Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: STREETWORKS

Report Number: P560563

Luminaire Tested: **SDL-PA1-50-740-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560563
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-50-740-U-T2U
Description:	Springdale
	(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6509.3 lumens
Efficiency:	N/A
Efficacy:	124.2 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G2

Input Watts (W):	52.4
Input Voltage (V):	NR
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:	24 FT

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Scaled Data Report

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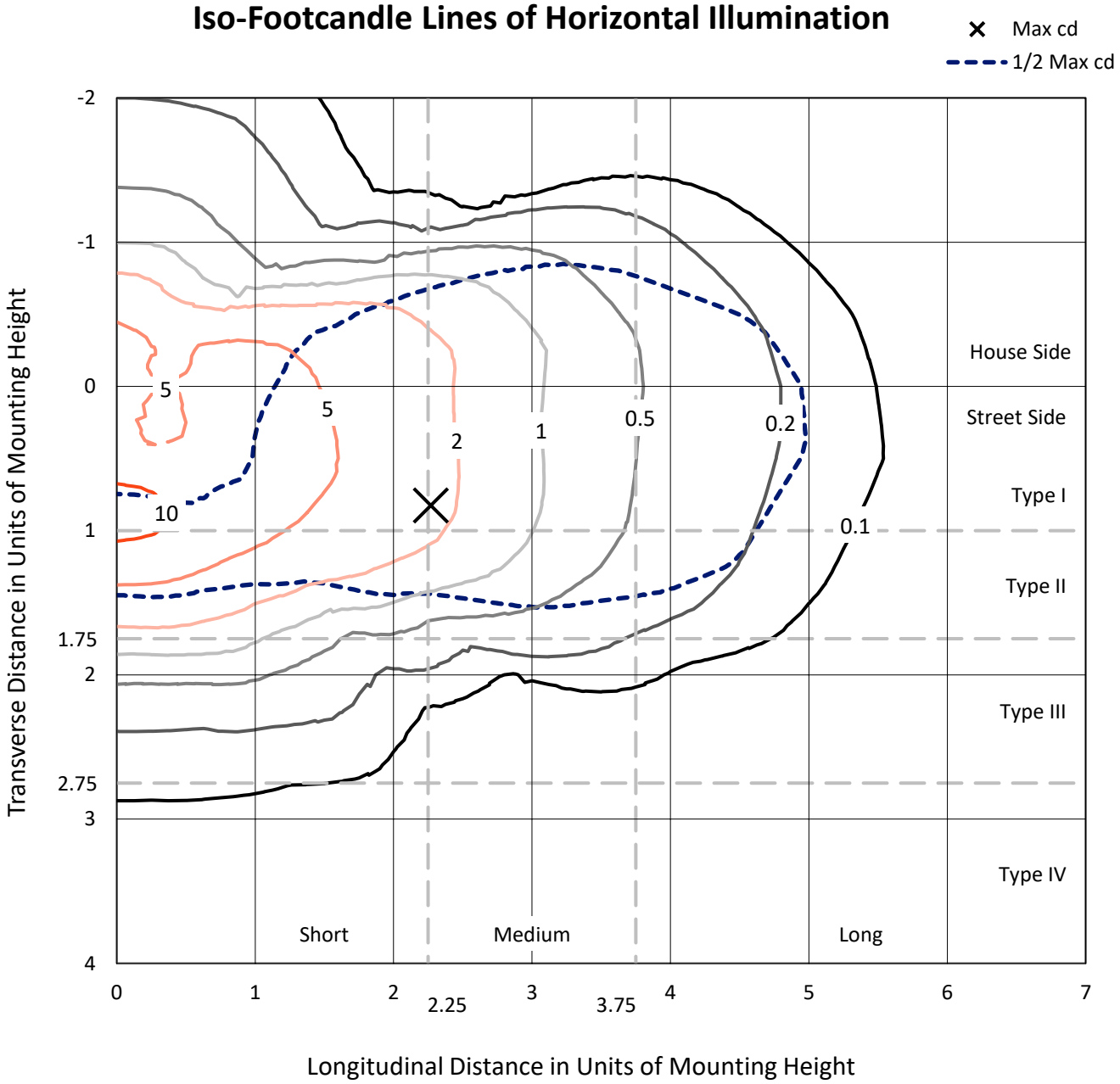
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
Type II - Medium - N/A

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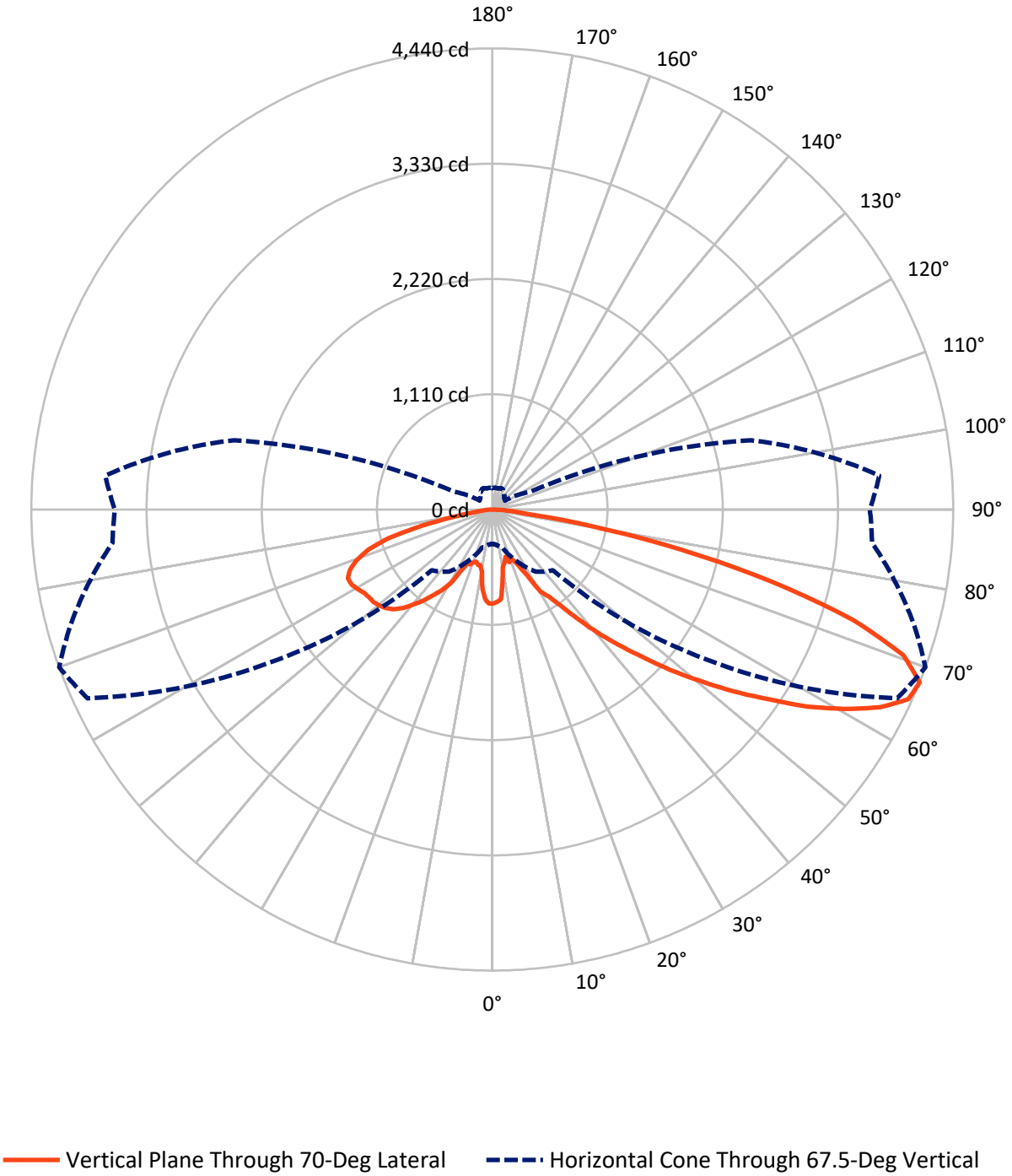
Luminous Intensity Polar Plot



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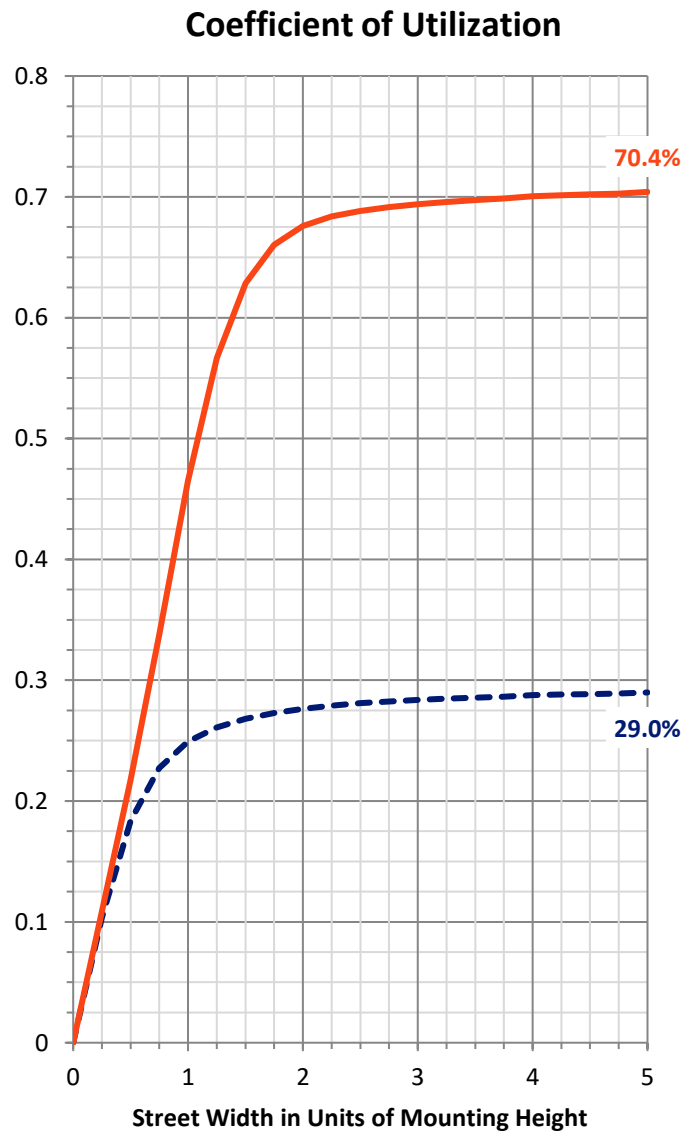
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1908.9	0.0	1908.9
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	4600.4	0.0	4600.4
	% Fixture	70.7	0.0	70.7
Total	Lumens	6509.3	0.0	6509.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	1.1
10°-20°	170.4	2.6
20°-30°	302.8	4.7
30°-40°	640.1	9.8
40°-50°	1171.8	18.0
50°-60°	1598.5	24.6
60°-70°	1507.0	23.2
70°-80°	912.1	14.0
80°-90°	134.0	2.1
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°	6509.3	100.0
0°-180°	6509.3	100.0



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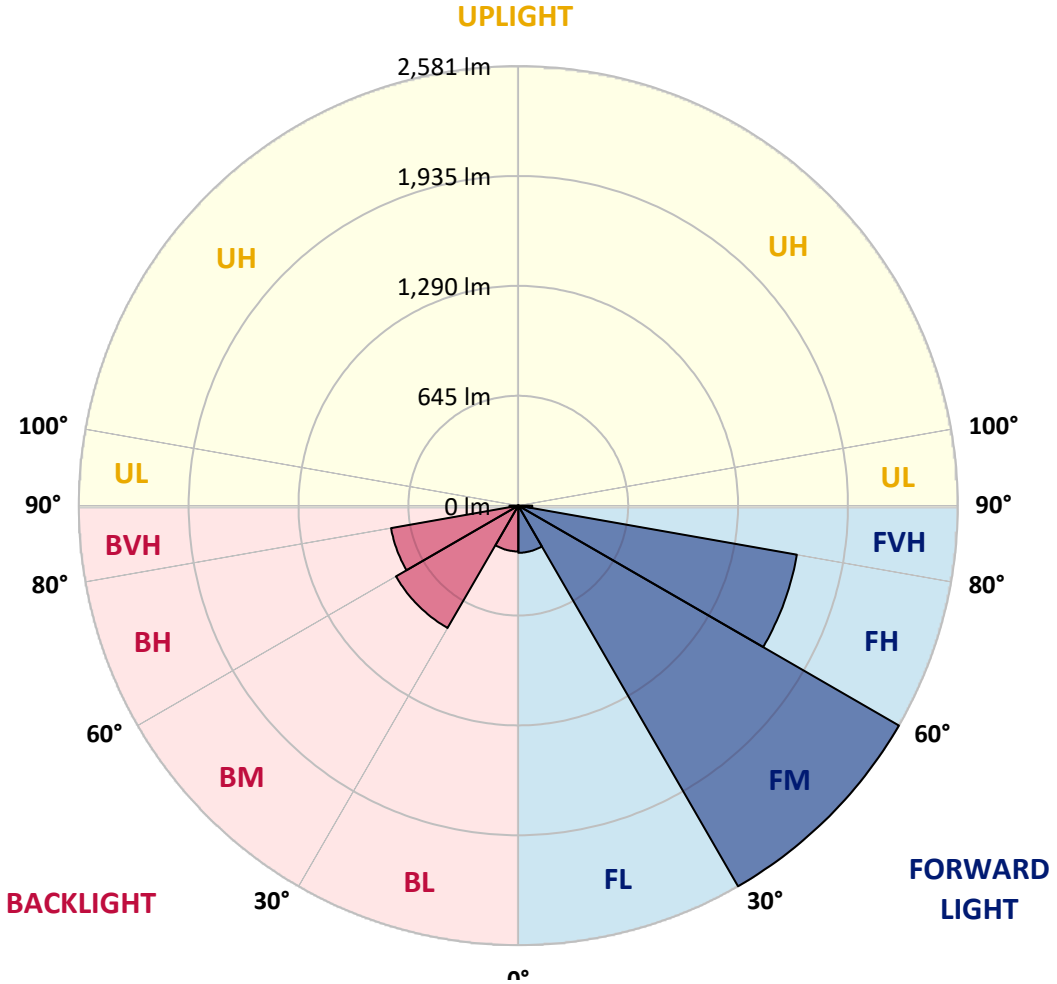
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	277.0	4.3			
FM	(30°-60°)	2580.5	39.6			
FH	(60°-80°)	1660.7	25.5			G1/1800
FVH	(80°-90°)	82.2	1.3			G1/100
BL	(0°-30°)	268.9	4.1	B1/500		
BM	(30°-60°)	829.8	12.7	B1/1000		
BH	(60°-80°)	758.4	11.7	B2/1000		G2/1000
BVH	(80°-90°)	51.8	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	906.3	906.3	906.3	906.3	906.3	906.3	906.3	906.3	906.3	906.3	906.3
2.5°	761.1	768.2	815.0	861.8	864.2	864.2	866.5	868.9	875.9	880.6	885.3
5°	709.6	714.3	714.3	714.3	716.6	719.0	721.3	721.3	726.0	728.3	733.0
7.5°	594.9	641.7	658.1	672.1	681.5	688.5	693.2	697.9	702.6	707.3	711.9
10°	676.8	676.8	679.2	679.2	679.2	676.8	630.0	580.8	604.2	627.6	592.5
12.5°	557.4	566.7	608.9	648.7	660.4	669.8	646.4	620.6	578.5	536.3	531.6
15°	662.8	662.8	662.8	660.4	618.3	573.8	529.3	482.4	510.5	538.6	496.5
17.5°	573.8	573.8	608.9	641.7	639.3	634.7	594.9	552.7	487.1	419.2	473.1
20°	723.7	721.3	709.6	695.6	608.9	522.3	541.0	559.7	564.4	566.7	550.4
22.5°	646.4	648.7	662.8	676.8	679.2	681.5	580.8	477.8	536.3	594.9	538.6
25°	899.3	894.6	873.5	850.1	754.1	655.7	674.5	693.2	597.2	498.8	559.7
27.5°	854.8	840.8	831.4	822.0	838.4	854.8	765.8	674.5	695.6	716.6	639.3
30°	1222.5	1222.5	1199.1	1173.3	1028.1	880.6	857.2	833.7	777.5	719.0	733.0
32.5°	1548.0	1548.0	1461.4	1372.4	1285.7	1199.1	1084.3	969.6	946.1	920.4	897.0
35°	1948.5	1936.8	1887.6	1836.1	1648.7	1461.4	1313.8	1166.3	1119.4	1072.6	1049.2
37.5°	2323.2	2297.4	2229.5	2159.3	1962.5	1763.5	1569.1	1374.7	1323.2	1271.7	1220.2
40°	2632.3	2618.3	2571.5	2522.3	2299.8	2077.3	1857.2	1634.7	1566.8	1498.8	1423.9
42.5°	2915.7	2904.0	2861.9	2817.4	2597.2	2374.7	2166.3	1955.5	1854.8	1754.1	1665.1
45°	3124.1	3105.4	3077.3	3046.9	2871.2	2693.2	2482.5	2269.3	2229.5	2189.7	2016.4
47.5°	3189.7	3156.9	3152.3	3147.6	3007.1	2866.5	2697.9	2529.3	2536.3	2543.3	2341.9
50°	3093.7	3044.5	3065.6	3086.7	3030.5	2971.9	2840.8	2709.6	2768.2	2824.4	2665.1
52.5°	2744.8	2733.0	2786.9	2838.4	2852.5	2866.5	2838.4	2808.0	2915.7	3023.4	2964.9
55°	2264.7	2316.2	2391.1	2466.1	2524.6	2580.8	2662.8	2744.8	2929.8	3114.8	3156.9
57.5°	1784.6	1838.4	1925.1	2011.7	2079.6	2147.6	2316.2	2484.8	2763.5	3042.2	3231.9
60°	1201.4	1257.6	1400.5	1541.0	1637.0	1733.0	1885.3	2037.5	2388.8	2740.1	3124.1
62.5°	800.9	782.2	901.6	1018.7	1173.3	1327.9	1395.8	1461.4	1829.1	2194.4	2815.0
65°	491.8	494.1	541.0	585.5	756.4	925.1	978.9	1030.5	1238.9	1447.3	2292.8
67.5°	*330.2*	*337.2*	*358.3*	*379.4*	*461.4*	*543.3*	*637.0*	*730.7*	*779.9*	*826.7*	*1672.1*
70°	292.7	295.1	304.5	313.8	337.2	360.7	447.3	534.0	505.9	475.4	948.5
72.5°	257.6	260.0	276.3	290.4	302.1	313.8	365.3	416.9	384.1	351.3	473.1
75°	210.8	217.8	234.2	248.2	271.7	292.7	304.5	316.2	299.8	281.0	304.5
77.5°	173.3	178.0	189.7	201.4	224.8	245.9	257.6	269.3	243.6	217.8	231.9
80°	135.8	138.2	147.5	156.9	175.6	192.0	206.1	217.8	194.4	168.6	175.6
82.5°	82.0	84.3	98.4	110.1	126.5	140.5	149.9	156.9	163.9	168.6	147.5
85°	44.5	44.5	53.9	63.2	65.6	67.9	77.3	84.3	105.4	124.1	107.7
87.5°	7.0	7.0	9.4	9.4	14.1	16.4	18.7	18.7	21.1	21.1	23.4
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	906.3	906.3	906.3	*906.3*	906.3	906.3	906.3	906.3	906.3	906.3	906.3
2.5°	887.6	889.9	889.9	*889.9*	892.3	894.6	897.0	897.0	899.3	901.6	904.0
5°	737.7	798.6	857.2	*866.5*	873.5	878.2	882.9	885.3	889.9	894.6	897.0
7.5°	716.6	716.6	716.6	*700.2*	761.1	768.2	775.2	779.9	784.6	779.9	772.8
10°	555.0	555.0	552.7	*557.4*	583.1	627.6	669.8	674.5	679.2	641.7	601.9
12.5°	524.6	531.6	538.6	*526.9*	480.1	519.9	559.7	566.7	569.1	536.3	501.2
15°	452.0	454.3	456.7	*473.1*	569.1	608.9	648.7	655.7	662.8	627.6	590.2
17.5°	524.6	508.2	489.5	*534.0*	496.5	522.3	545.7	489.5	541.0	531.6	522.3
20°	534.0	477.8	419.2	*498.8*	583.1	623.0	660.4	665.1	667.5	639.3	608.9
22.5°	482.4	536.3	590.2	*536.3*	503.5	498.8	494.1	491.8	494.1	510.5	524.6
25°	620.6	552.7	484.8	*608.9*	686.2	704.9	723.7	714.3	709.6	674.5	639.3
27.5°	562.1	615.9	667.5	*719.0*	742.4	768.2	791.6	798.6	761.1	723.7	686.2
30°	744.7	777.5	808.0	*913.4*	990.6	1014.1	1037.5	1014.1	1000.0	953.2	904.0
32.5°	871.2	936.8	1002.4	*1000.0*	1072.6	1091.3	1107.7	1077.3	1051.5	1000.0	946.1
35°	1025.8	1067.9	1110.1	*1133.5*	1206.1	1213.1	1220.2	1180.3	1142.9	1082.0	1021.1
37.5°	1168.6	1222.5	1274.0	*1332.6*	1395.8	1381.7	1365.4	1316.2	1255.3	1208.4	1161.6
40°	1346.6	1412.2	1477.8	*1552.7*	1590.2	1569.1	1545.7	1470.7	1412.2	1363.0	1313.8
42.5°	1573.8	1644.0	1712.0	*1777.5*	1791.6	1768.2	1742.4	1660.4	1571.4	1522.3	1470.7
45°	1840.8	1897.0	1953.2	*2021.1*	2049.2	2007.0	1962.5	1859.5	1754.1	1683.9	1613.6
47.5°	2138.2	2164.0	2189.7	*2306.8*	2344.3	2274.0	2201.4	2089.0	1941.5	1850.1	1756.5
50°	2505.9	2498.9	2489.5	*2592.5*	2679.2	2562.1	2442.6	2311.5	2166.3	2037.5	1906.3
52.5°	2906.3	2838.4	2768.2	*2906.3*	2948.5	2808.0	2667.5	2527.0	2381.8	2215.5	2046.9
55°	3199.1	3161.6	3124.1	*3222.5*	3217.8	3053.9	2887.6	2721.3	2601.9	2379.4	2156.9
57.5°	3419.2	3452.0	3482.5	*3580.8*	3468.4	3281.1	3093.7	2927.4	2824.4	2545.7	2267.0
60°	3505.9	3674.5	3840.8	*3899.3*	3728.4	3517.6	3304.5	3140.5	3053.9	2716.7	2379.4
62.5°	3435.6	3808.0	4180.4	*4192.1*	3967.2	3730.7	3494.2	3360.7	3316.2	2901.7	2484.8
65°	3138.2	3751.8	4363.0	*4405.2*	4152.3	3904.0	3653.4	3555.1	3583.2	3075.0	2564.4
67.5°	*2515.2*	*3409.9*	*4302.1*	*4440.3*	*4196.8*	*3934.5*	*3672.2*	*3637.0*	*3742.4*	*3159.3*	*2576.1*
70°	1421.6	2620.6	3817.4	*4201.4*	4072.6	3812.7	3550.4	3566.8	3723.7	3112.4	2501.2
72.5°	592.5	1812.7	3032.8	*3634.7*	3747.1	3527.0	3304.5	3365.4	3473.1	2892.3	2309.2
75°	327.9	1156.9	1986.0	*2786.9*	3133.5	3075.0	3014.1	3082.0	3030.5	2468.4	1906.3
77.5°	243.6	625.3	1007.0	*1866.5*	2358.3	2491.8	2623.0	2655.8	2367.7	1803.3	1238.9
80°	182.7	297.4	409.8	*953.2*	1264.6	1503.5	1742.4	1594.9	1393.5	974.2	555.0
82.5°	126.5	171.0	215.5	*306.8*	491.8	566.7	639.3	608.9	456.7	320.8	182.7
85°	89.0	112.4	135.8	*168.6*	210.8	168.6	126.5	103.0	119.4	110.1	100.7
87.5°	23.4	23.4	21.1	*23.4*	16.4	14.1	11.7	9.4	9.4	9.4	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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	906.3	906.3	906.3	906.3	906.3	906.3	906.3	906.3	906.3	906.3	906.3
2.5°	906.3	908.7	908.7	908.7	908.7	906.3	894.6	882.9	854.8	826.7	817.3
5°	866.5	836.1	812.7	789.2	789.2	789.2	793.9	798.6	800.9	803.3	805.6
7.5°	772.8	770.5	779.9	789.2	796.3	803.3	808.0	812.7	803.3	793.9	772.8
10°	604.2	604.2	615.9	625.3	641.7	658.1	704.9	751.8	791.6	831.4	838.4
12.5°	548.0	592.5	566.7	538.6	597.2	655.7	707.3	756.4	796.3	833.7	803.3
15°	550.4	508.2	517.6	526.9	590.2	653.4	606.6	557.4	651.1	742.4	763.5
17.5°	524.6	526.9	569.1	611.2	548.0	482.4	564.4	646.4	681.5	714.3	683.8
20°	538.6	466.0	515.2	564.4	608.9	651.1	608.9	564.4	576.1	587.8	667.5
22.5°	569.1	613.6	571.4	529.3	580.8	630.0	608.9	587.8	625.3	660.4	627.6
25°	566.7	491.8	562.1	632.3	585.5	536.3	562.1	587.8	569.1	548.0	608.9
27.5°	653.4	620.6	601.9	580.8	606.6	632.3	578.5	524.6	524.6	524.6	517.6
30°	817.3	730.7	693.2	653.4	590.2	526.9	508.2	489.5	491.8	494.1	529.3
32.5°	913.4	880.6	768.2	655.7	597.2	538.6	489.5	440.3	445.0	449.7	494.1
35°	997.7	971.9	822.0	669.8	573.8	475.4	433.3	388.8	409.8	428.6	466.0
37.5°	1093.7	1023.4	819.7	613.6	510.5	407.5	381.7	356.0	370.0	381.7	405.2
40°	1180.3	1044.5	798.6	550.4	447.3	341.9	330.2	316.2	327.9	339.6	353.6
42.5°	1274.0	1075.0	768.2	459.0	377.1	295.1	290.4	285.7	297.4	309.1	318.5
45°	1346.6	1079.6	728.3	374.7	320.8	267.0	267.0	264.6	276.3	285.7	290.4
47.5°	1393.5	1028.1	665.1	299.8	276.3	252.9	255.3	255.3	264.6	271.7	274.0
50°	1426.2	943.8	604.2	264.6	252.9	241.2	241.2	241.2	250.6	257.6	262.3
52.5°	1449.7	850.1	548.0	243.6	238.9	231.9	231.9	229.5	241.2	252.9	255.3
55°	1456.7	754.1	491.8	227.2	222.5	217.8	222.5	224.8	238.9	250.6	252.9
57.5°	1473.1	679.2	445.0	210.8	208.4	206.1	213.1	220.1	234.2	248.2	248.2
60°	1505.9	630.0	412.2	194.4	194.4	194.4	206.1	215.5	229.5	243.6	241.2
62.5°	1536.3	585.5	381.7	178.0	180.3	182.7	196.7	210.8	224.8	238.9	236.5
65°	1541.0	515.2	339.6	163.9	168.6	171.0	187.4	203.7	217.8	231.9	227.2
67.5°	*1489.5*	*402.8*	*276.3*	*149.9*	*156.9*	*161.6*	*180.3*	*196.7*	*210.8*	*222.5*	*217.8*
70°	1395.8	288.1	213.1	138.2	145.2	149.9	168.6	185.0	196.7	208.4	203.7
72.5°	1257.6	206.1	166.3	126.5	131.1	135.8	152.2	168.6	182.7	194.4	189.7
75°	1037.5	166.3	140.5	114.8	119.4	121.8	138.2	152.2	166.3	178.0	171.0
77.5°	688.5	135.8	119.4	103.0	105.4	107.7	121.8	133.5	145.2	154.6	149.9
80°	332.6	110.1	100.7	89.0	91.3	91.3	103.0	114.8	124.1	131.1	128.8
82.5°	135.8	86.7	79.6	72.6	72.6	72.6	84.3	93.7	103.0	110.1	105.4
85°	84.3	67.9	63.2	56.2	53.9	51.5	56.2	60.9	65.6	67.9	65.6
87.5°	11.7	11.7	14.1	16.4	14.1	9.4	14.1	18.7	18.7	16.4	14.1
90°	0.0	0.0	7.0	7.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	906.3	906.3	906.3	906.3
2.5°	808.0	808.0	808.0	812.7
5°	805.6	805.6	805.6	810.3
7.5°	751.8	728.3	704.9	707.3
10°	843.1	845.4	845.4	847.8
12.5°	770.5	733.0	695.6	700.2
15°	784.6	784.6	782.2	784.6
17.5°	653.4	641.7	630.0	630.0
20°	747.1	747.1	747.1	747.1
22.5°	594.9	592.5	590.2	592.5
25°	669.8	672.1	672.1	669.8
27.5°	510.5	541.0	569.1	571.4
30°	562.1	562.1	562.1	562.1
32.5°	538.6	562.1	585.5	587.8
35°	501.2	498.8	496.5	503.5
37.5°	426.2	421.5	416.9	416.9
40°	367.7	358.3	348.9	348.9
42.5°	325.5	318.5	309.1	306.8
45°	295.1	288.1	278.7	278.7
47.5°	274.0	269.3	264.6	262.3
50°	264.6	260.0	255.3	255.3
52.5°	257.6	255.3	250.6	250.6
55°	252.9	250.6	245.9	245.9
57.5°	248.2	245.9	241.2	241.2
60°	238.9	236.5	234.2	234.2
62.5°	231.9	229.5	227.2	227.2
65°	222.5	222.5	220.1	217.8
67.5°	*210.8*	*210.8*	*210.8*	*206.1*
70°	196.7	196.7	196.7	192.0
72.5°	182.7	182.7	180.3	173.3
75°	163.9	161.6	159.3	154.6
77.5°	145.2	140.5	135.8	133.5
80°	124.1	119.4	114.8	110.1
82.5°	98.4	96.0	91.3	79.6
85°	60.9	53.9	44.5	39.8
87.5°	11.7	9.4	7.0	2.3
90°	0.0	0.0	0.0	0.0

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