

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: P228623

Luminaire Tested: **ISS-AF-350-LED-E1-SLR-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228623
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-7050
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1990 lumens
Efficiency: N/A
Efficacy: 99.1 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

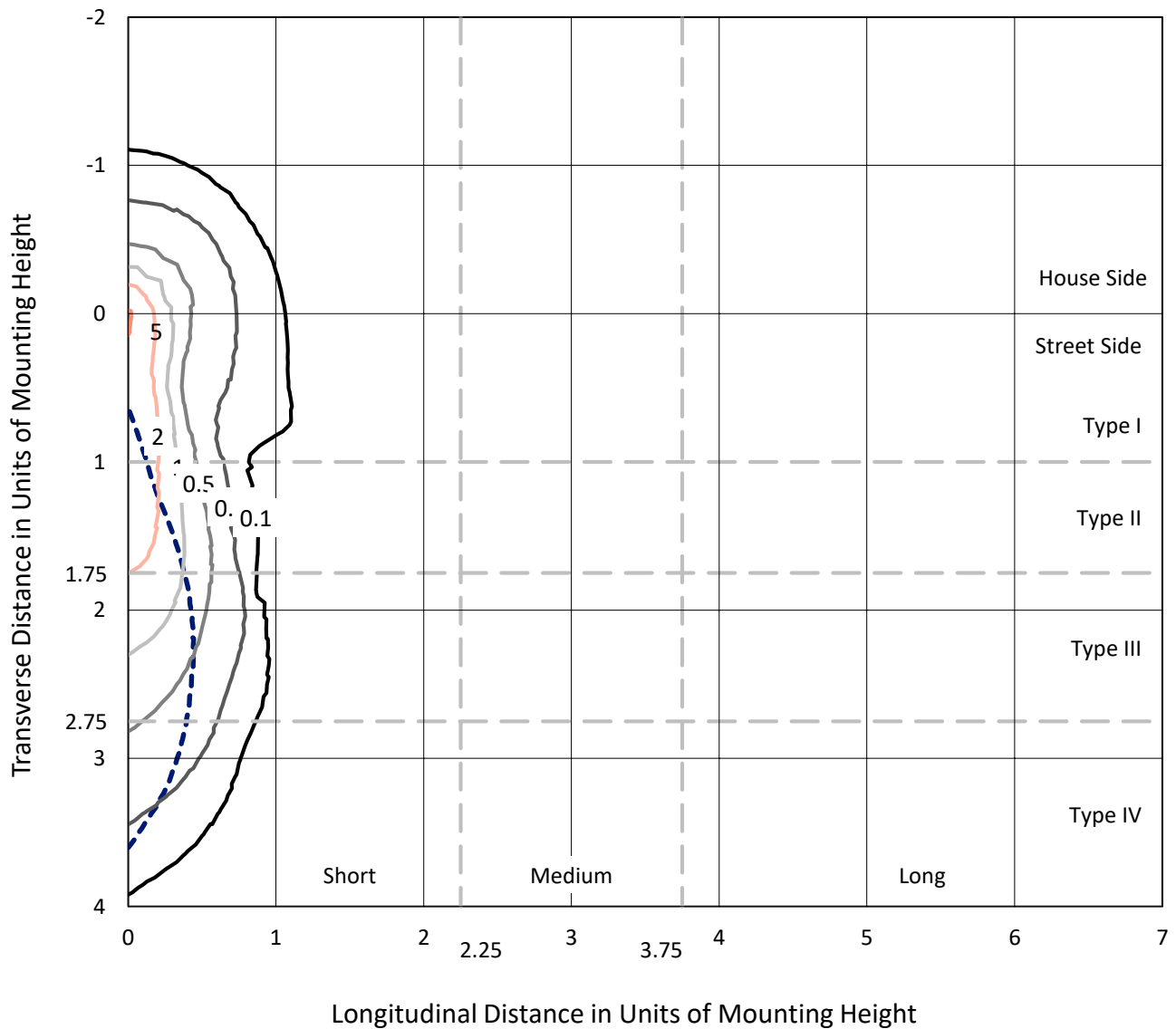
Input Watts (W): 20.09
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

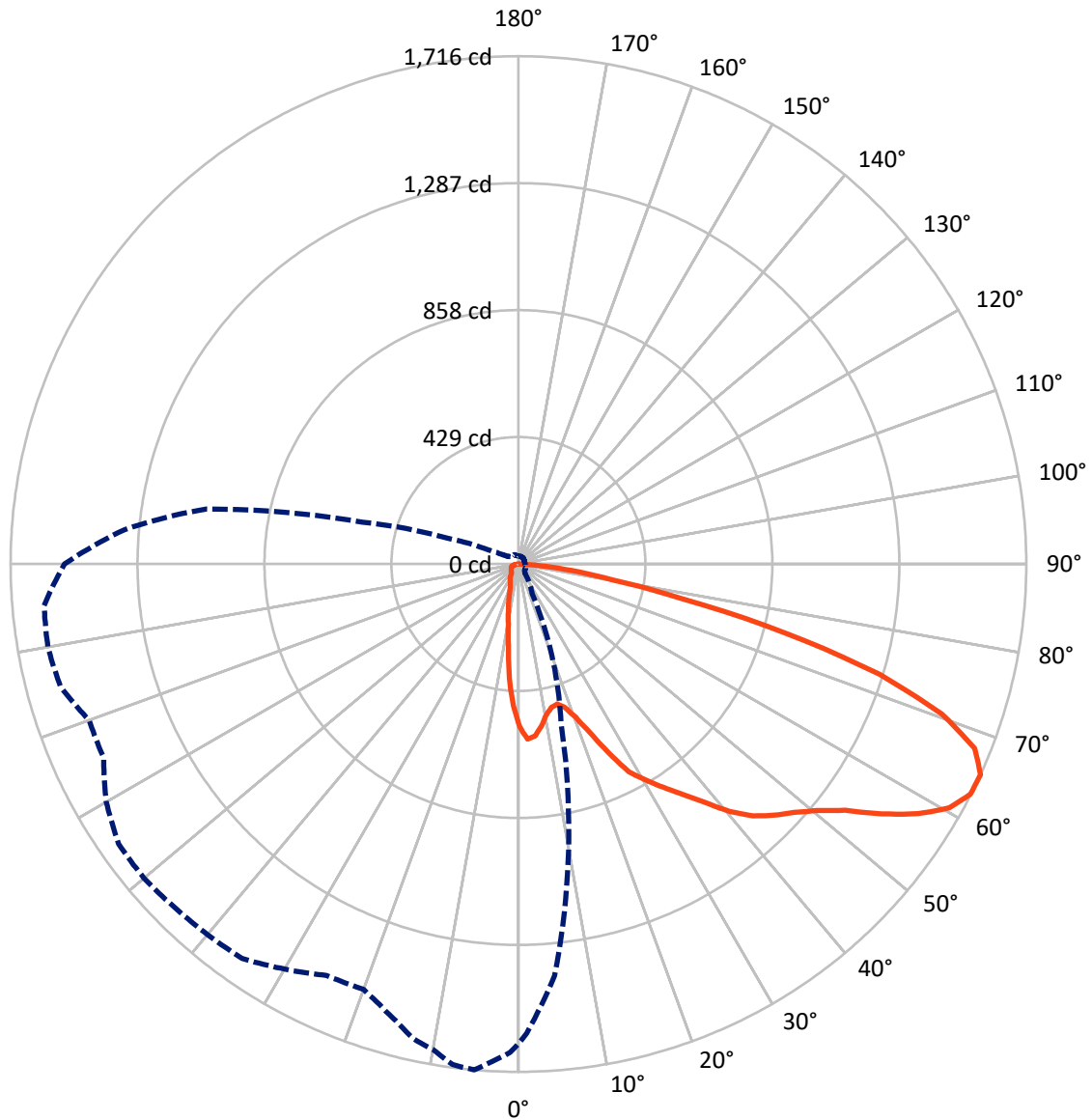
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 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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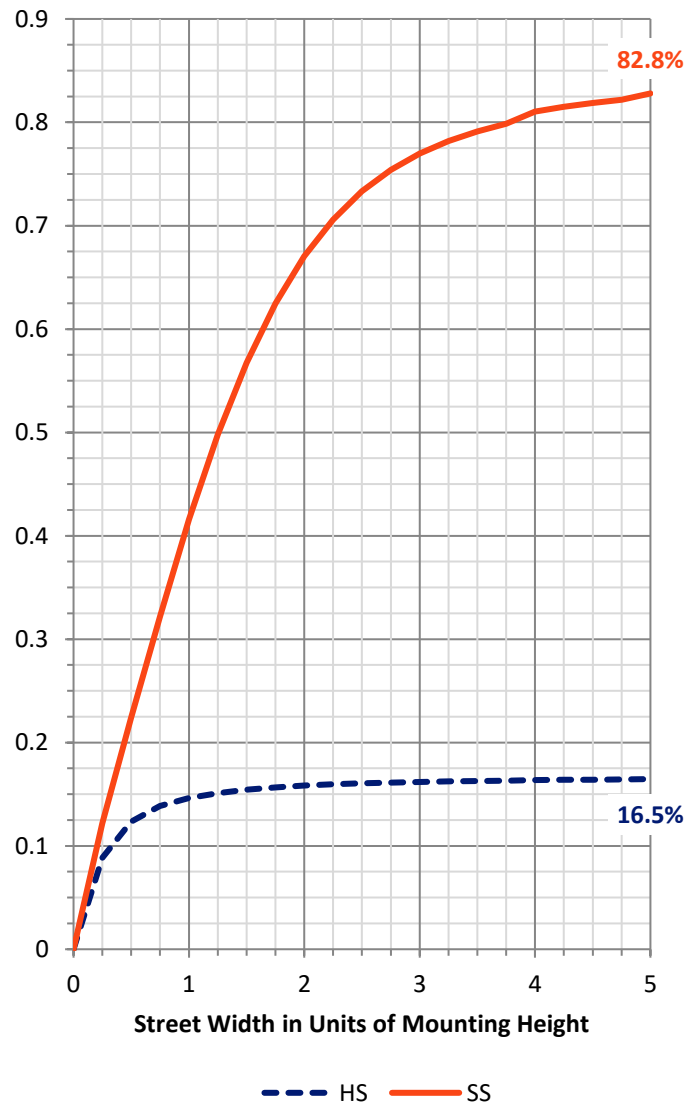
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	330.9	0.0	330.9
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	1659.1	0.0	1659.1
	% Fixture	83.4	0.0	83.4
Total	Lumens	1990.0	0.0	1990.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	2.1
10°-20°	87.1	4.4
20°-30°	126.7	6.4
30°-40°	187.3	9.4
40°-50°	273.0	13.7
50°-60°	409.2	20.6
60°-70°	509.9	25.6
70°-80°	298.7	15.0
80°-90°	55.9	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°	1990.0	100.0
0°-180°	1990.0	100.0



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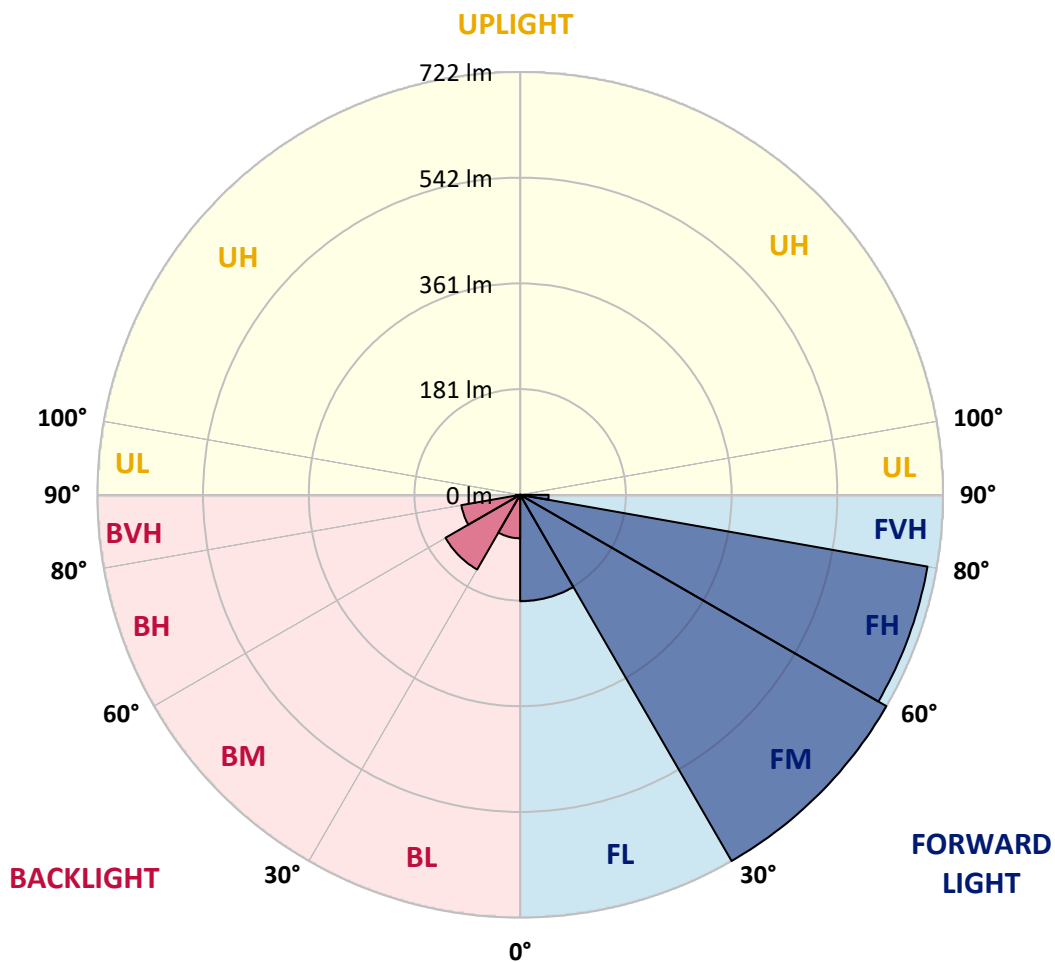
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	181.8	9.1			
FM	(30°-60°)	722.2	36.3			
FH	(60°-80°)	706.4	35.5			G1/1800
FVH	(80°-90°)	48.7	2.4			G1/100
BL	(0°-30°)	74.3	3.7	B0/110		
BM	(30°-60°)	147.3	7.4	B0/220		
BH	(60°-80°)	102.1	5.1	B0/110		G0/110
BVH	(80°-90°)	7.2	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°	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7
2.5°	584.6	579.9	570.4	551.5	531.8	512.9	509.7	502.7	503.4	499.5	497.9
5°	565.7	559.4	539.7	500.3	466.4	431.7	429.4	415.2	416.8	408.1	403.4
7.5°	523.9	515.3	493.2	438.8	391.6	345.9	341.1	324.6	322.2	313.6	306.5
10°	483.0	474.3	446.7	384.5	330.1	296.2	290.7	282.8	276.5	272.6	265.5
12.5°	457.0	452.2	419.1	347.4	304.9	277.3	270.2	262.4	256.1	249.0	241.9
15°	451.4	442.0	408.1	335.6	286.0	252.1	243.4	234.8	227.7	220.6	210.4
17.5°	466.4	457.0	419.1	330.1	264.7	223.8	212.7	200.9	193.8	185.1	174.1
20°	501.9	486.9	440.4	322.2	241.9	190.7	177.3	163.1	155.2	140.2	132.4
22.5°	558.6	539.7	476.7	322.2	220.6	156.0	141.0	128.4	119.8	106.4	97.7
25°	639.7	623.2	535.7	330.9	201.7	126.8	111.9	99.3	90.6	81.1	75.6
27.5°	715.4	689.4	598.8	343.5	186.7	106.4	91.4	81.1	74.8	70.1	67.0
30°	772.1	750.8	653.9	352.2	164.7	89.0	79.6	73.3	70.1	67.8	66.2
32.5°	824.1	799.7	693.3	357.7	151.3	75.6	67.0	62.2	59.1	55.9	55.1
35°	879.2	855.6	739.8	356.9	142.6	69.3	60.7	55.1	52.0	51.2	49.6
37.5°	955.7	923.4	793.4	356.9	139.5	67.0	56.7	51.2	48.8	47.3	46.5
40°	1029.7	993.5	852.5	359.3	136.3	65.4	56.7	51.2	47.3	45.7	44.1
42.5°	1099.1	1058.9	906.0	363.2	134.7	60.7	53.6	50.4	48.8	45.7	43.3
45°	1151.8	1120.3	947.8	371.1	134.7	57.5	50.4	48.1	47.3	47.3	46.5
47.5°	1203.1	1167.6	995.9	386.0	137.1	55.1	48.1	44.9	44.9	44.9	45.7
50°	1269.2	1227.5	1062.0	416.8	137.1	54.4	45.7	42.5	41.8	43.3	43.3
52.5°	1359.1	1329.1	1158.9	460.9	135.5	53.6	44.9	40.2	39.4	40.2	41.8
55°	1485.9	1452.0	1276.3	515.3	133.9	52.0	43.3	39.4	37.8	37.0	37.8
57.5°	1595.4	1566.3	1384.3	558.6	130.0	48.1	41.8	38.6	36.2	35.5	34.7
60°	1643.5	1619.0	1453.6	587.7	122.9	44.1	39.4	37.0	34.7	33.9	33.1
62.5°	1651.3	1620.6	1454.4	594.0	115.0	40.2	37.0	34.7	33.1	32.3	31.5
65°	1620.6	1586.0	1396.9	555.4	108.7	40.2	35.5	33.1	30.7	29.9	29.2
67.5°	1551.3	1497.7	1251.1	471.1	103.2	41.0	34.7	30.7	29.2	28.4	27.6
70°	1384.3	1324.4	1056.5	374.2	100.8	41.8	34.7	29.2	26.8	26.0	26.0
72.5°	1109.3	1040.8	824.1	282.1	96.9	42.5	33.9	27.6	25.2	23.6	23.6
75°	750.8	691.0	558.6	190.7	80.4	37.0	30.7	25.2	22.1	20.5	19.7
77.5°	418.4	398.7	355.3	100.8	51.2	27.6	23.6	20.5	18.1	17.3	16.5
80°	245.8	235.6	209.6	55.9	31.5	15.8	14.2	13.4	11.8	11.8	11.8
82.5°	150.5	140.2	130.0	25.2	15.0	7.9	7.9	6.3	6.3	5.5	5.5
85°	41.0	37.8	52.8	5.5	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°	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7
2.5°	491.6	490.0	490.0	478.2	478.2	471.9	470.4	470.4	472.7	471.1	461.7
5°	395.5	390.8	387.6	373.4	369.5	362.4	359.3	358.5	360.8	356.9	344.3
7.5°	297.8	293.9	289.1	278.1	273.4	272.6	263.1	260.8	259.2	256.1	248.2
10°	260.0	254.5	250.5	242.7	237.1	233.2	225.3	221.4	218.2	213.5	211.1
12.5°	234.0	228.5	223.0	212.7	205.6	200.9	196.2	188.3	185.1	179.6	176.5
15°	201.7	195.4	189.1	178.1	168.6	163.9	154.4	149.7	146.5	140.2	137.1
17.5°	162.3	153.6	146.5	136.3	131.6	123.7	118.2	110.3	104.0	101.6	99.3
20°	122.1	114.2	107.9	99.3	94.5	88.2	85.1	79.6	76.4	74.8	73.3
22.5°	89.8	83.5	79.6	74.8	72.5	70.1	68.5	67.0	65.4	64.6	64.6
25°	70.9	68.5	67.0	65.4	64.6	63.8	62.2	61.5	60.7	59.9	59.9
27.5°	64.6	63.0	62.2	61.5	60.7	59.1	59.1	57.5	56.7	56.7	55.9
30°	65.4	65.4	65.4	63.8	63.0	61.5	60.7	58.3	56.7	55.1	54.4
32.5°	53.6	53.6	52.8	51.2	50.4	49.6	49.6	48.1	47.3	47.3	48.8
35°	48.8	48.1	47.3	45.7	44.9	43.3	42.5	41.8	41.0	40.2	40.2
37.5°	46.5	45.7	44.9	43.3	42.5	41.8	41.0	39.4	38.6	38.6	37.8
40°	44.1	44.1	44.1	42.5	41.8	40.2	39.4	38.6	37.8	37.0	37.0
42.5°	42.5	42.5	42.5	41.8	41.0	40.2	38.6	37.8	37.0	36.2	35.5
45°	43.3	42.5	42.5	41.8	41.0	39.4	38.6	37.0	36.2	35.5	34.7
47.5°	46.5	45.7	44.1	42.5	41.0	39.4	37.8	36.2	35.5	34.7	33.9
50°	44.1	47.3	48.1	45.7	41.8	39.4	37.8	36.2	34.7	33.9	33.1
52.5°	43.3	44.1	47.3	47.3	43.3	40.2	37.8	36.2	34.7	33.1	32.3
55°	39.4	41.8	42.5	43.3	42.5	39.4	37.0	34.7	33.9	32.3	30.7
57.5°	34.7	36.2	37.0	38.6	39.4	38.6	35.5	33.1	32.3	30.7	29.2
60°	32.3	32.3	32.3	33.1	37.0	40.2	37.0	32.3	29.9	29.2	27.6
62.5°	29.9	29.9	29.2	29.9	30.7	34.7	33.9	30.7	29.2	28.4	26.8
65°	29.2	28.4	27.6	27.6	27.6	27.6	27.6	27.6	26.8	26.8	26.0
67.5°	26.8	26.0	26.0	25.2	25.2	25.2	25.2	25.2	24.4	24.4	23.6
70°	25.2	24.4	23.6	23.6	23.6	22.8	22.8	22.8	22.1	22.1	22.1
72.5°	22.8	22.1	22.1	22.1	21.3	21.3	21.3	20.5	20.5	19.7	19.7
75°	19.7	19.7	18.9	18.9	18.9	18.1	18.1	18.1	18.1	17.3	17.3
77.5°	16.5	15.8	16.5	15.8	15.8	15.8	15.8	15.8	15.0	15.0	14.2
80°	11.0	11.0	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.0
82.5°	6.3	5.5	6.3	6.3	6.3	7.1	7.1	7.9	7.1	7.1	6.3
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°	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7
2.5°	466.4	465.6	457.7	459.3	457.0	452.2	453.0	453.8	455.4	452.2	450.7
5°	350.6	351.4	341.1	344.3	341.9	341.1	343.5	347.4	349.8	349.0	346.7
7.5°	249.0	249.8	241.1	240.3	237.9	237.1	240.3	244.2	246.6	245.8	246.6
10°	205.6	203.3	195.4	189.9	184.4	179.6	178.8	178.8	178.8	177.3	175.7
12.5°	170.2	167.8	158.4	153.6	148.9	142.6	141.8	141.0	138.7	136.3	133.1
15°	132.4	130.0	122.1	119.0	115.0	112.7	111.9	111.9	110.3	108.7	107.1
17.5°	96.1	94.5	89.8	86.7	85.9	86.7	87.5	89.0	89.8	90.6	90.6
20°	72.5	71.7	70.1	70.1	70.9	73.3	74.1	76.4	77.2	78.8	80.4
22.5°	63.8	63.8	63.0	63.0	64.6	67.0	68.5	69.3	70.1	70.9	70.9
25°	59.1	59.1	58.3	59.9	62.2	62.2	62.2	62.2	60.7	59.9	59.9
27.5°	55.9	55.9	55.9	56.7	55.9	55.1	55.1	55.1	54.4	54.4	53.6
30°	53.6	53.6	53.6	52.8	52.8	52.0	52.0	51.2	51.2	50.4	50.4
32.5°	49.6	48.1	49.6	48.1	48.1	47.3	48.1	48.1	46.5	46.5	46.5
35°	39.4	38.6	38.6	38.6	37.8	38.6	40.2	40.2	40.2	40.2	40.2
37.5°	37.0	37.0	36.2	35.5	35.5	34.7	35.5	34.7	34.7	34.7	35.5
40°	36.2	35.5	34.7	34.7	33.9	33.1	33.1	33.1	33.1	33.1	33.1
42.5°	34.7	34.7	33.1	32.3	32.3	31.5	31.5	31.5	31.5	31.5	31.5
45°	33.9	33.1	32.3	31.5	30.7	30.7	30.7	30.7	30.7	30.7	29.9
47.5°	33.1	32.3	31.5	30.7	29.9	29.2	29.2	29.2	29.2	29.2	29.2
50°	32.3	31.5	29.9	29.9	29.2	28.4	28.4	28.4	28.4	28.4	28.4
52.5°	30.7	30.7	29.2	28.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6
55°	29.2	29.2	27.6	26.8	26.0	26.0	26.0	26.0	26.8	26.8	26.8
57.5°	28.4	27.6	26.0	26.0	24.4	24.4	24.4	25.2	25.2	26.0	26.0
60°	26.8	26.0	25.2	24.4	24.4	23.6	23.6	23.6	23.6	24.4	24.4
62.5°	26.0	25.2	23.6	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
65°	24.4	24.4	22.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
67.5°	22.8	22.8	21.3	20.5	20.5	20.5	21.3	20.5	20.5	20.5	20.5
70°	21.3	20.5	19.7	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
72.5°	18.9	18.9	18.1	17.3	17.3	17.3	17.3	17.3	17.3	17.3	18.1
75°	16.5	15.8	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
77.5°	14.2	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.4
80°	10.2	9.5	9.5	9.5	9.5	10.2	10.2	10.2	10.2	10.2	10.2
82.5°	6.3	5.5	5.5	5.5	6.3	7.1	7.1	7.1	7.1	7.9	7.9
85°	1.6	1.6	1.6	1.6	3.2	3.9	3.9	3.9	4.7	3.9	3.9
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):

	115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°
0°	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7
2.5°	449.1	458.5	458.5	452.2	455.4	452.2	451.4	457.0	460.1	470.4	476.7
5°	347.4	359.3	360.1	356.9	360.8	358.5	360.8	367.9	373.4	380.5	386.8
7.5°	248.2	259.2	261.6	259.2	266.3	265.5	267.1	275.0	279.7	283.6	284.4
10°	174.9	176.5	182.8	181.2	185.9	185.1	187.5	193.8	200.1	202.5	204.1
12.5°	131.6	130.0	132.4	129.2	131.6	131.6	132.4	136.3	144.2	147.3	155.2
15°	106.4	104.8	104.8	103.2	103.2	102.4	103.2	106.4	111.9	116.6	122.9
17.5°	90.6	90.6	90.6	89.8	89.0	89.0	89.8	91.4	94.5	97.7	100.8
20°	81.1	82.7	83.5	84.3	85.1	85.9	86.7	89.0	88.2	85.1	81.1
22.5°	70.9	70.9	71.7	71.7	70.9	70.9	70.9	70.9	70.9	73.3	75.6
25°	59.1	59.1	59.1	59.9	59.1	59.1	59.9	59.9	60.7	62.2	64.6
27.5°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	54.4	55.1	57.5	59.1
30°	49.6	49.6	48.8	48.8	48.8	48.1	48.8	48.8	49.6	52.8	55.1
32.5°	45.7	44.9	44.9	44.9	44.1	44.1	44.1	45.7	46.5	48.1	50.4
35°	40.2	40.2	40.2	41.0	41.0	41.0	41.0	42.5	42.5	43.3	43.3
37.5°	36.2	36.2	37.0	37.8	37.8	38.6	38.6	39.4	40.2	39.4	38.6
40°	33.1	33.9	33.9	35.5	35.5	35.5	36.2	37.0	37.8	36.2	36.2
42.5°	31.5	31.5	31.5	32.3	32.3	32.3	33.1	33.9	34.7	34.7	34.7
45°	29.9	29.9	29.9	30.7	29.9	29.9	29.9	30.7	32.3	32.3	33.1
47.5°	29.2	29.2	29.2	28.4	28.4	28.4	28.4	29.2	29.9	31.5	32.3
50°	28.4	27.6	27.6	27.6	27.6	27.6	27.6	28.4	29.2	29.9	31.5
52.5°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	27.6	28.4	29.2	29.9
55°	26.8	26.8	26.0	26.0	26.8	26.8	26.8	27.6	28.4	29.2	29.2
57.5°	26.0	25.2	25.2	26.0	26.0	26.0	26.0	26.8	27.6	28.4	28.4
60°	24.4	24.4	24.4	24.4	25.2	25.2	26.0	26.8	26.8	27.6	27.6
62.5°	22.8	23.6	23.6	23.6	24.4	24.4	25.2	26.0	26.8	27.6	26.8
65°	22.1	22.8	22.8	22.8	23.6	23.6	23.6	25.2	26.0	26.0	26.8
67.5°	21.3	21.3	21.3	22.1	22.1	22.8	22.8	24.4	24.4	25.2	26.0
70°	19.7	19.7	19.7	20.5	20.5	21.3	22.1	22.8	22.8	23.6	24.4
72.5°	18.1	18.1	18.1	18.9	18.9	19.7	20.5	22.1	21.3	22.1	22.1
75°	15.8	15.8	16.5	16.5	17.3	18.1	18.9	18.9	18.9	18.9	18.9
77.5°	13.4	13.4	14.2	14.2	15.0	15.8	15.8	15.8	16.5	15.8	15.8
80°	11.0	11.0	11.8	11.8	11.8	11.8	12.6	11.8	12.6	11.8	12.6
82.5°	7.9	7.9	8.7	7.9	8.7	7.9	7.9	7.1	8.7	7.9	7.9
85°	3.2	3.9	3.9	3.9	3.9	3.2	3.2	2.4	3.2	3.2	2.4
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):

	175°	180°	185°	195°	205°	215°	225°	230°	235°	240°	245°
0°	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7
2.5°	479.0	478.2	490.0	498.7	504.2	525.5	535.0	546.8	552.3	560.2	568.0
5°	387.6	386.0	400.2	411.3	420.7	451.4	469.6	486.1	499.5	512.1	530.2
7.5°	277.3	274.2	283.6	293.1	305.7	338.8	370.3	392.4	412.0	433.3	457.0
10°	204.8	207.2	216.7	230.8	247.4	272.6	297.8	313.6	330.9	354.5	382.9
12.5°	163.9	173.3	181.2	198.5	218.2	246.6	273.4	286.0	298.6	310.4	325.4
15°	131.6	137.1	143.4	159.9	183.6	216.7	248.2	262.4	277.3	291.5	304.9
17.5°	101.6	104.0	107.1	119.0	140.2	179.6	214.3	232.4	249.8	269.4	287.6
20°	81.1	81.1	81.9	87.5	102.4	133.1	175.7	198.5	220.6	245.8	271.8
22.5°	70.9	70.1	70.9	73.3	80.4	98.5	137.1	163.9	192.2	223.8	256.1
25°	67.0	66.2	65.4	67.0	70.9	79.6	107.1	135.5	164.7	202.5	241.9
27.5°	60.7	61.5	62.2	63.8	67.0	71.7	89.0	110.3	142.6	184.4	231.6
30°	56.7	57.5	58.3	59.9	65.4	70.9	81.1	94.5	122.1	163.1	215.9
32.5°	52.0	52.8	53.6	54.4	55.9	62.2	69.3	80.4	104.0	144.2	199.3
35°	42.5	42.5	43.3	45.7	48.8	55.1	62.2	70.9	93.0	131.6	189.1
37.5°	39.4	39.4	40.2	42.5	45.7	51.2	57.5	65.4	88.2	126.8	179.6
40°	37.0	37.8	37.8	40.2	43.3	49.6	53.6	63.0	85.9	119.8	170.2
42.5°	35.5	35.5	36.2	38.6	42.5	47.3	52.8	61.5	79.6	113.5	164.7
45°	33.9	34.7	34.7	37.0	41.8	45.7	53.6	58.3	75.6	108.7	159.9
47.5°	33.1	33.1	33.9	36.2	41.0	46.5	52.0	55.1	71.7	104.8	156.0
50°	31.5	32.3	33.1	35.5	40.2	51.2	49.6	52.8	68.5	101.6	153.6
52.5°	30.7	31.5	32.3	34.7	40.2	52.0	48.1	49.6	66.2	98.5	152.1
55°	29.9	29.9	30.7	33.9	40.2	48.1	44.9	48.1	61.5	93.8	148.1
57.5°	28.4	29.2	29.9	32.3	39.4	44.1	42.5	45.7	56.7	85.9	142.6
60°	28.4	28.4	29.2	31.5	39.4	39.4	40.2	43.3	51.2	76.4	133.1
62.5°	27.6	27.6	28.4	31.5	40.2	35.5	37.8	41.0	47.3	68.5	121.3
65°	26.8	26.8	27.6	29.9	34.7	33.9	36.2	38.6	45.7	63.0	111.1
67.5°	25.2	25.2	26.0	28.4	30.7	31.5	34.7	37.0	44.9	62.2	101.6
70°	23.6	23.6	23.6	26.0	27.6	29.9	32.3	35.5	44.9	61.5	94.5
72.5°	22.1	21.3	22.1	23.6	25.2	26.8	29.2	33.1	44.1	62.2	91.4
75°	18.9	18.9	18.9	20.5	22.1	23.6	26.0	30.7	41.8	58.3	81.9
77.5°	15.8	15.8	15.0	17.3	18.9	19.7	22.1	26.8	36.2	49.6	66.2
80°	11.8	11.0	11.0	13.4	14.2	15.8	17.3	20.5	28.4	36.2	48.8
82.5°	7.1	6.3	6.3	8.7	9.5	10.2	13.4	15.0	18.9	23.6	33.1
85°	2.4	2.4	2.4	3.9	4.7	5.5	7.9	8.7	11.8	15.0	17.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	3.9	4.7	3.9
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	250°	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	
0°	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	0°
2.5°	577.5	585.4	595.6	605.1	612.2	618.5	626.3	626.3	635.8	639.0	645.3	2.5°
5°	544.4	559.4	581.4	599.6	621.6	642.9	662.6	673.6	692.5	705.1	717.7	5°
7.5°	477.4	497.9	525.5	550.7	583.0	617.7	650.0	679.9	711.4	738.2	757.9	7.5°
10°	407.3	435.7	464.8	497.1	531.8	568.8	608.2	648.4	686.2	724.0	756.3	10°
12.5°	349.8	382.1	415.2	455.4	495.6	535.0	581.4	616.1	655.5	693.3	724.8	12.5°
15°	325.4	353.7	392.4	436.5	479.0	519.2	562.5	598.0	635.0	665.7	687.8	15°
17.5°	315.1	351.4	395.5	442.0	487.7	536.5	575.1	605.1	632.6	646.8	650.0	17.5°
20°	304.1	353.7	412.8	469.6	525.5	576.7	605.1	624.8	629.5	628.7	616.9	20°
22.5°	297.8	361.6	434.9	514.5	584.6	644.5	664.2	660.2	640.5	615.3	595.6	22.5°
25°	296.2	379.7	472.7	578.3	664.2	724.0	735.1	713.0	668.9	620.0	587.0	25°
27.5°	297.8	400.2	520.0	646.8	747.7	809.1	805.2	772.1	709.1	640.5	587.7	27.5°
30°	290.7	421.5	567.3	706.7	806.8	858.0	842.2	792.6	722.5	653.9	598.0	30°
32.5°	278.9	437.3	609.0	754.8	868.2	906.8	878.5	824.9	752.4	682.3	624.8	32.5°
35°	265.5	444.4	639.0	799.7	934.4	954.9	909.2	854.8	788.6	717.7	655.5	35°
37.5°	251.3	445.1	667.3	846.9	998.2	1006.9	940.7	882.4	817.8	754.0	697.3	37.5°
40°	243.4	442.0	696.5	905.2	1066.8	1054.9	973.8	905.2	841.4	792.6	746.1	40°
42.5°	240.3	436.5	717.7	949.4	1125.8	1099.8	1004.5	928.1	870.6	829.6	797.3	42.5°
45°	240.3	431.0	737.4	982.5	1170.0	1136.1	1033.7	950.2	898.9	873.7	858.0	45°
47.5°	241.1	433.3	761.1	1036.0	1207.8	1170.8	1056.5	982.5	938.3	928.9	934.4	47.5°
50°	245.0	460.1	801.2	1095.1	1255.1	1207.8	1087.2	1018.7	991.9	1001.4	1032.9	50°
52.5°	251.3	502.7	870.6	1165.2	1328.3	1266.9	1138.5	1070.7	1058.1	1092.0	1151.8	52.5°
55°	257.6	546.0	961.2	1282.6	1446.5	1374.0	1229.1	1161.3	1146.3	1198.3	1284.2	55°
57.5°	263.1	578.3	1049.4	1399.2	1548.9	1493.8	1348.8	1266.9	1260.6	1316.5	1410.3	57.5°
60°	268.7	603.5	1100.6	1451.2	1595.4	1589.9	1472.5	1396.9	1387.4	1439.4	1528.4	60°
62.5°	265.5	594.0	1114.8	1425.2	1591.5	1637.2	1573.3	1519.8	1487.5	1530.8	1617.5	62.5°
65°	253.7	544.4	1069.9	1335.4	1534.0	1608.8	1614.3	1601.7	1543.4	1546.6	1608.0	65°
67.5°	221.4	457.7	932.0	1193.6	1421.3	1510.3	1603.3	1599.3	1525.3	1459.9	1472.5	67.5°
70°	183.6	359.3	760.3	1016.3	1261.4	1337.8	1485.9	1515.8	1410.3	1288.1	1230.6	70°
72.5°	154.4	268.7	584.6	787.1	1010.8	1099.8	1319.7	1361.4	1217.2	1045.5	956.5	72.5°
75°	128.4	189.9	411.3	542.0	697.3	814.6	1151.8	1155.8	988.0	822.5	726.4	75°
77.5°	95.3	129.2	297.8	379.0	479.0	579.9	931.2	941.5	783.9	624.0	541.3	77.5°
80°	63.8	79.6	189.9	264.7	322.2	388.4	683.1	639.7	517.6	432.5	411.3	80°
82.5°	38.6	46.5	109.5	185.1	203.3	241.9	429.4	401.0	341.1	312.0	319.9	82.5°
85°	21.3	29.2	67.0	121.3	94.5	132.4	234.8	229.3	215.1	188.3	163.9	85°
87.5°	5.5	6.3	15.0	5.5	2.4	7.1	45.7	29.9	29.9	17.3	6.3	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°
550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	0°	550.7
639.7	642.1	641.3	635.8	621.6	616.1	613.7	607.4	600.3	600.3	594.0	2.5°	592.5
716.9	720.9	716.2	702.8	666.5	649.2	639.0	626.3	616.1	606.6	597.2	5°	583.8
771.3	774.5	766.6	735.9	671.3	642.1	626.3	611.4	598.8	582.2	567.3	7.5°	553.9
781.6	788.6	780.0	735.9	661.0	624.8	607.4	590.9	572.8	555.4	534.2	10°	517.6
752.4	767.4	761.1	728.8	656.3	617.7	597.2	577.5	555.4	537.3	512.9	12.5°	497.1
707.5	709.1	713.0	712.2	647.6	609.8	589.3	568.8	549.1	531.8	510.5	15°	490.8
657.9	656.3	661.0	676.0	645.3	615.3	601.9	582.2	568.0	548.3	531.8	17.5°	509.7
613.0	610.6	615.3	630.3	635.8	628.7	623.2	611.4	600.3	587.7	574.3	20°	553.1
584.6	576.7	575.9	598.0	640.5	659.4	663.4	661.8	661.0	651.6	642.1	22.5°	617.7
568.8	560.2	564.1	589.3	660.2	695.7	713.8	720.1	728.8	728.8	728.8	25°	705.1
564.1	554.7	560.2	588.5	680.7	739.8	765.8	781.6	798.1	805.2	809.9	27.5°	794.9
567.3	557.8	560.2	594.0	691.0	750.0	780.8	803.6	829.6	846.9	858.8	30°	846.9
585.4	568.8	567.3	610.6	709.9	772.9	805.2	831.2	860.3	880.0	901.3	32.5°	899.7
609.8	586.2	583.0	637.4	734.3	802.0	834.3	857.2	887.1	913.9	944.6	35°	955.7
650.8	621.6	616.9	682.3	767.4	826.5	858.8	888.7	921.0	955.7	995.1	37.5°	1021.1
705.9	676.8	676.8	739.8	812.3	860.3	895.8	927.3	962.8	1009.2	1057.3	40°	1099.1
768.2	749.3	752.4	809.1	863.5	902.9	936.8	970.6	1007.7	1054.2	1110.1	42.5°	1163.7
850.9	840.6	856.4	896.6	915.5	942.3	972.2	1002.2	1042.3	1090.4	1154.2	45°	1210.9
947.8	956.5	978.5	991.1	968.3	982.5	1006.1	1033.7	1080.9	1129.8	1192.8	47.5°	1254.3
1069.1	1092.0	1113.2	1110.1	1033.7	1028.9	1051.0	1072.3	1119.5	1175.5	1242.4	50°	1308.6
1208.6	1238.5	1253.5	1236.1	1106.9	1079.4	1097.5	1126.6	1178.6	1242.4	1317.3	52.5°	1381.9
1350.4	1386.6	1381.9	1362.2	1186.5	1149.5	1160.5	1195.2	1259.0	1331.5	1426.0	55°	1489.8
1478.8	1507.2	1519.8	1477.2	1283.4	1234.6	1247.2	1283.4	1351.2	1432.3	1529.2	57.5°	1592.3
1580.4	1611.2	1611.2	1569.4	1389.0	1332.3	1353.5	1389.0	1447.3	1527.7	1618.3	60°	1672.6
1654.5	1678.9	1670.3	1630.1	1479.6	1436.3	1452.8	1501.7	1554.4	1614.3	1686.0	62.5°	1713.6
1649.0	1651.3	1641.9	1626.9	1534.0	1529.2	1560.7	1598.6	1642.7	1665.5	1705.7	65°	1716.0
1493.8	1494.6	1513.5	1507.2	1493.0	1551.3	1592.3	1623.8	1662.4	1662.4	1657.6	67.5°	1662.4
1224.3	1236.9	1269.2	1259.8	1332.3	1452.0	1499.3	1547.4	1581.2	1581.2	1541.0	70°	1518.2
932.0	939.9	978.5	969.9	1068.3	1199.9	1303.9	1384.3	1417.4	1437.8	1386.6	72.5°	1275.5
678.3	677.6	694.1	681.5	806.0	952.5	1059.7	1159.7	1214.1	1231.4	1138.5	75°	935.2
522.3	508.2	505.0	506.6	571.2	692.5	777.6	841.4	848.5	850.9	725.6	77.5°	566.5
421.5	421.5	416.8	399.4	349.8	405.0	448.3	498.7	516.8	542.8	434.9	80°	319.1
336.4	323.0	299.4	265.5	224.5	239.5	260.0	278.9	309.6	320.7	264.7	82.5°	181.2
167.8	163.1	142.6	118.2	98.5	130.8	145.8	147.3	147.3	136.3	111.1	85°	74.1
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



'228623

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TION (continued):

359°	360°
550.7	550.7
583.0	584.6
570.4	565.7
531.0	523.9
488.5	483.0
464.0	457.0
459.3	451.4
475.9	466.4
512.9	501.9
572.0	558.6
653.1	639.7
732.7	715.4
789.4	772.1
844.6	824.1
899.7	879.2
973.8	955.7
1055.7	1029.7
1123.5	1099.1
1177.1	1151.8
1228.3	1203.1
1286.6	1269.2
1374.0	1359.1
1507.2	1485.9
1604.9	1595.4
1655.3	1643.5
1671.0	1651.3
1650.6	1620.6
1586.0	1551.3
1430.0	1384.3
1140.0	1109.3
768.9	750.8
442.0	418.4
253.7	245.8
142.6	150.5
37.0	41.0
0.0	0.0
0.0	0.0

(END OF REPORT)