

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: P271546

Luminaire Tested: **ISS-AF-1200-LED-E1-SLR-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271546
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-1200-LED-E1-SLR-7027
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4768 lumens
Efficiency: N/A
Efficacy: 72.2 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

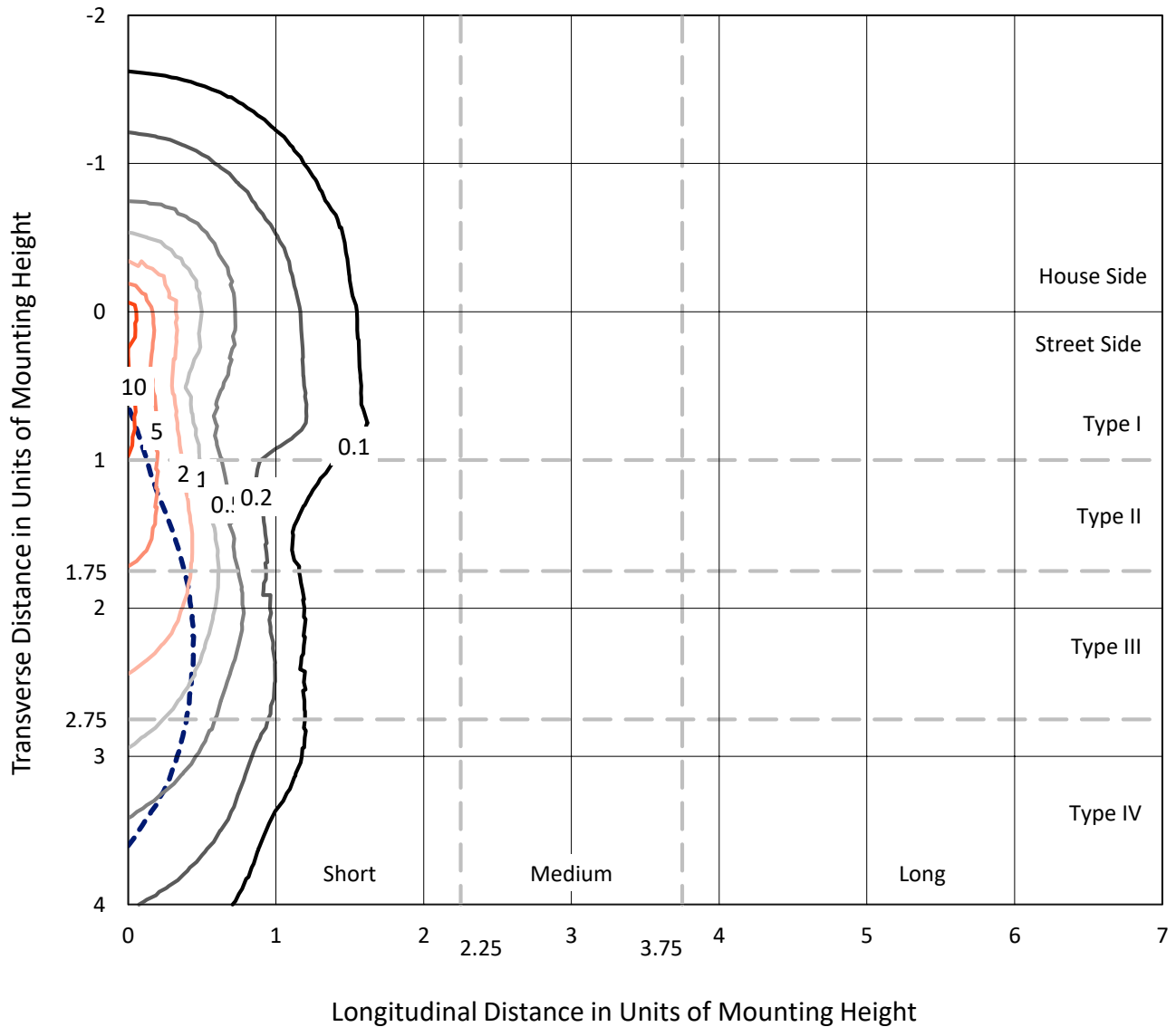
Input Watts (W): 66
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

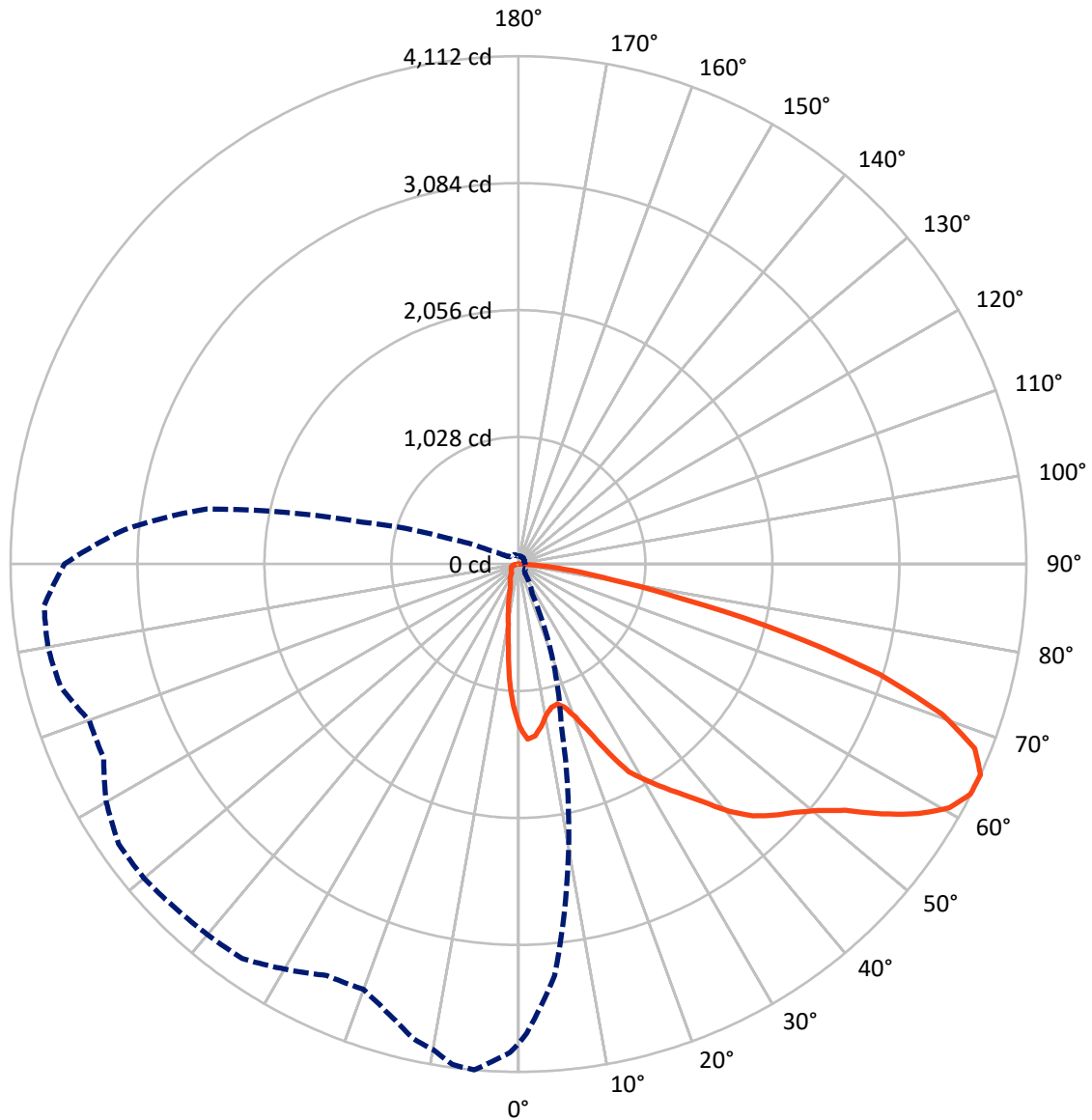
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 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	792.8	0.0	792.8
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	3975.2	0.0	3975.2
	% Fixture	83.4	0.0	83.4
Total	Lumens	4768.0	0.0	4768.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	2.1
10°-20°	208.8	4.4
20°-30°	303.5	6.4
30°-40°	448.9	9.4
40°-50°	654.0	13.7
50°-60°	980.4	20.6
60°-70°	1221.7	25.6
70°-80°	715.7	15.0
80°-90°	133.8	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°	4768.0	100.0
0°-180°	4768.0	100.0

Coefficient of Utilization



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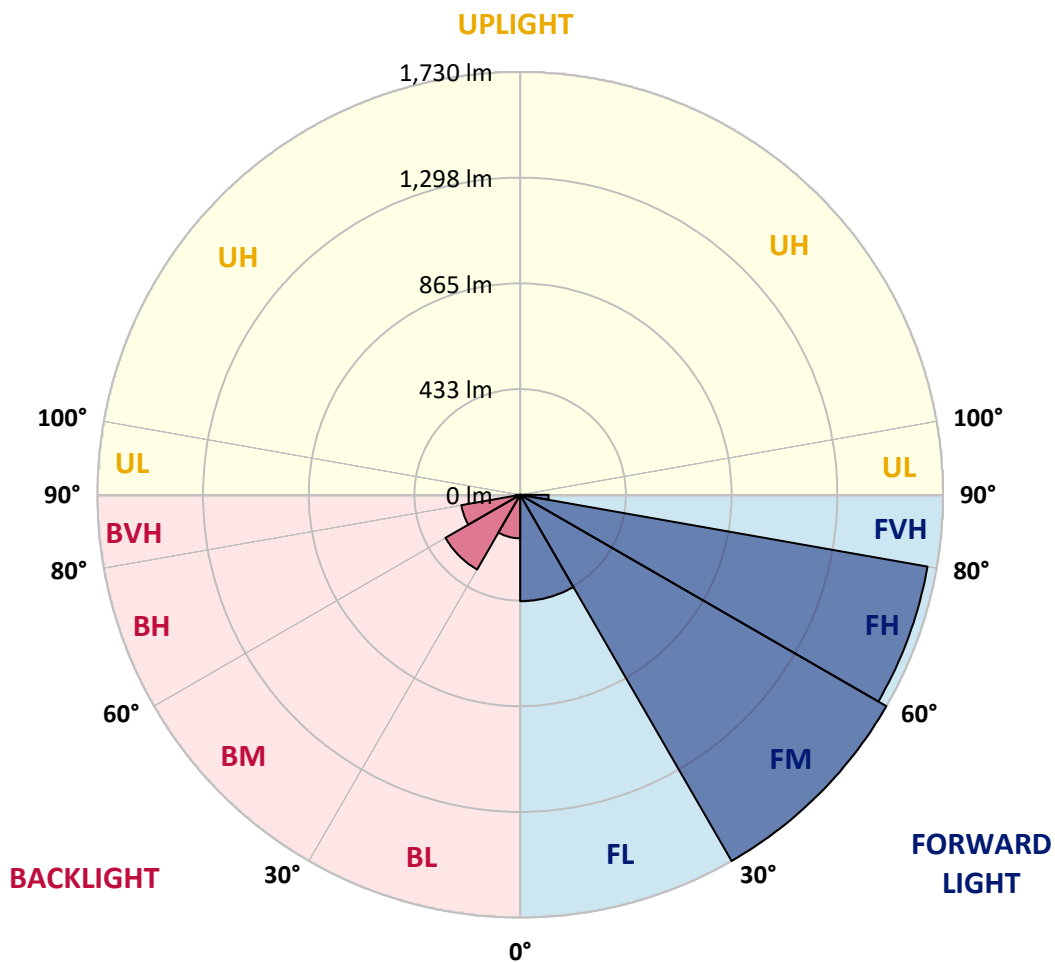
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	435.6	9.1			
FM	(30°-60°)	1730.4	36.3			
FH	(60°-80°)	1692.6	35.5			G1/1800
FVH	(80°-90°)	116.6	2.4			G2/225
BL	(0°-30°)	178.0	3.7	B1/500		
BM	(30°-60°)	352.9	7.4	B1/1000		
BH	(60°-80°)	244.7	5.1	B1/500		G1/500
BVH	(80°-90°)	17.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
0°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
2.5°	1400.6	1389.4	1366.7	1321.4	1274.2	1228.9	1221.3	1204.4	1206.2	1196.8	1192.9
5°	1355.4	1340.3	1293.1	1198.7	1117.5	1034.5	1028.8	994.9	998.6	977.9	966.5
7.5°	1255.3	1234.6	1181.7	1051.5	938.2	828.7	817.4	777.8	772.0	751.3	734.4
10°	1157.2	1136.4	1070.3	921.2	791.0	709.8	696.5	677.7	662.6	653.2	636.2
12.5°	1094.9	1083.5	1004.2	832.5	730.5	664.5	647.5	628.6	613.5	596.6	579.6
15°	1081.6	1059.0	977.9	804.2	685.2	604.1	583.3	562.5	545.5	528.6	503.9
17.5°	1117.5	1094.9	1004.2	791.0	634.2	536.1	509.7	481.3	464.3	443.7	417.3
20°	1202.5	1166.6	1055.1	772.0	579.6	456.8	424.7	390.8	371.9	336.1	317.1
22.5°	1338.4	1293.1	1142.0	772.0	528.6	373.8	337.9	307.7	286.9	254.8	234.1
25°	1532.8	1493.2	1283.7	792.8	483.3	304.0	268.1	237.8	217.1	194.4	181.2
27.5°	1714.1	1651.7	1434.6	823.0	447.4	254.8	219.0	194.4	179.3	168.1	160.4
30°	1850.0	1798.9	1566.8	843.8	394.5	213.3	190.7	175.6	168.1	162.3	158.6
32.5°	1974.6	1916.1	1661.1	857.1	362.5	181.2	160.4	149.1	141.6	134.0	132.1
35°	2106.6	2050.0	1772.5	855.2	341.6	166.2	145.3	132.1	124.5	122.7	118.9
37.5°	2289.8	2212.3	1900.9	855.2	334.1	160.4	135.9	122.7	117.0	113.3	111.4
40°	2467.3	2380.4	2042.5	860.8	326.5	156.7	135.9	122.7	113.3	109.5	105.7
42.5°	2633.3	2537.0	2170.8	870.3	322.9	145.3	128.4	120.8	117.0	109.5	103.8
45°	2759.9	2684.3	2270.9	889.1	322.9	137.8	120.8	115.2	113.3	113.3	111.4
47.5°	2882.5	2797.6	2386.1	925.0	328.5	132.1	115.2	107.5	107.5	107.5	109.5
50°	3041.1	2941.1	2544.6	998.6	328.5	130.3	109.5	102.0	100.0	103.8	103.8
52.5°	3256.3	3184.5	2776.8	1104.3	324.6	128.4	107.5	96.3	94.4	96.3	100.0
55°	3560.3	3479.0	3058.1	1234.6	321.0	124.5	103.8	94.4	90.5	88.8	90.5
57.5°	3822.6	3752.8	3316.7	1338.4	311.4	115.2	100.0	92.4	86.9	84.9	83.0
60°	3937.7	3879.2	3482.8	1408.3	294.5	105.7	94.4	88.8	83.0	81.2	79.3
62.5°	3956.7	3883.0	3484.6	1423.4	275.6	96.3	88.8	83.0	79.3	77.4	75.5
65°	3883.0	3799.9	3346.8	1330.7	260.5	96.3	84.9	79.3	73.6	71.8	69.9
67.5°	3716.8	3588.5	2997.6	1128.8	247.3	98.2	83.0	73.6	69.9	67.9	66.0
70°	3316.7	3173.3	2531.4	896.7	241.6	100.0	83.0	69.9	64.2	62.3	62.3
72.5°	2657.8	2493.7	1974.6	675.7	232.2	102.0	81.2	66.0	60.4	56.6	56.6
75°	1798.9	1655.6	1338.4	456.8	192.6	88.8	73.6	60.4	52.9	49.0	47.3
77.5°	1002.4	955.2	851.3	241.6	122.7	66.0	56.6	49.0	43.4	41.5	39.6
80°	589.0	564.5	502.2	134.0	75.5	37.8	34.0	32.1	28.3	28.3	28.3
82.5°	360.6	336.1	311.4	60.4	35.8	18.9	18.9	15.1	15.1	13.3	13.3
85°	98.2	90.5	126.5	13.3	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°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
2.5°	1177.9	1174.2	1174.2	1145.9	1145.9	1130.8	1126.9	1126.9	1132.7	1128.8	1106.3
5°	947.6	936.3	928.8	894.8	885.3	868.3	860.8	858.9	864.6	855.2	824.9
7.5°	713.5	704.1	692.9	666.4	655.0	653.2	630.5	624.8	621.1	613.5	594.6
10°	623.0	609.7	600.2	581.5	568.2	558.7	539.9	530.4	522.9	511.6	505.8
12.5°	560.6	547.4	534.2	509.7	492.7	481.3	470.0	451.2	443.7	430.4	422.8
15°	483.3	468.2	453.0	426.7	404.0	392.6	370.0	358.6	351.1	336.1	328.5
17.5°	388.9	368.0	351.1	326.5	315.2	296.4	283.1	264.3	249.2	243.5	237.8
20°	292.6	273.7	258.6	237.8	226.6	211.4	203.8	190.7	183.2	179.3	175.6
22.5°	215.2	200.1	190.7	179.3	173.6	168.1	164.2	160.4	156.7	154.8	154.8
25°	169.9	164.2	160.4	156.7	154.8	152.9	149.1	147.2	145.3	143.5	143.5
27.5°	154.8	151.1	149.1	147.2	145.3	141.6	141.6	137.8	135.9	135.9	134.0
30°	156.7	156.7	156.7	152.9	151.1	147.2	145.3	139.7	135.9	132.1	130.3
32.5°	128.4	128.4	126.5	122.7	120.8	118.9	118.9	115.2	113.3	113.3	117.0
35°	117.0	115.2	113.3	109.5	107.5	103.8	102.0	100.0	98.2	96.3	96.3
37.5°	111.4	109.5	107.5	103.8	102.0	100.0	98.2	94.4	92.4	92.4	90.5
40°	105.7	105.7	105.7	102.0	100.0	96.3	94.4	92.4	90.5	88.8	88.8
42.5°	102.0	102.0	102.0	100.0	98.2	96.3	92.4	90.5	88.8	86.9	84.9
45°	103.8	102.0	102.0	100.0	98.2	94.4	92.4	88.8	86.9	84.9	83.0
47.5°	111.4	109.5	105.7	102.0	98.2	94.4	90.5	86.9	84.9	83.0	81.2
50°	105.7	113.3	115.2	109.5	100.0	94.4	90.5	86.9	83.0	81.2	79.3
52.5°	103.8	105.7	113.3	113.3	103.8	96.3	90.5	86.9	83.0	79.3	77.4
55°	94.4	100.0	102.0	103.8	102.0	94.4	88.8	83.0	81.2	77.4	73.6
57.5°	83.0	86.9	88.8	92.4	94.4	92.4	84.9	79.3	77.4	73.6	69.9
60°	77.4	77.4	77.4	79.3	88.8	96.3	88.8	77.4	71.8	69.9	66.0
62.5°	71.8	71.8	69.9	71.8	73.6	83.0	81.2	73.6	69.9	67.9	64.2
65°	69.9	67.9	66.0	66.0	66.0	66.0	66.0	66.0	64.2	64.2	62.3
67.5°	64.2	62.3	62.3	60.4	60.4	60.4	60.4	60.4	58.5	58.5	56.6
70°	60.4	58.5	56.6	56.6	56.6	54.8	54.8	54.8	52.9	52.9	52.9
72.5°	54.8	52.9	52.9	52.9	50.9	50.9	50.9	49.0	49.0	47.3	47.3
75°	47.3	47.3	45.4	45.4	45.4	43.4	43.4	43.4	43.4	41.5	41.5
77.5°	39.6	37.8	39.6	37.8	37.8	37.8	37.8	37.8	35.8	35.8	34.0
80°	26.4	26.4	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	26.4
82.5°	15.1	13.3	15.1	15.1	15.1	17.0	17.0	18.9	17.0	17.0	15.1
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°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
2.5°	1117.5	1115.7	1096.7	1100.5	1094.9	1083.5	1085.4	1087.3	1091.1	1083.5	1079.8
5°	840.1	841.9	817.4	824.9	819.3	817.4	823.0	832.5	838.2	836.2	830.7
7.5°	596.6	598.5	577.6	575.7	570.1	568.2	575.7	585.2	590.8	589.0	590.8
10°	492.7	487.0	468.2	454.9	441.8	430.4	428.5	428.5	428.5	424.7	420.9
12.5°	407.7	402.1	379.4	368.0	356.8	341.6	339.8	337.9	332.2	326.5	319.0
15°	317.1	311.4	292.6	285.0	275.6	269.9	268.1	268.1	264.3	260.5	256.7
17.5°	230.2	226.6	215.2	207.7	205.7	207.7	209.6	213.3	215.2	217.1	217.1
20°	173.6	171.8	168.1	168.1	169.9	175.6	177.4	183.2	185.1	188.7	192.6
22.5°	152.9	152.9	151.1	151.1	154.8	160.4	164.2	166.2	168.1	169.9	169.9
25°	141.6	141.6	139.7	143.5	149.1	149.1	149.1	149.1	145.3	143.5	143.5
27.5°	134.0	134.0	134.0	135.9	134.0	132.1	132.1	132.1	130.3	130.3	128.4
30°	128.4	128.4	128.4	126.5	126.5	124.5	124.5	122.7	122.7	120.8	120.8
32.5°	118.9	115.2	118.9	115.2	115.2	113.3	115.2	115.2	111.4	111.4	111.4
35°	94.4	92.4	92.4	92.4	90.5	92.4	96.3	96.3	96.3	96.3	96.3
37.5°	88.8	88.8	86.9	84.9	84.9	83.0	84.9	83.0	83.0	83.0	84.9
40°	86.9	84.9	83.0	83.0	81.2	79.3	79.3	79.3	79.3	79.3	79.3
42.5°	83.0	83.0	79.3	77.4	77.4	75.5	75.5	75.5	75.5	75.5	75.5
45°	81.2	79.3	77.4	75.5	73.6	73.6	73.6	73.6	73.6	73.6	71.8
47.5°	79.3	77.4	75.5	73.6	71.8	69.9	69.9	69.9	69.9	69.9	69.9
50°	77.4	75.5	71.8	71.8	69.9	67.9	67.9	67.9	67.9	67.9	67.9
52.5°	73.6	73.6	69.9	67.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
55°	69.9	69.9	66.0	64.2	62.3	62.3	62.3	62.3	64.2	64.2	64.2
57.5°	67.9	66.0	62.3	62.3	58.5	58.5	58.5	60.4	60.4	62.3	62.3
60°	64.2	62.3	60.4	58.5	58.5	56.6	56.6	56.6	56.6	58.5	58.5
62.5°	62.3	60.4	56.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
65°	58.5	58.5	54.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
67.5°	54.8	54.8	50.9	49.0	49.0	49.0	50.9	49.0	49.0	49.0	49.0
70°	50.9	49.0	47.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
72.5°	45.4	45.4	43.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	43.4
75°	39.6	37.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
77.5°	34.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	32.1
80°	24.5	22.6	22.6	22.6	22.6	24.5	24.5	24.5	24.5	24.5	24.5
82.5°	15.1	13.3	13.3	13.3	15.1	17.0	17.0	17.0	17.0	18.9	18.9
85°	3.8	3.8	3.8	3.8	7.5	9.4	9.4	9.4	11.3	9.4	9.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°
0°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
2.5°	1076.0	1098.6	1098.6	1083.5	1091.1	1083.5	1081.6	1094.9	1102.4	1126.9	1142.0
5°	832.5	860.8	862.7	855.2	864.6	858.9	864.6	881.6	894.8	911.8	926.9
7.5°	594.6	621.1	626.7	621.1	638.1	636.2	640.0	658.7	670.1	679.6	681.5
10°	419.1	422.8	437.9	434.2	445.5	443.7	449.3	464.3	479.4	485.2	488.9
12.5°	315.2	311.4	317.1	309.6	315.2	315.2	317.1	326.5	345.5	353.0	371.9
15°	254.8	251.1	251.1	247.3	247.3	245.3	247.3	254.8	268.1	279.5	294.5
17.5°	217.1	217.1	217.1	215.2	213.3	213.3	215.2	219.0	226.6	234.1	241.6
20°	194.4	198.2	200.1	202.0	203.8	205.7	207.7	213.3	211.4	203.8	194.4
22.5°	169.9	169.9	171.8	171.8	169.9	169.9	169.9	169.9	169.9	175.6	181.2
25°	141.6	141.6	141.6	143.5	141.6	141.6	143.5	143.5	145.3	149.1	154.8
27.5°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	130.3	132.1	137.8	141.6
30°	118.9	118.9	117.0	117.0	117.0	115.2	117.0	117.0	118.9	126.5	132.1
32.5°	109.5	107.5	107.5	107.5	105.7	105.7	105.7	109.5	111.4	115.2	120.8
35°	96.3	96.3	96.3	98.2	98.2	98.2	98.2	102.0	102.0	103.8	103.8
37.5°	86.9	86.9	88.8	90.5	90.5	92.4	92.4	94.4	96.3	94.4	92.4
40°	79.3	81.2	81.2	84.9	84.9	84.9	86.9	88.8	90.5	86.9	86.9
42.5°	75.5	75.5	75.5	77.4	77.4	77.4	79.3	81.2	83.0	83.0	83.0
45°	71.8	71.8	71.8	73.6	71.8	71.8	71.8	73.6	77.4	77.4	79.3
47.5°	69.9	69.9	69.9	67.9	67.9	67.9	67.9	69.9	71.8	75.5	77.4
50°	67.9	66.0	66.0	66.0	66.0	66.0	66.0	67.9	69.9	71.8	75.5
52.5°	64.2	64.2	64.2	64.2	64.2	64.2	64.2	66.0	67.9	69.9	71.8
55°	64.2	64.2	62.3	62.3	64.2	64.2	64.2	66.0	67.9	69.9	69.9
57.5°	62.3	60.4	60.4	62.3	62.3	62.3	62.3	64.2	66.0	67.9	67.9
60°	58.5	58.5	58.5	58.5	60.4	60.4	62.3	64.2	64.2	66.0	66.0
62.5°	54.8	56.6	56.6	56.6	58.5	58.5	60.4	62.3	64.2	66.0	64.2
65°	52.9	54.8	54.8	54.8	56.6	56.6	56.6	60.4	62.3	62.3	64.2
67.5°	50.9	50.9	50.9	52.9	52.9	54.8	54.8	58.5	58.5	60.4	62.3
70°	47.3	47.3	47.3	49.0	49.0	50.9	52.9	54.8	54.8	56.6	58.5
72.5°	43.4	43.4	43.4	45.4	45.4	47.3	49.0	52.9	50.9	52.9	52.9
75°	37.8	37.8	39.6	39.6	41.5	43.4	45.4	45.4	45.4	45.4	45.4
77.5°	32.1	32.1	34.0	34.0	35.8	37.8	37.8	37.8	39.6	37.8	37.8
80°	26.4	26.4	28.3	28.3	28.3	28.3	30.3	28.3	30.3	28.3	30.3
82.5°	18.9	18.9	20.8	18.9	20.8	18.9	18.9	17.0	20.8	18.9	18.9
85°	7.5	9.4	9.4	9.4	9.4	7.5	7.5	5.7	7.5	7.5	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°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
2.5°	1147.8	1145.9	1174.2	1194.9	1208.1	1259.2	1281.7	1310.1	1323.2	1342.2	1361.0
5°	928.8	925.0	958.9	985.4	1008.1	1081.6	1125.0	1164.7	1196.8	1227.1	1270.5
7.5°	664.5	656.9	679.6	702.3	732.4	811.7	887.3	940.1	987.2	1038.2	1094.9
10°	490.8	496.4	519.1	553.1	592.7	653.2	713.5	751.3	792.8	849.4	917.3
12.5°	392.6	415.3	434.2	475.7	522.9	590.8	655.0	685.2	715.4	743.8	779.5
15°	315.2	328.5	343.5	383.1	439.8	519.1	594.6	628.6	664.5	698.4	730.5
17.5°	243.5	249.2	256.7	285.0	336.1	430.4	513.4	556.9	598.5	645.6	689.0
20°	194.4	194.4	196.3	209.6	245.3	319.0	420.9	475.7	528.6	589.0	651.2
22.5°	169.9	168.1	169.9	175.6	192.6	236.0	328.5	392.6	460.7	536.1	613.5
25°	160.4	158.6	156.7	160.4	169.9	190.7	256.7	324.6	394.5	485.2	579.6
27.5°	145.3	147.2	149.1	152.9	160.4	171.8	213.3	264.3	341.6	441.8	555.1
30°	135.9	137.8	139.7	143.5	156.7	169.9	194.4	226.6	292.6	390.8	517.2
32.5°	124.5	126.5	128.4	130.3	134.0	149.1	166.2	192.6	249.2	345.5	477.6
35°	102.0	102.0	103.8	109.5	117.0	132.1	149.1	169.9	222.8	315.2	453.0
37.5°	94.4	94.4	96.3	102.0	109.5	122.7	137.8	156.7	211.4	304.0	430.4
40°	88.8	90.5	90.5	96.3	103.8	118.9	128.4	151.1	205.7	286.9	407.7
42.5°	84.9	84.9	86.9	92.4	102.0	113.3	126.5	147.2	190.7	271.8	394.5
45°	81.2	83.0	83.0	88.8	100.0	109.5	128.4	139.7	181.2	260.5	383.1
47.5°	79.3	79.3	81.2	86.9	98.2	111.4	124.5	132.1	171.8	251.1	373.8
50°	75.5	77.4	79.3	84.9	96.3	122.7	118.9	126.5	164.2	243.5	368.0
52.5°	73.6	75.5	77.4	83.0	96.3	124.5	115.2	118.9	158.6	236.0	364.4
55°	71.8	71.8	73.6	81.2	96.3	115.2	107.5	115.2	147.2	224.7	354.9
57.5°	67.9	69.9	71.8	77.4	94.4	105.7	102.0	109.5	135.9	205.7	341.6
60°	67.9	67.9	69.9	75.5	94.4	94.4	96.3	103.8	122.7	183.2	319.0
62.5°	66.0	66.0	67.9	75.5	96.3	84.9	90.5	98.2	113.3	164.2	290.7
65°	64.2	64.2	66.0	71.8	83.0	81.2	86.9	92.4	109.5	151.1	266.2
67.5°	60.4	60.4	62.3	67.9	73.6	75.5	83.0	88.8	107.5	149.1	243.5
70°	56.6	56.6	56.6	62.3	66.0	71.8	77.4	84.9	107.5	147.2	226.6
72.5°	52.9	50.9	52.9	56.6	60.4	64.2	69.9	79.3	105.7	149.1	219.0
75°	45.4	45.4	45.4	49.0	52.9	56.6	62.3	73.6	100.0	139.7	196.3
77.5°	37.8	37.8	35.8	41.5	45.4	47.3	52.9	64.2	86.9	118.9	158.6
80°	28.3	26.4	26.4	32.1	34.0	37.8	41.5	49.0	67.9	86.9	117.0
82.5°	17.0	15.1	15.1	20.8	22.6	24.5	32.1	35.8	45.4	56.6	79.3
85°	5.7	5.7	5.7	9.4	11.3	13.3	18.9	20.8	28.3	35.8	41.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	5.7	9.4	11.3	9.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	250°	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	
0°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	0°
2.5°	1383.7	1402.5	1427.0	1449.8	1466.8	1481.8	1500.7	1500.7	1523.3	1530.9	1546.1	2.5°
5°	1304.4	1340.3	1393.1	1436.5	1489.4	1540.3	1587.6	1614.0	1659.3	1689.5	1719.6	5°
7.5°	1143.9	1192.9	1259.2	1319.5	1397.0	1480.0	1557.3	1629.1	1704.6	1768.9	1815.9	7.5°
10°	976.0	1043.9	1113.8	1191.2	1274.2	1362.9	1457.3	1553.6	1644.2	1734.8	1812.2	10°
12.5°	838.2	915.6	994.9	1091.1	1187.4	1281.7	1393.1	1476.2	1570.6	1661.1	1736.7	12.5°
15°	779.5	847.6	940.1	1045.8	1147.8	1244.1	1347.9	1432.8	1521.5	1595.1	1648.0	15°
17.5°	755.0	841.9	947.6	1059.0	1168.4	1285.6	1378.0	1449.8	1515.8	1549.8	1557.3	17.5°
20°	728.6	847.6	989.1	1125.0	1259.2	1381.9	1449.8	1496.9	1508.3	1506.4	1478.1	20°
22.5°	713.5	866.4	1042.0	1232.7	1400.6	1544.2	1591.3	1581.8	1534.8	1474.3	1427.0	22.5°
25°	709.8	909.8	1132.7	1385.5	1591.3	1734.8	1761.3	1708.4	1602.7	1485.7	1406.4	25°
27.5°	713.5	958.9	1245.9	1549.8	1791.4	1938.6	1929.2	1850.0	1699.0	1534.8	1408.3	27.5°
30°	696.5	1010.0	1359.1	1693.2	1933.1	2055.7	2018.0	1899.1	1731.0	1566.8	1432.8	30°
32.5°	668.2	1047.6	1459.2	1808.4	2080.3	2172.7	2104.8	1976.5	1802.8	1634.7	1496.9	32.5°
35°	636.2	1064.7	1530.9	1916.1	2238.8	2287.9	2178.4	2048.1	1889.6	1719.6	1570.6	35°
37.5°	602.1	1066.6	1598.9	2029.3	2391.6	2412.5	2253.8	2114.3	1959.5	1806.5	1670.6	37.5°
40°	583.3	1059.0	1668.7	2169.0	2555.9	2527.7	2333.2	2169.0	2016.1	1899.1	1787.6	40°
42.5°	575.7	1045.8	1719.6	2274.7	2697.5	2635.3	2406.8	2223.8	2086.0	1987.8	1910.3	42.5°
45°	575.7	1032.6	1766.9	2354.0	2803.3	2722.0	2476.6	2276.6	2153.9	2093.5	2055.7	45°
47.5°	577.6	1038.2	1823.5	2482.4	2893.8	2805.1	2531.4	2354.0	2248.3	2225.6	2238.8	47.5°
50°	587.1	1102.4	1919.8	2623.9	3007.1	2893.8	2605.1	2440.9	2376.6	2399.2	2474.8	50°
52.5°	602.1	1204.4	2086.0	2791.9	3182.7	3035.5	2727.7	2565.4	2535.2	2616.3	2759.9	52.5°
55°	617.2	1308.2	2303.1	3073.2	3465.8	3292.2	2944.8	2782.5	2746.6	2871.3	3077.0	55°
57.5°	630.5	1385.5	2514.4	3352.6	3711.2	3579.0	3231.7	3035.5	3020.3	3154.4	3379.0	57.5°
60°	643.7	1446.0	2637.2	3477.2	3822.6	3809.4	3528.1	3346.8	3324.3	3448.9	3662.1	60°
62.5°	636.2	1423.4	2671.1	3414.9	3813.1	3922.7	3769.7	3641.4	3563.9	3667.8	3875.5	62.5°
65°	607.8	1304.4	2563.5	3199.7	3675.3	3854.6	3867.9	3837.6	3698.1	3705.6	3852.8	65°
67.5°	530.4	1096.7	2233.2	2859.8	3405.5	3618.7	3841.5	3832.0	3654.6	3497.9	3528.1	67.5°
70°	439.8	860.8	1821.7	2435.1	3022.2	3205.3	3560.3	3631.9	3379.0	3086.4	2948.6	70°
72.5°	370.0	643.7	1400.6	1885.8	2421.9	2635.3	3161.9	3261.9	2916.4	2504.9	2291.7	72.5°
75°	307.7	454.9	985.4	1298.7	1670.6	1951.8	2759.9	2769.3	2367.1	1970.7	1740.5	75°
77.5°	228.3	309.6	713.5	908.0	1147.8	1389.4	2231.3	2255.8	1878.3	1495.0	1296.8	77.5°
80°	152.9	190.7	454.9	634.2	772.0	930.6	1636.6	1532.8	1240.2	1036.4	985.4	80°
82.5°	92.4	111.4	262.3	443.7	487.0	579.6	1028.8	960.8	817.4	747.5	766.4	82.5°
85°	50.9	69.9	160.4	290.7	226.6	317.1	562.5	549.3	515.4	451.2	392.6	85°
87.5°	13.3	15.1	35.8	13.3	5.7	17.0	109.5	71.8	71.8	41.5	15.1	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°	0°	355°
1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	0°	1319.5
1532.8	1538.4	1536.6	1523.3	1489.4	1476.2	1470.5	1455.4	1438.5	1438.5	1423.4	2.5°	1419.5
1717.8	1727.2	1715.9	1683.9	1597.0	1555.4	1530.9	1500.7	1476.2	1453.5	1430.9	5°	1398.8
1848.0	1855.6	1836.8	1763.1	1608.3	1538.4	1500.7	1464.9	1434.6	1395.0	1359.1	7.5°	1327.1
1872.6	1889.6	1868.8	1763.1	1583.8	1496.9	1455.4	1415.8	1372.4	1330.7	1279.8	10°	1240.2
1802.8	1838.7	1823.5	1746.1	1572.4	1480.0	1430.9	1383.7	1330.7	1287.5	1228.9	12.5°	1191.2
1695.1	1699.0	1708.4	1706.5	1551.7	1461.0	1412.0	1362.9	1315.7	1274.2	1223.2	15°	1176.0
1576.3	1572.4	1583.8	1619.6	1546.1	1474.3	1442.2	1395.0	1361.0	1313.8	1274.2	17.5°	1221.3
1468.5	1463.0	1474.3	1510.2	1523.3	1506.4	1493.2	1464.9	1438.5	1408.3	1376.1	20°	1325.2
1400.6	1381.9	1379.9	1432.8	1534.8	1580.0	1589.4	1585.7	1583.8	1561.2	1538.4	22.5°	1480.0
1362.9	1342.2	1351.6	1412.0	1581.8	1666.9	1710.2	1725.4	1746.1	1746.1	1746.1	25°	1689.5
1351.6	1329.0	1342.2	1410.1	1631.0	1772.5	1834.9	1872.6	1912.2	1929.2	1940.6	27.5°	1904.7
1359.1	1336.5	1342.2	1423.4	1655.6	1797.1	1870.7	1925.4	1987.8	2029.3	2057.6	30°	2029.3
1402.5	1362.9	1359.1	1463.0	1700.9	1851.9	1929.2	1991.5	2061.4	2108.5	2159.5	32.5°	2155.8
1461.0	1404.4	1397.0	1527.2	1759.3	1921.7	1999.1	2053.9	2125.6	2189.8	2263.4	35°	2289.8
1559.3	1489.4	1478.1	1634.7	1838.7	1980.2	2057.6	2129.3	2206.8	2289.8	2384.2	37.5°	2446.4
1691.4	1621.5	1621.5	1772.5	1946.2	2061.4	2146.3	2221.8	2306.8	2418.1	2533.3	40°	2633.3
1840.4	1795.3	1802.8	1938.6	2069.0	2163.3	2244.4	2325.6	2414.4	2525.8	2659.8	42.5°	2788.1
2038.7	2014.2	2051.9	2148.2	2193.5	2257.7	2329.5	2401.2	2497.5	2612.6	2765.5	45°	2901.3
2270.9	2291.7	2344.6	2374.7	2320.1	2354.0	2410.6	2476.6	2589.9	2707.0	2858.0	47.5°	3005.2
2561.6	2616.3	2667.3	2659.8	2476.6	2465.4	2518.2	2569.2	2682.4	2816.5	2976.9	50°	3135.4
2895.8	2967.6	3003.3	2961.8	2652.2	2586.1	2629.6	2699.4	2824.0	2976.9	3156.3	52.5°	3311.1
3235.5	3322.3	3311.1	3263.8	2842.9	2754.1	2780.6	2863.7	3016.6	3190.2	3416.7	55°	3569.7
3543.3	3611.2	3641.4	3539.4	3075.1	2958.0	2988.2	3075.1	3237.4	3431.9	3664.1	57.5°	3815.0
3786.7	3860.4	3860.4	3760.3	3328.0	3192.0	3243.2	3328.0	3467.6	3660.2	3877.4	60°	4007.6
3964.2	4022.7	4001.9	3905.7	3545.1	3441.2	3480.9	3597.9	3724.5	3867.9	4039.7	62.5°	4105.7
3950.9	3956.7	3933.9	3898.1	3675.3	3664.1	3739.6	3830.1	3935.8	3990.6	4086.9	65°	4111.5
3579.0	3580.9	3626.3	3611.2	3577.2	3716.8	3815.0	3890.6	3983.1	3983.1	3971.8	67.5°	3983.1
2933.4	2963.7	3041.1	3018.5	3192.0	3479.0	3592.3	3707.5	3788.6	3788.6	3692.3	70°	3637.6
2233.2	2252.1	2344.6	2323.7	2559.7	2874.9	3124.1	3316.7	3396.0	3445.1	3322.3	72.5°	3056.2
1625.3	1623.5	1663.0	1632.8	1931.2	2282.2	2539.0	2778.6	2908.9	2950.4	2727.7	75°	2240.7
1251.6	1217.6	1209.9	1213.8	1368.6	1659.3	1863.2	2016.1	2033.0	2038.7	1738.6	77.5°	1357.2
1010.0	1010.0	998.6	957.1	838.2	970.3	1074.1	1194.9	1238.3	1300.7	1042.0	80°	764.5
806.0	774.0	717.4	636.2	537.9	573.8	623.0	668.2	741.9	768.3	634.2	82.5°	434.2
402.1	390.8	341.6	283.1	236.0	313.4	349.2	353.0	353.0	326.5	266.2	85°	177.4
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°
1319.5	1319.5
1397.0	1400.6
1366.7	1355.4
1272.3	1255.3
1170.4	1157.2
1111.8	1094.9
1100.5	1081.6
1140.2	1117.5
1228.9	1202.5
1370.5	1338.4
1564.8	1532.8
1755.6	1714.1
1891.5	1850.0
2023.6	1974.6
2155.8	2106.6
2333.2	2289.8
2529.4	2467.3
2692.0	2633.3
2820.2	2759.9
2942.9	2882.5
3082.6	3041.1
3292.2	3256.3
3611.2	3560.3
3845.3	3822.6
3966.1	3937.7
4003.8	3956.7
3954.8	3883.0
3799.9	3716.8
3426.1	3316.7
2731.5	2657.8
1842.4	1798.9
1059.0	1002.4
607.8	589.0
341.6	360.6
88.8	98.2
0.0	0.0
0.0	0.0

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