

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: P228634

Luminaire Tested: **ISS-AF-1000-LED-E1-SLR-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P228634  
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-7030  
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

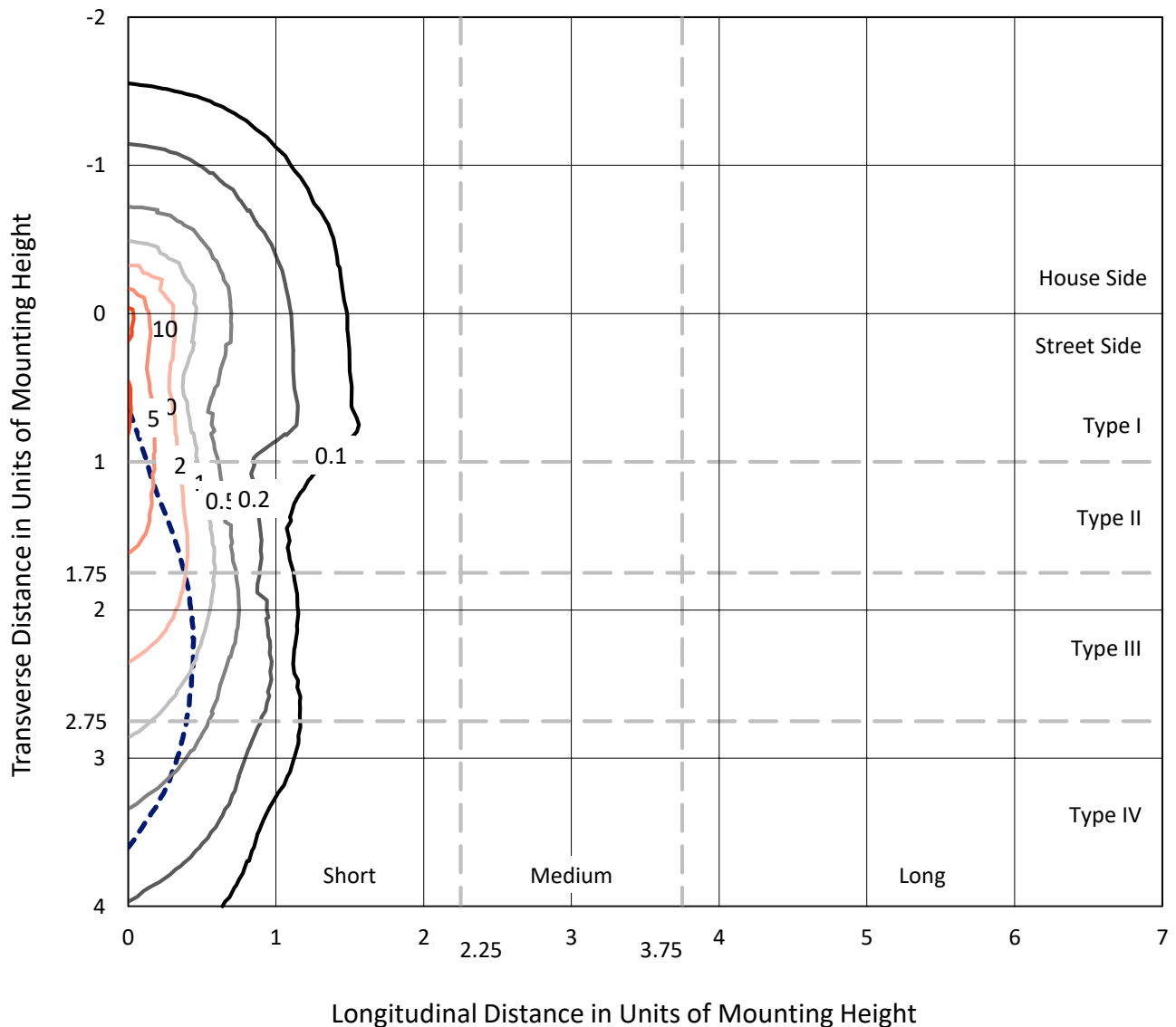
Lumens per Lamp: N/A  
Luminaire Lumens: 4269 lumens  
Efficiency: N/A  
Efficacy: 78.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 54.6  
Input Voltage (V): 120  
Input Current (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

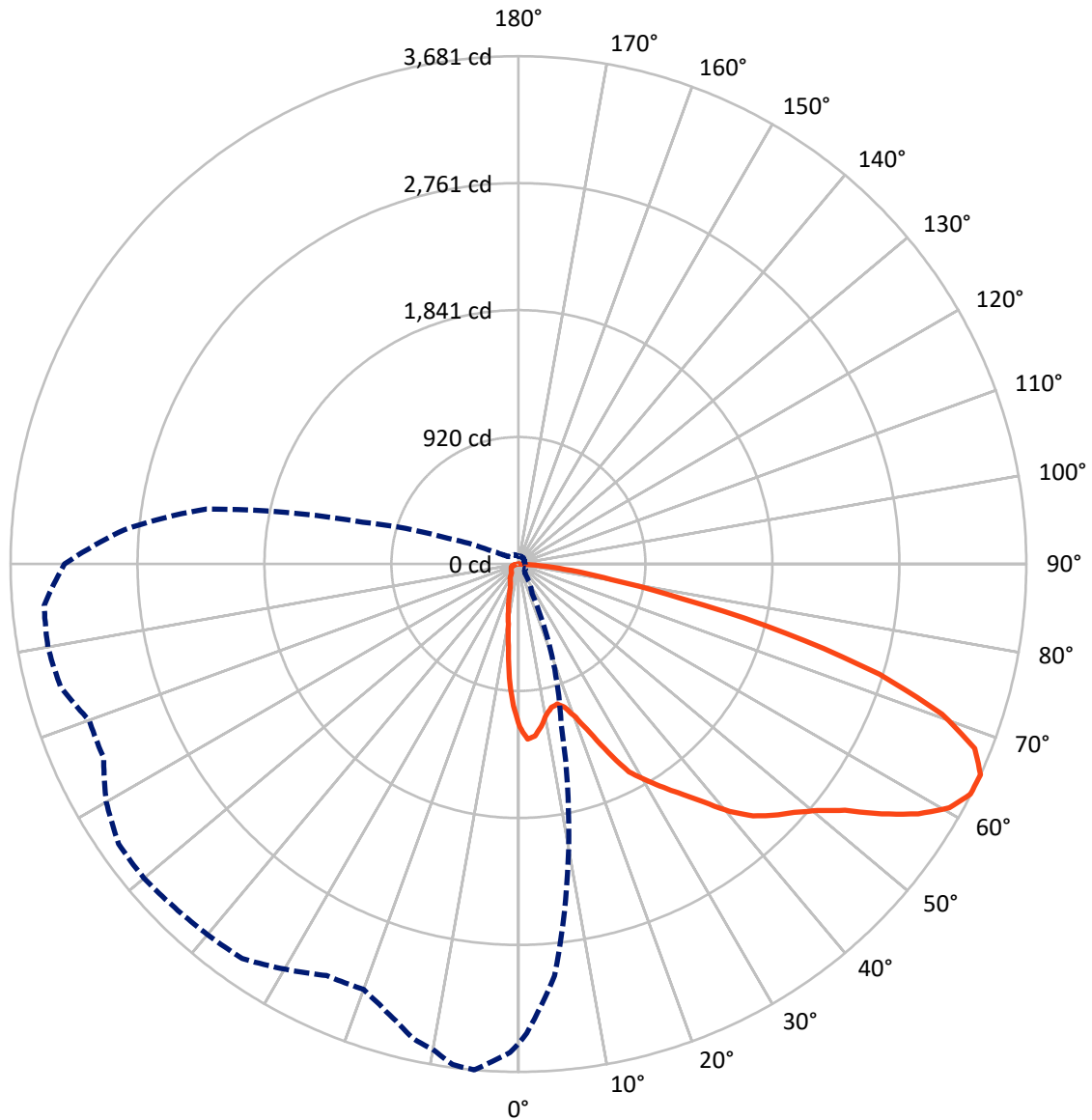
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 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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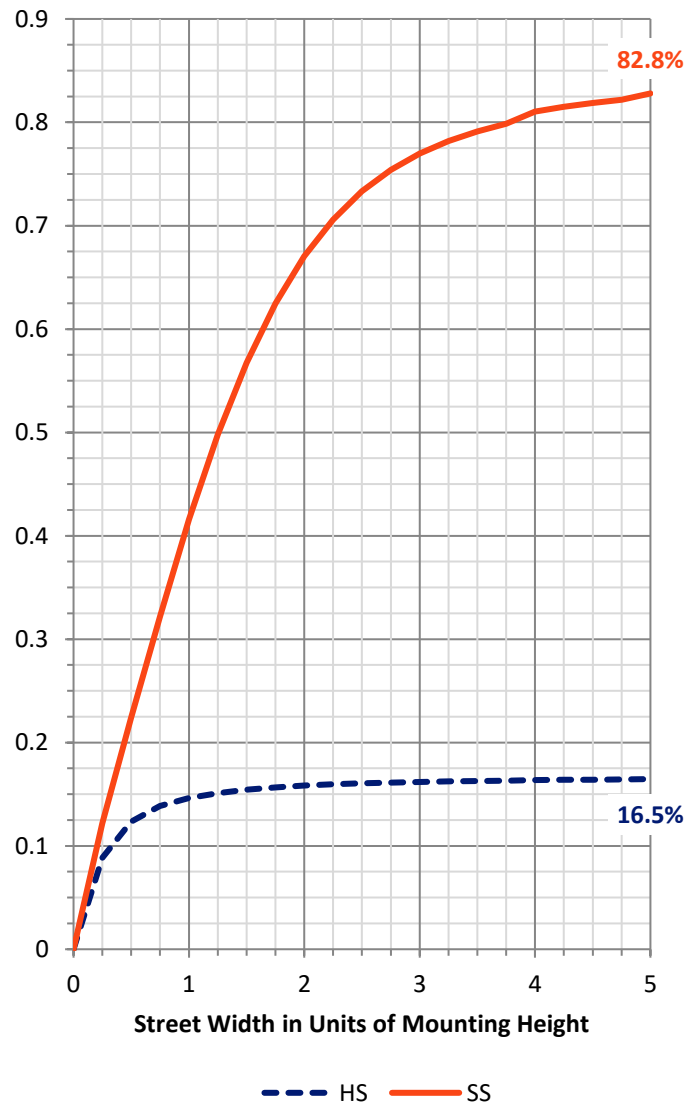
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	709.8	0.0	709.8
	% Fixture	16.6	0.0	16.6
<b>Street Side</b>	Lumens	3559.2	0.0	3559.2
	% Fixture	83.4	0.0	83.4
<b>Total</b>	Lumens	4269.0	0.0	4269.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.7	2.1
10°-20°	186.9	4.4
20°-30°	271.7	6.4
30°-40°	401.9	9.4
40°-50°	585.6	13.7
50°-60°	877.8	20.6
60°-70°	1093.8	25.6
70°-80°	640.7	15.0
80°-90°	119.8	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°	4269.0	100.0
0°-180°	4269.0	100.0



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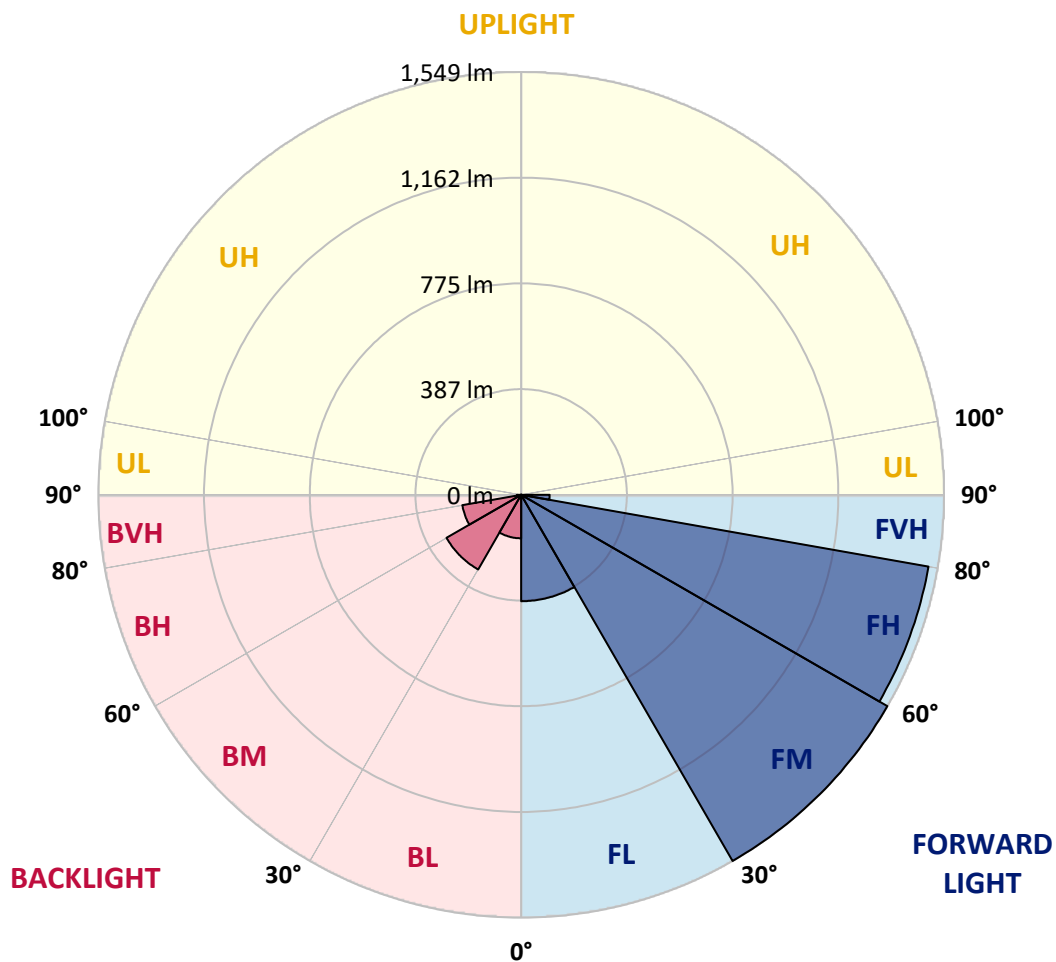
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	390.0	9.1			
FM	(30°-60°)	1549.3	36.3			
FH	(60°-80°)	1515.5	35.5			G1/1800
FVH	(80°-90°)	104.4	2.4			G2/225
BL	(0°-30°)	159.4	3.7	B1/500		
BM	(30°-60°)	315.9	7.4	B1/1000		
BH	(60°-80°)	219.1	5.1	B1/500		G1/500
BVH	(80°-90°)	15.4	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°	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4
2.5°	1254.1	1243.9	1223.7	1183.1	1140.8	1100.3	1093.5	1078.3	1080.0	1071.5	1068.2
5°	1213.5	1200.0	1157.7	1073.2	1000.6	926.2	921.1	890.7	894.1	875.5	865.3
7.5°	1123.9	1105.3	1058.0	941.4	840.0	742.0	731.8	696.3	691.3	672.7	657.5
10°	1036.0	1017.5	958.3	824.8	708.2	635.5	623.7	606.8	593.2	584.8	569.6
12.5°	980.3	970.1	899.1	745.3	654.1	594.9	579.7	562.8	549.3	534.1	518.9
15°	968.4	948.2	875.5	720.0	613.5	540.8	522.3	503.7	488.4	473.2	451.3
17.5°	1000.6	980.3	899.1	708.2	567.9	480.0	456.3	431.0	415.8	397.2	373.5
20°	1076.6	1044.5	944.8	691.3	518.9	409.0	380.3	349.9	333.0	300.8	283.9
22.5°	1198.3	1157.7	1022.5	691.3	473.2	334.6	302.5	275.5	256.9	228.2	209.6
25°	1372.4	1336.9	1149.3	709.9	432.7	272.1	240.0	213.0	194.4	174.1	162.3
27.5°	1534.6	1478.9	1284.5	736.9	400.6	228.2	196.1	174.1	160.6	150.4	143.7
30°	1656.3	1610.7	1402.8	755.5	353.2	191.0	170.7	157.2	150.4	145.4	142.0
32.5°	1767.9	1715.5	1487.3	767.3	324.5	162.3	143.7	133.5	126.8	120.0	118.3
35°	1886.2	1835.5	1587.0	765.6	305.9	148.7	130.1	118.3	111.5	109.9	106.5
37.5°	2050.1	1980.8	1702.0	765.6	299.2	143.7	121.7	109.9	104.8	101.4	99.7
40°	2209.0	2131.3	1828.7	770.7	292.4	140.3	121.7	109.9	101.4	98.0	94.6
42.5°	2357.7	2271.5	1943.6	779.2	289.0	130.1	114.9	108.2	104.8	98.0	93.0
45°	2471.0	2403.4	2033.2	796.1	289.0	123.4	108.2	103.1	101.4	101.4	99.7
47.5°	2580.8	2504.8	2136.3	828.2	294.1	118.3	103.1	96.3	96.3	96.3	98.0
50°	2722.8	2633.2	2278.3	894.1	294.1	116.6	98.0	91.3	89.6	93.0	93.0
52.5°	2915.5	2851.2	2486.2	988.7	290.7	114.9	96.3	86.2	84.5	86.2	89.6
55°	3187.6	3114.9	2738.0	1105.3	287.3	111.5	93.0	84.5	81.1	79.4	81.1
57.5°	3422.5	3360.0	2969.6	1198.3	278.9	103.1	89.6	82.8	77.7	76.1	74.4
60°	3525.6	3473.2	3118.3	1260.8	263.7	94.6	84.5	79.4	74.4	72.7	71.0
62.5°	3542.5	3476.6	3120.0	1274.4	246.8	86.2	79.4	74.4	71.0	69.3	67.6
65°	3476.6	3402.2	2996.6	1191.5	233.2	86.2	76.1	71.0	65.9	64.2	62.5
67.5°	3327.9	3212.9	2683.9	1010.7	221.4	87.9	74.4	65.9	62.5	60.8	59.2
70°	2969.6	2841.1	2266.5	802.8	216.3	89.6	74.4	62.5	57.5	55.8	55.8
72.5°	2379.7	2232.7	1767.9	605.1	207.9	91.3	72.7	59.2	54.1	50.7	50.7
75°	1610.7	1482.2	1198.3	409.0	172.4	79.4	65.9	54.1	47.3	43.9	42.3
77.5°	897.5	855.2	762.2	216.3	109.9	59.2	50.7	43.9	38.9	37.2	35.5
80°	527.3	505.3	449.6	120.0	67.6	33.8	30.4	28.7	25.4	25.4	25.4
82.5°	322.8	300.8	278.9	54.1	32.1	16.9	16.9	13.5	13.5	11.8	11.8
85°	87.9	81.1	113.2	11.8	3.4	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°	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4
2.5°	1054.6	1051.3	1051.3	1025.9	1025.9	1012.4	1009.0	1009.0	1014.1	1010.7	990.4
5°	848.4	838.3	831.5	801.1	792.7	777.5	770.7	769.0	774.1	765.6	738.6
7.5°	638.9	630.4	620.3	596.6	586.5	584.8	564.5	559.4	556.1	549.3	532.4
10°	557.7	545.9	537.5	520.6	508.7	500.3	483.4	474.9	468.2	458.0	453.0
12.5°	502.0	490.1	478.3	456.3	441.1	431.0	420.8	403.9	397.2	385.3	378.6
15°	432.7	419.2	405.6	382.0	361.7	351.5	331.3	321.1	314.4	300.8	294.1
17.5°	348.2	329.6	314.4	292.4	282.3	265.4	253.5	236.6	223.1	218.0	213.0
20°	262.0	245.1	231.5	213.0	202.8	189.3	182.5	170.7	163.9	160.6	157.2
22.5°	192.7	179.2	170.7	160.6	155.5	150.4	147.0	143.7	140.3	138.6	138.6
25°	152.1	147.0	143.7	140.3	138.6	136.9	133.5	131.8	130.1	128.4	128.4
27.5°	138.6	135.2	133.5	131.8	130.1	126.8	126.8	123.4	121.7	121.7	120.0
30°	140.3	140.3	140.3	136.9	135.2	131.8	130.1	125.1	121.7	118.3	116.6
32.5°	114.9	114.9	113.2	109.9	108.2	106.5	106.5	103.1	101.4	101.4	104.8
35°	104.8	103.1	101.4	98.0	96.3	93.0	91.3	89.6	87.9	86.2	86.2
37.5°	99.7	98.0	96.3	93.0	91.3	89.6	87.9	84.5	82.8	82.8	81.1
40°	94.6	94.6	94.6	91.3	89.6	86.2	84.5	82.8	81.1	79.4	79.4
42.5°	91.3	91.3	91.3	89.6	87.9	86.2	82.8	81.1	79.4	77.7	76.1
45°	93.0	91.3	91.3	89.6	87.9	84.5	82.8	79.4	77.7	76.1	74.4
47.5°	99.7	98.0	94.6	91.3	87.9	84.5	81.1	77.7	76.1	74.4	72.7
50°	94.6	101.4	103.1	98.0	89.6	84.5	81.1	77.7	74.4	72.7	71.0
52.5°	93.0	94.6	101.4	101.4	93.0	86.2	81.1	77.7	74.4	71.0	69.3
55°	84.5	89.6	91.3	93.0	91.3	84.5	79.4	74.4	72.7	69.3	65.9
57.5°	74.4	77.7	79.4	82.8	84.5	82.8	76.1	71.0	69.3	65.9	62.5
60°	69.3	69.3	69.3	71.0	79.4	86.2	79.4	69.3	64.2	62.5	59.2
62.5°	64.2	64.2	62.5	64.2	65.9	74.4	72.7	65.9	62.5	60.8	57.5
65°	62.5	60.8	59.2	59.2	59.2	59.2	59.2	59.2	57.5	57.5	55.8
67.5°	57.5	55.8	55.8	54.1	54.1	54.1	54.1	54.1	52.4	52.4	50.7
70°	54.1	52.4	50.7	50.7	50.7	49.0	49.0	49.0	47.3	47.3	47.3
72.5°	49.0	47.3	47.3	47.3	45.6	45.6	45.6	43.9	43.9	42.3	42.3
75°	42.3	42.3	40.6	40.6	40.6	38.9	38.9	38.9	38.9	37.2	37.2
77.5°	35.5	33.8	35.5	33.8	33.8	33.8	33.8	33.8	32.1	32.1	30.4
80°	23.7	23.7	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	23.7
82.5°	13.5	11.8	13.5	13.5	13.5	15.2	15.2	16.9	15.2	15.2	13.5
85°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	3.4	3.4	3.4	3.4
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):**

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4
2.5°	1000.6	998.9	982.0	985.3	980.3	970.1	971.8	973.5	976.9	970.1	966.8
5°	752.1	753.8	731.8	738.6	733.5	731.8	736.9	745.3	750.4	748.7	743.7
7.5°	534.1	535.8	517.2	515.5	510.4	508.7	515.5	523.9	529.0	527.3	529.0
10°	441.1	436.1	419.2	407.3	395.5	385.3	383.7	383.7	383.7	380.3	376.9
12.5°	365.1	360.0	339.7	329.6	319.4	305.9	304.2	302.5	297.5	292.4	285.6
15°	283.9	278.9	262.0	255.2	246.8	241.7	240.0	240.0	236.6	233.2	229.9
17.5°	206.2	202.8	192.7	185.9	184.2	185.9	187.6	191.0	192.7	194.4	194.4
20°	155.5	153.8	150.4	150.4	152.1	157.2	158.9	163.9	165.6	169.0	172.4
22.5°	136.9	136.9	135.2	135.2	138.6	143.7	147.0	148.7	150.4	152.1	152.1
25°	126.8	126.8	125.1	128.4	133.5	133.5	133.5	133.5	130.1	128.4	128.4
27.5°	120.0	120.0	120.0	121.7	120.0	118.3	118.3	118.3	116.6	116.6	114.9
30°	114.9	114.9	114.9	113.2	113.2	111.5	111.5	109.9	109.9	108.2	108.2
32.5°	106.5	103.1	106.5	103.1	103.1	101.4	103.1	103.1	99.7	99.7	99.7
35°	84.5	82.8	82.8	82.8	81.1	82.8	86.2	86.2	86.2	86.2	86.2
37.5°	79.4	79.4	77.7	76.1	76.1	74.4	76.1	74.4	74.4	74.4	76.1
40°	77.7	76.1	74.4	74.4	72.7	71.0	71.0	71.0	71.0	71.0	71.0
42.5°	74.4	74.4	71.0	69.3	69.3	67.6	67.6	67.6	67.6	67.6	67.6
45°	72.7	71.0	69.3	67.6	65.9	65.9	65.9	65.9	65.9	65.9	64.2
47.5°	71.0	69.3	67.6	65.9	64.2	62.5	62.5	62.5	62.5	62.5	62.5
50°	69.3	67.6	64.2	64.2	62.5	60.8	60.8	60.8	60.8	60.8	60.8
52.5°	65.9	65.9	62.5	60.8	59.2	59.2	59.2	59.2	59.2	59.2	59.2
55°	62.5	62.5	59.2	57.5	55.8	55.8	55.8	55.8	57.5	57.5	57.5
57.5°	60.8	59.2	55.8	55.8	52.4	52.4	52.4	54.1	54.1	55.8	55.8
60°	57.5	55.8	54.1	52.4	52.4	50.7	50.7	50.7	50.7	52.4	52.4
62.5°	55.8	54.1	50.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
65°	52.4	52.4	49.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
67.5°	49.0	49.0	45.6	43.9	43.9	43.9	45.6	43.9	43.9	43.9	43.9
70°	45.6	43.9	42.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
72.5°	40.6	40.6	38.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2	38.9
75°	35.5	33.8	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
77.5°	30.4	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	28.7
80°	22.0	20.3	20.3	20.3	20.3	22.0	22.0	22.0	22.0	22.0	22.0
82.5°	13.5	11.8	11.8	11.8	13.5	15.2	15.2	15.2	15.2	16.9	16.9
85°	3.4	3.4	3.4	3.4	6.8	8.5	8.5	8.5	10.1	8.5	8.5
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°	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4
2.5°	963.4	983.7	983.7	970.1	976.9	970.1	968.4	980.3	987.0	1009.0	1022.5
5°	745.3	770.7	772.4	765.6	774.1	769.0	774.1	789.3	801.1	816.3	829.9
7.5°	532.4	556.1	561.1	556.1	571.3	569.6	573.0	589.9	600.0	608.4	610.1
10°	375.2	378.6	392.1	388.7	398.9	397.2	402.3	415.8	429.3	434.4	437.7
12.5°	282.3	278.9	283.9	277.2	282.3	282.3	283.9	292.4	309.3	316.1	333.0
15°	228.2	224.8	224.8	221.4	221.4	219.7	221.4	228.2	240.0	250.1	263.7
17.5°	194.4	194.4	194.4	192.7	191.0	191.0	192.7	196.1	202.8	209.6	216.3
20°	174.1	177.5	179.2	180.8	182.5	184.2	185.9	191.0	189.3	182.5	174.1
22.5°	152.1	152.1	153.8	153.8	152.1	152.1	152.1	152.1	152.1	157.2	162.3
25°	126.8	126.8	126.8	128.4	126.8	126.8	128.4	128.4	130.1	133.5	138.6
27.5°	114.9	114.9	114.9	114.9	114.9	114.9	114.9	116.6	118.3	123.4	126.8
30°	106.5	106.5	104.8	104.8	104.8	103.1	104.8	104.8	106.5	113.2	118.3
32.5°	98.0	96.3	96.3	96.3	94.6	94.6	94.6	98.0	99.7	103.1	108.2
35°	86.2	86.2	86.2	87.9	87.9	87.9	87.9	91.3	91.3	93.0	93.0
37.5°	77.7	77.7	79.4	81.1	81.1	82.8	82.8	84.5	86.2	84.5	82.8
40°	71.0	72.7	72.7	76.1	76.1	76.1	77.7	79.4	81.1	77.7	77.7
42.5°	67.6	67.6	67.6	69.3	69.3	69.3	71.0	72.7	74.4	74.4	74.4
45°	64.2	64.2	64.2	65.9	64.2	64.2	64.2	65.9	69.3	69.3	71.0
47.5°	62.5	62.5	62.5	60.8	60.8	60.8	60.8	62.5	64.2	67.6	69.3
50°	60.8	59.2	59.2	59.2	59.2	59.2	59.2	60.8	62.5	64.2	67.6
52.5°	57.5	57.5	57.5	57.5	57.5	57.5	57.5	59.2	60.8	62.5	64.2
55°	57.5	57.5	55.8	55.8	57.5	57.5	57.5	59.2	60.8	62.5	62.5
57.5°	55.8	54.1	54.1	55.8	55.8	55.8	55.8	57.5	59.2	60.8	60.8
60°	52.4	52.4	52.4	52.4	54.1	54.1	55.8	57.5	57.5	59.2	59.2
62.5°	49.0	50.7	50.7	50.7	52.4	52.4	54.1	55.8	57.5	59.2	57.5
65°	47.3	49.0	49.0	49.0	50.7	50.7	50.7	54.1	55.8	55.8	57.5
67.5°	45.6	45.6	45.6	47.3	47.3	49.0	49.0	52.4	52.4	54.1	55.8
70°	42.3	42.3	42.3	43.9	43.9	45.6	47.3	49.0	49.0	50.7	52.4
72.5°	38.9	38.9	38.9	40.6	40.6	42.3	43.9	47.3	45.6	47.3	47.3
75°	33.8	33.8	35.5	35.5	37.2	38.9	40.6	40.6	40.6	40.6	40.6
77.5°	28.7	28.7	30.4	30.4	32.1	33.8	33.8	33.8	35.5	33.8	33.8
80°	23.7	23.7	25.4	25.4	25.4	25.4	27.0	25.4	27.0	25.4	27.0
82.5°	16.9	16.9	18.6	16.9	18.6	16.9	16.9	15.2	18.6	16.9	16.9
85°	6.8	8.5	8.5	8.5	8.5	6.8	6.8	5.1	6.8	6.8	5.1
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):**

	175°	180°	185°	195°	205°	215°	225°	230°	235°	240°	245°
0°	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4
2.5°	1027.6	1025.9	1051.3	1069.9	1081.7	1127.3	1147.6	1173.0	1184.8	1201.7	1218.6
5°	831.5	828.2	858.6	882.2	902.5	968.4	1007.3	1042.8	1071.5	1098.6	1137.5
7.5°	594.9	588.2	608.4	628.7	655.8	726.8	794.4	841.7	883.9	929.6	980.3
10°	439.4	444.5	464.8	495.2	530.7	584.8	638.9	672.7	709.9	760.6	821.4
12.5°	351.5	371.8	388.7	425.9	468.2	529.0	586.5	613.5	640.6	665.9	698.0
15°	282.3	294.1	307.6	343.1	393.8	464.8	532.4	562.8	594.9	625.3	654.1
17.5°	218.0	223.1	229.9	255.2	300.8	385.3	459.7	498.6	535.8	578.0	616.9
20°	174.1	174.1	175.8	187.6	219.7	285.6	376.9	425.9	473.2	527.3	583.1
22.5°	152.1	150.4	152.1	157.2	172.4	211.3	294.1	351.5	412.4	480.0	549.3
25°	143.7	142.0	140.3	143.7	152.1	170.7	229.9	290.7	353.2	434.4	518.9
27.5°	130.1	131.8	133.5	136.9	143.7	153.8	191.0	236.6	305.9	395.5	496.9
30°	121.7	123.4	125.1	128.4	140.3	152.1	174.1	202.8	262.0	349.9	463.1
32.5°	111.5	113.2	114.9	116.6	120.0	133.5	148.7	172.4	223.1	309.3	427.6
35°	91.3	91.3	93.0	98.0	104.8	118.3	133.5	152.1	199.4	282.3	405.6
37.5°	84.5	84.5	86.2	91.3	98.0	109.9	123.4	140.3	189.3	272.1	385.3
40°	79.4	81.1	81.1	86.2	93.0	106.5	114.9	135.2	184.2	256.9	365.1
42.5°	76.1	76.1	77.7	82.8	91.3	101.4	113.2	131.8	170.7	243.4	353.2
45°	72.7	74.4	74.4	79.4	89.6	98.0	114.9	125.1	162.3	233.2	343.1
47.5°	71.0	71.0	72.7	77.7	87.9	99.7	111.5	118.3	153.8	224.8	334.6
50°	67.6	69.3	71.0	76.1	86.2	109.9	106.5	113.2	147.0	218.0	329.6
52.5°	65.9	67.6	69.3	74.4	86.2	111.5	103.1	106.5	142.0	211.3	326.2
55°	64.2	64.2	65.9	72.7	86.2	103.1	96.3	103.1	131.8	201.1	317.7
57.5°	60.8	62.5	64.2	69.3	84.5	94.6	91.3	98.0	121.7	184.2	305.9
60°	60.8	60.8	62.5	67.6	84.5	84.5	86.2	93.0	109.9	163.9	285.6
62.5°	59.2	59.2	60.8	67.6	86.2	76.1	81.1	87.9	101.4	147.0	260.3
65°	57.5	57.5	59.2	64.2	74.4	72.7	77.7	82.8	98.0	135.2	238.3
67.5°	54.1	54.1	55.8	60.8	65.9	67.6	74.4	79.4	96.3	133.5	218.0
70°	50.7	50.7	50.7	55.8	59.2	64.2	69.3	76.1	96.3	131.8	202.8
72.5°	47.3	45.6	47.3	50.7	54.1	57.5	62.5	71.0	94.6	133.5	196.1
75°	40.6	40.6	40.6	43.9	47.3	50.7	55.8	65.9	89.6	125.1	175.8
77.5°	33.8	33.8	32.1	37.2	40.6	42.3	47.3	57.5	77.7	106.5	142.0
80°	25.4	23.7	23.7	28.7	30.4	33.8	37.2	43.9	60.8	77.7	104.8
82.5°	15.2	13.5	13.5	18.6	20.3	22.0	28.7	32.1	40.6	50.7	71.0
85°	5.1	5.1	5.1	8.5	10.1	11.8	16.9	18.6	25.4	32.1	37.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	5.1	8.5	10.1	8.5
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°	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	0°
2.5°	1238.9	1255.8	1277.7	1298.0	1313.2	1326.8	1343.7	1343.7	1363.9	1370.7	1384.2	2.5°
5°	1167.9	1200.0	1247.3	1286.2	1333.5	1379.1	1421.4	1445.1	1485.6	1512.7	1539.7	5°
7.5°	1024.2	1068.2	1127.3	1181.4	1250.7	1325.1	1394.4	1458.6	1526.2	1583.7	1625.9	7.5°
10°	873.8	934.6	997.2	1066.5	1140.8	1220.3	1304.8	1391.0	1472.1	1553.2	1622.5	10°
12.5°	750.4	819.7	890.7	976.9	1063.1	1147.6	1247.3	1321.7	1406.2	1487.3	1554.9	12.5°
15°	698.0	758.9	841.7	936.3	1027.6	1113.8	1206.8	1282.8	1362.2	1428.2	1475.5	15°
17.5°	676.1	753.8	848.4	948.2	1046.2	1151.0	1233.8	1298.0	1357.2	1387.6	1394.4	17.5°
20°	652.4	758.9	885.6	1007.3	1127.3	1237.2	1298.0	1340.3	1350.4	1348.7	1323.4	20°
22.5°	638.9	775.8	933.0	1103.7	1254.1	1382.5	1424.8	1416.3	1374.1	1320.0	1277.7	22.5°
25°	635.5	814.6	1014.1	1240.6	1424.8	1553.2	1576.9	1529.6	1434.9	1330.1	1259.1	25°
27.5°	638.9	858.6	1115.5	1387.6	1603.9	1735.8	1727.3	1656.3	1521.1	1374.1	1260.8	27.5°
30°	623.7	904.2	1216.9	1516.0	1730.7	1840.6	1806.7	1700.3	1549.8	1402.8	1282.8	30°
32.5°	598.3	938.0	1306.5	1619.1	1862.5	1945.3	1884.5	1769.6	1614.1	1463.7	1340.3	32.5°
35°	569.6	953.2	1370.7	1715.5	2004.5	2048.4	1950.4	1833.8	1691.8	1539.7	1406.2	35°
37.5°	539.2	954.9	1431.5	1816.9	2141.4	2160.0	2018.0	1892.9	1754.4	1617.5	1495.8	37.5°
40°	522.3	948.2	1494.1	1942.0	2288.4	2263.1	2089.0	1942.0	1805.1	1700.3	1600.6	40°
42.5°	515.5	936.3	1539.7	2036.6	2415.2	2359.4	2154.9	1991.0	1867.6	1779.7	1710.4	42.5°
45°	515.5	924.5	1582.0	2107.6	2509.8	2437.2	2217.5	2038.3	1928.4	1874.4	1840.6	45°
47.5°	517.2	929.6	1632.7	2222.5	2591.0	2511.5	2266.5	2107.6	2012.9	1992.7	2004.5	47.5°
50°	525.6	987.0	1718.9	2349.3	2692.4	2591.0	2332.4	2185.3	2127.9	2148.2	2215.8	50°
52.5°	539.2	1078.3	1867.6	2499.7	2849.6	2717.7	2442.2	2296.9	2269.8	2342.5	2471.0	52.5°
55°	552.7	1171.3	2062.0	2751.5	3103.1	2947.6	2636.6	2491.3	2459.1	2570.7	2754.9	55°
57.5°	564.5	1240.6	2251.3	3001.7	3322.8	3204.5	2893.5	2717.7	2704.2	2824.2	3025.3	57.5°
60°	576.3	1294.6	2361.1	3113.2	3422.5	3410.7	3158.9	2996.6	2976.3	3087.9	3278.9	60°
62.5°	569.6	1274.4	2391.5	3057.4	3414.1	3512.1	3375.2	3260.3	3191.0	3283.9	3469.8	62.5°
65°	544.2	1167.9	2295.2	2864.8	3290.7	3451.2	3463.1	3436.0	3311.0	3317.7	3449.6	65°
67.5°	474.9	982.0	1999.4	2560.5	3049.0	3240.0	3439.4	3431.0	3272.1	3131.8	3158.9	67.5°
70°	393.8	770.7	1631.0	2180.3	2705.9	2869.8	3187.6	3251.8	3025.3	2763.4	2640.0	70°
72.5°	331.3	576.3	1254.1	1688.4	2168.4	2359.4	2831.0	2920.5	2611.3	2242.8	2051.8	72.5°
75°	275.5	407.3	882.2	1162.8	1495.8	1747.6	2471.0	2479.4	2119.4	1764.5	1558.3	75°
77.5°	204.5	277.2	638.9	813.0	1027.6	1243.9	1997.7	2019.7	1681.7	1338.6	1161.1	77.5°
80°	136.9	170.7	407.3	567.9	691.3	833.2	1465.3	1372.4	1110.4	927.9	882.2	80°
82.5°	82.8	99.7	234.9	397.2	436.1	518.9	921.1	860.3	731.8	669.3	686.2	82.5°
85°	45.6	62.5	143.7	260.3	202.8	283.9	503.7	491.8	461.4	403.9	351.5	85°
87.5°	11.8	13.5	32.1	11.8	5.1	15.2	98.0	64.2	64.2	37.2	13.5	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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 CATALOG NUMBER:

<b>DISTRIBUTION (continued):</b>											<b>CANDELA DISTRIBUTION</b>	
305°	310°	315°	325°	335°	340°	342.5°	345°	347.5°	350°	352.5°		355°
1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	1181.4	0°	1181.4
1372.4	1377.5	1375.8	1363.9	1333.5	1321.7	1316.6	1303.1	1287.9	1287.9	1274.4	2.5°	1271.0
1538.0	1546.5	1536.3	1507.6	1429.9	1392.7	1370.7	1343.7	1321.7	1301.4	1281.1	5°	1252.4
1654.6	1661.4	1644.5	1578.6	1440.0	1377.5	1343.7	1311.5	1284.5	1249.0	1216.9	7.5°	1188.2
1676.6	1691.8	1673.2	1578.6	1418.0	1340.3	1303.1	1267.6	1228.7	1191.5	1145.9	10°	1110.4
1614.1	1646.2	1632.7	1563.4	1407.9	1325.1	1281.1	1238.9	1191.5	1152.7	1100.3	12.5°	1066.5
1517.7	1521.1	1529.6	1527.9	1389.3	1308.2	1264.2	1220.3	1178.0	1140.8	1095.2	15°	1053.0
1411.3	1407.9	1418.0	1450.1	1384.2	1320.0	1291.3	1249.0	1218.6	1176.3	1140.8	17.5°	1093.5
1314.9	1309.9	1320.0	1352.1	1363.9	1348.7	1336.9	1311.5	1287.9	1260.8	1232.1	20°	1186.5
1254.1	1237.2	1235.5	1282.8	1374.1	1414.6	1423.1	1419.7	1418.0	1397.7	1377.5	22.5°	1325.1
1220.3	1201.7	1210.1	1264.2	1416.3	1492.4	1531.3	1544.8	1563.4	1563.4	1563.4	25°	1512.7
1210.1	1189.9	1201.7	1262.5	1460.3	1587.0	1642.8	1676.6	1712.1	1727.3	1737.5	27.5°	1705.3
1216.9	1196.6	1201.7	1274.4	1482.2	1609.0	1674.9	1723.9	1779.7	1816.9	1842.2	30°	1816.9
1255.8	1220.3	1216.9	1309.9	1522.8	1658.0	1727.3	1783.1	1845.6	1887.9	1933.5	32.5°	1930.1
1308.2	1257.5	1250.7	1367.3	1575.2	1720.6	1789.8	1838.9	1903.1	1960.6	2026.5	35°	2050.1
1396.0	1333.5	1323.4	1463.7	1646.2	1772.9	1842.2	1906.5	1975.8	2050.1	2134.6	37.5°	2190.4
1514.4	1451.8	1451.8	1587.0	1742.5	1845.6	1921.7	1989.3	2065.3	2165.1	2268.2	40°	2357.7
1647.9	1607.3	1614.1	1735.8	1852.4	1936.9	2009.6	2082.2	2161.7	2261.4	2381.4	42.5°	2496.3
1825.3	1803.4	1837.2	1923.4	1963.9	2021.4	2085.6	2149.8	2236.0	2339.1	2476.0	45°	2597.7
2033.2	2051.8	2099.1	2126.2	2077.2	2107.6	2158.3	2217.5	2318.9	2423.6	2558.9	47.5°	2690.7
2293.5	2342.5	2388.2	2381.4	2217.5	2207.3	2254.6	2300.3	2401.7	2521.7	2665.3	50°	2807.3
2592.7	2656.9	2689.0	2651.8	2374.6	2315.5	2354.4	2416.9	2528.4	2665.3	2825.9	52.5°	2964.5
2896.9	2974.6	2964.5	2922.2	2545.3	2465.9	2489.6	2563.9	2700.8	2856.3	3059.1	55°	3196.0
3172.4	3233.2	3260.3	3169.0	2753.2	2648.4	2675.5	2753.2	2898.6	3072.7	3280.5	57.5°	3415.8
3390.4	3456.3	3456.3	3366.7	2979.7	2858.0	2903.6	2979.7	3104.8	3277.2	3471.5	60°	3588.1
3549.3	3601.7	3583.1	3496.9	3174.1	3081.1	3116.6	3221.4	3334.6	3463.1	3616.9	62.5°	3676.0
3537.4	3542.5	3522.2	3490.1	3290.7	3280.5	3348.1	3429.3	3523.9	3572.9	3659.1	65°	3681.1
3204.5	3206.2	3246.7	3233.2	3202.8	3327.9	3415.8	3483.4	3566.2	3566.2	3556.0	67.5°	3566.2
2626.5	2653.5	2722.8	2702.5	2858.0	3114.9	3216.3	3319.4	3392.1	3392.1	3305.9	70°	3256.9
1999.4	2016.3	2099.1	2080.6	2291.8	2574.1	2797.2	2969.6	3040.5	3084.5	2974.6	72.5°	2736.3
1455.2	1453.5	1489.0	1462.0	1729.0	2043.4	2273.2	2487.9	2604.5	2641.7	2442.2	75°	2006.2
1120.6	1090.1	1083.4	1086.8	1225.3	1485.6	1668.2	1805.1	1820.3	1825.3	1556.6	77.5°	1215.2
904.2	904.2	894.1	856.9	750.4	868.7	961.7	1069.9	1108.7	1164.5	933.0	80°	684.5
721.7	693.0	642.2	569.6	481.7	513.8	557.7	598.3	664.2	687.9	567.9	82.5°	388.7
360.0	349.9	305.9	253.5	211.3	280.6	312.7	316.1	316.1	292.4	238.3	85°	158.9
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°
1181.4	1181.4
1250.7	1254.1
1223.7	1213.5
1139.1	1123.9
1047.9	1036.0
995.5	980.3
985.3	968.4
1020.8	1000.6
1100.3	1076.6
1227.0	1198.3
1401.1	1372.4
1571.8	1534.6
1693.5	1656.3
1811.8	1767.9
1930.1	1886.2
2089.0	2050.1
2264.8	2209.0
2410.1	2357.7
2525.1	2471.0
2634.9	2580.8
2760.0	2722.8
2947.6	2915.5
3233.2	3187.6
3442.8	3422.5
3551.0	3525.6
3584.8	3542.5
3540.8	3476.6
3402.2	3327.9
3067.6	2969.6
2445.6	2379.7
1649.6	1610.7
948.2	897.5
544.2	527.3
305.9	322.8
79.4	87.9
0.0	0.0
0.0	0.0

(END OF REPORT)