

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: P271526

Luminaire Tested: **ISS-AF-800-LED-E1-SLR-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271526
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-800-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: 3545.1 lumens
Efficiency: N/A
Efficacy: 81.5 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

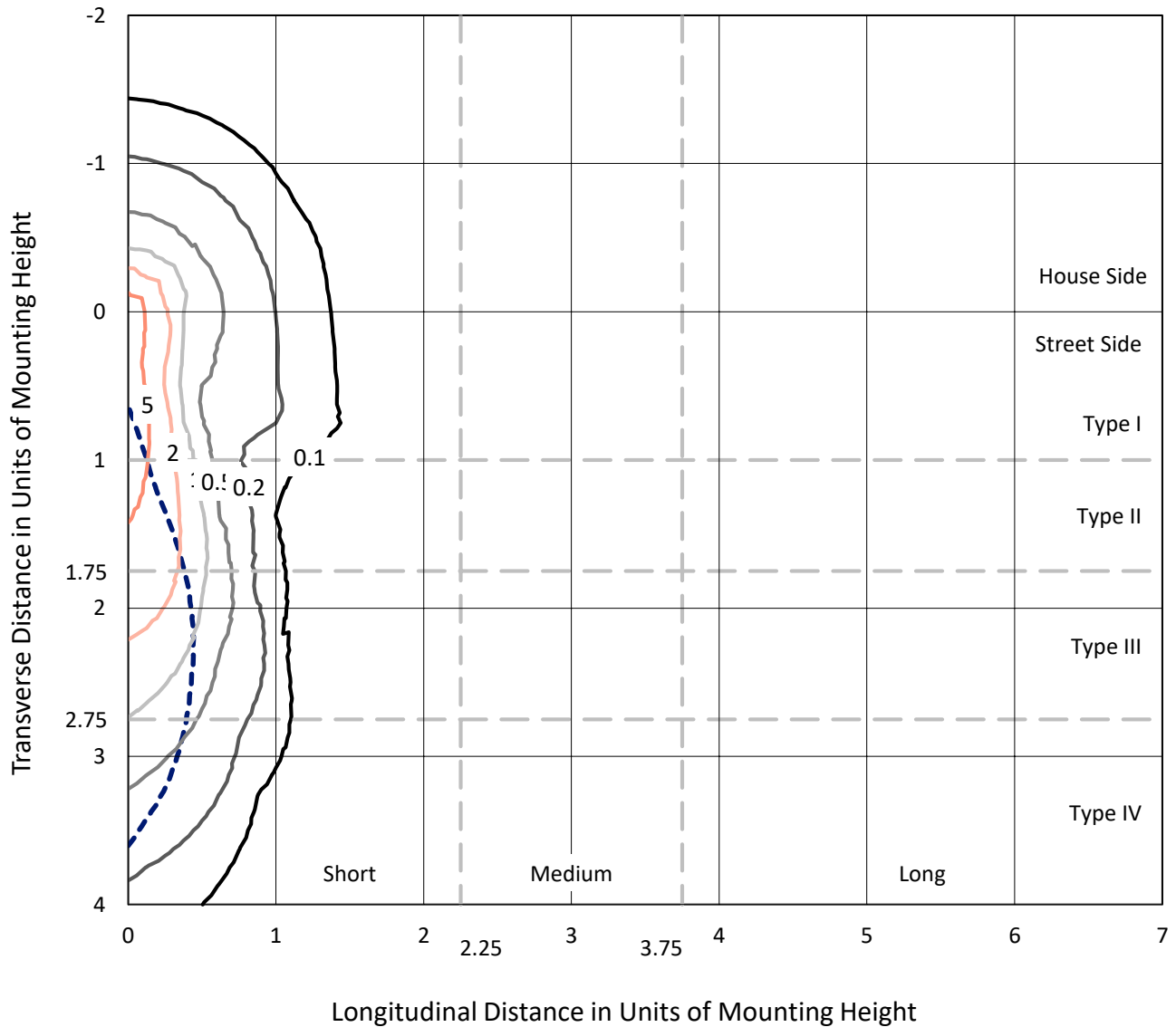
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

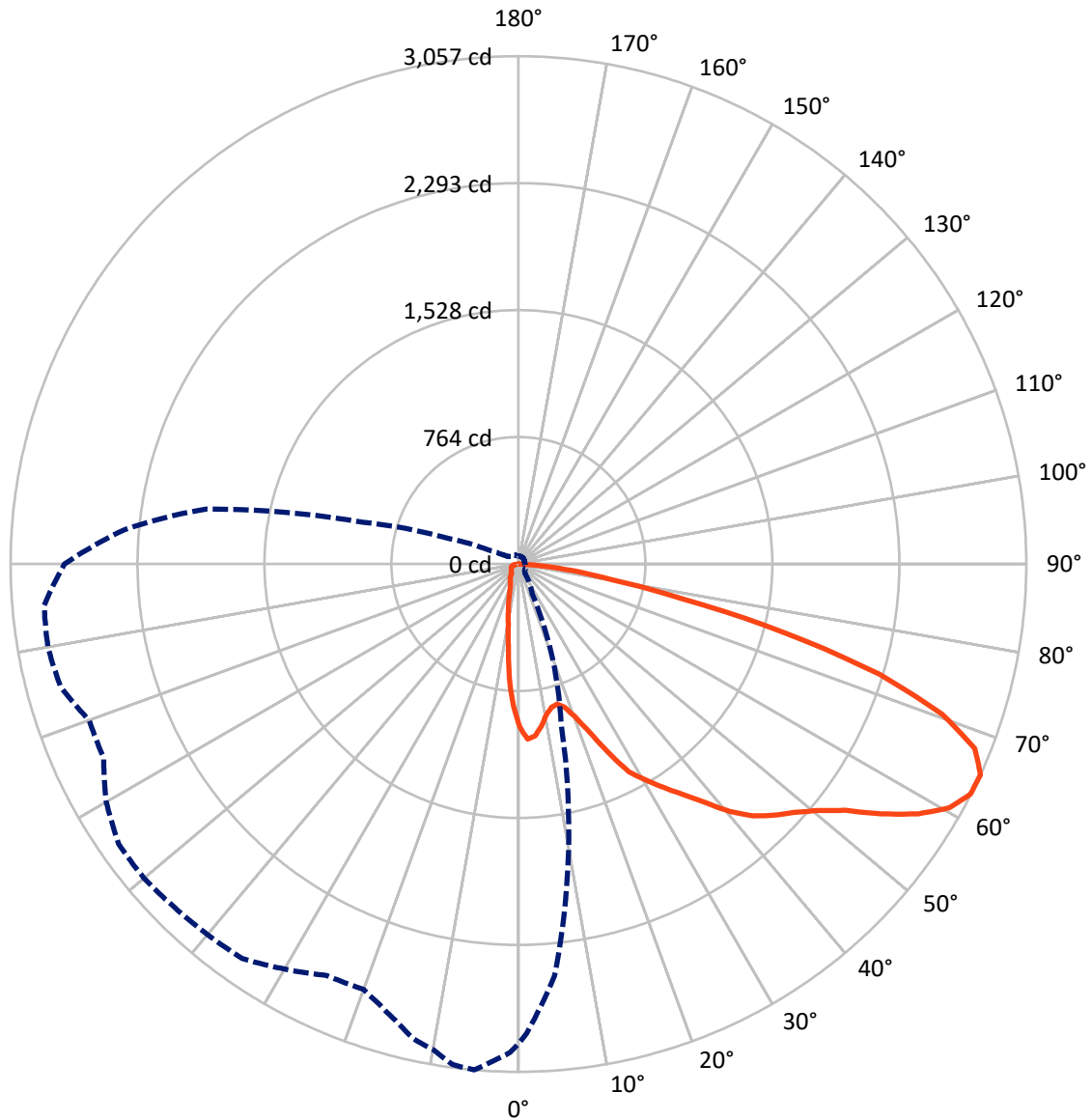
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 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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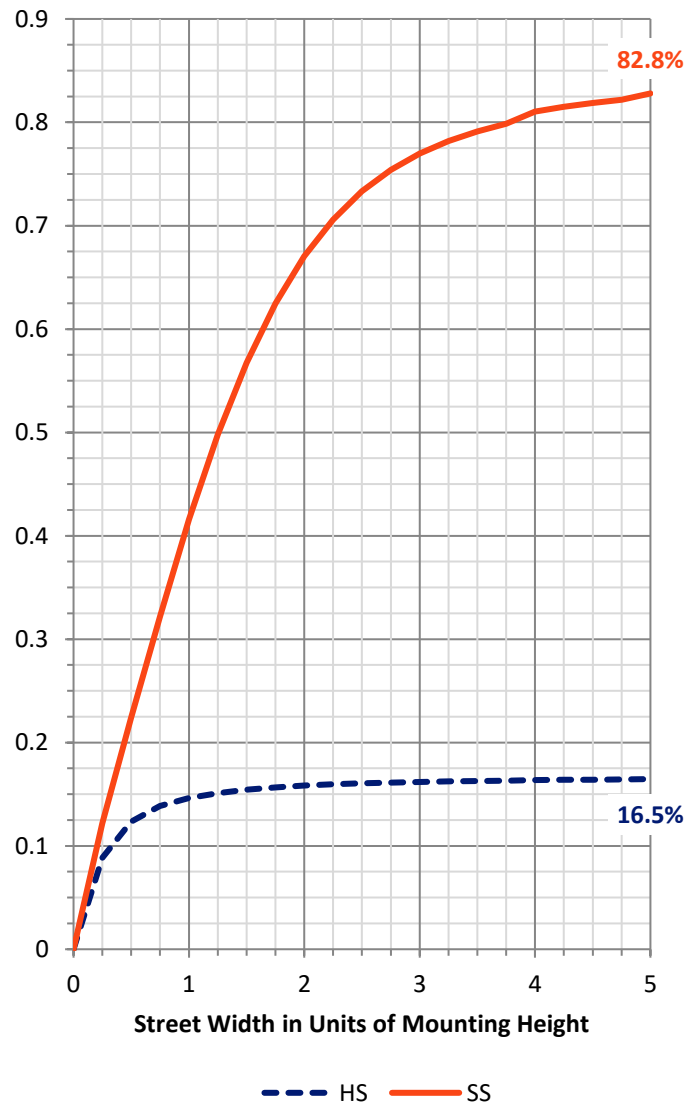
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	589.5	0.0	589.5
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	2955.6	0.0	2955.6
	% Fixture	83.4	0.0	83.4
Total	Lumens	3545.1	0.0	3545.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.3	2.1
10°-20°	155.2	4.4
20°-30°	225.7	6.4
30°-40°	333.7	9.4
40°-50°	486.3	13.7
50°-60°	728.9	20.6
60°-70°	908.4	25.6
70°-80°	532.1	15.0
80°-90°	99.5	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°	3545.1	100.0
0°-180°	3545.1	100.0



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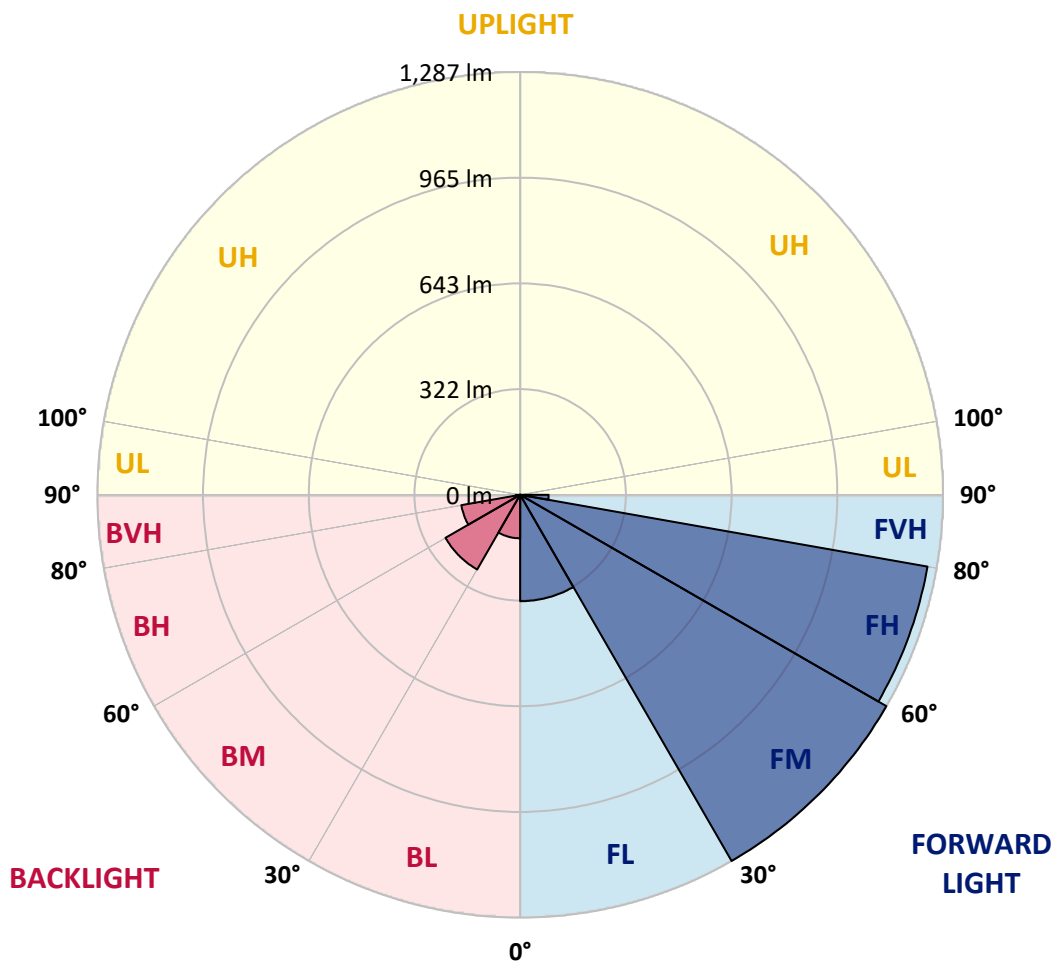
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	323.9	9.1			
FM	(30°-60°)	1286.6	36.3			
FH	(60°-80°)	1258.5	35.5			G1/1800
FVH	(80°-90°)	86.7	2.4			G1/100
BL	(0°-30°)	132.4	3.7	B1/500		
BM	(30°-60°)	262.4	7.4	B1/1000		
BH	(60°-80°)	181.9	5.1	B1/500		G1/500
BVH	(80°-90°)	12.8	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°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1
2.5°	1041.5	1033.1	1016.2	982.5	947.4	913.7	908.1	895.5	896.9	889.8	887.1
5°	1007.8	996.5	961.5	891.3	830.9	769.2	765.0	739.7	742.4	727.0	718.6
7.5°	933.4	917.9	878.6	781.7	697.5	616.1	607.7	578.3	574.1	558.6	546.0
10°	860.4	844.9	795.8	684.9	588.1	527.8	518.0	503.9	492.6	485.6	473.0
12.5°	814.0	805.6	746.7	618.9	543.1	494.1	481.4	467.4	456.2	443.5	430.8
15°	804.3	787.4	727.0	597.9	509.5	449.2	433.7	418.3	405.7	393.0	374.8
17.5°	830.9	814.0	746.7	588.1	471.6	398.6	378.9	358.0	345.3	329.9	310.2
20°	894.0	867.4	784.6	574.1	430.8	339.6	315.8	290.5	276.5	249.8	235.7
22.5°	995.1	961.5	849.2	574.1	393.0	277.8	251.3	228.8	213.3	189.5	174.0
25°	1139.7	1110.1	954.4	589.5	359.3	225.9	199.3	176.9	161.4	144.5	134.7
27.5°	1274.4	1228.2	1066.6	611.9	332.6	189.5	162.9	144.5	133.4	125.0	119.4
30°	1375.5	1337.6	1164.9	627.4	293.4	158.6	141.8	130.5	125.0	120.7	117.9
32.5°	1468.1	1424.6	1235.1	637.2	269.5	134.7	119.4	110.9	105.3	99.6	98.3
35°	1566.4	1524.2	1317.9	635.8	254.0	123.4	108.1	98.3	92.6	91.3	88.4
37.5°	1702.5	1645.0	1413.3	635.8	248.4	119.4	101.1	91.3	87.0	84.2	82.8
40°	1834.4	1769.9	1518.7	640.0	242.8	116.5	101.1	91.3	84.2	81.4	78.6
42.5°	1957.9	1886.4	1614.1	647.0	239.9	108.1	95.4	89.8	87.0	81.4	77.3
45°	2052.0	1995.9	1688.5	661.1	239.9	102.5	89.8	85.6	84.2	84.2	82.8
47.5°	2143.2	2080.0	1774.1	687.7	244.2	98.3	85.6	79.9	79.9	79.9	81.4
50°	2261.1	2186.7	1892.0	742.4	244.2	96.8	81.4	75.7	74.4	77.3	77.3
52.5°	2421.1	2367.8	2064.7	821.1	241.5	95.4	79.9	71.5	70.2	71.5	74.4
55°	2647.0	2586.7	2273.7	917.9	238.6	92.6	77.3	70.2	67.4	65.9	67.4
57.5°	2842.1	2790.2	2465.9	995.1	231.7	85.6	74.4	68.8	64.6	63.2	61.7
60°	2927.8	2884.3	2589.5	1047.1	219.0	78.6	70.2	65.9	61.7	60.4	59.0
62.5°	2941.8	2887.1	2590.9	1058.2	204.9	71.5	65.9	61.7	59.0	57.5	56.1
65°	2887.1	2825.3	2488.5	989.6	193.7	71.5	63.2	59.0	54.8	53.3	51.9
67.5°	2763.5	2668.1	2228.9	839.4	183.8	73.0	61.7	54.8	51.9	50.6	49.1
70°	2465.9	2359.4	1882.2	666.7	179.6	74.4	61.7	51.9	47.7	46.4	46.4
72.5°	1976.2	1854.1	1468.1	502.4	172.7	75.7	60.4	49.1	44.9	42.1	42.1
75°	1337.6	1230.9	995.1	339.6	143.2	65.9	54.8	44.9	39.3	36.5	35.1
77.5°	745.2	710.2	632.9	179.6	91.3	49.1	42.1	36.5	32.2	30.9	29.5
80°	437.9	419.7	373.3	99.6	56.1	28.0	25.2	23.9	21.1	21.1	21.1
82.5°	268.1	249.8	231.7	44.9	26.7	14.0	14.0	11.2	11.2	9.8	9.8
85°	73.0	67.4	94.1	9.8	2.9	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°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1
2.5°	875.8	873.1	873.1	852.0	852.0	840.7	837.8	837.8	842.1	839.4	822.5
5°	704.6	696.2	690.5	665.3	658.3	645.6	640.0	638.7	642.7	635.8	613.4
7.5°	530.4	523.5	515.1	495.4	487.0	485.6	468.7	464.5	461.8	456.2	442.1
10°	463.2	453.4	446.3	432.3	422.5	415.5	401.5	394.4	388.8	380.3	376.1
12.5°	416.8	407.0	397.2	378.9	366.3	358.0	349.5	335.4	329.9	320.0	314.4
15°	359.3	348.0	336.9	317.2	300.3	291.9	275.2	266.7	261.0	249.8	244.2
17.5°	289.2	273.7	261.0	242.8	234.4	220.4	210.6	196.5	185.3	181.1	176.9
20°	217.6	203.6	192.2	176.9	168.4	157.2	151.5	141.8	136.1	133.4	130.5
22.5°	160.0	148.8	141.8	133.4	129.2	125.0	122.1	119.4	116.5	115.2	115.2
25°	126.3	122.1	119.4	116.5	115.2	113.6	110.9	109.4	108.1	106.7	106.7
27.5°	115.2	112.3	110.9	109.4	108.1	105.3	105.3	102.5	101.1	101.1	99.6
30°	116.5	116.5	116.5	113.6	112.3	109.4	108.1	103.8	101.1	98.3	96.8
32.5°	95.4	95.4	94.1	91.3	89.8	88.4	88.4	85.6	84.2	84.2	87.0
35°	87.0	85.6	84.2	81.4	79.9	77.3	75.7	74.4	73.0	71.5	71.5
37.5°	82.8	81.4	79.9	77.3	75.7	74.4	73.0	70.2	68.8	68.8	67.4
40°	78.6	78.6	78.6	75.7	74.4	71.5	70.2	68.8	67.4	65.9	65.9
42.5°	75.7	75.7	75.7	74.4	73.0	71.5	68.8	67.4	65.9	64.6	63.2
45°	77.3	75.7	75.7	74.4	73.0	70.2	68.8	65.9	64.6	63.2	61.7
47.5°	82.8	81.4	78.6	75.7	73.0	70.2	67.4	64.6	63.2	61.7	60.4
50°	78.6	84.2	85.6	81.4	74.4	70.2	67.4	64.6	61.7	60.4	59.0
52.5°	77.3	78.6	84.2	84.2	77.3	71.5	67.4	64.6	61.7	59.0	57.5
55°	70.2	74.4	75.7	77.3	75.7	70.2	65.9	61.7	60.4	57.5	54.8
57.5°	61.7	64.6	65.9	68.8	70.2	68.8	63.2	59.0	57.5	54.8	51.9
60°	57.5	57.5	57.5	59.0	65.9	71.5	65.9	57.5	53.3	51.9	49.1
62.5°	53.3	53.3	51.9	53.3	54.8	61.7	60.4	54.8	51.9	50.6	47.7
65°	51.9	50.6	49.1	49.1	49.1	49.1	49.1	49.1	47.7	47.7	46.4
67.5°	47.7	46.4	46.4	44.9	44.9	44.9	44.9	44.9	43.5	43.5	42.1
70°	44.9	43.5	42.1	42.1	42.1	40.7	40.7	40.7	39.3	39.3	39.3
72.5°	40.7	39.3	39.3	39.3	37.9	37.9	37.9	36.5	36.5	35.1	35.1
75°	35.1	35.1	33.7	33.7	33.7	32.2	32.2	32.2	32.2	30.9	30.9
77.5°	29.5	28.0	29.5	28.0	28.0	28.0	28.0	28.0	26.7	26.7	25.2
80°	19.7	19.7	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	19.7
82.5°	11.2	9.8	11.2	11.2	11.2	12.7	12.7	14.0	12.7	12.7	11.2
85°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.9	2.9	2.9	2.9
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):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1
2.5°	830.9	829.5	815.4	818.3	814.0	805.6	807.0	808.5	811.3	805.6	802.8
5°	624.6	626.0	607.7	613.4	609.1	607.7	611.9	618.9	623.2	621.8	617.6
7.5°	443.5	444.9	429.5	428.1	423.9	422.5	428.1	435.0	439.3	437.9	439.3
10°	366.3	362.1	348.0	338.2	328.4	320.0	318.6	318.6	318.6	315.8	313.0
12.5°	303.2	299.0	282.1	273.7	265.3	254.0	252.6	251.3	247.0	242.8	237.2
15°	235.7	231.7	217.6	211.9	204.9	200.7	199.3	199.3	196.5	193.7	190.9
17.5°	171.3	168.4	160.0	154.4	153.0	154.4	155.8	158.6	160.0	161.4	161.4
20°	129.2	127.6	125.0	125.0	126.3	130.5	131.9	136.1	137.5	140.3	143.2
22.5°	113.6	113.6	112.3	112.3	115.2	119.4	122.1	123.4	125.0	126.3	126.3
25°	105.3	105.3	103.8	106.7	110.9	110.9	110.9	110.9	108.1	106.7	106.7
27.5°	99.6	99.6	99.6	101.1	99.6	98.3	98.3	98.3	96.8	96.8	95.4
30°	95.4	95.4	95.4	94.1	94.1	92.6	92.6	91.3	91.3	89.8	89.8
32.5°	88.4	85.6	88.4	85.6	85.6	84.2	85.6	85.6	82.8	82.8	82.8
35°	70.2	68.8	68.8	68.8	67.4	68.8	71.5	71.5	71.5	71.5	71.5
37.5°	65.9	65.9	64.6	63.2	63.2	61.7	63.2	61.7	61.7	61.7	63.2
40°	64.6	63.2	61.7	61.7	60.4	59.0	59.0	59.0	59.0	59.0	59.0
42.5°	61.7	61.7	59.0	57.5	57.5	56.1	56.1	56.1	56.1	56.1	56.1
45°	60.4	59.0	57.5	56.1	54.8	54.8	54.8	54.8	54.8	54.8	53.3
47.5°	59.0	57.5	56.1	54.8	53.3	51.9	51.9	51.9	51.9	51.9	51.9
50°	57.5	56.1	53.3	53.3	51.9	50.6	50.6	50.6	50.6	50.6	50.6
52.5°	54.8	54.8	51.9	50.6	49.1	49.1	49.1	49.1	49.1	49.1	49.1
55°	51.9	51.9	49.1	47.7	46.4	46.4	46.4	46.4	47.7	47.7	47.7
57.5°	50.6	49.1	46.4	46.4	43.5	43.5	43.5	44.9	44.9	46.4	46.4
60°	47.7	46.4	44.9	43.5	43.5	42.1	42.1	42.1	42.1	43.5	43.5
62.5°	46.4	44.9	42.1	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
65°	43.5	43.5	40.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
67.5°	40.7	40.7	37.9	36.5	36.5	36.5	37.9	36.5	36.5	36.5	36.5
70°	37.9	36.5	35.1	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
72.5°	33.7	33.7	32.2	30.9	30.9	30.9	30.9	30.9	30.9	30.9	32.2
75°	29.5	28.0	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
77.5°	25.2	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	23.9
80°	18.2	16.9	16.9	16.9	16.9	18.2	18.2	18.2	18.2	18.2	18.2
82.5°	11.2	9.8	9.8	9.8	11.2	12.7	12.7	12.7	12.7	14.0	14.0
85°	2.9	2.9	2.9	2.9	5.6	7.1	7.1	7.1	8.4	7.1	7.1
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°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1
2.5°	800.0	816.9	816.9	805.6	811.3	805.6	804.3	814.0	819.6	837.8	849.2
5°	618.9	640.0	641.4	635.8	642.7	638.7	642.7	655.4	665.3	678.0	689.1
7.5°	442.1	461.8	466.0	461.8	474.3	473.0	475.8	489.8	498.3	505.3	506.6
10°	311.6	314.4	325.6	322.9	331.3	329.9	334.0	345.3	356.4	360.7	363.5
12.5°	234.4	231.7	235.7	230.1	234.4	234.4	235.7	242.8	256.8	262.5	276.5
15°	189.5	186.7	186.7	183.8	183.8	182.4	183.8	189.5	199.3	207.7	219.0
17.5°	161.4	161.4	161.4	160.0	158.6	158.6	160.0	162.9	168.4	174.0	179.6
20°	144.5	147.4	148.8	150.2	151.5	153.0	154.4	158.6	157.2	151.5	144.5
22.5°	126.3	126.3	127.6	127.6	126.3	126.3	126.3	126.3	126.3	130.5	134.7
25°	105.3	105.3	105.3	106.7	105.3	105.3	106.7	106.7	108.1	110.9	115.2
27.5°	95.4	95.4	95.4	95.4	95.4	95.4	95.4	96.8	98.3	102.5	105.3
30°	88.4	88.4	87.0	87.0	87.0	85.6	87.0	87.0	88.4	94.1	98.3
32.5°	81.4	79.9	79.9	79.9	78.6	78.6	78.6	81.4	82.8	85.6	89.8
35°	71.5	71.5	71.5	73.0	73.0	73.0	73.0	75.7	75.7	77.3	77.3
37.5°	64.6	64.6	65.9	67.4	67.4	68.8	68.8	70.2	71.5	70.2	68.8
40°	59.0	60.4	60.4	63.2	63.2	63.2	64.6	65.9	67.4	64.6	64.6
42.5°	56.1	56.1	56.1	57.5	57.5	57.5	59.0	60.4	61.7	61.7	61.7
45°	53.3	53.3	53.3	54.8	53.3	53.3	53.3	54.8	57.5	57.5	59.0
47.5°	51.9	51.9	51.9	50.6	50.6	50.6	50.6	51.9	53.3	56.1	57.5
50°	50.6	49.1	49.1	49.1	49.1	49.1	49.1	50.6	51.9	53.3	56.1
52.5°	47.7	47.7	47.7	47.7	47.7	47.7	47.7	49.1	50.6	51.9	53.3
55°	47.7	47.7	46.4	46.4	47.7	47.7	47.7	49.1	50.6	51.9	51.9
57.5°	46.4	44.9	44.9	46.4	46.4	46.4	46.4	47.7	49.1	50.6	50.6
60°	43.5	43.5	43.5	43.5	44.9	44.9	46.4	47.7	47.7	49.1	49.1
62.5°	40.7	42.1	42.1	42.1	43.5	43.5	44.9	46.4	47.7	49.1	47.7
65°	39.3	40.7	40.7	40.7	42.1	42.1	42.1	44.9	46.4	46.4	47.7
67.5°	37.9	37.9	37.9	39.3	39.3	40.7	40.7	43.5	43.5	44.9	46.4
70°	35.1	35.1	35.1	36.5	36.5	37.9	39.3	40.7	40.7	42.1	43.5
72.5°	32.2	32.2	32.2	33.7	33.7	35.1	36.5	39.3	37.9	39.3	39.3
75°	28.0	28.0	29.5	29.5	30.9	32.2	33.7	33.7	33.7	33.7	33.7
77.5°	23.9	23.9	25.2	25.2	26.7	28.0	28.0	28.0	29.5	28.0	28.0
80°	19.7	19.7	21.1	21.1	21.1	21.1	22.5	21.1	22.5	21.1	22.5
82.5°	14.0	14.0	15.5	14.0	15.5	14.0	14.0	12.7	15.5	14.0	14.0
85°	5.6	7.1	7.1	7.1	7.1	5.6	5.6	4.2	5.6	5.6	4.2
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):

	175°	180°	185°	195°	205°	215°	225°	230°	235°	240°	245°
0°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1
2.5°	853.4	852.0	873.1	888.4	898.2	936.1	953.0	974.0	983.8	997.8	1011.9
5°	690.5	687.7	713.0	732.7	749.5	804.3	836.5	866.0	889.8	912.3	944.6
7.5°	494.1	488.4	505.3	522.2	544.6	603.5	659.6	698.9	734.1	771.9	814.0
10°	364.9	369.1	386.0	411.2	440.7	485.6	530.4	558.6	589.5	631.6	682.2
12.5°	291.9	308.7	322.9	353.8	388.8	439.3	487.0	509.5	532.0	553.0	579.7
15°	234.4	244.2	255.5	284.9	327.1	386.0	442.1	467.4	494.1	519.3	543.1
17.5°	181.1	185.3	190.9	211.9	249.8	320.0	381.8	414.1	444.9	480.1	512.3
20°	144.5	144.5	146.0	155.8	182.4	237.2	313.0	353.8	393.0	437.9	484.3
22.5°	126.3	125.0	126.3	130.5	143.2	175.5	244.2	291.9	342.4	398.6	456.2
25°	119.4	117.9	116.5	119.4	126.3	141.8	190.9	241.5	293.4	360.7	430.8
27.5°	108.1	109.4	110.9	113.6	119.4	127.6	158.6	196.5	254.0	328.4	412.6
30°	101.1	102.5	103.8	106.7	116.5	126.3	144.5	168.4	217.6	290.5	384.6
32.5°	92.6	94.1	95.4	96.8	99.6	110.9	123.4	143.2	185.3	256.8	355.1
35°	75.7	75.7	77.3	81.4	87.0	98.3	110.9	126.3	165.6	234.4	336.9
37.5°	70.2	70.2	71.5	75.7	81.4	91.3	102.5	116.5	157.2	225.9	320.0
40°	65.9	67.4	67.4	71.5	77.3	88.4	95.4	112.3	153.0	213.3	303.2
42.5°	63.2	63.2	64.6	68.8	75.7	84.2	94.1	109.4	141.8	202.1	293.4
45°	60.4	61.7	61.7	65.9	74.4	81.4	95.4	103.8	134.7	193.7	284.9
47.5°	59.0	59.0	60.4	64.6	73.0	82.8	92.6	98.3	127.6	186.7	277.8
50°	56.1	57.5	59.0	63.2	71.5	91.3	88.4	94.1	122.1	181.1	273.7
52.5°	54.8	56.1	57.5	61.7	71.5	92.6	85.6	88.4	117.9	175.5	270.9
55°	53.3	53.3	54.8	60.4	71.5	85.6	79.9	85.6	109.4	167.1	263.8
57.5°	50.6	51.9	53.3	57.5	70.2	78.6	75.7	81.4	101.1	153.0	254.0
60°	50.6	50.6	51.9	56.1	70.2	70.2	71.5	77.3	91.3	136.1	237.2
62.5°	49.1	49.1	50.6	56.1	71.5	63.2	67.4	73.0	84.2	122.1	216.1
65°	47.7	47.7	49.1	53.3	61.7	60.4	64.6	68.8	81.4	112.3	197.9
67.5°	44.9	44.9	46.4	50.6	54.8	56.1	61.7	65.9	79.9	110.9	181.1
70°	42.1	42.1	42.1	46.4	49.1	53.3	57.5	63.2	79.9	109.4	168.4
72.5°	39.3	37.9	39.3	42.1	44.9	47.7	51.9	59.0	78.6	110.9	162.9
75°	33.7	33.7	33.7	36.5	39.3	42.1	46.4	54.8	74.4	103.8	146.0
77.5°	28.0	28.0	26.7	30.9	33.7	35.1	39.3	47.7	64.6	88.4	117.9
80°	21.1	19.7	19.7	23.9	25.2	28.0	30.9	36.5	50.6	64.6	87.0
82.5°	12.7	11.2	11.2	15.5	16.9	18.2	23.9	26.7	33.7	42.1	59.0
85°	4.2	4.2	4.2	7.1	8.4	9.8	14.0	15.5	21.1	26.7	30.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	4.2	7.1	8.4	7.1
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°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	0°
2.5°	1028.8	1042.8	1061.1	1078.0	1090.5	1101.8	1115.9	1115.9	1132.7	1138.2	1149.5	2.5°
5°	969.8	996.5	1035.8	1068.1	1107.4	1145.2	1180.4	1200.0	1233.7	1256.2	1278.6	5°
7.5°	850.5	887.1	936.1	981.1	1038.6	1100.3	1157.9	1211.3	1267.4	1315.1	1350.2	7.5°
10°	725.7	776.1	828.1	885.5	947.4	1013.4	1083.5	1155.1	1222.4	1289.9	1347.4	10°
12.5°	623.2	680.7	739.7	811.3	882.9	953.0	1035.8	1097.5	1167.8	1235.1	1291.2	12.5°
15°	579.7	630.3	698.9	777.6	853.4	925.0	1002.1	1065.3	1131.2	1186.0	1225.3	15°
17.5°	561.4	626.0	704.6	787.4	868.8	955.8	1024.6	1078.0	1127.0	1152.3	1157.9	17.5°
20°	541.8	630.3	735.4	836.5	936.1	1027.4	1078.0	1113.0	1121.4	1120.1	1099.0	20°
22.5°	530.4	644.3	774.8	916.5	1041.5	1148.1	1183.2	1176.2	1141.0	1096.1	1061.1	22.5°
25°	527.8	676.5	842.1	1030.2	1183.2	1289.9	1309.5	1270.2	1191.6	1104.6	1045.6	25°
27.5°	530.4	713.0	926.3	1152.3	1332.0	1441.4	1434.4	1375.5	1263.2	1141.0	1047.1	27.5°
30°	518.0	750.9	1010.5	1259.0	1437.2	1528.5	1500.3	1412.0	1287.0	1164.9	1065.3	30°
32.5°	496.9	779.0	1085.0	1344.7	1546.7	1615.5	1564.9	1469.4	1340.5	1215.5	1113.0	32.5°
35°	473.0	791.6	1138.2	1424.6	1664.6	1701.1	1619.6	1522.9	1404.9	1278.6	1167.8	35°
37.5°	447.7	793.0	1188.7	1508.8	1778.3	1793.7	1675.8	1571.9	1456.9	1343.1	1242.2	37.5°
40°	433.7	787.4	1240.6	1612.6	1900.4	1879.3	1734.8	1612.6	1499.0	1412.0	1329.1	40°
42.5°	428.1	777.6	1278.6	1691.3	2005.6	1959.3	1789.5	1653.4	1550.9	1477.9	1420.4	42.5°
45°	428.1	767.7	1313.7	1750.2	2084.2	2023.9	1841.4	1692.7	1601.5	1556.5	1528.5	45°
47.5°	429.5	771.9	1355.8	1845.7	2151.6	2085.7	1882.2	1750.2	1671.7	1654.8	1664.6	47.5°
50°	436.5	819.6	1427.4	1950.8	2235.8	2151.6	1936.8	1814.8	1767.1	1783.9	1840.1	50°
52.5°	447.7	895.5	1550.9	2075.8	2366.3	2256.9	2028.1	1907.4	1884.9	1945.3	2052.0	52.5°
55°	458.9	972.7	1712.3	2285.0	2576.9	2447.8	2189.5	2068.8	2042.2	2134.8	2287.7	55°
57.5°	468.7	1030.2	1869.6	2492.7	2759.3	2661.0	2402.9	2256.9	2245.7	2345.4	2512.3	57.5°
60°	478.5	1075.1	1960.7	2585.3	2842.1	2832.4	2623.2	2488.5	2471.7	2564.2	2722.9	60°
62.5°	473.0	1058.2	1986.1	2539.0	2835.1	2916.5	2802.8	2707.4	2649.9	2727.1	2881.4	62.5°
65°	451.9	969.8	1906.0	2379.0	2732.6	2866.0	2875.8	2853.4	2749.5	2755.1	2864.7	65°
67.5°	394.4	815.4	1660.3	2126.4	2532.1	2690.5	2856.3	2849.2	2717.2	2600.8	2623.2	67.5°
70°	327.1	640.0	1354.5	1810.5	2247.1	2383.2	2647.0	2700.5	2512.3	2294.8	2192.3	70°
72.5°	275.2	478.5	1041.5	1402.2	1800.7	1959.3	2351.0	2425.3	2168.5	1862.5	1703.8	72.5°
75°	228.8	338.2	732.7	965.7	1242.2	1451.2	2052.0	2058.9	1760.0	1465.2	1294.1	75°
77.5°	169.8	230.1	530.4	675.1	853.4	1033.1	1659.0	1677.2	1396.5	1111.7	964.2	77.5°
80°	113.6	141.8	338.2	471.6	574.1	692.0	1216.8	1139.7	922.1	770.6	732.7	80°
82.5°	68.8	82.8	195.1	329.9	362.1	430.8	765.0	714.4	607.7	555.8	569.9	82.5°
85°	37.9	51.9	119.4	216.1	168.4	235.7	418.3	408.4	383.1	335.4	291.9	85°
87.5°	9.8	11.2	26.7	9.8	4.2	12.7	81.4	53.3	53.3	30.9	11.2	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°	310°	315°	325°	335°	340°	342.5°	345°	347.5°	350°	352.5°	355°
981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	0° 981.1
1139.7	1143.9	1142.5	1132.7	1107.4	1097.5	1093.3	1082.1	1069.5	1069.5	1058.2	2.5° 1055.5
1277.2	1284.3	1275.9	1252.0	1187.4	1156.5	1138.2	1115.9	1097.5	1080.8	1064.0	5° 1040.0
1374.0	1379.7	1365.6	1310.9	1195.8	1143.9	1115.9	1089.1	1066.6	1037.3	1010.5	7.5° 986.7
1392.4	1404.9	1389.5	1310.9	1177.6	1113.0	1082.1	1052.6	1020.4	989.6	951.7	10° 922.1
1340.5	1367.0	1355.8	1298.3	1169.1	1100.3	1064.0	1028.8	989.6	957.2	913.7	12.5° 885.5
1260.4	1263.2	1270.2	1268.8	1153.7	1086.3	1049.8	1013.4	978.3	947.4	909.5	15° 874.4
1172.0	1169.1	1177.6	1204.3	1149.5	1096.1	1072.3	1037.3	1011.9	976.9	947.4	17.5° 908.1
1092.0	1087.8	1096.1	1122.8	1132.7	1120.1	1110.1	1089.1	1069.5	1047.1	1023.2	20° 985.4
1041.5	1027.4	1026.0	1065.3	1141.0	1174.7	1181.8	1178.9	1177.6	1160.7	1143.9	22.5° 1100.3
1013.4	997.8	1004.9	1049.8	1176.2	1239.3	1271.6	1282.8	1298.3	1298.3	1298.3	25° 1256.2
1004.9	988.0	997.8	1048.4	1212.6	1317.9	1364.3	1392.4	1421.7	1434.4	1442.9	27.5° 1416.2
1010.5	993.7	997.8	1058.2	1230.9	1336.2	1390.8	1431.6	1477.9	1508.8	1529.8	30° 1508.8
1042.8	1013.4	1010.5	1087.8	1264.5	1376.8	1434.4	1480.8	1532.7	1567.7	1605.6	32.5° 1602.8
1086.3	1044.2	1038.6	1135.5	1308.1	1428.8	1486.3	1527.1	1580.4	1628.1	1682.9	35° 1702.5
1159.4	1107.4	1099.0	1215.5	1367.0	1472.3	1529.8	1583.3	1640.8	1702.5	1772.6	37.5° 1819.0
1257.5	1205.6	1205.6	1317.9	1447.0	1532.7	1595.7	1651.9	1715.1	1798.0	1883.6	40° 1957.9
1368.5	1334.7	1340.5	1441.4	1538.3	1608.4	1668.8	1729.1	1795.2	1878.0	1977.6	42.5° 2073.0
1515.8	1497.6	1525.6	1597.3	1631.0	1678.7	1731.9	1785.3	1856.9	1942.5	2056.2	45° 2157.2
1688.5	1703.8	1743.3	1765.7	1724.9	1750.2	1792.3	1841.4	1925.7	2012.7	2124.9	47.5° 2234.4
1904.6	1945.3	1983.2	1977.6	1841.4	1833.0	1872.2	1910.2	1994.5	2094.1	2213.3	50° 2331.3
2153.0	2206.3	2233.1	2202.1	1972.0	1922.8	1955.1	2007.0	2099.7	2213.3	2346.7	52.5° 2461.9
2405.8	2470.2	2461.9	2426.7	2113.7	2047.8	2067.4	2129.2	2242.9	2372.0	2540.4	55° 2654.1
2634.4	2684.9	2707.4	2631.7	2286.4	2199.3	2221.8	2286.4	2407.1	2551.6	2724.3	57.5° 2836.6
2815.5	2870.3	2870.3	2795.9	2474.4	2373.4	2411.3	2474.4	2578.2	2721.4	2882.9	60° 2979.7
2947.4	2991.0	2975.5	2904.0	2635.9	2558.6	2588.2	2675.2	2769.1	2875.8	3003.6	62.5° 3052.7
2937.5	2941.8	2925.0	2898.3	2732.6	2724.3	2780.4	2847.8	2926.4	2967.1	3038.7	65° 3056.9
2661.0	2662.5	2696.3	2684.9	2659.7	2763.5	2836.6	2892.7	2961.4	2961.4	2953.1	67.5° 2961.4
2181.1	2203.5	2261.1	2244.2	2373.4	2586.7	2670.9	2756.6	2816.8	2816.8	2745.3	70° 2704.5
1660.3	1674.4	1743.3	1727.8	1903.1	2137.6	2322.8	2465.9	2525.0	2561.4	2470.2	72.5° 2272.4
1208.4	1207.1	1236.4	1214.1	1435.9	1696.9	1887.8	2066.0	2162.8	2193.8	2028.1	75° 1666.0
930.6	905.3	899.7	902.4	1017.6	1233.7	1385.3	1499.0	1511.6	1515.8	1292.6	77.5° 1009.2
750.9	750.9	742.4	711.5	623.2	721.4	798.6	888.4	920.8	967.0	774.8	80° 568.4
599.3	575.5	533.3	473.0	400.0	426.7	463.2	496.9	551.6	571.2	471.6	82.5° 322.9
299.0	290.5	254.0	210.6	175.5	233.0	259.7	262.5	262.5	242.8	197.9	85° 131.9
1.3	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

'271526

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TION (continued):

359°	360°
981.1	981.1
1038.6	1041.5
1016.2	1007.8
945.9	933.4
870.2	860.4
826.7	814.0
818.3	804.3
847.7	830.9
913.7	894.0
1018.9	995.1
1163.6	1139.7
1305.2	1274.4
1406.4	1375.5
1504.6	1468.1
1602.8	1566.4
1734.8	1702.5
1880.7	1834.4
2001.4	1957.9
2096.8	2052.0
2188.1	2143.2
2291.9	2261.1
2447.8	2421.1
2684.9	2647.0
2858.9	2842.1
2948.9	2927.8
2976.9	2941.8
2940.4	2887.1
2825.3	2763.5
2547.4	2465.9
2030.9	1976.2
1369.8	1337.6
787.4	745.2
451.9	437.9
254.0	268.1
65.9	73.0
0.0	0.0
0.0	0.0

(END OF REPORT)