

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: P228621

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228621
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-SLR-8030
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT
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

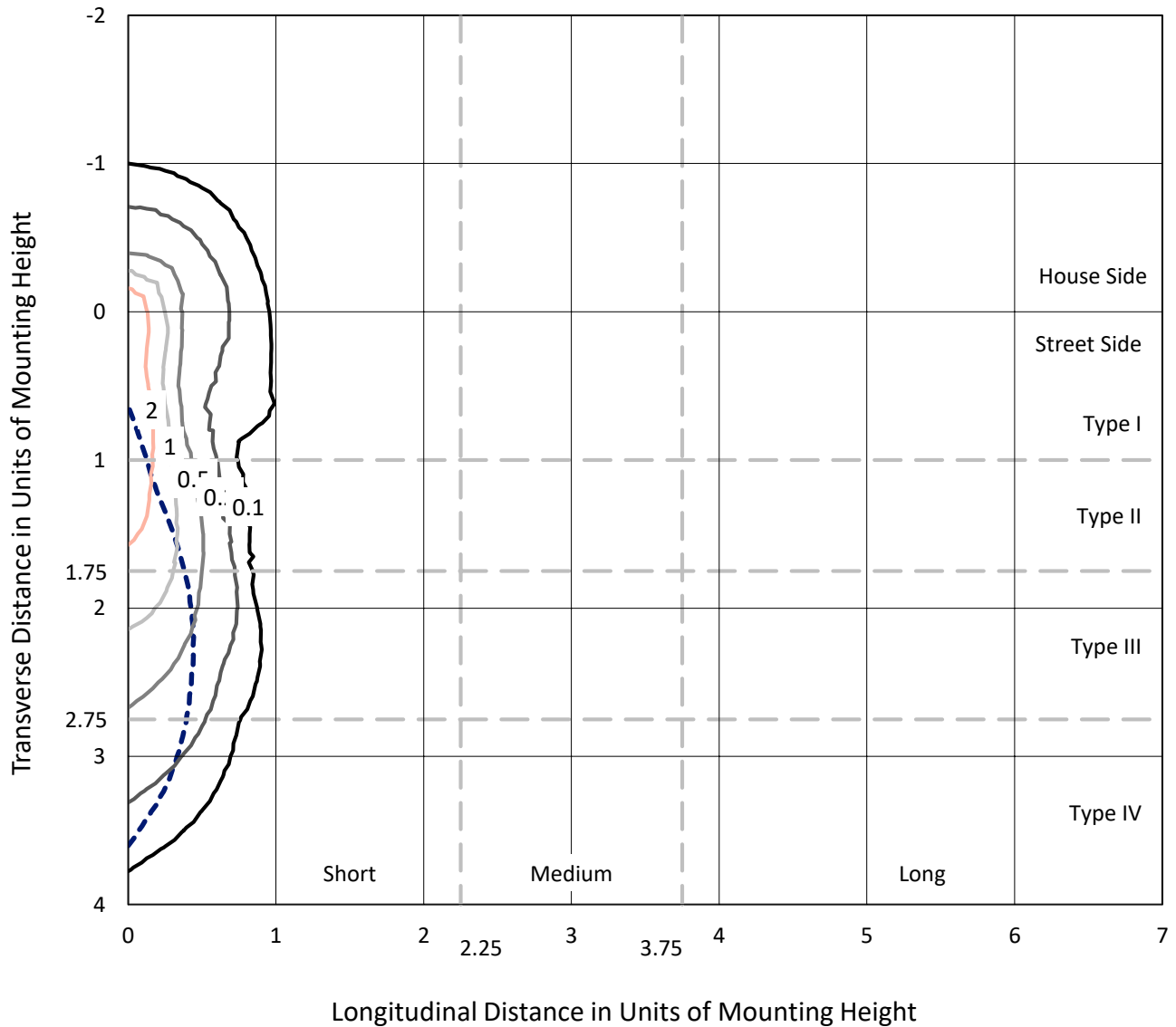
Input Watts (W): 20.09
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

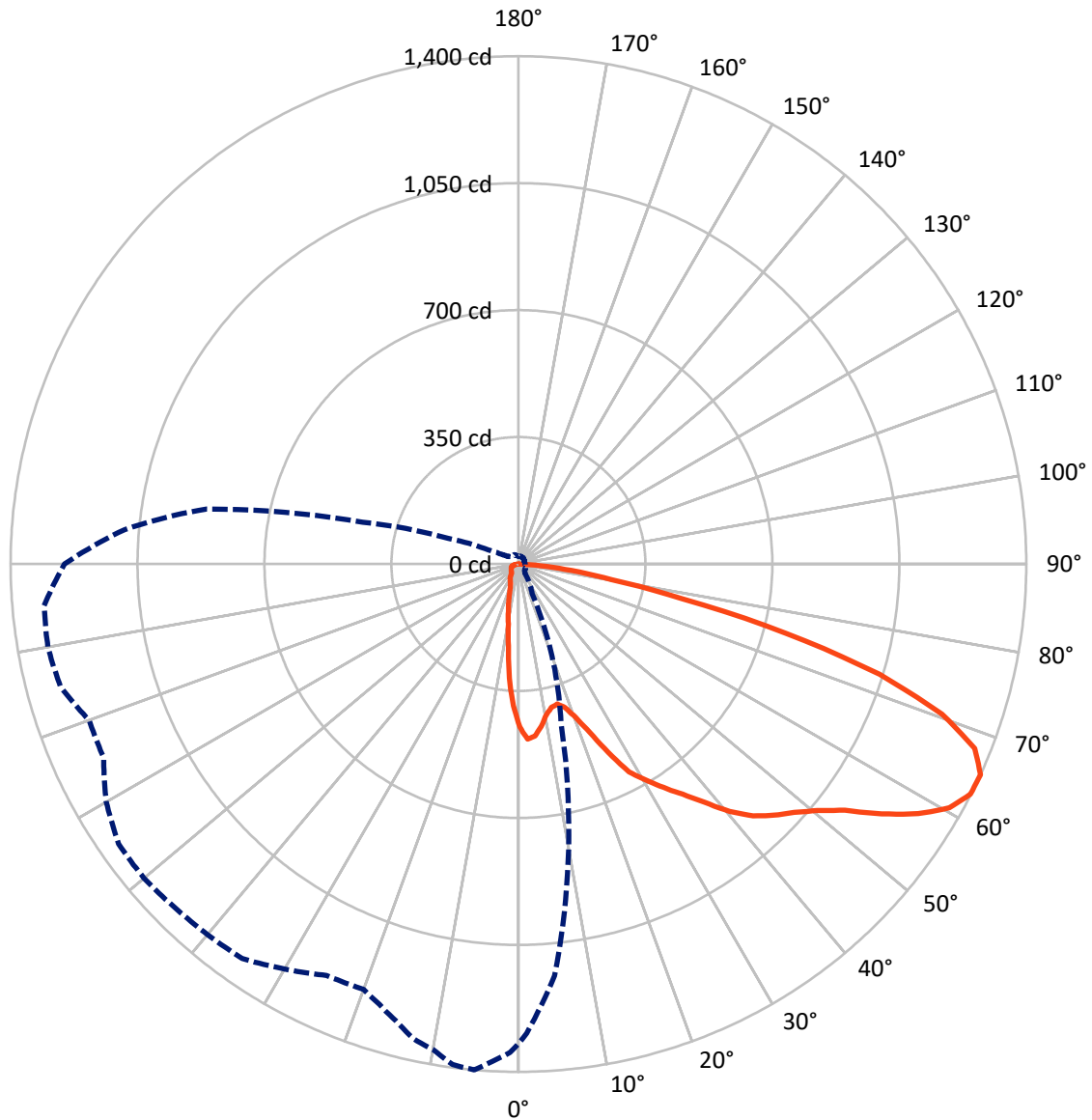
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 355-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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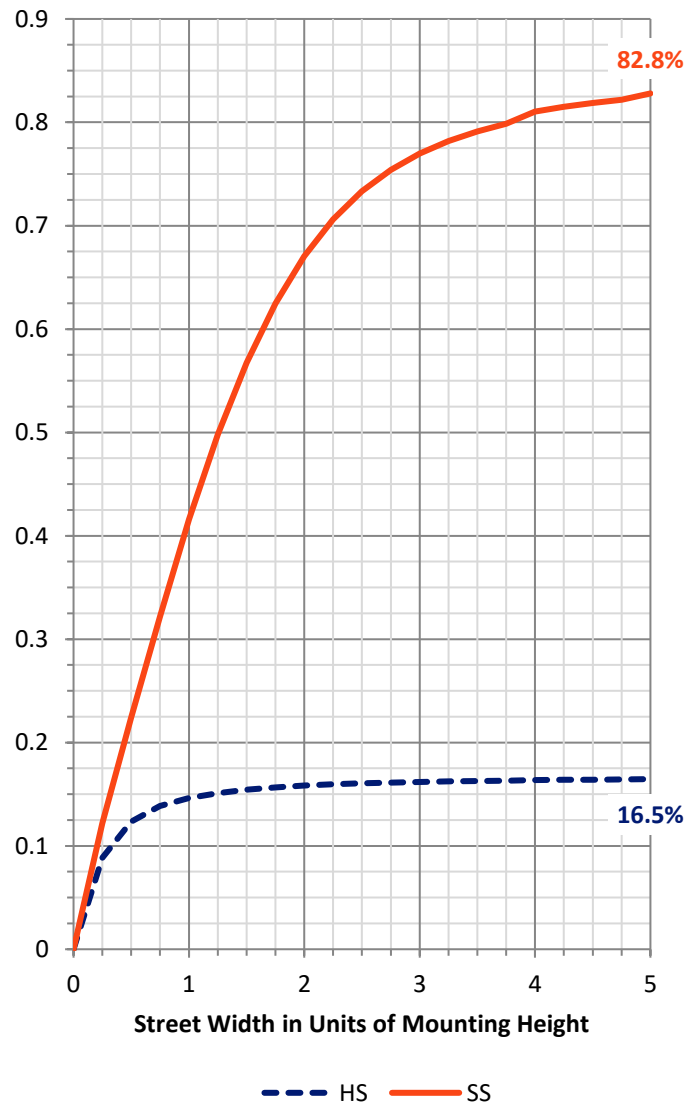
FLUX DISTRIBUTION:

		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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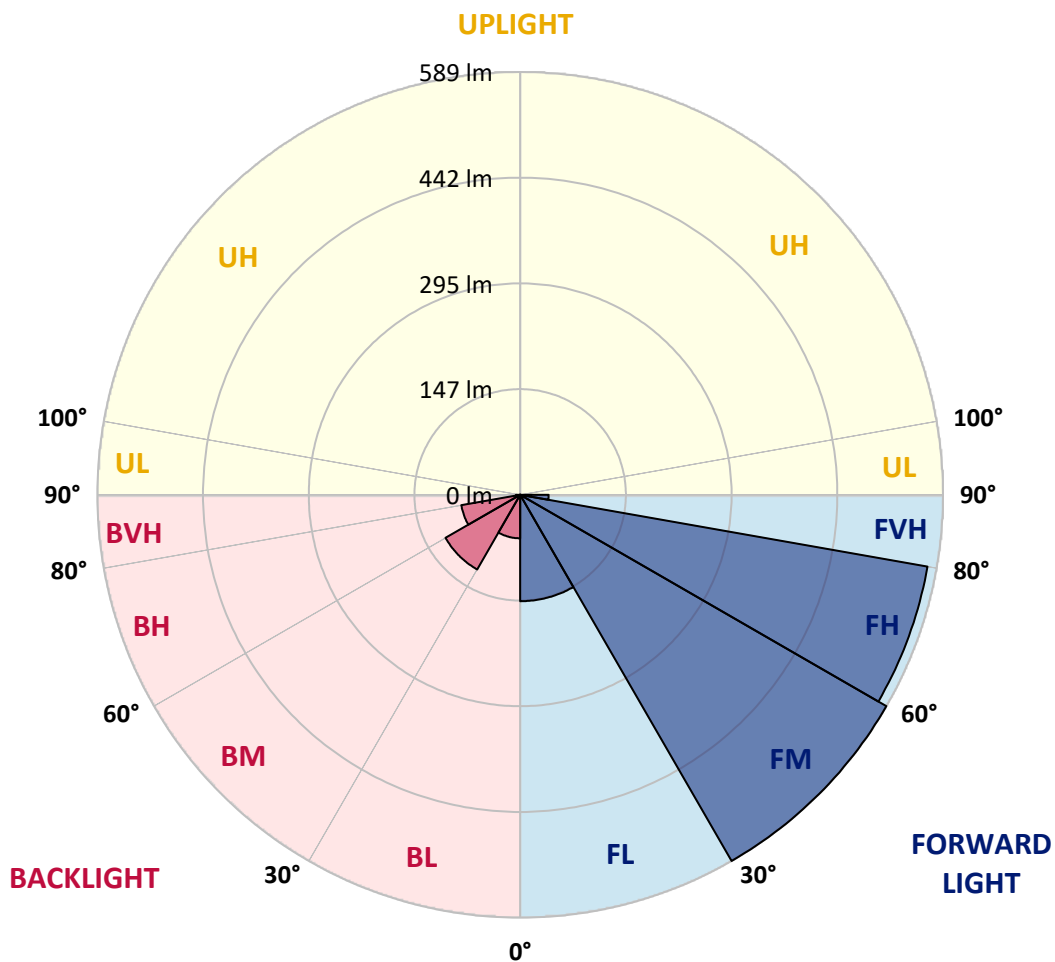
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

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°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
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°	477.1	473.2	465.5	450.1	434.0	418.6	416.0	410.2	410.8	407.6	406.3
5°	461.6	456.5	440.4	408.3	380.6	352.3	350.4	338.8	340.1	333.1	329.2
7.5°	427.6	420.5	402.5	358.1	319.5	282.3	278.4	264.9	263.0	255.9	250.1
10°	394.1	387.1	364.6	313.8	269.4	241.8	237.3	230.8	225.7	222.5	216.7
12.5°	372.9	369.1	342.1	283.5	248.8	226.3	220.5	214.1	209.0	203.2	197.4
15°	368.4	360.7	333.1	273.9	233.4	205.7	198.7	191.6	185.8	180.0	171.7
17.5°	380.6	372.9	342.1	269.4	216.0	182.6	173.6	164.0	158.2	151.1	142.1
20°	409.6	397.3	359.4	263.0	197.4	155.6	144.7	133.1	126.7	114.4	108.0
22.5°	455.9	440.4	389.0	263.0	180.0	127.3	115.1	104.8	97.7	86.8	79.7
25°	522.1	508.6	437.2	270.0	164.6	103.5	91.3	81.0	73.9	66.2	61.7
27.5°	583.8	562.6	488.6	280.3	152.4	86.8	74.6	66.2	61.1	57.2	54.7
30°	630.1	612.7	533.7	287.4	134.4	72.7	64.9	59.8	57.2	55.3	54.0
32.5°	672.5	652.6	565.8	291.9	123.4	61.7	54.7	50.8	48.2	45.6	45.0
35°	717.5	698.2	603.7	291.3	116.4	56.6	49.5	45.0	42.4	41.8	40.5
37.5°	779.9	753.5	647.5	291.3	113.8	54.7	46.3	41.8	39.9	38.6	37.9
40°	840.3	810.8	695.7	293.2	111.2	53.4	46.3	41.8	38.6	37.3	36.0
42.5°	896.9	864.1	739.4	296.4	109.9	49.5	43.7	41.1	39.9	37.3	35.4
45°	940.0	914.3	773.5	302.8	109.9	46.9	41.1	39.2	38.6	38.6	37.9
47.5°	981.8	952.9	812.7	315.0	111.9	45.0	39.2	36.6	36.6	36.6	37.3
50°	1035.8	1001.7	866.7	340.1	111.9	44.4	37.3	34.7	34.1	35.4	35.4
52.5°	1109.1	1084.7	945.8	376.1	110.6	43.7	36.6	32.8	32.1	32.8	34.1
55°	1212.6	1185.0	1041.6	420.5	109.3	42.4	35.4	32.1	30.9	30.2	30.9
57.5°	1302.0	1278.2	1129.7	455.9	106.1	39.2	34.1	31.5	29.6	28.9	28.3
60°	1341.2	1321.3	1186.3	479.6	100.3	36.0	32.1	30.2	28.3	27.6	27.0
62.5°	1347.6	1322.6	1186.9	484.8	93.9	32.8	30.2	28.3	27.0	26.4	25.7
65°	1322.6	1294.3	1140.0	453.3	88.7	32.8	28.9	27.0	25.1	24.4	23.8
67.5°	1266.0	1222.3	1021.0	384.5	84.2	33.4	28.3	25.1	23.8	23.1	22.5
70°	1129.7	1080.8	862.2	305.4	82.3	34.1	28.3	23.8	21.9	21.2	21.2
72.5°	905.3	849.3	672.5	230.2	79.1	34.7	27.6	22.5	20.6	19.3	19.3
75°	612.7	563.9	455.9	155.6	65.6	30.2	25.1	20.6	18.0	16.7	16.1
77.5°	341.4	325.3	290.0	82.3	41.8	22.5	19.3	16.7	14.8	14.1	13.5
80°	200.6	192.2	171.0	45.6	25.7	12.9	11.6	10.9	9.6	9.6	9.6
82.5°	122.8	114.4	106.1	20.6	12.2	6.4	6.4	5.1	5.1	4.5	4.5
85°	33.4	30.9	43.1	4.5	1.3	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
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):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
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°	401.2	399.9	399.9	390.3	390.3	385.1	383.8	383.8	385.8	384.5	376.8
5°	322.8	318.9	316.3	304.8	301.5	295.8	293.2	292.5	294.5	291.3	281.0
7.5°	243.0	239.8	236.0	227.0	223.1	222.5	214.7	212.8	211.5	209.0	202.5
10°	212.2	207.7	204.5	198.0	193.5	190.3	183.9	180.7	178.1	174.2	172.3
12.5°	191.0	186.5	182.0	173.6	167.8	164.0	160.1	153.7	151.1	146.6	144.0
15°	164.6	159.5	154.3	145.3	137.6	133.7	126.0	122.2	119.6	114.4	111.9
17.5°	132.4	125.4	119.6	111.2	107.4	100.9	96.4	90.0	84.9	82.9	81.0
20°	99.7	93.2	88.1	81.0	77.2	72.0	69.4	64.9	62.4	61.1	59.8
22.5°	73.3	68.2	64.9	61.1	59.2	57.2	55.9	54.7	53.4	52.7	52.7
25°	57.9	55.9	54.7	53.4	52.7	52.1	50.8	50.2	49.5	48.9	48.9
27.5°	52.7	51.4	50.8	50.2	49.5	48.2	48.2	46.9	46.3	46.3	45.6
30°	53.4	53.4	53.4	52.1	51.4	50.2	49.5	47.6	46.3	45.0	44.4
32.5°	43.7	43.7	43.1	41.8	41.1	40.5	40.5	39.2	38.6	38.6	39.9
35°	39.9	39.2	38.6	37.3	36.6	35.4	34.7	34.1	33.4	32.8	32.8
37.5°	37.9	37.3	36.6	35.4	34.7	34.1	33.4	32.1	31.5	31.5	30.9
40°	36.0	36.0	36.0	34.7	34.1	32.8	32.1	31.5	30.9	30.2	30.2
42.5°	34.7	34.7	34.7	34.1	33.4	32.8	31.5	30.9	30.2	29.6	28.9
45°	35.4	34.7	34.7	34.1	33.4	32.1	31.5	30.2	29.6	28.9	28.3
47.5°	37.9	37.3	36.0	34.7	33.4	32.1	30.9	29.6	28.9	28.3	27.6
50°	36.0	38.6	39.2	37.3	34.1	32.1	30.9	29.6	28.3	27.6	27.0
52.5°	35.4	36.0	38.6	38.6	35.4	32.8	30.9	29.6	28.3	27.0	26.4
55°	32.1	34.1	34.7	35.4	34.7	32.1	30.2	28.3	27.6	26.4	25.1
57.5°	28.3	29.6	30.2	31.5	32.1	31.5	28.9	27.0	26.4	25.1	23.8
60°	26.4	26.4	26.4	27.0	30.2	32.8	30.2	26.4	24.4	23.8	22.5
62.5°	24.4	24.4	23.8	24.4	25.1	28.3	27.6	25.1	23.8	23.1	21.9
65°	23.8	23.1	22.5	22.5	22.5	22.5	22.5	22.5	21.9	21.9	21.2
67.5°	21.9	21.2	21.2	20.6	20.6	20.6	20.6	20.6	19.9	19.9	19.3
70°	20.6	19.9	19.3	19.3	19.3	18.6	18.6	18.6	18.0	18.0	18.0
72.5°	18.6	18.0	18.0	18.0	17.4	17.4	17.4	16.7	16.7	16.1	16.1
75°	16.1	16.1	15.4	15.4	15.4	14.8	14.8	14.8	14.8	14.1	14.1
77.5°	13.5	12.9	13.5	12.9	12.9	12.9	12.9	12.9	12.2	12.2	11.6
80°	9.0	9.0	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.0
82.5°	5.1	4.5	5.1	5.1	5.1	5.8	5.8	6.4	5.8	5.8	5.1
85°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.3	1.3	1.3	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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CANDELA DISTRIBUTION (continued):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
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°	380.6	380.0	373.6	374.8	372.9	369.1	369.7	370.3	371.6	369.1	367.8
5°	286.1	286.8	278.4	281.0	279.0	278.4	280.3	283.5	285.5	284.8	282.9
7.5°	203.2	203.8	196.7	196.1	194.2	193.5	196.1	199.3	201.2	200.6	201.2
10°	167.8	165.9	159.5	155.0	150.5	146.6	146.0	146.0	146.0	144.7	143.4
12.5°	138.9	136.9	129.2	125.4	121.5	116.4	115.7	115.1	113.2	111.2	108.7
15°	108.0	106.1	99.7	97.1	93.9	91.9	91.3	91.3	90.0	88.7	87.4
17.5°	78.4	77.2	73.3	70.7	70.1	70.7	71.4	72.7	73.3	73.9	73.9
20°	59.2	58.5	57.2	57.2	57.9	59.8	60.4	62.4	63.0	64.3	65.6
22.5°	52.1	52.1	51.4	51.4	52.7	54.7	55.9	56.6	57.2	57.9	57.9
25°	48.2	48.2	47.6	48.9	50.8	50.8	50.8	50.8	49.5	48.9	48.9
27.5°	45.6	45.6	45.6	46.3	45.6	45.0	45.0	45.0	44.4	44.4	43.7
30°	43.7	43.7	43.7	43.1	43.1	42.4	42.4	41.8	41.8	41.1	41.1
32.5°	40.5	39.2	40.5	39.2	39.2	38.6	39.2	39.2	37.9	37.9	37.9
35°	32.1	31.5	31.5	31.5	30.9	31.5	32.8	32.8	32.8	32.8	32.8
37.5°	30.2	30.2	29.6	28.9	28.9	28.3	28.9	28.3	28.3	28.3	28.9
40°	29.6	28.9	28.3	28.3	27.6	27.0	27.0	27.0	27.0	27.0	27.0
42.5°	28.3	28.3	27.0	26.4	26.4	25.7	25.7	25.7	25.7	25.7	25.7
45°	27.6	27.0	26.4	25.7	25.1	25.1	25.1	25.1	25.1	25.1	24.4
47.5°	27.0	26.4	25.7	25.1	24.4	23.8	23.8	23.8	23.8	23.8	23.8
50°	26.4	25.7	24.4	24.4	23.8	23.1	23.1	23.1	23.1	23.1	23.1
52.5°	25.1	25.1	23.8	23.1	22.5	22.5	22.5	22.5	22.5	22.5	22.5
55°	23.8	23.8	22.5	21.9	21.2	21.2	21.2	21.2	21.9	21.9	21.9
57.5°	23.1	22.5	21.2	21.2	19.9	19.9	19.9	20.6	20.6	21.2	21.2
60°	21.9	21.2	20.6	19.9	19.9	19.3	19.3	19.3	19.3	19.9	19.9
62.5°	21.2	20.6	19.3	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
65°	19.9	19.9	18.6	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
67.5°	18.6	18.6	17.4	16.7	16.7	16.7	17.4	16.7	16.7	16.7	16.7
70°	17.4	16.7	16.1	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
72.5°	15.4	15.4	14.8	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.8
75°	13.5	12.9	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
77.5°	11.6	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.9
80°	8.4	7.7	7.7	7.7	7.7	8.4	8.4	8.4	8.4	8.4	8.4
82.5°	5.1	4.5	4.5	4.5	5.1	5.8	5.8	5.8	5.8	6.4	6.4
85°	1.3	1.3	1.3	1.3	2.6	3.2	3.2	3.2	3.9	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):

	115°	117.5°	120°	122.5°	125°	127.5°	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°	366.5	374.2	374.2	369.1	371.6	369.1	368.4	372.9	375.5	383.8	389.0
5°	283.5	293.2	293.8	291.3	294.5	292.5	294.5	300.3	304.8	310.5	315.7
7.5°	202.5	211.5	213.5	211.5	217.3	216.7	218.0	224.4	228.2	231.5	232.1
10°	142.7	144.0	149.2	147.9	151.7	151.1	153.0	158.2	163.3	165.2	166.5
12.5°	107.4	106.1	108.0	105.4	107.4	107.4	108.0	111.2	117.7	120.2	126.7
15°	86.8	85.5	85.5	84.2	84.2	83.6	84.2	86.8	91.3	95.2	100.3
17.5°	73.9	73.9	73.9	73.3	72.7	72.7	73.3	74.6	77.2	79.7	82.3
20°	66.2	67.5	68.2	68.8	69.4	70.1	70.7	72.7	72.0	69.4	66.2
22.5°	57.9	57.9	58.5	58.5	57.9	57.9	57.9	57.9	57.9	59.8	61.7
25°	48.2	48.2	48.2	48.9	48.2	48.2	48.9	48.9	49.5	50.8	52.7
27.5°	43.7	43.7	43.7	43.7	43.7	43.7	43.7	44.4	45.0	46.9	48.2
30°	40.5	40.5	39.9	39.9	39.9	39.2	39.9	39.9	40.5	43.1	45.0
32.5°	37.3	36.6	36.6	36.6	36.0	36.0	36.0	37.3	37.9	39.2	41.1
35°	32.8	32.8	32.8	33.4	33.4	33.4	33.4	34.7	34.7	35.4	35.4
37.5°	29.6	29.6	30.2	30.9	30.9	31.5	31.5	32.1	32.8	32.1	31.5
40°	27.0	27.6	27.6	28.9	28.9	28.9	29.6	30.2	30.9	29.6	29.6
42.5°	25.7	25.7	25.7	26.4	26.4	26.4	27.0	27.6	28.3	28.3	28.3
45°	24.4	24.4	24.4	25.1	24.4	24.4	24.4	25.1	26.4	26.4	27.0
47.5°	23.8	23.8	23.8	23.1	23.1	23.1	23.1	23.8	24.4	25.7	26.4
50°	23.1	22.5	22.5	22.5	22.5	22.5	22.5	23.1	23.8	24.4	25.7
52.5°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	22.5	23.1	23.8	24.4
55°	21.9	21.9	21.2	21.2	21.9	21.9	21.9	22.5	23.1	23.8	23.8
57.5°	21.2	20.6	20.6	21.2	21.2	21.2	21.2	21.9	22.5	23.1	23.1
60°	19.9	19.9	19.9	19.9	20.6	20.6	21.2	21.9	21.9	22.5	22.5
62.5°	18.6	19.3	19.3	19.3	19.9	19.9	20.6	21.2	21.9	22.5	21.9
65°	18.0	18.6	18.6	18.6	19.3	19.3	19.3	20.6	21.2	21.2	21.9
67.5°	17.4	17.4	17.4	18.0	18.0	18.6	18.6	19.9	19.9	20.6	21.2
70°	16.1	16.1	16.1	16.7	16.7	17.4	18.0	18.6	18.6	19.3	19.9
72.5°	14.8	14.8	14.8	15.4	15.4	16.1	16.7	18.0	17.4	18.0	18.0
75°	12.9	12.9	13.5	13.5	14.1	14.8	15.4	15.4	15.4	15.4	15.4
77.5°	10.9	10.9	11.6	11.6	12.2	12.9	12.9	12.9	13.5	12.9	12.9
80°	9.0	9.0	9.6	9.6	9.6	9.6	10.3	9.6	10.3	9.6	10.3
82.5°	6.4	6.4	7.1	6.4	7.1	6.4	6.4	5.8	7.1	6.4	6.4
85°	2.6	3.2	3.2	3.2	3.2	2.6	2.6	1.9	2.6	2.6	1.9
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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CANDELA DISTRIBUTION (continued):

	175°	180°	185°	195°	205°	215°	225°	230°	235°	240°	245°
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°	390.9	390.3	399.9	407.0	411.5	428.9	436.6	446.2	450.7	457.1	463.6
5°	316.3	315.0	326.6	335.6	343.3	368.4	383.2	396.7	407.6	417.9	432.7
7.5°	226.3	223.7	231.5	239.2	249.5	276.5	302.2	320.2	336.3	353.6	372.9
10°	167.2	169.1	176.8	188.4	201.9	222.5	243.0	255.9	270.0	289.3	312.5
12.5°	133.7	141.4	147.9	162.0	178.1	201.2	223.1	233.4	243.7	253.3	265.5
15°	107.4	111.9	117.0	130.5	149.8	176.8	202.5	214.1	226.3	237.9	248.8
17.5°	82.9	84.9	87.4	97.1	114.4	146.6	174.9	189.7	203.8	219.9	234.7
20°	66.2	66.2	66.9	71.4	83.6	108.7	143.4	162.0	180.0	200.6	221.8
22.5°	57.9	57.2	57.9	59.8	65.6	80.4	111.9	133.7	156.9	182.6	209.0
25°	54.7	54.0	53.4	54.7	57.9	64.9	87.4	110.6	134.4	165.2	197.4
27.5°	49.5	50.2	50.8	52.1	54.7	58.5	72.7	90.0	116.4	150.5	189.0
30°	46.3	46.9	47.6	48.9	53.4	57.9	66.2	77.2	99.7	133.1	176.2
32.5°	42.4	43.1	43.7	44.4	45.6	50.8	56.6	65.6	84.9	117.7	162.7
35°	34.7	34.7	35.4	37.3	39.9	45.0	50.8	57.9	75.9	107.4	154.3
37.5°	32.1	32.1	32.8	34.7	37.3	41.8	46.9	53.4	72.0	103.5	146.6
40°	30.2	30.9	30.9	32.8	35.4	40.5	43.7	51.4	70.1	97.7	138.9
42.5°	28.9	28.9	29.6	31.5	34.7	38.6	43.1	50.2	64.9	92.6	134.4
45°	27.6	28.3	28.3	30.2	34.1	37.3	43.7	47.6	61.7	88.7	130.5
47.5°	27.0	27.0	27.6	29.6	33.4	37.9	42.4	45.0	58.5	85.5	127.3
50°	25.7	26.4	27.0	28.9	32.8	41.8	40.5	43.1	55.9	82.9	125.4
52.5°	25.1	25.7	26.4	28.3	32.8	42.4	39.2	40.5	54.0	80.4	124.1
55°	24.4	24.4	25.1	27.6	32.8	39.2	36.6	39.2	50.2	76.5	120.9
57.5°	23.1	23.8	24.4	26.4	32.1	36.0	34.7	37.3	46.3	70.1	116.4
60°	23.1	23.1	23.8	25.7	32.1	32.1	32.8	35.4	41.8	62.4	108.7
62.5°	22.5	22.5	23.1	25.7	32.8	28.9	30.9	33.4	38.6	55.9	99.0
65°	21.9	21.9	22.5	24.4	28.3	27.6	29.6	31.5	37.3	51.4	90.7
67.5°	20.6	20.6	21.2	23.1	25.1	25.7	28.3	30.2	36.6	50.8	82.9
70°	19.3	19.3	19.3	21.2	22.5	24.4	26.4	28.9	36.6	50.2	77.2
72.5°	18.0	17.4	18.0	19.3	20.6	21.9	23.8	27.0	36.0	50.8	74.6
75°	15.4	15.4	15.4	16.7	18.0	19.3	21.2	25.1	34.1	47.6	66.9
77.5°	12.9	12.9	12.2	14.1	15.4	16.1	18.0	21.9	29.6	40.5	54.0
80°	9.6	9.0	9.0	10.9	11.6	12.9	14.1	16.7	23.1	29.6	39.9
82.5°	5.8	5.1	5.1	7.1	7.7	8.4	10.9	12.2	15.4	19.3	27.0
85°	1.9	1.9	1.9	3.2	3.9	4.5	6.4	7.1	9.6	12.2	14.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.9	3.2	3.9	3.2
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

	250°	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	
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°	471.3	477.7	486.1	493.8	499.6	504.7	511.1	511.1	518.9	521.4	526.6	2.5°
5°	444.3	456.5	474.5	489.3	507.3	524.7	540.7	549.7	565.2	575.4	585.7	5°
7.5°	389.6	406.3	428.9	449.4	475.8	504.1	530.4	554.9	580.6	602.4	618.5	7.5°
10°	332.4	355.6	379.3	405.7	434.0	464.2	496.4	529.2	560.0	590.9	617.2	10°
12.5°	285.5	311.8	338.8	371.6	404.4	436.6	474.5	502.8	534.9	565.8	591.5	12.5°
15°	265.5	288.7	320.2	356.2	390.9	423.7	459.1	488.0	518.2	543.3	561.3	15°
17.5°	257.2	286.8	322.8	360.7	398.0	437.9	469.4	493.8	516.3	527.9	530.4	17.5°
20°	248.2	288.7	336.9	383.2	428.9	470.6	493.8	509.9	513.7	513.1	503.4	20°
22.5°	243.0	295.1	354.9	419.8	477.1	525.9	542.0	538.8	522.7	502.1	486.1	22.5°
25°	241.8	309.9	385.8	471.9	542.0	590.9	599.9	581.9	545.9	506.0	479.0	25°
27.5°	243.0	326.6	424.3	527.9	610.2	660.3	657.1	630.1	578.7	522.7	479.6	27.5°
30°	237.3	344.0	462.9	576.7	658.4	700.2	687.3	646.8	589.6	533.7	488.0	30°
32.5°	227.6	356.8	497.0	616.0	708.5	740.0	716.9	673.2	614.0	556.8	509.9	32.5°
35°	216.7	362.6	521.4	652.6	762.5	779.3	742.0	697.6	643.6	585.7	534.9	35°
37.5°	205.1	363.3	544.6	691.2	814.6	821.7	767.7	720.1	667.4	615.3	569.0	37.5°
40°	198.7	360.7	568.4	738.8	870.6	860.9	794.7	738.8	686.7	646.8	608.9	40°
42.5°	196.1	356.2	585.7	774.8	918.8	897.6	819.8	757.4	710.5	677.0	650.7	42.5°
45°	196.1	351.7	601.8	801.8	954.8	927.1	843.6	775.4	733.6	713.0	700.2	45°
47.5°	196.7	353.6	621.1	845.5	985.6	955.4	862.2	801.8	765.8	758.0	762.5	47.5°
50°	200.0	375.5	653.9	893.7	1024.2	985.6	887.3	831.3	809.5	817.2	842.9	50°
52.5°	205.1	410.2	710.5	950.9	1084.0	1033.9	929.1	873.8	863.5	891.1	940.0	52.5°
55°	210.2	445.6	784.4	1046.7	1180.5	1121.3	1003.0	947.7	935.5	977.9	1048.0	55°
57.5°	214.7	471.9	856.4	1141.9	1264.0	1219.0	1100.7	1033.9	1028.7	1074.4	1150.9	57.5°
60°	219.2	492.5	898.2	1184.3	1302.0	1297.5	1201.7	1140.0	1132.2	1174.7	1247.3	60°
62.5°	216.7	484.8	909.8	1163.1	1298.8	1336.1	1284.0	1240.3	1213.9	1249.3	1320.0	62.5°
65°	207.0	444.3	873.1	1089.8	1251.8	1312.9	1317.4	1307.1	1259.5	1262.1	1312.3	65°
67.5°	180.7	373.6	760.6	974.1	1159.9	1232.5	1308.4	1305.2	1244.8	1191.4	1201.7	67.5°
70°	149.8	293.2	620.5	829.4	1029.4	1091.7	1212.6	1237.0	1150.9	1051.2	1004.3	70°
72.5°	126.0	219.2	477.1	642.3	824.9	897.6	1076.9	1111.0	993.4	853.2	780.5	72.5°
75°	104.8	155.0	335.6	442.4	569.0	664.8	940.0	943.2	806.3	671.2	592.8	75°
77.5°	77.8	105.4	243.0	309.3	390.9	473.2	760.0	768.3	639.7	509.2	441.7	77.5°
80°	52.1	64.9	155.0	216.0	263.0	317.0	557.4	522.1	422.4	353.0	335.6	80°
82.5°	31.5	37.9	89.4	151.1	165.9	197.4	350.4	327.3	278.4	254.6	261.0	82.5°
85°	17.4	23.8	54.7	99.0	77.2	108.0	191.6	187.1	175.5	153.7	133.7	85°
87.5°	4.5	5.1	12.2	4.5	1.9	5.8	37.3	24.4	24.4	14.1	5.1	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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REPORT NUMBER: P
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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

305°	310°	315°	325°	335°	340°	342.5°	345°	347.5°	350°	352.5°	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
522.1	524.0	523.4	518.9	507.3	502.8	500.9	495.7	489.9	489.9	484.8	2.5°	483.5
585.1	588.3	584.4	573.5	543.9	529.8	521.4	511.1	502.8	495.1	487.4	5°	476.4
629.5	632.0	625.6	600.5	547.8	524.0	511.1	498.9	488.6	475.1	462.9	7.5°	452.0
637.8	643.6	636.5	600.5	539.4	509.9	495.7	482.2	467.4	453.3	435.9	10°	422.4
614.0	626.2	621.1	594.7	535.6	504.1	487.4	471.3	453.3	438.5	418.6	12.5°	405.7
577.4	578.7	581.9	581.2	528.5	497.6	480.9	464.2	448.1	434.0	416.6	15°	400.6
536.9	535.6	539.4	551.7	526.6	502.1	491.2	475.1	463.6	447.5	434.0	17.5°	416.0
500.2	498.3	502.1	514.4	518.9	513.1	508.6	498.9	489.9	479.6	468.7	20°	451.4
477.1	470.6	470.0	488.0	522.7	538.2	541.4	540.1	539.4	531.7	524.0	22.5°	504.1
464.2	457.1	460.4	480.9	538.8	567.7	582.5	587.7	594.7	594.7	594.7	25°	575.4
460.4	452.6	457.1	480.3	555.5	603.7	625.0	637.8	651.3	657.1	661.0	27.5°	648.7
462.9	455.2	457.1	484.8	563.9	612.1	637.2	655.8	677.0	691.2	700.8	30°	691.2
477.7	464.2	462.9	498.3	579.3	630.7	657.1	678.3	702.1	718.2	735.5	32.5°	734.3
497.6	478.4	475.8	520.1	599.2	654.5	680.9	699.5	724.0	745.8	770.9	35°	779.9
531.1	507.3	503.4	556.8	626.2	674.5	700.8	725.3	751.6	779.9	812.1	37.5°	833.3
576.1	552.3	552.3	603.7	662.9	702.1	731.0	756.8	785.7	823.6	862.8	40°	896.9
626.9	611.4	614.0	660.3	704.7	736.8	764.5	792.1	822.3	860.3	905.9	42.5°	949.6
694.4	686.0	698.9	731.7	747.1	769.0	793.4	817.8	850.6	889.8	941.9	45°	988.2
773.5	780.5	798.5	808.8	790.2	801.8	821.1	843.6	882.1	922.0	973.4	47.5°	1023.6
872.5	891.1	908.5	905.9	843.6	839.7	857.7	875.1	913.6	959.3	1013.9	50°	1067.9
986.3	1010.7	1022.9	1008.8	903.4	880.8	895.6	919.4	961.9	1013.9	1075.0	52.5°	1127.7
1102.0	1131.6	1127.7	1111.7	968.3	938.1	947.1	975.4	1027.4	1086.6	1163.7	55°	1215.8
1206.8	1230.0	1240.3	1205.5	1047.4	1007.5	1017.8	1047.4	1102.7	1168.9	1248.0	57.5°	1299.4
1289.8	1314.8	1314.8	1280.8	1133.5	1087.2	1104.6	1133.5	1181.1	1246.7	1320.6	60°	1365.0
1350.2	1370.1	1363.1	1330.3	1207.5	1172.1	1185.6	1225.5	1268.5	1317.4	1375.9	62.5°	1398.4
1345.7	1347.6	1339.9	1327.7	1251.8	1248.0	1273.7	1304.6	1340.6	1359.2	1392.0	65°	1400.4
1219.0	1219.7	1235.1	1230.0	1218.4	1266.0	1299.4	1325.1	1356.6	1356.6	1352.8	67.5°	1356.6
999.2	1009.4	1035.8	1028.1	1087.2	1185.0	1223.5	1262.8	1290.4	1290.4	1257.6	70°	1239.0
760.6	767.0	798.5	791.5	871.8	979.2	1064.1	1129.7	1156.7	1173.4	1131.6	72.5°	1040.9
553.6	552.9	566.4	556.2	657.7	777.3	864.8	946.4	990.8	1004.9	929.1	75°	763.2
426.3	414.7	412.1	413.4	466.1	565.2	634.6	686.7	692.5	694.4	592.2	77.5°	462.3
344.0	344.0	340.1	326.0	285.5	330.5	365.8	407.0	421.8	443.0	354.9	80°	260.4
274.5	263.6	244.3	216.7	183.2	195.5	212.2	227.6	252.7	261.7	216.0	82.5°	147.9
136.9	133.1	116.4	96.4	80.4	106.7	118.9	120.2	120.2	111.2	90.7	85°	60.4
0.6	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
475.8	477.1
465.5	461.6
433.4	427.6
398.6	394.1
378.7	372.9
374.8	368.4
388.3	380.6
418.6	409.6
466.8	455.9
533.0	522.1
597.9	583.8
644.2	630.1
689.2	672.5
734.3	717.5
794.7	779.9
861.6	840.3
916.9	896.9
960.6	940.0
1002.4	981.8
1049.9	1035.8
1121.3	1109.1
1230.0	1212.6
1309.7	1302.0
1350.8	1341.2
1363.7	1347.6
1347.0	1322.6
1294.3	1266.0
1167.0	1129.7
930.4	905.3
627.5	612.7
360.7	341.4
207.0	200.6
116.4	122.8
30.2	33.4
0.0	0.0
0.0	0.0

(END OF REPORT)