

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: P228608

Luminaire Tested: **ISS-AF-800-LED-E1-SLR-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P228608  
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-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**

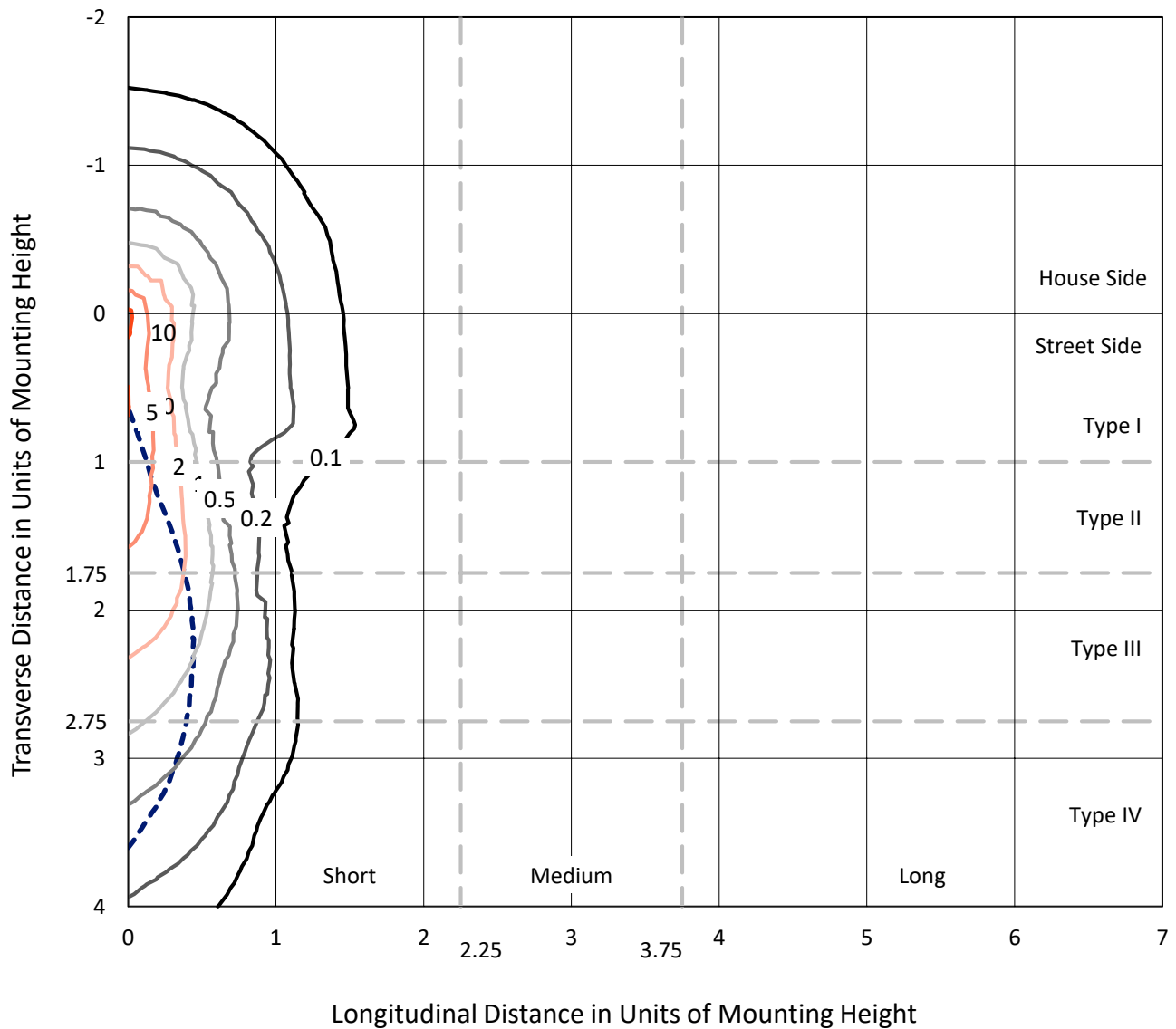
Lumens per Lamp: N/A  
Luminaire Lumens: 4080 lumens  
Efficiency: N/A  
Efficacy: 93.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 43.5  
Input Voltage (V): 120  
Input Current (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

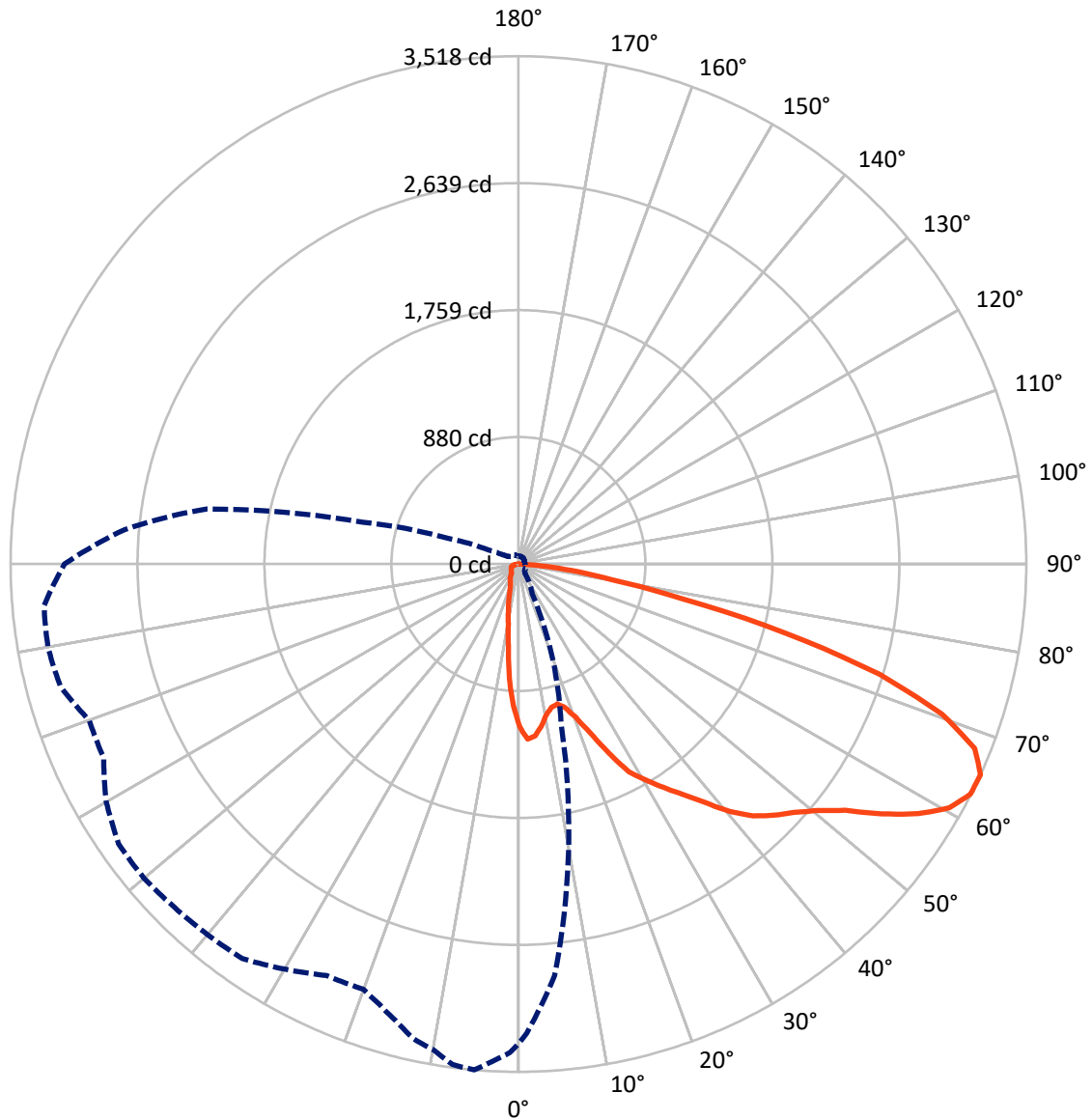
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 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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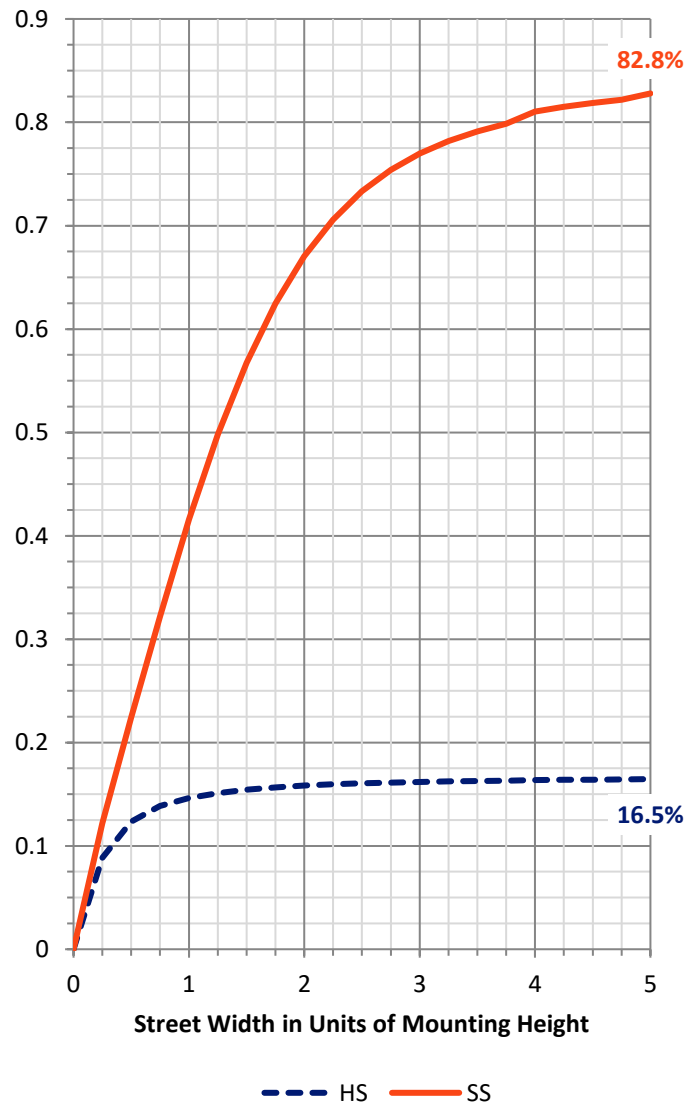
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	678.4	0.0	678.4
	% Fixture	16.6	0.0	16.6
<b>Street Side</b>	Lumens	3401.6	0.0	3401.6
	% Fixture	83.4	0.0	83.4
<b>Total</b>	Lumens	4080.0	0.0	4080.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.7	2.1
10°-20°	178.7	4.4
20°-30°	259.7	6.4
30°-40°	384.1	9.4
40°-50°	559.6	13.7
50°-60°	838.9	20.6
60°-70°	1045.4	25.6
70°-80°	612.4	15.0
80°-90°	114.5	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°	4080.0	100.0
0°-180°	4080.0	100.0



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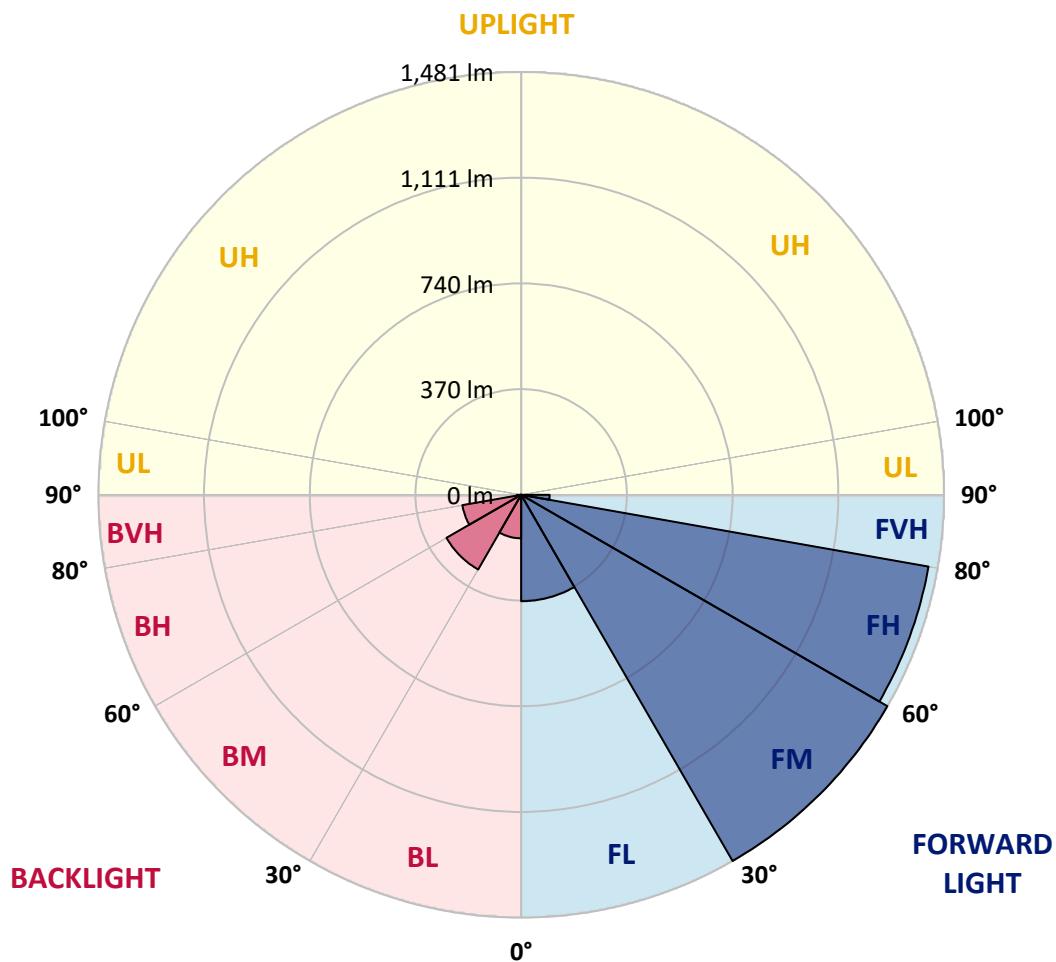
CATALOG NUMBER: ISS-AF-800-LED-E1-SLR-7050

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	372.7	9.1			
FM	(30°-60°)	1480.7	36.3			
FH	(60°-80°)	1448.4	35.5			G1/1800
FVH	(80°-90°)	99.8	2.4			G1/100
BL	(0°-30°)	152.3	3.7	B1/500		
BM	(30°-60°)	301.9	7.4	B1/1000		
BH	(60°-80°)	209.4	5.1	B1/500		G1/500
BVH	(80°-90°)	14.8	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°	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1
2.5°	1198.6	1188.9	1169.5	1130.7	1090.3	1051.6	1045.1	1030.6	1032.2	1024.1	1020.9
5°	1159.8	1146.9	1106.5	1025.7	956.3	885.2	880.3	851.3	854.5	836.7	827.0
7.5°	1074.2	1056.4	1011.2	899.7	802.8	709.1	699.4	665.5	660.7	642.9	628.4
10°	990.2	972.4	915.9	788.3	676.8	607.4	596.0	579.9	567.0	558.9	544.4
12.5°	936.9	927.2	859.3	712.3	625.1	568.6	554.0	537.9	525.0	510.4	495.9
15°	925.6	906.2	836.7	688.1	586.4	516.9	499.1	481.4	466.8	452.3	431.3
17.5°	956.3	936.9	859.3	676.8	542.7	458.7	436.1	411.9	397.4	379.6	357.0
20°	1028.9	998.3	903.0	660.7	495.9	390.9	363.4	334.4	318.2	287.5	271.4
22.5°	1145.3	1106.5	977.3	660.7	452.3	319.8	289.1	263.3	245.5	218.1	200.3
25°	1311.6	1277.7	1098.4	678.4	413.5	260.1	229.4	203.5	185.8	166.4	155.1
27.5°	1466.7	1413.4	1227.6	704.3	382.8	218.1	187.4	166.4	153.5	143.8	137.3
30°	1583.0	1539.4	1340.7	722.0	337.6	182.5	163.1	150.2	143.8	138.9	135.7
32.5°	1689.6	1639.5	1421.5	733.3	310.1	155.1	137.3	127.6	121.1	114.7	113.1
35°	1802.7	1754.2	1516.8	731.7	292.4	142.1	124.4	113.1	106.6	105.0	101.8
37.5°	1959.4	1893.1	1626.6	731.7	285.9	137.3	116.3	105.0	100.1	96.9	95.3
40°	2111.2	2036.9	1747.8	736.6	279.4	134.1	116.3	105.0	96.9	93.7	90.5
42.5°	2253.3	2171.0	1857.6	744.7	276.2	124.4	109.8	103.4	100.1	93.7	88.8
45°	2361.6	2297.0	1943.2	760.8	276.2	117.9	103.4	98.5	96.9	96.9	95.3
47.5°	2466.6	2393.9	2041.7	791.5	281.1	113.1	98.5	92.1	92.1	92.1	93.7
50°	2602.3	2516.6	2177.4	854.5	281.1	111.5	93.7	87.2	85.6	88.8	88.8
52.5°	2786.4	2725.0	2376.1	945.0	277.8	109.8	92.1	82.4	80.8	82.4	85.6
55°	3046.5	2977.0	2616.8	1056.4	274.6	106.6	88.8	80.8	77.5	75.9	77.5
57.5°	3271.0	3211.2	2838.1	1145.3	266.5	98.5	85.6	79.1	74.3	72.7	71.1
60°	3369.5	3319.4	2980.2	1205.0	252.0	90.5	80.8	75.9	71.1	69.5	67.8
62.5°	3385.7	3322.7	2981.9	1217.9	235.8	82.4	75.9	71.1	67.8	66.2	64.6
65°	3322.7	3251.6	2863.9	1138.8	222.9	82.4	72.7	67.8	63.0	61.4	59.8
67.5°	3180.5	3070.7	2565.1	966.0	211.6	84.0	71.1	63.0	59.8	58.2	56.5
70°	2838.1	2715.3	2166.1	767.3	206.8	85.6	71.1	59.8	54.9	53.3	53.3
72.5°	2274.3	2133.8	1689.6	578.3	198.7	87.2	69.5	56.5	51.7	48.5	48.5
75°	1539.4	1416.6	1145.3	390.9	164.8	75.9	63.0	51.7	45.2	42.0	40.4
77.5°	857.7	817.3	728.5	206.8	105.0	56.5	48.5	42.0	37.2	35.5	33.9
80°	504.0	483.0	429.7	114.7	64.6	32.3	29.1	27.5	24.2	24.2	24.2
82.5°	308.5	287.5	266.5	51.7	30.7	16.2	16.2	12.9	12.9	11.3	11.3
85°	84.0	77.5	108.2	11.3	3.2	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°	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1
2.5°	1007.9	1004.7	1004.7	980.5	980.5	967.6	964.3	964.3	969.2	966.0	946.6
5°	810.9	801.2	794.7	765.7	757.6	743.0	736.6	735.0	739.8	731.7	705.9
7.5°	610.6	602.5	592.8	570.2	560.5	558.9	539.5	534.7	531.4	525.0	508.8
10°	533.1	521.7	513.7	497.5	486.2	478.1	462.0	453.9	447.4	437.7	432.9
12.5°	479.7	468.4	457.1	436.1	421.6	411.9	402.2	386.1	379.6	368.3	361.8
15°	413.5	400.6	387.7	365.1	345.7	336.0	316.6	306.9	300.4	287.5	281.1
17.5°	332.8	315.0	300.4	279.4	269.8	253.6	242.3	226.1	213.2	208.4	203.5
20°	250.4	234.2	221.3	203.5	193.8	180.9	174.5	163.1	156.7	153.5	150.2
22.5°	184.1	171.2	163.1	153.5	148.6	143.8	140.5	137.3	134.1	132.5	132.5
25°	145.4	140.5	137.3	134.1	132.5	130.8	127.6	126.0	124.4	122.8	122.8
27.5°	132.5	129.2	127.6	126.0	124.4	121.1	121.1	117.9	116.3	116.3	114.7
30°	134.1	134.1	134.1	130.8	129.2	126.0	124.4	119.5	116.3	113.1	111.5
32.5°	109.8	109.8	108.2	105.0	103.4	101.8	101.8	98.5	96.9	96.9	100.1
35°	100.1	98.5	96.9	93.7	92.1	88.8	87.2	85.6	84.0	82.4	82.4
37.5°	95.3	93.7	92.1	88.8	87.2	85.6	84.0	80.8	79.1	79.1	77.5
40°	90.5	90.5	90.5	87.2	85.6	82.4	80.8	79.1	77.5	75.9	75.9
42.5°	87.2	87.2	87.2	85.6	84.0	82.4	79.1	77.5	75.9	74.3	72.7
45°	88.8	87.2	87.2	85.6	84.0	80.8	79.1	75.9	74.3	72.7	71.1
47.5°	95.3	93.7	90.5	87.2	84.0	80.8	77.5	74.3	72.7	71.1	69.5
50°	90.5	96.9	98.5	93.7	85.6	80.8	77.5	74.3	71.1	69.5	67.8
52.5°	88.8	90.5	96.9	96.9	88.8	82.4	77.5	74.3	71.1	67.8	66.2
55°	80.8	85.6	87.2	88.8	87.2	80.8	75.9	71.1	69.5	66.2	63.0
57.5°	71.1	74.3	75.9	79.1	80.8	79.1	72.7	67.8	66.2	63.0	59.8
60°	66.2	66.2	66.2	67.8	75.9	82.4	75.9	66.2	61.4	59.8	56.5
62.5°	61.4	61.4	59.8	61.4	63.0	71.1	69.5	63.0	59.8	58.2	54.9
65°	59.8	58.2	56.5	56.5	56.5	56.5	56.5	56.5	54.9	54.9	53.3
67.5°	54.9	53.3	53.3	51.7	51.7	51.7	51.7	51.7	50.1	50.1	48.5
70°	51.7	50.1	48.5	48.5	48.5	46.8	46.8	46.8	45.2	45.2	45.2
72.5°	46.8	45.2	45.2	45.2	43.6	43.6	43.6	42.0	42.0	40.4	40.4
75°	40.4	40.4	38.8	38.8	38.8	37.2	37.2	37.2	37.2	35.5	35.5
77.5°	33.9	32.3	33.9	32.3	32.3	32.3	32.3	32.3	30.7	30.7	29.1
80°	22.6	22.6	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	22.6
82.5°	12.9	11.3	12.9	12.9	12.9	14.5	14.5	16.2	14.5	14.5	12.9
85°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	3.2	3.2	3.2
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°	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1
2.5°	956.3	954.6	938.5	941.7	936.9	927.2	928.8	930.4	933.6	927.2	924.0
5°	718.8	720.4	699.4	705.9	701.0	699.4	704.3	712.3	717.2	715.6	710.7
7.5°	510.4	512.1	494.3	492.7	487.8	486.2	492.7	500.7	505.6	504.0	505.6
10°	421.6	416.7	400.6	389.3	378.0	368.3	366.7	366.7	366.7	363.4	360.2
12.5°	348.9	344.1	324.7	315.0	305.3	292.4	290.8	289.1	284.3	279.4	273.0
15°	271.4	266.5	250.4	243.9	235.8	231.0	229.4	229.4	226.1	222.9	219.7
17.5°	197.1	193.8	184.1	177.7	176.1	177.7	179.3	182.5	184.1	185.8	185.8
20°	148.6	147.0	143.8	143.8	145.4	150.2	151.8	156.7	158.3	161.5	164.8
22.5°	130.8	130.8	129.2	129.2	132.5	137.3	140.5	142.1	143.8	145.4	145.4
25°	121.1	121.1	119.5	122.8	127.6	127.6	127.6	127.6	124.4	122.8	122.8
27.5°	114.7	114.7	114.7	116.3	114.7	113.1	113.1	113.1	111.5	111.5	109.8
30°	109.8	109.8	109.8	108.2	108.2	106.6	106.6	105.0	105.0	103.4	103.4
32.5°	101.8	98.5	101.8	98.5	98.5	96.9	98.5	98.5	95.3	95.3	95.3
35°	80.8	79.1	79.1	79.1	77.5	79.1	82.4	82.4	82.4	82.4	82.4
37.5°	75.9	75.9	74.3	72.7	72.7	71.1	72.7	71.1	71.1	71.1	72.7
40°	74.3	72.7	71.1	71.1	69.5	67.8	67.8	67.8	67.8	67.8	67.8
42.5°	71.1	71.1	67.8	66.2	66.2	64.6	64.6	64.6	64.6	64.6	64.6
45°	69.5	67.8	66.2	64.6	63.0	63.0	63.0	63.0	63.0	63.0	61.4
47.5°	67.8	66.2	64.6	63.0	61.4	59.8	59.8	59.8	59.8	59.8	59.8
50°	66.2	64.6	61.4	61.4	59.8	58.2	58.2	58.2	58.2	58.2	58.2
52.5°	63.0	63.0	59.8	58.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5
55°	59.8	59.8	56.5	54.9	53.3	53.3	53.3	53.3	54.9	54.9	54.9
57.5°	58.2	56.5	53.3	53.3	50.1	50.1	50.1	51.7	51.7	53.3	53.3
60°	54.9	53.3	51.7	50.1	50.1	48.5	48.5	48.5	48.5	50.1	50.1
62.5°	53.3	51.7	48.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
65°	50.1	50.1	46.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
67.5°	46.8	46.8	43.6	42.0	42.0	42.0	43.6	42.0	42.0	42.0	42.0
70°	43.6	42.0	40.4	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
72.5°	38.8	38.8	37.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5	37.2
75°	33.9	32.3	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
77.5°	29.1	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	27.5
80°	21.0	19.4	19.4	19.4	19.4	21.0	21.0	21.0	21.0	21.0	21.0
82.5°	12.9	11.3	11.3	11.3	12.9	14.5	14.5	14.5	14.5	16.2	16.2
85°	3.2	3.2	3.2	3.2	6.5	8.1	8.1	8.1	9.7	8.1	8.1
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°	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1
2.5°	920.7	940.1	940.1	927.2	933.6	927.2	925.6	936.9	943.3	964.3	977.3
5°	712.3	736.6	738.2	731.7	739.8	735.0	739.8	754.3	765.7	780.2	793.1
7.5°	508.8	531.4	536.3	531.4	546.0	544.4	547.6	563.7	573.4	581.5	583.1
10°	358.6	361.8	374.8	371.5	381.2	379.6	384.4	397.4	410.3	415.1	418.4
12.5°	269.8	266.5	271.4	264.9	269.8	269.8	271.4	279.4	295.6	302.1	318.2
15°	218.1	214.8	214.8	211.6	211.6	210.0	211.6	218.1	229.4	239.1	252.0
17.5°	185.8	185.8	185.8	184.1	182.5	182.5	184.1	187.4	193.8	200.3	206.8
20°	166.4	169.6	171.2	172.8	174.5	176.1	177.7	182.5	180.9	174.5	166.4
22.5°	145.4	145.4	147.0	147.0	145.4	145.4	145.4	145.4	145.4	150.2	155.1
25°	121.1	121.1	121.1	122.8	121.1	121.1	122.8	122.8	124.4	127.6	132.5
27.5°	109.8	109.8	109.8	109.8	109.8	109.8	109.8	111.5	113.1	117.9	121.1
30°	101.8	101.8	100.1	100.1	100.1	98.5	100.1	100.1	101.8	108.2	113.1
32.5°	93.7	92.1	92.1	92.1	90.5	90.5	90.5	93.7	95.3	98.5	103.4
35°	82.4	82.4	82.4	84.0	84.0	84.0	84.0	87.2	87.2	88.8	88.8
37.5°	74.3	74.3	75.9	77.5	77.5	79.1	79.1	80.8	82.4	80.8	79.1
40°	67.8	69.5	69.5	72.7	72.7	72.7	74.3	75.9	77.5	74.3	74.3
42.5°	64.6	64.6	64.6	66.2	66.2	66.2	67.8	69.5	71.1	71.1	71.1
45°	61.4	61.4	61.4	63.0	61.4	61.4	61.4	63.0	66.2	66.2	67.8
47.5°	59.8	59.8	59.8	58.2	58.2	58.2	58.2	59.8	61.4	64.6	66.2
50°	58.2	56.5	56.5	56.5	56.5	56.5	56.5	58.2	59.8	61.4	64.6
52.5°	54.9	54.9	54.9	54.9	54.9	54.9	54.9	56.5	58.2	59.8	61.4
55°	54.9	54.9	53.3	53.3	54.9	54.9	54.9	56.5	58.2	59.8	59.8
57.5°	53.3	51.7	51.7	53.3	53.3	53.3	53.3	54.9	56.5	58.2	58.2
60°	50.1	50.1	50.1	50.1	51.7	51.7	53.3	54.9	54.9	56.5	56.5
62.5°	46.8	48.5	48.5	48.5	50.1	50.1	51.7	53.3	54.9	56.5	54.9
65°	45.2	46.8	46.8	46.8	48.5	48.5	48.5	51.7	53.3	53.3	54.9
67.5°	43.6	43.6	43.6	45.2	45.2	46.8	46.8	50.1	50.1	51.7	53.3
70°	40.4	40.4	40.4	42.0	42.0	43.6	45.2	46.8	46.8	48.5	50.1
72.5°	37.2	37.2	37.2	38.8	38.8	40.4	42.0	45.2	43.6	45.2	45.2
75°	32.3	32.3	33.9	33.9	35.5	37.2	38.8	38.8	38.8	38.8	38.8
77.5°	27.5	27.5	29.1	29.1	30.7	32.3	32.3	32.3	33.9	32.3	32.3
80°	22.6	22.6	24.2	24.2	24.2	24.2	25.8	24.2	25.8	24.2	25.8
82.5°	16.2	16.2	17.8	16.2	17.8	16.2	16.2	14.5	17.8	16.2	16.2
85°	6.5	8.1	8.1	8.1	8.1	6.5	6.5	4.8	6.5	6.5	4.8
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°	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1
2.5°	982.1	980.5	1004.7	1022.5	1033.8	1077.4	1096.8	1121.0	1132.3	1148.5	1164.6
5°	794.7	791.5	820.6	843.2	862.6	925.6	962.7	996.6	1024.1	1049.9	1087.1
7.5°	568.6	562.1	581.5	600.9	626.7	694.6	759.2	804.4	844.8	888.4	936.9
10°	420.0	424.8	444.2	473.3	507.2	558.9	610.6	642.9	678.4	726.9	785.0
12.5°	336.0	355.4	371.5	407.1	447.4	505.6	560.5	586.4	612.2	636.4	667.1
15°	269.8	281.1	294.0	327.9	376.4	444.2	508.8	537.9	568.6	597.7	625.1
17.5°	208.4	213.2	219.7	243.9	287.5	368.3	439.4	476.5	512.1	552.4	589.6
20°	166.4	166.4	168.0	179.3	210.0	273.0	360.2	407.1	452.3	504.0	557.3
22.5°	145.4	143.8	145.4	150.2	164.8	201.9	281.1	336.0	394.1	458.7	525.0
25°	137.3	135.7	134.1	137.3	145.4	163.1	219.7	277.8	337.6	415.1	495.9
27.5°	124.4	126.0	127.6	130.8	137.3	147.0	182.5	226.1	292.4	378.0	474.9
30°	116.3	117.9	119.5	122.8	134.1	145.4	166.4	193.8	250.4	334.4	442.6
32.5°	106.6	108.2	109.8	111.5	114.7	127.6	142.1	164.8	213.2	295.6	408.7
35°	87.2	87.2	88.8	93.7	100.1	113.1	127.6	145.4	190.6	269.8	387.7
37.5°	80.8	80.8	82.4	87.2	93.7	105.0	117.9	134.1	180.9	260.1	368.3
40°	75.9	77.5	77.5	82.4	88.8	101.8	109.8	129.2	176.1	245.5	348.9
42.5°	72.7	72.7	74.3	79.1	87.2	96.9	108.2	126.0	163.1	232.6	337.6
45°	69.5	71.1	71.1	75.9	85.6	93.7	109.8	119.5	155.1	222.9	327.9
47.5°	67.8	67.8	69.5	74.3	84.0	95.3	106.6	113.1	147.0	214.8	319.8
50°	64.6	66.2	67.8	72.7	82.4	105.0	101.8	108.2	140.5	208.4	315.0
52.5°	63.0	64.6	66.2	71.1	82.4	106.6	98.5	101.8	135.7	201.9	311.8
55°	61.4	61.4	63.0	69.5	82.4	98.5	92.1	98.5	126.0	192.2	303.7
57.5°	58.2	59.8	61.4	66.2	80.8	90.5	87.2	93.7	116.3	176.1	292.4
60°	58.2	58.2	59.8	64.6	80.8	80.8	82.4	88.8	105.0	156.7	273.0
62.5°	56.5	56.5	58.2	64.6	82.4	72.7	77.5	84.0	96.9	140.5	248.8
65°	54.9	54.9	56.5	61.4	71.1	69.5	74.3	79.1	93.7	129.2	227.8
67.5°	51.7	51.7	53.3	58.2	63.0	64.6	71.1	75.9	92.1	127.6	208.4
70°	48.5	48.5	48.5	53.3	56.5	61.4	66.2	72.7	92.1	126.0	193.8
72.5°	45.2	43.6	45.2	48.5	51.7	54.9	59.8	67.8	90.5	127.6	187.4
75°	38.8	38.8	38.8	42.0	45.2	48.5	53.3	63.0	85.6	119.5	168.0
77.5°	32.3	32.3	30.7	35.5	38.8	40.4	45.2	54.9	74.3	101.8	135.7
80°	24.2	22.6	22.6	27.5	29.1	32.3	35.5	42.0	58.2	74.3	100.1
82.5°	14.5	12.9	12.9	17.8	19.4	21.0	27.5	30.7	38.8	48.5	67.8
85°	4.8	4.8	4.8	8.1	9.7	11.3	16.2	17.8	24.2	30.7	35.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.8	8.1	9.7	8.1
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°	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	0°
2.5°	1184.0	1200.2	1221.2	1240.6	1255.1	1268.0	1284.2	1284.2	1303.6	1310.0	1322.9	2.5°
5°	1116.2	1146.9	1192.1	1229.2	1274.5	1318.1	1358.5	1381.1	1419.9	1445.7	1471.5	5°
7.5°	978.9	1020.9	1077.4	1129.1	1195.3	1266.4	1332.6	1394.0	1458.6	1513.5	1553.9	7.5°
10°	835.1	893.3	953.0	1019.3	1090.3	1166.2	1247.0	1329.4	1406.9	1484.5	1550.7	10°
12.5°	717.2	783.4	851.3	933.6	1016.0	1096.8	1192.1	1263.2	1343.9	1421.5	1486.1	12.5°
15°	667.1	725.3	804.4	894.9	982.1	1064.5	1153.3	1226.0	1301.9	1364.9	1410.2	15°
17.5°	646.1	720.4	810.9	906.2	999.9	1100.0	1179.2	1240.6	1297.1	1326.2	1332.6	17.5°
20°	623.5	725.3	846.4	962.7	1077.4	1182.4	1240.6	1280.9	1290.6	1289.0	1264.8	20°
22.5°	610.6	741.4	891.6	1054.8	1198.6	1321.3	1361.7	1353.6	1313.2	1261.6	1221.2	22.5°
25°	607.4	778.6	969.2	1185.6	1361.7	1484.5	1507.1	1461.8	1371.4	1271.2	1203.4	25°
27.5°	610.6	820.6	1066.1	1326.2	1532.9	1658.9	1650.8	1583.0	1453.8	1313.2	1205.0	27.5°
30°	596.0	864.2	1163.0	1448.9	1654.1	1759.1	1726.8	1625.0	1481.2	1340.7	1226.0	30°
32.5°	571.8	896.5	1248.6	1547.5	1780.1	1859.2	1801.1	1691.2	1542.6	1398.9	1280.9	32.5°
35°	544.4	911.0	1310.0	1639.5	1915.8	1957.7	1864.1	1752.6	1616.9	1471.5	1343.9	35°
37.5°	515.3	912.6	1368.2	1736.5	2046.6	2064.4	1928.7	1809.1	1676.7	1545.8	1429.5	37.5°
40°	499.1	906.2	1427.9	1856.0	2187.1	2162.9	1996.5	1856.0	1725.1	1625.0	1529.7	40°
42.5°	492.7	894.9	1471.5	1946.4	2308.3	2255.0	2059.5	1902.8	1784.9	1700.9	1634.7	42.5°
45°	492.7	883.6	1511.9	2014.3	2398.7	2329.3	2119.3	1948.1	1843.1	1791.4	1759.1	45°
47.5°	494.3	888.4	1560.4	2124.1	2476.3	2400.3	2166.1	2014.3	1923.8	1904.4	1915.8	47.5°
50°	502.4	943.3	1642.8	2245.3	2573.2	2476.3	2229.1	2088.6	2033.7	2053.1	2117.7	50°
52.5°	515.3	1030.6	1784.9	2389.0	2723.4	2597.4	2334.1	2195.2	2169.4	2238.8	2361.6	52.5°
55°	528.2	1119.4	1970.7	2629.7	2965.7	2817.1	2519.9	2381.0	2350.3	2456.9	2632.9	55°
57.5°	539.5	1185.6	2151.6	2868.8	3175.7	3062.6	2765.4	2597.4	2584.5	2699.2	2891.4	57.5°
60°	550.8	1237.3	2256.6	2975.4	3271.0	3259.7	3019.0	2863.9	2844.5	2951.2	3133.7	60°
62.5°	544.4	1217.9	2285.7	2922.1	3262.9	3356.6	3225.8	3115.9	3049.7	3138.5	3316.2	62.5°
65°	520.1	1116.2	2193.6	2737.9	3145.0	3298.4	3309.8	3283.9	3164.4	3170.8	3296.8	65°
67.5°	453.9	938.5	1910.9	2447.2	2914.0	3096.5	3287.1	3279.1	3127.2	2993.2	3019.0	67.5°
70°	376.4	736.6	1558.8	2083.7	2586.1	2742.8	3046.5	3107.8	2891.4	2641.0	2523.1	70°
72.5°	316.6	550.8	1198.6	1613.7	2072.4	2255.0	2705.6	2791.2	2495.6	2143.5	1961.0	72.5°
75°	263.3	389.3	843.2	1111.3	1429.5	1670.2	2361.6	2369.7	2025.6	1686.4	1489.3	75°
77.5°	195.5	264.9	610.6	777.0	982.1	1188.9	1909.3	1930.3	1607.2	1279.3	1109.7	77.5°
80°	130.8	163.1	389.3	542.7	660.7	796.3	1400.5	1311.6	1061.3	886.8	843.2	80°
82.5°	79.1	95.3	224.5	379.6	416.7	495.9	880.3	822.2	699.4	639.7	655.8	82.5°
85°	43.6	59.8	137.3	248.8	193.8	271.4	481.4	470.1	441.0	386.1	336.0	85°
87.5°	11.3	12.9	30.7	11.3	4.8	14.5	93.7	61.4	61.4	35.5	12.9	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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**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

305°	310°	315°	325°	335°	340°	342.5°	345°	347.5°	350°	352.5°	355°
1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	0° 1129.1
1311.6	1316.5	1314.9	1303.6	1274.5	1263.2	1258.3	1245.4	1230.9	1230.9	1217.9	2.5° 1214.7
1469.9	1478.0	1468.3	1440.9	1366.5	1331.0	1310.0	1284.2	1263.2	1243.8	1224.4	5° 1196.9
1581.4	1587.8	1571.7	1508.7	1376.2	1316.5	1284.2	1253.5	1227.6	1193.7	1163.0	7.5° 1135.6
1602.4	1616.9	1599.2	1508.7	1355.2	1280.9	1245.4	1211.5	1174.3	1138.8	1095.2	10° 1061.3
1542.6	1573.3	1560.4	1494.2	1345.5	1266.4	1224.4	1184.0	1138.8	1101.6	1051.6	12.5° 1019.3
1450.5	1453.8	1461.8	1460.2	1327.8	1250.2	1208.2	1166.2	1125.9	1090.3	1046.7	15° 1006.3
1348.8	1345.5	1355.2	1385.9	1322.9	1261.6	1234.1	1193.7	1164.6	1124.3	1090.3	17.5° 1045.1
1256.7	1251.9	1261.6	1292.2	1303.6	1289.0	1277.7	1253.5	1230.9	1205.0	1177.6	20° 1133.9
1198.6	1182.4	1180.8	1226.0	1313.2	1352.0	1360.1	1356.9	1355.2	1335.9	1316.5	22.5° 1266.4
1166.2	1148.5	1156.6	1208.2	1353.6	1426.3	1463.5	1476.4	1494.2	1494.2	1494.2	25° 1445.7
1156.6	1137.2	1148.5	1206.6	1395.6	1516.8	1570.1	1602.4	1636.3	1650.8	1660.5	27.5° 1629.8
1163.0	1143.6	1148.5	1217.9	1416.6	1537.8	1600.8	1647.6	1700.9	1736.5	1760.7	30° 1736.5
1200.2	1166.2	1163.0	1251.9	1455.4	1584.6	1650.8	1704.1	1763.9	1804.3	1847.9	32.5° 1844.7
1250.2	1201.8	1195.3	1306.8	1505.5	1644.4	1710.6	1757.5	1818.8	1873.8	1936.7	35° 1959.4
1334.2	1274.5	1264.8	1398.9	1573.3	1694.5	1760.7	1822.1	1888.3	1959.4	2040.1	37.5° 2093.4
1447.3	1387.5	1387.5	1516.8	1665.4	1763.9	1836.6	1901.2	1973.9	2069.2	2167.7	40° 2253.3
1574.9	1536.2	1542.6	1658.9	1770.4	1851.1	1920.6	1990.1	2066.0	2161.3	2276.0	42.5° 2385.8
1744.5	1723.5	1755.8	1838.2	1877.0	1931.9	1993.3	2054.7	2137.0	2235.6	2366.4	45° 2482.7
1943.2	1961.0	2006.2	2032.1	1985.2	2014.3	2062.7	2119.3	2216.2	2316.3	2445.6	47.5° 2571.6
2192.0	2238.8	2282.4	2276.0	2119.3	2109.6	2154.8	2198.4	2295.3	2410.0	2547.3	50° 2683.0
2477.9	2539.3	2569.9	2534.4	2269.5	2213.0	2250.1	2309.9	2416.5	2547.3	2700.8	52.5° 2833.2
2768.6	2842.9	2833.2	2792.9	2432.6	2356.7	2379.3	2450.4	2581.3	2729.9	2923.7	55° 3054.5
3031.9	3090.1	3115.9	3028.7	2631.3	2531.2	2557.0	2631.3	2770.2	2936.6	3135.3	57.5° 3264.5
3240.3	3303.3	3303.3	3217.7	2847.8	2731.5	2775.1	2847.8	2967.3	3132.1	3317.8	60° 3429.3
3392.1	3442.2	3424.4	3342.1	3033.5	2944.7	2978.6	3078.8	3187.0	3309.8	3456.7	62.5° 3513.3
3380.8	3385.7	3366.3	3335.6	3145.0	3135.3	3199.9	3277.5	3367.9	3414.8	3497.1	65° 3518.1
3062.6	3064.2	3103.0	3090.1	3061.0	3180.5	3264.5	3329.1	3408.3	3408.3	3398.6	67.5° 3408.3
2510.2	2536.0	2602.3	2582.9	2731.5	2977.0	3073.9	3172.5	3241.9	3241.9	3159.5	70° 3112.7
1910.9	1927.1	2006.2	1988.4	2190.4	2460.1	2673.3	2838.1	2905.9	2947.9	2842.9	72.5° 2615.2
1390.8	1389.2	1423.1	1397.2	1652.5	1952.9	2172.6	2377.7	2489.2	2524.7	2334.1	75° 1917.4
1070.9	1041.9	1035.4	1038.6	1171.1	1419.9	1594.3	1725.1	1739.7	1744.5	1487.7	77.5° 1161.4
864.2	864.2	854.5	819.0	717.2	830.3	919.1	1022.5	1059.6	1112.9	891.6	80° 654.2
689.7	662.3	613.8	544.4	460.4	491.1	533.1	571.8	634.8	657.4	542.7	82.5° 371.5
344.1	334.4	292.4	242.3	201.9	268.1	298.8	302.1	302.1	279.4	227.8	85° 151.8
1.6	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°
1129.1	1129.1
1195.3	1198.6
1169.5	1159.8
1088.7	1074.2
1001.5	990.2
951.4	936.9
941.7	925.6
975.6	956.3
1051.6	1028.9
1172.7	1145.3
1339.1	1311.6
1502.2	1466.7
1618.5	1583.0
1731.6	1689.6
1844.7	1802.7
1996.5	1959.4
2164.5	2111.2
2303.4	2253.3
2413.3	2361.6
2518.3	2466.6
2637.8	2602.3
2817.1	2786.4
3090.1	3046.5
3290.4	3271.0
3393.8	3369.5
3426.1	3385.7
<b>3384.1</b>	<b>3322.7</b>
3251.6	3180.5
2931.8	2838.1
2337.3	2274.3
1576.5	1539.4
906.2	857.7
520.1	504.0
292.4	308.5
75.9	84.0
0.0	0.0
0.0	0.0

(END OF REPORT)