

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: P228633

Luminaire Tested: **ISS-AF-1000-LED-E1-SLR-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228633
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-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: 4823 lumens
Efficiency: N/A
Efficacy: 88.3 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

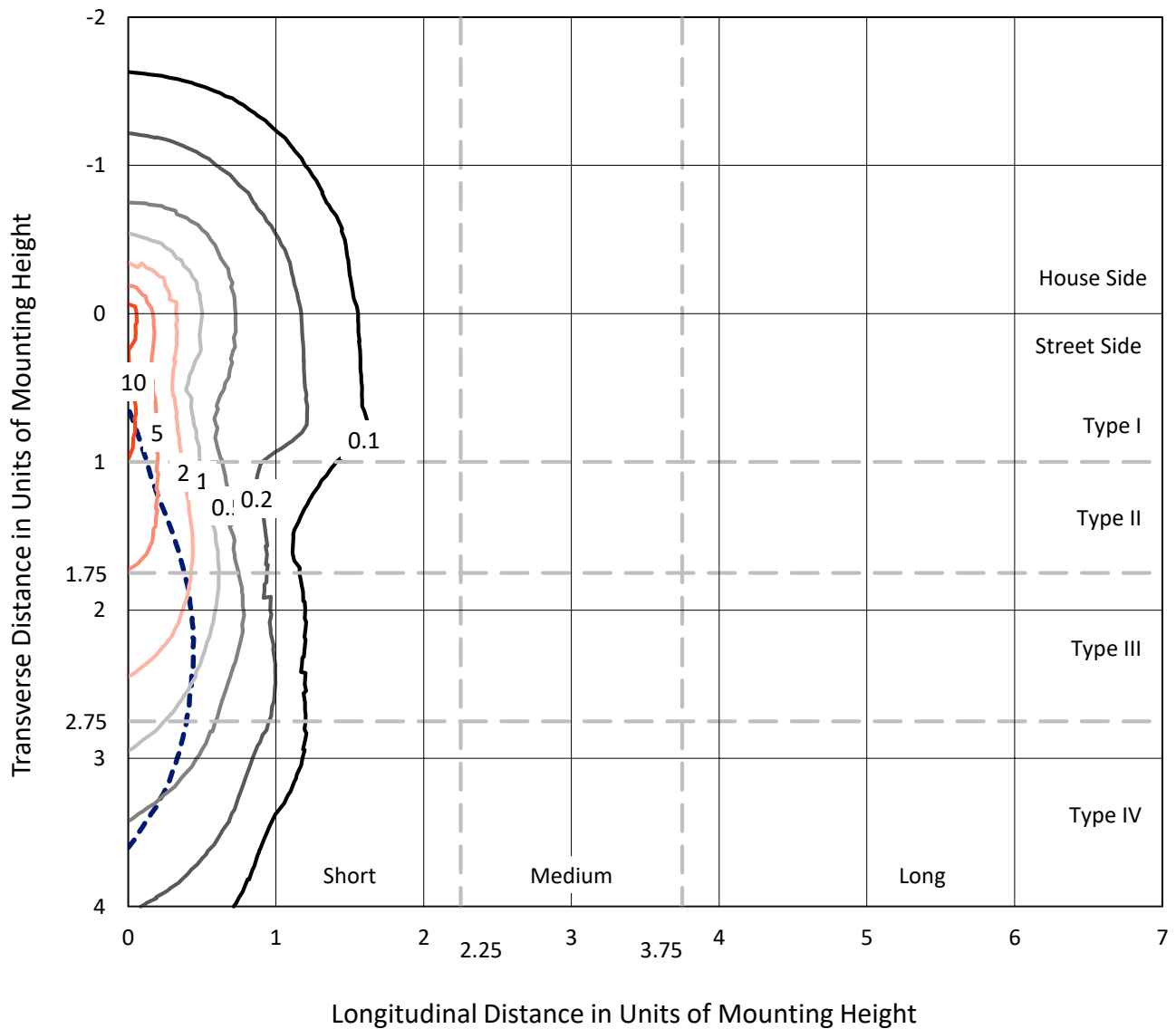
Input Watts (W): 54.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

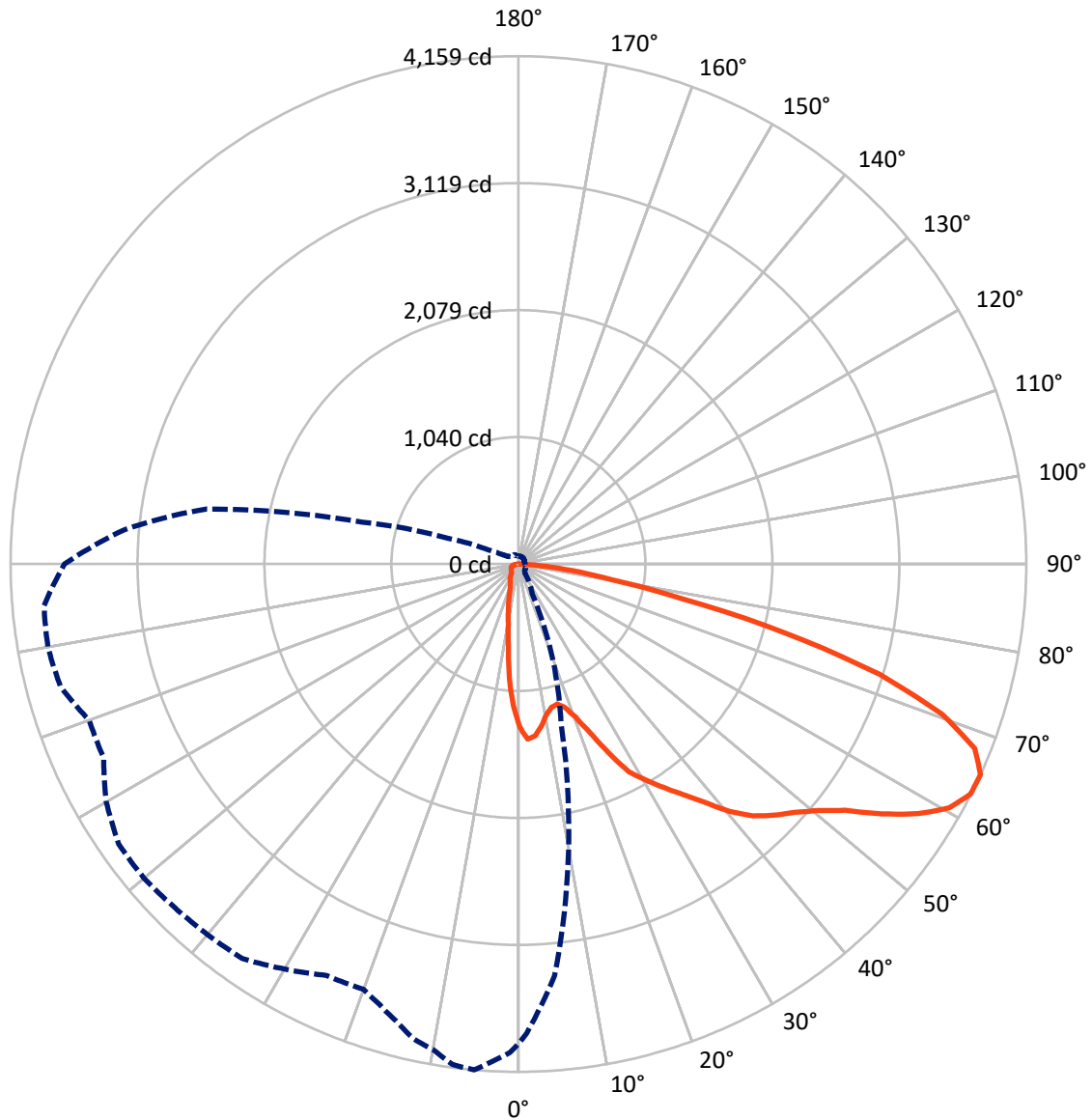
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 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
House Side	Lumens	802.0	0.0	802.0
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	4021.0	0.0	4021.0
	% Fixture	83.4	0.0	83.4
Total	Lumens	4823.0	0.0	4823.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.5	2.1
10°-20°	211.2	4.4
20°-30°	307.0	6.4
30°-40°	454.0	9.4
40°-50°	661.6	13.7
50°-60°	991.7	20.6
60°-70°	1235.8	25.6
70°-80°	723.9	15.0
80°-90°	135.4	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°	4823.0	100.0
0°-180°	4823.0	100.0

Coefficient of Utilization



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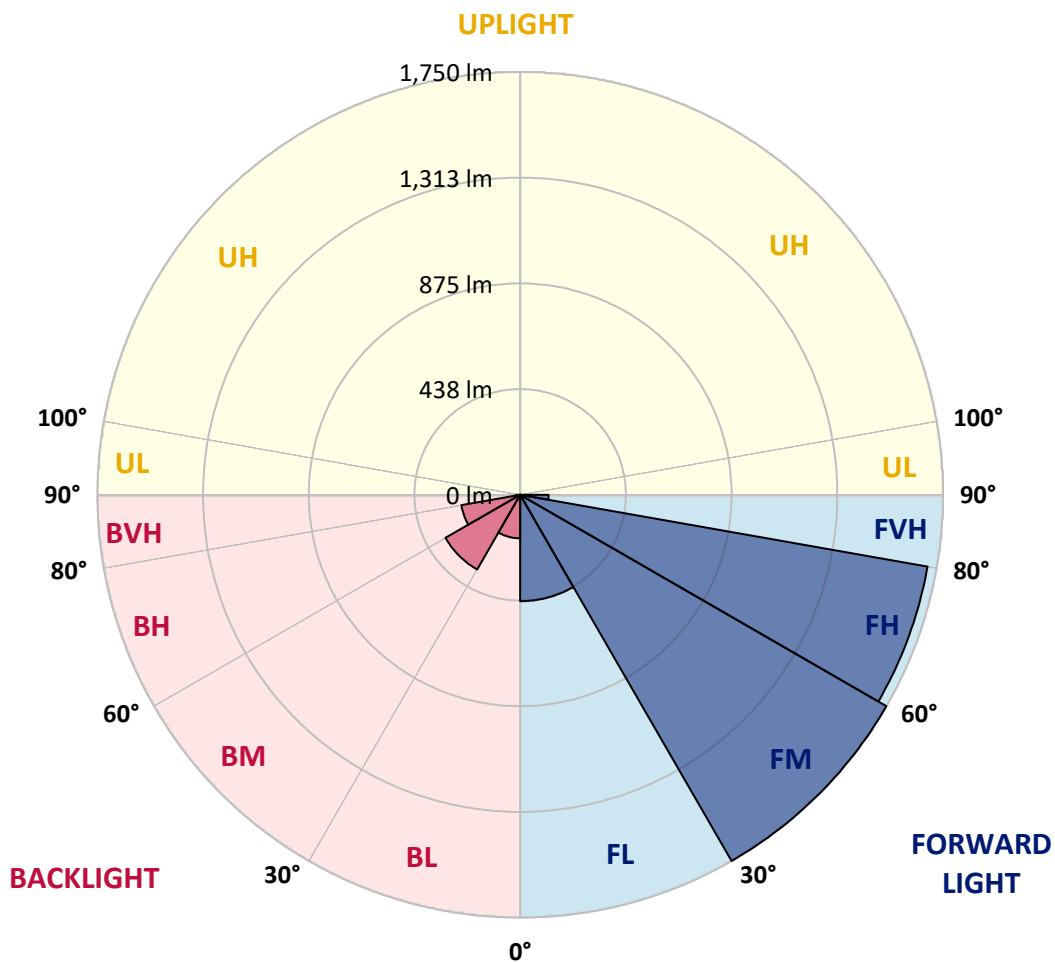
CATALOG NUMBER: ISS-AF-1000-LED-E1-SLR-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	440.6	9.1			
FM	(30°-60°)	1750.4	36.3			
FH	(60°-80°)	1712.2	35.5			G1/1800
FVH	(80°-90°)	117.9	2.4			G2/225
BL	(0°-30°)	180.1	3.7	B1/500		
BM	(30°-60°)	356.9	7.4	B1/1000		
BH	(60°-80°)	247.5	5.1	B1/500		G1/500
BVH	(80°-90°)	17.4	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°	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7
2.5°	1416.8	1405.4	1382.5	1336.6	1288.9	1243.1	1235.4	1218.2	1220.1	1210.6	1206.8
5°	1371.0	1355.7	1308.0	1212.5	1130.4	1046.4	1040.7	1006.3	1010.1	989.1	977.6
7.5°	1269.8	1248.8	1195.3	1063.6	949.0	838.3	826.8	786.7	781.0	760.0	742.8
10°	1170.5	1149.5	1082.7	931.8	800.1	718.0	704.6	685.5	670.2	660.7	643.5
12.5°	1107.5	1096.0	1015.8	842.1	739.0	672.1	654.9	635.9	620.6	603.4	586.2
15°	1094.1	1071.2	989.1	813.4	693.1	611.0	590.0	569.0	551.8	534.6	509.8
17.5°	1130.4	1107.5	1015.8	800.1	641.6	542.3	515.6	486.9	469.7	448.7	422.0
20°	1216.3	1180.0	1067.4	781.0	586.2	462.1	429.6	395.3	376.2	339.9	320.8
22.5°	1353.8	1308.0	1155.2	781.0	534.6	378.1	341.8	311.2	290.2	257.8	236.8
25°	1550.5	1510.4	1298.4	802.0	488.8	307.4	271.1	240.6	219.6	196.7	183.3
27.5°	1733.8	1670.8	1451.2	832.5	452.5	257.8	221.5	196.7	181.4	169.9	162.3
30°	1871.3	1819.7	1584.9	853.5	399.1	215.8	192.9	177.6	169.9	164.2	160.4
32.5°	1997.3	1938.1	1680.3	866.9	366.6	183.3	162.3	150.8	143.2	135.6	133.7
35°	2131.0	2073.7	1793.0	865.0	345.6	168.0	147.0	133.7	126.0	124.1	120.3
37.5°	2316.2	2237.9	1922.8	865.0	338.0	162.3	137.5	124.1	118.4	114.6	112.7
40°	2495.7	2407.8	2066.0	870.7	330.3	158.5	137.5	124.1	114.6	110.7	106.9
42.5°	2663.7	2566.3	2195.9	880.3	326.5	147.0	129.8	122.2	118.4	110.7	105.0
45°	2791.6	2715.3	2297.1	899.4	326.5	139.4	122.2	116.5	114.6	114.6	112.7
47.5°	2915.8	2829.8	2413.6	935.6	332.2	133.7	116.5	108.8	108.8	108.8	110.7
50°	3076.1	2974.9	2574.0	1010.1	332.2	131.8	110.7	103.1	101.2	105.0	105.0
52.5°	3293.8	3221.3	2808.8	1117.0	328.4	129.8	108.8	97.4	95.5	97.4	101.2
55°	3601.2	3519.1	3093.3	1248.8	324.6	126.0	105.0	95.5	91.7	89.7	91.7
57.5°	3866.7	3796.0	3354.9	1353.8	315.1	116.5	101.2	93.6	87.8	85.9	84.0
60°	3983.1	3923.9	3523.0	1424.5	297.9	106.9	95.5	89.7	84.0	82.1	80.2
62.5°	4002.2	3927.8	3524.9	1439.7	278.8	97.4	89.7	84.0	80.2	78.3	76.4
65°	3927.8	3843.7	3385.5	1346.2	263.5	97.4	85.9	80.2	74.5	72.6	70.7
67.5°	3759.7	3629.9	3032.2	1141.9	250.1	99.3	84.0	74.5	70.7	68.7	66.8
70°	3354.9	3209.8	2560.6	907.0	244.4	101.2	84.0	70.7	64.9	63.0	63.0
72.5°	2688.5	2522.4	1997.3	683.6	234.9	103.1	82.1	66.8	61.1	57.3	57.3
75°	1819.7	1674.6	1353.8	462.1	194.8	89.7	74.5	61.1	53.5	49.6	47.7
77.5°	1013.9	966.2	861.2	244.4	124.1	66.8	57.3	49.6	43.9	42.0	40.1
80°	595.8	570.9	507.9	135.6	76.4	38.2	34.4	32.5	28.6	28.6	28.6
82.5°	364.7	339.9	315.1	61.1	36.3	19.1	19.1	15.3	15.3	13.4	13.4
85°	99.3	91.7	127.9	13.4	3.8	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°	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7
2.5°	1191.5	1187.7	1187.7	1159.0	1159.0	1143.8	1139.9	1139.9	1145.7	1141.9	1118.9
5°	958.6	947.1	939.5	905.1	895.5	878.4	870.7	868.8	874.5	865.0	834.4
7.5°	721.8	712.2	700.8	674.0	662.6	660.7	637.8	632.0	628.2	620.6	601.5
10°	630.1	616.8	607.2	588.1	574.7	565.2	546.1	536.6	528.9	517.5	511.7
12.5°	567.1	553.7	540.4	515.6	498.4	486.9	475.5	456.4	448.7	435.4	427.7
15°	488.8	473.5	458.3	431.5	408.6	397.2	374.3	362.8	355.2	339.9	332.2
17.5°	393.3	372.3	355.2	330.3	318.9	299.8	286.4	267.3	252.0	246.3	240.6
20°	296.0	276.9	261.6	240.6	229.1	213.9	206.2	192.9	185.2	181.4	177.6
22.5°	217.7	202.4	192.9	181.4	175.7	169.9	166.1	162.3	158.5	156.6	156.6
25°	171.9	166.1	162.3	158.5	156.6	154.7	150.8	148.9	147.0	145.1	145.1
27.5°	156.6	152.8	150.8	148.9	147.0	143.2	143.2	139.4	137.5	137.5	135.6
30°	158.5	158.5	158.5	154.7	152.8	148.9	147.0	141.3	137.5	133.7	131.8
32.5°	129.8	129.8	127.9	124.1	122.2	120.3	120.3	116.5	114.6	114.6	118.4
35°	118.4	116.5	114.6	110.7	108.8	105.0	103.1	101.2	99.3	97.4	97.4
37.5°	112.7	110.7	108.8	105.0	103.1	101.2	99.3	95.5	93.6	93.6	91.7
40°	106.9	106.9	106.9	103.1	101.2	97.4	95.5	93.6	91.7	89.7	89.7
42.5°	103.1	103.1	103.1	101.2	99.3	97.4	93.6	91.7	89.7	87.8	85.9
45°	105.0	103.1	103.1	101.2	99.3	95.5	93.6	89.7	87.8	85.9	84.0
47.5°	112.7	110.7	106.9	103.1	99.3	95.5	91.7	87.8	85.9	84.0	82.1
50°	106.9	114.6	116.5	110.7	101.2	95.5	91.7	87.8	84.0	82.1	80.2
52.5°	105.0	106.9	114.6	114.6	105.0	97.4	91.7	87.8	84.0	80.2	78.3
55°	95.5	101.2	103.1	105.0	103.1	95.5	89.7	84.0	82.1	78.3	74.5
57.5°	84.0	87.8	89.7	93.6	95.5	93.6	85.9	80.2	78.3	74.5	70.7
60°	78.3	78.3	78.3	80.2	89.7	97.4	89.7	78.3	72.6	70.7	66.8
62.5°	72.6	72.6	70.7	72.6	74.5	84.0	82.1	74.5	70.7	68.7	64.9
65°	70.7	68.7	66.8	66.8	66.8	66.8	66.8	66.8	64.9	64.9	63.0
67.5°	64.9	63.0	63.0	61.1	61.1	61.1	61.1	61.1	59.2	59.2	57.3
70°	61.1	59.2	57.3	57.3	57.3	55.4	55.4	55.4	53.5	53.5	53.5
72.5°	55.4	53.5	53.5	53.5	51.6	51.6	51.6	49.6	49.6	47.7	47.7
75°	47.7	47.7	45.8	45.8	45.8	43.9	43.9	43.9	43.9	42.0	42.0
77.5°	40.1	38.2	40.1	38.2	38.2	38.2	38.2	38.2	36.3	36.3	34.4
80°	26.7	26.7	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	26.7
82.5°	15.3	13.4	15.3	15.3	15.3	17.2	17.2	19.1	17.2	17.2	15.3
85°	0.0	0.0	0.0	0.0	0.0	1.9	1.9	3.8	3.8	3.8	3.8
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):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7
2.5°	1130.4	1128.5	1109.4	1113.2	1107.5	1096.0	1097.9	1099.9	1103.7	1096.0	1092.2
5°	849.7	851.6	826.8	834.4	828.7	826.8	832.5	842.1	847.8	845.9	840.2
7.5°	603.4	605.3	584.3	582.4	576.7	574.7	582.4	591.9	597.7	595.8	597.7
10°	498.4	492.6	473.5	460.2	446.8	435.4	433.4	433.4	433.4	429.6	425.8
12.5°	412.4	406.7	383.8	372.3	360.9	345.6	343.7	341.8	336.1	330.3	322.7
15°	320.8	315.1	296.0	288.3	278.8	273.1	271.1	271.1	267.3	263.5	259.7
17.5°	233.0	229.1	217.7	210.0	208.1	210.0	212.0	215.8	217.7	219.6	219.6
20°	175.7	173.8	169.9	169.9	171.9	177.6	179.5	185.2	187.1	190.9	194.8
22.5°	154.7	154.7	152.8	152.8	156.6	162.3	166.1	168.0	169.9	171.9	171.9
25°	143.2	143.2	141.3	145.1	150.8	150.8	150.8	150.8	147.0	145.1	145.1
27.5°	135.6	135.6	135.6	137.5	135.6	133.7	133.7	133.7	131.8	131.8	129.8
30°	129.8	129.8	129.8	127.9	127.9	126.0	126.0	124.1	124.1	122.2	122.2
32.5°	120.3	116.5	120.3	116.5	116.5	114.6	116.5	116.5	112.7	112.7	112.7
35°	95.5	93.6	93.6	93.6	91.7	93.6	97.4	97.4	97.4	97.4	97.4
37.5°	89.7	89.7	87.8	85.9	85.9	84.0	85.9	84.0	84.0	84.0	85.9
40°	87.8	85.9	84.0	84.0	82.1	80.2	80.2	80.2	80.2	80.2	80.2
42.5°	84.0	84.0	80.2	78.3	78.3	76.4	76.4	76.4	76.4	76.4	76.4
45°	82.1	80.2	78.3	76.4	74.5	74.5	74.5	74.5	74.5	74.5	72.6
47.5°	80.2	78.3	76.4	74.5	72.6	70.7	70.7	70.7	70.7	70.7	70.7
50°	78.3	76.4	72.6	72.6	70.7	68.7	68.7	68.7	68.7	68.7	68.7
52.5°	74.5	74.5	70.7	68.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
55°	70.7	70.7	66.8	64.9	63.0	63.0	63.0	63.0	64.9	64.9	64.9
57.5°	68.7	66.8	63.0	63.0	59.2	59.2	59.2	61.1	61.1	63.0	63.0
60°	64.9	63.0	61.1	59.2	59.2	57.3	57.3	57.3	57.3	59.2	59.2
62.5°	63.0	61.1	57.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
65°	59.2	59.2	55.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
67.5°	55.4	55.4	51.6	49.6	49.6	49.6	51.6	49.6	49.6	49.6	49.6
70°	51.6	49.6	47.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
72.5°	45.8	45.8	43.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	43.9
75°	40.1	38.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
77.5°	34.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	32.5
80°	24.8	22.9	22.9	22.9	22.9	24.8	24.8	24.8	24.8	24.8	24.8
82.5°	15.3	13.4	13.4	13.4	15.3	17.2	17.2	17.2	17.2	19.1	19.1
85°	3.8	3.8	3.8	3.8	7.6	9.5	9.5	9.5	11.5	9.5	9.5
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°	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7
2.5°	1088.4	1111.3	1111.3	1096.0	1103.7	1096.0	1094.1	1107.5	1115.1	1139.9	1155.2
5°	842.1	870.7	872.6	865.0	874.5	868.8	874.5	891.7	905.1	922.3	937.5
7.5°	601.5	628.2	633.9	628.2	645.4	643.5	647.3	666.4	677.9	687.4	689.3
10°	423.9	427.7	443.0	439.2	450.6	448.7	454.5	469.7	485.0	490.7	494.6
12.5°	318.9	315.1	320.8	313.2	318.9	318.9	320.8	330.3	349.4	357.1	376.2
15°	257.8	254.0	254.0	250.1	250.1	248.2	250.1	257.8	271.1	282.6	297.9
17.5°	219.6	219.6	219.6	217.7	215.8	215.8	217.7	221.5	229.1	236.8	244.4
20°	196.7	200.5	202.4	204.3	206.2	208.1	210.0	215.8	213.9	206.2	196.7
22.5°	171.9	171.9	173.8	173.8	171.9	171.9	171.9	171.9	171.9	177.6	183.3
25°	143.2	143.2	143.2	145.1	143.2	143.2	145.1	145.1	147.0	150.8	156.6
27.5°	129.8	129.8	129.8	129.8	129.8	129.8	129.8	131.8	133.7	139.4	143.2
30°	120.3	120.3	118.4	118.4	118.4	116.5	118.4	118.4	120.3	127.9	133.7
32.5°	110.7	108.8	108.8	108.8	106.9	106.9	106.9	110.7	112.7	116.5	122.2
35°	97.4	97.4	97.4	99.3	99.3	99.3	99.3	103.1	103.1	105.0	105.0
37.5°	87.8	87.8	89.7	91.7	91.7	93.6	93.6	95.5	97.4	95.5	93.6
40°	80.2	82.1	82.1	85.9	85.9	85.9	87.8	89.7	91.7	87.8	87.8
42.5°	76.4	76.4	76.4	78.3	78.3	78.3	80.2	82.1	84.0	84.0	84.0
45°	72.6	72.6	72.6	74.5	72.6	72.6	72.6	74.5	78.3	78.3	80.2
47.5°	70.7	70.7	70.7	68.7	68.7	68.7	68.7	70.7	72.6	76.4	78.3
50°	68.7	66.8	66.8	66.8	66.8	66.8	66.8	68.7	70.7	72.6	76.4
52.5°	64.9	64.9	64.9	64.9	64.9	64.9	64.9	66.8	68.7	70.7	72.6
55°	64.9	64.9	63.0	63.0	64.9	64.9	64.9	66.8	68.7	70.7	70.7
57.5°	63.0	61.1	61.1	63.0	63.0	63.0	63.0	64.9	66.8	68.7	68.7
60°	59.2	59.2	59.2	59.2	61.1	61.1	63.0	64.9	64.9	66.8	66.8
62.5°	55.4	57.3	57.3	57.3	59.2	59.2	61.1	63.0	64.9	66.8	64.9
65°	53.5	55.4	55.4	55.4	57.3	57.3	57.3	61.1	63.0	63.0	64.9
67.5°	51.6	51.6	51.6	53.5	53.5	55.4	55.4	59.2	59.2	61.1	63.0
70°	47.7	47.7	47.7	49.6	49.6	51.6	53.5	55.4	55.4	57.3	59.2
72.5°	43.9	43.9	43.9	45.8	45.8	47.7	49.6	53.5	51.6	53.5	53.5
75°	38.2	38.2	40.1	40.1	42.0	43.9	45.8	45.8	45.8	45.8	45.8
77.5°	32.5	32.5	34.4	34.4	36.3	38.2	38.2	38.2	40.1	38.2	38.2
80°	26.7	26.7	28.6	28.6	28.6	28.6	30.6	28.6	30.6	28.6	30.6
82.5°	19.1	19.1	21.0	19.1	21.0	19.1	19.1	17.2	21.0	19.1	19.1
85°	7.6	9.5	9.5	9.5	9.5	7.6	7.6	5.7	7.6	7.6	5.7
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°	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7
2.5°	1161.0	1159.0	1187.7	1208.7	1222.1	1273.6	1296.5	1325.2	1338.5	1357.6	1376.7
5°	939.5	935.6	970.0	996.7	1019.7	1094.1	1138.0	1178.1	1210.6	1241.2	1285.1
7.5°	672.1	664.5	687.4	710.3	740.9	821.1	897.4	950.9	998.6	1050.2	1107.5
10°	496.5	502.2	525.1	559.5	599.6	660.7	721.8	760.0	802.0	859.3	928.0
12.5°	397.2	420.1	439.2	481.2	528.9	597.7	662.6	693.1	723.7	752.3	788.6
15°	318.9	332.2	347.5	387.6	444.9	525.1	601.5	635.9	672.1	706.5	739.0
17.5°	246.3	252.0	259.7	288.3	339.9	435.4	519.4	563.3	605.3	653.0	697.0
20°	196.7	196.7	198.6	212.0	248.2	322.7	425.8	481.2	534.6	595.8	658.8
22.5°	171.9	169.9	171.9	177.6	194.8	238.7	332.2	397.2	465.9	542.3	620.6
25°	162.3	160.4	158.5	162.3	171.9	192.9	259.7	328.4	399.1	490.7	586.2
27.5°	147.0	148.9	150.8	154.7	162.3	173.8	215.8	267.3	345.6	446.8	561.4
30°	137.5	139.4	141.3	145.1	158.5	171.9	196.7	229.1	296.0	395.3	523.2
32.5°	126.0	127.9	129.8	131.8	135.6	150.8	168.0	194.8	252.0	349.4	483.1
35°	103.1	103.1	105.0	110.7	118.4	133.7	150.8	171.9	225.3	318.9	458.3
37.5°	95.5	95.5	97.4	103.1	110.7	124.1	139.4	158.5	213.9	307.4	435.4
40°	89.7	91.7	91.7	97.4	105.0	120.3	129.8	152.8	208.1	290.2	412.4
42.5°	85.9	85.9	87.8	93.6	103.1	114.6	127.9	148.9	192.9	275.0	399.1
45°	82.1	84.0	84.0	89.7	101.2	110.7	129.8	141.3	183.3	263.5	387.6
47.5°	80.2	80.2	82.1	87.8	99.3	112.7	126.0	133.7	173.8	254.0	378.1
50°	76.4	78.3	80.2	85.9	97.4	124.1	120.3	127.9	166.1	246.3	372.3
52.5°	74.5	76.4	78.3	84.0	97.4	126.0	116.5	120.3	160.4	238.7	368.5
55°	72.6	72.6	74.5	82.1	97.4	116.5	108.8	116.5	148.9	227.2	359.0
57.5°	68.7	70.7	72.6	78.3	95.5	106.9	103.1	110.7	137.5	208.1	345.6
60°	68.7	68.7	70.7	76.4	95.5	95.5	97.4	105.0	124.1	185.2	322.7
62.5°	66.8	66.8	68.7	76.4	97.4	85.9	91.7	99.3	114.6	166.1	294.1
65°	64.9	64.9	66.8	72.6	84.0	82.1	87.8	93.6	110.7	152.8	269.2
67.5°	61.1	61.1	63.0	68.7	74.5	76.4	84.0	89.7	108.8	150.8	246.3
70°	57.3	57.3	57.3	63.0	66.8	72.6	78.3	85.9	108.8	148.9	229.1
72.5°	53.5	51.6	53.5	57.3	61.1	64.9	70.7	80.2	106.9	150.8	221.5
75°	45.8	45.8	45.8	49.6	53.5	57.3	63.0	74.5	101.2	141.3	198.6
77.5°	38.2	38.2	36.3	42.0	45.8	47.7	53.5	64.9	87.8	120.3	160.4
80°	28.6	26.7	26.7	32.5	34.4	38.2	42.0	49.6	68.7	87.8	118.4
82.5°	17.2	15.3	15.3	21.0	22.9	24.8	32.5	36.3	45.8	57.3	80.2
85°	5.7	5.7	5.7	9.5	11.5	13.4	19.1	21.0	28.6	36.3	42.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	5.7	9.5	11.5	9.5
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°	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	0°
2.5°	1399.6	1418.7	1443.6	1466.5	1483.7	1498.9	1518.0	1518.0	1540.9	1548.6	1563.9	2.5°
5°	1319.4	1355.7	1409.2	1453.1	1506.6	1558.1	1605.9	1632.6	1678.4	1709.0	1739.5	5°
7.5°	1157.1	1206.8	1273.6	1334.7	1413.0	1497.0	1575.3	1647.9	1724.2	1789.2	1836.9	7.5°
10°	987.2	1055.9	1126.6	1204.9	1288.9	1378.6	1474.1	1571.5	1663.1	1754.8	1833.1	10°
12.5°	847.8	926.1	1006.3	1103.7	1201.1	1296.5	1409.2	1493.2	1588.7	1680.3	1756.7	12.5°
15°	788.6	857.3	950.9	1057.8	1161.0	1258.3	1363.4	1449.3	1539.0	1613.5	1667.0	15°
17.5°	763.8	851.6	958.6	1071.2	1182.0	1300.3	1393.9	1466.5	1533.3	1567.7	1575.3	17.5°
20°	737.1	857.3	1000.6	1138.0	1273.6	1397.7	1466.5	1514.2	1525.7	1523.8	1495.1	20°
22.5°	721.8	876.4	1054.0	1246.9	1416.8	1561.9	1609.7	1600.1	1552.4	1491.3	1443.6	22.5°
25°	718.0	920.4	1145.7	1401.5	1609.7	1754.8	1781.5	1728.1	1621.1	1502.7	1422.5	25°
27.5°	721.8	970.0	1260.2	1567.7	1812.1	1961.0	1951.5	1871.3	1718.5	1552.4	1424.5	27.5°
30°	704.6	1021.6	1374.8	1712.8	1955.3	2079.4	2041.2	1920.9	1751.0	1584.9	1449.3	30°
32.5°	675.9	1059.8	1476.0	1829.3	2104.2	2197.8	2129.1	1999.2	1823.5	1653.6	1514.2	32.5°
35°	643.5	1076.9	1548.6	1938.1	2264.6	2314.3	2203.5	2071.8	1911.4	1739.5	1588.7	35°
37.5°	609.1	1078.8	1617.3	2052.7	2419.3	2440.3	2279.9	2138.6	1982.0	1827.4	1689.9	37.5°
40°	590.0	1071.2	1688.0	2194.0	2585.4	2556.8	2360.1	2194.0	2039.3	1920.9	1808.3	40°
42.5°	582.4	1057.8	1739.5	2300.9	2728.6	2665.6	2434.6	2249.3	2110.0	2010.7	1932.4	42.5°
45°	582.4	1044.5	1787.3	2381.1	2835.6	2753.4	2505.2	2302.8	2178.7	2117.6	2079.4	45°
47.5°	584.3	1050.2	1844.5	2510.9	2927.2	2837.5	2560.6	2381.1	2274.2	2251.3	2264.6	47.5°
50°	593.8	1115.1	1941.9	2654.2	3041.8	2927.2	2635.1	2468.9	2404.0	2426.9	2503.3	50°
52.5°	609.1	1218.2	2110.0	2824.1	3219.4	3070.4	2759.2	2595.0	2564.4	2646.5	2791.6	52.5°
55°	624.4	1323.3	2329.5	3108.6	3505.8	3330.1	2978.8	2814.5	2778.3	2904.3	3112.4	55°
57.5°	637.8	1401.5	2543.4	3391.2	3754.0	3620.3	3269.0	3070.4	3055.1	3190.7	3417.9	57.5°
60°	651.1	1462.6	2667.5	3517.2	3866.7	3853.3	3568.8	3385.5	3362.6	3488.6	3704.4	60°
62.5°	643.5	1439.7	2701.9	3454.2	3857.1	3967.9	3813.2	3683.4	3605.1	3710.1	3920.1	62.5°
65°	614.8	1319.4	2593.1	3236.5	3717.7	3899.1	3912.5	3881.9	3740.6	3748.3	3897.2	65°
67.5°	536.6	1109.4	2258.9	2892.8	3444.7	3660.4	3885.8	3876.2	3696.7	3538.2	3568.8	67.5°
70°	444.9	870.7	1842.6	2463.2	3057.1	3242.3	3601.2	3673.8	3417.9	3122.0	2982.6	70°
72.5°	374.3	651.1	1416.8	1907.6	2449.8	2665.6	3198.4	3299.6	2950.1	2533.9	2318.1	72.5°
75°	311.2	460.2	996.7	1313.7	1689.9	1974.4	2791.6	2801.2	2394.5	1993.5	1760.5	75°
77.5°	231.0	313.2	721.8	918.5	1161.0	1405.4	2257.0	2281.8	1899.9	1512.3	1311.8	77.5°
80°	154.7	192.9	460.2	641.6	781.0	941.4	1655.5	1550.5	1254.5	1048.3	996.7	80°
82.5°	93.6	112.7	265.4	448.7	492.6	586.2	1040.7	971.9	826.8	756.1	775.2	82.5°
85°	51.6	70.7	162.3	294.1	229.1	320.8	569.0	555.7	521.3	456.4	397.2	85°
87.5°	13.4	15.3	36.3	13.4	5.7	17.2	110.7	72.6	72.6	42.0	15.3	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°
1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	1334.7	0°	1334.7
1550.5	1556.2	1554.3	1540.9	1506.6	1493.2	1487.5	1472.2	1455.0	1455.0	1439.7	2.5°	1435.9
1737.6	1747.2	1735.7	1703.2	1615.4	1573.4	1548.6	1518.0	1493.2	1470.3	1447.4	5°	1414.9
1869.4	1877.0	1857.9	1783.4	1626.9	1556.2	1518.0	1481.7	1451.2	1411.1	1374.8	7.5°	1342.4
1894.2	1911.4	1890.4	1783.4	1602.0	1514.2	1472.2	1432.1	1388.2	1346.2	1294.6	10°	1254.5
1823.5	1859.8	1844.5	1766.3	1590.6	1497.0	1447.4	1399.6	1346.2	1302.3	1243.1	12.5°	1204.9
1714.7	1718.5	1728.1	1726.2	1569.6	1477.9	1428.3	1378.6	1330.9	1288.9	1237.3	15°	1189.6
1594.4	1590.6	1602.0	1638.3	1563.9	1491.3	1458.8	1411.1	1376.7	1329.0	1288.9	17.5°	1235.4
1485.6	1479.8	1491.3	1527.6	1540.9	1523.8	1510.4	1481.7	1455.0	1424.5	1392.0	20°	1340.4
1416.8	1397.7	1395.8	1449.3	1552.4	1598.2	1607.8	1603.9	1602.0	1579.1	1556.2	22.5°	1497.0
1378.6	1357.6	1367.2	1428.3	1600.1	1686.1	1730.0	1745.2	1766.3	1766.3	1766.3	25°	1709.0
1367.2	1344.3	1357.6	1426.4	1649.8	1793.0	1856.0	1894.2	1934.3	1951.5	1962.9	27.5°	1926.6
1374.8	1351.9	1357.6	1439.7	1674.6	1817.8	1892.3	1947.7	2010.7	2052.7	2081.3	30°	2052.7
1418.7	1378.6	1374.8	1479.8	1720.4	1873.2	1951.5	2014.5	2085.1	2132.9	2184.4	32.5°	2180.6
1477.9	1420.6	1413.0	1544.8	1779.6	1943.8	2022.1	2077.5	2150.1	2215.0	2289.4	35°	2316.2
1577.2	1506.6	1495.1	1653.6	1859.8	2003.0	2081.3	2153.9	2232.2	2316.2	2411.7	37.5°	2474.7
1710.9	1640.2	1640.2	1793.0	1968.7	2085.1	2171.1	2247.4	2333.4	2446.0	2562.5	40°	2663.7
1861.7	1815.9	1823.5	1961.0	2092.8	2188.2	2270.4	2352.5	2442.2	2554.9	2690.4	42.5°	2820.3
2062.2	2037.4	2075.6	2173.0	2218.8	2283.7	2356.3	2428.8	2526.2	2642.7	2797.4	45°	2934.8
2297.1	2318.1	2371.6	2402.1	2346.7	2381.1	2438.4	2505.2	2619.8	2738.2	2890.9	47.5°	3039.9
2591.1	2646.5	2698.1	2690.4	2505.2	2493.8	2547.2	2598.8	2713.3	2848.9	3011.2	50°	3171.6
2929.1	3001.7	3038.0	2995.9	2682.8	2616.0	2659.9	2730.5	2856.6	3011.2	3192.6	52.5°	3349.2
3272.8	3360.7	3349.2	3301.5	2875.7	2785.9	2812.6	2896.7	3051.3	3227.0	3456.1	55°	3610.8
3584.1	3652.8	3683.4	3580.2	3110.5	2992.1	3022.7	3110.5	3274.7	3471.4	3706.3	57.5°	3859.0
3830.4	3904.9	3904.9	3803.7	3366.4	3228.9	3280.5	3366.4	3507.7	3702.4	3922.0	60°	4053.8
4009.9	4069.1	4048.1	3950.7	3586.0	3481.0	3521.0	3639.4	3767.4	3912.5	4086.3	62.5°	4153.1
3996.5	4002.2	3979.3	3943.0	3717.7	3706.3	3782.6	3874.3	3981.2	4036.6	4134.0	65°	4158.8
3620.3	3622.3	3668.1	3652.8	3618.4	3759.7	3859.0	3935.4	4029.0	4029.0	4017.5	67.5°	4029.0
2967.3	2997.9	3076.1	3053.2	3228.9	3519.1	3633.7	3750.2	3832.3	3832.3	3734.9	70°	3679.5
2258.9	2278.0	2371.6	2350.5	2589.2	2908.1	3160.2	3354.9	3435.1	3484.8	3360.7	72.5°	3091.4
1644.0	1642.1	1682.2	1651.7	1953.4	2308.5	2568.2	2810.7	2942.5	2984.5	2759.2	75°	2266.5
1266.0	1231.6	1224.0	1227.8	1384.4	1678.4	1884.6	2039.3	2056.5	2062.2	1758.6	77.5°	1372.9
1021.6	1021.6	1010.1	968.1	847.8	981.5	1086.5	1208.7	1252.6	1315.6	1054.0	80°	773.3
815.3	782.9	725.6	643.5	544.2	580.5	630.1	675.9	750.4	777.2	641.6	82.5°	439.2
406.7	395.3	345.6	286.4	238.7	317.0	353.3	357.1	357.1	330.3	269.2	85°	179.5
1.9	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°
1334.7	1334.7
1413.0	1416.8
1382.5	1371.0
1287.0	1269.8
1183.9	1170.5
1124.7	1107.5
1113.2	1094.1
1153.3	1130.4
1243.1	1216.3
1386.3	1353.8
1582.9	1550.5
1775.8	1733.8
1913.3	1871.3
2046.9	1997.3
2180.6	2131.0
2360.1	2316.2
2558.7	2495.7
2722.9	2663.7
2852.7	2791.6
2976.9	2915.8
3118.2	3076.1
3330.1	3293.8
3652.8	3601.2
3889.6	3866.7
4011.8	3983.1
4050.0	4002.2
4000.3	3927.8
3843.7	3759.7
3465.7	3354.9
2763.0	2688.5
1863.6	1819.7
1071.2	1013.9
614.8	595.8
345.6	364.7
89.7	99.3
0.0	0.0
0.0	0.0

(END OF REPORT)