

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: P271495

Luminaire Tested: **ISS-AF-350-LED-E1-SLL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P271495  
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-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**

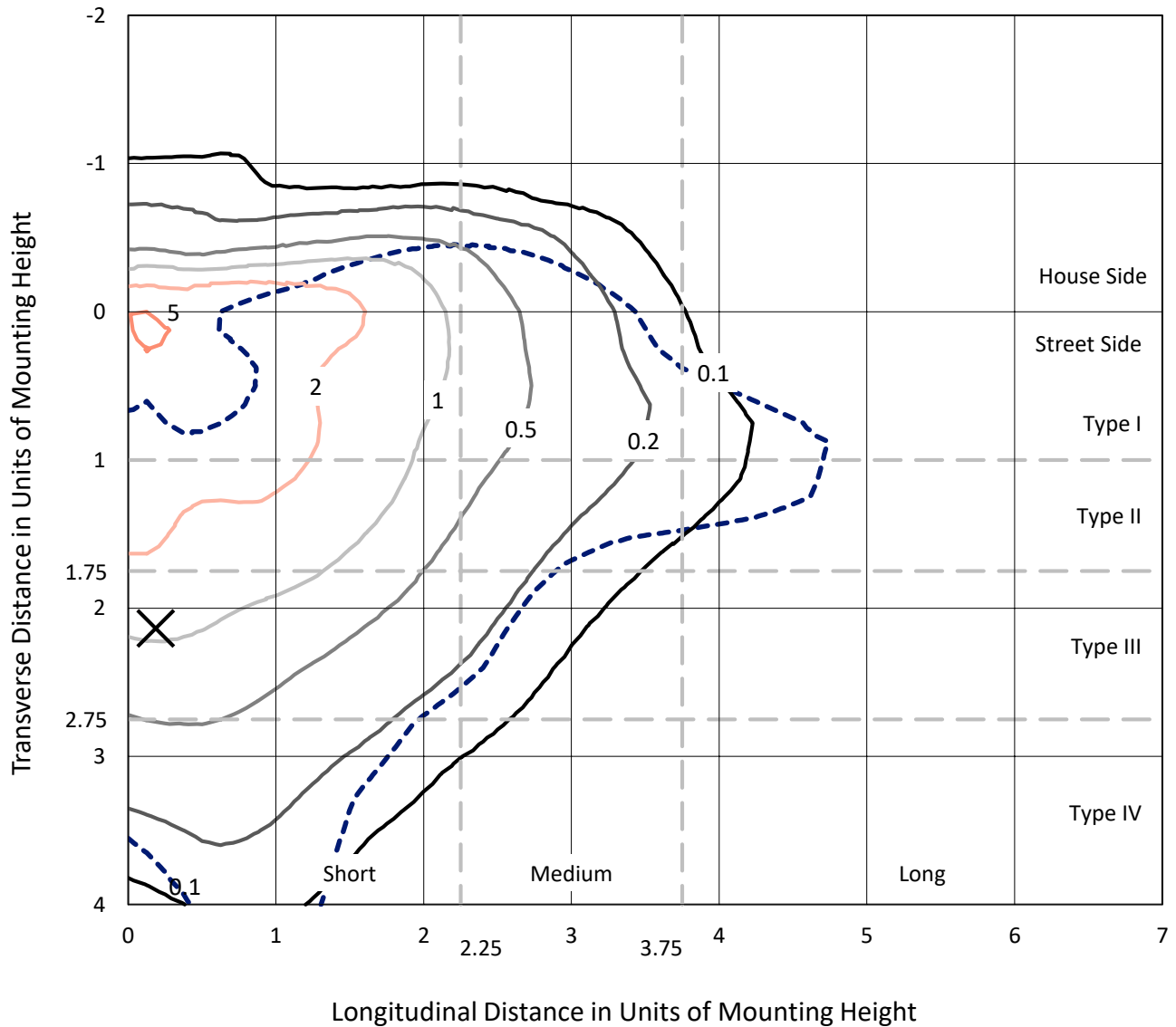
Lumens per Lamp: N/A  
Luminaire Lumens: 1728.4 lumens  
Efficiency: N/A  
Efficacy: 86.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 20.09  
Input Voltage (V): 120  
Input Current (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

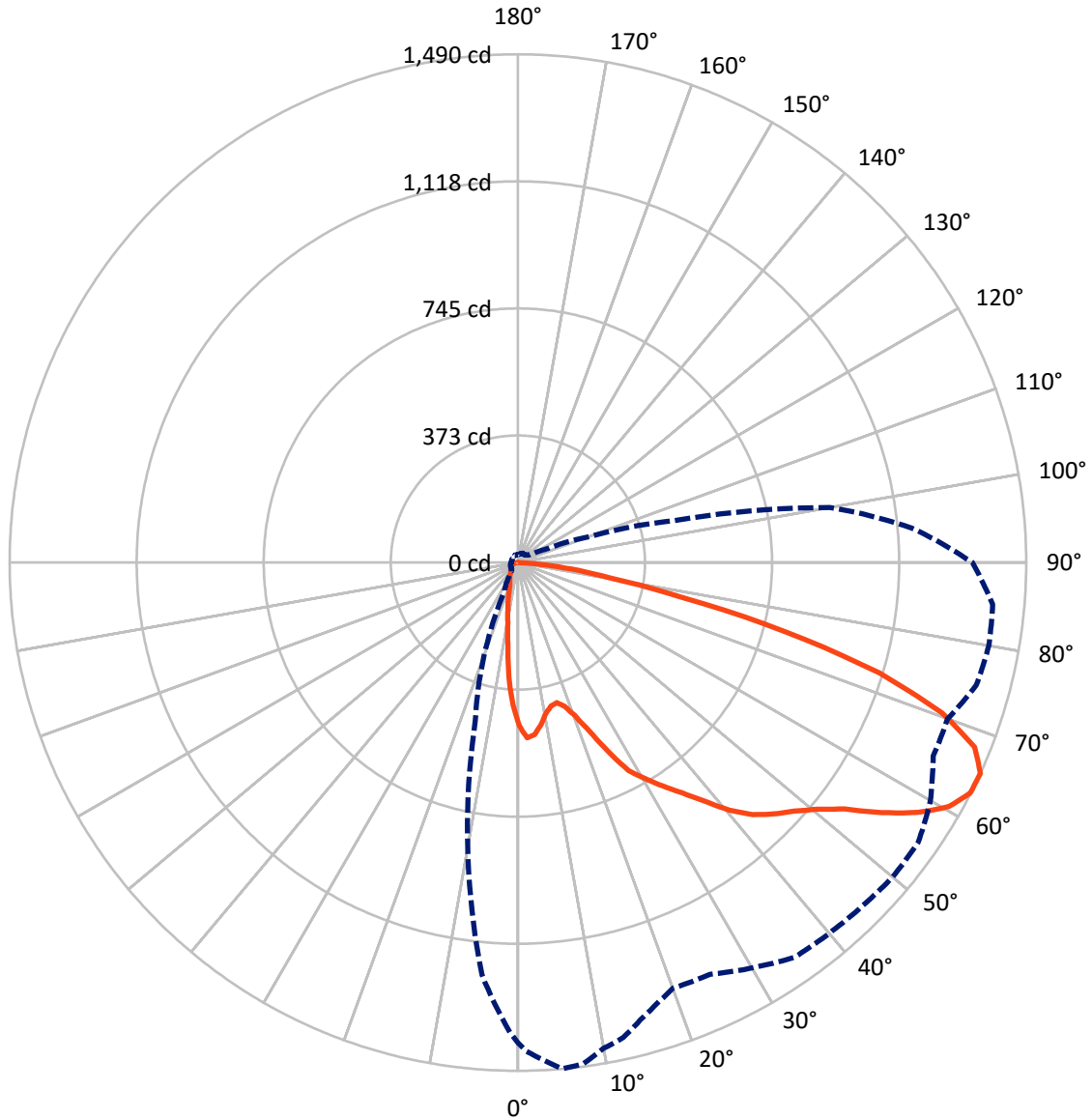
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 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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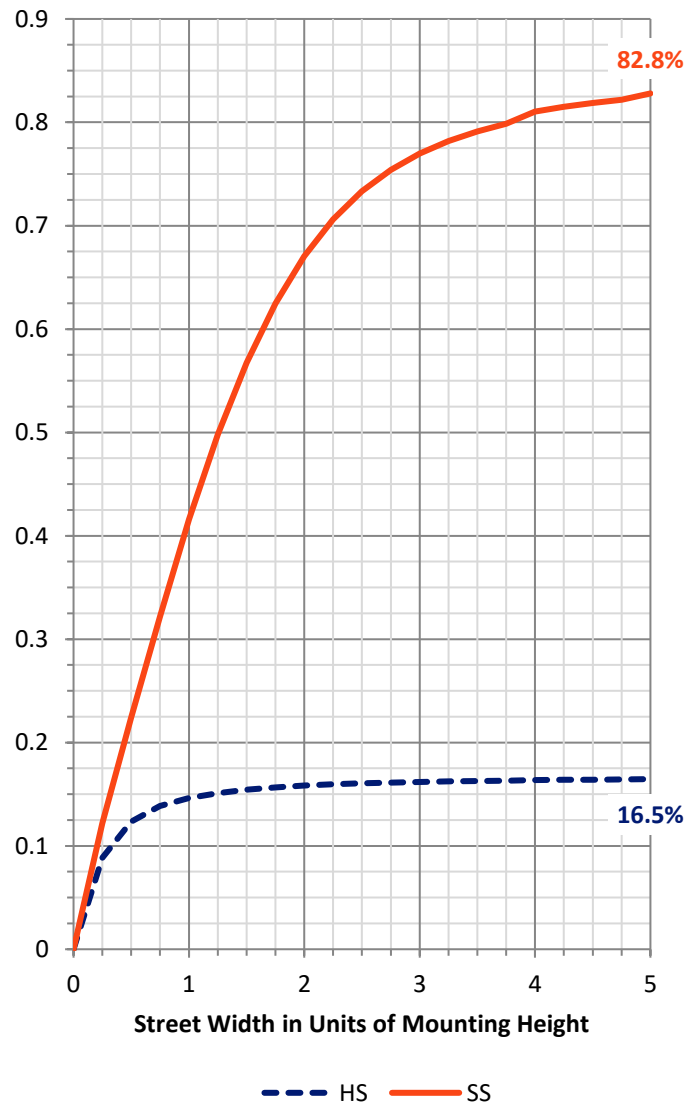
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	287.4	0.0	287.4
	% Fixture	16.6	0.0	16.6
<b>Street Side</b>	Lumens	1441.0	0.0	1441.0
	% Fixture	83.4	0.0	83.4
<b>Total</b>	Lumens	1728.4	0.0	1728.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.7	2.1
10°-20°	75.7	4.4
20°-30°	110.0	6.4
30°-40°	162.7	9.4
40°-50°	237.1	13.7
50°-60°	355.4	20.6
60°-70°	442.9	25.6
70°-80°	259.4	15.0
80°-90°	48.5	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°	1728.4	100.0
0°-180°	1728.4	100.0



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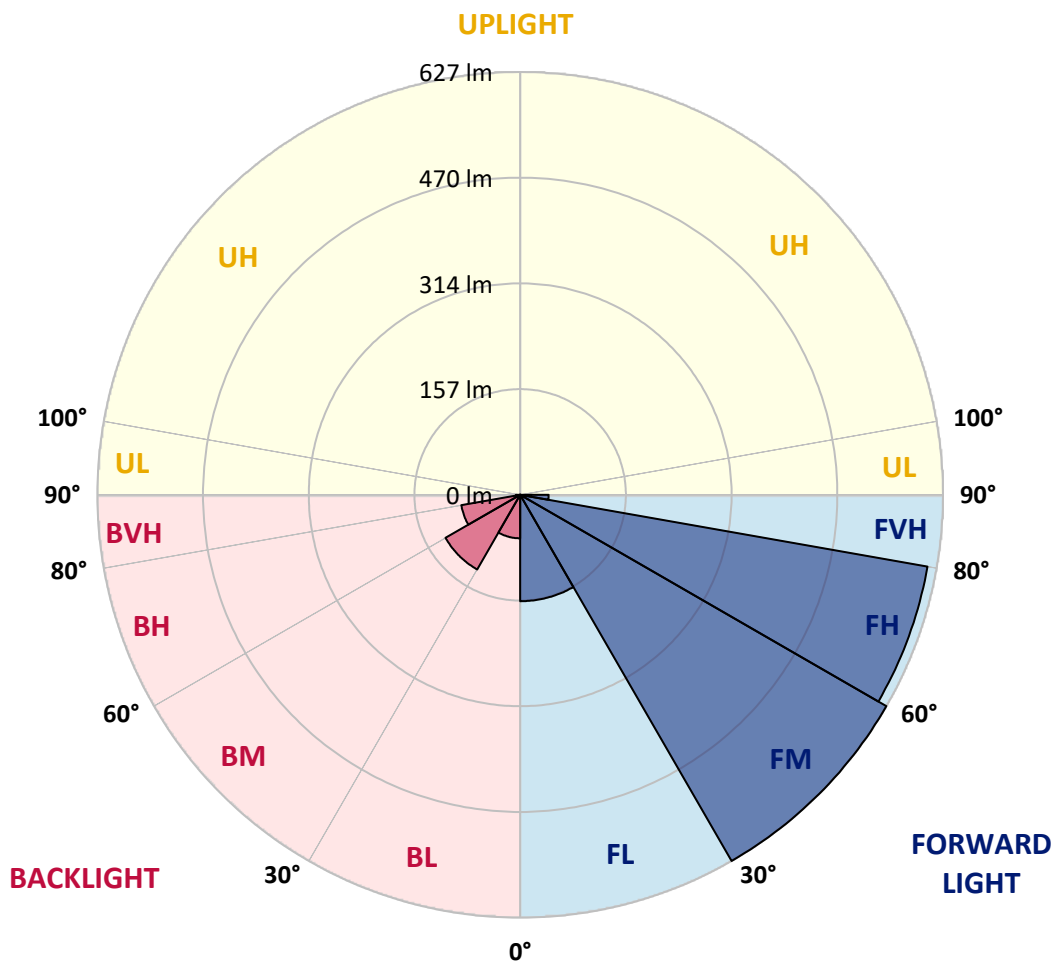
CATALOG NUMBER: ISS-AF-350-LED-E1-SLL-7027

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	157.9	9.1			
FM	(30°-60°)	627.3	36.3			
FH	(60°-80°)	613.6	35.5			G0/660
FVH	(80°-90°)	42.3	2.4			G1/100
BL	(0°-30°)	64.5	3.7	B0/110		
BM	(30°-60°)	127.9	7.4	B0/220		
BH	(60°-80°)	88.7	5.1	B0/110		G0/110
BVH	(80°-90°)	6.3	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°	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3
2.5°	507.7	506.4	514.5	516.0	521.5	521.5	527.6	533.1	535.1	539.9	552.2
5°	491.4	495.4	507.0	518.7	526.9	535.1	544.0	555.0	563.9	578.9	610.4
7.5°	455.0	461.2	481.0	492.7	505.7	520.1	531.0	544.0	557.7	583.0	639.1
10°	419.5	424.3	449.6	464.0	482.4	497.5	513.2	527.6	542.7	574.1	639.1
12.5°	396.9	403.0	431.7	445.5	466.7	482.4	501.5	518.7	536.5	570.1	632.9
15°	392.1	398.9	426.3	443.4	461.9	476.9	494.1	511.9	529.6	562.5	618.7
17.5°	405.0	413.3	442.8	461.9	476.2	493.3	505.7	522.8	534.4	560.5	587.1
20°	435.9	445.5	480.3	498.9	510.5	521.5	531.0	541.3	546.1	552.2	547.4
22.5°	485.2	496.9	536.5	557.7	565.9	574.1	574.7	576.2	572.8	556.3	519.4
25°	555.6	567.3	612.5	632.9	632.9	632.9	625.4	620.0	604.2	573.4	511.9
27.5°	621.4	636.4	690.4	703.5	699.3	693.2	678.8	665.1	642.6	591.3	511.1
30°	670.6	685.7	735.6	745.9	735.6	720.5	697.9	678.1	651.5	600.1	516.0
32.5°	715.8	733.6	781.4	782.9	764.4	747.2	721.9	699.3	671.2	616.6	530.3
35°	763.6	781.4	830.0	820.4	793.7	770.5	744.4	724.7	696.5	637.8	553.5
37.5°	830.0	845.8	886.9	864.3	830.0	799.9	771.8	745.9	717.8	666.5	592.6
40°	894.4	916.9	954.6	918.2	876.6	836.2	805.4	778.0	747.2	705.5	642.6
42.5°	954.6	975.8	1010.8	964.2	915.6	875.2	843.0	813.7	784.2	749.9	702.7
45°	1000.4	1022.3	1051.7	1002.5	947.0	905.3	870.4	844.4	818.4	795.1	778.7
47.5°	1044.9	1066.7	1089.4	1036.0	981.3	938.8	897.8	873.8	853.3	841.0	860.8
50°	1102.4	1117.4	1136.5	1079.1	1020.9	972.3	931.4	912.9	893.6	897.8	964.2
52.5°	1180.5	1193.4	1200.2	1144.1	1079.1	1023.7	978.5	953.2	937.5	961.5	1073.7
55°	1290.5	1309.0	1294.0	1238.5	1156.5	1093.5	1038.0	1008.0	998.4	1030.5	1183.1
57.5°	1385.6	1393.9	1382.9	1328.2	1244.1	1173.5	1114.7	1083.3	1072.3	1114.7	1283.0
60°	1427.4	1437.6	1452.6	1405.5	1326.9	1257.0	1206.4	1175.6	1157.2	1206.4	1363.1
62.5°	1434.2	1451.3	1488.3	1464.3	1402.1	1350.2	1304.2	1261.8	1247.5	1285.0	1415.8
65°	1407.6	1433.5	1490.4	1481.5	1446.6	1426.7	1388.4	1355.5	1328.2	1332.3	1413.0
67.5°	1347.4	1377.6	1443.8	1439.7	1443.8	1443.8	1410.2	1382.9	1347.4	1296.7	1309.0
70°	1202.3	1242.0	1318.6	1338.5	1373.4	1373.4	1344.0	1302.3	1261.1	1157.2	1094.1
72.5°	963.4	990.1	1107.9	1204.4	1248.8	1231.0	1202.3	1132.5	1042.1	927.9	842.3
75°	652.1	667.9	812.2	988.8	1069.5	1054.5	1007.3	920.3	827.2	700.0	591.9
77.5°	363.4	383.8	492.0	630.3	739.0	737.0	730.8	675.3	601.4	496.1	440.0
80°	213.4	220.4	277.1	377.7	471.5	449.0	433.2	389.3	351.8	303.9	346.9
82.5°	130.7	123.9	157.5	230.0	278.6	269.0	242.3	225.8	208.0	195.0	230.7
85°	35.7	32.2	64.3	96.5	118.4	128.0	128.0	126.6	113.5	85.5	102.7
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°	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3
2.5°	556.9	557.7	555.6	560.5	555.0	552.2	544.0	544.0	537.2	531.7	525.5
5°	622.0	626.1	622.6	623.3	612.5	601.4	585.1	575.5	558.4	539.9	520.7
7.5°	665.8	672.7	670.0	658.3	641.2	617.9	590.5	564.6	536.5	506.4	478.3
10°	677.4	685.0	678.8	656.9	628.8	596.0	563.1	528.2	494.1	461.9	431.7
12.5°	661.1	666.5	653.4	629.5	602.1	569.3	535.1	504.9	464.6	430.4	395.5
15°	619.3	615.9	614.5	597.4	578.1	551.5	519.4	488.6	450.9	416.1	379.1
17.5°	574.1	570.1	571.4	564.6	561.8	549.4	525.5	499.5	466.0	423.6	383.8
20°	534.4	530.3	532.3	535.7	546.1	546.8	542.7	525.5	500.9	456.4	407.8
22.5°	500.2	500.9	507.7	517.3	534.4	556.3	573.4	576.8	559.7	507.7	446.9
25°	489.9	486.5	494.1	509.8	538.5	580.9	619.3	638.4	628.8	576.8	502.2
27.5°	486.5	481.7	489.9	510.5	556.3	615.9	670.6	699.3	702.7	649.4	561.8
30°	486.5	484.5	492.7	519.4	568.0	627.5	688.4	731.5	745.1	700.7	613.8
32.5°	492.7	494.1	508.4	542.7	592.6	653.4	716.5	763.0	787.6	754.0	655.5
35°	506.4	509.1	529.6	569.3	623.3	685.0	742.4	789.7	829.3	811.6	694.6
37.5°	535.7	539.9	565.2	605.5	654.9	710.3	766.4	817.0	874.5	867.0	735.6
40°	587.9	587.9	613.1	647.9	688.4	730.8	786.3	845.8	916.2	926.5	786.3
42.5°	653.4	650.7	667.2	692.5	720.5	756.1	806.0	872.4	955.3	977.9	824.6
45°	743.8	730.1	739.0	745.1	758.9	780.8	825.3	897.8	986.8	1016.2	853.3
47.5°	849.9	830.8	823.2	811.6	806.8	815.0	853.3	917.6	1016.8	1049.0	899.8
50°	966.8	948.4	928.6	897.0	869.6	861.6	884.8	944.3	1049.0	1090.0	951.1
52.5°	1088.7	1075.7	1049.7	1000.4	948.4	919.0	929.9	988.8	1100.3	1153.7	1012.0
55°	1200.2	1204.4	1172.8	1115.3	1040.8	995.6	1008.7	1067.5	1193.4	1256.3	1114.0
57.5°	1320.0	1309.0	1284.4	1224.9	1143.5	1094.9	1100.3	1171.5	1297.4	1345.3	1215.2
60°	1399.4	1399.4	1372.7	1327.5	1250.2	1205.1	1213.3	1279.0	1380.9	1385.6	1260.4
62.5°	1450.8	1458.2	1437.0	1404.8	1329.5	1291.9	1320.0	1366.5	1421.9	1382.2	1237.9
65°	1426.1	1434.2	1432.2	1396.7	1343.2	1340.5	1391.1	1402.1	1397.3	1332.3	1159.8
67.5°	1314.5	1298.1	1297.4	1279.0	1268.0	1324.8	1389.0	1392.6	1311.7	1234.5	1036.6
70°	1102.4	1074.4	1063.3	1068.8	1118.7	1224.9	1316.6	1290.5	1161.9	1095.6	882.8
72.5°	849.9	816.4	809.6	830.8	908.1	1057.2	1182.5	1146.1	955.3	877.9	683.6
75°	602.9	588.5	589.2	630.9	714.4	858.2	1003.9	1000.4	707.5	605.5	470.8
77.5°	438.6	441.3	453.6	470.2	541.9	680.8	817.6	808.8	503.6	416.1	329.2
80°	361.9	366.1	366.1	357.2	375.7	449.6	555.6	593.3	337.3	279.9	230.0
82.5°	260.0	280.5	292.2	277.8	271.0	296.4	348.4	373.0	210.0	176.6	160.8
85°	123.9	141.7	145.7	142.3	163.5	186.8	199.2	203.9	114.9	82.1	105.4
87.5°	0.0	0.0	0.7	5.5	15.0	26.1	26.1	39.6	6.2	2.1	4.9
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°	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3
2.5°	517.3	508.4	501.5	493.3	486.5	479.6	474.9	464.6	456.4	437.9	433.2
5°	504.9	485.8	472.9	460.5	444.8	433.8	422.2	407.8	392.1	365.4	357.2
7.5°	456.4	432.4	414.7	396.9	376.4	357.9	340.7	321.6	294.3	265.4	254.6
10°	403.7	378.4	353.8	332.6	307.8	287.4	272.4	258.6	236.7	214.9	200.5
12.5°	360.6	331.8	303.9	282.6	269.6	259.3	248.4	237.4	214.2	189.5	172.5
15°	340.7	307.2	282.6	264.8	253.2	240.8	227.9	215.5	188.1	159.4	138.9
17.5°	343.5	305.2	273.7	249.8	234.0	216.9	201.8	186.1	156.0	121.8	103.3
20°	358.5	307.2	264.1	236.1	213.4	191.6	172.5	152.6	115.6	88.9	76.0
22.5°	377.7	314.0	258.6	222.4	194.3	166.9	142.3	119.0	85.5	69.8	63.6
25°	410.5	329.8	257.3	210.0	175.9	143.0	117.7	93.1	69.1	61.5	58.2
27.5°	451.6	347.6	258.6	201.2	160.1	123.9	95.8	77.3	62.3	58.2	55.4
30°	492.7	366.1	252.5	187.5	141.7	106.1	82.1	70.4	61.5	56.9	52.0
32.5°	528.9	379.7	242.3	173.1	125.2	90.3	69.8	60.3	54.1	48.6	47.3
35°	555.0	385.9	230.7	164.2	114.3	80.8	61.5	54.1	47.9	42.4	39.6
37.5°	579.6	386.6	218.3	156.0	110.1	76.6	56.9	49.9	44.5	39.6	36.9
40°	604.9	383.8	211.4	147.8	104.0	74.6	54.8	46.5	43.1	37.5	34.9
42.5°	623.3	379.1	208.7	143.0	98.5	69.1	53.4	45.8	41.1	36.9	33.6
45°	640.5	374.3	208.7	138.9	94.4	65.7	50.7	46.5	39.6	36.3	32.2
47.5°	661.1	376.4	209.3	135.5	91.0	62.3	47.9	45.2	40.3	35.7	31.5
50°	695.8	399.7	212.8	133.5	88.2	59.6	45.8	43.1	44.5	34.9	30.8
52.5°	756.1	436.6	218.3	132.1	85.5	57.5	43.1	41.7	45.2	34.9	30.1
55°	834.9	474.2	223.8	128.6	81.5	53.4	41.7	39.0	41.7	34.9	29.5
57.5°	911.5	502.2	228.6	123.9	74.6	49.2	39.6	36.9	38.3	34.2	28.0
60°	956.0	524.3	233.3	115.6	66.4	44.5	37.5	34.9	34.2	34.2	27.4
62.5°	968.2	516.0	230.7	105.4	59.6	41.1	35.7	32.9	30.8	34.9	27.4
65°	929.3	472.9	220.4	96.5	54.8	39.6	33.6	31.5	29.5	30.1	26.1
67.5°	809.6	397.6	192.2	88.2	54.1	39.0	32.2	30.1	27.4	26.7	24.6
70°	660.3	312.0	159.4	82.1	53.4	39.0	30.8	28.0	26.1	24.0	22.5
72.5°	507.7	233.3	134.0	79.4	54.1	38.3	28.7	25.3	23.3	21.9	20.5
75°	357.2	164.9	111.5	71.1	50.7	36.3	26.7	22.5	20.5	19.1	17.8
77.5°	258.6	112.2	82.8	57.5	43.1	31.5	23.3	19.1	17.1	16.3	15.0
80°	164.9	69.1	55.4	42.4	31.5	24.6	17.8	15.0	13.7	12.3	11.7
82.5°	95.1	40.3	33.6	28.7	20.5	16.3	12.9	11.7	8.9	8.3	7.5
85°	58.2	25.3	18.4	15.0	12.9	10.3	7.5	6.8	4.9	4.1	3.4
87.5°	12.9	5.5	4.9	3.4	4.1	3.4	2.1	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°	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3
2.5°	425.7	415.4	416.1	414.0	408.5	399.7	396.9	392.1	392.8	395.5	392.8
5°	347.6	335.2	336.7	336.0	330.5	324.4	319.5	313.4	311.4	313.4	309.9
7.5°	246.3	238.1	240.8	247.0	246.3	242.9	238.8	231.9	230.7	231.3	225.1
10°	188.1	180.0	178.0	177.2	175.9	173.8	168.3	162.9	160.8	161.4	157.5
12.5°	157.5	150.6	142.3	134.7	128.0	125.2	118.4	114.9	114.3	114.3	112.2
15°	124.5	119.0	114.3	106.8	101.3	97.2	92.3	89.7	88.9	89.7	89.7
17.5°	93.1	90.3	88.2	87.6	84.9	82.1	79.4	78.1	77.3	77.3	78.1
20°	71.1	70.4	70.4	70.4	73.9	76.6	77.3	75.3	74.6	73.9	73.2
22.5°	61.5	60.9	61.5	65.7	63.6	61.5	61.5	61.5	61.5	61.5	62.3
25°	56.9	57.5	58.2	56.1	54.1	52.7	52.0	52.0	51.3	51.3	52.0
27.5°	54.1	53.4	52.7	51.3	49.9	47.9	47.3	46.5	46.5	46.5	46.5
30°	50.7	49.9	49.2	47.9	45.8	43.1	42.4	42.4	41.7	42.4	42.4
32.5°	46.5	45.8	45.2	43.7	41.7	40.3	39.6	38.3	38.3	38.3	39.0
35°	37.5	36.9	36.9	37.5	37.5	36.9	36.9	35.7	35.7	35.7	35.7
37.5°	34.9	34.2	34.2	33.6	34.2	34.9	34.2	33.6	33.6	32.9	32.9
40°	32.9	32.9	32.2	31.5	31.5	32.9	32.2	31.5	30.8	30.8	30.8
42.5°	31.5	30.8	30.8	30.1	30.1	30.1	29.5	28.7	28.0	28.0	28.0
45°	30.1	30.1	29.5	28.7	28.0	28.0	26.7	26.1	26.1	26.1	26.7
47.5°	29.5	28.7	28.7	28.0	27.4	26.1	25.3	24.6	24.6	24.6	24.6
50°	28.7	28.0	27.4	27.4	26.1	25.3	24.6	24.0	24.0	24.0	24.0
52.5°	28.0	27.4	26.7	26.1	25.3	24.6	24.0	23.3	23.3	23.3	23.3
55°	26.7	26.1	26.1	25.3	25.3	24.6	24.0	23.3	23.3	23.3	22.5
57.5°	26.1	25.3	24.6	24.6	24.6	24.0	23.3	22.5	22.5	22.5	22.5
60°	25.3	24.6	24.6	24.0	24.0	23.3	23.3	22.5	21.9	21.9	21.2
62.5°	24.6	24.0	24.0	23.3	24.0	23.3	22.5	21.9	21.2	21.2	20.5
65°	24.0	23.3	23.3	23.3	22.5	22.5	21.9	20.5	20.5	20.5	19.9
67.5°	22.5	21.9	21.9	22.5	21.9	21.2	21.2	19.9	19.9	19.1	19.1
70°	20.5	20.5	20.5	21.2	20.5	19.9	19.9	19.1	18.4	17.8	17.8
72.5°	19.1	18.4	19.1	19.1	19.1	18.4	19.1	17.8	17.1	16.3	16.3
75°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	15.7	15.0	14.4
77.5°	12.9	13.7	13.7	13.7	13.7	14.4	13.7	13.7	13.7	12.9	12.3
80°	9.6	9.6	10.3	11.0	10.3	11.0	10.3	11.0	10.3	10.3	10.3
82.5°	5.5	5.5	6.2	6.8	6.8	7.5	6.2	6.8	6.8	7.5	6.8
85°	2.1	2.1	2.1	2.1	2.8	2.8	2.1	2.8	2.8	3.4	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	240°	242.5°	245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°
0°	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3
2.5°	398.3	398.3	390.0	391.4	392.8	395.5	394.2	393.5	392.8	396.9	398.9
5°	312.7	312.0	301.8	301.1	303.2	303.9	301.8	298.3	296.4	297.0	299.0
7.5°	227.2	225.1	215.5	214.2	213.4	214.2	212.1	208.7	206.0	206.7	208.7
10°	158.7	153.3	151.9	152.6	154.0	155.4	155.4	155.4	156.0	160.1	164.9
12.5°	114.9	112.8	114.3	115.6	118.4	120.5	122.5	123.2	123.9	129.4	133.5
15°	91.0	91.0	92.3	93.1	94.4	95.8	97.2	97.2	97.8	99.9	103.3
17.5°	78.7	78.7	78.7	78.7	78.7	78.1	77.3	76.0	75.3	74.6	75.3
20°	72.5	71.9	70.4	69.8	68.5	67.0	66.4	64.3	63.6	61.5	60.9
22.5°	62.3	61.5	61.5	61.5	61.5	60.9	60.3	59.6	58.2	56.1	54.8
25°	51.3	51.3	51.3	52.0	52.0	52.7	54.1	54.1	54.1	54.1	52.0
27.5°	46.5	46.5	46.5	46.5	47.3	47.3	47.9	47.9	47.9	48.6	49.2
30°	42.4	43.1	43.1	43.7	43.7	44.5	44.5	45.2	45.2	45.8	45.8
32.5°	39.0	39.0	39.6	40.3	40.3	40.3	41.7	41.7	41.1	41.7	41.7
35°	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	33.6	32.9	33.6
37.5°	32.2	31.5	31.5	30.8	30.1	30.1	30.1	30.8	30.1	30.8	30.8
40°	29.5	29.5	28.7	28.7	28.7	28.7	28.7	28.7	28.7	29.5	30.1
42.5°	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	28.0	28.0
45°	26.1	26.1	26.1	26.1	26.7	26.7	26.7	26.7	26.7	26.7	27.4
47.5°	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	26.1	26.7
50°	24.0	24.0	24.6	24.6	24.6	24.6	24.6	24.6	24.6	25.3	26.1
52.5°	23.3	23.3	23.3	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.6
55°	22.5	23.3	23.3	23.3	23.3	23.3	22.5	22.5	22.5	22.5	23.3
57.5°	21.9	21.9	22.5	22.5	22.5	21.9	21.9	21.2	21.2	21.2	22.5
60°	21.2	21.2	21.2	21.2	21.2	20.5	20.5	20.5	20.5	21.2	21.2
62.5°	20.5	20.5	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
65°	19.9	19.9	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
67.5°	18.4	18.4	18.4	17.8	17.8	17.8	17.8	18.4	17.8	17.8	17.8
70°	17.1	17.1	17.1	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
72.5°	15.7	15.7	15.7	15.7	15.0	15.0	15.0	15.0	15.0	15.0	15.0
75°	14.4	13.7	13.7	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
77.5°	12.3	11.7	11.7	11.7	11.0	11.0	11.0	11.0	11.0	11.0	11.0
80°	10.3	9.6	9.6	8.9	8.9	8.9	8.9	8.9	8.9	8.3	8.3
82.5°	7.5	6.8	6.8	6.8	6.8	6.2	6.2	6.2	6.2	5.5	4.9
85°	3.4	3.4	2.8	3.4	3.4	4.1	3.4	3.4	3.4	2.8	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°	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	0°
2.5°	397.6	404.3	405.0	401.0	409.2	410.5	408.5	408.5	409.9	415.4	415.4	2.5°
5°	296.4	305.2	304.5	299.0	309.9	313.4	311.4	312.0	314.8	321.0	324.4	5°
7.5°	209.3	216.9	216.2	215.5	222.4	225.1	226.6	228.6	236.7	237.4	241.6	7.5°
10°	169.7	176.6	178.7	183.3	185.4	189.5	192.2	195.7	202.6	206.0	210.7	10°
12.5°	137.5	145.7	147.8	153.3	156.0	160.8	163.5	170.4	174.5	178.7	184.7	12.5°
15°	106.1	112.8	114.9	119.0	121.8	127.3	130.1	134.0	142.3	146.4	154.7	15°
17.5°	78.1	82.1	83.5	86.1	88.2	90.3	95.8	102.7	107.4	114.3	118.4	17.5°
20°	60.9	62.3	62.9	63.6	64.9	66.4	69.1	73.9	76.6	82.1	86.1	20°
22.5°	54.8	55.4	55.4	56.1	56.1	56.9	58.2	59.6	60.9	62.9	64.9	22.5°
25°	50.7	51.3	51.3	52.0	52.0	52.7	53.4	54.1	55.4	56.1	56.9	25°
27.5°	48.6	48.6	48.6	48.6	49.2	49.2	49.9	51.3	51.3	52.7	53.4	27.5°
30°	46.5	46.5	46.5	47.3	47.9	49.2	50.7	52.7	53.4	54.8	55.4	30°
32.5°	43.1	41.7	43.1	42.4	41.1	41.1	41.7	43.1	43.1	43.7	44.5	32.5°
35°	33.6	33.6	34.2	34.9	34.9	35.7	36.3	36.9	37.5	39.0	39.6	35°
37.5°	31.5	32.2	32.2	32.9	33.6	33.6	34.2	35.7	36.3	36.9	37.5	37.5°
40°	30.1	30.8	31.5	32.2	32.2	32.9	33.6	34.2	34.9	36.3	36.9	40°
42.5°	28.7	30.1	30.1	30.8	31.5	32.2	32.9	33.6	34.9	35.7	36.3	42.5°
45°	28.0	28.7	29.5	30.1	30.8	31.5	32.2	33.6	34.2	35.7	36.3	45°
47.5°	27.4	28.0	28.7	29.5	30.1	30.8	31.5	32.9	34.2	35.7	36.9	47.5°
50°	26.1	27.4	28.0	28.7	29.5	30.1	31.5	32.9	34.2	36.3	39.6	50°
52.5°	25.3	26.7	26.7	28.0	28.7	30.1	31.5	32.9	34.9	37.5	41.1	52.5°
55°	24.0	25.3	25.3	26.7	28.0	29.5	30.1	32.2	34.2	36.9	37.5	55°
57.5°	22.5	24.0	24.6	25.3	26.7	28.0	28.7	30.8	33.6	34.2	33.6	57.5°
60°	21.9	22.5	23.3	24.0	25.3	26.1	28.0	32.2	34.9	32.2	28.7	60°
62.5°	20.5	21.9	22.5	23.3	24.6	25.3	26.7	29.5	30.1	26.7	26.1	62.5°
65°	19.9	21.2	21.2	22.5	23.3	23.3	24.0	24.0	24.0	24.0	24.0	65°
67.5°	18.4	19.9	19.9	20.5	21.2	21.2	21.9	21.9	21.9	21.9	21.9	67.5°
70°	17.1	17.8	18.4	19.1	19.1	19.1	19.9	19.9	19.9	20.5	20.5	70°
72.5°	15.7	16.3	16.3	17.1	17.1	17.8	17.8	18.4	18.4	18.4	19.1	72.5°
75°	12.9	13.7	14.4	15.0	15.0	15.7	15.7	15.7	15.7	16.3	16.3	75°
77.5°	11.0	11.0	12.3	12.3	12.9	12.9	13.7	13.7	13.7	13.7	13.7	77.5°
80°	8.3	8.3	8.9	9.6	10.3	10.3	10.3	10.3	10.3	10.3	10.3	80°
82.5°	4.9	4.9	5.5	5.5	6.2	6.2	6.8	6.2	6.2	5.5	5.5	82.5°
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.7	0.7	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°
478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	478.3	0°	478.3
425.7	425.7	427.0	432.4	433.8	437.3	436.6	442.8	445.5	461.9	479.0	2.5°	495.4
336.7	339.4	343.5	350.4	354.4	361.9	360.6	373.0	375.0	405.0	434.5	5°	468.7
251.2	255.3	258.6	266.2	272.4	279.9	281.9	296.4	300.4	340.1	381.2	7.5°	428.3
217.6	221.1	225.8	230.7	236.7	240.2	245.7	252.5	257.3	286.6	333.9	10°	388.0
193.7	198.4	203.3	210.0	216.2	222.4	227.9	234.6	240.8	264.8	301.8	12.5°	364.0
164.2	169.7	175.2	182.7	191.6	197.8	203.9	211.4	219.0	248.4	291.5	15°	354.4
127.3	133.5	140.9	151.3	160.8	168.3	174.5	184.7	194.3	230.0	286.6	17.5°	364.0
93.7	99.3	106.1	114.9	121.8	134.7	141.7	154.0	165.6	210.0	279.9	20°	382.5
69.1	72.5	78.1	84.9	92.3	104.0	111.5	122.5	135.5	191.6	279.9	22.5°	414.0
58.2	59.6	61.5	65.7	70.4	78.7	86.1	97.2	110.1	175.2	287.4	25°	465.3
54.1	54.8	56.1	58.2	60.9	64.9	70.4	79.4	92.3	162.1	298.3	27.5°	520.1
56.9	56.9	56.9	57.5	58.9	60.9	63.6	69.1	77.3	143.0	305.9	30°	568.0
45.8	46.5	46.5	47.9	48.6	51.3	54.1	58.2	65.7	131.4	310.6	32.5°	602.1
41.1	41.7	42.4	43.1	44.5	45.2	47.9	52.7	60.3	123.9	309.9	35°	642.6
39.0	39.6	40.3	40.3	41.1	42.4	44.5	49.2	58.2	121.1	309.9	37.5°	689.1
38.3	38.3	38.3	38.3	39.6	41.1	44.5	49.2	56.9	118.4	312.0	40°	740.5
36.9	36.9	36.9	37.5	39.6	42.4	43.7	46.5	52.7	117.0	315.5	42.5°	786.9
36.9	36.9	37.5	40.3	41.1	41.1	41.7	43.7	49.9	117.0	322.3	45°	823.2
38.3	39.6	40.3	39.6	39.0	39.0	39.0	41.7	47.9	119.0	335.2	47.5°	865.0
41.7	41.1	38.3	37.5	37.5	36.3	36.9	39.6	47.3	119.0	361.9	50°	922.4
41.1	38.3	37.5	36.3	34.9	34.2	34.9	39.0	46.5	117.7	400.4	52.5°	1006.6
36.9	36.3	34.2	32.9	32.2	32.9	34.2	37.5	45.2	116.3	447.5	55°	1108.6
32.2	31.5	30.1	30.1	30.8	31.5	33.6	36.3	41.7	112.8	485.2	57.5°	1202.3
28.0	28.0	28.0	28.7	29.5	30.1	32.2	34.2	38.3	106.8	510.5	60°	1262.5
25.3	26.1	26.1	27.4	28.0	28.7	30.1	32.2	34.9	99.9	516.0	62.5°	1263.2
24.0	24.6	25.3	25.3	26.1	26.7	28.7	30.8	34.9	94.4	482.4	65°	1213.3
22.5	22.5	23.3	24.0	24.6	25.3	26.7	30.1	35.7	89.7	409.2	67.5°	1086.6
20.5	21.2	21.9	22.5	22.5	23.3	25.3	30.1	36.3	87.6	325.1	70°	917.6
19.1	19.1	19.9	20.5	20.5	21.9	24.0	29.5	36.9	84.2	245.0	72.5°	715.8
16.3	17.1	17.1	17.1	17.8	19.1	21.9	26.7	32.2	69.8	165.6	75°	485.2
14.4	13.7	14.4	14.4	15.0	15.7	17.8	20.5	24.0	44.5	87.6	77.5°	308.6
10.3	9.6	9.6	10.3	10.3	10.3	11.7	12.3	13.7	27.4	48.6	80°	182.1
5.5	4.9	5.5	4.9	4.9	5.5	5.5	6.8	6.8	12.9	21.9	82.5°	112.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.9	85°	45.8
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°
478.3	478.3
503.6	507.7
485.8	491.4
447.5	455.0
412.0	419.5
392.8	396.9
383.8	392.1
396.9	405.0
422.9	435.9
468.7	485.2
541.3	555.6
598.7	621.4
652.1	670.6
694.6	715.8
743.2	763.6
802.0	830.0
862.9	894.4
919.7	954.6
973.0	1000.4
1014.1	1044.9
1066.1	1102.4
1154.4	1180.5
1261.1	1290.5
1360.3	1385.6
1406.2	1427.4
1407.6	1434.2
1377.6	1407.6
1300.8	1347.4
1150.3	1202.3
904.0	963.4
600.1	652.1
346.3	363.4
204.6	213.4
121.8	130.7
32.9	35.7
0.0	0.0
0.0	0.0

(END OF REPORT)