

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: P271536

Luminaire Tested: **ISS-AF-1000-LED-E1-SLR-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271536
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-1000-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: 4190 lumens
Efficiency: N/A
Efficacy: 76.7 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 - G2

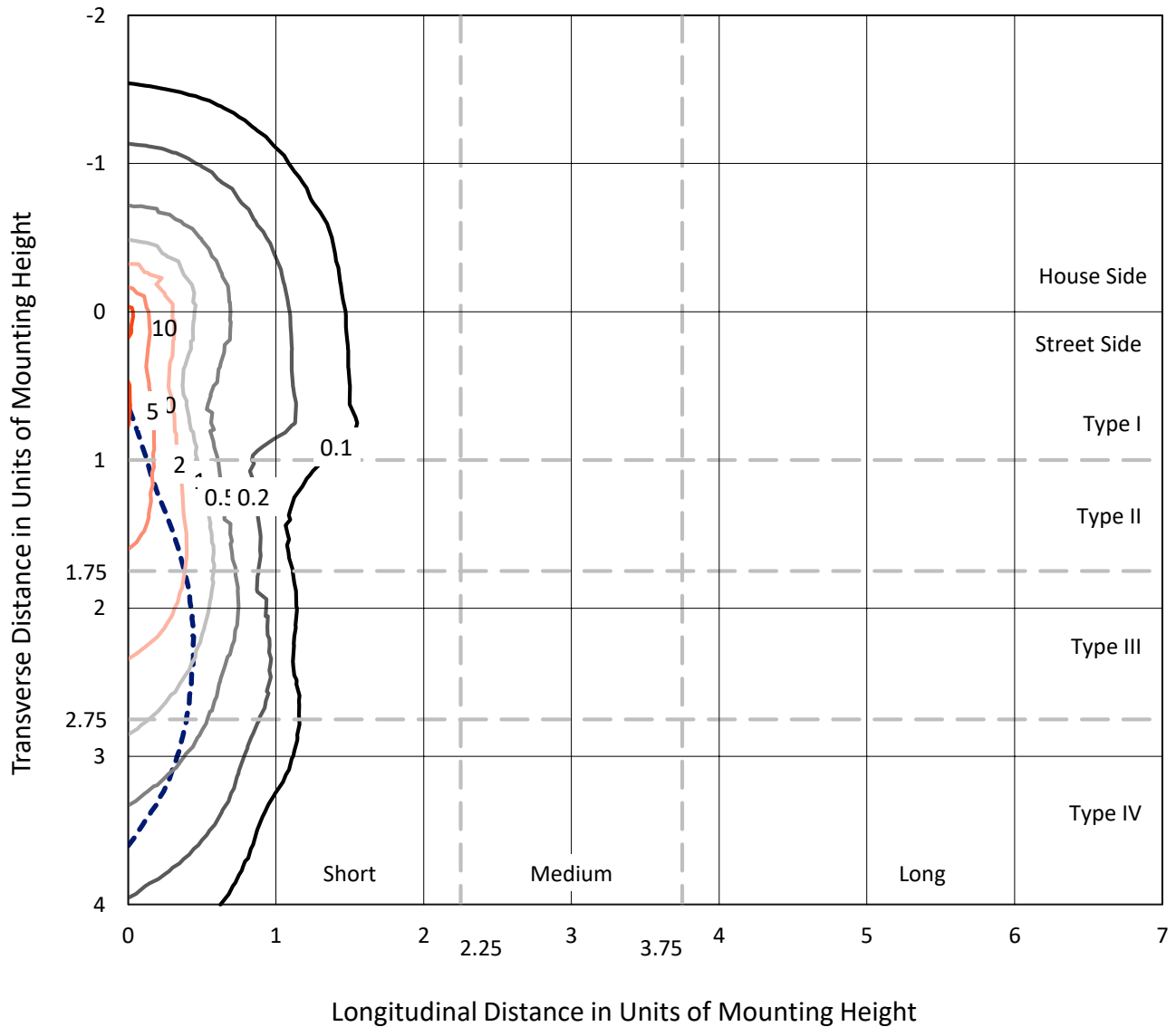
Input Watts (W): 54.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

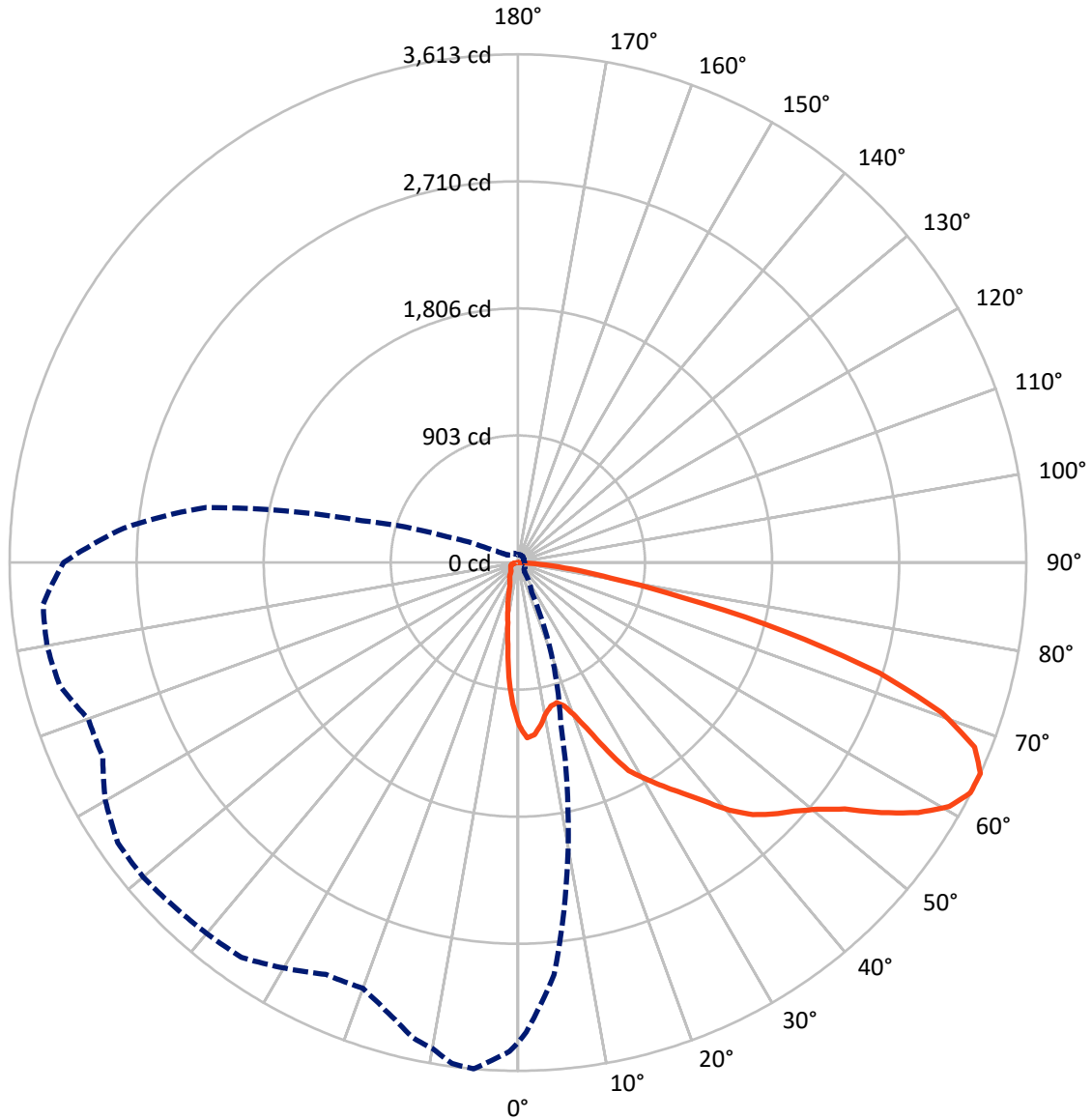
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 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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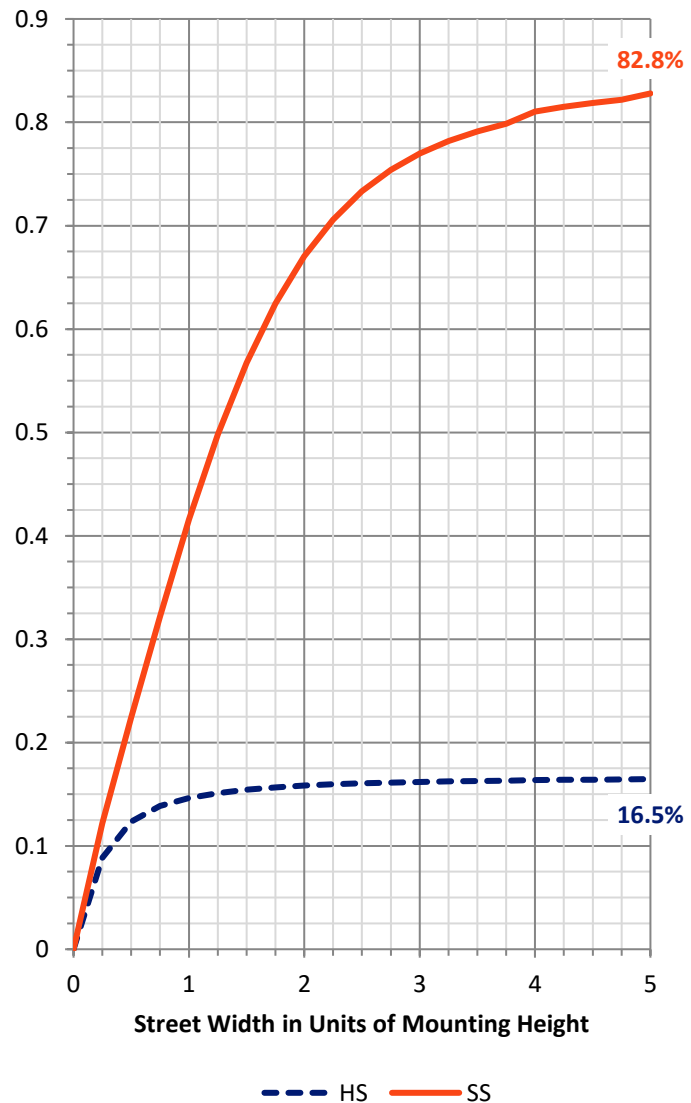
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	696.7	0.0	696.7
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	3493.3	0.0	3493.3
	% Fixture	83.4	0.0	83.4
Total	Lumens	4190.0	0.0	4190.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	2.1
10°-20°	183.5	4.4
20°-30°	266.7	6.4
30°-40°	394.5	9.4
40°-50°	574.7	13.7
50°-60°	861.5	20.6
60°-70°	1073.6	25.6
70°-80°	628.9	15.0
80°-90°	117.6	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°	4190.0	100.0
0°-180°	4190.0	100.0



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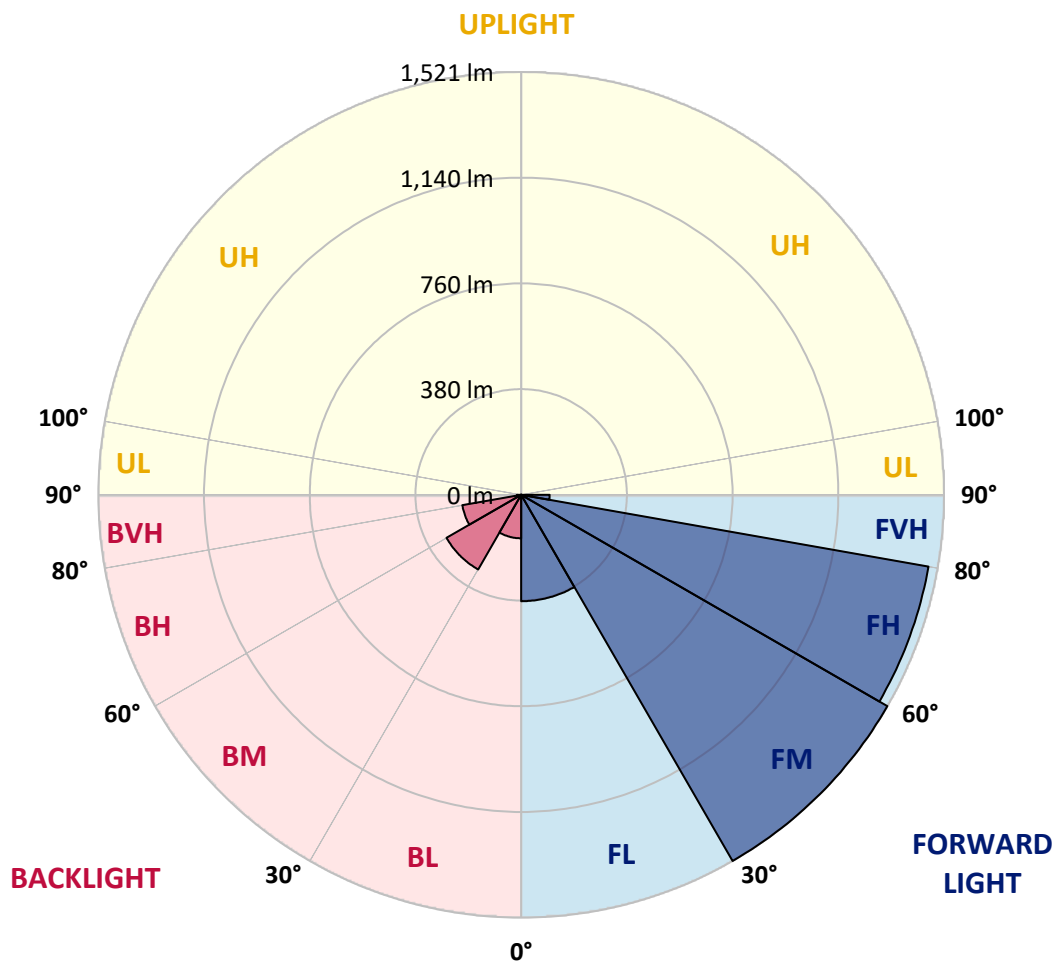
CATALOG NUMBER: ISS-AF-1000-LED-E1-SLR-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	382.8	9.1			
FM	(30°-60°)	1520.6	36.3			
FH	(60°-80°)	1487.4	35.5			G1/1800
FVH	(80°-90°)	102.4	2.4			G2/225
BL	(0°-30°)	156.4	3.7	B1/500		
BM	(30°-60°)	310.1	7.4	B1/1000		
BH	(60°-80°)	215.0	5.1	B1/500		G1/500
BVH	(80°-90°)	15.2	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-G2

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°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	1230.9	1220.9	1201.0	1161.1	1119.6	1079.9	1073.3	1058.3	1060.0	1051.6	1048.4
5°	1191.1	1177.8	1136.3	1053.4	982.0	909.1	904.1	874.2	877.6	859.3	849.3
7.5°	1103.1	1084.8	1038.4	924.0	824.5	728.3	718.3	683.4	678.5	660.3	645.3
10°	1016.8	998.6	940.5	809.6	695.1	623.7	612.1	595.6	582.2	573.9	559.0
12.5°	962.2	952.1	882.5	731.5	642.0	583.9	569.0	552.4	539.2	524.3	509.2
15°	950.5	930.6	859.3	706.7	602.1	530.8	512.7	494.3	479.3	464.4	443.0
17.5°	982.0	962.2	882.5	695.1	557.4	471.1	447.9	423.0	408.1	389.9	366.6
20°	1056.7	1025.1	927.3	678.5	509.2	401.5	373.2	343.4	326.8	295.3	278.7
22.5°	1176.2	1136.3	1003.6	678.5	464.4	328.4	296.9	270.4	252.2	223.9	205.7
25°	1347.0	1312.2	1128.0	696.7	424.7	267.1	235.5	209.0	190.8	170.9	159.3
27.5°	1506.2	1451.5	1260.7	723.2	393.2	223.9	192.5	170.9	157.7	147.6	141.0
30°	1625.7	1580.8	1376.8	741.6	346.7	187.5	167.5	154.3	147.6	142.7	139.3
32.5°	1735.2	1683.7	1459.7	753.0	318.4	159.3	141.0	131.1	124.4	117.8	116.2
35°	1851.2	1801.6	1557.6	751.4	300.2	146.0	127.6	116.2	109.4	107.9	104.6
37.5°	2012.1	1944.1	1670.5	751.4	293.7	141.0	119.5	107.9	102.9	99.5	97.8
40°	2168.1	2091.8	1794.8	756.5	287.0	137.7	119.5	107.9	99.5	96.2	92.9
42.5°	2314.0	2229.4	1907.6	764.7	283.7	127.6	112.7	106.2	102.9	96.2	91.3
45°	2425.2	2358.9	1995.6	781.3	283.7	121.1	106.2	101.1	99.5	99.5	97.8
47.5°	2533.0	2458.4	2096.7	812.9	288.6	116.2	101.1	94.5	94.5	94.5	96.2
50°	2672.4	2584.4	2236.2	877.6	288.6	114.4	96.2	89.7	87.9	91.3	91.3
52.5°	2861.6	2798.4	2440.2	970.3	285.3	112.7	94.5	84.6	82.9	84.6	87.9
55°	3128.5	3057.2	2687.3	1084.8	282.0	109.4	91.3	82.9	79.6	78.0	79.6
57.5°	3359.1	3297.8	2914.6	1176.2	273.7	101.1	87.9	81.3	76.3	74.6	73.0
60°	3460.3	3408.9	3060.5	1237.4	258.8	92.9	82.9	78.0	73.0	71.3	69.7
62.5°	3476.9	3412.2	3062.2	1250.8	242.3	84.6	78.0	73.0	69.7	68.0	66.4
65°	3412.2	3339.2	2941.1	1169.4	228.9	84.6	74.6	69.7	64.7	63.0	61.4
67.5°	3266.2	3153.4	2634.2	992.0	217.3	86.2	73.0	64.7	61.4	59.6	58.1
70°	2914.6	2788.5	2224.6	787.9	212.3	87.9	73.0	61.4	56.4	54.8	54.8
72.5°	2335.6	2191.3	1735.2	593.9	204.1	89.7	71.3	58.1	53.1	49.8	49.8
75°	1580.8	1454.7	1176.2	401.5	169.2	78.0	64.7	53.1	46.4	43.1	41.5
77.5°	880.9	839.4	748.1	212.3	107.9	58.1	49.8	43.1	38.2	36.5	34.9
80°	517.5	496.0	441.2	117.8	66.4	33.1	29.8	28.2	25.0	25.0	25.0
82.5°	316.8	295.3	273.7	53.1	31.5	16.6	16.6	13.3	13.3	11.6	11.6
85°	86.2	79.6	111.1	11.6	3.3	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°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	1035.0	1031.8	1031.8	1006.9	1006.9	993.6	990.3	990.3	995.3	992.0	972.1
5°	832.7	822.8	816.1	786.3	778.0	763.1	756.5	754.8	759.8	751.4	724.9
7.5°	627.1	618.8	608.8	585.5	575.6	573.9	554.1	549.0	545.8	539.2	522.5
10°	547.3	535.7	527.6	511.0	499.3	491.0	474.5	466.1	459.6	449.5	444.6
12.5°	492.7	481.0	469.5	447.9	432.9	423.0	413.0	396.4	389.9	378.2	371.6
15°	424.7	411.4	398.1	375.0	355.0	344.9	325.2	315.1	308.6	295.3	288.6
17.5°	341.7	323.5	308.6	287.0	277.0	260.5	248.8	232.2	219.0	214.0	209.0
20°	257.2	240.6	227.2	209.0	199.1	185.8	179.1	167.5	160.9	157.7	154.3
22.5°	189.1	175.9	167.5	157.7	152.6	147.6	144.3	141.0	137.7	136.0	136.0
25°	149.3	144.3	141.0	137.7	136.0	134.4	131.1	129.4	127.6	126.0	126.0
27.5°	136.0	132.7	131.1	129.4	127.6	124.4	124.4	121.1	119.5	119.5	117.8
30°	137.7	137.7	137.7	134.4	132.7	129.4	127.6	122.8	119.5	116.2	114.4
32.5°	112.7	112.7	111.1	107.9	106.2	104.6	104.6	101.1	99.5	99.5	102.9
35°	102.9	101.1	99.5	96.2	94.5	91.3	89.7	87.9	86.2	84.6	84.6
37.5°	97.8	96.2	94.5	91.3	89.7	87.9	86.2	82.9	81.3	81.3	79.6
40°	92.9	92.9	92.9	89.7	87.9	84.6	82.9	81.3	79.6	78.0	78.0
42.5°	89.7	89.7	89.7	87.9	86.2	84.6	81.3	79.6	78.0	76.3	74.6
45°	91.3	89.7	89.7	87.9	86.2	82.9	81.3	78.0	76.3	74.6	73.0
47.5°	97.8	96.2	92.9	89.7	86.2	82.9	79.6	76.3	74.6	73.0	71.3
50°	92.9	99.5	101.1	96.2	87.9	82.9	79.6	76.3	73.0	71.3	69.7
52.5°	91.3	92.9	99.5	99.5	91.3	84.6	79.6	76.3	73.0	69.7	68.0
55°	82.9	87.9	89.7	91.3	89.7	82.9	78.0	73.0	71.3	68.0	64.7
57.5°	73.0	76.3	78.0	81.3	82.9	81.3	74.6	69.7	68.0	64.7	61.4
60°	68.0	68.0	68.0	69.7	78.0	84.6	78.0	68.0	63.0	61.4	58.1
62.5°	63.0	63.0	61.4	63.0	64.7	73.0	71.3	64.7	61.4	59.6	56.4
65°	61.4	59.6	58.1	58.1	58.1	58.1	58.1	58.1	56.4	56.4	54.8
67.5°	56.4	54.8	54.8	53.1	53.1	53.1	53.1	53.1	51.5	51.5	49.8
70°	53.1	51.5	49.8	49.8	49.8	48.1	48.1	48.1	46.4	46.4	46.4
72.5°	48.1	46.4	46.4	46.4	44.7	44.7	44.7	43.1	43.1	41.5	41.5
75°	41.5	41.5	39.9	39.9	39.9	38.2	38.2	38.2	38.2	36.5	36.5
77.5°	34.9	33.1	34.9	33.1	33.1	33.1	33.1	33.1	31.5	31.5	29.8
80°	23.3	23.3	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	23.3
82.5°	13.3	11.6	13.3	13.3	13.3	14.9	14.9	16.6	14.9	14.9	13.3
85°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	3.3	3.3	3.3	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



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CANDELA DISTRIBUTION (continued):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	982.0	980.4	963.8	967.0	962.2	952.1	953.8	955.4	958.9	952.1	948.9
5°	738.1	739.8	718.3	724.9	719.9	718.3	723.2	731.5	736.5	734.8	730.0
7.5°	524.3	525.9	507.6	505.9	501.0	499.3	505.9	514.2	519.2	517.5	519.2
10°	432.9	428.0	411.4	399.7	388.2	378.2	376.6	376.6	376.6	373.2	369.9
12.5°	358.3	353.3	333.5	323.5	313.5	300.2	298.6	296.9	291.9	287.0	280.3
15°	278.7	273.7	257.2	250.4	242.3	237.2	235.5	235.5	232.2	228.9	225.7
17.5°	202.4	199.1	189.1	182.4	180.8	182.4	184.2	187.5	189.1	190.8	190.8
20°	152.6	150.9	147.6	147.6	149.3	154.3	155.9	160.9	162.5	165.8	169.2
22.5°	134.4	134.4	132.7	132.7	136.0	141.0	144.3	146.0	147.6	149.3	149.3
25°	124.4	124.4	122.8	126.0	131.1	131.1	131.1	131.1	127.6	126.0	126.0
27.5°	117.8	117.8	117.8	119.5	117.8	116.2	116.2	116.2	114.4	114.4	112.7
30°	112.7	112.7	112.7	111.1	111.1	109.4	109.4	107.9	107.9	106.2	106.2
32.5°	104.6	101.1	104.6	101.1	101.1	99.5	101.1	101.1	97.8	97.8	97.8
35°	82.9	81.3	81.3	81.3	79.6	81.3	84.6	84.6	84.6	84.6	84.6
37.5°	78.0	78.0	76.3	74.6	74.6	73.0	74.6	73.0	73.0	73.0	74.6
40°	76.3	74.6	73.0	73.0	71.3	69.7	69.7	69.7	69.7	69.7	69.7
42.5°	73.0	73.0	69.7	68.0	68.0	66.4	66.4	66.4	66.4	66.4	66.4
45°	71.3	69.7	68.0	66.4	64.7	64.7	64.7	64.7	64.7	64.7	63.0
47.5°	69.7	68.0	66.4	64.7	63.0	61.4	61.4	61.4	61.4	61.4	61.4
50°	68.0	66.4	63.0	63.0	61.4	59.6	59.6	59.6	59.6	59.6	59.6
52.5°	64.7	64.7	61.4	59.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1
55°	61.4	61.4	58.1	56.4	54.8	54.8	54.8	54.8	56.4	56.4	56.4
57.5°	59.6	58.1	54.8	54.8	51.5	51.5	51.5	53.1	53.1	54.8	54.8
60°	56.4	54.8	53.1	51.5	51.5	49.8	49.8	49.8	49.8	51.5	51.5
62.5°	54.8	53.1	49.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
65°	51.5	51.5	48.1	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
67.5°	48.1	48.1	44.7	43.1	43.1	43.1	44.7	43.1	43.1	43.1	43.1
70°	44.7	43.1	41.5	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
72.5°	39.9	39.9	38.2	36.5	36.5	36.5	36.5	36.5	36.5	36.5	38.2
75°	34.9	33.1	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
77.5°	29.8	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	28.2
80°	21.6	19.9	19.9	19.9	19.9	21.6	21.6	21.6	21.6	21.6	21.6
82.5°	13.3	11.6	11.6	11.6	13.3	14.9	14.9	14.9	14.9	16.6	16.6
85°	3.3	3.3	3.3	3.3	6.6	8.4	8.4	8.4	9.9	8.4	8.4
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):

	115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°
0°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	945.6	965.5	965.5	952.1	958.9	952.1	950.5	962.2	968.7	990.3	1003.6
5°	731.5	756.5	758.1	751.4	759.8	754.8	759.8	774.7	786.3	801.2	814.5
7.5°	522.5	545.8	550.8	545.8	560.7	559.0	562.4	579.0	588.9	597.1	598.8
10°	368.2	371.6	384.8	381.5	391.5	389.9	394.9	408.1	421.3	426.3	429.6
12.5°	277.0	273.7	278.7	272.1	277.0	277.0	278.7	287.0	303.5	310.3	326.8
15°	223.9	220.6	220.6	217.3	217.3	215.6	217.3	223.9	235.5	245.5	258.8
17.5°	190.8	190.8	190.8	189.1	187.5	187.5	189.1	192.5	199.1	205.7	212.3
20°	170.9	174.2	175.9	177.4	179.1	180.8	182.4	187.5	185.8	179.1	170.9
22.5°	149.3	149.3	150.9	150.9	149.3	149.3	149.3	149.3	149.3	154.3	159.3
25°	124.4	124.4	124.4	126.0	124.4	124.4	126.0	126.0	127.6	131.1	136.0
27.5°	112.7	112.7	112.7	112.7	112.7	112.7	112.7	114.4	116.2	121.1	124.4
30°	104.6	104.6	102.9	102.9	102.9	101.1	102.9	102.9	104.6	111.1	116.2
32.5°	96.2	94.5	94.5	94.5	92.9	92.9	92.9	96.2	97.8	101.1	106.2
35°	84.6	84.6	84.6	86.2	86.2	86.2	86.2	89.7	89.7	91.3	91.3
37.5°	76.3	76.3	78.0	79.6	79.6	81.3	81.3	82.9	84.6	82.9	81.3
40°	69.7	71.3	71.3	74.6	74.6	74.6	76.3	78.0	79.6	76.3	76.3
42.5°	66.4	66.4	66.4	68.0	68.0	68.0	69.7	71.3	73.0	73.0	73.0
45°	63.0	63.0	63.0	64.7	63.0	63.0	63.0	64.7	68.0	68.0	69.7
47.5°	61.4	61.4	61.4	59.6	59.6	59.6	59.6	61.4	63.0	66.4	68.0
50°	59.6	58.1	58.1	58.1	58.1	58.1	58.1	59.6	61.4	63.0	66.4
52.5°	56.4	56.4	56.4	56.4	56.4	56.4	56.4	58.1	59.6	61.4	63.0
55°	56.4	56.4	54.8	54.8	56.4	56.4	56.4	58.1	59.6	61.4	61.4
57.5°	54.8	53.1	53.1	54.8	54.8	54.8	54.8	56.4	58.1	59.6	59.6
60°	51.5	51.5	51.5	51.5	53.1	53.1	54.8	56.4	56.4	58.1	58.1
62.5°	48.1	49.8	49.8	49.8	51.5	51.5	53.1	54.8	56.4	58.1	56.4
65°	46.4	48.1	48.1	48.1	49.8	49.8	49.8	53.1	54.8	54.8	56.4
67.5°	44.7	44.7	44.7	46.4	46.4	48.1	48.1	51.5	51.5	53.1	54.8
70°	41.5	41.5	41.5	43.1	43.1	44.7	46.4	48.1	48.1	49.8	51.5
72.5°	38.2	38.2	38.2	39.9	39.9	41.5	43.1	46.4	44.7	46.4	46.4
75°	33.1	33.1	34.9	34.9	36.5	38.2	39.9	39.9	39.9	39.9	39.9
77.5°	28.2	28.2	29.8	29.8	31.5	33.1	33.1	33.1	34.9	33.1	33.1
80°	23.3	23.3	25.0	25.0	25.0	25.0	26.5	25.0	26.5	25.0	26.5
82.5°	16.6	16.6	18.2	16.6	18.2	16.6	16.6	14.9	18.2	16.6	16.6
85°	6.6	8.4	8.4	8.4	8.4	6.6	6.6	5.0	6.6	6.6	5.0
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):

	175°	180°	185°	195°	205°	215°	225°	230°	235°	240°	245°
0°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	1008.5	1006.9	1031.8	1050.1	1061.7	1106.4	1126.4	1151.3	1162.9	1179.5	1196.0
5°	816.1	812.9	842.7	865.9	885.8	950.5	988.7	1023.5	1051.6	1078.2	1116.4
7.5°	583.9	577.3	597.1	617.0	643.6	713.3	779.7	826.1	867.5	912.4	962.2
10°	431.3	436.3	456.2	486.1	520.8	573.9	627.1	660.3	696.7	746.5	806.2
12.5°	344.9	364.9	381.5	418.0	459.6	519.2	575.6	602.1	628.7	653.6	685.0
15°	277.0	288.6	301.9	336.8	386.5	456.2	522.5	552.4	583.9	613.7	642.0
17.5°	214.0	219.0	225.7	250.4	295.3	378.2	451.2	489.4	525.9	567.3	605.5
20°	170.9	170.9	172.6	184.2	215.6	280.3	369.9	418.0	464.4	517.5	572.3
22.5°	149.3	147.6	149.3	154.3	169.2	207.4	288.6	344.9	404.8	471.1	539.2
25°	141.0	139.3	137.7	141.0	149.3	167.5	225.7	285.3	346.7	426.3	509.2
27.5°	127.6	129.4	131.1	134.4	141.0	150.9	187.5	232.2	300.2	388.2	487.7
30°	119.5	121.1	122.8	126.0	137.7	149.3	170.9	199.1	257.2	343.4	454.5
32.5°	109.4	111.1	112.7	114.4	117.8	131.1	146.0	169.2	219.0	303.5	419.7
35°	89.7	89.7	91.3	96.2	102.9	116.2	131.1	149.3	195.7	277.0	398.1
37.5°	82.9	82.9	84.6	89.7	96.2	107.9	121.1	137.7	185.8	267.1	378.2
40°	78.0	79.6	79.6	84.6	91.3	104.6	112.7	132.7	180.8	252.2	358.3
42.5°	74.6	74.6	76.3	81.3	89.7	99.5	111.1	129.4	167.5	238.9	346.7
45°	71.3	73.0	73.0	78.0	87.9	96.2	112.7	122.8	159.3	228.9	336.8
47.5°	69.7	69.7	71.3	76.3	86.2	97.8	109.4	116.2	150.9	220.6	328.4
50°	66.4	68.0	69.7	74.6	84.6	107.9	104.6	111.1	144.3	214.0	323.5
52.5°	64.7	66.4	68.0	73.0	84.6	109.4	101.1	104.6	139.3	207.4	320.2
55°	63.0	63.0	64.7	71.3	84.6	101.1	94.5	101.1	129.4	197.4	311.8
57.5°	59.6	61.4	63.0	68.0	82.9	92.9	89.7	96.2	119.5	180.8	300.2
60°	59.6	59.6	61.4	66.4	82.9	82.9	84.6	91.3	107.9	160.9	280.3
62.5°	58.1	58.1	59.6	66.4	84.6	74.6	79.6	86.2	99.5	144.3	255.5
65°	56.4	56.4	58.1	63.0	73.0	71.3	76.3	81.3	96.2	132.7	233.9
67.5°	53.1	53.1	54.8	59.6	64.7	66.4	73.0	78.0	94.5	131.1	214.0
70°	49.8	49.8	49.8	54.8	58.1	63.0	68.0	74.6	94.5	129.4	199.1
72.5°	46.4	44.7	46.4	49.8	53.1	56.4	61.4	69.7	92.9	131.1	192.5
75°	39.9	39.9	39.9	43.1	46.4	49.8	54.8	64.7	87.9	122.8	172.6
77.5°	33.1	33.1	31.5	36.5	39.9	41.5	46.4	56.4	76.3	104.6	139.3
80°	25.0	23.3	23.3	28.2	29.8	33.1	36.5	43.1	59.6	76.3	102.9
82.5°	14.9	13.3	13.3	18.2	19.9	21.6	28.2	31.5	39.9	49.8	69.7
85°	5.0	5.0	5.0	8.4	9.9	11.6	16.6	18.2	25.0	31.5	36.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	5.0	8.4	9.9	8.4
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°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	0°
2.5°	1215.9	1232.6	1254.0	1274.0	1288.9	1302.3	1318.8	1318.8	1338.7	1345.3	1358.6	2.5°
5°	1146.2	1177.8	1224.2	1262.4	1308.8	1353.6	1395.1	1418.3	1458.1	1484.7	1511.2	5°
7.5°	1005.2	1048.4	1106.4	1159.5	1227.5	1300.6	1368.6	1431.6	1497.9	1554.3	1595.7	7.5°
10°	857.6	917.3	978.7	1046.7	1119.6	1197.7	1280.6	1365.2	1444.8	1524.4	1592.4	10°
12.5°	736.5	804.5	874.2	958.9	1043.4	1126.4	1224.2	1297.2	1380.2	1459.7	1526.1	12.5°
15°	685.0	744.9	826.1	919.0	1008.5	1093.1	1184.4	1259.1	1336.9	1401.7	1448.2	15°
17.5°	663.6	739.8	832.7	930.6	1026.9	1129.7	1210.9	1274.0	1332.1	1361.9	1368.6	17.5°
20°	640.3	744.9	869.2	988.7	1106.4	1214.3	1274.0	1315.5	1325.4	1323.7	1298.9	20°
22.5°	627.1	761.4	915.7	1083.3	1230.9	1356.9	1398.4	1390.0	1348.6	1295.5	1254.0	22.5°
25°	623.7	799.5	995.3	1217.7	1398.4	1524.4	1547.7	1501.2	1408.4	1305.5	1235.8	25°
27.5°	627.1	842.7	1094.9	1361.9	1574.2	1703.6	1695.3	1625.7	1492.9	1348.6	1237.4	27.5°
30°	612.1	887.4	1194.4	1488.0	1698.7	1806.5	1773.3	1668.8	1521.1	1376.8	1259.1	30°
32.5°	587.2	920.7	1282.3	1589.1	1828.1	1909.3	1849.6	1736.9	1584.3	1436.6	1315.5	32.5°
35°	559.0	935.6	1345.3	1683.7	1967.4	2010.5	1914.3	1799.8	1660.4	1511.2	1380.2	35°
37.5°	529.2	937.2	1404.9	1783.2	2101.8	2120.0	1980.7	1857.9	1721.9	1587.6	1468.1	37.5°
40°	512.7	930.6	1466.4	1906.0	2246.0	2221.1	2050.3	1906.0	1771.6	1668.8	1571.0	40°
42.5°	505.9	919.0	1511.2	1998.9	2370.4	2315.7	2115.0	1954.2	1833.0	1746.8	1678.8	42.5°
45°	505.9	907.4	1552.7	2068.5	2463.3	2392.1	2176.4	2000.5	1892.7	1839.7	1806.5	45°
47.5°	507.6	912.4	1602.5	2181.4	2543.0	2464.9	2224.6	2068.5	1975.6	1955.8	1967.4	47.5°
50°	515.9	968.7	1687.1	2305.8	2642.5	2543.0	2289.2	2144.8	2088.5	2108.4	2174.8	50°
52.5°	529.2	1058.3	1833.0	2453.5	2796.9	2667.3	2396.9	2254.4	2227.8	2299.1	2425.2	52.5°
55°	542.5	1149.7	2023.8	2700.6	3045.6	2893.0	2587.7	2445.2	2413.6	2523.1	2703.9	55°
57.5°	554.1	1217.7	2209.7	2946.1	3261.3	3145.1	2839.9	2667.3	2654.1	2771.9	2969.3	57.5°
60°	565.7	1270.7	2317.4	3055.6	3359.1	3347.5	3100.4	2941.1	2921.2	3030.7	3218.2	60°
62.5°	559.0	1250.8	2347.2	3000.8	3350.9	3447.1	3312.7	3199.9	3131.9	3223.1	3405.6	62.5°
65°	534.1	1146.2	2252.7	2811.8	3229.8	3387.3	3399.0	3372.3	3249.7	3256.3	3385.7	65°
67.5°	466.1	963.8	1962.3	2513.1	2992.5	3180.0	3375.7	3367.5	3211.5	3073.8	3100.4	67.5°
70°	386.5	756.5	1600.8	2139.9	2655.7	2816.6	3128.5	3191.6	2969.3	2712.3	2591.1	70°
72.5°	325.2	565.7	1230.9	1657.1	2128.3	2315.7	2778.5	2866.4	2563.0	2201.3	2013.8	72.5°
75°	270.4	399.7	865.9	1141.3	1468.1	1715.2	2425.2	2433.5	2080.1	1731.8	1529.5	75°
77.5°	200.7	272.1	627.1	798.0	1008.5	1220.9	1960.7	1982.3	1650.5	1313.8	1139.6	77.5°
80°	134.4	167.5	399.7	557.4	678.5	817.7	1438.2	1347.0	1089.8	910.7	865.9	80°
82.5°	81.3	97.8	230.5	389.9	428.0	509.2	904.1	844.4	718.3	656.9	673.5	82.5°
85°	44.7	61.4	141.0	255.5	199.1	278.7	494.3	482.7	452.8	396.4	344.9	85°
87.5°	11.6	13.3	31.5	11.6	5.0	14.9	96.2	63.0	63.0	36.5	13.3	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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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

305°	310°	315°	325°	335°	340°	342.5°	345°	347.5°	350°	352.5°	355°
1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	0° 1159.5
1347.0	1351.9	1350.3	1338.7	1308.8	1297.2	1292.2	1279.0	1264.1	1264.1	1250.8	2.5° 1247.5
1509.5	1517.9	1507.9	1479.7	1403.4	1367.0	1345.3	1318.8	1297.2	1277.3	1257.4	5° 1229.2
1624.0	1630.6	1614.1	1549.4	1413.3	1351.9	1318.8	1287.2	1260.7	1225.8	1194.4	7.5° 1166.2
1645.5	1660.4	1642.2	1549.4	1391.7	1315.5	1279.0	1244.2	1206.0	1169.4	1124.7	10° 1089.8
1584.3	1615.7	1602.5	1534.5	1381.9	1300.6	1257.4	1215.9	1169.4	1131.3	1079.9	12.5° 1046.7
1489.6	1492.9	1501.2	1499.6	1363.5	1283.9	1240.8	1197.7	1156.2	1119.6	1074.9	15° 1033.5
1385.2	1381.9	1391.7	1423.3	1358.6	1295.5	1267.4	1225.8	1196.0	1154.5	1119.6	17.5° 1073.3
1290.5	1285.7	1295.5	1327.1	1338.7	1323.7	1312.2	1287.2	1264.1	1237.4	1209.3	20° 1164.6
1230.9	1214.3	1212.6	1259.1	1348.6	1388.4	1396.8	1393.5	1391.7	1371.8	1351.9	22.5° 1300.6
1197.7	1179.5	1187.6	1240.8	1390.0	1464.8	1503.0	1516.2	1534.5	1534.5	1534.5	25° 1484.7
1187.6	1167.9	1179.5	1239.1	1433.2	1557.6	1612.4	1645.5	1680.4	1695.3	1705.3	27.5° 1673.7
1194.4	1174.4	1179.5	1250.8	1454.7	1579.2	1643.9	1692.0	1746.8	1783.2	1808.1	30° 1783.2
1232.6	1197.7	1194.4	1285.7	1494.6	1627.3	1695.3	1750.1	1811.4	1852.9	1897.7	32.5° 1894.3
1283.9	1234.2	1227.5	1342.0	1546.1	1688.7	1756.6	1804.9	1867.8	1924.3	1988.9	35° 2012.1
1370.2	1308.8	1298.9	1436.6	1615.7	1740.1	1808.1	1871.2	1939.2	2012.1	2095.0	37.5° 2149.8
1486.3	1424.9	1424.9	1557.6	1710.2	1811.4	1886.1	1952.5	2027.0	2125.0	2226.2	40° 2314.0
1617.4	1577.5	1584.3	1703.6	1818.1	1901.0	1972.4	2043.6	2121.7	2219.5	2337.3	42.5° 2450.0
1791.5	1770.0	1803.2	1887.8	1927.5	1984.0	2047.0	2110.0	2194.6	2295.8	2430.2	45° 2549.6
1995.6	2013.8	2060.3	2086.9	2038.7	2068.5	2118.3	2176.4	2275.9	2378.7	2511.5	47.5° 2640.8
2251.1	2299.1	2343.9	2337.3	2176.4	2166.4	2212.9	2257.7	2357.2	2475.0	2616.0	50° 2755.3
2544.7	2607.7	2639.2	2602.7	2330.7	2272.6	2310.8	2372.2	2481.6	2616.0	2773.6	52.5° 2909.6
2843.2	2919.5	2909.6	2868.1	2498.2	2420.2	2443.5	2516.4	2650.8	2803.4	3002.5	55° 3136.8
3113.6	3173.4	3199.9	3110.3	2702.2	2599.3	2625.9	2702.2	2844.9	3015.8	3219.7	57.5° 3352.6
3327.6	3392.3	3392.3	3304.3	2924.5	2805.0	2849.9	2924.5	3047.3	3216.5	3407.2	60° 3521.6
3483.5	3535.0	3516.8	3432.2	3115.3	3024.1	3058.9	3161.8	3272.9	3399.0	3549.9	62.5° 3608.0
3471.9	3476.9	3456.9	3425.5	3229.8	3219.7	3286.1	3365.8	3458.7	3506.7	3591.3	65° 3612.9
3145.1	3146.9	3186.6	3173.4	3143.5	3266.2	3352.6	3418.9	3500.2	3500.2	3490.2	67.5° 3500.2
2577.9	2604.4	2672.4	2652.4	2805.0	3057.2	3156.7	3258.0	3329.3	3329.3	3244.7	70° 3196.6
1962.3	1979.0	2060.3	2042.0	2249.4	2526.4	2745.4	2914.6	2984.2	3027.4	2919.5	72.5° 2685.7
1428.2	1426.6	1461.5	1435.0	1697.0	2005.6	2231.1	2441.9	2556.3	2592.8	2396.9	75° 1969.1
1099.9	1069.9	1063.3	1066.6	1202.7	1458.1	1637.3	1771.6	1786.5	1791.5	1527.7	77.5° 1192.7
887.4	887.4	877.6	841.0	736.5	852.6	943.8	1050.1	1088.2	1142.9	915.7	80° 671.8
708.3	680.2	630.3	559.0	472.8	504.3	547.3	587.2	651.9	675.2	557.4	82.5° 381.5
353.3	343.4	300.2	248.8	207.4	275.4	307.0	310.3	310.3	287.0	233.9	85° 155.9
1.7	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°
1159.5	1159.5
1227.5	1230.9
1201.0	1191.1
1118.0	1103.1
1028.5	1016.8
977.1	962.2
967.0	950.5
1001.9	982.0
1079.9	1056.7
1204.3	1176.2
1375.1	1347.0
1542.7	1506.2
1662.1	1625.7
1778.3	1735.2
1894.3	1851.2
2050.3	2012.1
2222.9	2168.1
2365.5	2314.0
2478.3	2425.2
2586.1	2533.0
2708.9	2672.4
2893.0	2861.6
3173.4	3128.5
3379.1	3359.1
3485.2	3460.3
3518.4	3476.9
3475.3	3412.2
3339.2	3266.2
3010.8	2914.6
2400.3	2335.6
1619.0	1580.8
930.6	880.9
534.1	517.5
300.2	316.8
78.0	86.2
0.0	0.0
0.0	0.0

(END OF REPORT)