69.9	73.6	73.6	77.4	79.3	83.0	86.9	90.5	96.3	103.8	113.3	52.5°
55°	66.0	69.9	69.9	73.6	77.4	81.2	83.0	88.8	94.4	102.0	103.8	55°
57.5°	62.3	66.0	67.9	69.9	73.6	77.4	79.3	84.9	92.4	94.4	92.4	57.5°
60°	60.4	62.3	64.2	66.0	69.9	71.8	77.4	88.8	96.3	88.8	79.3	60°
62.5°	56.6	60.4	62.3	64.2	67.9	69.9	73.6	81.2	83.0	73.6	71.8	62.5°
65°	54.8	58.5	58.5	62.3	64.2	64.2	66.0	66.0	66.0	66.0	66.0	65°
67.5°	50.9	54.8	54.8	56.6	58.5	58.5	60.4	60.4	60.4	60.4	60.4	67.5°
70°	47.3	49.0	50.9	52.9	52.9	52.9	54.8	54.8	54.8	56.6	56.6	70°
72.5°	43.4	45.4	45.4	47.3	47.3	49.0	49.0	50.9	50.9	50.9	52.9	72.5°
75°	35.8	37.8	39.6	41.5	41.5	43.4	43.4	43.4	43.4	45.4	45.4	75°
77.5°	30.3	30.3	34.0	34.0	35.8	35.8	37.8	37.8	37.8	37.8	37.8	77.5°
80°	22.6	22.6	24.5	26.4	28.3	28.3	28.3	28.3	28.3	28.3	28.3	80°
82.5°	13.3	13.3	15.1	15.1	17.0	17.0	18.9	17.0	17.0	15.1	15.1	82.5°
85°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	1.9	1.9	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°	
1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	0°	1319.5
1174.2	1174.2	1177.9	1192.9	1196.8	1206.2	1204.4	1221.3	1228.9	1274.2	1321.4	2.5°	1366.7
928.8	936.3	947.6	966.5	977.9	998.6	994.9	1028.8	1034.5	1117.5	1198.7	5°	1293.1
692.9	704.1	713.5	734.4	751.3	772.0	777.8	817.4	828.7	938.2	1051.5	7.5°	1181.7
600.2	609.7	623.0	636.2	653.2	662.6	677.7	696.5	709.8	791.0	921.2	10°	1070.3
534.2	547.4	560.6	579.6	596.6	613.5	628.6	647.5	664.5	730.5	832.5	12.5°	1004.2
453.0	468.2	483.3	503.9	528.6	545.5	562.5	583.3	604.1	685.2	804.2	15°	977.9
351.1	368.0	388.9	417.3	443.7	464.3	481.3	509.7	536.1	634.2	791.0	17.5°	1004.2
258.6	273.7	292.6	317.1	336.1	371.9	390.8	424.7	456.8	579.6	772.0	20°	1055.1
190.7	200.1	215.2	234.1	254.8	286.9	307.7	337.9	373.8	528.6	772.0	22.5°	1142.0
160.4	164.2	169.9	181.2	194.4	217.1	237.8	268.1	304.0	483.3	792.8	25°	1283.7
149.1	151.1	154.8	160.4	168.1	179.3	194.4	219.0	254.8	447.4	823.0	27.5°	1434.6
156.7	156.7	156.7	158.6	162.3	168.1	175.6	190.7	213.3	394.5	843.8	30°	1566.8
126.5	128.4	128.4	132.1	134.0	141.6	149.1	160.4	181.2	362.5	857.1	32.5°	1661.1
113.3	115.2	117.0	118.9	122.7	124.5	132.1	145.3	166.2	341.6	855.2	35°	1772.5
107.5	109.5	111.4	111.4	113.3	117.0	122.7	135.9	160.4	334.1	855.2	37.5°	1900.9
105.7	105.7	105.7	105.7	109.5	113.3	122.7	135.9	156.7	326.5	860.8	40°	2042.5
102.0	102.0	102.0	103.8	109.5	117.0	120.8	128.4	145.3	322.9	870.3	42.5°	2170.8
102.0	102.0	103.8	111.4	113.3	113.3	115.2	120.8	137.8	322.9	889.1	45°	2270.9
105.7	109.5	111.4	109.5	107.5	107.5	107.5	115.2	132.1	328.5	925.0	47.5°	2386.1
115.2	113.3	105.7	103.8	103.8	100.0	102.0	109.5	130.3	328.5	998.6	50°	2544.6
113.3	105.7	103.8	100.0	96.3	94.4	96.3	107.5	128.4	324.6	1104.3	52.5°	2776.8
102.0	100.0	94.4	90.5	88.8	90.5	94.4	103.8	124.5	321.0	1234.6	55°	3058.1
88.8	86.9	83.0	83.0	84.9	86.9	92.4	100.0	115.2	311.4	1338.4	57.5°	3316.7
77.4	77.4	77.4	79.3	81.2	83.0	88.8	94.4	105.7	294.5	1408.3	60°	3482.8
69.9	71.8	71.8	75.5	77.4	79.3	83.0	88.8	96.3	275.6	1423.4	62.5°	3484.6
66.0	67.9	69.9	69.9	71.8	73.6	79.3	84.9	96.3	260.5	1330.7	65°	3346.8
62.3	62.3	64.2	66.0	67.9	69.9	73.6	83.0	98.2	247.3	1128.8	67.5°	2997.6
56.6	58.5	60.4	62.3	62.3	64.2	69.9	83.0	100.0	241.6	896.7	70°	2531.4
52.9	52.9	54.8	56.6	56.6	60.4	66.0	81.2	102.0	232.2	675.7	72.5°	1974.6
45.4	47.3	47.3	47.3	49.0	52.9	60.4	73.6	88.8	192.6	456.8	75°	1338.4
39.6	37.8	39.6	39.6	41.5	43.4	49.0	56.6	66.0	122.7	241.6	77.5°	851.3
28.3	26.4	26.4	28.3	28.3	28.3	32.1	34.0	37.8	75.5	134.0	80°	502.2
15.1	13.3	15.1	13.3	13.3	15.1	15.1	18.9	18.9	35.8	60.4	82.5°	311.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	13.3	85°	126.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5°	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°
1319.5	1319.5
1389.4	1400.6
1340.3	1355.4
1234.6	1255.3
1136.4	1157.2
1083.5	1094.9
1059.0	1081.6
1094.9	1117.5
1166.6	1202.5
1293.1	1338.4
1493.2	1532.8
1651.7	1714.1
1798.9	1850.0
1916.1	1974.6
2050.0	2106.6
2212.3	2289.8
2380.4	2467.3
2537.0	2633.3
2684.3	2759.9
2797.6	2882.5
2941.1	3041.1
3184.5	3256.3
3479.0	3560.3
3752.8	3822.6
3879.2	3937.7
3883.0	3956.7
3799.9	3883.0
3588.5	3716.8
3173.3	3316.7
2493.7	2657.8
1655.6	1798.9
955.2	1002.4
564.5	589.0
336.1	360.6
90.5	98.2
0.0	0.0
0.0	0.0

(END OF REPORT)