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: P560746

Luminaire Tested: **SDL-PA1-60-740-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560746
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-10)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-60-740-U-T4W-HSS
Description:	Springdale
	(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5429.2 lumens
Efficiency:	N/A
Efficacy:	87.0 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):	62.4
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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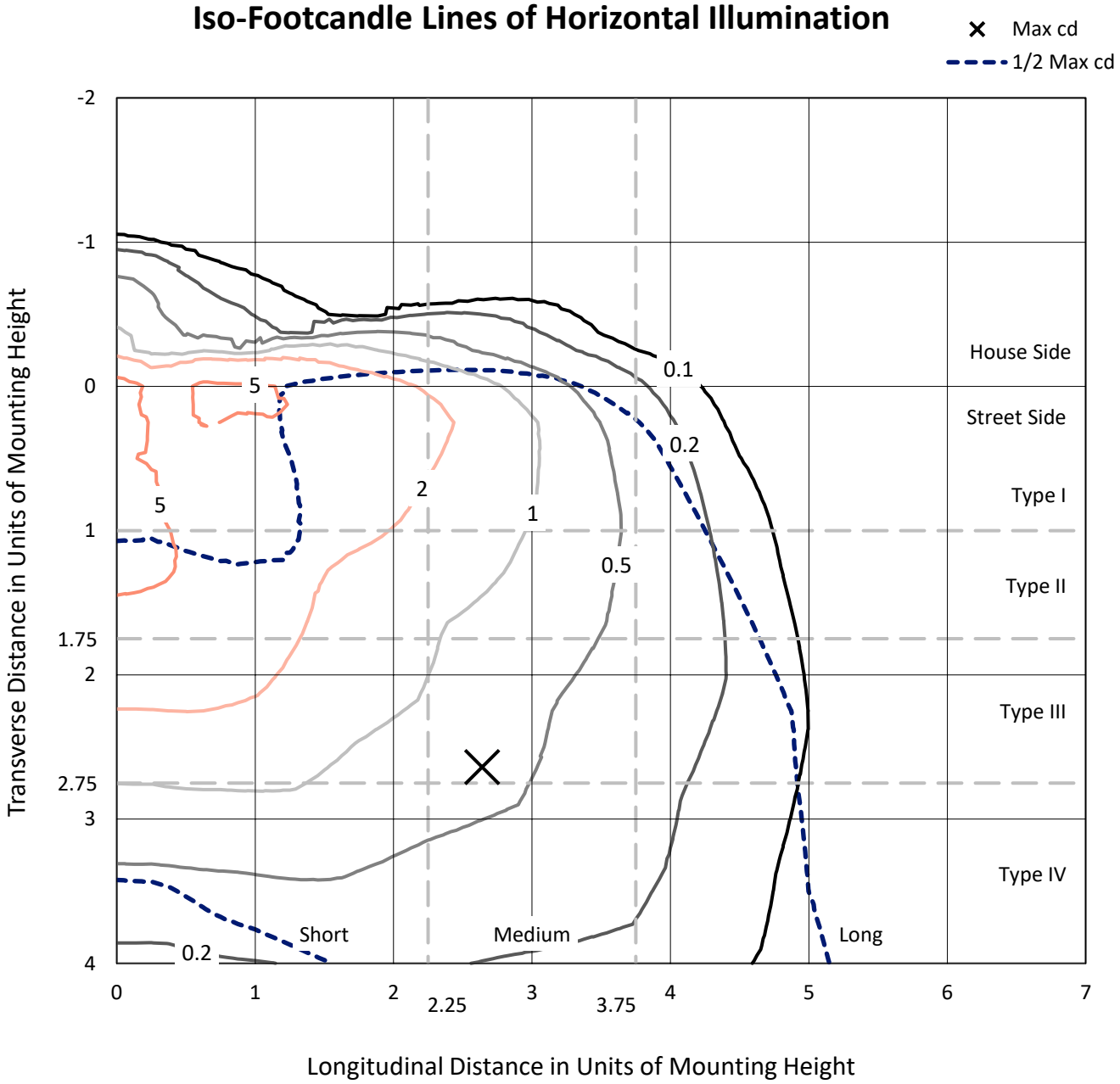
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
Type IV - Medium - N/A

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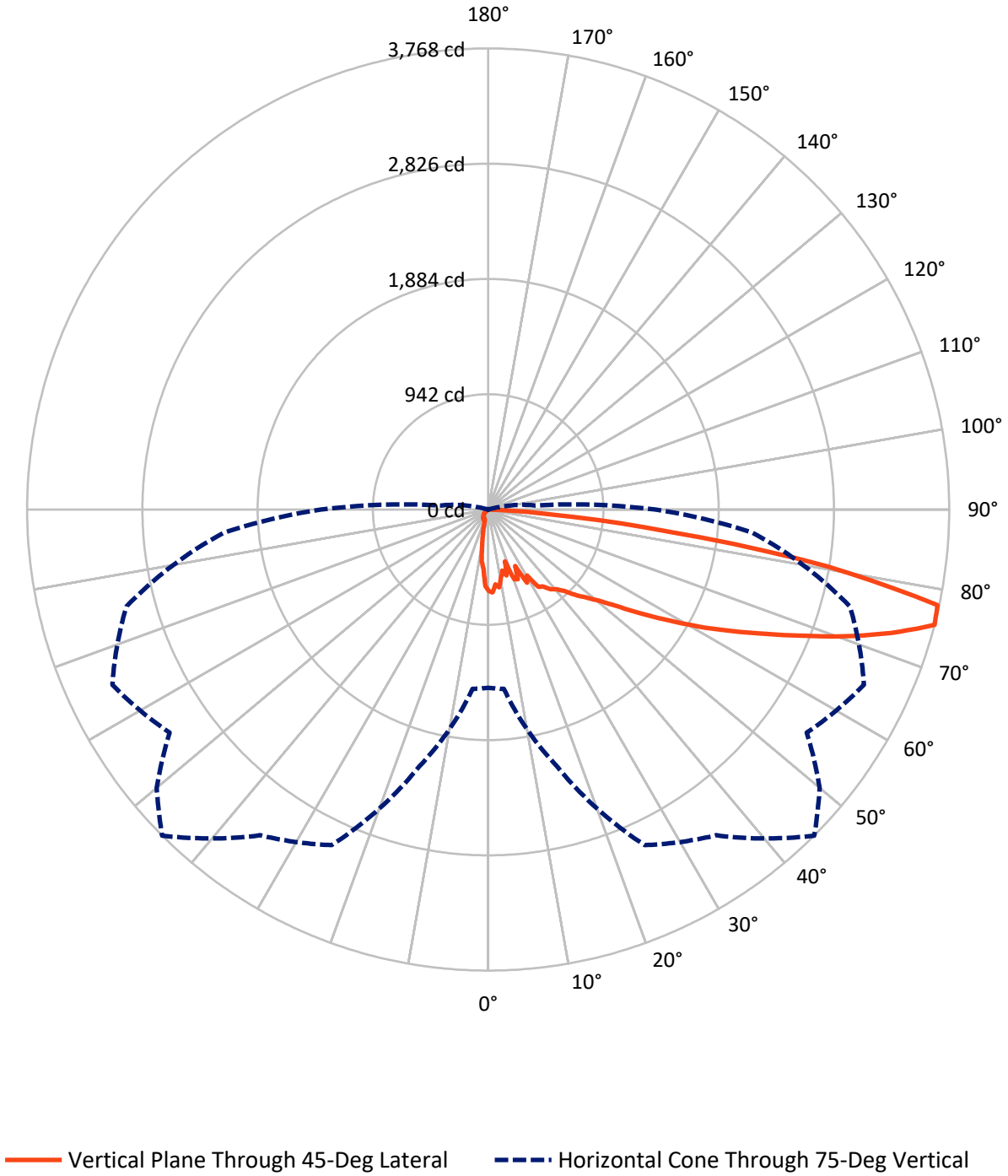
Luminous Intensity Polar Plot



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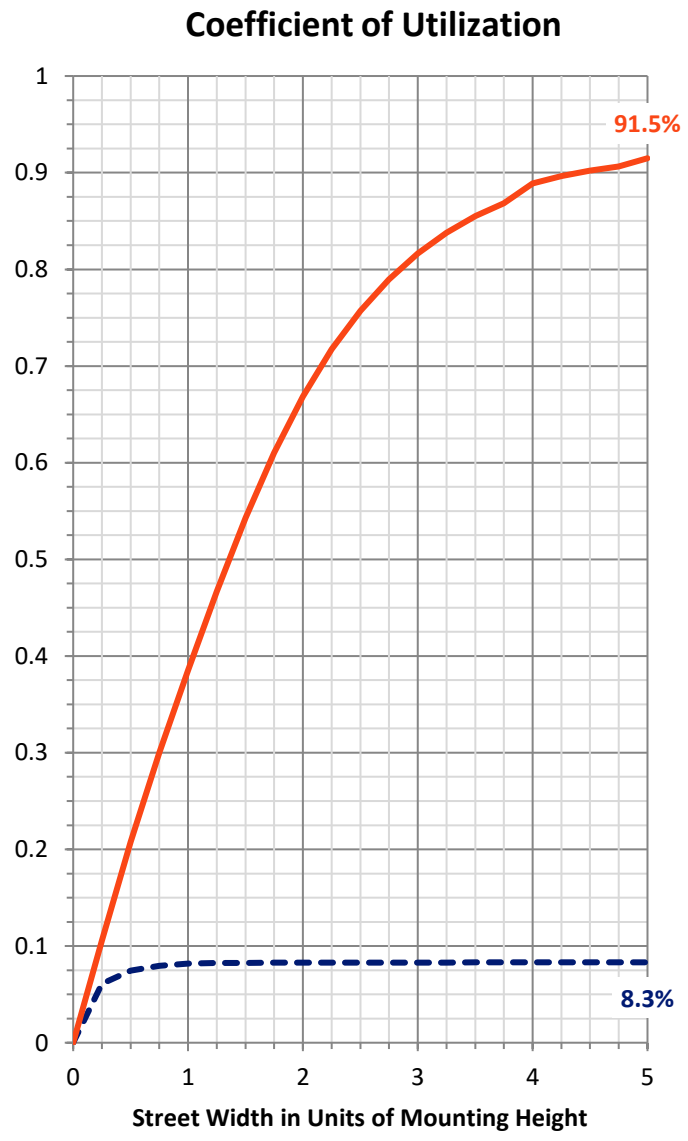
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	455.8	0.0	455.8
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4973.4	0.0	4973.4
	% Fixture	91.6	0.0	91.6
Total	Lumens	5429.2	0.0	5429.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	1.0
10°-20°	113.6	2.1
20°-30°	192.2	3.5
30°-40°	353.9	6.5
40°-50°	580.8	10.7
50°-60°	1033.6	19.0
60°-70°	1546.6	28.5
70°-80°	1377.0	25.4
80°-90°	179.9	3.3
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°	5429.2	100.0
0°-180°	5429.2	100.0



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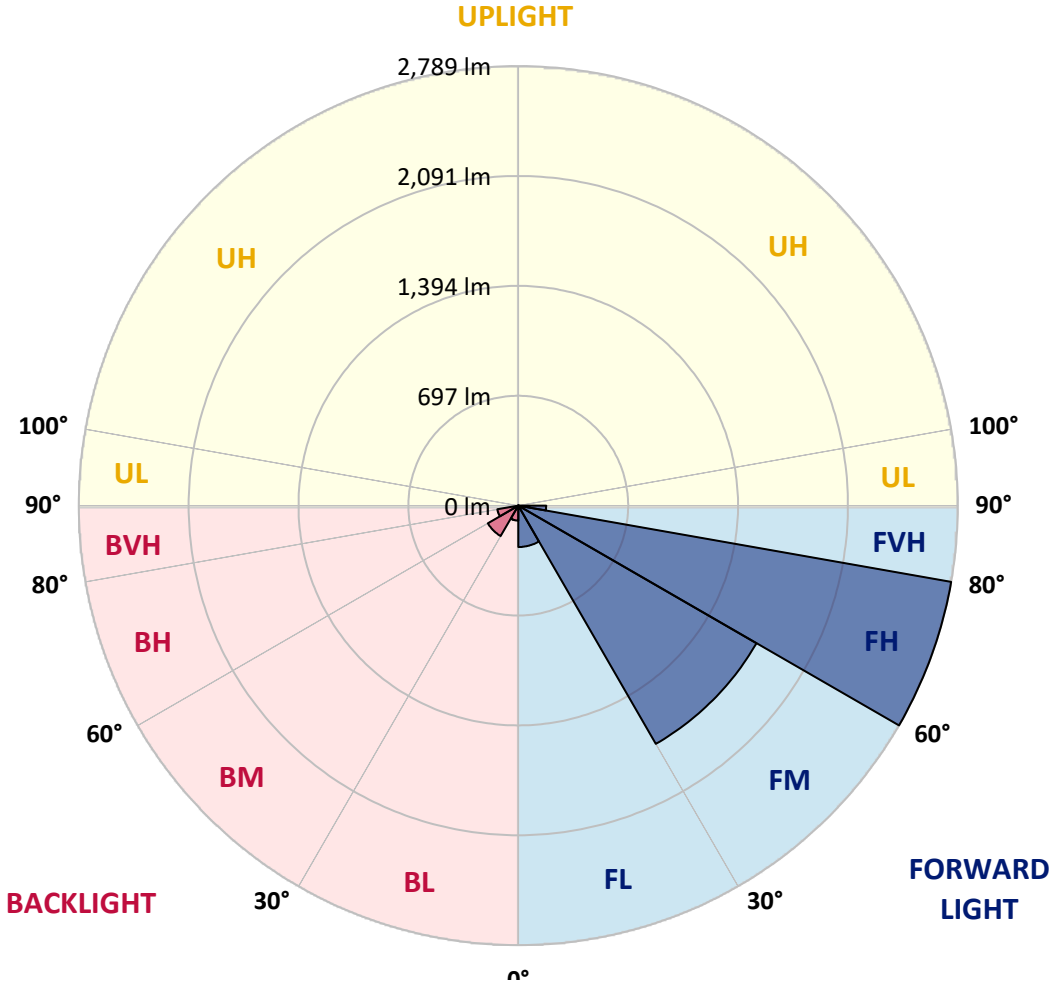
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	262.4	4.8			
FM	(30°-60°)	1745.3	32.1			
FH	(60°-80°)	2788.6	51.4			G2/5000
FVH	(80°-90°)	177.1	3.3			G2/225
BL	(0°-30°)	95.1	1.8	B0/110		
BM	(30°-60°)	223.0	4.1	B1/1000		
BH	(60°-80°)	135.0	2.5	B1/500		G1/500
BVH	(80°-90°)	2.8	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°	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	*665.7*	665.7
2.5°	619.3	665.7	671.2	673.9	679.3	682.1	682.1	682.1	682.1	*679.3*	679.3
5°	654.8	652.1	649.3	646.6	643.9	638.4	633.0	624.8	619.3	*613.9*	608.4
7.5°	641.1	643.9	652.1	657.5	654.8	652.1	657.5	660.2	652.1	*641.1*	630.2
10°	747.5	742.1	736.6	731.2	723.0	714.8	649.3	583.8	578.4	*570.2*	564.8
12.5°	654.8	736.6	736.6	736.6	736.6	736.6	693.0	649.3	581.1	*512.9*	433.8
15°	818.5	815.8	804.8	793.9	720.3	643.9	602.9	562.0	562.0	*559.3*	526.6
17.5°	679.3	679.3	733.9	785.7	755.7	725.7	668.4	611.1	529.3	*444.7*	477.4
20°	859.4	859.4	848.5	837.6	712.1	586.6	592.0	597.5	602.9	*608.4*	504.7
22.5°	706.6	701.2	695.7	690.3	703.9	717.5	605.7	491.1	556.6	*619.3*	482.9
25°	862.1	870.3	864.9	856.7	744.8	633.0	657.5	679.3	594.8	*510.2*	592.0
27.5°	739.4	731.2	720.3	706.6	714.8	723.0	671.2	616.6	646.6	*676.6*	542.9
30°	905.8	908.5	903.1	897.6	791.2	684.8	682.1	676.6	652.1	*624.8*	611.1
32.5°	1121.3	1099.5	1023.1	946.7	881.2	815.8	763.9	712.1	733.9	*753.0*	679.3
35°	1225.0	1184.1	1151.3	1115.9	1006.7	894.9	832.1	766.6	769.4	*772.1*	742.1
37.5°	1325.9	1265.9	1225.0	1184.1	1053.1	922.2	853.9	785.7	807.6	*826.7*	793.9
40°	1361.4	1328.7	1304.1	1279.6	1140.4	998.5	919.4	837.6	848.5	*856.7*	845.8
42.5°	1451.4	1446.0	1432.3	1416.0	1249.5	1080.4	984.9	889.4	900.3	*908.5*	903.1
45°	1667.0	1658.8	1658.8	1656.1	1440.5	1222.3	1096.8	971.3	982.2	*993.1*	987.6
47.5°	1945.3	1931.6	1915.2	1896.1	1667.0	1435.1	1255.0	1072.2	1072.2	*1072.2*	1080.4
50°	2237.2	2218.1	2182.6	2144.4	1912.5	1680.6	1451.4	1222.3	1197.7	*1170.4*	1200.4
52.5°	2540.0	2507.3	2447.3	2384.5	2179.9	1975.3	1716.1	1454.2	1380.5	*1304.1*	1342.3
55°	2703.7	2668.2	2627.3	2583.7	2417.2	2248.1	1983.5	1718.8	1604.2	*1486.9*	1527.8
57.5°	2837.4	2829.2	2810.1	2791.0	2662.8	2534.6	2269.9	2002.6	1847.0	*1691.5*	1727.0
60°	3020.2	3009.3	3017.5	3025.7	2927.4	2829.2	2578.2	2324.5	2125.3	*1923.4*	1912.5
62.5°	3156.6	3153.9	3194.8	3235.7	3183.9	3129.3	2848.3	2564.6	2370.9	*2174.4*	2119.9
65°	3031.1	3066.6	3219.4	3372.1	3364.0	3353.0	3091.1	2826.5	2635.5	*2441.8*	2370.9
67.5°	2766.5	2782.8	3009.3	3233.0	3331.2	3426.7	3241.2	3052.9	2902.9	*2750.1*	2619.1
70°	2518.2	2553.7	2752.8	2952.0	3205.7	3459.4	3312.1	3164.8	3134.8	*3102.0*	2932.9
72.5°	2278.1	2340.9	2526.4	2711.9	3050.2	3385.8	3298.5	3211.2	3328.5	*3445.8*	3243.9
75°	*1456.9*	*1470.5*	*1822.5*	*2171.7*	*2600.0*	*3025.7*	*3137.5*	*3249.4*	*3508.6*	*3767.7*	*3535.8*
77.5°	425.6	472.0	736.6	1001.3	1492.4	1980.7	2362.7	2744.6	3249.4	*3754.1*	3470.4
80°	144.6	155.5	193.7	229.2	491.1	753.0	1195.0	1634.2	2220.8	*2807.4*	2608.2
82.5°	70.9	73.7	92.8	109.1	166.4	223.7	450.2	673.9	1088.6	*1500.5*	1536.0
85°	21.8	21.8	32.7	43.7	70.9	98.2	169.2	237.4	376.5	*512.9*	433.8
87.5°	5.5	5.5	8.2	10.9	16.4	21.8	21.8	21.8	16.4	*10.9*	13.6
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7
2.5°	682.1	682.1	682.1	679.3	673.9	671.2	665.7	660.2	654.8	652.1	646.6
5°	600.2	635.7	668.4	671.2	671.2	663.0	654.8	646.6	638.4	630.2	622.0
7.5°	616.6	597.5	578.4	581.1	583.8	581.1	575.7	562.0	551.1	529.3	504.7
10°	493.8	480.2	463.8	469.3	474.7	488.4	502.0	491.1	474.7	433.8	390.1
12.5°	485.6	482.9	477.4	436.5	392.9	414.7	433.8	422.9	406.5	365.6	321.9
15°	414.7	417.4	417.4	458.3	499.3	515.6	529.3	515.6	496.5	442.0	384.7
17.5°	534.7	507.5	480.2	463.8	444.7	450.2	455.6	395.6	414.7	379.2	341.0
20°	553.8	463.8	373.8	447.4	521.1	545.7	570.2	556.6	532.0	444.7	354.7
22.5°	504.7	537.5	570.2	523.8	477.4	447.4	414.7	401.1	384.7	346.5	308.3
25°	624.8	534.7	442.0	529.3	613.9	619.3	624.8	600.2	572.9	463.8	354.7
27.5°	559.3	589.3	616.6	635.7	654.8	679.3	703.9	676.6	611.1	482.9	351.9
30°	665.7	706.6	747.5	810.3	873.0	892.1	908.5	878.5	826.7	611.1	392.9
32.5°	695.7	777.6	859.4	884.0	905.8	930.3	954.9	930.3	867.6	605.7	341.0
35°	777.6	834.9	889.4	927.6	965.8	987.6	1009.5	993.1	908.5	597.5	286.5
37.5°	802.1	878.5	952.2	995.8	1036.7	1055.8	1072.2	1072.2	952.2	592.0	229.2
40°	840.3	935.8	1031.3	1072.2	1110.4	1140.4	1167.7	1178.6	1001.3	589.3	174.6
42.5°	916.7	1001.3	1085.9	1151.3	1214.1	1257.7	1301.4	1309.6	1058.6	597.5	133.7
45°	998.5	1088.6	1178.6	1265.9	1353.2	1416.0	1476.0	1470.5	1126.8	619.3	109.1
47.5°	1115.9	1200.4	1285.0	1432.3	1576.9	1637.0	1694.3	1656.1	1197.7	646.6	95.5
50°	1235.9	1339.6	1443.3	1631.5	1817.0	1871.6	1923.4	1844.3	1265.9	679.3	90.0
52.5°	1391.4	1514.2	1637.0	1852.5	2068.0	2117.1	2166.2	2005.3	1317.8	701.2	84.6
55°	1574.2	1732.5	1890.7	2095.3	2297.2	2354.5	2411.8	2163.5	1342.3	712.1	81.8
57.5°	1795.2	1978.0	2158.1	2346.3	2531.8	2611.0	2687.3	2319.0	1353.2	714.8	76.4
60°	2010.7	2212.6	2414.5	2575.5	2736.5	2859.2	2979.3	2471.8	1347.8	709.4	68.2
62.5°	2209.9	2433.6	2654.6	2804.7	2954.7	3102.0	3249.4	2594.6	1312.3	684.8	54.6
65°	2417.2	2654.6	2889.2	3020.2	3151.2	3342.1	3530.4	2701.0	1263.2	652.1	38.2
67.5°	2605.5	2831.9	3058.4	3205.7	3353.0	3541.3	3726.8	2728.3	1192.3	611.1	27.3
70°	2763.7	3009.3	3252.1	3402.2	3552.2	3647.7	3740.5	2608.2	1050.4	534.7	19.1
72.5°	2982.0	3203.0	3421.3	3497.6	3571.3	3404.9	3235.7	2174.4	788.5	403.8	16.4
75°	*3178.4*	*3284.8*	*3388.5*	*3224.8*	*3061.1*	*2613.7*	*2166.2*	*1369.6*	*384.7*	*201.9*	*16.4*
77.5°	2979.3	2922.0	2864.7	2362.7	1858.0	1380.5	900.3	537.5	120.0	65.5	10.9
80°	2158.1	1896.1	1631.5	1129.5	624.8	417.4	207.3	120.0	30.0	19.1	8.2
82.5°	1162.2	897.6	630.2	406.5	182.8	122.8	60.0	40.9	13.6	10.9	5.5
85°	420.2	332.8	242.8	188.3	133.7	79.1	21.8	13.6	8.2	8.2	5.5
87.5°	38.2	43.7	49.1	38.2	24.6	16.4	5.5	5.5	5.5	5.5	2.7
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°	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7
2.5°	643.9	641.1	638.4	633.0	630.2	627.5	608.4	589.3	567.5	545.7	545.7
5°	586.6	551.1	532.0	512.9	499.3	485.6	482.9	477.4	472.0	466.5	463.8
7.5°	491.1	477.4	466.5	455.6	442.0	428.3	414.7	401.1	390.1	379.2	354.7
10°	368.3	346.5	330.1	313.8	305.6	294.7	278.3	259.2	259.2	259.2	256.5
12.5°	319.2	316.5	275.6	231.9	218.3	204.6	201.9	199.2	193.7	185.5	174.6
15°	316.5	245.5	210.1	171.9	163.7	152.8	136.4	117.3	114.6	109.1	122.8
17.5°	286.5	231.9	191.0	150.1	120.0	90.0	95.5	98.2	111.9	122.8	131.0
20°	259.2	163.7	136.4	106.4	98.2	87.3	92.8	98.2	95.5	90.0	103.7
22.5°	242.8	174.6	128.2	81.8	87.3	92.8	87.3	79.1	92.8	106.4	114.6
25°	234.6	111.9	100.9	87.3	81.8	76.4	87.3	95.5	90.0	84.6	100.9
27.5°	231.9	111.9	95.5	76.4	81.8	87.3	84.6	79.1	90.0	98.2	95.5
30°	248.3	100.9	90.0	79.1	76.4	73.7	79.1	84.6	84.6	81.8	95.5
32.5°	221.0	100.9	90.0	76.4	76.4	73.7	73.7	73.7	81.8	90.0	95.5
35°	191.0	92.8	84.6	73.7	70.9	68.2	70.9	70.9	79.1	84.6	95.5
37.5°	158.2	87.3	79.1	68.2	65.5	62.8	62.8	60.0	68.2	76.4	84.6
40°	128.2	81.8	73.7	62.8	60.0	57.3	57.3	57.3	62.8	65.5	70.9
42.5°	106.4	76.4	68.2	57.3	54.6	51.8	51.8	49.1	51.8	54.6	57.3
45°	92.8	73.7	65.5	54.6	51.8	46.4	43.7	40.9	40.9	40.9	40.9
47.5°	81.8	68.2	62.8	54.6	49.1	40.9	38.2	32.7	30.0	27.3	24.6
50°	76.4	62.8	57.3	49.1	43.7	35.5	30.0	24.6	21.8	16.4	16.4
52.5°	70.9	57.3	51.8	43.7	35.5	27.3	21.8	13.6	13.6	10.9	10.9
55°	68.2	54.6	46.4	38.2	30.0	19.1	13.6	8.2	8.2	5.5	5.5
57.5°	65.5	51.8	43.7	32.7	21.8	10.9	8.2	5.5	5.5	5.5	5.5
60°	57.3	46.4	35.5	21.8	13.6	5.5	5.5	2.7	5.5	5.5	5.5
62.5°	46.4	35.5	24.6	13.6	8.2	2.7	2.7	2.7	5.5	5.5	5.5
65°	32.7	24.6	16.4	8.2	5.5	2.7	2.7	2.7	2.7	2.7	2.7
67.5°	24.6	19.1	13.6	5.5	5.5	2.7	2.7	2.7	2.7	2.7	2.7
70°	16.4	13.6	10.9	5.5	5.5	2.7	2.7	2.7	2.7	2.7	2.7
72.5°	13.6	10.9	8.2	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7
75°	*13.6*	*10.9*	*8.2*	*2.7*	*2.7*	*0.0*	*2.7*	*2.7*	*2.7*	*2.7*	*2.7*
77.5°	10.9	8.2	5.5	2.7	2.7	0.0	2.7	5.5	5.5	5.5	5.5
80°	8.2	5.5	5.5	2.7	2.7	0.0	2.7	5.5	5.5	5.5	5.5
82.5°	5.5	5.5	5.5	2.7	2.7	0.0	5.5	8.2	8.2	5.5	5.5
85°	5.5	2.7	2.7	2.7	2.7	2.7	5.5	8.2	8.2	8.2	5.5
87.5°	2.7	2.7	2.7	2.7	2.7	2.7	5.5	8.2	8.2	8.2	5.5
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):

	165°	170°	175°	180°
0°	665.7	665.7	665.7	665.7
2.5°	542.9	542.9	540.2	540.2
5°	458.3	458.3	455.6	455.6
7.5°	330.1	324.7	316.5	319.2
10°	253.7	248.3	242.8	248.3
12.5°	163.7	166.4	166.4	158.2
15°	133.7	144.6	152.8	152.8
17.5°	139.1	139.1	136.4	136.4
20°	117.3	128.2	139.1	139.1
22.5°	120.0	114.6	109.1	109.1
25°	114.6	122.8	128.2	128.2
27.5°	92.8	95.5	98.2	98.2
30°	106.4	111.9	114.6	114.6
32.5°	100.9	106.4	109.1	111.9
35°	103.7	109.1	111.9	111.9
37.5°	92.8	95.5	98.2	98.2
40°	73.7	76.4	79.1	79.1
42.5°	57.3	57.3	54.6	57.3
45°	38.2	38.2	35.5	38.2
47.5°	21.8	21.8	21.8	21.8
50°	13.6	13.6	13.6	13.6
52.5°	8.2	8.2	8.2	8.2
55°	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	2.7	2.7
60°	2.7	2.7	2.7	2.7
62.5°	2.7	2.7	0.0	0.0
65°	0.0	0.0	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°	0.0	0.0	0.0	0.0
75°	*2.7*	*2.7*	*0.0*	*0.0*
77.5°	2.7	2.7	0.0	0.0
80°	2.7	2.7	0.0	0.0
82.5°	2.7	2.7	0.0	0.0
85°	2.7	2.7	2.7	0.0
87.5°	2.7	2.7	2.7	0.0
90°	0.0	0.0	0.0	0.0

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