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: P560615

Luminaire Tested: **SDL-PA1-50-760-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560615
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-50-760-U-T4W
Description:	Springdale
	(1) 70 CRI, 5700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6399.5 lumens
Efficiency:	N/A
Efficacy:	122.1 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type IV - Medium
BUG Rating:	B1 - U0 - G3

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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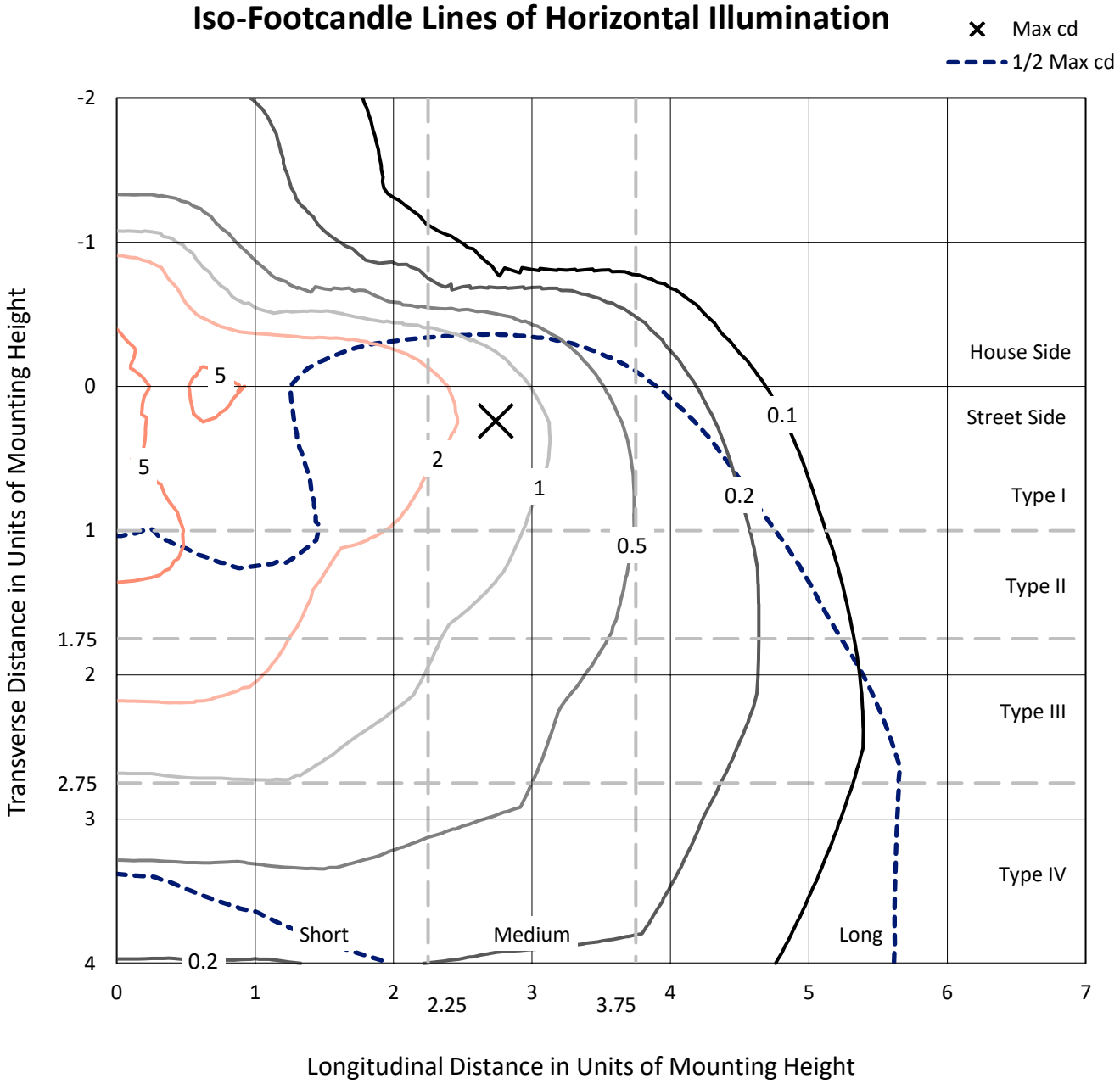
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
Type IV - Medium - N/A

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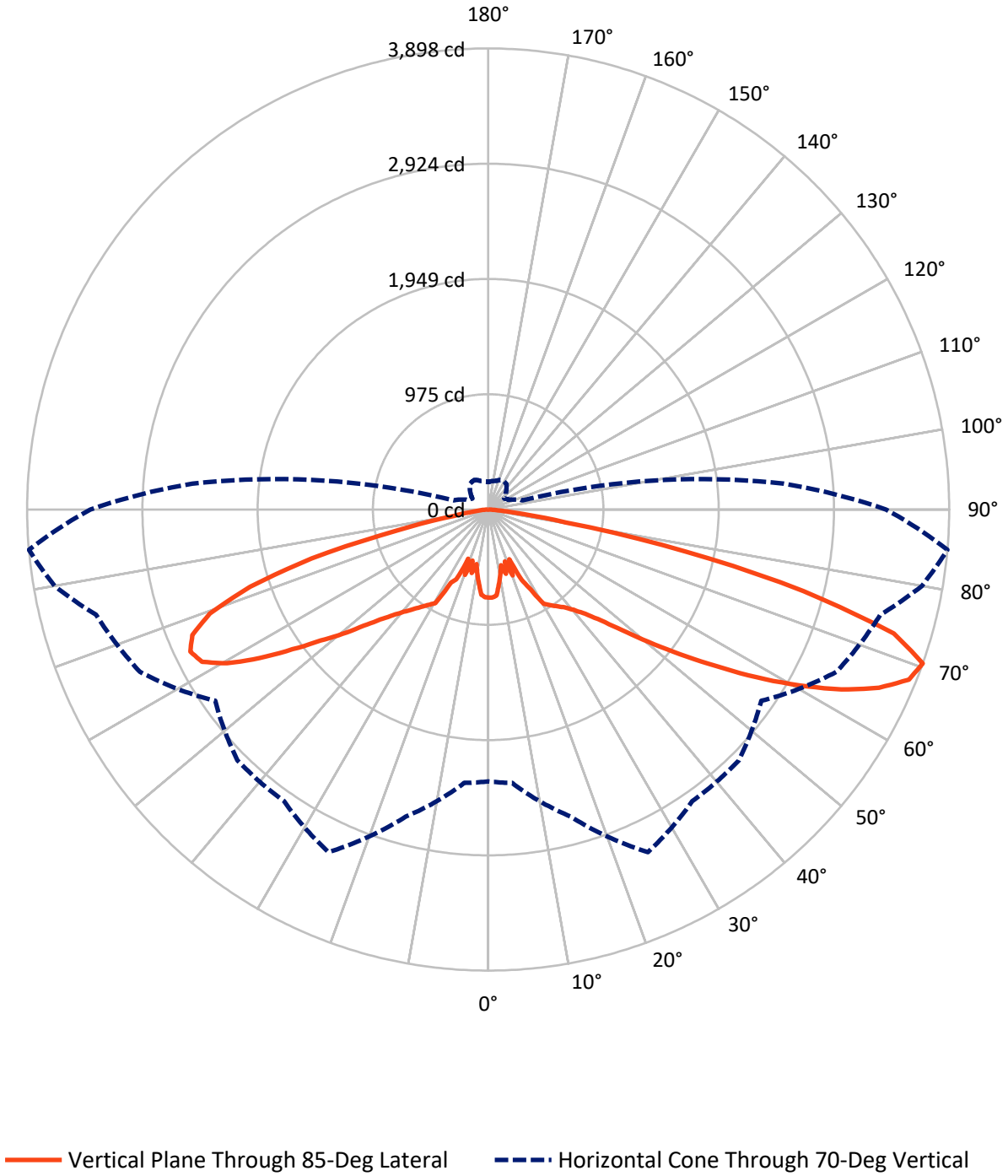
Luminous Intensity Polar Plot



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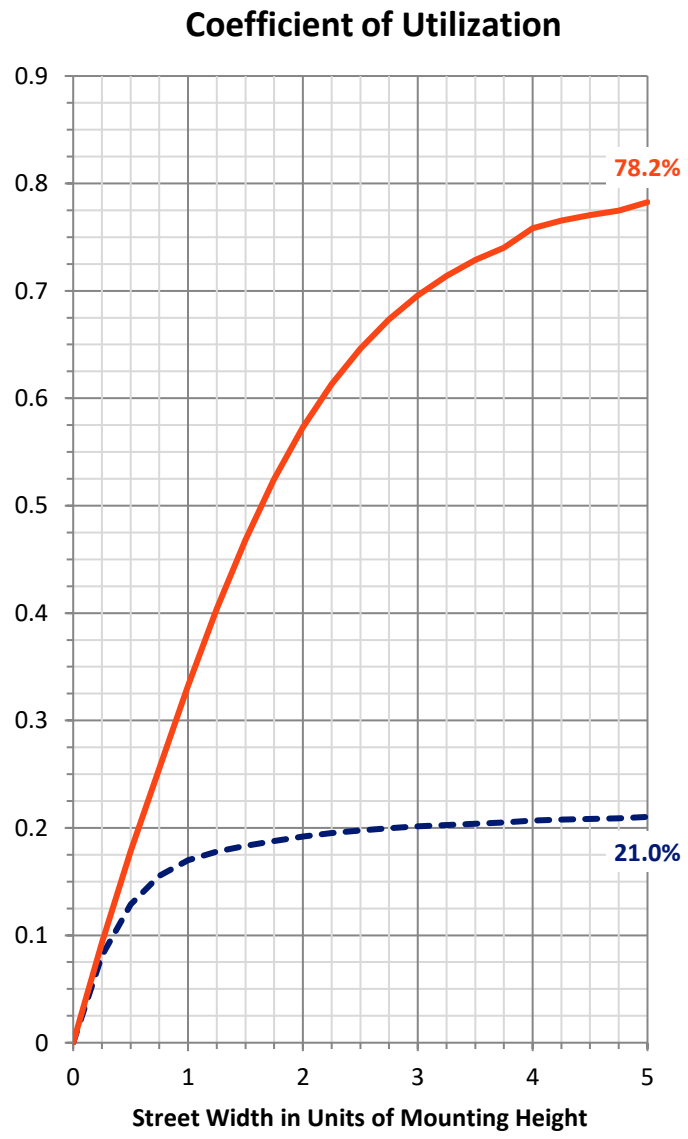
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1376.0	0.0	1376.0
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	5023.6	0.0	5023.6
	% Fixture	78.5	0.0	78.5
Total	Lumens	6399.5	0.0	6399.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	1.0
10°-20°	155.7	2.4
20°-30°	272.3	4.3
30°-40°	479.6	7.5
40°-50°	723.5	11.3
50°-60°	1150.8	18.0
60°-70°	1687.6	26.4
70°-80°	1582.5	24.7
80°-90°	285.7	4.5
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°	6399.5	100.0
0°-180°	6399.5	100.0



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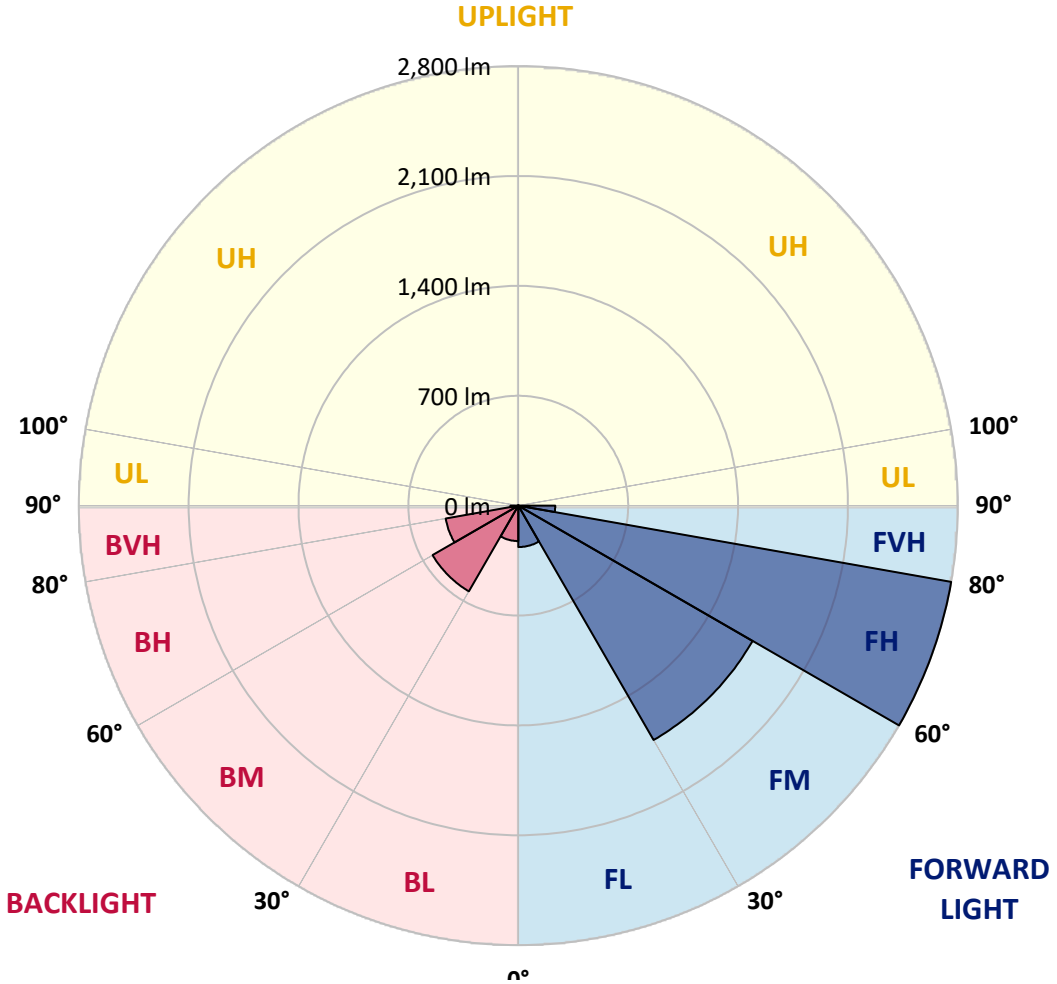
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	263.9	4.1			
FM	(30°-60°)	1724.1	26.9			
FH	(60°-80°)	2800.4	43.8			G2/5000
FVH	(80°-90°)	235.3	3.7			G3/500
BL	(0°-30°)	225.9	3.5	B1/500		
BM	(30°-60°)	629.9	9.8	B1/1000		
BH	(60°-80°)	469.7	7.3	B1/500		G1/500
BVH	(80°-90°)	50.5	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	744.2	744.2	744.2	744.2	744.2	744.2	744.2	744.2	744.2	744.2	744.2
2.5°	675.6	704.0	718.2	732.3	737.1	741.8	741.8	739.4	739.4	739.4	744.2
5°	687.5	685.1	685.1	685.1	682.7	680.4	678.0	673.3	670.9	666.2	663.8
7.5°	630.8	678.0	680.4	682.7	682.7	680.4	685.1	689.8	685.1	678.0	668.6
10°	748.9	746.5	741.8	737.1	730.0	722.9	668.6	611.9	616.6	621.3	576.4
12.5°	649.7	694.5	713.4	732.3	734.7	734.7	696.9	656.7	604.8	552.8	531.5
15°	793.8	789.0	779.6	770.1	706.4	640.2	602.4	564.6	564.6	564.6	500.8
17.5°	668.6	666.2	708.7	751.2	727.6	704.0	649.7	595.3	515.0	432.3	484.3
20°	819.8	819.8	807.9	796.1	687.5	576.4	583.5	588.2	590.6	590.6	567.0
22.5°	687.5	682.7	687.5	689.8	689.8	689.8	590.6	491.4	545.7	597.7	543.4
25°	819.8	822.1	819.8	817.4	718.2	616.6	633.1	649.7	574.1	496.1	548.1
27.5°	715.8	713.4	701.6	689.8	692.2	694.5	642.6	588.2	618.9	649.7	595.3
30°	876.5	878.8	871.7	862.3	763.1	663.8	659.1	652.0	630.8	609.5	628.4
32.5°	1058.4	1058.4	985.1	911.9	850.5	786.7	734.7	682.7	704.0	725.3	701.6
35°	1155.2	1150.5	1126.9	1100.9	987.5	871.7	800.9	727.6	734.7	739.4	739.4
37.5°	1327.7	1325.3	1292.2	1259.2	1105.6	949.7	857.6	763.1	777.2	789.0	772.5
40°	1542.6	1542.6	1516.7	1488.3	1292.2	1093.8	963.9	833.9	831.6	826.8	807.9
42.5°	1750.5	1757.6	1741.1	1724.6	1495.4	1266.2	1096.2	926.1	904.8	883.5	864.6
45°	1887.6	1897.0	1911.2	1925.4	1698.6	1471.8	1273.3	1072.5	1032.4	989.8	956.8
47.5°	2026.9	2012.8	2031.7	2050.6	1856.8	1663.1	1445.8	1228.5	1162.3	1096.2	1060.7
50°	2156.9	2152.2	2159.2	2166.3	2008.0	1849.8	1625.3	1400.9	1320.6	1237.9	1197.7
52.5°	2327.0	2310.4	2301.0	2291.5	2156.9	2022.2	1809.6	1594.6	1500.1	1403.3	1356.0
55°	2490.0	2482.9	2468.7	2452.2	2336.4	2220.7	1996.2	1771.8	1672.6	1573.4	1519.0
57.5°	2657.7	2653.0	2650.6	2648.3	2546.7	2445.1	2215.9	1984.4	1871.0	1755.3	1710.4
60°	2816.0	2818.3	2837.2	2853.8	2775.8	2697.9	2466.3	2234.8	2090.7	1944.3	1899.4
62.5°	2910.5	2917.6	2964.8	3009.7	2967.2	2924.7	2686.1	2445.1	2293.9	2140.3	2109.6
65°	2790.0	2825.4	2962.5	3099.5	3099.5	3099.5	2882.1	2662.4	2530.1	2397.8	2371.9
67.5°	2520.7	2556.1	2752.2	2945.9	3047.5	3149.1	3007.3	2865.6	2775.8	2683.7	2650.6
70°	*2298.6*	*2319.9*	*2504.1*	*2686.1*	*2941.2*	*3196.3*	*3104.2*	*3009.7*	*3005.0*	*2997.9*	*2908.1*
72.5°	2112.0	2159.2	2310.4	2459.3	2811.3	3163.3	3160.9	3158.5	3255.4	3352.3	3179.8
75°	1689.1	1684.4	1826.1	1967.9	2364.8	2759.3	2981.4	3201.1	3479.8	3756.2	3491.6
77.5°	753.6	805.6	940.2	1074.9	1431.6	1786.0	2213.6	2641.2	3255.4	3867.3	3597.9
80°	215.0	226.8	264.6	300.0	467.8	633.1	1082.0	1528.5	2301.0	3071.1	2889.2
82.5°	113.4	118.1	141.7	163.0	210.3	255.1	425.2	593.0	1256.8	1918.3	1752.9
85°	54.3	49.6	63.8	75.6	101.6	127.6	196.1	264.6	486.7	708.7	611.9
87.5°	11.8	11.8	14.2	14.2	21.3	28.3	42.5	56.7	54.3	49.6	59.1
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°	744.2	744.2	744.2	744.2	744.2	744.2	744.2	744.2	744.2	744.2	744.2
2.5°	746.5	748.9	751.2	748.9	746.5	744.2	744.2	741.8	741.8	739.4	734.7
5°	661.5	694.5	727.6	730.0	732.3	732.3	730.0	727.6	722.9	720.5	715.8
7.5°	659.1	647.3	635.5	637.8	640.2	642.6	642.6	635.5	633.1	614.2	595.3
10°	529.2	517.4	505.6	512.6	519.7	545.7	559.9	555.2	550.4	517.4	481.9
12.5°	510.3	505.6	500.8	465.4	430.0	460.7	481.9	479.6	472.5	441.8	411.1
15°	437.0	439.4	439.4	479.6	519.7	545.7	564.6	559.9	555.2	517.4	479.6
17.5°	533.9	507.9	479.6	472.5	465.4	477.2	460.7	434.7	451.2	446.5	441.8
20°	541.0	477.2	411.1	477.2	543.4	559.9	595.3	593.0	585.9	552.8	519.7
22.5°	489.0	526.8	562.3	526.8	491.4	467.8	455.9	451.2	448.9	458.3	465.4
25°	600.1	529.2	455.9	543.4	628.4	647.3	656.7	649.7	647.3	604.8	562.3
27.5°	538.6	576.4	614.2	642.6	670.9	694.5	765.4	696.9	694.5	654.4	611.9
30°	644.9	685.1	725.3	798.5	871.7	911.9	926.1	921.3	909.5	845.7	782.0
32.5°	678.0	758.3	836.3	869.4	900.1	942.6	963.9	961.5	949.7	874.1	796.1
35°	739.4	798.5	857.6	902.4	945.0	985.1	1004.0	1011.1	996.9	902.4	805.6
37.5°	756.0	831.6	907.2	954.4	1001.7	1032.4	1048.9	1070.2	1053.6	940.2	824.5
40°	789.0	878.8	966.2	1013.5	1058.4	1086.7	1115.1	1141.0	1119.8	982.8	843.4
42.5°	843.4	935.5	1025.3	1079.6	1131.6	1171.8	1204.8	1240.3	1200.1	1022.9	843.4
45°	923.7	1008.7	1093.8	1167.0	1237.9	1287.5	1334.8	1384.4	1304.0	1074.9	843.4
47.5°	1025.3	1108.0	1188.3	1304.0	1419.8	1464.7	1521.4	1568.6	1438.7	1141.0	843.4
50°	1155.2	1247.3	1339.5	1493.0	1644.2	1686.8	1757.6	1793.1	1618.2	1242.6	864.6
52.5°	1306.4	1408.0	1507.2	1686.8	1866.3	1937.2	2031.7	2055.3	1800.2	1344.2	885.9
55°	1464.7	1601.7	1736.4	1934.8	2130.9	2199.4	2334.1	2353.0	2034.0	1469.4	902.4
57.5°	1665.5	1826.1	1984.4	2178.1	2369.5	2466.3	2676.6	2683.7	2305.7	1623.0	937.9
60°	1854.5	2055.3	2253.7	2438.0	2622.3	2773.5	3016.8	3019.2	2560.8	1738.7	914.3
62.5°	2078.9	2317.5	2553.8	2712.0	2870.3	3057.0	3349.9	3307.4	2740.4	1752.9	765.4
65°	2343.5	2589.2	2834.9	2969.5	3101.8	3314.5	3631.0	3468.0	2790.0	1672.6	552.8
67.5°	2615.2	2844.3	3073.5	3179.8	3286.1	3555.4	3836.5	3486.9	2716.8	1552.1	385.1
70°	2818.3	3033.3	3248.3	3340.4	3432.6	3723.1	3898.0	3364.1	2511.2	1405.6	300.0
72.5°	3005.0	3208.1	3408.9	3456.2	3501.1	3649.9	3586.1	2964.8	2116.7	1183.6	248.1
75°	3227.0	3357.0	3484.5	3399.5	3314.5	3113.6	2752.2	2161.6	1549.7	881.2	212.6
77.5°	3328.6	3297.9	3264.8	2974.3	2683.7	2145.1	1710.4	1249.7	786.7	484.3	181.9
80°	2707.3	2584.5	2459.3	1972.6	1486.0	1015.8	666.2	422.9	288.2	217.3	146.5
82.5°	1585.2	1299.3	1013.5	744.2	474.8	333.1	217.3	172.5	134.7	127.6	118.1
85°	512.6	453.6	394.5	311.8	229.2	141.7	82.7	75.6	70.9	78.0	82.7
87.5°	68.5	68.5	66.1	49.6	30.7	16.5	9.4	7.1	7.1	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°	744.2	744.2	744.2	744.2	744.2	744.2	744.2	744.2	744.2	744.2	744.2
2.5°	734.7	732.3	730.0	727.6	725.3	720.5	701.6	682.7	675.6	666.2	659.1
5°	692.2	668.6	652.0	635.5	628.4	618.9	621.3	623.7	626.0	626.0	626.0
7.5°	600.1	604.8	607.1	607.1	614.2	618.9	623.7	626.0	616.6	607.1	595.3
10°	477.2	470.1	479.6	486.7	498.5	507.9	538.6	569.3	597.7	626.0	637.8
12.5°	434.7	458.3	439.4	420.5	458.3	493.7	536.3	578.8	604.8	628.4	607.1
15°	441.8	401.6	406.3	408.7	455.9	500.8	474.8	448.9	522.1	593.0	614.2
17.5°	434.7	427.6	453.6	477.2	432.3	387.4	451.2	512.6	545.7	578.8	569.3
20°	470.1	418.1	418.1	418.1	458.3	498.5	467.8	437.0	472.5	507.9	567.0
22.5°	486.7	505.6	467.8	427.6	453.6	479.6	479.6	477.2	517.4	555.2	545.7
25°	491.4	420.5	453.6	484.3	467.8	448.9	470.1	489.0	500.8	512.6	564.6
27.5°	562.3	512.6	474.8	434.7	465.4	496.1	489.0	481.9	491.4	500.8	512.6
30°	666.2	550.4	507.9	463.0	446.5	427.6	448.9	467.8	503.2	538.6	585.9
32.5°	696.9	595.3	526.8	455.9	453.6	448.9	455.9	460.7	500.8	538.6	604.8
35°	692.2	576.4	510.3	441.8	427.6	413.4	425.2	434.7	493.7	552.8	616.6
37.5°	687.5	548.1	479.6	411.1	401.6	389.8	401.6	413.4	458.3	503.2	562.3
40°	680.4	515.0	448.9	380.3	368.5	356.7	368.5	378.0	413.4	448.9	496.1
42.5°	663.8	481.9	415.8	347.3	337.8	326.0	335.5	344.9	375.6	406.3	434.7
45°	644.9	444.1	380.3	316.6	307.1	297.7	304.8	309.5	337.8	363.8	378.0
47.5°	623.7	404.0	344.9	285.9	276.4	267.0	274.0	278.8	300.0	321.3	326.0
50°	618.9	370.9	316.6	259.9	252.8	243.3	248.1	252.8	269.3	283.5	283.5
52.5°	609.5	330.7	285.9	238.6	233.9	226.8	229.2	231.5	243.3	255.1	252.8
55°	602.4	302.4	262.2	222.1	217.3	210.3	212.6	215.0	226.8	236.2	233.9
57.5°	609.5	278.8	243.3	205.5	200.8	196.1	200.8	205.5	217.3	229.2	229.2
60°	585.9	255.1	222.1	189.0	186.6	181.9	193.7	203.2	222.1	238.6	243.3
62.5°	500.8	233.9	205.5	177.2	179.5	179.5	200.8	219.7	245.7	269.3	274.0
65°	385.1	217.3	193.7	167.7	179.5	191.4	219.7	248.1	271.7	295.3	288.2
67.5°	295.3	205.5	186.6	165.4	191.4	215.0	241.0	267.0	278.8	288.2	276.4
70°	*248.1*	*193.7*	*179.5*	*163.0*	*189.0*	*215.0*	*241.0*	*267.0*	*271.7*	*276.4*	*264.6*
72.5°	217.3	184.3	170.1	155.9	177.2	198.4	229.2	257.5	262.2	264.6	252.8
75°	193.7	172.5	155.9	139.4	160.6	179.5	210.3	241.0	245.7	248.1	238.6
77.5°	170.1	158.3	139.4	120.5	141.7	163.0	191.4	219.7	226.8	233.9	222.1
80°	141.7	134.7	120.5	106.3	129.9	151.2	177.2	203.2	210.3	217.3	205.5
82.5°	113.4	108.7	99.2	89.8	113.4	137.0	163.0	186.6	193.7	198.4	184.3
85°	82.7	82.7	78.0	73.2	96.9	118.1	134.7	151.2	148.8	146.5	137.0
87.5°	11.8	11.8	16.5	21.3	28.3	33.1	42.5	49.6	52.0	52.0	40.2
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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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	744.2	744.2	744.2	744.2
2.5°	652.0	652.0	649.7	654.4
5°	626.0	628.4	628.4	630.8
7.5°	583.5	571.7	557.5	559.9
10°	649.7	652.0	654.4	654.4
12.5°	583.5	574.1	562.3	564.6
15°	633.1	640.2	647.3	649.7
17.5°	557.5	555.2	552.8	550.4
20°	623.7	635.5	647.3	647.3
22.5°	536.3	536.3	536.3	538.6
25°	616.6	630.8	642.6	642.6
27.5°	522.1	555.2	588.2	614.2
30°	630.8	637.8	644.9	647.3
32.5°	668.6	704.0	737.1	744.2
35°	678.0	694.5	708.7	715.8
37.5°	621.3	635.5	649.7	659.1
40°	541.0	552.8	564.6	571.7
42.5°	460.7	463.0	465.4	477.2
45°	392.2	380.3	368.5	366.2
47.5°	328.4	311.8	295.3	292.9
50°	281.1	267.0	252.8	252.8
52.5°	248.1	238.6	229.2	229.2
55°	231.5	226.8	219.7	219.7
57.5°	229.2	226.8	224.4	224.4
60°	245.7	248.1	248.1	248.1
62.5°	276.4	278.8	278.8	278.8
65°	278.8	274.0	269.3	269.3
67.5°	264.6	257.5	250.4	245.7
70°	*250.4*	*245.7*	*238.6*	*231.5*
72.5°	238.6	233.9	226.8	219.7
75°	226.8	219.7	210.3	205.5
77.5°	210.3	205.5	198.4	193.7
80°	191.4	186.6	179.5	170.1
82.5°	170.1	172.5	172.5	148.8
85°	125.2	118.1	108.7	89.8
87.5°	26.0	23.6	18.9	16.5
90°	0.0	0.0	0.0	0.0

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