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: P560874

Luminaire Tested: **SDL-PA1-70-727-U-T3-HSS**

Issue Date: 7/26/2021

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P560874
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-70-727-U-T3-HSS
Description:	Springdale
	(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5269.8 lumens
Efficiency:	N/A
Efficacy:	73.0 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 - G2

Input Watts (W):	72.2
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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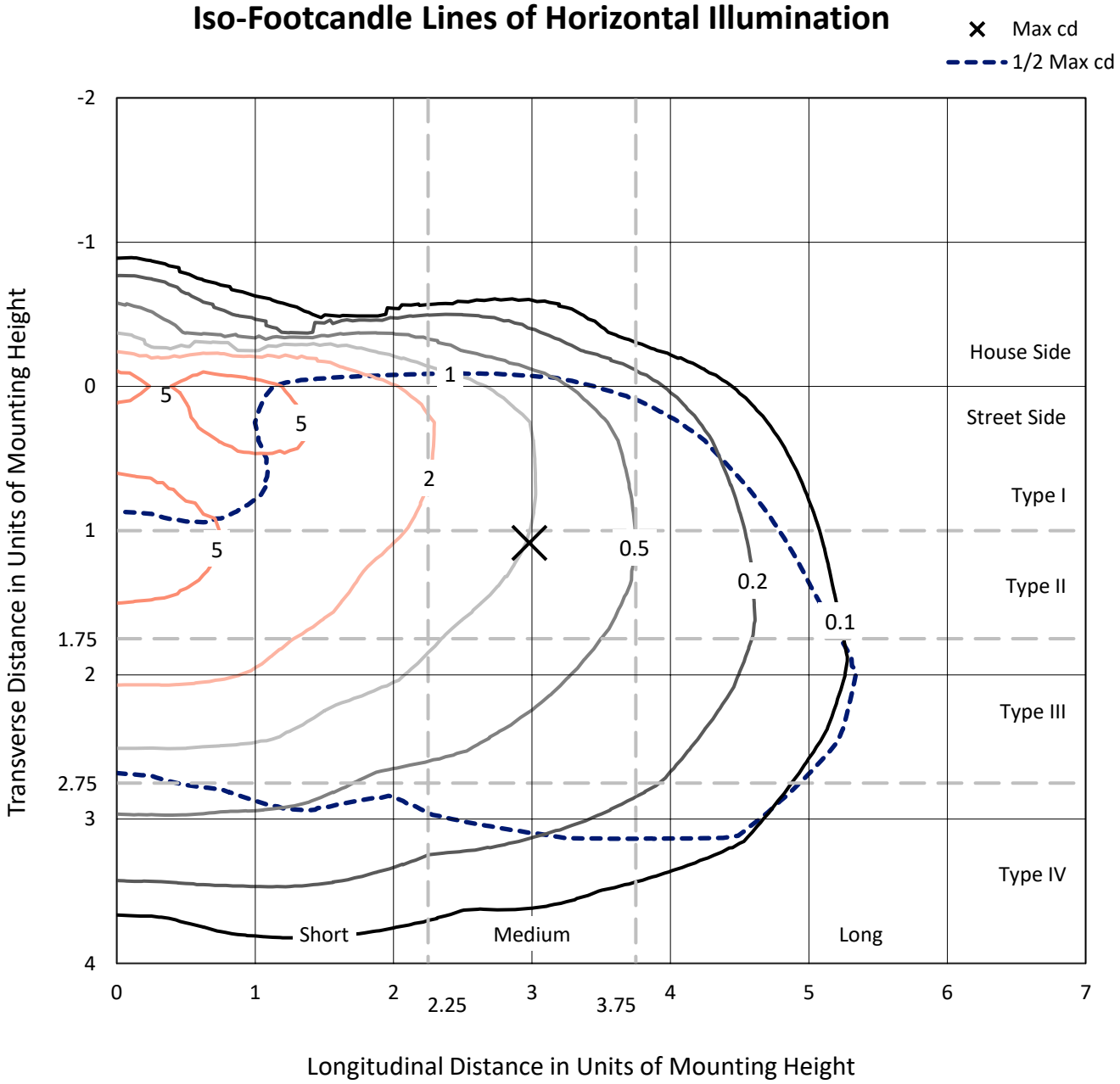
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
Type IV - Medium - N/A

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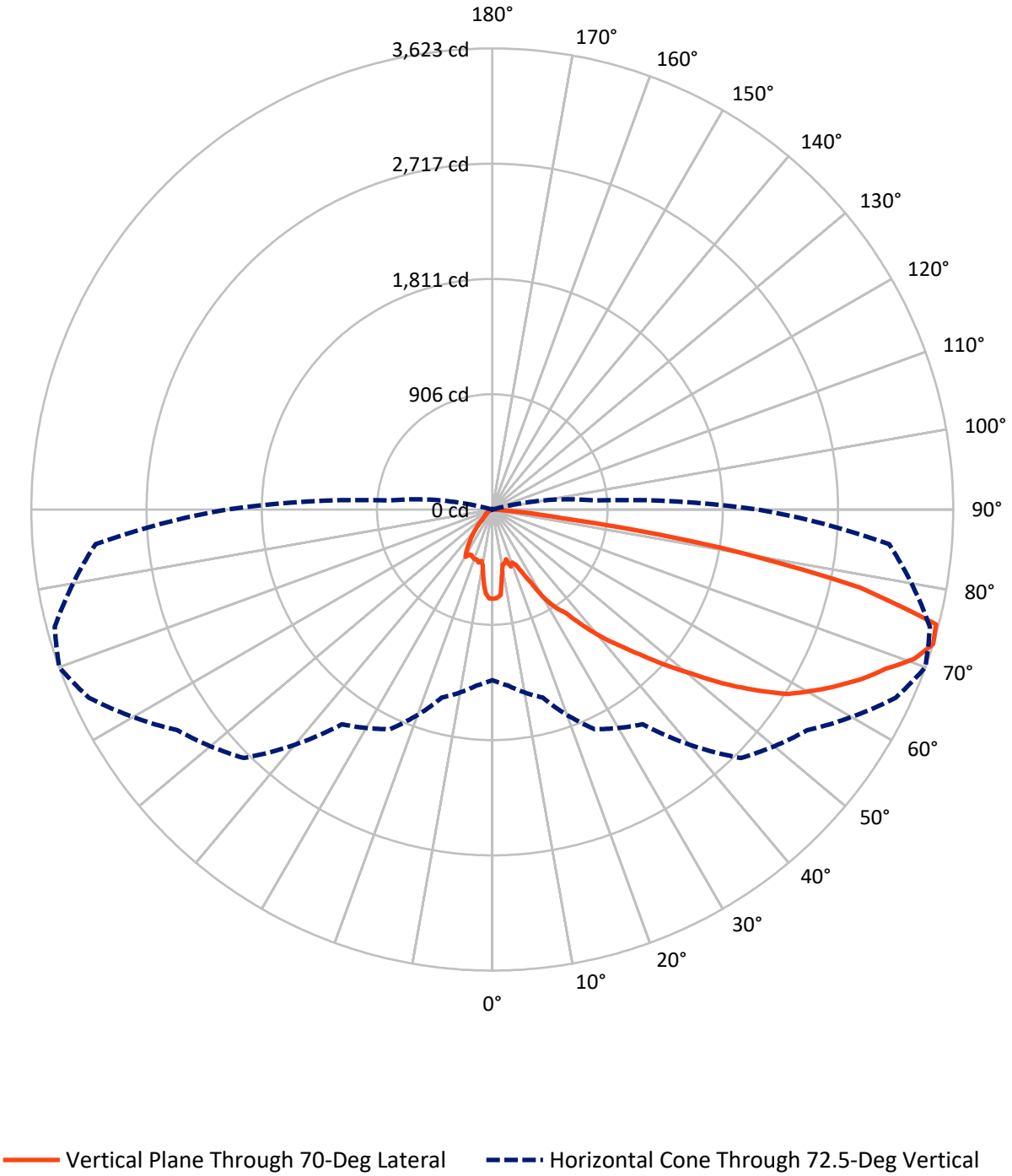
Luminous Intensity Polar Plot



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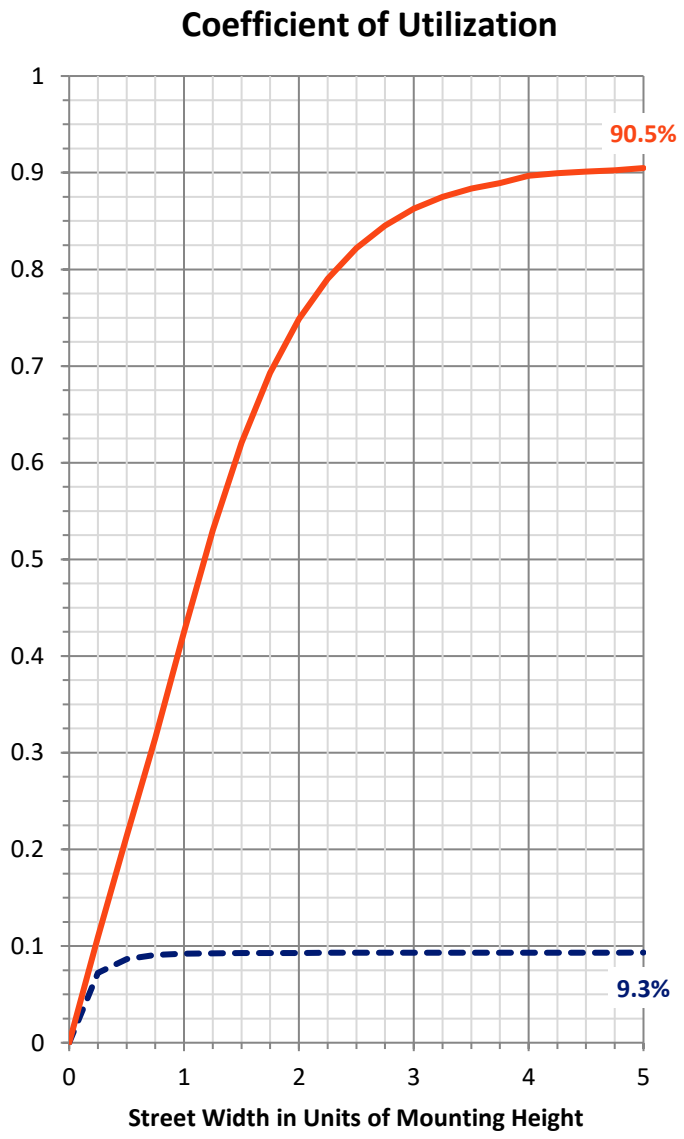
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	496.9	0.0	496.9
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	4772.9	0.0	4772.9
	% Fixture	90.6	0.0	90.6
Total	Lumens	5269.8	0.0	5269.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	1.0
10°-20°	107.9	2.0
20°-30°	175.8	3.3
30°-40°	375.2	7.1
40°-50°	722.9	13.7
50°-60°	1195.6	22.7
60°-70°	1463.4	27.8
70°-80°	1072.1	20.3
80°-90°	103.0	2.0
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°	5269.8	100.0
0°-180°	5269.8	100.0



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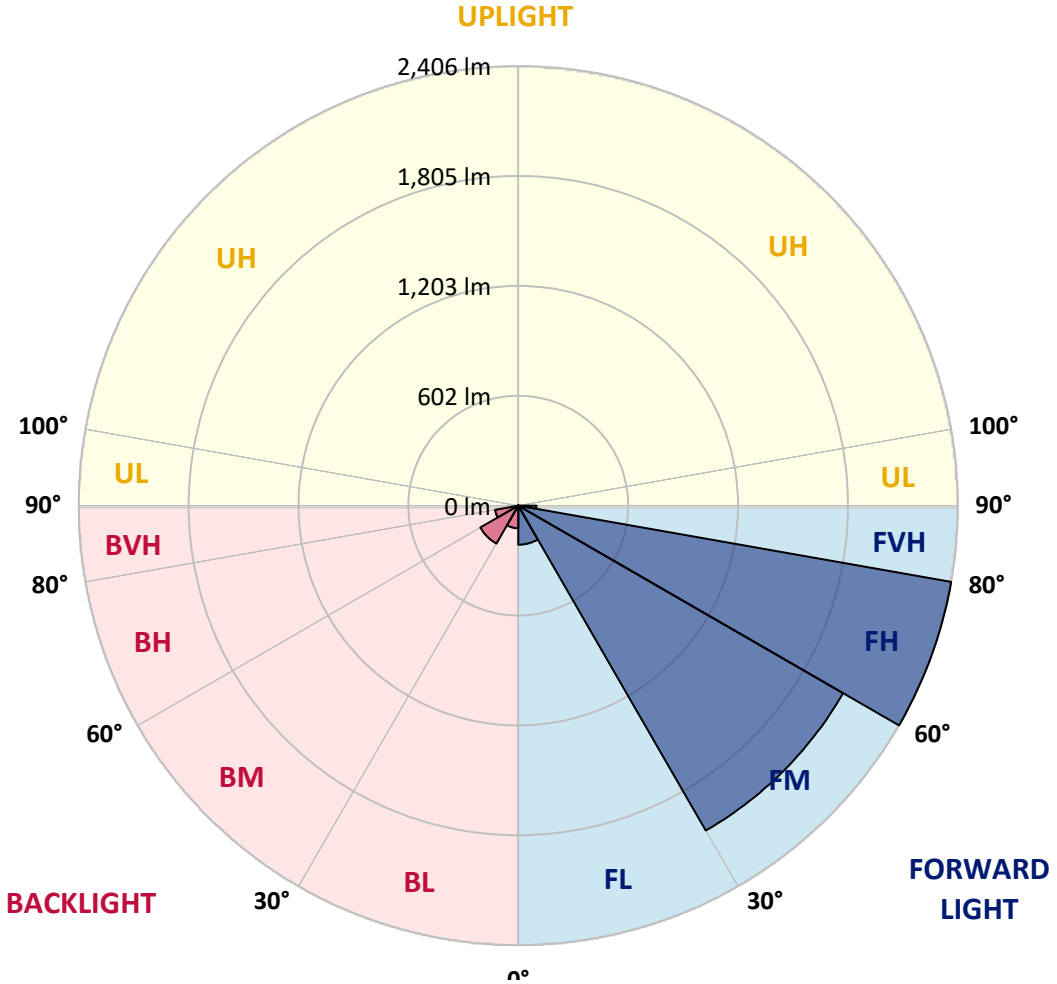
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	214.0	4.1			
FM	(30°-60°)	2053.5	39.0			
FH	(60°-80°)	2406.2	45.7			G2/5000
FVH	(80°-90°)	99.3	1.9			G1/100
BL	(0°-30°)	123.7	2.3	B1/500		
BM	(30°-60°)	240.1	4.6	B1/1000		
BH	(60°-80°)	129.4	2.5	B1/500		G1/500
BVH	(80°-90°)	3.6	0.1			G0/10
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3
2.5°	623.7	641.8	652.1	662.5	659.9	657.3	662.5	667.6	678.0	685.8	690.9
5°	561.5	561.5	561.5	561.5	564.1	564.1	564.1	564.1	566.7	569.3	571.9
7.5°	486.5	496.9	502.0	507.2	520.1	530.5	540.8	551.2	556.4	559.0	561.5
10°	527.9	527.9	527.9	527.9	530.5	530.5	496.9	460.6	463.2	465.8	450.3
12.5°	437.3	434.7	463.2	489.1	507.2	522.7	504.6	483.9	452.9	419.2	414.0
15°	515.0	515.0	515.0	515.0	478.7	442.5	416.6	390.8	411.5	429.6	388.2
17.5°	406.3	416.6	447.7	478.7	478.7	478.7	455.4	432.2	388.2	341.6	390.8
20°	504.6	504.6	504.6	502.0	442.5	383.0	403.7	421.8	439.9	458.0	450.3
22.5°	419.2	414.0	421.8	429.6	447.7	463.2	411.5	357.1	416.6	473.6	445.1
25°	530.5	530.5	533.1	533.1	476.2	419.2	452.9	483.9	439.9	395.9	465.8
27.5°	478.7	463.2	460.6	455.4	473.6	489.1	465.8	442.5	491.7	540.8	517.6
30°	665.1	665.1	646.9	628.8	559.0	486.5	494.3	499.4	499.4	499.4	551.2
32.5°	923.8	926.4	856.6	784.1	722.0	657.3	600.4	540.8	571.9	603.0	636.6
35°	1244.7	1252.5	1203.3	1151.6	998.9	846.2	750.5	654.7	652.1	646.9	696.1
37.5°	1475.0	1490.6	1451.7	1412.9	1231.8	1050.6	913.5	776.3	763.4	747.9	766.0
40°	1692.4	1682.1	1658.8	1632.9	1441.4	1247.3	1097.2	944.5	910.9	874.7	877.3
42.5°	1974.5	1943.4	1883.9	1824.4	1640.7	1456.9	1296.5	1136.0	1081.7	1027.3	1017.0
45°	2339.4	2287.6	2202.2	2114.2	1933.1	1751.9	1555.3	1356.0	1288.7	1218.8	1203.3
47.5°	2525.7	2489.4	2435.1	2378.2	2191.9	2005.5	1816.6	1625.1	1532.0	1436.2	1410.3
50°	2745.6	2699.1	2662.8	2624.0	2463.6	2300.5	2124.6	1946.0	1821.8	1697.6	1653.6
52.5°	2955.2	2877.6	2844.0	2807.7	2680.9	2551.6	2367.8	2184.1	2103.9	2021.1	1915.0
55°	3030.3	2955.2	2939.7	2924.2	2833.6	2743.1	2574.8	2406.6	2313.5	2217.7	2132.3
57.5°	2867.3	2877.6	2924.2	2970.8	2919.0	2867.3	2730.1	2590.4	2486.9	2383.3	2334.2
60°	2756.0	2779.3	2849.1	2919.0	2919.0	2919.0	2844.0	2768.9	2670.6	2572.3	2538.6
62.5°	2577.4	2605.9	2712.0	2818.1	2885.4	2952.7	2872.4	2792.2	2758.6	2722.3	2691.3
65°	2341.9	2349.7	2468.7	2587.8	2727.5	2864.7	2789.6	2712.0	2776.7	2841.4	2810.3
67.5°	2070.2	2083.2	2194.4	2303.1	2468.7	2634.4	2613.7	2590.4	2732.7	2875.0	2872.4
70°	1746.8	1770.0	1865.8	1959.0	2145.3	2329.0	2349.7	2370.4	2616.2	2859.5	2906.1
72.5°	*1340.5*	*1387.1*	*1459.5*	*1529.4*	*1718.3*	*1904.6*	*1982.2*	*2059.9*	*2411.8*	*2761.2*	*2893.1*
75°	445.1	476.2	678.0	877.3	1068.8	1260.3	1431.0	1599.3	2039.2	2476.5	2750.8
77.5°	129.4	134.6	173.4	209.6	359.7	507.2	683.2	856.6	1286.1	1713.1	2168.6
80°	67.3	69.9	77.6	85.4	124.2	163.0	235.5	305.4	502.0	698.7	1177.4
82.5°	46.6	46.6	54.3	59.5	75.0	90.6	129.4	168.2	183.7	199.3	473.6
85°	15.5	15.5	20.7	25.9	36.2	46.6	69.9	90.6	90.6	88.0	126.8
87.5°	2.6	2.6	5.2	7.8	12.9	15.5	12.9	10.4	7.8	5.2	10.4
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°	701.3	701.3	701.3	*701.3*	701.3	701.3	701.3	701.3	701.3	701.3	701.3
2.5°	693.5	696.1	696.1	*696.1*	698.7	698.7	698.7	698.7	696.1	698.7	698.7
5°	571.9	618.5	662.5	*675.4*	683.2	685.8	685.8	685.8	683.2	683.2	683.2
7.5°	564.1	561.5	559.0	*538.3*	587.4	597.8	605.5	603.0	603.0	590.0	574.5
10°	434.7	434.7	434.7	*439.9*	468.4	502.0	535.7	535.7	535.7	496.9	458.0
12.5°	406.3	421.8	434.7	*434.7*	388.2	427.0	465.8	465.8	465.8	427.0	385.6
15°	346.8	364.9	380.4	*406.3*	483.9	530.5	577.1	577.1	574.5	530.5	483.9
17.5°	437.3	432.2	424.4	*471.0*	442.5	450.3	458.0	434.7	468.4	455.4	442.5
20°	442.5	395.9	346.8	*445.1*	546.0	590.0	634.0	636.6	628.8	579.7	527.9
22.5°	416.6	476.2	533.1	*471.0*	486.5	476.2	463.2	458.0	458.0	455.4	452.9
25°	533.1	476.2	419.2	*551.2*	644.4	675.4	706.5	698.7	688.4	618.5	548.6
27.5°	491.7	548.6	603.0	*654.7*	701.3	729.8	758.2	838.4	729.8	649.5	566.7
30°	600.4	670.2	737.5	*812.6*	954.9	996.3	1037.7	1017.0	991.1	835.9	680.6
32.5°	667.6	778.9	887.6	*921.3*	1006.6	1045.5	1081.7	1063.6	1032.5	828.1	623.7
35°	742.7	846.2	947.1	*1001.5*	1105.0	1136.0	1164.5	1136.0	1102.4	820.3	538.3
37.5°	784.1	923.8	1061.0	*1154.2*	1242.1	1249.9	1255.1	1229.2	1185.2	820.3	455.4
40°	879.8	1029.9	1177.4	*1312.0*	1381.9	1384.5	1387.1	1345.6	1265.4	812.6	357.1
42.5°	1006.6	1159.3	1309.4	*1456.9*	1550.1	1542.3	1532.0	1475.0	1343.1	799.6	256.2
45°	1187.8	1322.4	1456.9	*1622.5*	1736.4	1715.7	1692.4	1607.0	1397.4	786.7	173.4
47.5°	1381.9	1488.0	1591.5	*1819.2*	1964.1	1920.1	1873.6	1749.3	1436.2	781.5	124.2
50°	1607.0	1692.4	1777.8	*2026.2*	2199.6	2116.8	2034.0	1891.7	1451.7	776.3	98.3
52.5°	1806.3	1894.3	1979.7	*2269.5*	2401.5	2308.3	2215.1	2002.9	1444.0	766.0	85.4
55°	2044.3	2122.0	2199.6	*2502.4*	2608.5	2484.3	2357.5	2083.2	1405.2	742.7	77.6
57.5°	2282.4	2362.6	2440.3	*2735.3*	2766.3	2644.7	2520.5	2160.8	1366.3	719.4	69.9
60°	2505.0	2595.5	2686.1	*2893.1*	2916.4	2807.7	2699.1	2235.8	1304.2	683.2	62.1
62.5°	2660.2	2784.5	2908.7	*3048.4*	3058.8	2960.4	2859.5	2292.8	1224.0	641.8	56.9
65°	2776.7	2947.5	3115.7	*3201.1*	3195.9	3126.0	3056.2	2341.9	1159.3	603.0	46.6
67.5°	2867.3	3074.3	3281.3	*3338.2*	3351.2	3286.5	3221.8	2349.7	1079.1	559.0	36.2
70°	2952.7	3180.4	3408.1	*3516.8*	3490.9	3390.0	3289.1	2290.2	970.4	499.4	25.9
72.5°	*3022.5*	*3260.6*	*3498.7*	*3622.9*	*3560.8*	*3346.0*	*3131.2*	*2088.3*	*812.6*	*416.6*	*18.1*
75°	3022.5	3260.6	3496.1	*3602.2*	3390.0	2963.0	2533.4	1555.3	476.2	245.8	15.5
77.5°	2624.0	2797.4	2970.8	*2955.2*	2582.6	2052.1	1519.0	895.4	160.4	88.0	12.9
80°	1656.2	1770.0	1883.9	*1827.0*	1319.8	947.1	571.9	300.2	56.9	33.6	10.4
82.5°	747.9	734.9	722.0	*556.4*	258.8	173.4	85.4	51.8	15.5	10.4	5.2
85°	165.6	160.4	155.3	*113.9*	77.6	51.8	25.9	15.5	7.8	7.8	5.2
87.5°	15.5	18.1	18.1	*12.9*	12.9	10.4	5.2	5.2	5.2	5.2	5.2
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3
2.5°	698.7	698.7	698.7	696.1	696.1	696.1	678.0	657.3	644.4	628.8	621.1
5°	659.9	636.6	608.1	579.7	574.5	566.7	569.3	569.3	571.9	571.9	571.9
7.5°	561.5	548.6	553.8	559.0	559.0	559.0	559.0	556.4	553.8	551.2	525.3
10°	447.7	437.3	437.3	437.3	445.1	450.3	437.3	421.8	445.1	465.8	460.6
12.5°	411.5	437.3	403.7	367.5	372.6	375.2	375.2	372.6	362.3	351.9	315.7
15°	429.6	375.2	344.2	310.5	310.5	310.5	251.0	191.5	178.6	165.6	168.2
17.5°	411.5	380.4	344.2	305.4	230.3	152.7	144.9	134.6	134.6	134.6	137.2
20°	414.0	300.2	253.6	207.0	165.6	121.6	113.9	103.5	98.3	90.6	106.1
22.5°	406.3	357.1	243.3	129.4	113.9	98.3	90.6	80.2	93.2	106.1	106.1
25°	393.3	235.5	176.0	113.9	95.7	77.6	88.0	95.7	90.6	82.8	95.7
27.5°	395.9	222.5	152.7	82.8	88.0	90.6	85.4	77.6	85.4	90.6	85.4
30°	427.0	173.4	129.4	82.8	80.2	75.0	77.6	80.2	77.6	72.5	77.6
32.5°	380.4	137.2	108.7	77.6	75.0	72.5	69.9	67.3	69.9	69.9	69.9
35°	320.9	103.5	88.0	72.5	67.3	62.1	62.1	59.5	59.5	59.5	59.5
37.5°	271.7	88.0	77.6	64.7	59.5	54.3	51.8	46.6	46.6	44.0	44.0
40°	220.0	80.2	69.9	56.9	51.8	44.0	41.4	36.2	36.2	33.6	33.6
42.5°	165.6	72.5	62.1	49.2	44.0	36.2	31.1	25.9	25.9	23.3	23.3
45°	119.0	64.7	54.3	41.4	36.2	28.5	23.3	18.1	18.1	15.5	15.5
47.5°	93.2	59.5	49.2	36.2	28.5	20.7	18.1	12.9	12.9	12.9	12.9
50°	75.0	51.8	41.4	28.5	20.7	12.9	10.4	7.8	7.8	7.8	7.8
52.5°	67.3	46.6	36.2	23.3	18.1	10.4	7.8	5.2	7.8	7.8	7.8
55°	59.5	41.4	31.1	18.1	12.9	7.8	7.8	5.2	7.8	7.8	7.8
57.5°	54.3	36.2	25.9	12.9	10.4	5.2	5.2	2.6	5.2	5.2	5.2
60°	46.6	31.1	20.7	10.4	7.8	2.6	2.6	2.6	5.2	5.2	5.2
62.5°	41.4	25.9	18.1	7.8	5.2	2.6	2.6	2.6	5.2	5.2	5.2
65°	33.6	18.1	12.9	5.2	5.2	2.6	2.6	2.6	5.2	5.2	5.2
67.5°	25.9	12.9	10.4	5.2	5.2	2.6	2.6	2.6	5.2	5.2	2.6
70°	18.1	10.4	7.8	2.6	2.6	2.6	2.6	2.6	5.2	5.2	2.6
72.5°	*12.9*	*7.8*	*5.2*	*2.6*	*2.6*	*0.0*	*2.6*	*2.6*	*5.2*	*5.2*	*5.2*
75°	12.9	7.8	5.2	2.6	2.6	0.0	2.6	5.2	5.2	5.2	5.2
77.5°	10.4	5.2	5.2	2.6	2.6	0.0	2.6	5.2	5.2	5.2	5.2
80°	7.8	5.2	5.2	2.6	2.6	0.0	5.2	7.8	7.8	7.8	5.2
82.5°	5.2	5.2	5.2	2.6	2.6	0.0	5.2	7.8	7.8	7.8	5.2
85°	5.2	5.2	5.2	5.2	2.6	0.0	5.2	7.8	7.8	7.8	7.8
87.5°	5.2	5.2	5.2	5.2	5.2	2.6	7.8	10.4	10.4	7.8	7.8
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°	701.3	701.3	701.3	701.3
2.5°	610.7	610.7	608.1	615.9
5°	571.9	571.9	571.9	574.5
7.5°	496.9	478.7	460.6	463.2
10°	452.9	447.7	439.9	445.1
12.5°	279.5	264.0	245.8	238.1
15°	170.8	170.8	170.8	168.2
17.5°	139.7	129.4	116.5	119.0
20°	121.6	124.2	126.8	126.8
22.5°	106.1	100.9	95.7	95.7
25°	106.1	106.1	106.1	106.1
27.5°	80.2	80.2	77.6	77.6
30°	82.8	82.8	80.2	77.6
32.5°	67.3	67.3	67.3	67.3
35°	56.9	54.3	51.8	51.8
37.5°	44.0	41.4	38.8	38.8
40°	31.1	31.1	28.5	28.5
42.5°	23.3	23.3	20.7	20.7
45°	15.5	15.5	15.5	15.5
47.5°	10.4	10.4	10.4	10.4
50°	7.8	7.8	7.8	7.8
52.5°	7.8	7.8	5.2	5.2
55°	5.2	5.2	5.2	5.2
57.5°	5.2	5.2	5.2	5.2
60°	5.2	5.2	2.6	2.6
62.5°	2.6	2.6	2.6	2.6
65°	2.6	2.6	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	*2.6*	*2.6*	*0.0*	*0.0*
75°	2.6	2.6	0.0	0.0
77.5°	2.6	2.6	0.0	0.0
80°	2.6	2.6	0.0	0.0
82.5°	2.6	2.6	2.6	0.0
85°	5.2	5.2	2.6	0.0
87.5°	5.2	5.2	2.6	0.0
90°	0.0	0.0	0.0	0.0

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