

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: P228609

Luminaire Tested: **ISS-AF-800-LED-E1-SLR-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P228609  
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-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**

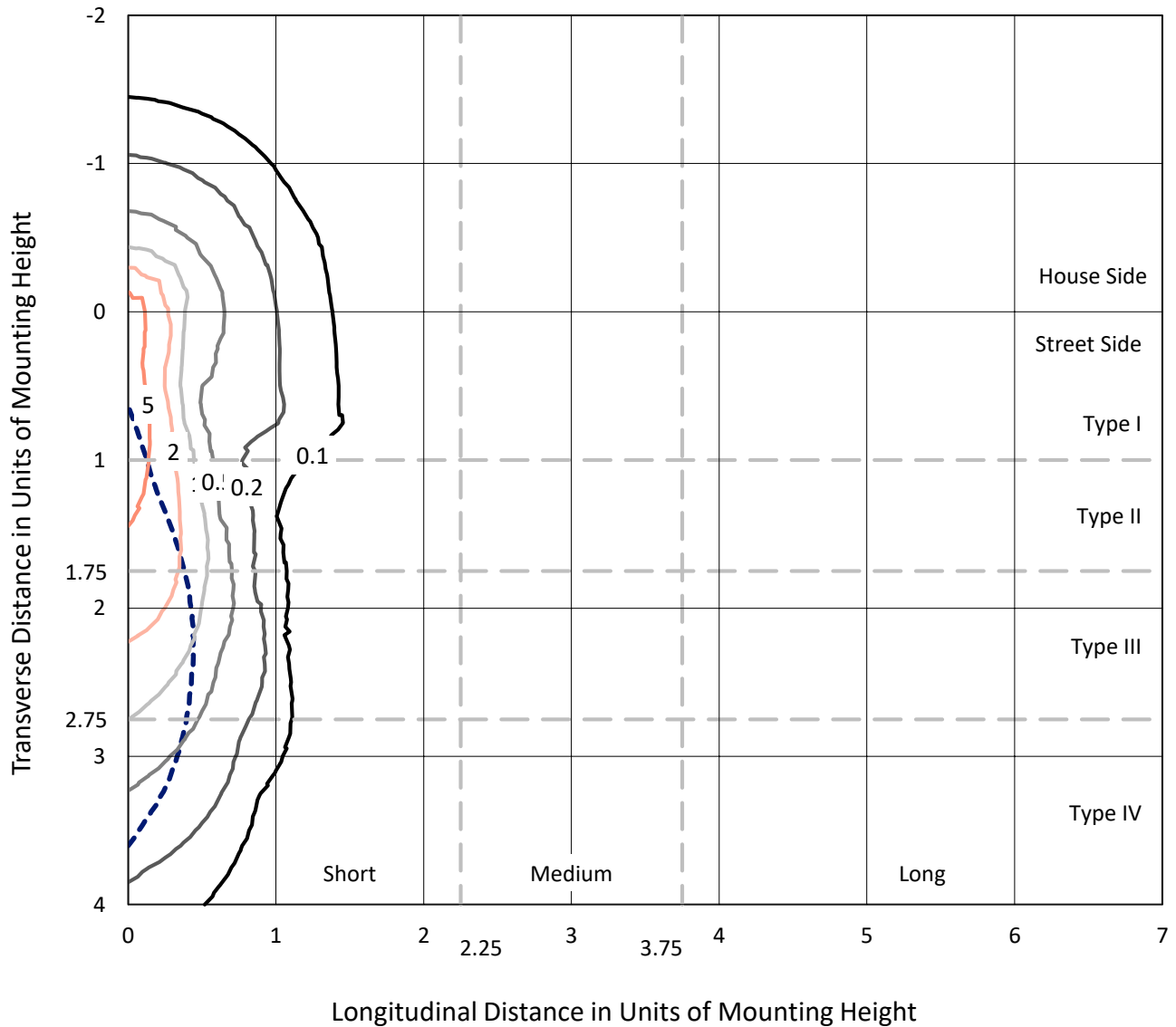
Lumens per Lamp: N/A  
Luminaire Lumens: 3612 lumens  
Efficiency: N/A  
Efficacy: 83.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 43.5  
Input Voltage (V): 120  
Input Current (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

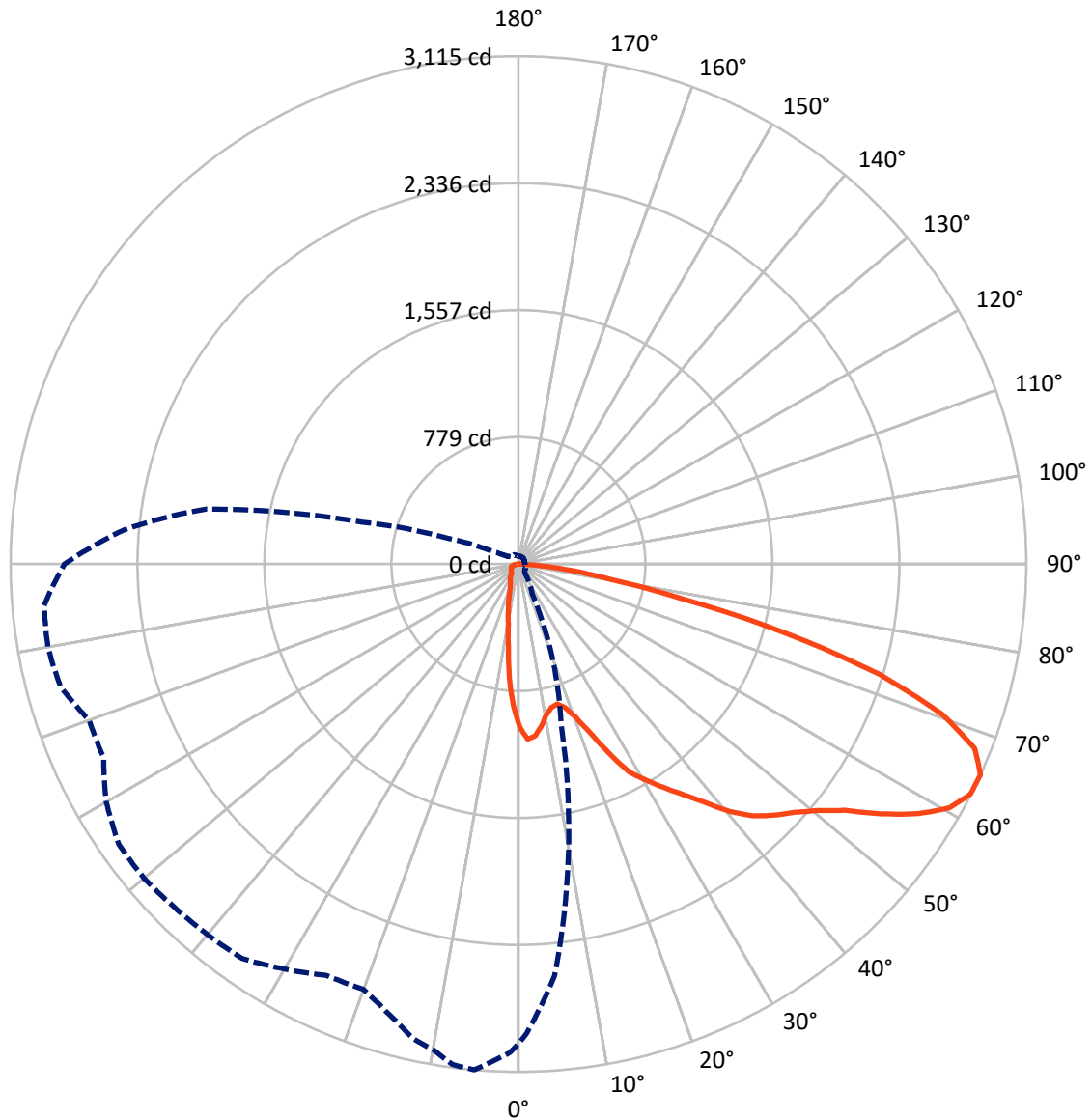
× Max cd  
 - - - 1/2 Max cd



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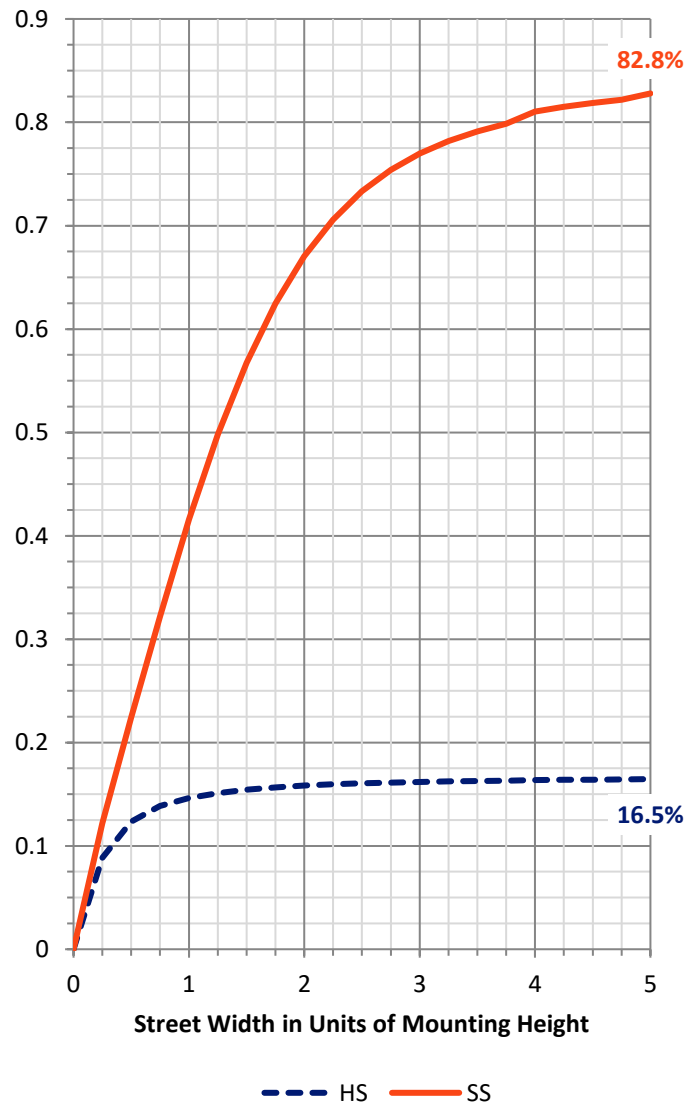
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	600.6	0.0	600.6
	% Fixture	16.6	0.0	16.6
<b>Street Side</b>	Lumens	3011.4	0.0	3011.4
	% Fixture	83.4	0.0	83.4
<b>Total</b>	Lumens	3612.0	0.0	3612.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.7	2.1
10°-20°	158.2	4.4
20°-30°	229.9	6.4
30°-40°	340.0	9.4
40°-50°	495.4	13.7
50°-60°	742.7	20.6
60°-70°	925.5	25.6
70°-80°	542.1	15.0
80°-90°	101.4	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°	3612.0	100.0
0°-180°	3612.0	100.0



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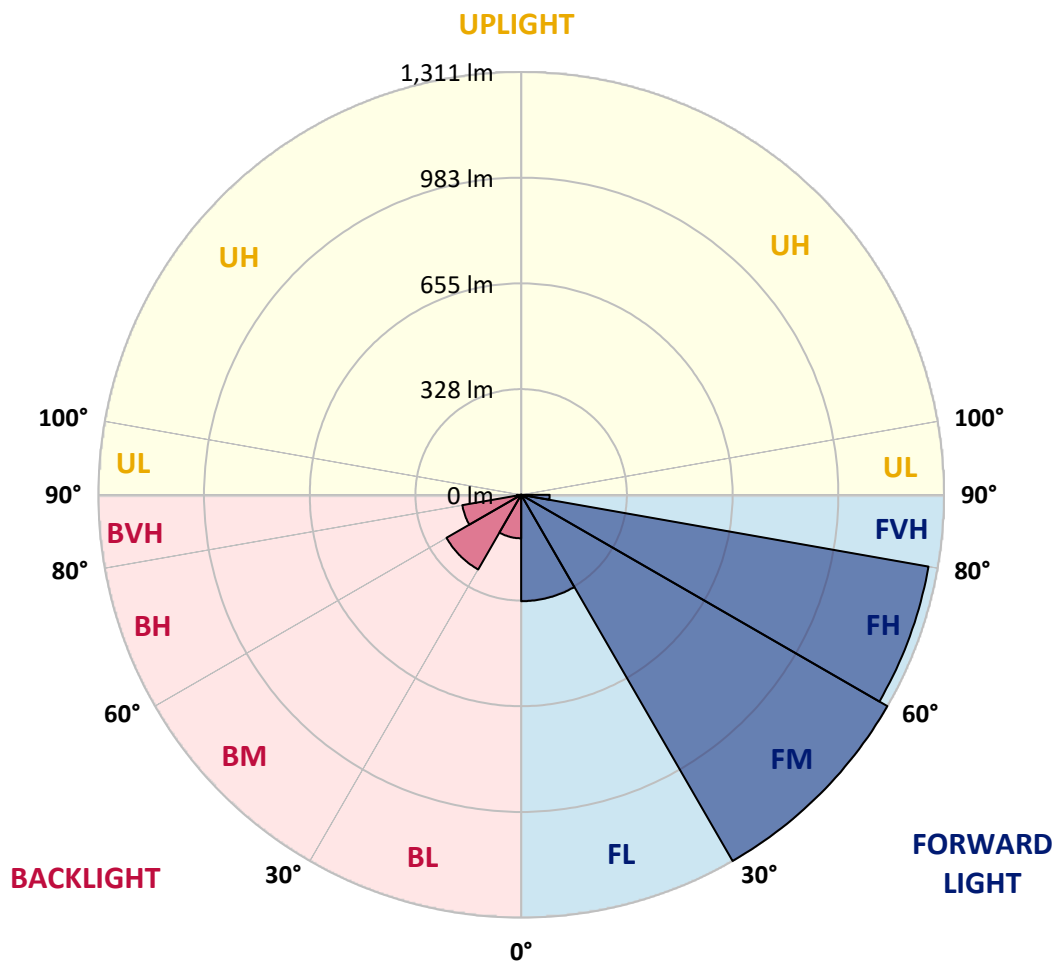
CATALOG NUMBER: ISS-AF-800-LED-E1-SLR-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	330.0	9.1			
FM	(30°-60°)	1310.9	36.3			
FH	(60°-80°)	1282.3	35.5			G1/1800
FVH	(80°-90°)	88.3	2.4			G1/100
BL	(0°-30°)	134.9	3.7	B1/500		
BM	(30°-60°)	267.3	7.4	B1/1000		
BH	(60°-80°)	185.4	5.1	B1/500		G1/500
BVH	(80°-90°)	13.1	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°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6
2.5°	1061.1	1052.5	1035.3	1001.0	965.3	930.9	925.2	912.4	913.8	906.6	903.8
5°	1026.8	1015.3	979.6	908.1	846.6	783.7	779.4	753.6	756.5	740.7	732.2
7.5°	951.0	935.2	895.2	796.5	710.7	627.8	619.2	589.2	584.9	569.1	556.3
10°	876.6	860.9	810.8	697.8	599.2	537.7	527.7	513.4	501.9	494.8	481.9
12.5°	829.4	820.8	760.8	630.6	553.4	503.4	490.5	476.2	464.8	451.9	439.0
15°	819.4	802.2	740.7	609.2	519.1	457.6	441.9	426.1	413.3	400.4	381.8
17.5°	846.6	829.4	760.8	599.2	480.5	406.1	386.1	364.7	351.8	336.1	316.0
20°	910.9	883.8	799.4	584.9	439.0	346.1	321.8	296.0	281.7	254.5	240.2
22.5°	1013.9	979.6	865.2	584.9	400.4	283.1	256.0	233.1	217.4	193.1	177.3
25°	1161.2	1131.1	972.4	600.6	366.1	230.2	203.1	180.2	164.5	147.3	137.3
27.5°	1298.5	1251.3	1086.8	623.5	338.9	193.1	165.9	147.3	135.9	127.3	121.6
30°	1401.4	1362.8	1186.9	639.2	298.9	161.6	144.4	133.0	127.3	123.0	120.1
32.5°	1495.8	1451.5	1258.4	649.2	274.6	137.3	121.6	113.0	107.3	101.5	100.1
35°	1595.9	1553.0	1342.8	647.8	258.8	125.8	110.1	100.1	94.4	93.0	90.1
37.5°	1734.6	1676.0	1440.0	647.8	253.1	121.6	103.0	93.0	88.7	85.8	84.4
40°	1869.0	1803.3	1547.3	652.1	247.4	118.7	103.0	93.0	85.8	82.9	80.1
42.5°	1994.9	1921.9	1644.5	659.2	244.5	110.1	97.2	91.5	88.7	82.9	78.7
45°	2090.7	2033.5	1720.3	673.5	244.5	104.4	91.5	87.2	85.8	85.8	84.4
47.5°	2183.6	2119.3	1807.5	700.7	248.8	100.1	87.2	81.5	81.5	81.5	82.9
50°	2303.8	2228.0	1927.7	756.5	248.8	98.7	82.9	77.2	75.8	78.7	78.7
52.5°	2466.8	2412.4	2103.6	836.6	246.0	97.2	81.5	72.9	71.5	72.9	75.8
55°	2697.0	2635.5	2316.6	935.2	243.1	94.4	78.7	71.5	68.6	67.2	68.6
57.5°	2895.8	2842.9	2512.5	1013.9	236.0	87.2	75.8	70.1	65.8	64.4	62.9
60°	2983.0	2938.7	2638.4	1066.8	223.1	80.1	71.5	67.2	62.9	61.5	60.1
62.5°	2997.3	2941.5	2639.8	1078.2	208.8	72.9	67.2	62.9	60.1	58.6	57.2
65°	2941.5	2878.6	2535.4	1008.2	197.3	72.9	64.4	60.1	55.8	54.3	52.9
67.5°	2815.7	2718.5	2270.9	855.2	187.3	74.4	62.9	55.8	52.9	51.5	50.1
70°	2512.5	2403.9	1917.7	679.3	183.0	75.8	62.9	52.9	48.6	47.2	47.2
72.5°	2013.5	1889.1	1495.8	511.9	175.9	77.2	61.5	50.1	45.8	42.9	42.9
75°	1362.8	1254.1	1013.9	346.1	145.9	67.2	55.8	45.8	40.0	37.2	35.8
77.5°	759.3	723.6	644.9	183.0	93.0	50.1	42.9	37.2	32.9	31.5	30.0
80°	446.2	427.6	380.4	101.5	57.2	28.6	25.7	24.3	21.5	21.5	21.5
82.5°	273.1	254.5	236.0	45.8	27.2	14.3	14.3	11.4	11.4	10.0	10.0
85°	74.4	68.6	95.8	10.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
0°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6
2.5°	892.3	889.5	889.5	868.0	868.0	856.6	853.7	853.7	858.0	855.2	838.0
5°	717.9	709.3	703.6	677.8	670.7	657.8	652.1	650.7	654.9	647.8	624.9
7.5°	540.5	533.4	524.8	504.8	496.2	494.8	477.6	473.3	470.5	464.8	450.5
10°	471.9	461.9	454.7	440.4	430.4	423.3	409.0	401.8	396.1	387.5	383.2
12.5°	424.7	414.7	404.7	386.1	373.2	364.7	356.1	341.8	336.1	326.0	320.3
15°	366.1	354.6	343.2	323.2	306.0	297.4	280.3	271.7	266.0	254.5	248.8
17.5°	294.6	278.9	266.0	247.4	238.8	224.5	214.5	200.2	188.8	184.5	180.2
20°	221.7	207.4	195.9	180.2	171.6	160.2	154.4	144.4	138.7	135.9	133.0
22.5°	163.0	151.6	144.4	135.9	131.6	127.3	124.4	121.6	118.7	117.3	117.3
25°	128.7	124.4	121.6	118.7	117.3	115.8	113.0	111.5	110.1	108.7	108.7
27.5°	117.3	114.4	113.0	111.5	110.1	107.3	107.3	104.4	103.0	103.0	101.5
30°	118.7	118.7	118.7	115.8	114.4	111.5	110.1	105.8	103.0	100.1	98.7
32.5°	97.2	97.2	95.8	93.0	91.5	90.1	90.1	87.2	85.8	85.8	88.7
35°	88.7	87.2	85.8	82.9	81.5	78.7	77.2	75.8	74.4	72.9	72.9
37.5°	84.4	82.9	81.5	78.7	77.2	75.8	74.4	71.5	70.1	70.1	68.6
40°	80.1	80.1	80.1	77.2	75.8	72.9	71.5	70.1	68.6	67.2	67.2
42.5°	77.2	77.2	77.2	75.8	74.4	72.9	70.1	68.6	67.2	65.8	64.4
45°	78.7	77.2	77.2	75.8	74.4	71.5	70.1	67.2	65.8	64.4	62.9
47.5°	84.4	82.9	80.1	77.2	74.4	71.5	68.6	65.8	64.4	62.9	61.5
50°	80.1	85.8	87.2	82.9	75.8	71.5	68.6	65.8	62.9	61.5	60.1
52.5°	78.7	80.1	85.8	85.8	78.7	72.9	68.6	65.8	62.9	60.1	58.6
55°	71.5	75.8	77.2	78.7	77.2	71.5	67.2	62.9	61.5	58.6	55.8
57.5°	62.9	65.8	67.2	70.1	71.5	70.1	64.4	60.1	58.6	55.8	52.9
60°	58.6	58.6	58.6	60.1	67.2	72.9	67.2	58.6	54.3	52.9	50.1
62.5°	54.3	54.3	52.9	54.3	55.8	62.9	61.5	55.8	52.9	51.5	48.6
65°	52.9	51.5	50.1	50.1	50.1	50.1	50.1	50.1	48.6	48.6	47.2
67.5°	48.6	47.2	47.2	45.8	45.8	45.8	45.8	45.8	44.3	44.3	42.9
70°	45.8	44.3	42.9	42.9	42.9	41.5	41.5	41.5	40.0	40.0	40.0
72.5°	41.5	40.0	40.0	40.0	38.6	38.6	38.6	37.2	37.2	35.8	35.8
75°	35.8	35.8	34.3	34.3	34.3	32.9	32.9	32.9	32.9	31.5	31.5
77.5°	30.0	28.6	30.0	28.6	28.6	28.6	28.6	28.6	27.2	27.2	25.7
80°	20.0	20.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.0
82.5°	11.4	10.0	11.4	11.4	11.4	12.9	12.9	14.3	12.9	12.9	11.4
85°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.9	2.9	2.9	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6
2.5°	846.6	845.1	830.8	833.7	829.4	820.8	822.3	823.7	826.6	820.8	818.0
5°	636.4	637.8	619.2	624.9	620.6	619.2	623.5	630.6	634.9	633.5	629.2
7.5°	451.9	453.3	437.6	436.2	431.9	430.4	436.2	443.3	447.6	446.2	447.6
10°	373.2	368.9	354.6	344.6	334.6	326.0	324.6	324.6	324.6	321.8	318.9
12.5°	308.9	304.6	287.4	278.9	270.3	258.8	257.4	256.0	251.7	247.4	241.7
15°	240.2	236.0	221.7	215.9	208.8	204.5	203.1	203.1	200.2	197.3	194.5
17.5°	174.5	171.6	163.0	157.3	155.9	157.3	158.7	161.6	163.0	164.5	164.5
20°	131.6	130.1	127.3	127.3	128.7	133.0	134.4	138.7	140.1	143.0	145.9
22.5°	115.8	115.8	114.4	114.4	117.3	121.6	124.4	125.8	127.3	128.7	128.7
25°	107.3	107.3	105.8	108.7	113.0	113.0	113.0	113.0	110.1	108.7	108.7
27.5°	101.5	101.5	101.5	103.0	101.5	100.1	100.1	100.1	98.7	98.7	97.2
30°	97.2	97.2	97.2	95.8	95.8	94.4	94.4	93.0	93.0	91.5	91.5
32.5°	90.1	87.2	90.1	87.2	87.2	85.8	87.2	87.2	84.4	84.4	84.4
35°	71.5	70.1	70.1	70.1	68.6	70.1	72.9	72.9	72.9	72.9	72.9
37.5°	67.2	67.2	65.8	64.4	64.4	62.9	64.4	62.9	62.9	62.9	64.4
40°	65.8	64.4	62.9	62.9	61.5	60.1	60.1	60.1	60.1	60.1	60.1
42.5°	62.9	62.9	60.1	58.6	58.6	57.2	57.2	57.2	57.2	57.2	57.2
45°	61.5	60.1	58.6	57.2	55.8	55.8	55.8	55.8	55.8	55.8	54.3
47.5°	60.1	58.6	57.2	55.8	54.3	52.9	52.9	52.9	52.9	52.9	52.9
50°	58.6	57.2	54.3	54.3	52.9	51.5	51.5	51.5	51.5	51.5	51.5
52.5°	55.8	55.8	52.9	51.5	50.1	50.1	50.1	50.1	50.1	50.1	50.1
55°	52.9	52.9	50.1	48.6	47.2	47.2	47.2	47.2	48.6	48.6	48.6
57.5°	51.5	50.1	47.2	47.2	44.3	44.3	44.3	45.8	45.8	47.2	47.2
60°	48.6	47.2	45.8	44.3	44.3	42.9	42.9	42.9	42.9	44.3	44.3
62.5°	47.2	45.8	42.9	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
65°	44.3	44.3	41.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
67.5°	41.5	41.5	38.6	37.2	37.2	37.2	38.6	37.2	37.2	37.2	37.2
70°	38.6	37.2	35.8	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
72.5°	34.3	34.3	32.9	31.5	31.5	31.5	31.5	31.5	31.5	31.5	32.9
75°	30.0	28.6	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
77.5°	25.7	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	24.3
80°	18.6	17.2	17.2	17.2	17.2	18.6	18.6	18.6	18.6	18.6	18.6
82.5°	11.4	10.0	10.0	10.0	11.4	12.9	12.9	12.9	12.9	14.3	14.3
85°	2.9	2.9	2.9	2.9	5.7	7.2	7.2	7.2	8.6	7.2	7.2
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):**

	115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°
0°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6
2.5°	815.1	832.3	832.3	820.8	826.6	820.8	819.4	829.4	835.1	853.7	865.2
5°	630.6	652.1	653.5	647.8	654.9	650.7	654.9	667.8	677.8	690.7	702.1
7.5°	450.5	470.5	474.8	470.5	483.3	481.9	484.8	499.1	507.7	514.8	516.2
10°	317.5	320.3	331.8	328.9	337.5	336.1	340.3	351.8	363.2	367.5	370.4
12.5°	238.8	236.0	240.2	234.5	238.8	238.8	240.2	247.4	261.7	267.4	281.7
15°	193.1	190.2	190.2	187.3	187.3	185.9	187.3	193.1	203.1	211.6	223.1
17.5°	164.5	164.5	164.5	163.0	161.6	161.6	163.0	165.9	171.6	177.3	183.0
20°	147.3	150.2	151.6	153.0	154.4	155.9	157.3	161.6	160.2	154.4	147.3
22.5°	128.7	128.7	130.1	130.1	128.7	128.7	128.7	128.7	128.7	133.0	137.3
25°	107.3	107.3	107.3	108.7	107.3	107.3	108.7	108.7	110.1	113.0	117.3
27.5°	97.2	97.2	97.2	97.2	97.2	97.2	97.2	98.7	100.1	104.4	107.3
30°	90.1	90.1	88.7	88.7	88.7	87.2	88.7	88.7	90.1	95.8	100.1
32.5°	82.9	81.5	81.5	81.5	80.1	80.1	80.1	82.9	84.4	87.2	91.5
35°	72.9	72.9	72.9	74.4	74.4	74.4	74.4	77.2	77.2	78.7	78.7
37.5°	65.8	65.8	67.2	68.6	68.6	70.1	70.1	71.5	72.9	71.5	70.1
40°	60.1	61.5	61.5	64.4	64.4	64.4	65.8	67.2	68.6	65.8	65.8
42.5°	57.2	57.2	57.2	58.6	58.6	58.6	60.1	61.5	62.9	62.9	62.9
45°	54.3	54.3	54.3	55.8	54.3	54.3	54.3	55.8	58.6	58.6	60.1
47.5°	52.9	52.9	52.9	51.5	51.5	51.5	51.5	52.9	54.3	57.2	58.6
50°	51.5	50.1	50.1	50.1	50.1	50.1	50.1	51.5	52.9	54.3	57.2
52.5°	48.6	48.6	48.6	48.6	48.6	48.6	48.6	50.1	51.5	52.9	54.3
55°	48.6	48.6	47.2	47.2	48.6	48.6	48.6	50.1	51.5	52.9	52.9
57.5°	47.2	45.8	45.8	47.2	47.2	47.2	47.2	48.6	50.1	51.5	51.5
60°	44.3	44.3	44.3	44.3	45.8	45.8	47.2	48.6	48.6	50.1	50.1
62.5°	41.5	42.9	42.9	42.9	44.3	44.3	45.8	47.2	48.6	50.1	48.6
65°	40.0	41.5	41.5	41.5	42.9	42.9	42.9	45.8	47.2	47.2	48.6
67.5°	38.6	38.6	38.6	40.0	40.0	41.5	41.5	44.3	44.3	45.8	47.2
70°	35.8	35.8	35.8	37.2	37.2	38.6	40.0	41.5	41.5	42.9	44.3
72.5°	32.9	32.9	32.9	34.3	34.3	35.8	37.2	40.0	38.6	40.0	40.0
75°	28.6	28.6	30.0	30.0	31.5	32.9	34.3	34.3	34.3	34.3	34.3
77.5°	24.3	24.3	25.7	25.7	27.2	28.6	28.6	28.6	30.0	28.6	28.6
80°	20.0	20.0	21.5	21.5	21.5	21.5	22.9	21.5	22.9	21.5	22.9
82.5°	14.3	14.3	15.7	14.3	15.7	14.3	14.3	12.9	15.7	14.3	14.3
85°	5.7	7.2	7.2	7.2	7.2	5.7	5.7	4.3	5.7	5.7	4.3
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):**

	175°	180°	185°	195°	205°	215°	225°	230°	235°	240°	245°
0°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6
2.5°	869.5	868.0	889.5	905.2	915.2	953.8	971.0	992.4	1002.4	1016.7	1031.0
5°	703.6	700.7	726.4	746.5	763.6	819.4	852.3	882.3	906.6	929.5	962.4
7.5°	503.4	497.6	514.8	532.0	554.8	614.9	672.1	712.1	747.9	786.5	829.4
10°	371.8	376.1	393.3	419.0	449.0	494.8	540.5	569.1	600.6	643.5	695.0
12.5°	297.4	314.6	328.9	360.4	396.1	447.6	496.2	519.1	542.0	563.4	590.6
15°	238.8	248.8	260.3	290.3	333.2	393.3	450.5	476.2	503.4	529.1	553.4
17.5°	184.5	188.8	194.5	215.9	254.5	326.0	389.0	421.9	453.3	489.1	522.0
20°	147.3	147.3	148.7	158.7	185.9	241.7	318.9	360.4	400.4	446.2	493.4
22.5°	128.7	127.3	128.7	133.0	145.9	178.8	248.8	297.4	348.9	406.1	464.8
25°	121.6	120.1	118.7	121.6	128.7	144.4	194.5	246.0	298.9	367.5	439.0
27.5°	110.1	111.5	113.0	115.8	121.6	130.1	161.6	200.2	258.8	334.6	420.4
30°	103.0	104.4	105.8	108.7	118.7	128.7	147.3	171.6	221.7	296.0	391.8
32.5°	94.4	95.8	97.2	98.7	101.5	113.0	125.8	145.9	188.8	261.7	361.8
35°	77.2	77.2	78.7	82.9	88.7	100.1	113.0	128.7	168.7	238.8	343.2
37.5°	71.5	71.5	72.9	77.2	82.9	93.0	104.4	118.7	160.2	230.2	326.0
40°	67.2	68.6	68.6	72.9	78.7	90.1	97.2	114.4	155.9	217.4	308.9
42.5°	64.4	64.4	65.8	70.1	77.2	85.8	95.8	111.5	144.4	205.9	298.9
45°	61.5	62.9	62.9	67.2	75.8	82.9	97.2	105.8	137.3	197.3	290.3
47.5°	60.1	60.1	61.5	65.8	74.4	84.4	94.4	100.1	130.1	190.2	283.1
50°	57.2	58.6	60.1	64.4	72.9	93.0	90.1	95.8	124.4	184.5	278.9
52.5°	55.8	57.2	58.6	62.9	72.9	94.4	87.2	90.1	120.1	178.8	276.0
55°	54.3	54.3	55.8	61.5	72.9	87.2	81.5	87.2	111.5	170.2	268.8
57.5°	51.5	52.9	54.3	58.6	71.5	80.1	77.2	82.9	103.0	155.9	258.8
60°	51.5	51.5	52.9	57.2	71.5	71.5	72.9	78.7	93.0	138.7	241.7
62.5°	50.1	50.1	51.5	57.2	72.9	64.4	68.6	74.4	85.8	124.4	220.2
65°	48.6	48.6	50.1	54.3	62.9	61.5	65.8	70.1	82.9	114.4	201.6
67.5°	45.8	45.8	47.2	51.5	55.8	57.2	62.9	67.2	81.5	113.0	184.5
70°	42.9	42.9	42.9	47.2	50.1	54.3	58.6	64.4	81.5	111.5	171.6
72.5°	40.0	38.6	40.0	42.9	45.8	48.6	52.9	60.1	80.1	113.0	165.9
75°	34.3	34.3	34.3	37.2	40.0	42.9	47.2	55.8	75.8	105.8	148.7
77.5°	28.6	28.6	27.2	31.5	34.3	35.8	40.0	48.6	65.8	90.1	120.1
80°	21.5	20.0	20.0	24.3	25.7	28.6	31.5	37.2	51.5	65.8	88.7
82.5°	12.9	11.4	11.4	15.7	17.2	18.6	24.3	27.2	34.3	42.9	60.1
85°	4.3	4.3	4.3	7.2	8.6	10.0	14.3	15.7	21.5	27.2	31.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	4.3	7.2	8.6	7.2
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°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	0°
2.5°	1048.2	1062.5	1081.1	1098.3	1111.1	1122.6	1136.9	1136.9	1154.0	1159.7	1171.2	2.5°
5°	988.1	1015.3	1055.4	1088.2	1128.3	1166.9	1202.6	1222.7	1257.0	1279.9	1302.7	5°
7.5°	866.6	903.8	953.8	999.6	1058.2	1121.1	1179.8	1234.1	1291.3	1339.9	1375.7	7.5°
10°	739.3	790.8	843.7	902.3	965.3	1032.5	1104.0	1176.9	1245.5	1314.2	1372.8	10°
12.5°	634.9	693.6	753.6	826.6	899.5	971.0	1055.4	1118.3	1189.8	1258.4	1315.6	12.5°
15°	590.6	642.1	712.1	792.2	869.5	942.4	1021.0	1085.4	1152.6	1208.4	1248.4	15°
17.5°	572.0	637.8	717.9	802.2	885.2	973.8	1043.9	1098.3	1148.3	1174.0	1179.8	17.5°
20°	552.0	642.1	749.3	852.3	953.8	1046.8	1098.3	1134.0	1142.6	1141.2	1119.7	20°
22.5°	540.5	656.4	789.4	933.8	1061.1	1169.8	1205.5	1198.4	1162.6	1116.8	1081.1	22.5°
25°	537.7	689.3	858.0	1049.6	1205.5	1314.2	1334.2	1294.2	1214.1	1125.4	1065.4	25°
27.5°	540.5	726.4	943.8	1174.0	1357.1	1468.6	1461.5	1401.4	1287.0	1162.6	1066.8	27.5°
30°	527.7	765.1	1029.6	1282.7	1464.3	1557.3	1528.7	1438.6	1311.3	1186.9	1085.4	30°
32.5°	506.2	793.7	1105.4	1370.0	1575.9	1646.0	1594.5	1497.2	1365.7	1238.4	1134.0	32.5°
35°	481.9	806.5	1159.7	1451.5	1696.0	1733.2	1650.2	1551.6	1431.4	1302.7	1189.8	35°
37.5°	456.2	808.0	1211.2	1537.3	1811.8	1827.6	1707.4	1601.6	1484.4	1368.5	1265.6	37.5°
40°	441.9	802.2	1264.1	1643.1	1936.2	1914.8	1767.5	1643.1	1527.3	1438.6	1354.2	40°
42.5°	436.2	792.2	1302.7	1723.2	2043.5	1996.3	1823.3	1684.6	1580.2	1505.8	1447.2	42.5°
45°	436.2	782.2	1338.5	1783.2	2123.6	2062.1	1876.2	1724.6	1631.7	1585.9	1557.3	45°
47.5°	437.6	786.5	1381.4	1880.5	2192.2	2125.0	1917.7	1783.2	1703.2	1686.0	1696.0	47.5°
50°	444.7	835.1	1454.3	1987.7	2278.0	2192.2	1973.4	1849.0	1800.4	1817.6	1874.8	50°
52.5°	456.2	912.4	1580.2	2115.0	2411.0	2299.5	2066.4	1943.4	1920.5	1982.0	2090.7	52.5°
55°	467.6	991.0	1744.6	2328.1	2625.5	2494.0	2230.8	2107.8	2080.7	2175.1	2330.9	55°
57.5°	477.6	1049.6	1904.8	2539.7	2811.4	2711.3	2448.2	2299.5	2288.0	2389.6	2559.7	57.5°
60°	487.6	1095.4	1997.7	2634.1	2895.8	2885.8	2672.7	2535.4	2518.3	2612.6	2774.2	60°
62.5°	481.9	1078.2	2023.5	2586.9	2888.6	2971.6	2855.7	2758.5	2699.9	2778.5	2935.8	62.5°
65°	460.5	988.1	1942.0	2423.9	2784.2	2920.1	2930.1	2907.2	2801.4	2807.1	2918.7	65°
67.5°	401.8	830.8	1691.7	2166.5	2579.8	2741.3	2910.1	2902.9	2768.5	2649.8	2672.7	67.5°
70°	333.2	652.1	1380.0	1844.7	2289.5	2428.2	2697.0	2751.4	2559.7	2338.1	2233.7	70°
72.5°	280.3	487.6	1061.1	1428.6	1834.7	1996.3	2395.3	2471.1	2209.4	1897.6	1736.0	72.5°
75°	233.1	344.6	746.5	983.9	1265.6	1478.6	2090.7	2097.8	1793.2	1492.9	1318.5	75°
77.5°	173.0	234.5	540.5	687.8	869.5	1052.5	1690.3	1708.9	1422.9	1132.6	982.4	77.5°
80°	115.8	144.4	344.6	480.5	584.9	705.0	1239.8	1161.2	939.5	785.1	746.5	80°
82.5°	70.1	84.4	198.8	336.1	368.9	439.0	779.4	727.9	619.2	566.3	580.6	82.5°
85°	38.6	52.9	121.6	220.2	171.6	240.2	426.1	416.1	390.4	341.8	297.4	85°
87.5°	10.0	11.4	27.2	10.0	4.3	12.9	82.9	54.3	54.3	31.5	11.4	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°
999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	0° 999.6
1161.2	1165.5	1164.0	1154.0	1128.3	1118.3	1114.0	1102.5	1089.7	1089.7	1078.2	2.5° 1075.4
1301.3	1308.5	1299.9	1275.6	1209.8	1178.3	1159.7	1136.9	1118.3	1101.1	1084.0	5° 1059.6
1400.0	1405.7	1391.4	1335.6	1218.4	1165.5	1136.9	1109.7	1086.8	1056.8	1029.6	7.5° 1005.3
1418.6	1431.4	1415.7	1335.6	1199.8	1134.0	1102.5	1072.5	1039.6	1008.2	969.6	10° 939.5
1365.7	1392.8	1381.4	1322.8	1191.2	1121.1	1084.0	1048.2	1008.2	975.3	930.9	12.5° 902.3
1284.2	1287.0	1294.2	1292.7	1175.5	1106.8	1069.7	1032.5	996.7	965.3	926.7	15° 890.9
1194.1	1191.2	1199.8	1227.0	1171.2	1116.8	1092.5	1056.8	1031.0	995.3	965.3	17.5° 925.2
1112.6	1108.3	1116.8	1144.0	1154.0	1141.2	1131.1	1109.7	1089.7	1066.8	1042.5	20° 1003.9
1061.1	1046.8	1045.3	1085.4	1162.6	1196.9	1204.1	1201.2	1199.8	1182.6	1165.5	22.5° 1121.1
1032.5	1016.7	1023.9	1069.7	1198.4	1262.7	1295.6	1307.0	1322.8	1322.8	1322.8	25° 1279.9
1023.9	1006.7	1016.7	1068.2	1235.5	1342.8	1390.0	1418.6	1448.6	1461.5	1470.1	27.5° 1442.9
1029.6	1012.5	1016.7	1078.2	1254.1	1361.4	1417.1	1458.6	1505.8	1537.3	1558.7	30° 1537.3
1062.5	1032.5	1029.6	1108.3	1288.4	1402.8	1461.5	1508.7	1561.6	1597.3	1635.9	32.5° 1633.1
1106.8	1063.9	1058.2	1156.9	1332.8	1455.8	1514.4	1555.9	1610.2	1658.8	1714.6	35° 1734.6
1181.2	1128.3	1119.7	1238.4	1392.8	1500.1	1558.7	1613.1	1671.7	1734.6	1806.1	37.5° 1853.3
1281.3	1228.4	1228.4	1342.8	1474.3	1561.6	1625.9	1683.1	1747.5	1831.9	1919.1	40° 1994.9
1394.3	1359.9	1365.7	1468.6	1567.3	1638.8	1700.3	1761.8	1829.0	1913.4	2014.9	42.5° 2112.1
1544.4	1525.8	1554.4	1627.4	1661.7	1710.3	1764.6	1819.0	1891.9	1979.1	2095.0	45° 2197.9
1720.3	1736.0	1776.1	1799.0	1757.5	1783.2	1826.1	1876.2	1962.0	2050.6	2165.0	47.5° 2276.6
1940.5	1982.0	2020.6	2014.9	1876.2	1867.6	1907.6	1946.3	2032.1	2133.6	2255.1	50° 2375.3
2193.6	2248.0	2275.2	2243.7	2009.2	1959.1	1992.0	2044.9	2139.3	2255.1	2391.0	52.5° 2508.3
2451.1	2516.8	2508.3	2472.5	2153.6	2086.4	2106.4	2169.3	2285.2	2416.7	2588.3	55° 2704.2
2684.1	2735.6	2758.5	2681.3	2329.5	2240.8	2263.7	2329.5	2452.5	2599.8	2775.7	57.5° 2890.1
2868.6	2924.4	2924.4	2848.6	2521.1	2418.2	2456.8	2521.1	2626.9	2772.8	2937.3	60° 3035.9
3003.0	3047.4	3031.6	2958.7	2685.6	2606.9	2637.0	2725.6	2821.4	2930.1	3060.2	62.5° 3110.3
2993.0	2997.3	2980.2	2953.0	2784.2	2775.7	2832.9	2901.5	2981.6	3023.1	3096.0	65° 3114.6
2711.3	2712.7	2747.1	2735.6	2709.9	2815.7	2890.1	2947.3	3017.3	3017.3	3008.8	67.5° 3017.3
2222.2	2245.1	2303.8	2286.6	2418.2	2635.5	2721.3	2808.6	2870.0	2870.0	2797.1	70° 2755.6
1691.7	1706.0	1776.1	1760.4	1939.1	2177.9	2366.7	2512.5	2572.6	2609.8	2516.8	72.5° 2315.2
1231.2	1229.8	1259.8	1237.0	1462.9	1728.9	1923.4	2105.0	2203.7	2235.1	2066.4	75° 1697.4
948.1	922.4	916.6	919.5	1036.8	1257.0	1411.4	1527.3	1540.1	1544.4	1317.0	77.5° 1028.2
765.1	765.1	756.5	725.0	634.9	735.0	813.7	905.2	938.1	985.3	789.4	80° 579.2
610.6	586.3	543.4	481.9	407.6	434.7	471.9	506.2	562.0	582.0	480.5	82.5° 328.9
304.6	296.0	258.8	214.5	178.8	237.4	264.6	267.4	267.4	247.4	201.6	85° 134.4
1.4	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°
999.6	999.6
1058.2	1061.1
1035.3	1026.8
963.8	951.0
886.6	876.6
842.3	829.4
833.7	819.4
863.7	846.6
930.9	910.9
1038.2	1013.9
1185.5	1161.2
1329.9	1298.5
1432.9	1401.4
1533.0	1495.8
1633.1	1595.9
1767.5	1734.6
1916.2	1869.0
2039.2	1994.9
2136.4	2090.7
2229.4	2183.6
2335.2	2303.8
2494.0	2466.8
2735.6	2697.0
2912.9	2895.8
3004.5	2983.0
3033.1	2997.3
2995.9	2941.5
2878.6	2815.7
2595.5	2512.5
2069.2	2013.5
1395.7	1362.8
802.2	759.3
460.5	446.2
258.8	273.1
67.2	74.4
0.0	0.0
0.0	0.0

(END OF REPORT)