

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: P228620

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228620
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
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2035.7 lumens
Efficiency: N/A
Efficacy: 101.3 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

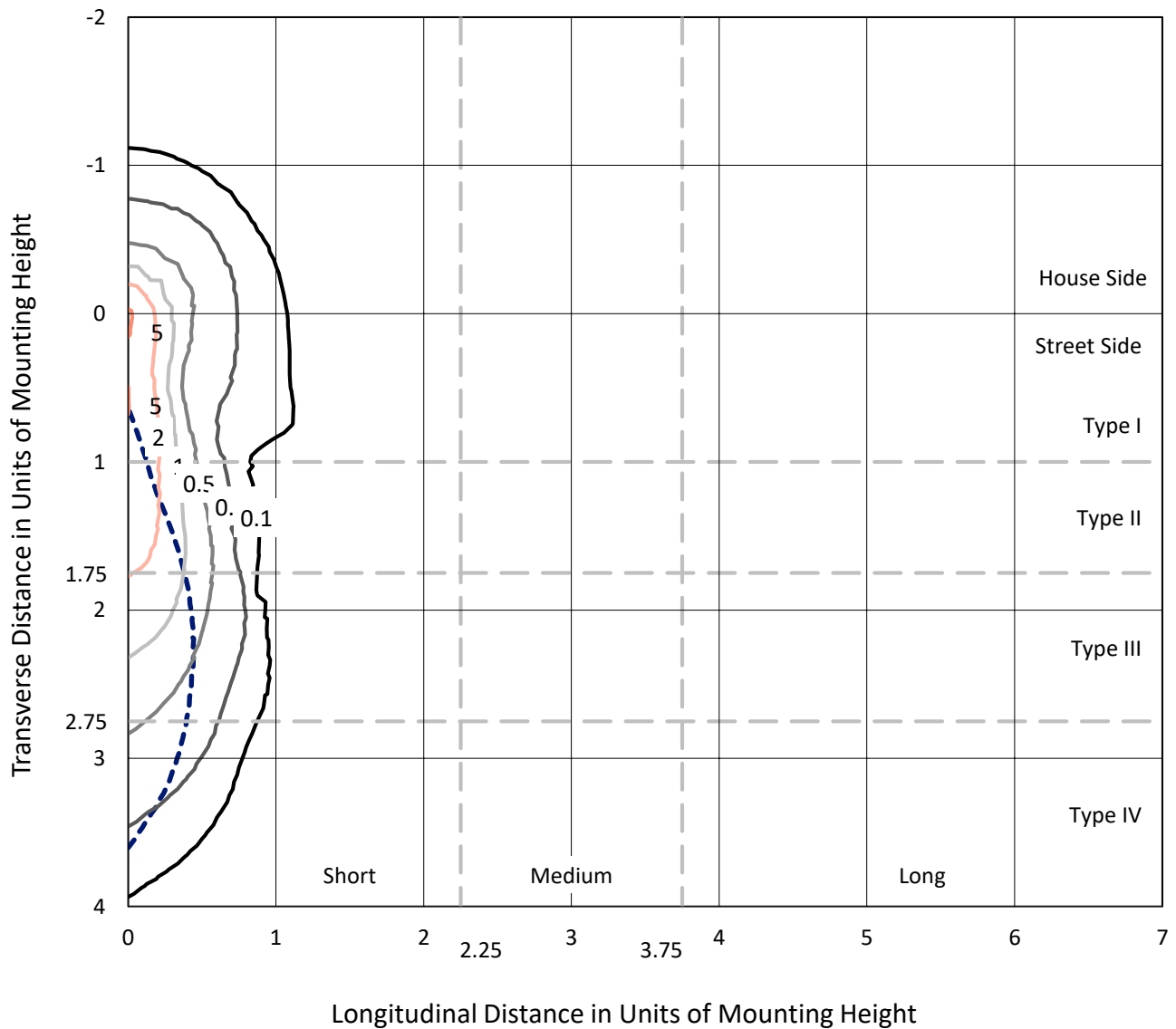


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Iso-Footcandle Lines of Horizontal Illumination

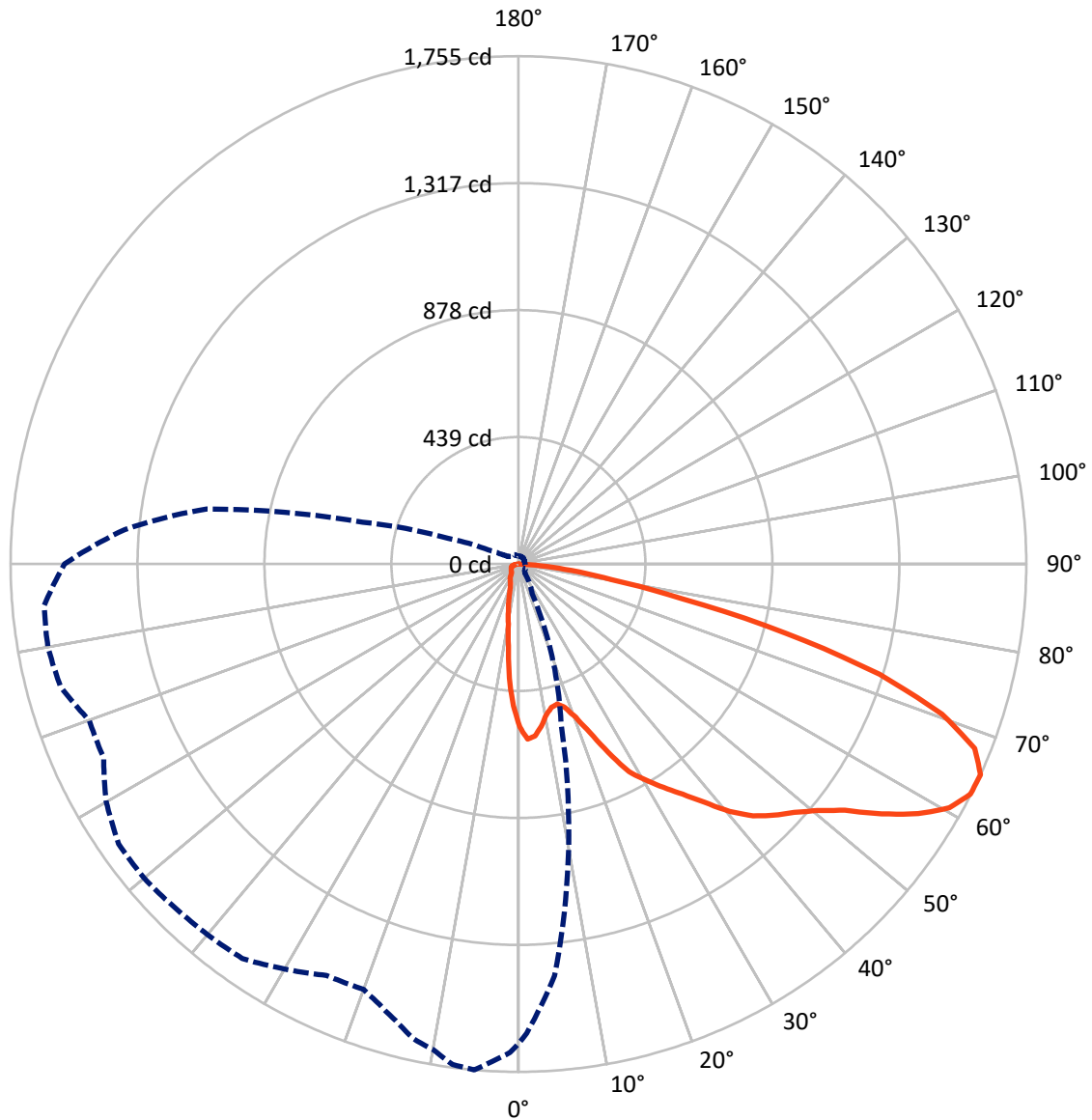
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 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	338.5	0.0	338.5
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	1697.2	0.0	1697.2
	% Fixture	83.4	0.0	83.4
Total	Lumens	2035.7	0.0	2035.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	2.1
10°-20°	89.1	4.4
20°-30°	129.6	6.4
30°-40°	191.6	9.4
40°-50°	279.2	13.7
50°-60°	418.6	20.6
60°-70°	521.6	25.6
70°-80°	305.5	15.0
80°-90°	57.1	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°	2035.7	100.0
0°-180°	2035.7	100.0



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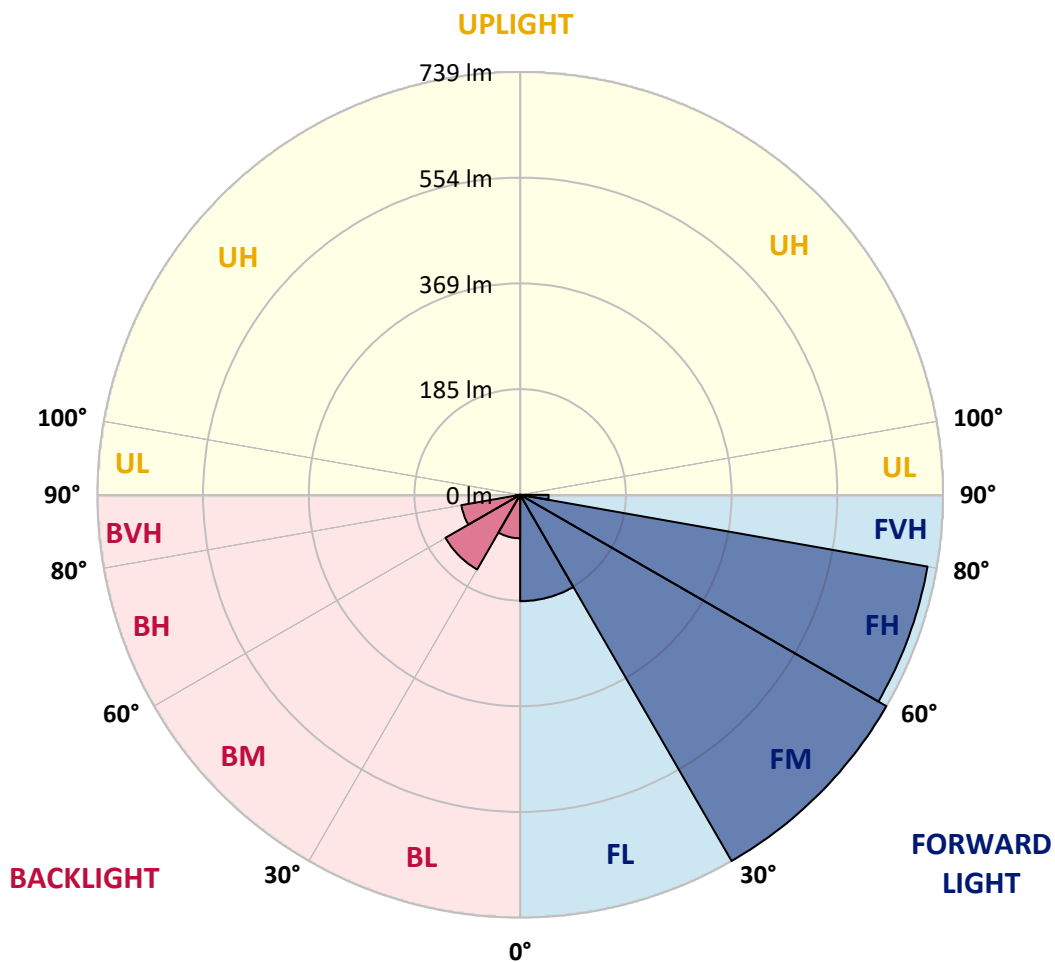
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.0	9.1			
FM	(30°-60°)	738.8	36.3			
FH	(60°-80°)	722.7	35.5			G1/1800
FVH	(80°-90°)	49.8	2.4			G1/100
BL	(0°-30°)	76.0	3.7	B0/110		
BM	(30°-60°)	150.7	7.4	B0/220		
BH	(60°-80°)	104.5	5.1	B0/110		G0/110
BVH	(80°-90°)	7.4	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°	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3
2.5°	598.0	593.2	583.5	564.2	544.0	524.7	521.4	514.2	515.0	511.0	509.3
5°	578.7	572.2	552.1	511.8	477.1	441.6	439.3	424.7	426.4	417.5	412.7
7.5°	535.9	527.1	504.5	448.9	400.6	353.8	348.9	332.0	329.6	320.8	313.5
10°	494.1	485.2	457.0	393.3	337.7	303.0	297.4	289.3	282.8	278.9	271.6
12.5°	467.5	462.6	428.7	355.4	311.9	283.7	276.4	268.4	262.0	254.7	247.5
15°	461.8	452.1	417.5	343.3	292.6	257.9	249.0	240.2	232.9	225.7	215.2
17.5°	477.1	467.5	428.7	337.7	270.8	228.9	217.6	205.5	198.2	189.3	178.1
20°	513.4	498.1	450.5	329.6	247.5	195.1	181.4	166.8	158.8	143.4	135.4
22.5°	571.4	552.1	487.6	329.6	225.7	159.6	144.2	131.3	122.5	108.8	99.9
25°	654.4	637.5	548.0	338.5	206.3	129.7	114.5	101.6	92.7	83.0	77.3
27.5°	731.8	705.2	612.5	351.4	191.0	108.8	93.5	83.0	76.5	71.7	68.5
30°	789.8	768.0	668.9	360.3	168.5	91.0	81.4	75.0	71.7	69.4	67.7
32.5°	843.0	818.1	709.2	365.9	154.8	77.3	68.5	63.6	60.5	57.2	56.4
35°	899.4	875.2	756.8	365.1	145.9	70.9	62.1	56.4	53.2	52.4	50.7
37.5°	977.6	944.6	811.6	365.1	142.7	68.5	58.0	52.4	49.9	48.4	47.6
40°	1053.3	1016.3	872.1	367.5	139.4	66.9	58.0	52.4	48.4	46.7	45.1
42.5°	1124.3	1083.2	926.8	371.5	137.8	62.1	54.8	51.6	49.9	46.7	44.3
45°	1178.2	1146.0	969.6	379.6	137.8	58.8	51.6	49.2	48.4	48.4	47.6
47.5°	1230.7	1194.4	1018.8	394.9	140.2	56.4	49.2	45.9	45.9	45.9	46.7
50°	1298.3	1255.7	1086.4	426.4	140.2	55.6	46.7	43.5	42.8	44.3	44.3
52.5°	1390.3	1359.6	1185.5	471.5	138.6	54.8	45.9	41.1	40.3	41.1	42.8
55°	1520.0	1485.3	1305.6	527.1	137.0	53.2	44.3	40.3	38.7	37.8	38.7
57.5°	1632.0	1602.2	1416.1	571.4	133.0	49.2	42.8	39.5	37.0	36.3	35.5
60°	1681.2	1656.2	1487.0	601.2	125.7	45.1	40.3	37.8	35.5	34.7	33.9
62.5°	1689.2	1657.8	1487.8	607.6	117.6	41.1	37.8	35.5	33.9	33.0	32.2
65°	1657.8	1622.4	1429.0	568.1	111.2	41.1	36.3	33.9	31.4	30.6	29.9
67.5°	1586.9	1532.1	1279.8	481.9	105.6	41.9	35.5	31.4	29.9	29.1	28.2
70°	1416.1	1354.8	1080.7	382.8	103.1	42.8	35.5	29.9	27.4	26.6	26.6
72.5°	1134.8	1064.7	843.0	288.6	99.1	43.5	34.7	28.2	25.8	24.1	24.1
75°	768.0	706.9	571.4	195.1	82.2	37.8	31.4	25.8	22.6	21.0	20.2
77.5°	428.0	407.9	363.5	103.1	52.4	28.2	24.1	21.0	18.5	17.7	16.9
80°	251.4	241.0	214.4	57.2	32.2	16.2	14.5	13.7	12.1	12.1	12.1
82.5°	154.0	143.4	133.0	25.8	15.3	8.1	8.1	6.4	6.4	5.6	5.6
85°	41.9	38.7	54.0	5.6	1.6	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°	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3
2.5°	502.9	501.2	501.2	489.2	489.2	482.7	481.2	481.2	483.5	481.9	472.3
5°	404.6	399.8	396.5	382.0	378.0	370.7	367.5	366.7	369.1	365.1	352.2
7.5°	304.6	300.6	295.7	284.5	279.7	278.9	269.1	266.8	265.1	262.0	253.9
10°	266.0	260.3	256.2	248.3	242.5	238.6	230.5	226.5	223.2	218.4	215.9
12.5°	239.4	233.7	228.1	217.6	210.3	205.5	200.7	192.6	189.3	183.7	180.6
15°	206.3	199.9	193.4	182.2	172.5	167.7	157.9	153.1	149.9	143.4	140.2
17.5°	166.0	157.1	149.9	139.4	134.6	126.5	120.9	112.8	106.4	103.9	101.6
20°	124.9	116.8	110.4	101.6	96.7	90.2	87.1	81.4	78.2	76.5	75.0
22.5°	91.9	85.4	81.4	76.5	74.2	71.7	70.1	68.5	66.9	66.1	66.1
25°	72.5	70.1	68.5	66.9	66.1	65.3	63.6	62.9	62.1	61.3	61.3
27.5°	66.1	64.4	63.6	62.9	62.1	60.5	60.5	58.8	58.0	58.0	57.2
30°	66.9	66.9	66.9	65.3	64.4	62.9	62.1	59.6	58.0	56.4	55.6
32.5°	54.8	54.8	54.0	52.4	51.6	50.7	50.7	49.2	48.4	48.4	49.9
35°	49.9	49.2	48.4	46.7	45.9	44.3	43.5	42.8	41.9	41.1	41.1
37.5°	47.6	46.7	45.9	44.3	43.5	42.8	41.9	40.3	39.5	39.5	38.7
40°	45.1	45.1	45.1	43.5	42.8	41.1	40.3	39.5	38.7	37.8	37.8
42.5°	43.5	43.5	43.5	42.8	41.9	41.1	39.5	38.7	37.8	37.0	36.3
45°	44.3	43.5	43.5	42.8	41.9	40.3	39.5	37.8	37.0	36.3	35.5
47.5°	47.6	46.7	45.1	43.5	41.9	40.3	38.7	37.0	36.3	35.5	34.7
50°	45.1	48.4	49.2	46.7	42.8	40.3	38.7	37.0	35.5	34.7	33.9
52.5°	44.3	45.1	48.4	48.4	44.3	41.1	38.7	37.0	35.5	33.9	33.0
55°	40.3	42.8	43.5	44.3	43.5	40.3	37.8	35.5	34.7	33.0	31.4
57.5°	35.5	37.0	37.8	39.5	40.3	39.5	36.3	33.9	33.0	31.4	29.9
60°	33.0	33.0	33.0	33.9	37.8	41.1	37.8	33.0	30.6	29.9	28.2
62.5°	30.6	30.6	29.9	30.6	31.4	35.5	34.7	31.4	29.9	29.1	27.4
65°	29.9	29.1	28.2	28.2	28.2	28.2	28.2	28.2	27.4	27.4	26.6
67.5°	27.4	26.6	26.6	25.8	25.8	25.8	25.8	25.8	25.0	25.0	24.1
70°	25.8	25.0	24.1	24.1	24.1	23.3	23.3	23.3	22.6	22.6	22.6
72.5°	23.3	22.6	22.6	22.6	21.8	21.8	21.8	21.0	21.0	20.2	20.2
75°	20.2	20.2	19.3	19.3	19.3	18.5	18.5	18.5	18.5	17.7	17.7
77.5°	16.9	16.2	16.9	16.2	16.2	16.2	16.2	16.2	15.3	15.3	14.5
80°	11.3	11.3	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	11.3
82.5°	6.4	5.6	6.4	6.4	6.4	7.3	7.3	8.1	7.3	7.3	6.4
85°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	1.6	1.6	1.6
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):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3
2.5°	477.1	476.3	468.2	469.8	467.5	462.6	463.4	464.2	465.9	462.6	461.0
5°	358.6	359.5	348.9	352.2	349.7	348.9	351.4	355.4	357.8	357.0	354.7
7.5°	254.7	255.5	246.6	245.8	243.4	242.5	245.8	249.8	252.3	251.4	252.3
10°	210.3	208.0	199.9	194.3	188.6	183.7	182.9	182.9	182.9	181.4	179.7
12.5°	174.1	171.7	162.0	157.1	152.3	145.9	145.1	144.2	141.9	139.4	136.2
15°	135.4	133.0	124.9	121.7	117.6	115.3	114.5	114.5	112.8	111.2	109.6
17.5°	98.3	96.7	91.9	88.7	87.9	88.7	89.5	91.0	91.9	92.7	92.7
20°	74.2	73.3	71.7	71.7	72.5	75.0	75.8	78.2	79.0	80.6	82.2
22.5°	65.3	65.3	64.4	64.4	66.1	68.5	70.1	70.9	71.7	72.5	72.5
25°	60.5	60.5	59.6	61.3	63.6	63.6	63.6	63.6	62.1	61.3	61.3
27.5°	57.2	57.2	57.2	58.0	57.2	56.4	56.4	56.4	55.6	55.6	54.8
30°	54.8	54.8	54.8	54.0	54.0	53.2	53.2	52.4	52.4	51.6	51.6
32.5°	50.7	49.2	50.7	49.2	49.2	48.4	49.2	49.2	47.6	47.6	47.6
35°	40.3	39.5	39.5	39.5	38.7	39.5	41.1	41.1	41.1	41.1	41.1
37.5°	37.8	37.8	37.0	36.3	36.3	35.5	36.3	35.5	35.5	35.5	36.3
40°	37.0	36.3	35.5	35.5	34.7	33.9	33.9	33.9	33.9	33.9	33.9
42.5°	35.5	35.5	33.9	33.0	33.0	32.2	32.2	32.2	32.2	32.2	32.2
45°	34.7	33.9	33.0	32.2	31.4	31.4	31.4	31.4	31.4	31.4	30.6
47.5°	33.9	33.0	32.2	31.4	30.6	29.9	29.9	29.9	29.9	29.9	29.9
50°	33.0	32.2	30.6	30.6	29.9	29.1	29.1	29.1	29.1	29.1	29.1
52.5°	31.4	31.4	29.9	29.1	28.2	28.2	28.2	28.2	28.2	28.2	28.2
55°	29.9	29.9	28.2	27.4	26.6	26.6	26.6	26.6	27.4	27.4	27.4
57.5°	29.1	28.2	26.6	26.6	25.0	25.0	25.0	25.8	25.8	26.6	26.6
60°	27.4	26.6	25.8	25.0	25.0	24.1	24.1	24.1	24.1	25.0	25.0
62.5°	26.6	25.8	24.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
65°	25.0	25.0	23.3	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
67.5°	23.3	23.3	21.8	21.0	21.0	21.0	21.8	21.0	21.0	21.0	21.0
70°	21.8	21.0	20.2	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
72.5°	19.3	19.3	18.5	17.7	17.7	17.7	17.7	17.7	17.7	17.7	18.5
75°	16.9	16.2	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
77.5°	14.5	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.7
80°	10.4	9.7	9.7	9.7	9.7	10.4	10.4	10.4	10.4	10.4	10.4
82.5°	6.4	5.6	5.6	5.6	6.4	7.3	7.3	7.3	7.3	8.1	8.1
85°	1.6	1.6	1.6	1.6	3.3	4.0	4.0	4.0	4.8	4.0	4.0
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):

	115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°
0°	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3
2.5°	459.4	469.0	469.0	462.6	465.9	462.6	461.8	467.5	470.7	481.2	487.6
5°	355.4	367.5	368.4	365.1	369.1	366.7	369.1	376.3	382.0	389.2	395.7
7.5°	253.9	265.1	267.6	265.1	272.4	271.6	273.2	281.3	286.1	290.1	290.9
10°	178.9	180.6	187.0	185.4	190.2	189.3	191.8	198.2	204.7	207.1	208.8
12.5°	134.6	133.0	135.4	132.2	134.6	134.6	135.4	139.4	147.5	150.7	158.8
15°	108.8	107.2	107.2	105.6	105.6	104.8	105.6	108.8	114.5	119.3	125.7
17.5°	92.7	92.7	92.7	91.9	91.0	91.0	91.9	93.5	96.7	99.9	103.1
20°	83.0	84.6	85.4	86.2	87.1	87.9	88.7	91.0	90.2	87.1	83.0
22.5°	72.5	72.5	73.3	73.3	72.5	72.5	72.5	72.5	72.5	75.0	77.3
25°	60.5	60.5	60.5	61.3	60.5	60.5	61.3	61.3	62.1	63.6	66.1
27.5°	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.6	56.4	58.8	60.5
30°	50.7	50.7	49.9	49.9	49.9	49.2	49.9	49.9	50.7	54.0	56.4
32.5°	46.7	45.9	45.9	45.9	45.1	45.1	45.1	46.7	47.6	49.2	51.6
35°	41.1	41.1	41.1	41.9	41.9	41.9	41.9	43.5	43.5	44.3	44.3
37.5°	37.0	37.0	37.8	38.7	38.7	39.5	39.5	40.3	41.1	40.3	39.5
40°	33.9	34.7	34.7	36.3	36.3	36.3	37.0	37.8	38.7	37.0	37.0
42.5°	32.2	32.2	32.2	33.0	33.0	33.0	33.9	34.7	35.5	35.5	35.5
45°	30.6	30.6	30.6	31.4	30.6	30.6	30.6	31.4	33.0	33.0	33.9
47.5°	29.9	29.9	29.9	29.1	29.1	29.1	29.1	29.9	30.6	32.2	33.0
50°	29.1	28.2	28.2	28.2	28.2	28.2	28.2	29.1	29.9	30.6	32.2
52.5°	27.4	27.4	27.4	27.4	27.4	27.4	27.4	28.2	29.1	29.9	30.6
55°	27.4	27.4	26.6	26.6	27.4	27.4	27.4	28.2	29.1	29.9	29.9
57.5°	26.6	25.8	25.8	26.6	26.6	26.6	26.6	27.4	28.2	29.1	29.1
60°	25.0	25.0	25.0	25.0	25.8	25.8	26.6	27.4	27.4	28.2	28.2
62.5°	23.3	24.1	24.1	24.1	25.0	25.0	25.8	26.6	27.4	28.2	27.4
65°	22.6	23.3	23.3	23.3	24.1	24.1	24.1	25.8	26.6	26.6	27.4
67.5°	21.8	21.8	21.8	22.6	22.6	23.3	23.3	25.0	25.0	25.8	26.6
70°	20.2	20.2	20.2	21.0	21.0	21.8	22.6	23.3	23.3	24.1	25.0
72.5°	18.5	18.5	18.5	19.3	19.3	20.2	21.0	22.6	21.8	22.6	22.6
75°	16.2	16.2	16.9	16.9	17.7	18.5	19.3	19.3	19.3	19.3	19.3
77.5°	13.7	13.7	14.5	14.5	15.3	16.2	16.2	16.2	16.9	16.2	16.2
80°	11.3	11.3	12.1	12.1	12.1	12.1	12.9	12.1	12.9	12.1	12.9
82.5°	8.1	8.1	8.9	8.1	8.9	8.1	8.1	7.3	8.9	8.1	8.1
85°	3.3	4.0	4.0	4.0	4.0	3.3	3.3	2.5	3.3	3.3	2.5
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°	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3
2.5°	490.0	489.2	501.2	510.1	515.8	537.6	547.3	559.3	565.0	573.1	581.0
5°	396.5	394.9	409.4	420.7	430.4	461.8	480.4	497.3	511.0	523.9	542.4
7.5°	283.7	280.5	290.1	299.8	312.7	346.6	378.8	401.4	421.5	443.2	467.5
10°	209.5	212.0	221.7	236.1	253.1	278.9	304.6	320.8	338.5	362.6	391.7
12.5°	167.7	177.3	185.4	203.1	223.2	252.3	279.7	292.6	305.5	317.5	332.9
15°	134.6	140.2	146.7	163.6	187.8	221.7	253.9	268.4	283.7	298.2	311.9
17.5°	103.9	106.4	109.6	121.7	143.4	183.7	219.2	237.7	255.5	275.6	294.2
20°	83.0	83.0	83.8	89.5	104.8	136.2	179.7	203.1	225.7	251.4	278.0
22.5°	72.5	71.7	72.5	75.0	82.2	100.8	140.2	167.7	196.6	228.9	262.0
25°	68.5	67.7	66.9	68.5	72.5	81.4	109.6	138.6	168.5	207.1	247.5
27.5°	62.1	62.9	63.6	65.3	68.5	73.3	91.0	112.8	145.9	188.6	236.9
30°	58.0	58.8	59.6	61.3	66.9	72.5	83.0	96.7	124.9	166.8	220.9
32.5°	53.2	54.0	54.8	55.6	57.2	63.6	70.9	82.2	106.4	147.5	203.9
35°	43.5	43.5	44.3	46.7	49.9	56.4	63.6	72.5	95.1	134.6	193.4
37.5°	40.3	40.3	41.1	43.5	46.7	52.4	58.8	66.9	90.2	129.7	183.7
40°	37.8	38.7	38.7	41.1	44.3	50.7	54.8	64.4	87.9	122.5	174.1
42.5°	36.3	36.3	37.0	39.5	43.5	48.4	54.0	62.9	81.4	116.1	168.5
45°	34.7	35.5	35.5	37.8	42.8	46.7	54.8	59.6	77.3	111.2	163.6
47.5°	33.9	33.9	34.7	37.0	41.9	47.6	53.2	56.4	73.3	107.2	159.6
50°	32.2	33.0	33.9	36.3	41.1	52.4	50.7	54.0	70.1	103.9	157.1
52.5°	31.4	32.2	33.0	35.5	41.1	53.2	49.2	50.7	67.7	100.8	155.6
55°	30.6	30.6	31.4	34.7	41.1	49.2	45.9	49.2	62.9	96.0	151.5
57.5°	29.1	29.9	30.6	33.0	40.3	45.1	43.5	46.7	58.0	87.9	145.9
60°	29.1	29.1	29.9	32.2	40.3	40.3	41.1	44.3	52.4	78.2	136.2
62.5°	28.2	28.2	29.1	32.2	41.1	36.3	38.7	41.9	48.4	70.1	124.1
65°	27.4	27.4	28.2	30.6	35.5	34.7	37.0	39.5	46.7	64.4	113.6
67.5°	25.8	25.8	26.6	29.1	31.4	32.2	35.5	37.8	45.9	63.6	103.9
70°	24.1	24.1	24.1	26.6	28.2	30.6	33.0	36.3	45.9	62.9	96.7
72.5°	22.6	21.8	22.6	24.1	25.8	27.4	29.9	33.9	45.1	63.6	93.5
75°	19.3	19.3	19.3	21.0	22.6	24.1	26.6	31.4	42.8	59.6	83.8
77.5°	16.2	16.2	15.3	17.7	19.3	20.2	22.6	27.4	37.0	50.7	67.7
80°	12.1	11.3	11.3	13.7	14.5	16.2	17.7	21.0	29.1	37.0	49.9
82.5°	7.3	6.4	6.4	8.9	9.7	10.4	13.7	15.3	19.3	24.1	33.9
85°	2.5	2.5	2.5	4.0	4.8	5.6	8.1	8.9	12.1	15.3	17.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.5	4.0	4.8	4.0
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

	250°	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	
0°	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	0°
2.5°	590.8	598.8	609.3	619.0	626.3	632.7	640.7	640.7	650.4	653.7	660.1	2.5°
5°	556.9	572.2	594.7	613.4	635.9	657.7	677.8	689.1	708.4	721.3	734.2	5°
7.5°	488.4	509.3	537.6	563.3	596.4	631.9	664.9	695.5	727.7	755.1	775.3	7.5°
10°	416.6	445.7	475.5	508.5	544.0	581.9	622.2	663.3	701.9	740.6	773.7	10°
12.5°	357.8	390.9	424.7	465.9	507.0	547.3	594.7	630.2	670.5	709.2	741.4	12.5°
15°	332.9	361.8	401.4	446.5	490.0	531.1	575.4	611.7	649.6	681.0	703.6	15°
17.5°	322.3	359.5	404.6	452.1	498.9	548.8	588.3	619.0	647.1	661.6	664.9	17.5°
20°	311.1	361.8	422.3	480.4	537.6	589.9	619.0	639.1	643.9	643.1	631.1	20°
22.5°	304.6	369.9	444.9	526.3	598.0	659.3	679.4	675.4	655.2	629.4	609.3	22.5°
25°	303.0	388.4	483.5	591.6	679.4	740.6	752.0	729.4	684.3	634.2	600.5	25°
27.5°	304.6	409.4	531.9	661.6	764.9	827.7	823.7	789.8	725.4	655.2	601.2	27.5°
30°	297.4	431.2	580.3	722.9	825.3	877.7	861.5	810.8	739.1	668.9	611.7	30°
32.5°	285.3	447.3	623.0	772.1	888.1	927.6	898.7	843.8	769.7	698.0	639.1	32.5°
35°	271.6	454.6	653.7	818.1	955.8	976.8	930.1	874.4	806.7	734.2	670.5	35°
37.5°	257.1	455.3	682.6	866.3	1021.1	1030.0	962.3	902.7	836.6	771.3	713.3	37.5°
40°	249.0	452.1	712.5	926.0	1091.3	1079.1	996.1	926.0	860.7	810.8	763.2	40°
42.5°	245.8	446.5	734.2	971.2	1151.6	1125.0	1027.6	949.4	890.6	848.6	815.6	42.5°
45°	245.8	440.9	754.3	1005.0	1196.9	1162.2	1057.4	972.0	919.5	893.8	877.7	45°
47.5°	246.6	443.2	778.6	1059.8	1235.5	1197.7	1080.7	1005.0	959.8	950.2	955.8	47.5°
50°	250.6	470.7	819.6	1120.2	1283.9	1235.5	1112.2	1042.1	1014.7	1024.4	1056.6	50°
52.5°	257.1	514.2	890.6	1191.9	1358.8	1296.0	1164.6	1095.3	1082.4	1117.1	1178.2	52.5°
55°	263.5	558.5	983.3	1312.0	1479.7	1405.5	1257.3	1188.0	1172.6	1225.8	1313.7	55°
57.5°	269.1	591.6	1073.5	1431.3	1584.4	1528.1	1379.8	1296.0	1289.5	1346.7	1442.7	57.5°
60°	274.9	617.4	1125.9	1484.5	1632.0	1626.4	1506.3	1429.0	1419.2	1472.4	1563.5	60°
62.5°	271.6	607.6	1140.4	1457.9	1628.0	1674.8	1609.4	1554.7	1521.6	1565.9	1654.6	62.5°
65°	259.5	556.9	1094.5	1366.0	1569.2	1645.7	1651.3	1638.5	1578.8	1582.1	1644.9	65°
67.5°	226.5	468.2	953.4	1221.0	1453.9	1545.0	1640.1	1636.0	1560.3	1493.4	1506.3	67.5°
70°	187.8	367.5	777.7	1039.6	1290.4	1368.5	1520.0	1550.6	1442.7	1317.7	1258.8	70°
72.5°	157.9	274.9	598.0	805.2	1034.0	1125.0	1350.0	1392.6	1245.1	1069.5	978.5	72.5°
75°	131.3	194.3	420.7	554.4	713.3	833.3	1178.2	1182.3	1010.7	841.4	743.1	75°
77.5°	97.5	132.2	304.6	387.7	490.0	593.2	952.6	963.1	801.9	638.3	553.7	77.5°
80°	65.3	81.4	194.3	270.8	329.6	397.3	698.8	654.4	529.5	442.4	420.7	80°
82.5°	39.5	47.6	112.0	189.3	208.0	247.5	439.3	410.2	348.9	319.2	327.2	82.5°
85°	21.8	29.9	68.5	124.1	96.7	135.4	240.2	234.6	220.0	192.6	167.7	85°
87.5°	5.6	6.4	15.3	5.6	2.5	7.3	46.7	30.6	30.6	17.7	6.4	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
 CATALOG NUMBER:

DISTRIBUTION (continued):											CANDELA DISTRIBUTION	
305°	310°	315°	325°	335°	340°	342.5°	345°	347.5°	350°	352.5°		355°
563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	0°	563.3
654.4	656.8	656.0	650.4	635.9	630.2	627.8	621.3	614.1	614.1	607.6	2.5°	606.1
733.4	737.4	732.6	718.9	681.8	664.1	653.7	640.7	630.2	620.5	610.9	5°	597.2
789.0	792.3	784.2	752.8	686.7	656.8	640.7	625.4	612.5	595.6	580.3	7.5°	566.6
799.5	806.7	797.9	752.8	676.2	639.1	621.3	604.5	585.9	568.1	546.5	10°	529.5
769.7	785.0	778.6	745.5	671.4	631.9	610.9	590.8	568.1	549.6	524.7	12.5°	508.5
723.7	725.4	729.4	728.5	662.5	623.8	602.8	581.9	561.7	544.0	522.2	15°	502.1
673.0	671.4	676.2	691.5	660.1	629.4	615.7	595.6	581.0	560.9	544.0	17.5°	521.4
627.1	624.6	629.4	644.8	650.4	643.1	637.5	625.4	614.1	601.2	587.5	20°	565.8
598.0	589.9	589.1	611.7	655.2	674.5	678.6	677.0	676.2	666.6	656.8	22.5°	631.9
581.9	573.1	577.0	602.8	675.4	711.7	730.2	736.6	745.5	745.5	745.5	25°	721.3
577.0	567.4	573.1	602.0	696.3	756.8	783.4	799.5	816.4	823.7	828.5	27.5°	813.1
580.3	570.6	573.1	607.6	706.9	767.2	798.7	822.0	848.6	866.3	878.5	30°	866.3
598.8	581.9	580.3	624.6	726.2	790.6	823.7	850.3	880.0	900.2	922.0	32.5°	920.3
623.8	599.7	596.4	652.0	751.2	820.4	853.4	876.9	907.5	934.9	966.3	35°	977.6
665.7	635.9	631.1	698.0	785.0	845.5	878.5	909.1	942.1	977.6	1017.9	37.5°	1044.5
722.1	692.3	692.3	756.8	830.9	880.0	916.4	948.6	984.9	1032.4	1081.6	40°	1124.3
785.8	766.5	769.7	827.7	883.3	923.6	958.3	992.9	1030.8	1078.4	1135.6	42.5°	1190.4
870.4	859.9	876.1	917.2	936.5	963.9	994.5	1025.2	1066.2	1115.4	1180.7	45°	1238.7
969.6	978.5	1001.0	1013.8	990.5	1005.0	1029.2	1057.4	1105.7	1155.7	1220.2	47.5°	1283.1
1093.6	1117.1	1138.7	1135.6	1057.4	1052.5	1075.1	1096.9	1145.2	1202.5	1270.9	50°	1338.6
1236.3	1266.9	1282.3	1264.5	1132.3	1104.2	1122.7	1152.5	1205.6	1270.9	1347.5	52.5°	1413.6
1381.4	1418.4	1413.6	1393.5	1213.7	1175.9	1187.1	1222.6	1287.9	1362.1	1458.7	55°	1524.0
1512.7	1541.8	1554.7	1511.1	1312.9	1262.9	1275.8	1312.9	1382.2	1465.2	1564.3	57.5°	1628.8
1616.7	1648.2	1648.2	1605.4	1420.9	1362.9	1384.6	1420.9	1480.5	1562.8	1655.4	60°	1711.0
1692.5	1717.4	1708.6	1667.5	1513.6	1469.3	1486.1	1536.2	1590.1	1651.3	1724.7	62.5°	1752.9
1686.8	1689.2	1679.6	1664.2	1569.2	1564.3	1596.5	1635.3	1680.4	1703.7	1744.8	65°	1755.4
1528.1	1528.9	1548.2	1541.8	1527.3	1586.9	1628.8	1661.1	1700.6	1700.6	1695.6	67.5°	1700.6
1252.4	1265.3	1298.3	1288.7	1362.9	1485.3	1533.7	1582.9	1617.5	1617.5	1576.4	70°	1553.0
953.4	961.5	1001.0	992.2	1092.8	1227.4	1333.8	1416.1	1449.9	1470.8	1418.4	72.5°	1304.8
693.9	693.2	710.0	697.1	824.5	974.4	1084.0	1186.3	1242.0	1259.7	1164.6	75°	956.7
534.3	519.9	516.6	518.2	584.3	708.4	795.4	860.7	868.0	870.4	742.3	77.5°	579.5
431.2	431.2	426.4	408.6	357.8	414.3	458.6	510.1	528.7	555.3	444.9	80°	326.4
344.1	330.4	306.3	271.6	229.7	245.0	266.0	285.3	316.7	328.1	270.8	82.5°	185.4
171.7	166.8	145.9	120.9	100.8	133.8	149.1	150.7	150.7	139.4	113.6	85°	75.8
0.8	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

'228620
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TION (continued):

359°	360°
563.3	563.3
596.4	598.0
583.5	578.7
543.2	535.9
499.7	494.1
474.6	467.5
469.8	461.8
486.8	477.1
524.7	513.4
585.1	571.4
668.1	654.4
749.5	731.8
807.5	789.8
864.0	843.0
920.3	899.4
996.1	977.6
1079.9	1053.3
1149.3	1124.3
1204.1	1178.2
1256.5	1230.7
1316.1	1298.3
1405.5	1390.3
1541.8	1520.0
1641.7	1632.0
1693.3	1681.2
1709.4	1689.2
1688.5	1657.8
1622.4	1586.9
1462.8	1416.1
1166.2	1134.8
786.5	768.0
452.1	428.0
259.5	251.4
145.9	154.0
37.8	41.9
0.0	0.0
0.0	0.0

(END OF REPORT)