

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: P228491

Luminaire Tested: **ISS-AF-350-LED-E1-SLL-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228491
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-350-LED-E1-SLL-8030
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1624 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

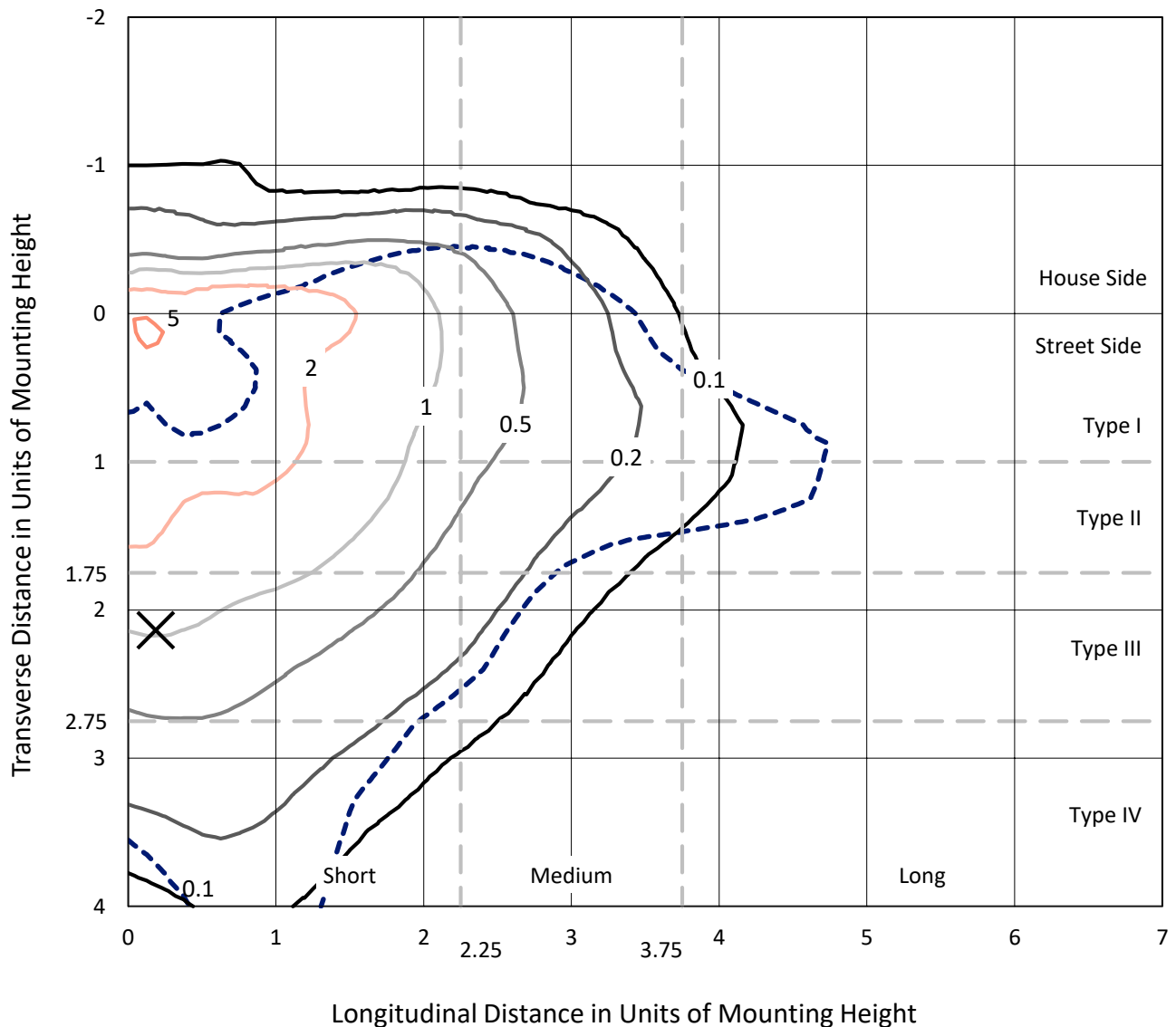
Input Watts (W): 20.09
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

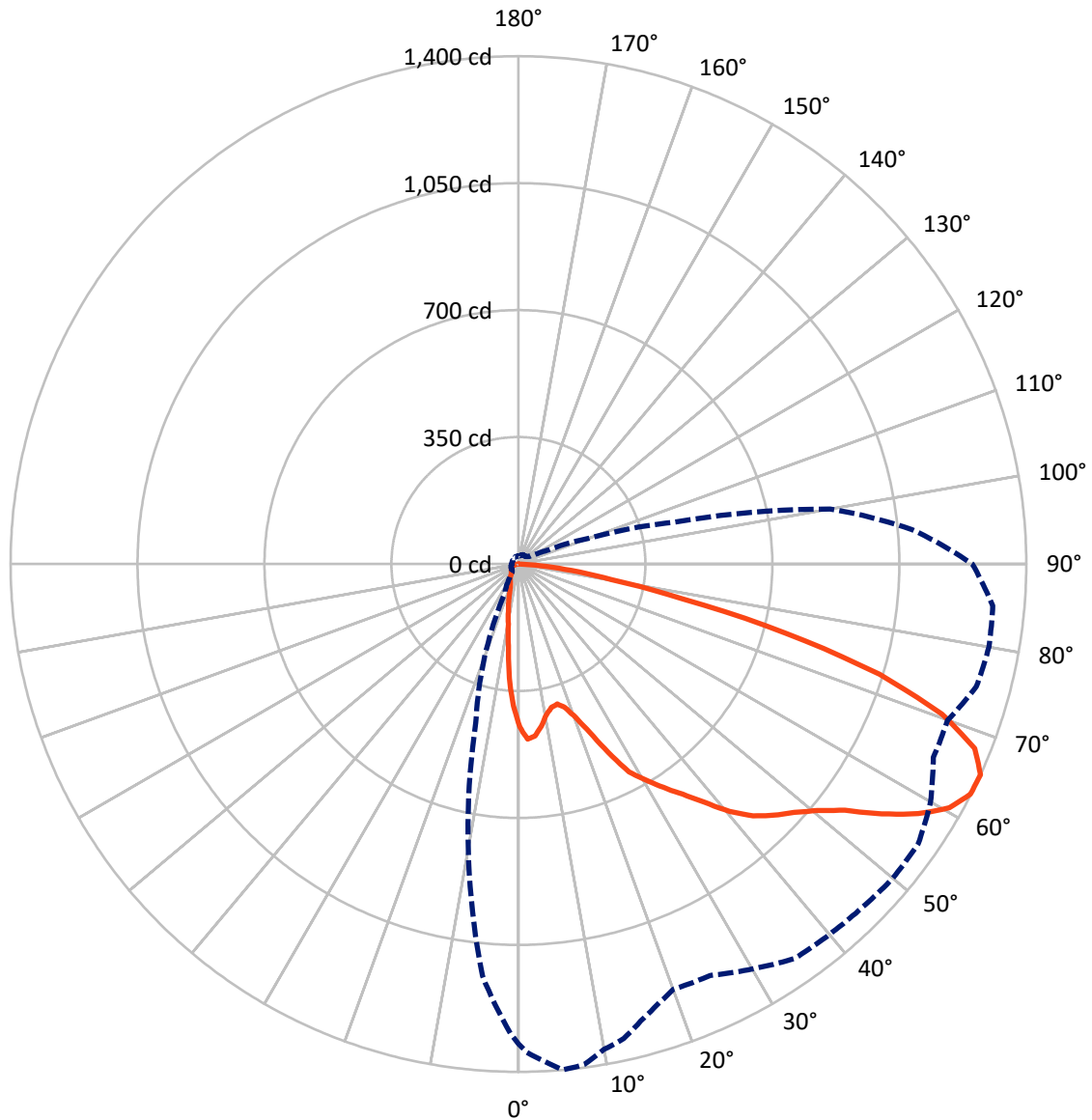
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 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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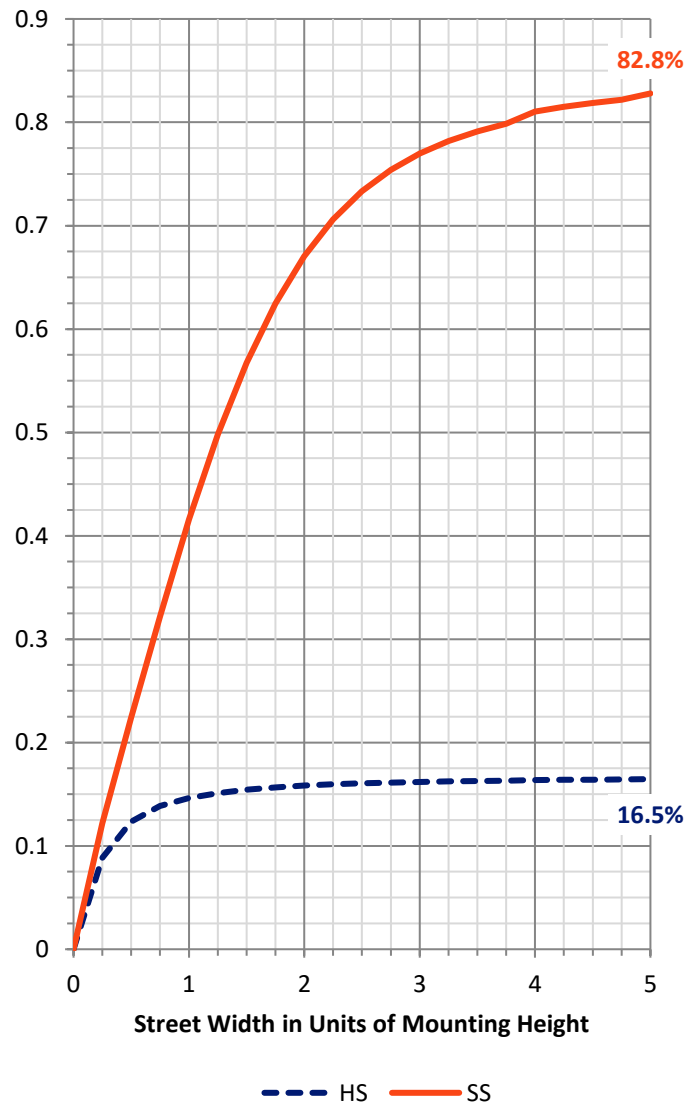
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	270.0	0.0	270.0
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	1354.0	0.0	1354.0
	% Fixture	83.4	0.0	83.4
Total	Lumens	1624.0	0.0	1624.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.5	2.1
10°-20°	71.1	4.4
20°-30°	103.4	6.4
30°-40°	152.9	9.4
40°-50°	222.8	13.7
50°-60°	333.9	20.6
60°-70°	416.1	25.6
70°-80°	243.7	15.0
80°-90°	45.6	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°	1624.0	100.0
0°-180°	1624.0	100.0



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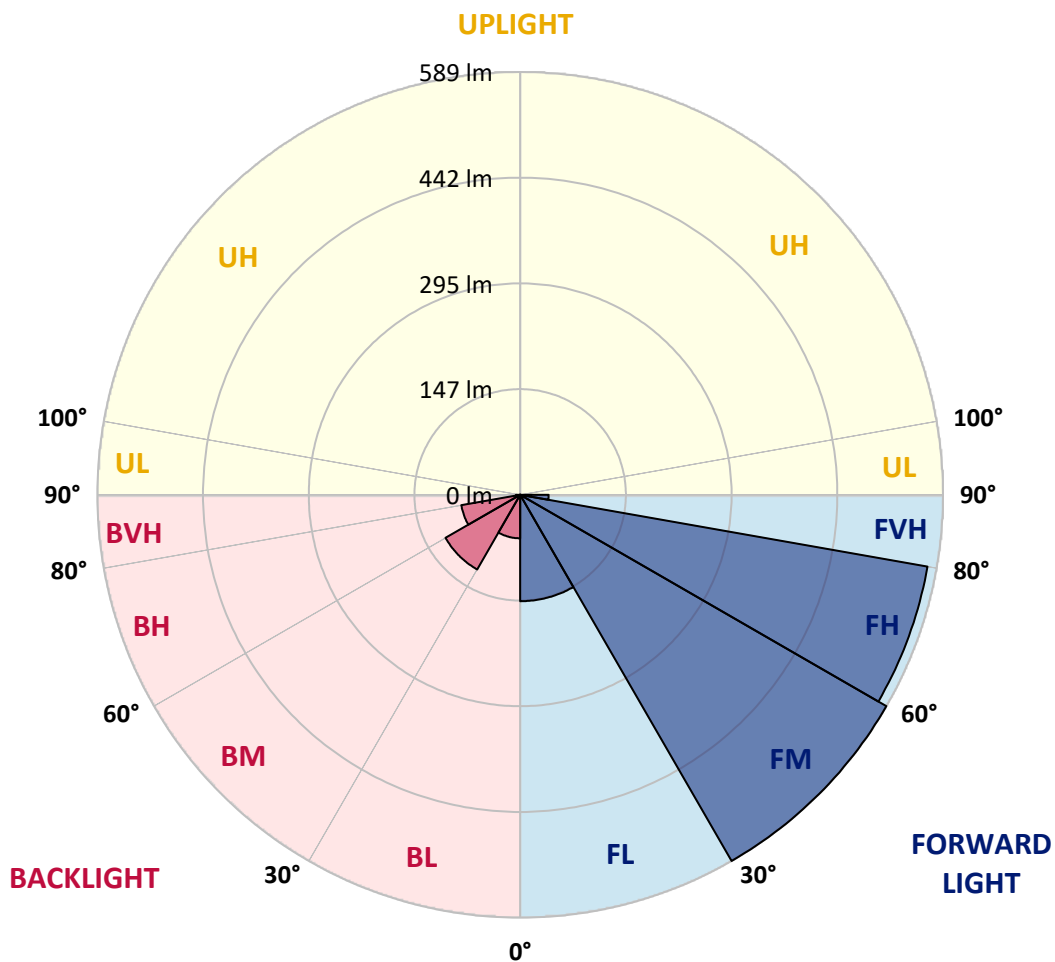
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	148.4	9.1			
FM	(30°-60°)	589.4	36.3			
FH	(60°-80°)	576.5	35.5			G0/660
FVH	(80°-90°)	39.7	2.4			G1/100
BL	(0°-30°)	60.6	3.7	B0/110		
BM	(30°-60°)	120.2	7.4	B0/220		
BH	(60°-80°)	83.3	5.1	B0/110		G0/110
BVH	(80°-90°)	5.9	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-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°	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4
2.5°	477.1	475.8	483.5	484.8	489.9	489.9	495.7	500.9	502.8	507.3	518.9
5°	461.6	465.5	476.4	487.4	495.1	502.8	511.1	521.4	529.8	543.9	573.5
7.5°	427.6	433.4	452.0	462.9	475.1	488.6	498.9	511.1	524.0	547.8	600.5
10°	394.1	398.6	422.4	435.9	453.3	467.4	482.2	495.7	509.9	539.4	600.5
12.5°	372.9	378.7	405.7	418.6	438.5	453.3	471.3	487.4	504.1	535.6	594.7
15°	368.4	374.8	400.6	416.6	434.0	448.1	464.2	480.9	497.6	528.5	581.2
17.5°	380.6	388.3	416.0	434.0	447.5	463.6	475.1	491.2	502.1	526.6	551.7
20°	409.6	418.6	451.4	468.7	479.6	489.9	498.9	508.6	513.1	518.9	514.4
22.5°	455.9	466.8	504.1	524.0	531.7	539.4	540.1	541.4	538.2	522.7	488.0
25°	522.1	533.0	575.4	594.7	594.7	594.7	587.7	582.5	567.7	538.8	480.9
27.5°	583.8	597.9	648.7	661.0	657.1	651.3	637.8	625.0	603.7	555.5	480.3
30°	630.1	644.2	691.2	700.8	691.2	677.0	655.8	637.2	612.1	563.9	484.8
32.5°	672.5	689.2	734.3	735.5	718.2	702.1	678.3	657.1	630.7	579.3	498.3
35°	717.5	734.3	779.9	770.9	745.8	724.0	699.5	680.9	654.5	599.2	520.1
37.5°	779.9	794.7	833.3	812.1	779.9	751.6	725.3	700.8	674.5	626.2	556.8
40°	840.3	861.6	896.9	862.8	823.6	785.7	756.8	731.0	702.1	662.9	603.7
42.5°	896.9	916.9	949.6	905.9	860.3	822.3	792.1	764.5	736.8	704.7	660.3
45°	940.0	960.6	988.2	941.9	889.8	850.6	817.8	793.4	769.0	747.1	731.7
47.5°	981.8	1002.4	1023.6	973.4	922.0	882.1	843.6	821.1	801.8	790.2	808.8
50°	1035.8	1049.9	1067.9	1013.9	959.3	913.6	875.1	857.7	839.7	843.6	905.9
52.5°	1109.1	1121.3	1127.7	1075.0	1013.9	961.9	919.4	895.6	880.8	903.4	1008.8
55°	1212.6	1230.0	1215.8	1163.7	1086.6	1027.4	975.4	947.1	938.1	968.3	1111.7
57.5°	1302.0	1309.7	1299.4	1248.0	1168.9	1102.7	1047.4	1017.8	1007.5	1047.4	1205.5
60°	1341.2	1350.8	1365.0	1320.6	1246.7	1181.1	1133.5	1104.6	1087.2	1133.5	1280.8
62.5°	1347.6	1363.7	1398.4	1375.9	1317.4	1268.5	1225.5	1185.6	1172.1	1207.5	1330.3
65°	1322.6	1347.0	1400.4	1392.0	1359.2	1340.6	1304.6	1273.7	1248.0	1251.8	1327.7
67.5°	1266.0	1294.3	1356.6	1352.8	1356.6	1356.6	1325.1	1299.4	1266.0	1218.4	1230.0
70°	1129.7	1167.0	1239.0	1257.6	1290.4	1290.4	1262.8	1223.5	1185.0	1087.2	1028.1
72.5°	905.3	930.4	1040.9	1131.6	1173.4	1156.7	1129.7	1064.1	979.2	871.8	791.5
75°	612.7	627.5	763.2	929.1	1004.9	990.8	946.4	864.8	777.3	657.7	556.2
77.5°	341.4	360.7	462.3	592.2	694.4	692.5	686.7	634.6	565.2	466.1	413.4
80°	200.6	207.0	260.4	354.9	443.0	421.8	407.0	365.8	330.5	285.5	326.0
82.5°	122.8	116.4	147.9	216.0	261.7	252.7	227.6	212.2	195.5	183.2	216.7
85°	33.4	30.2	60.4	90.7	111.2	120.2	120.2	118.9	106.7	80.4	96.4
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):

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
0°	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4
2.5°	523.4	524.0	522.1	526.6	521.4	518.9	511.1	511.1	504.7	499.6	493.8
5°	584.4	588.3	585.1	585.7	575.4	565.2	549.7	540.7	524.7	507.3	489.3
7.5°	625.6	632.0	629.5	618.5	602.4	580.6	554.9	530.4	504.1	475.8	449.4
10°	636.5	643.6	637.8	617.2	590.9	560.0	529.2	496.4	464.2	434.0	405.7
12.5°	621.1	626.2	614.0	591.5	565.8	534.9	502.8	474.5	436.6	404.4	371.6
15°	581.9	578.7	577.4	561.3	543.3	518.2	488.0	459.1	423.7	390.9	356.2
17.5°	539.4	535.6	536.9	530.4	527.9	516.3	493.8	469.4	437.9	398.0	360.7
20°	502.1	498.3	500.2	503.4	513.1	513.7	509.9	493.8	470.6	428.9	383.2
22.5°	470.0	470.6	477.1	486.1	502.1	522.7	538.8	542.0	525.9	477.1	419.8
25°	460.4	457.1	464.2	479.0	506.0	545.9	581.9	599.9	590.9	542.0	471.9
27.5°	457.1	452.6	460.4	479.6	522.7	578.7	630.1	657.1	660.3	610.2	527.9
30°	457.1	455.2	462.9	488.0	533.7	589.6	646.8	687.3	700.2	658.4	576.7
32.5°	462.9	464.2	477.7	509.9	556.8	614.0	673.2	716.9	740.0	708.5	616.0
35°	475.8	478.4	497.6	534.9	585.7	643.6	697.6	742.0	779.3	762.5	652.6
37.5°	503.4	507.3	531.1	569.0	615.3	667.4	720.1	767.7	821.7	814.6	691.2
40°	552.3	552.3	576.1	608.9	646.8	686.7	738.8	794.7	860.9	870.6	738.8
42.5°	614.0	611.4	626.9	650.7	677.0	710.5	757.4	819.8	897.6	918.8	774.8
45°	698.9	686.0	694.4	700.2	713.0	733.6	775.4	843.6	927.1	954.8	801.8
47.5°	798.5	780.5	773.5	762.5	758.0	765.8	801.8	862.2	955.4	985.6	845.5
50°	908.5	891.1	872.5	842.9	817.2	809.5	831.3	887.3	985.6	1024.2	893.7
52.5°	1022.9	1010.7	986.3	940.0	891.1	863.5	873.8	929.1	1033.9	1084.0	950.9
55°	1127.7	1131.6	1102.0	1048.0	977.9	935.5	947.7	1003.0	1121.3	1180.5	1046.7
57.5°	1240.3	1230.0	1206.8	1150.9	1074.4	1028.7	1033.9	1100.7	1219.0	1264.0	1141.9
60°	1314.8	1314.8	1289.8	1247.3	1174.7	1132.2	1140.0	1201.7	1297.5	1302.0	1184.3
62.5°	1363.1	1370.1	1350.2	1320.0	1249.3	1213.9	1240.3	1284.0	1336.1	1298.8	1163.1
65°	1339.9	1347.6	1345.7	1312.3	1262.1	1259.5	1307.1	1317.4	1312.9	1251.8	1089.8
67.5°	1235.1	1219.7	1219.0	1201.7	1191.4	1244.8	1305.2	1308.4	1232.5	1159.9	974.1
70°	1035.8	1009.4	999.2	1004.3	1051.2	1150.9	1237.0	1212.6	1091.7	1029.4	829.4
72.5°	798.5	767.0	760.6	780.5	853.2	993.4	1111.0	1076.9	897.6	824.9	642.3
75°	566.4	552.9	553.6	592.8	671.2	806.3	943.2	940.0	664.8	569.0	442.4
77.5°	412.1	414.7	426.3	441.7	509.2	639.7	768.3	760.0	473.2	390.9	309.3
80°	340.1	344.0	344.0	335.6	353.0	422.4	522.1	557.4	317.0	263.0	216.0
82.5°	244.3	263.6	274.5	261.0	254.6	278.4	327.3	350.4	197.4	165.9	151.1
85°	116.4	133.1	136.9	133.7	153.7	175.5	187.1	191.6	108.0	77.2	99.0
87.5°	0.0	0.0	0.6	5.1	14.1	24.4	24.4	37.3	5.8	1.9	4.5
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°	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4
2.5°	486.1	477.7	471.3	463.6	457.1	450.7	446.2	436.6	428.9	411.5	407.0
5°	474.5	456.5	444.3	432.7	417.9	407.6	396.7	383.2	368.4	343.3	335.6
7.5°	428.9	406.3	389.6	372.9	353.6	336.3	320.2	302.2	276.5	249.5	239.2
10°	379.3	355.6	332.4	312.5	289.3	270.0	255.9	243.0	222.5	201.9	188.4
12.5°	338.8	311.8	285.5	265.5	253.3	243.7	233.4	223.1	201.2	178.1	162.0
15°	320.2	288.7	265.5	248.8	237.9	226.3	214.1	202.5	176.8	149.8	130.5
17.5°	322.8	286.8	257.2	234.7	219.9	203.8	189.7	174.9	146.6	114.4	97.1
20°	336.9	288.7	248.2	221.8	200.6	180.0	162.0	143.4	108.7	83.6	71.4
22.5°	354.9	295.1	243.0	209.0	182.6	156.9	133.7	111.9	80.4	65.6	59.8
25°	385.8	309.9	241.8	197.4	165.2	134.4	110.6	87.4	64.9	57.9	54.7
27.5°	424.3	326.6	243.0	189.0	150.5	116.4	90.0	72.7	58.5	54.7	52.1
30°	462.9	344.0	237.3	176.2	133.1	99.7	77.2	66.2	57.9	53.4	48.9
32.5°	497.0	356.8	227.6	162.7	117.7	84.9	65.6	56.6	50.8	45.6	44.4
35°	521.4	362.6	216.7	154.3	107.4	75.9	57.9	50.8	45.0	39.9	37.3
37.5°	544.6	363.3	205.1	146.6	103.5	72.0	53.4	46.9	41.8	37.3	34.7
40°	568.4	360.7	198.7	138.9	97.7	70.1	51.4	43.7	40.5	35.4	32.8
42.5°	585.7	356.2	196.1	134.4	92.6	64.9	50.2	43.1	38.6	34.7	31.5
45°	601.8	351.7	196.1	130.5	88.7	61.7	47.6	43.7	37.3	34.1	30.2
47.5°	621.1	353.6	196.7	127.3	85.5	58.5	45.0	42.4	37.9	33.4	29.6
50°	653.9	375.5	200.0	125.4	82.9	55.9	43.1	40.5	41.8	32.8	28.9
52.5°	710.5	410.2	205.1	124.1	80.4	54.0	40.5	39.2	42.4	32.8	28.3
55°	784.4	445.6	210.2	120.9	76.5	50.2	39.2	36.6	39.2	32.8	27.6
57.5°	856.4	471.9	214.7	116.4	70.1	46.3	37.3	34.7	36.0	32.1	26.4
60°	898.2	492.5	219.2	108.7	62.4	41.8	35.4	32.8	32.1	32.1	25.7
62.5°	909.8	484.8	216.7	99.0	55.9	38.6	33.4	30.9	28.9	32.8	25.7
65°	873.1	444.3	207.0	90.7	51.4	37.3	31.5	29.6	27.6	28.3	24.4
67.5°	760.6	373.6	180.7	82.9	50.8	36.6	30.2	28.3	25.7	25.1	23.1
70°	620.5	293.2	149.8	77.2	50.2	36.6	28.9	26.4	24.4	22.5	21.2
72.5°	477.1	219.2	126.0	74.6	50.8	36.0	27.0	23.8	21.9	20.6	19.3
75°	335.6	155.0	104.8	66.9	47.6	34.1	25.1	21.2	19.3	18.0	16.7
77.5°	243.0	105.4	77.8	54.0	40.5	29.6	21.9	18.0	16.1	15.4	14.1
80°	155.0	64.9	52.1	39.9	29.6	23.1	16.7	14.1	12.9	11.6	10.9
82.5°	89.4	37.9	31.5	27.0	19.3	15.4	12.2	10.9	8.4	7.7	7.1
85°	54.7	23.8	17.4	14.1	12.2	9.6	7.1	6.4	4.5	3.9	3.2
87.5°	12.2	5.1	4.5	3.2	3.9	3.2	1.9	1.3	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°	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4
2.5°	399.9	390.3	390.9	389.0	383.8	375.5	372.9	368.4	369.1	371.6	369.1
5°	326.6	315.0	316.3	315.7	310.5	304.8	300.3	294.5	292.5	294.5	291.3
7.5°	231.5	223.7	226.3	232.1	231.5	228.2	224.4	218.0	216.7	217.3	211.5
10°	176.8	169.1	167.2	166.5	165.2	163.3	158.2	153.0	151.1	151.7	147.9
12.5°	147.9	141.4	133.7	126.7	120.2	117.7	111.2	108.0	107.4	107.4	105.4
15°	117.0	111.9	107.4	100.3	95.2	91.3	86.8	84.2	83.6	84.2	84.2
17.5°	87.4	84.9	82.9	82.3	79.7	77.2	74.6	73.3	72.7	72.7	73.3
20°	66.9	66.2	66.2	66.2	69.4	72.0	72.7	70.7	70.1	69.4	68.8
22.5°	57.9	57.2	57.9	61.7	59.8	57.9	57.9	57.9	57.9	57.9	58.5
25°	53.4	54.0	54.7	52.7	50.8	49.5	48.9	48.9	48.2	48.2	48.9
27.5°	50.8	50.2	49.5	48.2	46.9	45.0	44.4	43.7	43.7	43.7	43.7
30°	47.6	46.9	46.3	45.0	43.1	40.5	39.9	39.9	39.2	39.9	39.9
32.5°	43.7	43.1	42.4	41.1	39.2	37.9	37.3	36.0	36.0	36.0	36.6
35°	35.4	34.7	34.7	35.4	35.4	34.7	34.7	33.4	33.4	33.4	33.4
37.5°	32.8	32.1	32.1	31.5	32.1	32.8	32.1	31.5	31.5	30.9	30.9
40°	30.9	30.9	30.2	29.6	29.6	30.9	30.2	29.6	28.9	28.9	28.9
42.5°	29.6	28.9	28.9	28.3	28.3	28.3	27.6	27.0	26.4	26.4	26.4
45°	28.3	28.3	27.6	27.0	26.4	26.4	25.1	24.4	24.4	24.4	25.1
47.5°	27.6	27.0	27.0	26.4	25.7	24.4	23.8	23.1	23.1	23.1	23.1
50°	27.0	26.4	25.7	25.7	24.4	23.8	23.1	22.5	22.5	22.5	22.5
52.5°	26.4	25.7	25.1	24.4	23.8	23.1	22.5	21.9	21.9	21.9	21.9
55°	25.1	24.4	24.4	23.8	23.8	23.1	22.5	21.9	21.9	21.9	21.2
57.5°	24.4	23.8	23.1	23.1	23.1	22.5	21.9	21.2	21.2	21.2	21.2
60°	23.8	23.1	23.1	22.5	22.5	21.9	21.9	21.2	20.6	20.6	19.9
62.5°	23.1	22.5	22.5	21.9	22.5	21.9	21.2	20.6	19.9	19.9	19.3
65°	22.5	21.9	21.9	21.9	21.2	21.2	20.6	19.3	19.3	19.3	18.6
67.5°	21.2	20.6	20.6	21.2	20.6	19.9	19.9	18.6	18.6	18.0	18.0
70°	19.3	19.3	19.3	19.9	19.3	18.6	18.6	18.0	17.4	16.7	16.7
72.5°	18.0	17.4	18.0	18.0	18.0	17.4	18.0	16.7	16.1	15.4	15.4
75°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.8	14.1	13.5
77.5°	12.2	12.9	12.9	12.9	12.9	13.5	12.9	12.9	12.9	12.2	11.6
80°	9.0	9.0	9.6	10.3	9.6	10.3	9.6	10.3	9.6	9.6	9.6
82.5°	5.1	5.1	5.8	6.4	6.4	7.1	5.8	6.4	6.4	7.1	6.4
85°	1.9	1.9	1.9	1.9	2.6	2.6	1.9	2.6	2.6	3.2	3.2
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°	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4
2.5°	374.2	374.2	366.5	367.8	369.1	371.6	370.3	369.7	369.1	372.9	374.8
5°	293.8	293.2	283.5	282.9	284.8	285.5	283.5	280.3	278.4	279.0	281.0
7.5°	213.5	211.5	202.5	201.2	200.6	201.2	199.3	196.1	193.5	194.2	196.1
10°	149.2	144.0	142.7	143.4	144.7	146.0	146.0	146.0	146.6	150.5	155.0
12.5°	108.0	106.1	107.4	108.7	111.2	113.2	115.1	115.7	116.4	121.5	125.4
15°	85.5	85.5	86.8	87.4	88.7	90.0	91.3	91.3	91.9	93.9	97.1
17.5°	73.9	73.9	73.9	73.9	73.9	73.3	72.7	71.4	70.7	70.1	70.7
20°	68.2	67.5	66.2	65.6	64.3	63.0	62.4	60.4	59.8	57.9	57.2
22.5°	58.5	57.9	57.9	57.9	57.9	57.2	56.6	55.9	54.7	52.7	51.4
25°	48.2	48.2	48.2	48.9	48.9	49.5	50.8	50.8	50.8	50.8	48.9
27.5°	43.7	43.7	43.7	43.7	44.4	44.4	45.0	45.0	45.0	45.6	46.3
30°	39.9	40.5	40.5	41.1	41.1	41.8	41.8	42.4	42.4	43.1	43.1
32.5°	36.6	36.6	37.3	37.9	37.9	37.9	39.2	39.2	38.6	39.2	39.2
35°	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	31.5	30.9	31.5
37.5°	30.2	29.6	29.6	28.9	28.3	28.3	28.3	28.9	28.3	28.9	28.9
40°	27.6	27.6	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.6	28.3
42.5°	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	26.4	26.4
45°	24.4	24.4	24.4	24.4	25.1	25.1	25.1	25.1	25.1	25.1	25.7
47.5°	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	24.4	25.1
50°	22.5	22.5	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.8	24.4
52.5°	21.9	21.9	21.9	22.5	22.5	22.5	22.5	22.5	22.5	22.5	23.1
55°	21.2	21.9	21.9	21.9	21.9	21.9	21.2	21.2	21.2	21.2	21.9
57.5°	20.6	20.6	21.2	21.2	21.2	20.6	20.6	19.9	19.9	19.9	21.2
60°	19.9	19.9	19.9	19.9	19.9	19.3	19.3	19.3	19.3	19.9	19.9
62.5°	19.3	19.3	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
65°	18.6	18.6	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
67.5°	17.4	17.4	17.4	16.7	16.7	16.7	16.7	17.4	16.7	16.7	16.7
70°	16.1	16.1	16.1	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
72.5°	14.8	14.8	14.8	14.8	14.1	14.1	14.1	14.1	14.1	14.1	14.1
75°	13.5	12.9	12.9	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
77.5°	11.6	10.9	10.9	10.9	10.3	10.3	10.3	10.3	10.3	10.3	10.3
80°	9.6	9.0	9.0	8.4	8.4	8.4	8.4	8.4	8.4	7.7	7.7
82.5°	7.1	6.4	6.4	6.4	6.4	5.8	5.8	5.8	5.8	5.1	4.5
85°	3.2	3.2	2.6	3.2	3.2	3.9	3.2	3.2	3.2	2.6	1.3
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°	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	0°
2.5°	373.6	380.0	380.6	376.8	384.5	385.8	383.8	383.8	385.1	390.3	390.3	2.5°
5°	278.4	286.8	286.1	281.0	291.3	294.5	292.5	293.2	295.8	301.5	304.8	5°
7.5°	196.7	203.8	203.2	202.5	209.0	211.5	212.8	214.7	222.5	223.1	227.0	7.5°
10°	159.5	165.9	167.8	172.3	174.2	178.1	180.7	183.9	190.3	193.5	198.0	10°
12.5°	129.2	136.9	138.9	144.0	146.6	151.1	153.7	160.1	164.0	167.8	173.6	12.5°
15°	99.7	106.1	108.0	111.9	114.4	119.6	122.2	126.0	133.7	137.6	145.3	15°
17.5°	73.3	77.2	78.4	81.0	82.9	84.9	90.0	96.4	100.9	107.4	111.2	17.5°
20°	57.2	58.5	59.2	59.8	61.1	62.4	64.9	69.4	72.0	77.2	81.0	20°
22.5°	51.4	52.1	52.1	52.7	52.7	53.4	54.7	55.9	57.2	59.2	61.1	22.5°
25°	47.6	48.2	48.2	48.9	48.9	49.5	50.2	50.8	52.1	52.7	53.4	25°
27.5°	45.6	45.6	45.6	45.6	46.3	46.3	46.9	48.2	48.2	49.5	50.2	27.5°
30°	43.7	43.7	43.7	44.4	45.0	46.3	47.6	49.5	50.2	51.4	52.1	30°
32.5°	40.5	39.2	40.5	39.9	38.6	38.6	39.2	40.5	40.5	41.1	41.8	32.5°
35°	31.5	31.5	32.1	32.8	32.8	33.4	34.1	34.7	35.4	36.6	37.3	35°
37.5°	29.6	30.2	30.2	30.9	31.5	31.5	32.1	33.4	34.1	34.7	35.4	37.5°
40°	28.3	28.9	29.6	30.2	30.2	30.9	31.5	32.1	32.8	34.1	34.7	40°
42.5°	27.0	28.3	28.3	28.9	29.6	30.2	30.9	31.5	32.8	33.4	34.1	42.5°
45°	26.4	27.0	27.6	28.3	28.9	29.6	30.2	31.5	32.1	33.4	34.1	45°
47.5°	25.7	26.4	27.0	27.6	28.3	28.9	29.6	30.9	32.1	33.4	34.7	47.5°
50°	24.4	25.7	26.4	27.0	27.6	28.3	29.6	30.9	32.1	34.1	37.3	50°
52.5°	23.8	25.1	25.1	26.4	27.0	28.3	29.6	30.9	32.8	35.4	38.6	52.5°
55°	22.5	23.8	23.8	25.1	26.4	27.6	28.3	30.2	32.1	34.7	35.4	55°
57.5°	21.2	22.5	23.1	23.8	25.1	26.4	27.0	28.9	31.5	32.1	31.5	57.5°
60°	20.6	21.2	21.9	22.5	23.8	24.4	26.4	30.2	32.8	30.2	27.0	60°
62.5°	19.3	20.6	21.2	21.9	23.1	23.8	25.1	27.6	28.3	25.1	24.4	62.5°
65°	18.6	19.9	19.9	21.2	21.9	21.9	22.5	22.5	22.5	22.5	22.5	65°
67.5°	17.4	18.6	18.6	19.3	19.9	19.9	20.6	20.6	20.6	20.6	20.6	67.5°
70°	16.1	16.7	17.4	18.0	18.0	18.0	18.6	18.6	18.6	19.3	19.3	70°
72.5°	14.8	15.4	15.4	16.1	16.1	16.7	16.7	17.4	17.4	17.4	18.0	72.5°
75°	12.2	12.9	13.5	14.1	14.1	14.8	14.8	14.8	14.8	15.4	15.4	75°
77.5°	10.3	10.3	11.6	11.6	12.2	12.2	12.9	12.9	12.9	12.9	12.9	77.5°
80°	7.7	7.7	8.4	9.0	9.6	9.6	9.6	9.6	9.6	9.6	9.6	80°
82.5°	4.5	4.5	5.1	5.1	5.8	5.8	6.4	5.8	5.8	5.1	5.1	82.5°
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.6	0.6	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°
449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	0°	449.4
399.9	399.9	401.2	406.3	407.6	410.8	410.2	416.0	418.6	434.0	450.1	2.5°	465.5
316.3	318.9	322.8	329.2	333.1	340.1	338.8	350.4	352.3	380.6	408.3	5°	440.4
236.0	239.8	243.0	250.1	255.9	263.0	264.9	278.4	282.3	319.5	358.1	7.5°	402.5
204.5	207.7	212.2	216.7	222.5	225.7	230.8	237.3	241.8	269.4	313.8	10°	364.6
182.0	186.5	191.0	197.4	203.2	209.0	214.1	220.5	226.3	248.8	283.5	12.5°	342.1
154.3	159.5	164.6	171.7	180.0	185.8	191.6	198.7	205.7	233.4	273.9	15°	333.1
119.6	125.4	132.4	142.1	151.1	158.2	164.0	173.6	182.6	216.0	269.4	17.5°	342.1
88.1	93.2	99.7	108.0	114.4	126.7	133.1	144.7	155.6	197.4	263.0	20°	359.4
64.9	68.2	73.3	79.7	86.8	97.7	104.8	115.1	127.3	180.0	263.0	22.5°	389.0
54.7	55.9	57.9	61.7	66.2	73.9	81.0	91.3	103.5	164.6	270.0	25°	437.2
50.8	51.4	52.7	54.7	57.2	61.1	66.2	74.6	86.8	152.4	280.3	27.5°	488.6
53.4	53.4	53.4	54.0	55.3	57.2	59.8	64.9	72.7	134.4	287.4	30°	533.7
43.1	43.7	43.7	45.0	45.6	48.2	50.8	54.7	61.7	123.4	291.9	32.5°	565.8
38.6	39.2	39.9	40.5	41.8	42.4	45.0	49.5	56.6	116.4	291.3	35°	603.7
36.6	37.3	37.9	37.9	38.6	39.9	41.8	46.3	54.7	113.8	291.3	37.5°	647.5
36.0	36.0	36.0	36.0	37.3	38.6	41.8	46.3	53.4	111.2	293.2	40°	695.7
34.7	34.7	34.7	35.4	37.3	39.9	41.1	43.7	49.5	109.9	296.4	42.5°	739.4
34.7	34.7	35.4	37.9	38.6	38.6	39.2	41.1	46.9	109.9	302.8	45°	773.5
36.0	37.3	37.9	37.3	36.6	36.6	36.6	39.2	45.0	111.9	315.0	47.5°	812.7
39.2	38.6	36.0	35.4	35.4	34.1	34.7	37.3	44.4	111.9	340.1	50°	866.7
38.6	36.0	35.4	34.1	32.8	32.1	32.8	36.6	43.7	110.6	376.1	52.5°	945.8
34.7	34.1	32.1	30.9	30.2	30.9	32.1	35.4	42.4	109.3	420.5	55°	1041.6
30.2	29.6	28.3	28.3	28.9	29.6	31.5	34.1	39.2	106.1	455.9	57.5°	1129.7
26.4	26.4	26.4	27.0	27.6	28.3	30.2	32.1	36.0	100.3	479.6	60°	1186.3
23.8	24.4	24.4	25.7	26.4	27.0	28.3	30.2	32.8	93.9	484.8	62.5°	1186.9
22.5	23.1	23.8	23.8	24.4	25.1	27.0	28.9	32.8	88.7	453.3	65°	1140.0
21.2	21.2	21.9	22.5	23.1	23.8	25.1	28.3	33.4	84.2	384.5	67.5°	1021.0
19.3	19.9	20.6	21.2	21.2	21.9	23.8	28.3	34.1	82.3	305.4	70°	862.2
18.0	18.0	18.6	19.3	19.3	20.6	22.5	27.6	34.7	79.1	230.2	72.5°	672.5
15.4	16.1	16.1	16.1	16.7	18.0	20.6	25.1	30.2	65.6	155.6	75°	455.9
13.5	12.9	13.5	13.5	14.1	14.8	16.7	19.3	22.5	41.8	82.3	77.5°	290.0
9.6	9.0	9.0	9.6	9.6	9.6	10.9	11.6	12.9	25.7	45.6	80°	171.0
5.1	4.5	5.1	4.5	4.5	5.1	5.1	6.4	6.4	12.2	20.6	82.5°	106.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.5	85°	43.1
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°
449.4	449.4
473.2	477.1
456.5	461.6
420.5	427.6
387.1	394.1
369.1	372.9
360.7	368.4
372.9	380.6
397.3	409.6
440.4	455.9
508.6	522.1
562.6	583.8
612.7	630.1
652.6	672.5
698.2	717.5
753.5	779.9
810.8	840.3
864.1	896.9
914.3	940.0
952.9	981.8
1001.7	1035.8
1084.7	1109.1
1185.0	1212.6
1278.2	1302.0
1321.3	1341.2
1322.6	1347.6
1294.3	1322.6
1222.3	1266.0
1080.8	1129.7
849.3	905.3
563.9	612.7
325.3	341.4
192.2	200.6
114.4	122.8
30.9	33.4
0.0	0.0
0.0	0.0

(END OF REPORT)