

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: P271516

Luminaire Tested: **ISS-AF-600-LED-E1-SLR-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271516
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-600-LED-E1-SLR-7027
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2831.6 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 33.7
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

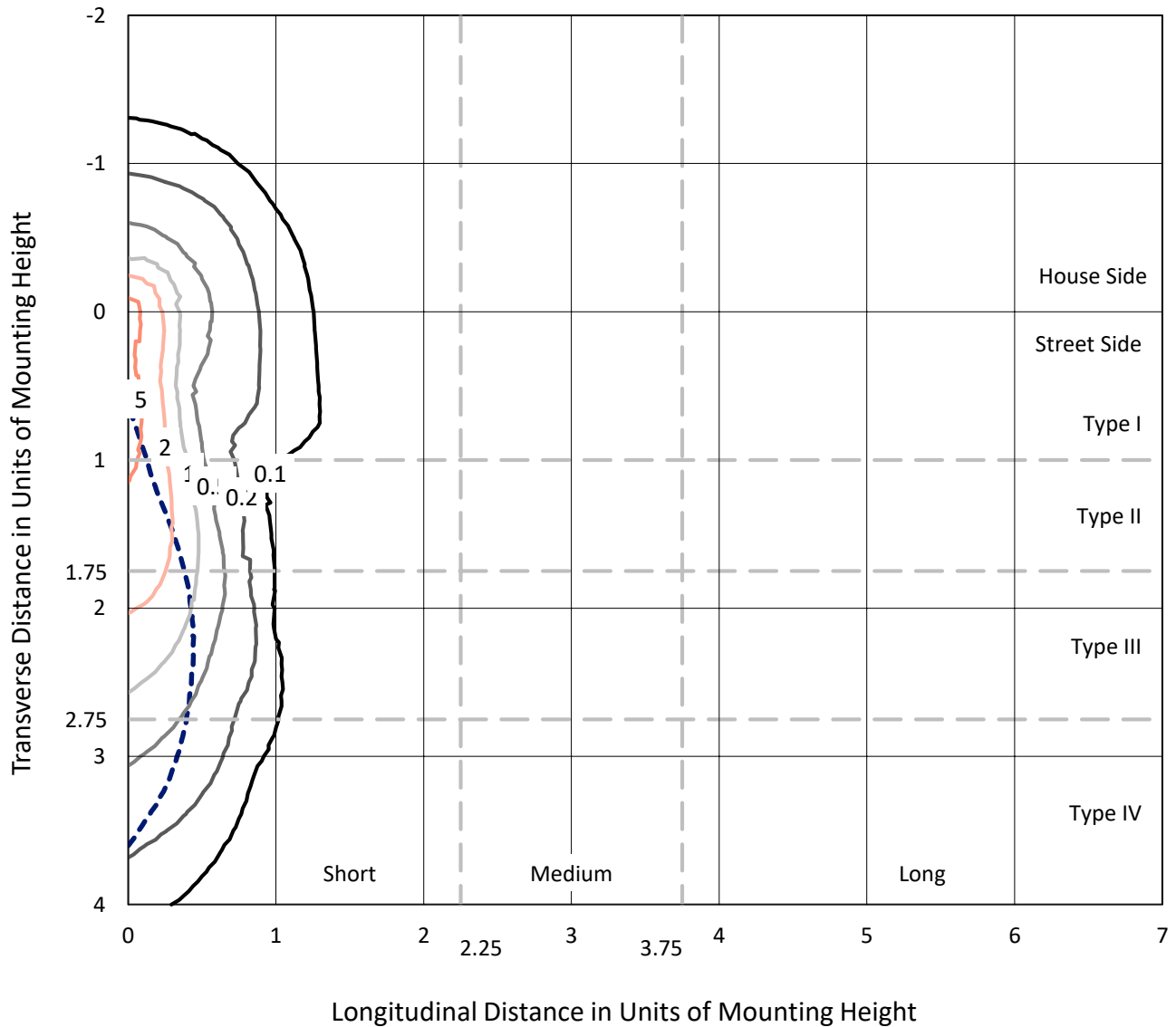


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Iso-Footcandle Lines of Horizontal Illumination

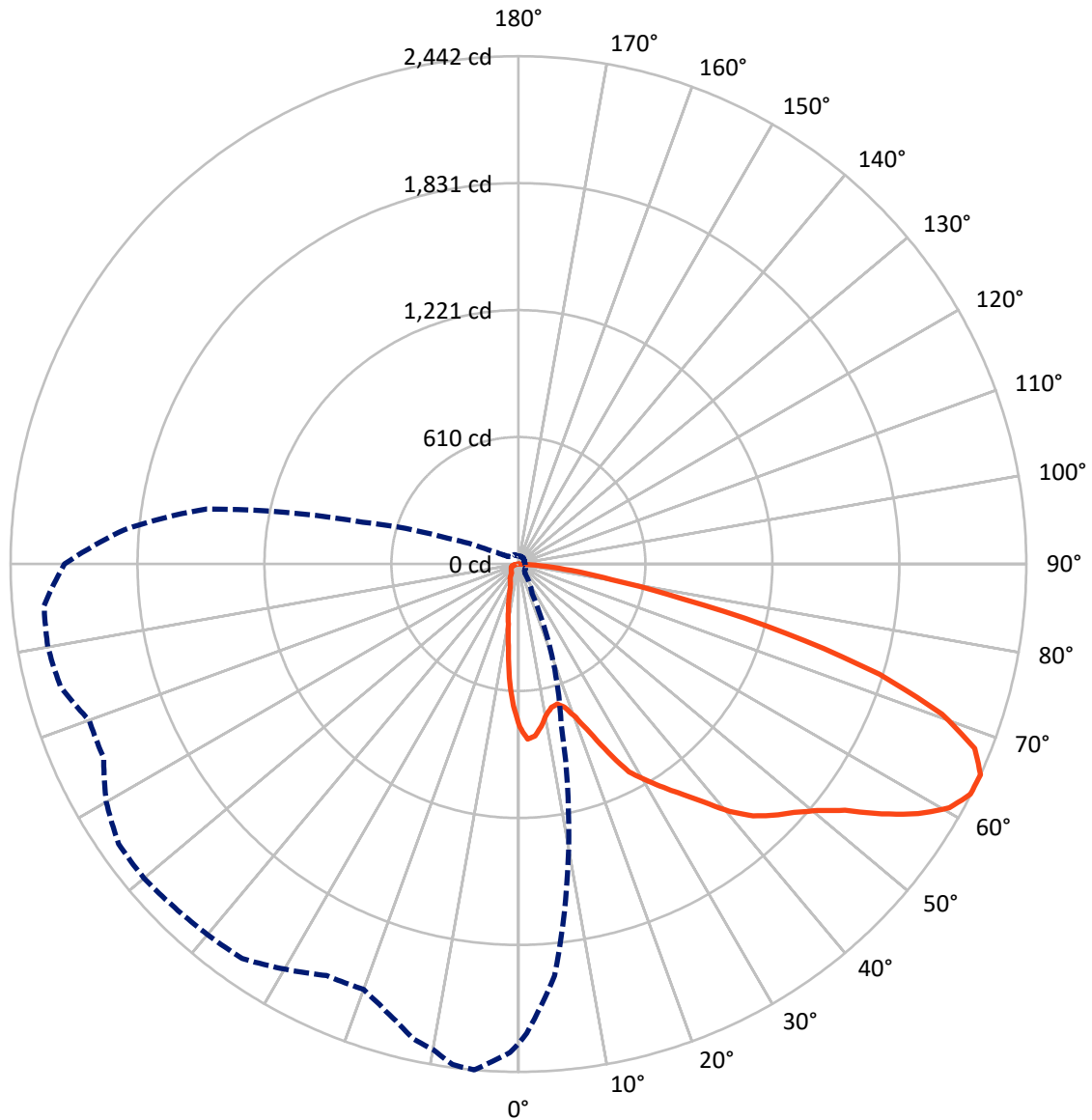
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 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	470.8	0.0	470.8
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	2360.8	0.0	2360.8
	% Fixture	83.4	0.0	83.4
Total	Lumens	2831.6	0.0	2831.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	2.1
10°-20°	124.0	4.4
20°-30°	180.2	6.4
30°-40°	266.6	9.4
40°-50°	388.4	13.7
50°-60°	582.2	20.6
60°-70°	725.5	25.6
70°-80°	425.0	15.0
80°-90°	79.5	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°	2831.6	100.0
0°-180°	2831.6	100.0



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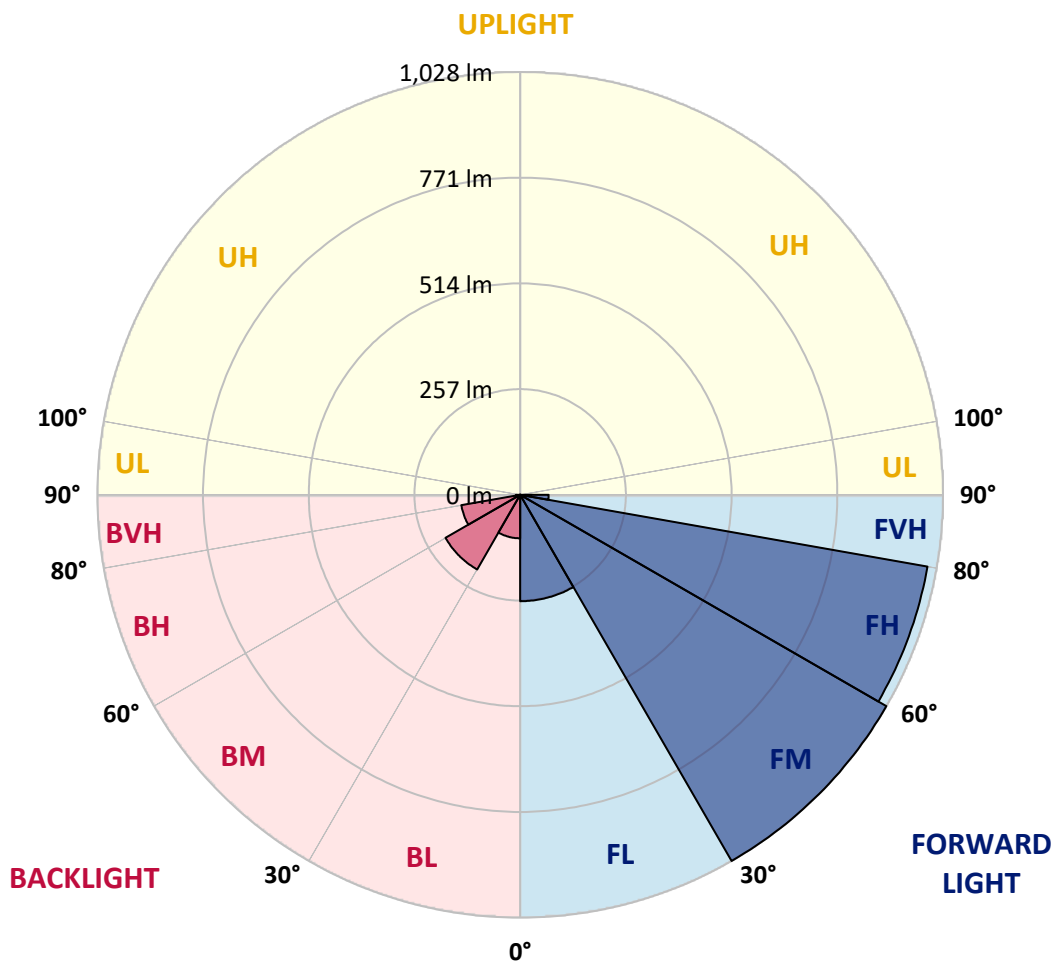
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	258.7	9.1			
FM	(30°-60°)	1027.6	36.3			
FH	(60°-80°)	1005.2	35.5			G1/1800
FVH	(80°-90°)	69.2	2.4			G1/100
BL	(0°-30°)	105.7	3.7	B0/110		
BM	(30°-60°)	209.6	7.4	B0/220		
BH	(60°-80°)	145.3	5.1	B1/500		G1/500
BVH	(80°-90°)	10.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-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°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	831.8	825.1	811.6	784.7	756.7	729.9	725.3	715.2	716.4	710.8	708.5
5°	804.9	796.0	767.9	711.9	663.7	614.4	610.9	590.7	593.0	580.8	573.9
7.5°	745.5	733.2	701.8	624.4	557.2	492.1	485.4	461.9	458.6	446.2	436.0
10°	687.2	674.9	635.6	547.1	469.7	421.6	413.7	402.4	393.5	387.9	377.7
12.5°	650.2	643.5	596.4	494.3	433.8	394.6	384.6	373.3	364.4	354.2	344.2
15°	642.4	628.9	580.8	477.6	406.9	358.7	346.4	334.1	324.0	313.9	299.3
17.5°	663.7	650.2	596.4	469.7	376.7	318.4	302.7	285.9	275.8	263.5	247.8
20°	714.2	692.9	626.7	458.6	344.2	271.3	252.2	232.0	220.8	199.5	188.4
22.5°	794.8	767.9	678.2	458.6	313.9	222.0	200.7	182.7	170.4	151.4	139.0
25°	910.3	886.8	762.3	470.8	287.0	180.5	159.2	141.2	129.0	115.4	107.7
27.5°	1017.9	980.9	852.0	488.8	265.7	151.4	130.1	115.4	106.4	99.8	95.3
30°	1098.5	1068.4	930.5	501.2	234.3	126.8	113.3	104.2	99.8	96.4	94.1
32.5°	1172.6	1137.8	986.5	509.0	215.2	107.7	95.3	88.6	84.1	79.6	78.5
35°	1251.1	1217.5	1052.6	507.8	202.8	98.6	86.2	78.5	74.0	72.9	70.7
37.5°	1359.9	1314.0	1128.9	507.8	198.4	95.3	80.7	72.9	69.5	67.2	66.1
40°	1465.1	1413.7	1213.0	511.1	193.9	93.1	80.7	72.9	67.2	64.9	62.8
42.5°	1563.9	1506.6	1289.2	516.9	191.7	86.2	76.3	71.8	69.5	64.9	61.6
45°	1639.0	1594.1	1348.6	528.0	191.7	81.8	71.8	68.5	67.2	67.2	66.1
47.5°	1711.8	1661.3	1417.0	549.3	195.0	78.5	68.5	63.9	63.9	63.9	64.9
50°	1806.0	1746.6	1511.2	593.0	195.0	77.3	64.9	60.5	59.4	61.6	61.6
52.5°	1933.8	1891.2	1649.1	655.9	192.9	76.3	63.9	57.2	56.1	57.2	59.4
55°	2114.3	2066.1	1816.1	733.2	190.6	74.0	61.6	56.1	53.8	52.7	53.8
57.5°	2270.1	2228.7	1969.6	794.8	185.1	68.5	59.4	55.0	51.6	50.5	49.4
60°	2338.5	2303.7	2068.3	836.3	174.9	62.8	56.1	52.7	49.4	48.1	47.1
62.5°	2349.7	2305.9	2069.4	845.2	163.7	57.2	52.7	49.4	47.1	45.9	44.8
65°	2305.9	2256.6	1987.6	790.3	154.7	57.2	50.5	47.1	43.7	42.6	41.5
67.5°	2207.3	2131.0	1780.2	670.3	146.9	58.3	49.4	43.7	41.5	40.3	39.3
70°	1969.6	1884.5	1503.3	532.4	143.5	59.4	49.4	41.5	38.1	37.0	37.0
72.5°	1578.4	1480.9	1172.6	401.4	137.9	60.5	48.1	39.3	35.9	33.7	33.7
75°	1068.4	983.1	794.8	271.3	114.4	52.7	43.7	35.9	31.4	29.1	28.0
77.5°	595.3	567.3	505.6	143.5	72.9	39.3	33.7	29.1	25.8	24.6	23.5
80°	349.8	335.2	298.1	79.6	44.8	22.4	20.2	19.0	16.8	16.8	16.8
82.5°	214.2	199.5	185.1	35.9	21.3	11.2	11.2	8.9	8.9	7.8	7.8
85°	58.3	53.8	75.1	7.8	2.2	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°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	699.5	697.3	697.3	680.5	680.5	671.6	669.2	669.2	672.7	670.3	656.9
5°	562.8	556.1	551.6	531.3	525.8	515.6	511.1	510.1	513.4	507.8	489.8
7.5°	423.7	418.1	411.4	395.7	389.0	387.9	374.4	371.1	368.8	364.4	353.1
10°	369.9	362.1	356.4	345.3	337.4	331.8	320.7	315.0	310.5	303.8	300.4
12.5°	332.9	325.1	317.2	302.7	292.6	285.9	279.1	268.0	263.5	255.6	251.2
15°	287.0	278.0	269.0	253.3	239.8	233.2	219.7	213.0	208.5	199.5	195.0
17.5°	231.0	218.6	208.5	193.9	187.2	176.0	168.2	156.9	148.0	144.5	141.2
20°	173.7	162.5	153.6	141.2	134.6	125.5	121.1	113.3	108.8	106.4	104.2
22.5°	127.8	118.8	113.3	106.4	103.1	99.8	97.6	95.3	93.1	92.0	92.0
25°	100.9	97.6	95.3	93.1	92.0	90.8	88.6	87.5	86.2	85.2	85.2
27.5°	92.0	89.7	88.6	87.5	86.2	84.1	84.1	81.8	80.7	80.7	79.6
30°	93.1	93.1	93.1	90.8	89.7	87.5	86.2	82.9	80.7	78.5	77.3
32.5°	76.3	76.3	75.1	72.9	71.8	70.7	70.7	68.5	67.2	67.2	69.5
35°	69.5	68.5	67.2	64.9	63.9	61.6	60.5	59.4	58.3	57.2	57.2
37.5°	66.1	64.9	63.9	61.6	60.5	59.4	58.3	56.1	55.0	55.0	53.8
40°	62.8	62.8	62.8	60.5	59.4	57.2	56.1	55.0	53.8	52.7	52.7
42.5°	60.5	60.5	60.5	59.4	58.3	57.2	55.0	53.8	52.7	51.6	50.5
45°	61.6	60.5	60.5	59.4	58.3	56.1	55.0	52.7	51.6	50.5	49.4
47.5°	66.1	64.9	62.8	60.5	58.3	56.1	53.8	51.6	50.5	49.4	48.1
50°	62.8	67.2	68.5	64.9	59.4	56.1	53.8	51.6	49.4	48.1	47.1
52.5°	61.6	62.8	67.2	67.2	61.6	57.2	53.8	51.6	49.4	47.1	45.9
55°	56.1	59.4	60.5	61.6	60.5	56.1	52.7	49.4	48.1	45.9	43.7
57.5°	49.4	51.6	52.7	55.0	56.1	55.0	50.5	47.1	45.9	43.7	41.5
60°	45.9	45.9	45.9	47.1	52.7	57.2	52.7	45.9	42.6	41.5	39.3
62.5°	42.6	42.6	41.5	42.6	43.7	49.4	48.1	43.7	41.5	40.3	38.1
65°	41.5	40.3	39.3	39.3	39.3	39.3	39.3	39.3	38.1	38.1	37.0
67.5°	38.1	37.0	37.0	35.9	35.9	35.9	35.9	35.9	34.8	34.8	33.7
70°	35.9	34.8	33.7	33.7	33.7	32.5	32.5	32.5	31.4	31.4	31.4
72.5°	32.5	31.4	31.4	31.4	30.3	30.3	30.3	29.1	29.1	28.0	28.0
75°	28.0	28.0	26.9	26.9	26.9	25.8	25.8	25.8	25.8	24.6	24.6
77.5°	23.5	22.4	23.5	22.4	22.4	22.4	22.4	22.4	21.3	21.3	20.2
80°	15.7	15.7	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	15.7
82.5°	8.9	7.8	8.9	8.9	8.9	10.2	10.2	11.2	10.2	10.2	8.9
85°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2	2.2	2.2	2.2
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):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	663.7	662.5	651.3	653.6	650.2	643.5	644.6	645.7	647.9	643.5	641.2
5°	498.9	500.0	485.4	489.8	486.5	485.4	488.8	494.3	497.8	496.7	493.3
7.5°	354.2	355.4	343.1	342.0	338.5	337.4	342.0	347.6	350.9	349.8	350.9
10°	292.6	289.3	278.0	270.2	262.3	255.6	254.5	254.5	254.5	252.2	250.0
12.5°	242.1	238.8	225.4	218.6	211.9	202.8	201.8	200.7	197.3	193.9	189.5
15°	188.4	185.1	173.7	169.3	163.7	160.3	159.2	159.2	156.9	154.7	152.4
17.5°	136.7	134.6	127.8	123.2	122.2	123.2	124.4	126.8	127.8	129.0	129.0
20°	103.1	102.0	99.8	99.8	100.9	104.2	105.4	108.8	109.9	112.1	114.4
22.5°	90.8	90.8	89.7	89.7	92.0	95.3	97.6	98.6	99.8	100.9	100.9
25°	84.1	84.1	82.9	85.2	88.6	88.6	88.6	88.6	86.2	85.2	85.2
27.5°	79.6	79.6	79.6	80.7	79.6	78.5	78.5	78.5	77.3	77.3	76.3
30°	76.3	76.3	76.3	75.1	75.1	74.0	74.0	72.9	72.9	71.8	71.8
32.5°	70.7	68.5	70.7	68.5	68.5	67.2	68.5	68.5	66.1	66.1	66.1
35°	56.1	55.0	55.0	55.0	53.8	55.0	57.2	57.2	57.2	57.2	57.2
37.5°	52.7	52.7	51.6	50.5	50.5	49.4	50.5	49.4	49.4	49.4	50.5
40°	51.6	50.5	49.4	49.4	48.1	47.1	47.1	47.1	47.1	47.1	47.1
42.5°	49.4	49.4	47.1	45.9	45.9	44.8	44.8	44.8	44.8	44.8	44.8
45°	48.1	47.1	45.9	44.8	43.7	43.7	43.7	43.7	43.7	43.7	42.6
47.5°	47.1	45.9	44.8	43.7	42.6	41.5	41.5	41.5	41.5	41.5	41.5
50°	45.9	44.8	42.6	42.6	41.5	40.3	40.3	40.3	40.3	40.3	40.3
52.5°	43.7	43.7	41.5	40.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
55°	41.5	41.5	39.3	38.1	37.0	37.0	37.0	37.0	38.1	38.1	38.1
57.5°	40.3	39.3	37.0	37.0	34.8	34.8	34.8	35.9	35.9	37.0	37.0
60°	38.1	37.0	35.9	34.8	34.8	33.7	33.7	33.7	33.7	34.8	34.8
62.5°	37.0	35.9	33.7	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
65°	34.8	34.8	32.5	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
67.5°	32.5	32.5	30.3	29.1	29.1	29.1	30.3	29.1	29.1	29.1	29.1
70°	30.3	29.1	28.0	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
72.5°	26.9	26.9	25.8	24.6	24.6	24.6	24.6	24.6	24.6	24.6	25.8
75°	23.5	22.4	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
77.5°	20.2	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	19.0
80°	14.6	13.5	13.5	13.5	13.5	14.6	14.6	14.6	14.6	14.6	14.6
82.5°	8.9	7.8	7.8	7.8	8.9	10.2	10.2	10.2	10.2	11.2	11.2
85°	2.2	2.2	2.2	2.2	4.5	5.6	5.6	5.6	6.7	5.6	5.6
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):

	115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	639.1	652.5	652.5	643.5	647.9	643.5	642.4	650.2	654.7	669.2	678.2
5°	494.3	511.1	512.3	507.8	513.4	510.1	513.4	523.5	531.3	541.5	550.4
7.5°	353.1	368.8	372.2	368.8	378.9	377.7	380.1	391.2	397.9	403.6	404.7
10°	248.9	251.2	260.1	257.8	264.6	263.5	266.8	275.8	284.8	288.1	290.3
12.5°	187.2	185.1	188.4	183.8	187.2	187.2	188.4	193.9	205.2	209.7	220.8
15°	151.4	149.1	149.1	146.9	146.9	145.7	146.9	151.4	159.2	165.8	174.9
17.5°	129.0	129.0	129.0	127.8	126.8	126.8	127.8	130.1	134.6	139.0	143.5
20°	115.4	117.7	118.8	119.9	121.1	122.2	123.2	126.8	125.5	121.1	115.4
22.5°	100.9	100.9	102.0	102.0	100.9	100.9	100.9	100.9	100.9	104.2	107.7
25°	84.1	84.1	84.1	85.2	84.1	84.1	85.2	85.2	86.2	88.6	92.0
27.5°	76.3	76.3	76.3	76.3	76.3	76.3	76.3	77.3	78.5	81.8	84.1
30°	70.7	70.7	69.5	69.5	69.5	68.5	69.5	69.5	70.7	75.1	78.5
32.5°	64.9	63.9	63.9	63.9	62.8	62.8	62.8	64.9	66.1	68.5	71.8
35°	57.2	57.2	57.2	58.3	58.3	58.3	58.3	60.5	60.5	61.6	61.6
37.5°	51.6	51.6	52.7	53.8	53.8	55.0	55.0	56.1	57.2	56.1	55.0
40°	47.1	48.1	48.1	50.5	50.5	50.5	51.6	52.7	53.8	51.6	51.6
42.5°	44.8	44.8	44.8	45.9	45.9	45.9	47.1	48.1	49.4	49.4	49.4
45°	42.6	42.6	42.6	43.7	42.6	42.6	42.6	43.7	45.9	45.9	47.1
47.5°	41.5	41.5	41.5	40.3	40.3	40.3	40.3	41.5	42.6	44.8	45.9
50°	40.3	39.3	39.3	39.3	39.3	39.3	39.3	40.3	41.5	42.6	44.8
52.5°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	39.3	40.3	41.5	42.6
55°	38.1	38.1	37.0	37.0	38.1	38.1	38.1	39.3	40.3	41.5	41.5
57.5°	37.0	35.9	35.9	37.0	37.0	37.0	37.0	38.1	39.3	40.3	40.3
60°	34.8	34.8	34.8	34.8	35.9	35.9	37.0	38.1	38.1	39.3	39.3
62.5°	32.5	33.7	33.7	33.7	34.8	34.8	35.9	37.0	38.1	39.3	38.1
65°	31.4	32.5	32.5	32.5	33.7	33.7	33.7	35.9	37.0	37.0	38.1
67.5°	30.3	30.3	30.3	31.4	31.4	32.5	32.5	34.8	34.8	35.9	37.0
70°	28.0	28.0	28.0	29.1	29.1	30.3	31.4	32.5	32.5	33.7	34.8
72.5°	25.8	25.8	25.8	26.9	26.9	28.0	29.1	31.4	30.3	31.4	31.4
75°	22.4	22.4	23.5	23.5	24.6	25.8	26.9	26.9	26.9	26.9	26.9
77.5°	19.0	19.0	20.2	20.2	21.3	22.4	22.4	22.4	23.5	22.4	22.4
80°	15.7	15.7	16.8	16.8	16.8	16.8	18.0	16.8	18.0	16.8	18.0
82.5°	11.2	11.2	12.4	11.2	12.4	11.2	11.2	10.2	12.4	11.2	11.2
85°	4.5	5.6	5.6	5.6	5.6	4.5	4.5	3.3	4.5	4.5	3.3
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



REPORT NUMBER: P271516

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CANDELA DISTRIBUTION (continued):

	175°	180°	185°	195°	205°	215°	225°	230°	235°	240°	245°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	681.6	680.5	697.3	709.6	717.5	747.7	761.1	778.0	785.8	797.1	808.3
5°	551.6	549.3	569.4	585.2	598.6	642.4	668.1	691.7	710.8	728.6	754.5
7.5°	394.6	390.1	403.6	417.0	435.0	482.0	526.9	558.3	586.3	616.6	650.2
10°	291.5	294.8	308.3	328.5	352.0	387.9	423.7	446.2	470.8	504.5	544.8
12.5°	233.2	246.7	257.8	282.4	310.5	350.9	389.0	406.9	424.9	441.7	463.0
15°	187.2	195.0	204.1	227.6	261.1	308.3	353.1	373.3	394.6	414.7	433.8
17.5°	144.5	148.0	152.4	169.3	199.5	255.6	305.0	330.7	355.4	383.4	409.2
20°	115.4	115.4	116.6	124.4	145.7	189.5	250.0	282.4	313.9	349.8	386.8
22.5°	100.9	99.8	100.9	104.2	114.4	140.1	195.0	233.2	273.5	318.4	364.4
25°	95.3	94.1	93.1	95.3	100.9	113.3	152.4	192.9	234.3	288.1	344.2
27.5°	86.2	87.5	88.6	90.8	95.3	102.0	126.8	156.9	202.8	262.3	329.6
30°	80.7	81.8	82.9	85.2	93.1	100.9	115.4	134.6	173.7	232.0	307.2
32.5°	74.0	75.1	76.3	77.3	79.6	88.6	98.6	114.4	148.0	205.2	283.7
35°	60.5	60.5	61.6	64.9	69.5	78.5	88.6	100.9	132.3	187.2	269.0
37.5°	56.1	56.1	57.2	60.5	64.9	72.9	81.8	93.1	125.5	180.5	255.6
40°	52.7	53.8	53.8	57.2	61.6	70.7	76.3	89.7	122.2	170.4	242.1
42.5°	50.5	50.5	51.6	55.0	60.5	67.2	75.1	87.5	113.3	161.4	234.3
45°	48.1	49.4	49.4	52.7	59.4	64.9	76.3	82.9	107.7	154.7	227.6
47.5°	47.1	47.1	48.1	51.6	58.3	66.1	74.0	78.5	102.0	149.1	222.0
50°	44.8	45.9	47.1	50.5	57.2	72.9	70.7	75.1	97.6	144.5	218.6
52.5°	43.7	44.8	45.9	49.4	57.2	74.0	68.5	70.7	94.1	140.1	216.3
55°	42.6	42.6	43.7	48.1	57.2	68.5	63.9	68.5	87.5	133.4	210.7
57.5°	40.3	41.5	42.6	45.9	56.1	62.8	60.5	64.9	80.7	122.2	202.8
60°	40.3	40.3	41.5	44.8	56.1	56.1	57.2	61.6	72.9	108.8	189.5
62.5°	39.3	39.3	40.3	44.8	57.2	50.5	53.8	58.3	67.2	97.6	172.7
65°	38.1	38.1	39.3	42.6	49.4	48.1	51.6	55.0	64.9	89.7	158.0
67.5°	35.9	35.9	37.0	40.3	43.7	44.8	49.4	52.7	63.9	88.6	144.5
70°	33.7	33.7	33.7	37.0	39.3	42.6	45.9	50.5	63.9	87.5	134.6
72.5°	31.4	30.3	31.4	33.7	35.9	38.1	41.5	47.1	62.8	88.6	130.1
75°	26.9	26.9	26.9	29.1	31.4	33.7	37.0	43.7	59.4	82.9	116.6
77.5°	22.4	22.4	21.3	24.6	26.9	28.0	31.4	38.1	51.6	70.7	94.1
80°	16.8	15.7	15.7	19.0	20.2	22.4	24.6	29.1	40.3	51.6	69.5
82.5°	10.2	8.9	8.9	12.4	13.5	14.6	19.0	21.3	26.9	33.7	47.1
85°	3.3	3.3	3.3	5.6	6.7	7.8	11.2	12.4	16.8	21.3	24.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	3.3	5.6	6.7	5.6
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°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	0°
2.5°	821.7	833.0	847.6	860.9	871.1	880.0	891.2	891.2	904.8	909.2	918.2	2.5°
5°	774.7	796.0	827.2	853.1	884.5	914.7	942.8	958.5	985.4	1003.4	1021.2	5°
7.5°	679.4	708.5	747.7	783.6	829.6	878.9	924.9	967.5	1012.3	1050.4	1078.4	7.5°
10°	579.6	619.9	661.4	707.3	756.7	809.5	865.4	922.6	976.5	1030.3	1076.2	10°
12.5°	497.8	543.7	590.7	647.9	705.1	761.1	827.2	876.7	932.7	986.5	1031.3	12.5°
15°	463.0	503.3	558.3	621.1	681.6	738.8	800.4	850.9	903.5	947.4	978.6	15°
17.5°	448.4	500.0	562.8	628.9	693.9	763.4	818.4	860.9	900.2	920.3	924.9	17.5°
20°	432.7	503.3	587.4	668.1	747.7	820.6	860.9	889.1	895.7	894.6	877.7	20°
22.5°	423.7	514.5	618.8	732.1	831.8	917.0	945.1	939.4	911.4	875.6	847.6	22.5°
25°	421.6	540.3	672.7	822.8	945.1	1030.3	1046.0	1014.5	951.8	882.2	835.2	25°
27.5°	423.7	569.4	739.8	920.3	1063.9	1151.3	1145.7	1098.5	1009.0	911.4	836.3	27.5°
30°	413.7	599.8	807.1	1005.6	1147.9	1220.8	1198.4	1127.7	1028.0	930.5	850.9	30°
32.5°	396.8	622.2	866.5	1073.9	1235.3	1290.3	1249.9	1173.7	1070.6	970.8	889.1	32.5°
35°	377.7	632.2	909.2	1137.8	1329.5	1358.7	1293.6	1216.3	1122.2	1021.2	932.7	35°
37.5°	357.6	633.3	949.5	1205.2	1420.4	1432.7	1338.6	1255.7	1163.7	1072.8	992.1	37.5°
40°	346.4	628.9	991.0	1288.1	1517.9	1501.1	1385.6	1288.1	1197.4	1127.7	1061.7	40°
42.5°	342.0	621.1	1021.2	1350.8	1601.9	1564.9	1429.3	1320.6	1238.8	1180.5	1134.5	42.5°
45°	342.0	613.3	1049.3	1397.9	1664.8	1616.5	1470.9	1351.9	1279.1	1243.3	1220.8	45°
47.5°	343.1	616.6	1083.0	1474.2	1718.5	1665.9	1503.3	1397.9	1335.2	1321.7	1329.5	47.5°
50°	348.6	654.7	1140.1	1558.2	1785.8	1718.5	1547.0	1449.5	1411.3	1424.8	1469.6	50°
52.5°	357.6	715.2	1238.8	1658.0	1890.0	1802.6	1619.9	1523.4	1505.6	1553.8	1639.0	52.5°
55°	366.6	776.9	1367.7	1825.1	2058.3	1955.1	1748.8	1652.4	1631.1	1705.2	1827.3	55°
57.5°	374.4	822.8	1493.3	1990.9	2204.0	2125.5	1919.2	1802.6	1793.6	1873.2	2006.6	57.5°
60°	382.3	858.7	1566.0	2064.9	2270.1	2262.2	2095.3	1987.6	1974.1	2048.1	2174.9	60°
62.5°	377.7	845.2	1586.2	2027.9	2264.4	2329.6	2238.8	2162.5	2116.6	2178.2	2301.5	62.5°
65°	361.0	774.7	1522.4	1900.2	2182.7	2289.2	2297.1	2279.1	2196.2	2200.6	2288.1	65°
67.5°	315.0	651.3	1326.2	1698.3	2022.4	2149.0	2281.3	2275.8	2170.3	2077.3	2095.3	67.5°
70°	261.1	511.1	1081.8	1446.1	1794.8	1903.5	2114.3	2156.9	2006.6	1832.9	1751.1	70°
72.5°	219.7	382.3	831.8	1120.0	1438.3	1564.9	1877.7	1937.1	1732.0	1487.6	1360.9	72.5°
75°	182.7	270.2	585.2	771.3	992.1	1159.2	1639.0	1644.5	1405.8	1170.4	1033.6	75°
77.5°	135.6	183.8	423.7	539.3	681.6	825.1	1325.1	1339.6	1115.4	887.9	770.2	77.5°
80°	90.8	113.3	270.2	376.7	458.6	552.6	972.0	910.3	736.5	615.5	585.2	80°
82.5°	55.0	66.1	155.9	263.5	289.3	344.2	610.9	570.6	485.4	443.9	455.1	82.5°
85°	30.3	41.5	95.3	172.7	134.6	188.4	334.1	326.3	306.1	268.0	233.2	85°
87.5°	7.8	8.9	21.3	7.8	3.3	10.2	64.9	42.6	42.6	24.6	8.9	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°
783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	0°	783.6
910.3	913.7	912.5	904.8	884.5	876.7	873.3	864.3	854.3	854.3	845.2	2.5°	843.0
1020.1	1025.8	1019.0	999.9	948.4	923.7	909.2	891.2	876.7	863.2	849.8	5°	830.8
1097.5	1102.0	1090.8	1047.1	955.1	913.7	891.2	869.9	852.0	828.5	807.1	7.5°	788.2
1112.1	1122.2	1109.9	1047.1	940.5	889.1	864.3	840.7	815.0	790.3	760.1	10°	736.5
1070.6	1091.9	1083.0	1036.9	933.8	878.9	849.8	821.7	790.3	764.5	729.9	12.5°	707.3
1006.7	1009.0	1014.5	1013.4	921.5	867.8	838.6	809.5	781.3	756.7	726.4	15°	698.4
936.0	933.8	940.5	961.8	918.2	875.6	856.4	828.5	808.3	780.3	756.7	17.5°	725.3
872.2	868.8	875.6	896.9	904.8	894.6	886.8	869.9	854.3	836.3	817.3	20°	786.9
831.8	820.6	819.4	850.9	911.4	938.3	943.8	941.6	940.5	927.1	913.7	22.5°	878.9
809.5	797.1	802.6	838.6	939.4	989.9	1015.6	1024.7	1036.9	1036.9	1036.9	25°	1003.4
802.6	789.3	797.1	837.4	968.6	1052.6	1089.6	1112.1	1135.5	1145.7	1152.4	27.5°	1131.1
807.1	793.7	797.1	845.2	983.1	1067.3	1110.9	1143.5	1180.5	1205.2	1222.0	30°	1205.2
833.0	809.5	807.1	868.8	1010.1	1099.7	1145.7	1182.7	1224.2	1252.1	1282.5	32.5°	1280.3
867.8	834.1	829.6	906.9	1044.8	1141.3	1187.2	1219.7	1262.3	1300.4	1344.1	35°	1359.9
926.1	884.5	877.7	970.8	1091.9	1176.0	1222.0	1264.5	1310.4	1359.9	1415.9	37.5°	1452.9
1004.5	962.9	962.9	1052.6	1155.8	1224.2	1274.7	1319.5	1369.9	1436.1	1504.4	40°	1563.9
1093.0	1066.1	1070.6	1151.3	1228.6	1284.8	1332.9	1381.1	1433.9	1500.0	1579.6	42.5°	1655.8
1210.7	1196.1	1218.6	1275.8	1302.6	1340.8	1383.4	1426.0	1483.1	1551.6	1642.3	45°	1723.1
1348.6	1360.9	1392.4	1410.2	1377.8	1397.9	1431.6	1470.9	1538.1	1607.6	1697.3	47.5°	1784.8
1521.3	1553.8	1584.0	1579.6	1470.9	1464.1	1495.5	1525.7	1593.1	1672.6	1767.9	50°	1862.1
1719.6	1762.3	1783.6	1758.9	1575.1	1535.8	1561.6	1603.0	1677.0	1767.9	1874.3	52.5°	1966.3
1921.5	1973.0	1966.3	1938.4	1688.3	1635.6	1651.4	1700.6	1791.4	1894.5	2029.1	55°	2119.9
2104.2	2144.5	2162.5	2101.9	1826.2	1756.6	1774.6	1826.2	1922.6	2038.1	2176.0	57.5°	2265.6
2248.7	2292.6	2292.6	2233.2	1976.5	1895.6	1926.0	1976.5	2059.4	2173.7	2302.6	60°	2380.0
2354.2	2389.0	2376.6	2319.4	2105.3	2043.6	2067.2	2136.7	2211.8	2297.1	2399.0	62.5°	2438.3
2346.4	2349.7	2336.2	2314.9	2182.7	2176.0	2220.8	2274.6	2337.4	2369.9	2427.0	65°	2441.6
2125.5	2126.6	2153.6	2144.5	2124.4	2207.3	2265.6	2310.5	2365.3	2365.3	2358.7	67.5°	2365.3
1742.2	1760.0	1806.0	1792.6	1895.6	2066.1	2133.4	2201.7	2250.0	2250.0	2192.8	70°	2160.2
1326.2	1337.4	1392.4	1380.0	1520.1	1707.4	1855.3	1969.6	2016.8	2045.9	1973.0	72.5°	1814.9
965.2	964.2	987.7	969.7	1146.9	1355.4	1507.9	1650.2	1727.5	1752.1	1619.9	75°	1330.7
743.3	723.0	718.6	720.8	812.8	985.4	1106.4	1197.4	1207.3	1210.7	1032.5	77.5°	806.0
599.8	599.8	593.0	568.4	497.8	576.3	637.9	709.6	735.4	772.5	618.8	80°	454.0
478.7	459.7	426.0	377.7	319.4	340.7	369.9	396.8	440.6	456.2	376.7	82.5°	257.8
238.8	232.0	202.8	168.2	140.1	186.1	207.4	209.7	209.7	193.9	158.0	85°	105.4
1.1	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

'271516
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TION (continued):

359°	360°
783.6	783.6
829.6	831.8
811.6	804.9
755.6	745.5
695.1	687.2
660.3	650.2
653.6	642.4
677.1	663.7
729.9	714.2
813.9	794.8
929.4	910.3
1042.6	1017.9
1123.3	1098.5
1201.8	1172.6
1280.3	1251.1
1385.6	1359.9
1502.1	1465.1
1598.6	1563.9
1674.8	1639.0
1747.7	1711.8
1830.7	1806.0
1955.1	1933.8
2144.5	2114.3
2283.5	2270.1
2355.3	2338.5
2377.7	2349.7
2348.6	2305.9
2256.6	2207.3
2034.8	1969.6
1622.2	1578.4
1094.1	1068.4
628.9	595.3
361.0	349.8
202.8	214.2
52.7	58.3
0.0	0.0
0.0	0.0

(END OF REPORT)