

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: P228629

Luminaire Tested: **ISS-AF-1200-LED-E1-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228629
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-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: 4858 lumens
Efficiency: N/A
Efficacy: 73.6 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

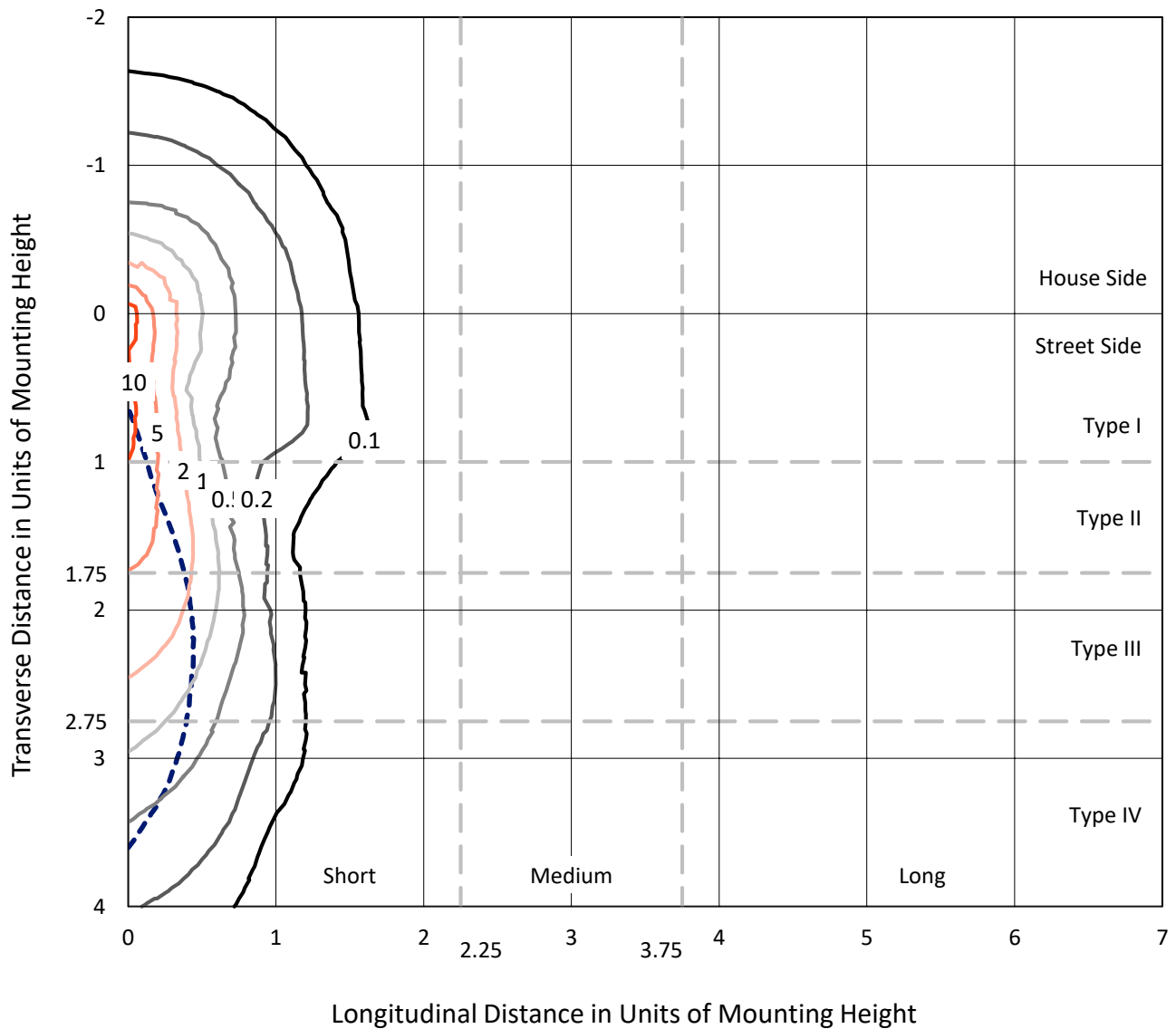
Input Watts (W): 66
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

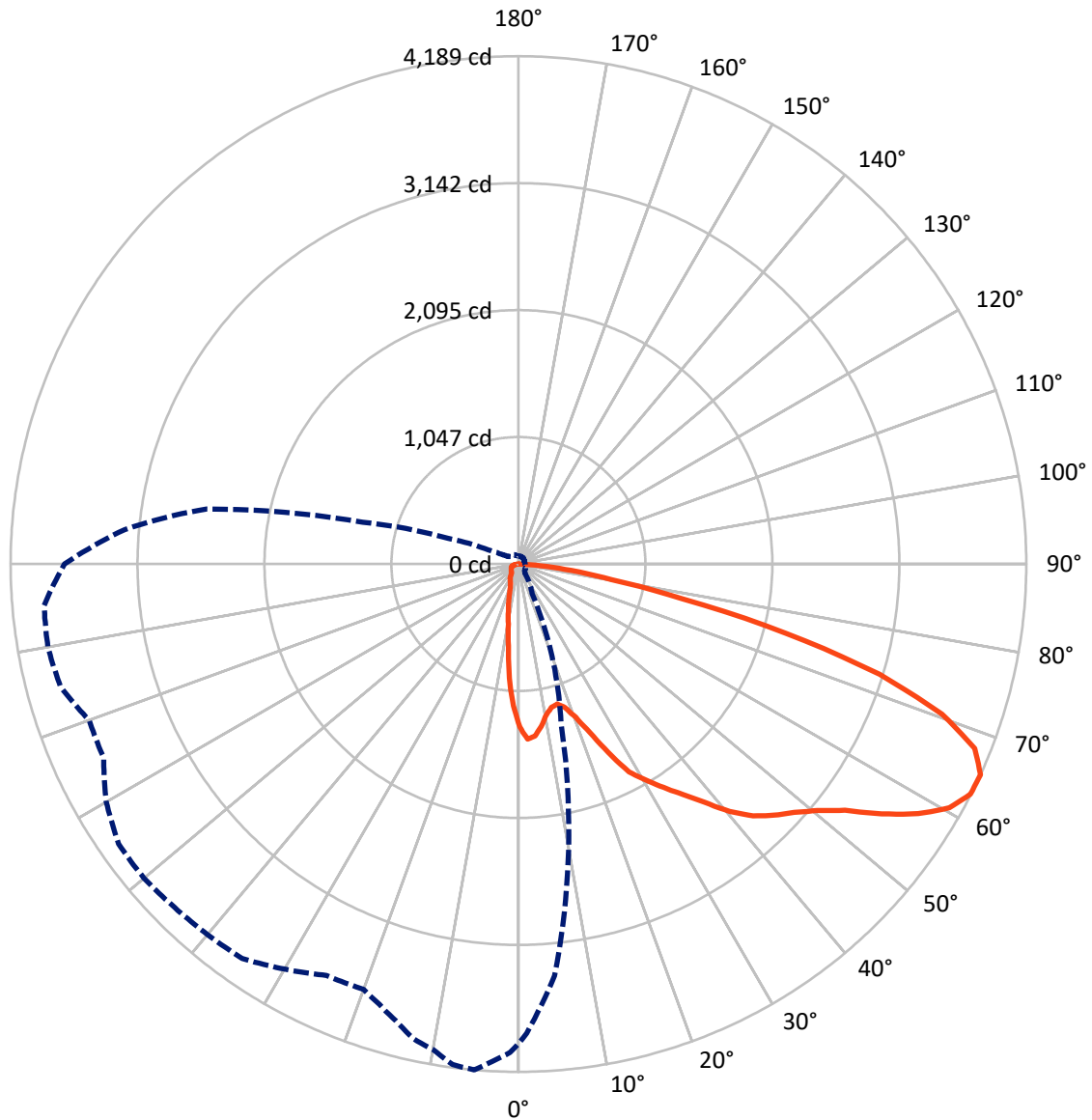
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 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	807.8	0.0	807.8
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	4050.2	0.0	4050.2
	% Fixture	83.4	0.0	83.4
Total	Lumens	4858.0	0.0	4858.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	2.1
10°-20°	212.7	4.4
20°-30°	309.2	6.4
30°-40°	457.3	9.4
40°-50°	666.4	13.7
50°-60°	998.9	20.6
60°-70°	1244.8	25.6
70°-80°	729.2	15.0
80°-90°	136.3	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°	4858.0	100.0
0°-180°	4858.0	100.0

Coefficient of Utilization



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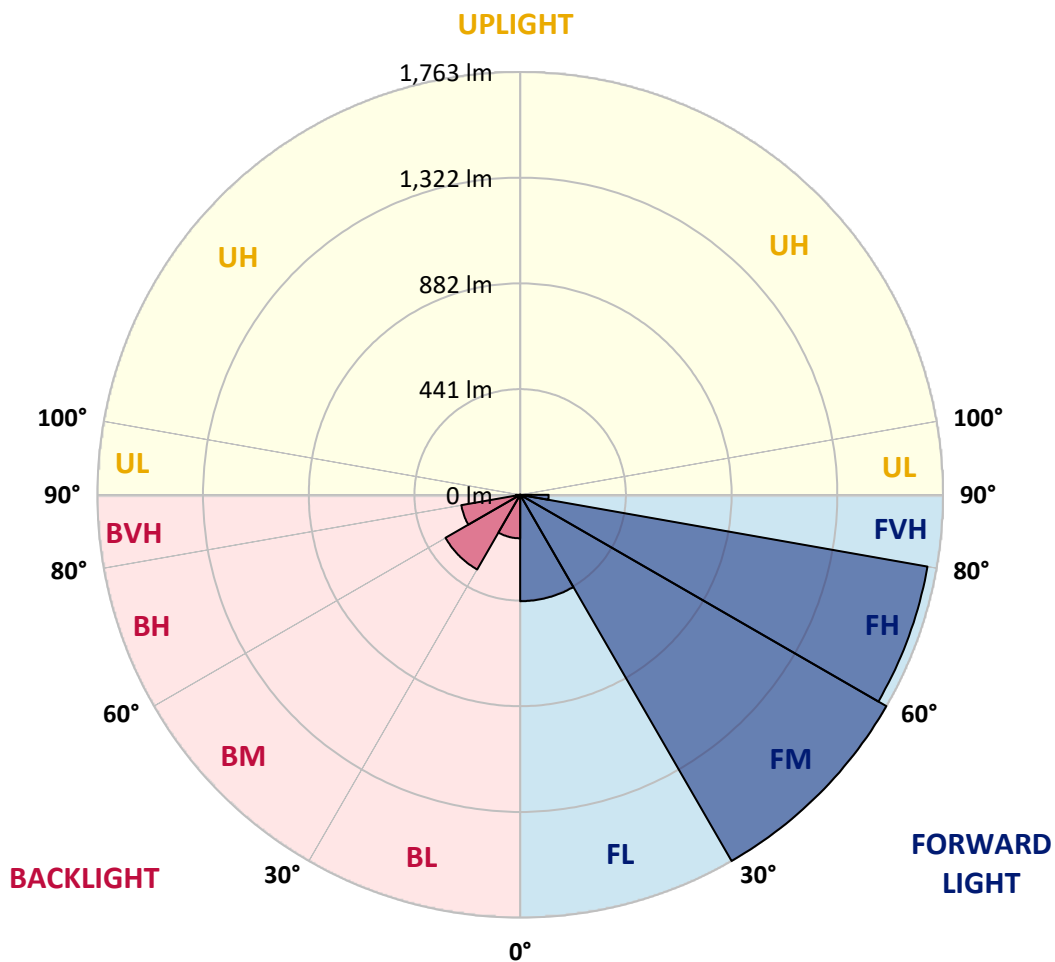
CATALOG NUMBER: ISS-AF-1200-LED-E1-SLR-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	443.8	9.1			
FM (30°-60°)	1763.1	36.3			
FH (60°-80°)	1724.6	35.5			G1/1800
FVH (80°-90°)	118.8	2.4			G2/225
BL (0°-30°)	181.4	3.7	B1/500		
BM (30°-60°)	359.5	7.4	B1/1000		
BH (60°-80°)	249.3	5.1	B1/500		G1/500
BVH (80°-90°)	17.6	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°	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4
2.5°	1427.1	1415.6	1392.5	1346.3	1298.2	1252.1	1244.4	1227.1	1229.0	1219.4	1215.5
5°	1380.9	1365.6	1317.5	1221.3	1138.6	1054.0	1048.2	1013.6	1017.4	996.3	984.7
7.5°	1279.0	1257.9	1204.0	1071.3	955.9	844.3	832.8	792.4	786.6	765.5	748.2
10°	1179.0	1157.8	1090.5	938.6	805.9	723.2	709.7	690.5	675.1	665.5	648.2
12.5°	1115.5	1104.0	1023.2	848.2	744.3	677.0	659.7	640.5	625.1	607.8	590.5
15°	1102.1	1079.0	996.3	819.3	698.2	615.5	594.3	573.1	555.8	538.5	513.5
17.5°	1138.6	1115.5	1023.2	805.9	646.2	546.2	519.3	490.4	473.1	452.0	425.1
20°	1225.2	1188.6	1075.1	786.6	590.5	465.4	432.7	398.1	378.9	342.4	323.1
22.5°	1363.6	1317.5	1163.6	786.6	538.5	380.8	344.3	313.5	292.3	259.6	238.5
25°	1561.7	1521.3	1307.9	807.8	492.4	309.7	273.1	242.3	221.2	198.1	184.6
27.5°	1746.4	1682.9	1461.7	838.6	455.8	259.6	223.1	198.1	182.7	171.2	163.5
30°	1884.9	1832.9	1596.4	859.7	402.0	217.3	194.3	178.9	171.2	165.4	161.6
32.5°	2011.8	1952.2	1692.5	873.2	369.3	184.6	163.5	151.9	144.2	136.6	134.6
35°	2146.4	2088.7	1806.0	871.3	348.1	169.3	148.1	134.6	126.9	125.0	121.2
37.5°	2333.0	2254.1	1936.8	871.3	340.4	163.5	138.5	125.0	119.2	115.4	113.5
40°	2513.8	2425.3	2081.0	877.0	332.7	159.6	138.5	125.0	115.4	111.6	107.7
42.5°	2683.0	2584.9	2211.8	886.7	328.9	148.1	130.8	123.1	119.2	111.6	105.8
45°	2811.9	2735.0	2313.8	905.9	328.9	140.4	123.1	117.3	115.4	115.4	113.5
47.5°	2936.9	2850.4	2431.1	942.4	334.7	134.6	117.3	109.6	109.6	109.6	111.6
50°	3098.5	2996.5	2592.6	1017.4	334.7	132.7	111.6	103.9	101.9	105.8	105.8
52.5°	3317.7	3244.6	2829.2	1125.1	330.8	130.8	109.6	98.1	96.2	98.1	101.9
55°	3627.4	3544.7	3115.8	1257.9	327.0	126.9	105.8	96.2	92.3	90.4	92.3
57.5°	3894.7	3823.6	3379.3	1363.6	317.3	117.3	101.9	94.2	88.5	86.5	84.6
60°	4012.0	3952.4	3548.5	1434.8	300.0	107.7	96.2	90.4	84.6	82.7	80.8
62.5°	4031.3	3956.3	3550.4	1450.2	280.8	98.1	90.4	84.6	80.8	78.9	76.9
65°	3956.3	3871.6	3410.0	1355.9	265.4	98.1	86.5	80.8	75.0	73.1	71.2
67.5°	3787.0	3656.2	3054.2	1150.1	252.0	100.0	84.6	75.0	71.2	69.2	67.3
70°	3379.3	3233.1	2579.2	913.6	246.2	101.9	84.6	71.2	65.4	63.5	63.5
72.5°	2708.0	2540.7	2011.8	688.5	236.6	103.9	82.7	67.3	61.5	57.7	57.7
75°	1832.9	1686.8	1363.6	465.4	196.2	90.4	75.0	61.5	53.9	50.0	48.1
77.5°	1021.3	973.2	867.4	246.2	125.0	67.3	57.7	50.0	44.2	42.3	40.4
80°	600.1	575.1	511.6	136.6	76.9	38.5	34.6	32.7	28.8	28.8	28.8
82.5°	367.4	342.4	317.3	61.5	36.5	19.2	19.2	15.4	15.4	13.5	13.5
85°	100.0	92.3	128.9	13.5	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°	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4
2.5°	1200.2	1196.3	1196.3	1167.5	1167.5	1152.1	1148.2	1148.2	1154.0	1150.1	1127.1
5°	965.5	954.0	946.3	911.7	902.0	884.7	877.0	875.1	880.9	871.3	840.5
7.5°	727.0	717.4	705.9	678.9	667.4	665.5	642.4	636.6	632.8	625.1	605.8
10°	634.7	621.2	611.6	592.4	578.9	569.3	550.1	540.5	532.8	521.2	515.4
12.5°	571.2	557.8	544.3	519.3	502.0	490.4	478.9	459.7	452.0	438.5	430.8
15°	492.4	477.0	461.6	434.7	411.6	400.1	377.0	365.4	357.7	342.4	334.7
17.5°	396.2	375.0	357.7	332.7	321.2	302.0	288.5	269.3	253.9	248.1	242.3
20°	298.1	278.9	263.5	242.3	230.8	215.4	207.7	194.3	186.6	182.7	178.9
22.5°	219.3	203.9	194.3	182.7	176.9	171.2	167.3	163.5	159.6	157.7	157.7
25°	173.1	167.3	163.5	159.6	157.7	155.8	151.9	150.0	148.1	146.2	146.2
27.5°	157.7	153.9	151.9	150.0	148.1	144.2	144.2	140.4	138.5	138.5	136.6
30°	159.6	159.6	159.6	155.8	153.9	150.0	148.1	142.3	138.5	134.6	132.7
32.5°	130.8	130.8	128.9	125.0	123.1	121.2	121.2	117.3	115.4	115.4	119.2
35°	119.2	117.3	115.4	111.6	109.6	105.8	103.9	101.9	100.0	98.1	98.1
37.5°	113.5	111.6	109.6	105.8	103.9	101.9	100.0	96.2	94.2	94.2	92.3
40°	107.7	107.7	107.7	103.9	101.9	98.1	96.2	94.2	92.3	90.4	90.4
42.5°	103.9	103.9	103.9	101.9	100.0	98.1	94.2	92.3	90.4	88.5	86.5
45°	105.8	103.9	103.9	101.9	100.0	96.2	94.2	90.4	88.5	86.5	84.6
47.5°	113.5	111.6	107.7	103.9	100.0	96.2	92.3	88.5	86.5	84.6	82.7
50°	107.7	115.4	117.3	111.6	101.9	96.2	92.3	88.5	84.6	82.7	80.8
52.5°	105.8	107.7	115.4	115.4	105.8	98.1	92.3	88.5	84.6	80.8	78.9
55°	96.2	101.9	103.9	105.8	103.9	96.2	90.4	84.6	82.7	78.9	75.0
57.5°	84.6	88.5	90.4	94.2	96.2	94.2	86.5	80.8	78.9	75.0	71.2
60°	78.9	78.9	78.9	80.8	90.4	98.1	90.4	78.9	73.1	71.2	67.3
62.5°	73.1	73.1	71.2	73.1	75.0	84.6	82.7	75.0	71.2	69.2	65.4
65°	71.2	69.2	67.3	67.3	67.3	67.3	67.3	67.3	65.4	65.4	63.5
67.5°	65.4	63.5	63.5	61.5	61.5	61.5	61.5	61.5	59.6	59.6	57.7
70°	61.5	59.6	57.7	57.7	57.7	55.8	55.8	55.8	53.9	53.9	53.9
72.5°	55.8	53.9	53.9	53.9	51.9	51.9	51.9	50.0	50.0	48.1	48.1
75°	48.1	48.1	46.2	46.2	46.2	44.2	44.2	44.2	44.2	42.3	42.3
77.5°	40.4	38.5	40.4	38.5	38.5	38.5	38.5	38.5	36.5	36.5	34.6
80°	26.9	26.9	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	26.9
82.5°	15.4	13.5	15.4	15.4	15.4	17.3	17.3	19.2	17.3	17.3	15.4
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°	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4
2.5°	1138.6	1136.7	1117.4	1121.3	1115.5	1104.0	1105.9	1107.8	1111.7	1104.0	1100.1
5°	855.9	857.8	832.8	840.5	834.7	832.8	838.6	848.2	854.0	852.0	846.3
7.5°	607.8	609.7	588.5	586.6	580.8	578.9	586.6	596.2	602.0	600.1	602.0
10°	502.0	496.2	477.0	463.5	450.1	438.5	436.6	436.6	436.6	432.7	428.9
12.5°	415.4	409.7	386.6	375.0	363.5	348.1	346.2	344.3	338.5	332.7	325.0
15°	323.1	317.3	298.1	290.4	280.8	275.0	273.1	273.1	269.3	265.4	261.6
17.5°	234.6	230.8	219.3	211.6	209.6	211.6	213.5	217.3	219.3	221.2	221.2
20°	176.9	175.0	171.2	171.2	173.1	178.9	180.8	186.6	188.5	192.3	196.2
22.5°	155.8	155.8	153.9	153.9	157.7	163.5	167.3	169.3	171.2	173.1	173.1
25°	144.2	144.2	142.3	146.2	151.9	151.9	151.9	151.9	148.1	146.2	146.2
27.5°	136.6	136.6	136.6	138.5	136.6	134.6	134.6	134.6	132.7	132.7	130.8
30°	130.8	130.8	130.8	128.9	128.9	126.9	126.9	125.0	125.0	123.1	123.1
32.5°	121.2	117.3	121.2	117.3	117.3	115.4	117.3	117.3	113.5	113.5	113.5
35°	96.2	94.2	94.2	94.2	92.3	94.2	98.1	98.1	98.1	98.1	98.1
37.5°	90.4	90.4	88.5	86.5	86.5	84.6	86.5	84.6	84.6	84.6	86.5
40°	88.5	86.5	84.6	84.6	82.7	80.8	80.8	80.8	80.8	80.8	80.8
42.5°	84.6	84.6	80.8	78.9	78.9	76.9	76.9	76.9	76.9	76.9	76.9
45°	82.7	80.8	78.9	76.9	75.0	75.0	75.0	75.0	75.0	75.0	73.1
47.5°	80.8	78.9	76.9	75.0	73.1	71.2	71.2	71.2	71.2	71.2	71.2
50°	78.9	76.9	73.1	73.1	71.2	69.2	69.2	69.2	69.2	69.2	69.2
52.5°	75.0	75.0	71.2	69.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
55°	71.2	71.2	67.3	65.4	63.5	63.5	63.5	63.5	65.4	65.4	65.4
57.5°	69.2	67.3	63.5	63.5	59.6	59.6	59.6	61.5	61.5	63.5	63.5
60°	65.4	63.5	61.5	59.6	59.6	57.7	57.7	57.7	57.7	59.6	59.6
62.5°	63.5	61.5	57.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
65°	59.6	59.6	55.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
67.5°	55.8	55.8	51.9	50.0	50.0	50.0	51.9	50.0	50.0	50.0	50.0
70°	51.9	50.0	48.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
72.5°	46.2	46.2	44.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	44.2
75°	40.4	38.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
77.5°	34.6	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	32.7
80°	25.0	23.1	23.1	23.1	23.1	25.0	25.0	25.0	25.0	25.0	25.0
82.5°	15.4	13.5	13.5	13.5	15.4	17.3	17.3	17.3	17.3	19.2	19.2
85°	3.8	3.8	3.8	3.8	7.7	9.6	9.6	9.6	11.5	9.6	9.6
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°	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4
2.5°	1096.3	1119.4	1119.4	1104.0	1111.7	1104.0	1102.1	1115.5	1123.2	1148.2	1163.6
5°	848.2	877.0	879.0	871.3	880.9	875.1	880.9	898.2	911.7	929.0	944.4
7.5°	605.8	632.8	638.5	632.8	650.1	648.2	652.0	671.2	682.8	692.4	694.3
10°	427.0	430.8	446.2	442.4	453.9	452.0	457.8	473.1	488.5	494.3	498.1
12.5°	321.2	317.3	323.1	315.4	321.2	321.2	323.1	332.7	352.0	359.7	378.9
15°	259.6	255.8	255.8	252.0	252.0	250.0	252.0	259.6	273.1	284.7	300.0
17.5°	221.2	221.2	221.2	219.3	217.3	217.3	219.3	223.1	230.8	238.5	246.2
20°	198.1	201.9	203.9	205.8	207.7	209.6	211.6	217.3	215.4	207.7	198.1
22.5°	173.1	173.1	175.0	175.0	173.1	173.1	173.1	173.1	173.1	178.9	184.6
25°	144.2	144.2	144.2	146.2	144.2	144.2	146.2	146.2	148.1	151.9	157.7
27.5°	130.8	130.8	130.8	130.8	130.8	130.8	130.8	132.7	134.6	140.4	144.2
30°	121.2	121.2	119.2	119.2	119.2	117.3	119.2	119.2	121.2	128.9	134.6
32.5°	111.6	109.6	109.6	109.6	107.7	107.7	107.7	111.6	113.5	117.3	123.1
35°	98.1	98.1	98.1	100.0	100.0	100.0	100.0	103.9	103.9	105.8	105.8
37.5°	88.5	88.5	90.4	92.3	92.3	94.2	94.2	96.2	98.1	96.2	94.2
40°	80.8	82.7	82.7	86.5	86.5	86.5	88.5	90.4	92.3	88.5	88.5
42.5°	76.9	76.9	76.9	78.9	78.9	78.9	80.8	82.7	84.6	84.6	84.6
45°	73.1	73.1	73.1	75.0	73.1	73.1	73.1	75.0	78.9	78.9	80.8
47.5°	71.2	71.2	71.2	69.2	69.2	69.2	69.2	71.2	73.1	76.9	78.9
50°	69.2	67.3	67.3	67.3	67.3	67.3	67.3	69.2	71.2	73.1	76.9
52.5°	65.4	65.4	65.4	65.4	65.4	65.4	65.4	67.3	69.2	71.2	73.1
55°	65.4	65.4	63.5	63.5	65.4	65.4	65.4	67.3	69.2	71.2	71.2
57.5°	63.5	61.5	61.5	63.5	63.5	63.5	63.5	65.4	67.3	69.2	69.2
60°	59.6	59.6	59.6	59.6	61.5	61.5	63.5	65.4	65.4	67.3	67.3
62.5°	55.8	57.7	57.7	57.7	59.6	59.6	61.5	63.5	65.4	67.3	65.4
65°	53.9	55.8	55.8	55.8	57.7	57.7	57.7	61.5	63.5	63.5	65.4
67.5°	51.9	51.9	51.9	53.9	53.9	55.8	55.8	59.6	59.6	61.5	63.5
70°	48.1	48.1	48.1	50.0	50.0	51.9	53.9	55.8	55.8	57.7	59.6
72.5°	44.2	44.2	44.2	46.2	46.2	48.1	50.0	53.9	51.9	53.9	53.9
75°	38.5	38.5	40.4	40.4	42.3	44.2	46.2	46.2	46.2	46.2	46.2
77.5°	32.7	32.7	34.6	34.6	36.5	38.5	38.5	38.5	40.4	38.5	38.5
80°	26.9	26.9	28.8	28.8	28.8	28.8	30.8	28.8	30.8	28.8	30.8
82.5°	19.2	19.2	21.2	19.2	21.2	19.2	19.2	17.3	21.2	19.2	19.2
85°	7.7	9.6	9.6	9.6	9.6	7.7	7.7	5.8	7.7	7.7	5.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	175°	180°	185°	195°	205°	215°	225°	230°	235°	240°	245°
0°	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4
2.5°	1169.4	1167.5	1196.3	1217.5	1230.9	1282.9	1305.9	1334.8	1348.2	1367.5	1386.7
5°	946.3	942.4	977.0	1004.0	1027.1	1102.1	1146.3	1186.7	1219.4	1250.2	1294.4
7.5°	677.0	669.3	692.4	715.5	746.2	827.0	904.0	957.8	1005.9	1057.8	1115.5
10°	500.1	505.8	528.9	563.5	603.9	665.5	727.0	765.5	807.8	865.5	934.7
12.5°	400.1	423.1	442.4	484.7	532.8	602.0	667.4	698.2	728.9	757.8	794.3
15°	321.2	334.7	350.0	390.4	448.1	528.9	605.8	640.5	677.0	711.6	744.3
17.5°	248.1	253.9	261.6	290.4	342.4	438.5	523.1	567.4	609.7	657.8	702.0
20°	198.1	198.1	200.0	213.5	250.0	325.0	428.9	484.7	538.5	600.1	663.5
22.5°	173.1	171.2	173.1	178.9	196.2	240.4	334.7	400.1	469.3	546.2	625.1
25°	163.5	161.6	159.6	163.5	173.1	194.3	261.6	330.8	402.0	494.3	590.5
27.5°	148.1	150.0	151.9	155.8	163.5	175.0	217.3	269.3	348.1	450.1	565.5
30°	138.5	140.4	142.3	146.2	159.6	173.1	198.1	230.8	298.1	398.1	527.0
32.5°	126.9	128.9	130.8	132.7	136.6	151.9	169.3	196.2	253.9	352.0	486.6
35°	103.9	103.9	105.8	111.6	119.2	134.6	151.9	173.1	227.0	321.2	461.6
37.5°	96.2	96.2	98.1	103.9	111.6	125.0	140.4	159.6	215.4	309.7	438.5
40°	90.4	92.3	92.3	98.1	105.8	121.2	130.8	153.9	209.6	292.3	415.4
42.5°	86.5	86.5	88.5	94.2	103.9	115.4	128.9	150.0	194.3	277.0	402.0
45°	82.7	84.6	84.6	90.4	101.9	111.6	130.8	142.3	184.6	265.4	390.4
47.5°	80.8	80.8	82.7	88.5	100.0	113.5	126.9	134.6	175.0	255.8	380.8
50°	76.9	78.9	80.8	86.5	98.1	125.0	121.2	128.9	167.3	248.1	375.0
52.5°	75.0	76.9	78.9	84.6	98.1	126.9	117.3	121.2	161.6	240.4	371.2
55°	73.1	73.1	75.0	82.7	98.1	117.3	109.6	117.3	150.0	228.9	361.6
57.5°	69.2	71.2	73.1	78.9	96.2	107.7	103.9	111.6	138.5	209.6	348.1
60°	69.2	69.2	71.2	76.9	96.2	96.2	98.1	105.8	125.0	186.6	325.0
62.5°	67.3	67.3	69.2	76.9	98.1	86.5	92.3	100.0	115.4	167.3	296.2
65°	65.4	65.4	67.3	73.1	84.6	82.7	88.5	94.2	111.6	153.9	271.2
67.5°	61.5	61.5	63.5	69.2	75.0	76.9	84.6	90.4	109.6	151.9	248.1
70°	57.7	57.7	57.7	63.5	67.3	73.1	78.9	86.5	109.6	150.0	230.8
72.5°	53.9	51.9	53.9	57.7	61.5	65.4	71.2	80.8	107.7	151.9	223.1
75°	46.2	46.2	46.2	50.0	53.9	57.7	63.5	75.0	101.9	142.3	200.0
77.5°	38.5	38.5	36.5	42.3	46.2	48.1	53.9	65.4	88.5	121.2	161.6
80°	28.8	26.9	26.9	32.7	34.6	38.5	42.3	50.0	69.2	88.5	119.2
82.5°	17.3	15.4	15.4	21.2	23.1	25.0	32.7	36.5	46.2	57.7	80.8
85°	5.8	5.8	5.8	9.6	11.5	13.5	19.2	21.2	28.8	36.5	42.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	5.8	9.6	11.5	9.6
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°	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	0°
2.5°	1409.8	1429.0	1454.0	1477.1	1494.4	1509.8	1529.0	1529.0	1552.1	1559.8	1575.2	2.5°
5°	1329.0	1365.6	1419.4	1463.6	1517.5	1569.4	1617.5	1644.4	1690.6	1721.4	1752.1	5°
7.5°	1165.5	1215.5	1282.9	1344.4	1423.3	1507.9	1586.7	1659.8	1736.8	1802.2	1850.2	7.5°
10°	994.4	1063.6	1134.8	1213.6	1298.2	1388.6	1484.8	1582.9	1675.2	1767.5	1846.4	10°
12.5°	854.0	932.8	1013.6	1111.7	1209.8	1305.9	1419.4	1504.0	1600.2	1692.5	1769.5	12.5°
15°	794.3	863.6	957.8	1065.5	1169.4	1267.5	1373.3	1459.8	1550.2	1625.2	1679.1	15°
17.5°	769.3	857.8	965.5	1079.0	1190.5	1309.8	1404.0	1477.1	1544.4	1579.0	1586.7	17.5°
20°	742.4	863.6	1007.8	1146.3	1282.9	1407.9	1477.1	1525.2	1536.7	1534.8	1506.0	20°
22.5°	727.0	882.8	1061.7	1255.9	1427.1	1573.3	1621.4	1611.7	1563.7	1502.1	1454.0	22.5°
25°	723.2	927.0	1154.0	1411.7	1621.4	1767.5	1794.5	1740.6	1632.9	1513.7	1432.9	25°
27.5°	727.0	977.0	1269.4	1579.0	1825.2	1975.2	1965.6	1884.9	1731.0	1563.7	1434.8	27.5°
30°	709.7	1029.0	1384.8	1725.2	1969.5	2094.5	2056.0	1934.9	1763.7	1596.4	1459.8	30°
32.5°	680.9	1067.4	1486.7	1842.5	2119.5	2213.7	2144.5	2013.7	1836.8	1665.6	1525.2	32.5°
35°	648.2	1084.8	1559.8	1952.2	2281.1	2331.1	2219.5	2086.8	1925.2	1752.1	1600.2	35°
37.5°	613.5	1086.7	1629.1	2067.6	2436.8	2458.0	2296.4	2154.1	1996.4	1840.6	1702.1	37.5°
40°	594.3	1079.0	1700.2	2209.9	2604.2	2575.3	2377.2	2209.9	2054.1	1934.9	1821.4	40°
42.5°	586.6	1065.5	1752.1	2317.6	2748.4	2685.0	2452.2	2265.7	2125.3	2025.3	1946.4	42.5°
45°	586.6	1052.1	1800.2	2398.4	2856.1	2773.4	2523.4	2319.5	2194.5	2133.0	2094.5	45°
47.5°	588.5	1057.8	1857.9	2529.2	2948.4	2858.1	2579.2	2398.4	2290.7	2267.6	2281.1	47.5°
50°	598.2	1123.2	1956.0	2673.4	3063.8	2948.4	2654.2	2486.9	2421.5	2444.5	2521.5	50°
52.5°	613.5	1227.1	2125.3	2844.6	3242.7	3092.7	2779.2	2613.8	2583.0	2665.7	2811.9	52.5°
55°	628.9	1332.9	2346.5	3131.2	3531.2	3354.3	3000.4	2835.0	2798.4	2925.4	3135.0	55°
57.5°	642.4	1411.7	2561.9	3415.8	3781.2	3646.6	3292.7	3092.7	3077.3	3213.9	3442.7	57.5°
60°	655.9	1473.3	2686.9	3542.8	3894.7	3881.3	3594.7	3410.0	3387.0	3513.9	3731.2	60°
62.5°	648.2	1450.2	2721.5	3479.3	3885.1	3996.7	3840.9	3710.1	3631.2	3737.0	3948.6	62.5°
65°	619.3	1329.0	2611.9	3260.0	3744.7	3927.4	3940.9	3910.1	3767.8	3775.5	3925.5	65°
67.5°	540.5	1117.4	2275.3	2913.8	3469.7	3687.0	3914.0	3904.3	3723.5	3563.9	3594.7	67.5°
70°	448.1	877.0	1856.0	2481.1	3079.2	3265.8	3627.4	3700.5	3442.7	3144.6	3004.2	70°
72.5°	377.0	655.9	1427.1	1921.4	2467.6	2685.0	3221.6	3323.5	2971.5	2552.2	2334.9	72.5°
75°	313.5	463.5	1004.0	1323.2	1702.1	1988.7	2811.9	2821.5	2411.8	2007.9	1773.3	75°
77.5°	232.7	315.4	727.0	925.1	1169.4	1415.6	2273.4	2298.4	1913.7	1523.3	1321.3	77.5°
80°	155.8	194.3	463.5	646.2	786.6	948.2	1667.5	1561.7	1263.6	1055.9	1004.0	80°
82.5°	94.2	113.5	267.3	452.0	496.2	590.5	1048.2	979.0	832.8	761.6	780.9	82.5°
85°	51.9	71.2	163.5	296.2	230.8	323.1	573.1	559.7	525.1	459.7	400.1	85°
87.5°	13.5	15.4	36.5	13.5	5.8	17.3	111.6	73.1	73.1	42.3	15.4	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°	0°	355°
1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	1344.4	0°	1344.4
1561.7	1567.5	1565.6	1552.1	1517.5	1504.0	1498.3	1482.9	1465.6	1465.6	1450.2	2.5°	1446.3
1750.2	1759.8	1748.3	1715.6	1627.1	1584.8	1559.8	1529.0	1504.0	1481.0	1457.9	5°	1425.2
1882.9	1890.6	1871.4	1796.4	1638.7	1567.5	1529.0	1492.5	1461.7	1421.3	1384.8	7.5°	1352.1
1907.9	1925.2	1904.1	1796.4	1613.7	1525.2	1482.9	1442.5	1398.3	1355.9	1304.0	10°	1263.6
1836.8	1873.3	1857.9	1779.1	1602.1	1507.9	1457.9	1409.8	1355.9	1311.7	1252.1	12.5°	1213.6
1727.1	1731.0	1740.6	1738.7	1581.0	1488.6	1438.6	1388.6	1340.6	1298.2	1246.3	15°	1198.2
1606.0	1602.1	1613.7	1650.2	1575.2	1502.1	1469.4	1421.3	1386.7	1338.6	1298.2	17.5°	1244.4
1496.3	1490.6	1502.1	1538.7	1552.1	1534.8	1521.3	1492.5	1465.6	1434.8	1402.1	20°	1350.2
1427.1	1407.9	1405.9	1459.8	1563.7	1609.8	1619.4	1615.6	1613.7	1590.6	1567.5	22.5°	1507.9
1388.6	1367.5	1377.1	1438.6	1611.7	1698.3	1742.5	1757.9	1779.1	1779.1	1779.1	25°	1721.4
1377.1	1354.0	1367.5	1436.7	1661.7	1806.0	1869.5	1907.9	1948.3	1965.6	1977.2	27.5°	1940.6
1384.8	1361.7	1367.5	1450.2	1686.8	1831.0	1906.0	1961.8	2025.3	2067.6	2096.4	30°	2067.6
1429.0	1388.6	1384.8	1490.6	1732.9	1886.8	1965.6	2029.1	2100.3	2148.3	2200.3	32.5°	2196.4
1488.6	1430.9	1423.3	1556.0	1792.5	1957.9	2036.8	2092.6	2165.7	2231.1	2306.1	35°	2333.0
1588.7	1517.5	1506.0	1665.6	1873.3	2017.6	2096.4	2169.5	2248.4	2333.0	2429.2	37.5°	2492.6
1723.3	1652.1	1652.1	1806.0	1982.9	2100.3	2186.8	2263.7	2350.3	2463.8	2581.1	40°	2683.0
1875.2	1829.1	1836.8	1975.2	2108.0	2204.1	2286.8	2369.5	2459.9	2573.4	2710.0	42.5°	2840.7
2077.2	2052.2	2090.6	2188.7	2234.9	2300.3	2373.4	2446.5	2544.6	2661.9	2817.7	45°	2956.1
2313.8	2334.9	2388.8	2419.5	2363.8	2398.4	2456.1	2523.4	2638.8	2758.0	2911.9	47.5°	3061.9
2609.9	2665.7	2717.7	2710.0	2523.4	2511.9	2565.7	2617.6	2733.0	2869.6	3033.1	50°	3194.6
2950.4	3023.5	3060.0	3017.7	2702.3	2634.9	2679.2	2750.3	2877.3	3033.1	3215.8	52.5°	3373.5
3296.6	3385.0	3373.5	3325.4	2896.5	2806.1	2833.1	2917.7	3073.5	3250.4	3481.2	55°	3637.0
3610.1	3679.3	3710.1	3606.2	3133.1	3013.8	3044.6	3133.1	3298.5	3496.6	3733.2	57.5°	3887.0
3858.2	3933.2	3933.2	3831.3	3390.8	3252.3	3304.3	3390.8	3533.1	3729.3	3950.5	60°	4083.2
4039.0	4098.6	4077.4	3979.3	3612.0	3506.2	3546.6	3665.8	3794.7	3940.9	4115.9	62.5°	4183.2
4025.5	4031.3	4008.2	3971.7	3744.7	3733.2	3810.1	3902.4	4010.1	4065.9	4164.0	65°	4189.0
3646.6	3648.5	3694.7	3679.3	3644.7	3787.0	3887.0	3964.0	4058.2	4058.2	4046.7	67.5°	4058.2
2988.8	3019.6	3098.5	3075.4	3252.3	3544.7	3660.1	3777.4	3860.1	3860.1	3762.0	70°	3706.2
2275.3	2294.5	2388.8	2367.6	2608.0	2929.2	3183.1	3379.3	3460.1	3510.1	3385.0	72.5°	3113.9
1656.0	1654.1	1694.4	1663.7	1967.6	2325.3	2586.9	2831.1	2963.8	3006.1	2779.2	75°	2283.0
1275.2	1240.5	1232.8	1236.7	1394.4	1690.6	1898.3	2054.1	2071.4	2077.2	1771.4	77.5°	1382.9
1029.0	1029.0	1017.4	975.1	854.0	988.6	1094.4	1217.5	1261.7	1325.2	1061.7	80°	778.9
821.3	788.6	730.9	648.2	548.1	584.7	634.7	680.9	755.9	782.8	646.2	82.5°	442.4
409.7	398.1	348.1	288.5	240.4	319.3	355.8	359.7	359.7	332.7	271.2	85°	180.8
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°
1344.4	1344.4
1423.3	1427.1
1392.5	1380.9
1296.3	1279.0
1192.5	1179.0
1132.8	1115.5
1121.3	1102.1
1161.7	1138.6
1252.1	1225.2
1396.3	1363.6
1594.4	1561.7
1788.7	1746.4
1927.2	1884.9
2061.8	2011.8
2196.4	2146.4
2377.2	2333.0
2577.2	2513.8
2742.7	2683.0
2873.4	2811.9
2998.5	2936.9
3140.8	3098.5
3354.3	3317.7
3679.3	3627.4
3917.8	3894.7
4040.9	4012.0
4079.4	4031.3
4029.4	3956.3
3871.6	3787.0
3490.8	3379.3
2783.0	2708.0
1877.2	1832.9
1079.0	1021.3
619.3	600.1
348.1	367.4
90.4	100.0
0.0	0.0
0.0	0.0

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