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: P561226

Luminaire Tested: **SDL-PA1-90-727-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:	P561226
	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-PA1-90-727-U-T3-HSS
Description:	Springdale
	(1) 70 CRI, 2700K, 1180mA 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:	6339.8 lumens
Efficiency:	N/A
Efficacy:	68.6 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):	92.4
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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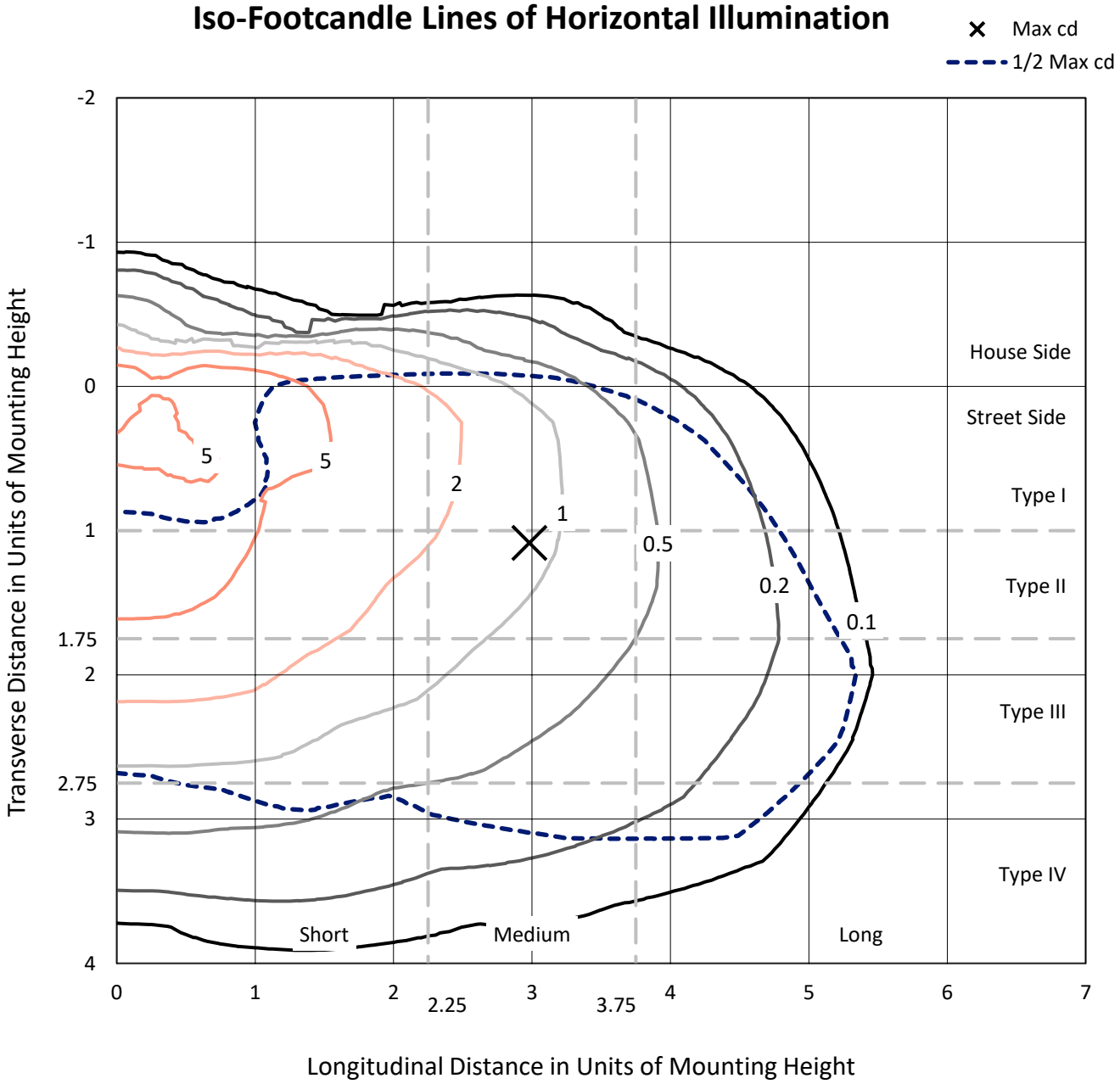
Iso-Footcandle Lines of Horizontal Illumination



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

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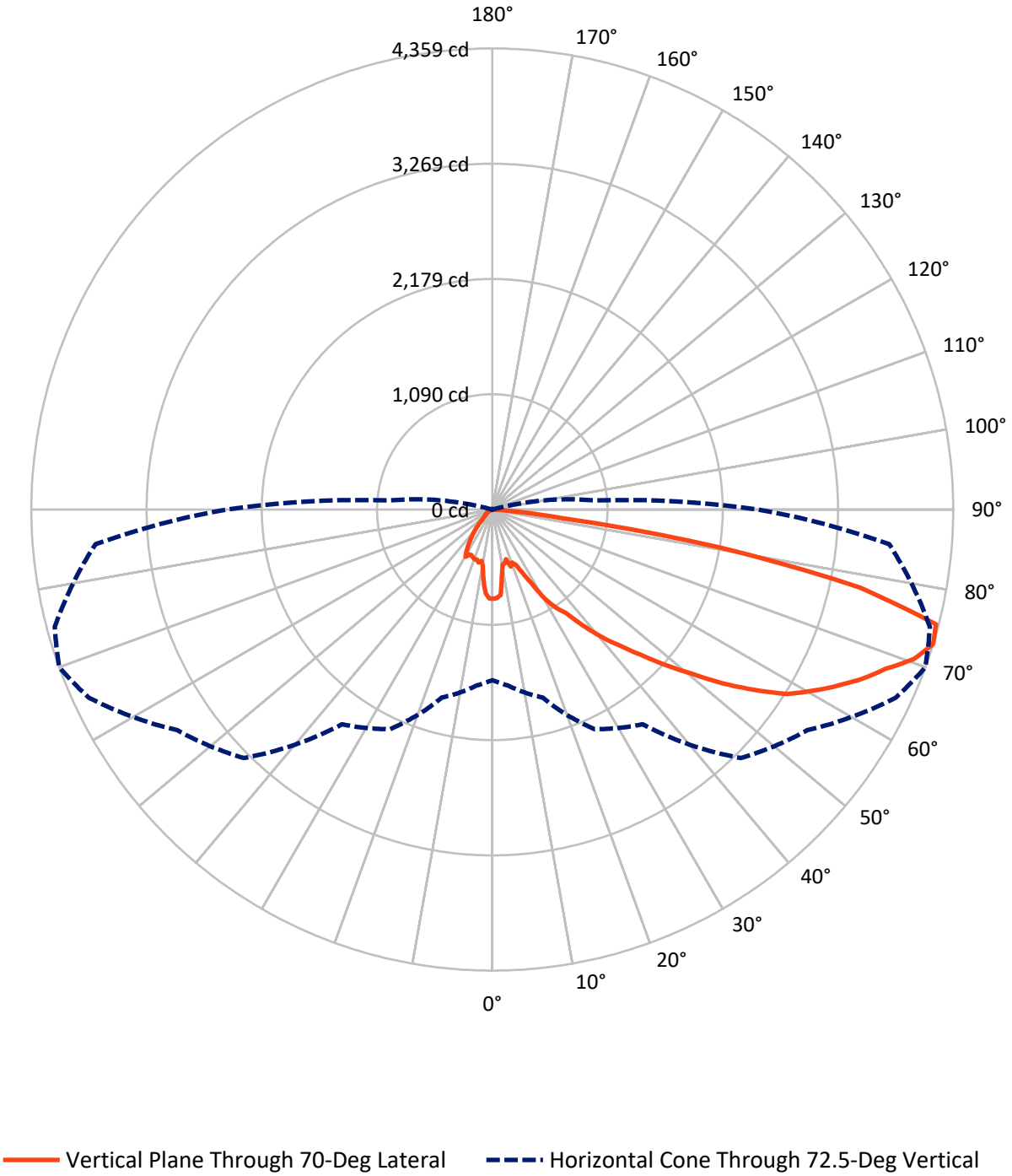
Luminous Intensity Polar Plot



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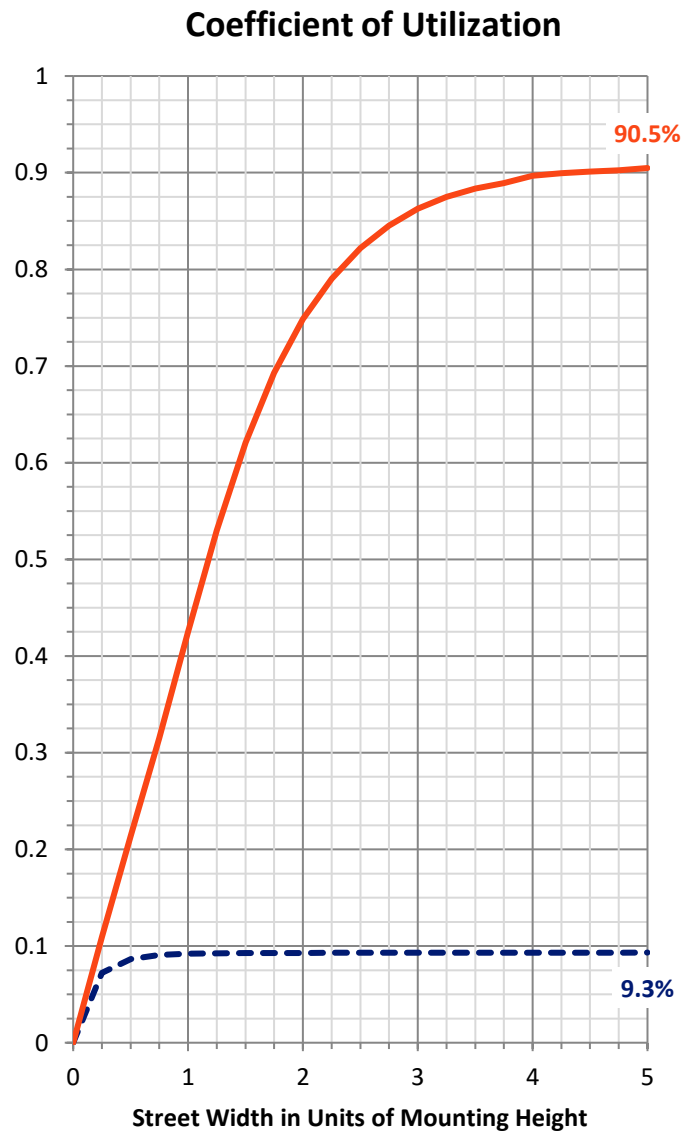
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	597.7	0.0	597.7
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	5742.1	0.0	5742.1
	% Fixture	90.6	0.0	90.6
Total	Lumens	6339.8	0.0	6339.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.9	1.0
10°-20°	129.8	2.0
20°-30°	211.5	3.3
30°-40°	451.3	7.1
40°-50°	869.7	13.7
50°-60°	1438.3	22.7
60°-70°	1760.6	27.8
70°-80°	1289.8	20.3
80°-90°	123.9	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°	6339.8	100.0
0°-180°	6339.8	100.0



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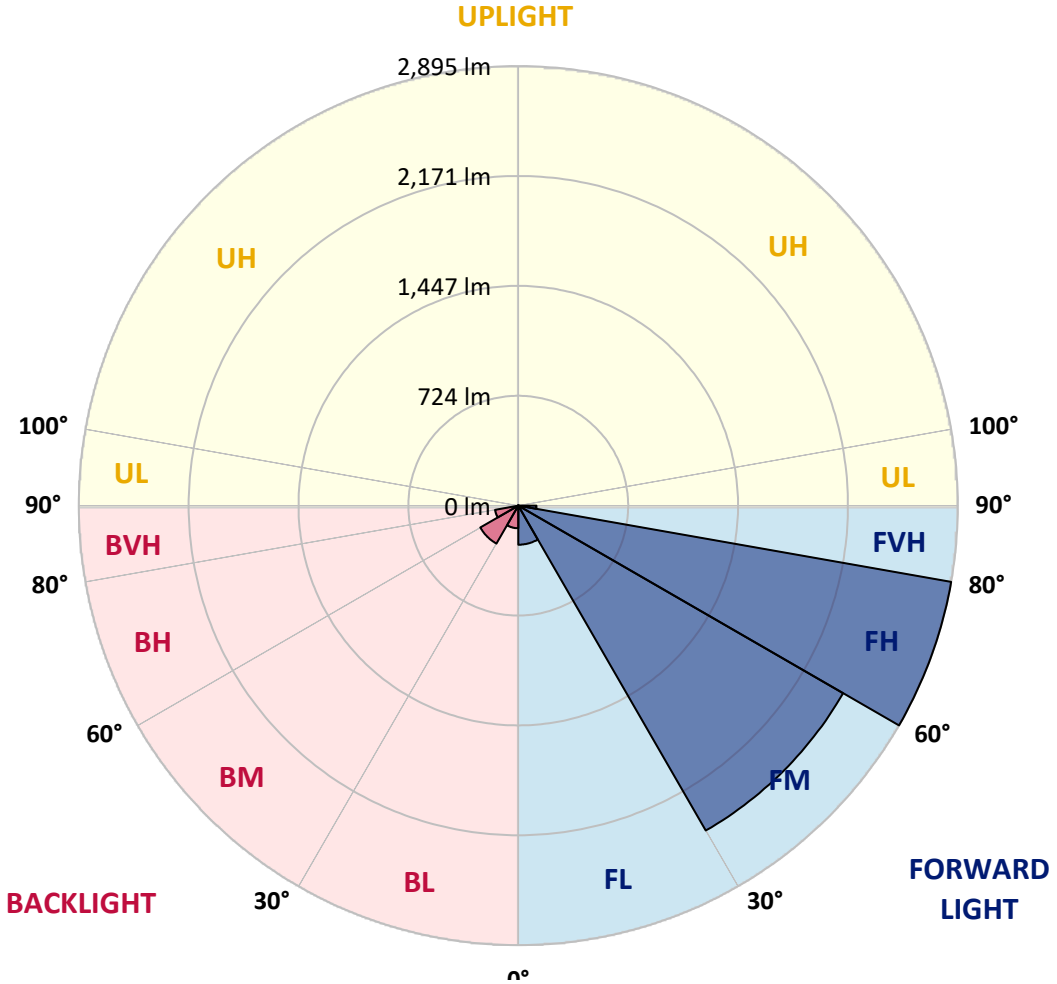
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	257.4	4.1			
FM	(30°-60°)	2470.5	39.0			
FH	(60°-80°)	2894.7	45.7			G2/5000
FVH	(80°-90°)	119.5	1.9			G2/225
BL	(0°-30°)	148.8	2.3	B1/500		
BM	(30°-60°)	288.8	4.6	B1/1000		
BH	(60°-80°)	155.6	2.5	B1/500		G1/500
BVH	(80°-90°)	4.4	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°	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7
2.5°	750.3	772.1	784.5	797.0	793.9	790.8	797.0	803.2	815.7	825.0	831.2
5°	675.6	675.6	675.6	675.6	678.7	678.7	678.7	678.7	681.8	684.9	688.0
7.5°	585.3	597.7	604.0	610.2	625.8	638.2	650.7	663.1	669.3	672.5	675.6
10°	635.1	635.1	635.1	635.1	638.2	638.2	597.7	554.2	557.3	560.4	541.7
12.5°	526.1	523.0	557.3	588.4	610.2	628.9	607.1	582.2	544.8	504.3	498.1
15°	619.5	619.5	619.5	619.5	575.9	532.4	501.2	470.1	495.0	516.8	467.0
17.5°	488.8	501.2	538.6	575.9	575.9	575.9	547.9	519.9	467.0	410.9	470.1
20°	607.1	607.1	607.1	604.0	532.4	460.8	485.7	507.5	529.3	551.0	541.7
22.5°	504.3	498.1	507.5	516.8	538.6	557.3	495.0	429.6	501.2	569.7	535.5
25°	638.2	638.2	641.3	641.3	572.8	504.3	544.8	582.2	529.3	476.3	560.4
27.5°	575.9	557.3	554.2	547.9	569.7	588.4	560.4	532.4	591.5	650.7	622.6
30°	800.1	800.1	778.3	756.5	672.5	585.3	594.6	600.9	600.9	600.9	663.1
32.5°	1111.4	1114.5	1030.5	943.3	868.6	790.8	722.3	650.7	688.0	725.4	765.9
35°	1497.5	1506.8	1447.7	1385.4	1201.7	1018.0	902.8	787.6	784.5	778.3	837.5
37.5°	1774.5	1793.2	1746.5	1699.8	1481.9	1264.0	1099.0	934.0	918.4	899.7	921.5
40°	2036.1	2023.6	1995.6	1964.5	1734.1	1500.6	1320.0	1136.3	1095.9	1052.3	1055.4
42.5°	2375.4	2338.0	2266.4	2194.8	1973.8	1752.8	1559.7	1366.7	1301.3	1236.0	1223.5
45°	2814.4	2752.1	2649.4	2543.5	2325.6	2107.7	1871.1	1631.3	1550.4	1466.3	1447.7
47.5°	3038.5	2994.9	2929.6	2861.1	2636.9	2412.8	2185.5	1955.1	1843.0	1727.8	1696.7
50°	3303.1	3247.1	3203.5	3156.8	2963.8	2767.7	2556.0	2341.2	2191.7	2042.3	1989.4
52.5°	3555.3	3461.9	3421.4	3377.9	3225.3	3069.7	2848.6	2627.6	2531.1	2431.4	2303.8
55°	3645.6	3555.3	3536.6	3518.0	3409.0	3300.0	3097.7	2895.3	2783.2	2668.0	2565.3
57.5°	3449.5	3461.9	3518.0	3574.0	3511.7	3449.5	3284.5	3116.4	2991.8	2867.3	2808.1
60°	3315.6	3343.6	3427.7	3511.7	3511.7	3511.7	3421.4	3331.2	3212.9	3094.6	3054.1
62.5°	3100.8	3135.0	3262.7	3390.3	3471.3	3552.2	3455.7	3359.2	3318.7	3275.1	3237.8
65°	2817.5	2826.8	2970.0	3113.2	3281.4	3446.4	3356.1	3262.7	3340.5	3418.3	3381.0
67.5°	2490.6	2506.2	2640.0	2770.8	2970.0	3169.3	3144.4	3116.4	3287.6	3458.8	3455.7
70°	2101.4	2129.5	2244.6	2356.7	2580.9	2801.9	2826.8	2851.7	3147.5	3440.1	3496.2
72.5°	*1612.7*	*1668.7*	*1755.9*	*1839.9*	*2067.2*	*2291.3*	*2384.7*	*2478.1*	*2901.5*	*3321.8*	*3480.6*
75°	535.5	572.8	815.7	1055.4	1285.8	1516.1	1721.6	1924.0	2453.2	2979.4	3309.4
77.5°	155.7	161.9	208.6	252.2	432.7	610.2	821.9	1030.5	1547.3	2061.0	2608.9
80°	80.9	84.1	93.4	102.7	149.4	196.1	283.3	367.4	604.0	840.6	1416.5
82.5°	56.0	56.0	65.4	71.6	90.3	109.0	155.7	202.4	221.0	239.7	569.7
85°	18.7	18.7	24.9	31.1	43.6	56.0	84.1	109.0	109.0	105.9	152.5
87.5°	3.1	3.1	6.2	9.3	15.6	18.7	15.6	12.5	9.3	6.2	12.5
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°	843.7	843.7	843.7	*843.7*	843.7	843.7	843.7	843.7	843.7	843.7	843.7
2.5°	834.3	837.5	837.5	*837.5*	840.6	840.6	840.6	840.6	837.5	840.6	840.6
5°	688.0	744.1	797.0	*812.6*	821.9	825.0	825.0	825.0	821.9	821.9	821.9
7.5°	678.7	675.6	672.5	*647.6*	706.7	719.2	728.5	725.4	725.4	709.8	691.1
10°	523.0	523.0	523.0	*529.3*	563.5	604.0	644.4	644.4	644.4	597.7	551.0
12.5°	488.8	507.5	523.0	*523.0*	467.0	513.7	560.4	560.4	560.4	513.7	463.9
15°	417.2	439.0	457.6	*488.8*	582.2	638.2	694.3	694.3	691.1	638.2	582.2
17.5°	526.1	519.9	510.6	*566.6*	532.4	541.7	551.0	523.0	563.5	547.9	532.4
20°	532.4	476.3	417.2	*535.5*	656.9	709.8	762.7	765.9	756.5	697.4	635.1
22.5°	501.2	572.8	641.3	*566.6*	585.3	572.8	557.3	551.0	551.0	547.9	544.8
25°	641.3	572.8	504.3	*663.1*	775.2	812.6	849.9	840.6	828.1	744.1	660.0
27.5°	591.5	660.0	725.4	*787.6*	843.7	877.9	912.2	1008.7	877.9	781.4	681.8
30°	722.3	806.3	887.3	*977.6*	1148.8	1198.6	1248.4	1223.5	1192.4	1005.6	818.8
32.5°	803.2	937.1	1067.8	*1108.3*	1211.0	1257.7	1301.3	1279.5	1242.2	996.2	750.3
35°	893.5	1018.0	1139.4	*1204.8*	1329.4	1366.7	1401.0	1366.7	1326.2	986.9	647.6
37.5°	943.3	1111.4	1276.4	*1388.5*	1494.4	1503.7	1509.9	1478.8	1425.9	986.9	547.9
40°	1058.5	1239.1	1416.5	*1578.4*	1662.5	1665.6	1668.7	1618.9	1522.4	977.6	429.6
42.5°	1211.0	1394.7	1575.3	*1752.8*	1864.8	1855.5	1843.0	1774.5	1615.8	962.0	308.2
45°	1429.0	1590.9	1752.8	*1952.0*	2089.0	2064.1	2036.1	1933.3	1681.1	946.4	208.6
47.5°	1662.5	1790.1	1914.6	*2188.6*	2362.9	2310.0	2254.0	2104.5	1727.8	940.2	149.4
50°	1933.3	2036.1	2138.8	*2437.7*	2646.3	2546.6	2447.0	2275.8	1746.5	934.0	118.3
52.5°	2173.0	2278.9	2381.6	*2730.3*	2889.1	2777.0	2664.9	2409.6	1737.2	921.5	102.7
55°	2459.5	2552.9	2646.3	*3010.5*	3138.1	2988.7	2836.2	2506.2	1690.5	893.5	93.4
57.5°	2745.9	2842.4	2935.8	*3290.7*	3328.1	3181.7	3032.3	2599.6	1643.8	865.5	84.1
60°	3013.6	3122.6	3231.5	*3480.6*	3508.6	3377.9	3247.1	2689.8	1569.1	821.9	74.7
62.5°	3200.4	3349.8	3499.3	*3667.4*	3679.8	3561.5	3440.1	2758.3	1472.6	772.1	68.5
65°	3340.5	3546.0	3748.3	*3851.1*	3844.8	3760.8	3676.7	2817.5	1394.7	725.4	56.0
67.5°	3449.5	3698.5	3947.6	*4016.1*	4031.6	3953.8	3876.0	2826.8	1298.2	672.5	43.6
70°	3552.2	3826.2	4100.1	*4230.9*	4199.8	4078.3	3956.9	2755.2	1167.5	600.9	31.1
72.5°	*3636.3*	*3922.7*	*4209.1*	*4358.5*	*4283.8*	*4025.4*	*3767.0*	*2512.4*	*977.6*	*501.2*	*21.8*
75°	3636.3	3922.7	4206.0	*4333.6*	4078.3	3564.7	3047.9	1871.1	572.8	295.8	18.7
77.5°	3156.8	3365.4	3574.0	*3555.3*	3107.0	2468.8	1827.5	1077.2	193.0	105.9	15.6
80°	1992.5	2129.5	2266.4	*2197.9*	1587.8	1139.4	688.0	361.1	68.5	40.5	12.5
82.5°	899.7	884.2	868.6	*669.3*	311.3	208.6	102.7	62.3	18.7	12.5	6.2
85°	199.2	193.0	186.8	*137.0*	93.4	62.3	31.1	18.7	9.3	9.3	6.2
87.5°	18.7	21.8	21.8	*15.6*	15.6	12.5	6.2	6.2	6.2	6.2	6.2
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°	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7
2.5°	840.6	840.6	840.6	837.5	837.5	837.5	815.7	790.8	775.2	756.5	747.2
5°	793.9	765.9	731.6	697.4	691.1	681.8	684.9	684.9	688.0	688.0	688.0
7.5°	675.6	660.0	666.2	672.5	672.5	672.5	672.5	669.3	666.2	663.1	632.0
10°	538.6	526.1	526.1	526.1	535.5	541.7	526.1	507.5	535.5	560.4	554.2
12.5°	495.0	526.1	485.7	442.1	448.3	451.4	451.4	448.3	435.9	423.4	379.8
15°	516.8	451.4	414.1	373.6	373.6	373.6	302.0	230.4	214.8	199.2	202.4
17.5°	495.0	457.6	414.1	367.4	277.1	183.7	174.3	161.9	161.9	161.9	165.0
20°	498.1	361.1	305.1	249.1	199.2	146.3	137.0	124.5	118.3	109.0	127.6
22.5°	488.8	429.6	292.6	155.7	137.0	118.3	109.0	96.5	112.1	127.6	127.6
25°	473.2	283.3	211.7	137.0	115.2	93.4	105.9	115.2	109.0	99.6	115.2
27.5°	476.3	267.7	183.7	99.6	105.9	109.0	102.7	93.4	102.7	109.0	102.7
30°	513.7	208.6	155.7	99.6	96.5	90.3	93.4	96.5	93.4	87.2	93.4
32.5°	457.6	165.0	130.8	93.4	90.3	87.2	84.1	80.9	84.1	84.1	84.1
35°	386.0	124.5	105.9	87.2	80.9	74.7	74.7	71.6	71.6	71.6	71.6
37.5°	326.9	105.9	93.4	77.8	71.6	65.4	62.3	56.0	56.0	52.9	52.9
40°	264.6	96.5	84.1	68.5	62.3	52.9	49.8	43.6	43.6	40.5	40.5
42.5°	199.2	87.2	74.7	59.2	52.9	43.6	37.4	31.1	31.1	28.0	28.0
45°	143.2	77.8	65.4	49.8	43.6	34.2	28.0	21.8	21.8	18.7	18.7
47.5°	112.1	71.6	59.2	43.6	34.2	24.9	21.8	15.6	15.6	15.6	15.6
50°	90.3	62.3	49.8	34.2	24.9	15.6	12.5	9.3	9.3	9.3	9.3
52.5°	80.9	56.0	43.6	28.0	21.8	12.5	9.3	6.2	9.3	9.3	9.3
55°	71.6	49.8	37.4	21.8	15.6	9.3	9.3	6.2	9.3	9.3	9.3
57.5°	65.4	43.6	31.1	15.6	12.5	6.2	6.2	3.1	6.2	6.2	6.2
60°	56.0	37.4	24.9	12.5	9.3	3.1	3.1	3.1	6.2	6.2	6.2
62.5°	49.8	31.1	21.8	9.3	6.2	3.1	3.1	3.1	6.2	6.2	6.2
65°	40.5	21.8	15.6	6.2	6.2	3.1	3.1	3.1	6.2	6.2	6.2
67.5°	31.1	15.6	12.5	6.2	6.2	3.1	3.1	3.1	6.2	6.2	3.1
70°	21.8	12.5	9.3	3.1	3.1	3.1	3.1	3.1	6.2	6.2	3.1
72.5°	*15.6*	*9.3*	*6.2*	*3.1*	*3.1*	*0.0*	*3.1*	*3.1*	*6.2*	*6.2*	*6.2*
75°	15.6	9.3	6.2	3.1	3.1	0.0	3.1	6.2	6.2	6.2	6.2
77.5°	12.5	6.2	6.2	3.1	3.1	0.0	3.1	6.2	6.2	6.2	6.2
80°	9.3	6.2	6.2	3.1	3.1	0.0	6.2	9.3	9.3	9.3	6.2
82.5°	6.2	6.2	6.2	3.1	3.1	0.0	6.2	9.3	9.3	9.3	6.2
85°	6.2	6.2	6.2	6.2	3.1	0.0	6.2	9.3	9.3	9.3	9.3
87.5°	6.2	6.2	6.2	6.2	6.2	3.1	9.3	12.5	12.5	9.3	9.3
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°	843.7	843.7	843.7	843.7
2.5°	734.7	734.7	731.6	741.0
5°	688.0	688.0	688.0	691.1
7.5°	597.7	575.9	554.2	557.3
10°	544.8	538.6	529.3	535.5
12.5°	336.2	317.6	295.8	286.4
15°	205.5	205.5	205.5	202.4
17.5°	168.1	155.7	140.1	143.2
20°	146.3	149.4	152.5	152.5
22.5°	127.6	121.4	115.2	115.2
25°	127.6	127.6	127.6	127.6
27.5°	96.5	96.5	93.4	93.4
30°	99.6	99.6	96.5	93.4
32.5°	80.9	80.9	80.9	80.9
35°	68.5	65.4	62.3	62.3
37.5°	52.9	49.8	46.7	46.7
40°	37.4	37.4	34.2	34.2
42.5°	28.0	28.0	24.9	24.9
45°	18.7	18.7	18.7	18.7
47.5°	12.5	12.5	12.5	12.5
50°	9.3	9.3	9.3	9.3
52.5°	9.3	9.3	6.2	6.2
55°	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	6.2	6.2
60°	6.2	6.2	3.1	3.1
62.5°	3.1	3.1	3.1	3.1
65°	3.1	3.1	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°	*3.1*	*3.1*	*0.0*	*0.0*
75°	3.1	3.1	0.0	0.0
77.5°	3.1	3.1	0.0	0.0
80°	3.1	3.1	0.0	0.0
82.5°	3.1	3.1	3.1	0.0
85°	6.2	6.2	3.1	0.0
87.5°	6.2	6.2	3.1	0.0
90°	0.0	0.0	0.0	0.0

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