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: P560742

Luminaire Tested: **SDL-PA1-60-740-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560742
	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-PA1-60-740-U-T3-HSS
Description:	Springdale
	(1) 70 CRI, 4000K, 800mA 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:	5557.1 lumens
Efficiency:	N/A
Efficacy:	89.1 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 - 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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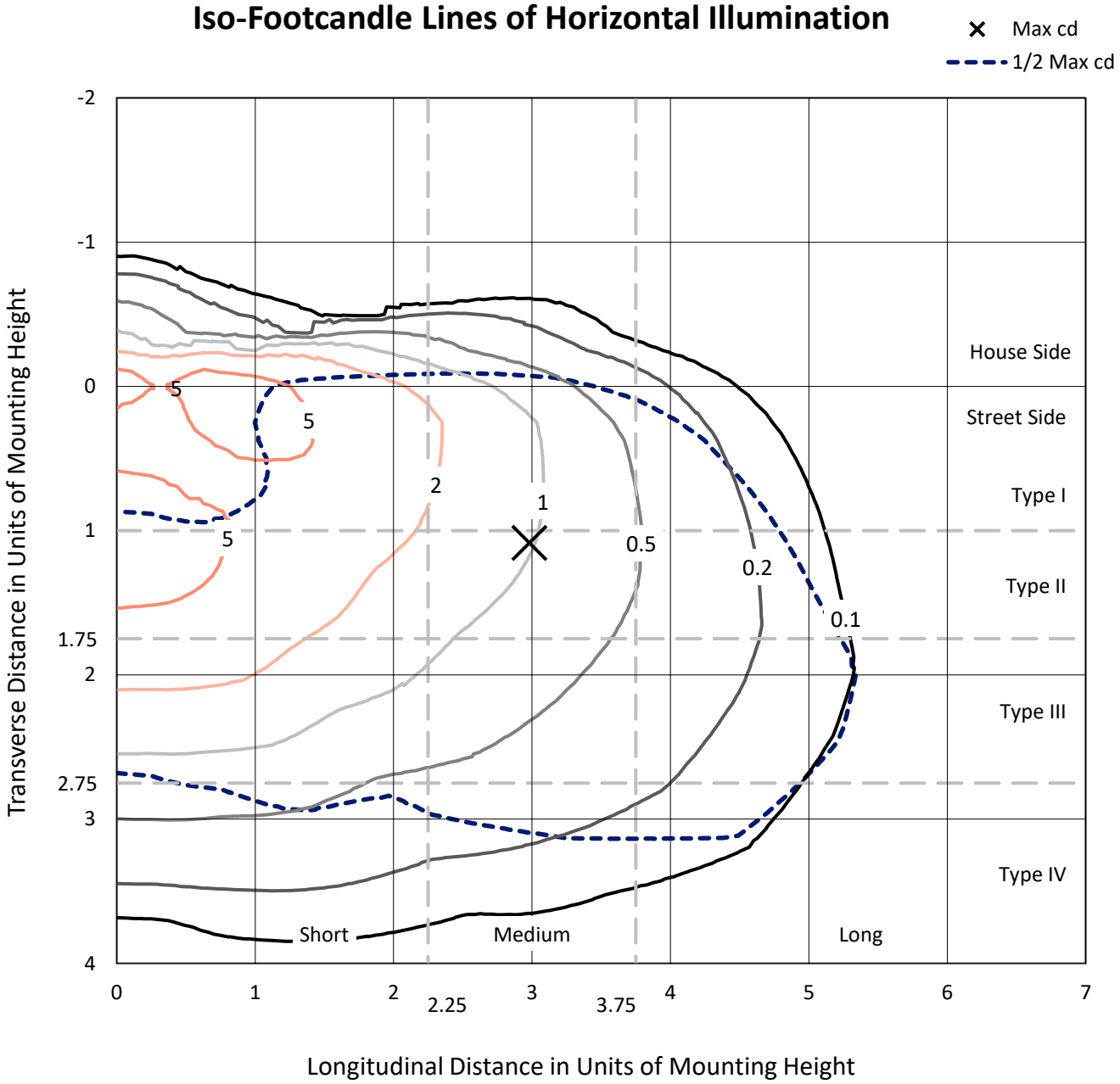
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
Type IV - Medium - N/A

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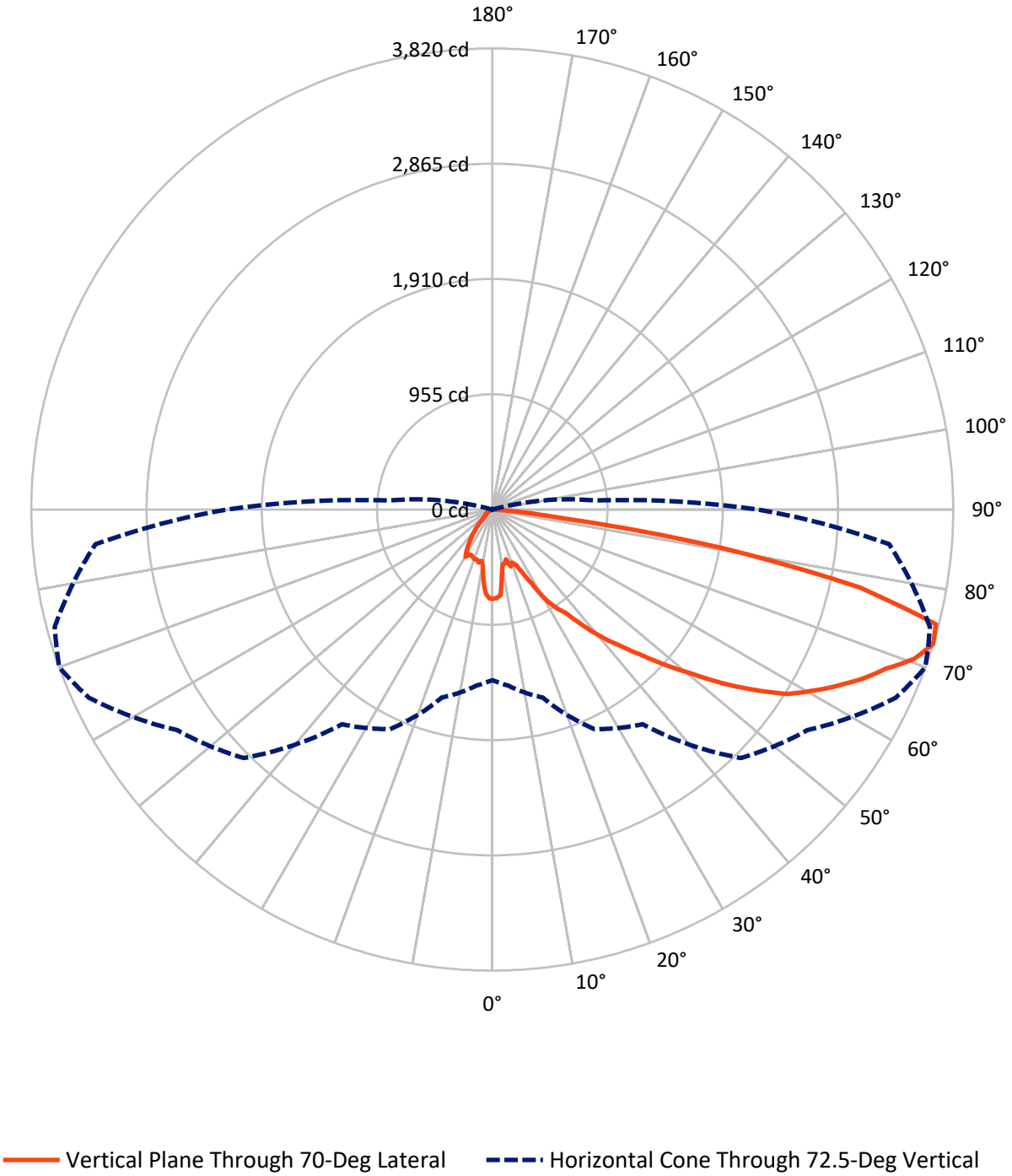
Luminous Intensity Polar Plot



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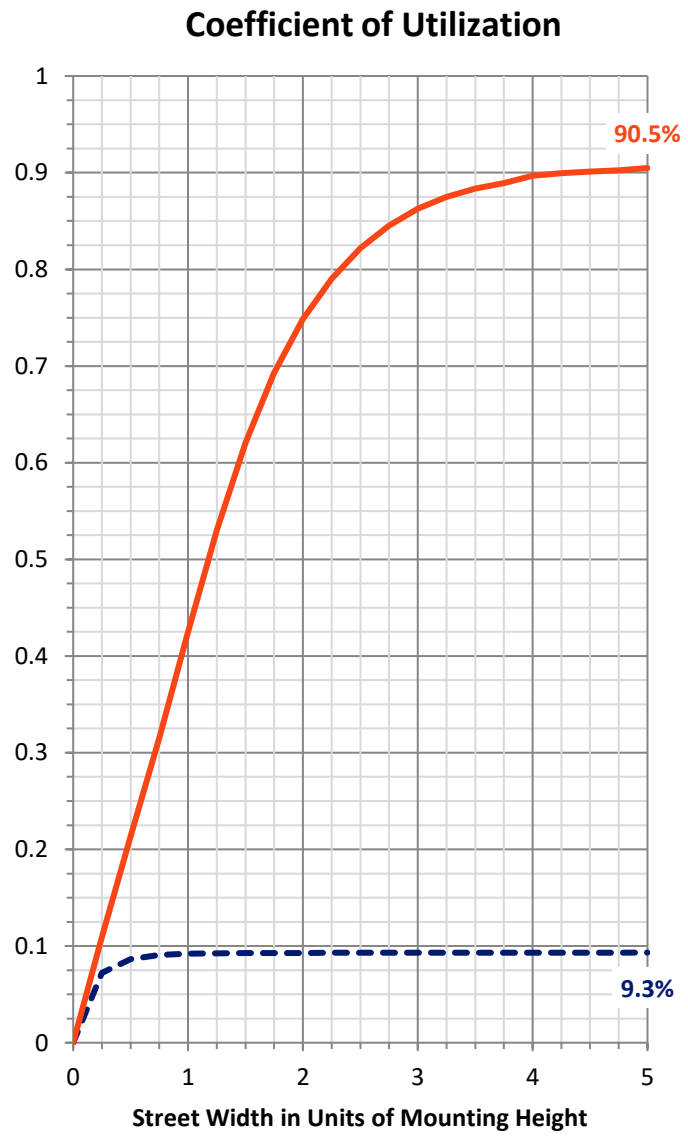
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	523.9	0.0	523.9
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	5033.2	0.0	5033.2
	% Fixture	90.6	0.0	90.6
Total	Lumens	5557.1	0.0	5557.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.9	1.0
10°-20°	113.8	2.0
20°-30°	185.4	3.3
30°-40°	395.6	7.1
40°-50°	762.3	13.7
50°-60°	1260.7	22.7
60°-70°	1543.2	27.8
70°-80°	1130.6	20.3
80°-90°	108.6	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°	5557.1	100.0
0°-180°	5557.1	100.0



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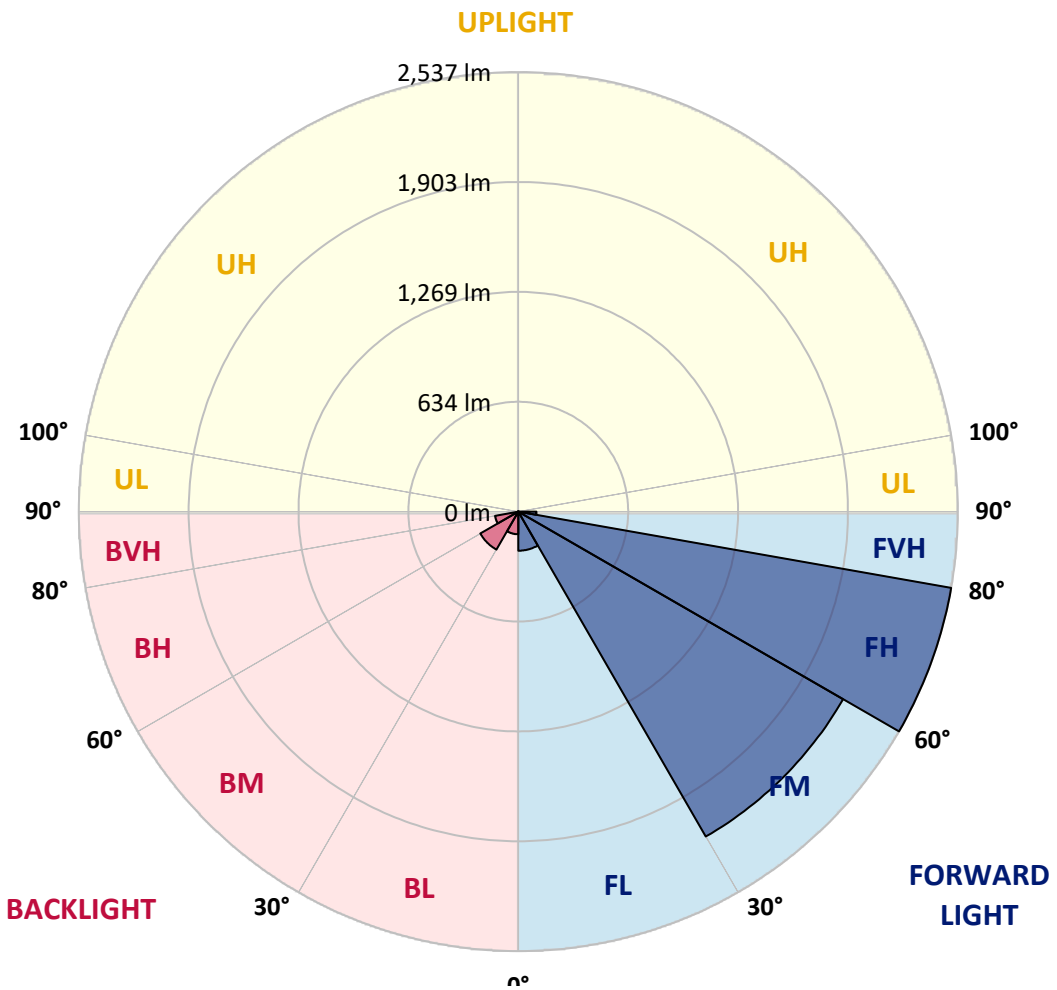
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	225.6	4.1			
FM	(30°-60°)	2165.4	39.0			
FH	(60°-80°)	2537.3	45.7			G2/5000
FVH	(80°-90°)	104.7	1.9			G2/225
BL	(0°-30°)	130.5	2.3	B1/500		
BM	(30°-60°)	253.2	4.6	B1/1000		
BH	(60°-80°)	136.4	2.5	B1/500		G1/500
BVH	(80°-90°)	3.8	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°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5
2.5°	657.7	676.8	687.7	698.6	695.9	693.1	698.6	704.0	715.0	723.1	728.6
5°	592.2	592.2	592.2	592.2	594.9	594.9	594.9	594.9	597.6	600.4	603.1
7.5°	513.0	523.9	529.4	534.9	548.5	559.4	570.3	581.2	586.7	589.4	592.2
10°	556.7	556.7	556.7	556.7	559.4	559.4	523.9	485.7	488.5	491.2	474.8
12.5°	461.2	458.4	488.5	515.8	534.9	551.2	532.1	510.3	477.6	442.1	436.6
15°	543.0	543.0	543.0	543.0	504.8	466.6	439.3	412.1	433.9	453.0	409.3
17.5°	428.4	439.3	472.1	504.8	504.8	504.8	480.3	455.7	409.3	360.2	412.1
20°	532.1	532.1	532.1	529.4	466.6	403.9	425.7	444.8	463.9	483.0	474.8
22.5°	442.1	436.6	444.8	453.0	472.1	488.5	433.9	376.6	439.3	499.4	469.4
25°	559.4	559.4	562.1	562.1	502.1	442.1	477.6	510.3	463.9	417.5	491.2
27.5°	504.8	488.5	485.7	480.3	499.4	515.8	491.2	466.6	518.5	570.3	545.8
30°	701.3	701.3	682.2	663.1	589.4	513.0	521.2	526.7	526.7	526.7	581.2
32.5°	974.2	976.9	903.3	826.8	761.4	693.1	633.1	570.3	603.1	635.8	671.3
35°	1312.6	1320.8	1268.9	1214.3	1053.3	892.3	791.4	690.4	687.7	682.2	734.1
37.5°	1555.5	1571.8	1530.9	1490.0	1298.9	1107.9	963.3	818.7	805.0	788.6	807.7
40°	1784.7	1773.8	1749.2	1721.9	1520.0	1315.3	1157.0	996.0	960.6	922.4	925.1
42.5°	2082.1	2049.4	1986.6	1923.9	1730.1	1536.4	1367.2	1198.0	1140.7	1083.4	1072.4
45°	2466.9	2412.3	2322.3	2229.5	2038.5	1847.4	1640.0	1429.9	1359.0	1285.3	1268.9
47.5°	2663.4	2625.2	2567.9	2507.8	2311.3	2114.9	1915.7	1713.7	1615.5	1514.5	1487.2
50°	2895.3	2846.2	2808.0	2767.1	2597.9	2426.0	2240.4	2052.1	1921.1	1790.1	1743.7
52.5°	3116.4	3034.5	2999.0	2960.8	2827.1	2690.7	2496.9	2303.2	2218.6	2131.2	2019.4
55°	3195.5	3116.4	3100.0	3083.6	2988.1	2892.6	2715.2	2537.8	2439.6	2338.6	2248.6
57.5°	3023.6	3034.5	3083.6	3132.7	3078.2	3023.6	2879.0	2731.6	2622.4	2513.3	2461.4
60°	2906.2	2930.8	3004.5	3078.2	3078.2	3078.2	2999.0	2919.9	2816.2	2712.5	2677.0
62.5°	2718.0	2748.0	2859.9	2971.7	3042.7	3113.6	3029.0	2944.4	2909.0	2870.8	2838.0
65°	2469.6	2477.8	2603.3	2728.9	2876.2	3020.9	2941.7	2859.9	2928.1	2996.3	2963.5
67.5°	2183.1	2196.7	2314.1	2428.7	2603.3	2778.0	2756.2	2731.6	2881.7	3031.8	3029.0
70°	1842.0	1866.5	1967.5	2065.8	2262.2	2456.0	2477.8	2499.6	2758.9	3015.4	3064.5
72.5°	*1413.6*	*1462.7*	*1539.1*	*1612.8*	*1812.0*	*2008.4*	*2090.3*	*2172.2*	*2543.3*	*2911.7*	*3050.9*
75°	469.4	502.1	715.0	925.1	1127.0	1329.0	1509.1	1686.4	2150.3	2611.5	2900.8
77.5°	136.4	141.9	182.8	221.0	379.3	534.9	720.4	903.3	1356.2	1806.5	2286.8
80°	71.0	73.7	81.9	90.1	131.0	171.9	248.3	322.0	529.4	736.8	1241.6
82.5°	49.1	49.1	57.3	62.8	79.1	95.5	136.4	177.4	193.7	210.1	499.4
85°	16.4	16.4	21.8	27.3	38.2	49.1	73.7	95.5	95.5	92.8	133.7
87.5°	2.7	2.7	5.5	8.2	13.6	16.4	13.6	10.9	8.2	5.5	10.9
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°	739.5	739.5	739.5	*739.5*	739.5	739.5	739.5	739.5	739.5	739.5	739.5
2.5°	731.3	734.1	734.1	*734.1*	736.8	736.8	736.8	736.8	734.1	736.8	736.8
5°	603.1	652.2	698.6	*712.2*	720.4	723.1	723.1	723.1	720.4	720.4	720.4
7.5°	594.9	592.2	589.4	*567.6*	619.5	630.4	638.6	635.8	635.8	622.2	605.8
10°	458.4	458.4	458.4	*463.9*	493.9	529.4	564.9	564.9	564.9	523.9	483.0
12.5°	428.4	444.8	458.4	*458.4*	409.3	450.3	491.2	491.2	491.2	450.3	406.6
15°	365.7	384.8	401.1	*428.4*	510.3	559.4	608.5	608.5	605.8	559.4	510.3
17.5°	461.2	455.7	447.5	*496.7*	466.6	474.8	483.0	458.4	493.9	480.3	466.6
20°	466.6	417.5	365.7	*469.4*	575.8	622.2	668.6	671.3	663.1	611.3	556.7
22.5°	439.3	502.1	562.1	*496.7*	513.0	502.1	488.5	483.0	483.0	480.3	477.6
25°	562.1	502.1	442.1	*581.2*	679.5	712.2	745.0	736.8	725.9	652.2	578.5
27.5°	518.5	578.5	635.8	*690.4*	739.5	769.5	799.6	884.2	769.5	684.9	597.6
30°	633.1	706.8	777.7	*856.9*	1007.0	1050.6	1094.3	1072.4	1045.2	881.4	717.7
32.5°	704.0	821.4	936.0	*971.5*	1061.5	1102.5	1140.7	1121.6	1088.8	873.2	657.7
35°	783.2	892.3	998.8	*1056.1*	1165.2	1198.0	1228.0	1198.0	1162.5	865.1	567.6
37.5°	826.8	974.2	1118.8	*1217.1*	1309.9	1318.0	1323.5	1296.2	1249.8	865.1	480.3
40°	927.8	1086.1	1241.6	*1383.5*	1457.2	1459.9	1462.7	1419.0	1334.4	856.9	376.6
42.5°	1061.5	1222.5	1380.8	*1536.4*	1634.6	1626.4	1615.5	1555.5	1416.3	843.2	270.2
45°	1252.5	1394.5	1536.4	*1711.0*	1831.1	1809.2	1784.7	1694.6	1473.6	829.6	182.8
47.5°	1457.2	1569.1	1678.3	*1918.4*	2071.2	2024.8	1975.7	1844.7	1514.5	824.1	131.0
50°	1694.6	1784.7	1874.7	*2136.7*	2319.5	2232.2	2144.9	1994.8	1530.9	818.7	103.7
52.5°	1904.7	1997.5	2087.6	*2393.2*	2532.4	2434.1	2335.9	2112.1	1522.7	807.7	90.1
55°	2155.8	2237.7	2319.5	*2638.8*	2750.7	2619.7	2486.0	2196.7	1481.8	783.2	81.9
57.5°	2406.9	2491.5	2573.3	*2884.4*	2917.2	2788.9	2657.9	2278.6	1440.8	758.6	73.7
60°	2641.5	2737.1	2832.6	*3050.9*	3075.4	2960.8	2846.2	2357.7	1375.3	720.4	65.5
62.5°	2805.3	2936.3	3067.2	*3214.6*	3225.5	3121.8	3015.4	2417.8	1290.8	676.8	60.0
65°	2928.1	3108.2	3285.6	*3375.6*	3370.1	3296.5	3222.8	2469.6	1222.5	635.8	49.1
67.5°	3023.6	3241.9	3460.2	*3520.2*	3533.9	3465.7	3397.4	2477.8	1137.9	589.4	38.2
70°	3113.6	3353.8	3593.9	*3708.5*	3681.2	3574.8	3468.4	2415.0	1023.3	526.7	27.3
72.5°	*3187.3*	*3438.4*	*3689.4*	*3820.4*	*3754.9*	*3528.4*	*3301.9*	*2202.2*	*856.9*	*439.3*	*19.1*
75°	3187.3	3438.4	3686.7	*3798.6*	3574.8	3124.6	2671.6	1640.0	502.1	259.2	16.4
77.5°	2767.1	2949.9	3132.7	*3116.4*	2723.4	2164.0	1601.8	944.2	169.2	92.8	13.6
80°	1746.5	1866.5	1986.6	*1926.6*	1391.7	998.8	603.1	316.5	60.0	35.5	10.9
82.5°	788.6	775.0	761.4	*586.7*	272.9	182.8	90.1	54.6	16.4	10.9	5.5
85°	174.6	169.2	163.7	*120.1*	81.9	54.6	27.3	16.4	8.2	8.2	5.5
87.5°	16.4	19.1	19.1	*13.6*	13.6	10.9	5.5	5.5	5.5	5.5	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5
2.5°	736.8	736.8	736.8	734.1	734.1	734.1	715.0	693.1	679.5	663.1	654.9
5°	695.9	671.3	641.3	611.3	605.8	597.6	600.4	600.4	603.1	603.1	603.1
7.5°	592.2	578.5	584.0	589.4	589.4	589.4	589.4	586.7	584.0	581.2	554.0
10°	472.1	461.2	461.2	461.2	469.4	474.8	461.2	444.8	469.4	491.2	485.7
12.5°	433.9	461.2	425.7	387.5	393.0	395.7	395.7	393.0	382.0	371.1	332.9
15°	453.0	395.7	362.9	327.5	327.5	327.5	264.7	201.9	188.3	174.6	177.4
17.5°	433.9	401.1	362.9	322.0	242.9	161.0	152.8	141.9	141.9	141.9	144.6
20°	436.6	316.5	267.4	218.3	174.6	128.3	120.1	109.2	103.7	95.5	111.9
22.5°	428.4	376.6	256.5	136.4	120.1	103.7	95.5	84.6	98.2	111.9	111.9
25°	414.8	248.3	185.6	120.1	101.0	81.9	92.8	101.0	95.5	87.3	101.0
27.5°	417.5	234.7	161.0	87.3	92.8	95.5	90.1	81.9	90.1	95.5	90.1
30°	450.3	182.8	136.4	87.3	84.6	79.1	81.9	84.6	81.9	76.4	81.9
32.5°	401.1	144.6	114.6	81.9	79.1	76.4	73.7	71.0	73.7	73.7	73.7
35°	338.4	109.2	92.8	76.4	71.0	65.5	65.5	62.8	62.8	62.8	62.8
37.5°	286.5	92.8	81.9	68.2	62.8	57.3	54.6	49.1	49.1	46.4	46.4
40°	232.0	84.6	73.7	60.0	54.6	46.4	43.7	38.2	38.2	35.5	35.5
42.5°	174.6	76.4	65.5	51.8	46.4	38.2	32.7	27.3	27.3	24.6	24.6
45°	125.5	68.2	57.3	43.7	38.2	30.0	24.6	19.1	19.1	16.4	16.4
47.5°	98.2	62.8	51.8	38.2	30.0	21.8	19.1	13.6	13.6	13.6	13.6
50°	79.1	54.6	43.7	30.0	21.8	13.6	10.9	8.2	8.2	8.2	8.2
52.5°	71.0	49.1	38.2	24.6	19.1	10.9	8.2	5.5	8.2	8.2	8.2
55°	62.8	43.7	32.7	19.1	13.6	8.2	8.2	5.5	8.2	8.2	8.2
57.5°	57.3	38.2	27.3	13.6	10.9	5.5	5.5	2.7	5.5	5.5	5.5
60°	49.1	32.7	21.8	10.9	8.2	2.7	2.7	2.7	5.5	5.5	5.5
62.5°	43.7	27.3	19.1	8.2	5.5	2.7	2.7	2.7	5.5	5.5	5.5
65°	35.5	19.1	13.6	5.5	5.5	2.7	2.7	2.7	5.5	5.5	5.5
67.5°	27.3	13.6	10.9	5.5	5.5	2.7	2.7	2.7	5.5	5.5	2.7
70°	19.1	10.9	8.2	2.7	2.7	2.7	2.7	2.7	5.5	5.5	2.7
72.5°	*13.6*	*8.2*	*5.5*	*2.7*	*2.7*	*0.0*	*2.7*	*2.7*	*5.5*	*5.5*	*5.5*
75°	13.6	8.2	5.5	2.7	2.7	0.0	2.7	5.5	5.5	5.5	5.5
77.5°	10.9	5.5	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	5.5	8.2	8.2	8.2	5.5
82.5°	5.5	5.5	5.5	2.7	2.7	0.0	5.5	8.2	8.2	8.2	5.5
85°	5.5	5.5	5.5	5.5	2.7	0.0	5.5	8.2	8.2	8.2	8.2
87.5°	5.5	5.5	5.5	5.5	5.5	2.7	8.2	10.9	10.9	8.2	8.2
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°	739.5	739.5	739.5	739.5
2.5°	644.0	644.0	641.3	649.5
5°	603.1	603.1	603.1	605.8
7.5°	523.9	504.8	485.7	488.5
10°	477.6	472.1	463.9	469.4
12.5°	294.7	278.3	259.2	251.1
15°	180.1	180.1	180.1	177.4
17.5°	147.4	136.4	122.8	125.5
20°	128.3	131.0	133.7	133.7
22.5°	111.9	106.4	101.0	101.0
25°	111.9	111.9	111.9	111.9
27.5°	84.6	84.6	81.9	81.9
30°	87.3	87.3	84.6	81.9
32.5°	71.0	71.0	71.0	71.0
35°	60.0	57.3	54.6	54.6
37.5°	46.4	43.7	40.9	40.9
40°	32.7	32.7	30.0	30.0
42.5°	24.6	24.6	21.8	21.8
45°	16.4	16.4	16.4	16.4
47.5°	10.9	10.9	10.9	10.9
50°	8.2	8.2	8.2	8.2
52.5°	8.2	8.2	5.5	5.5
55°	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	5.5	5.5
60°	5.5	5.5	2.7	2.7
62.5°	2.7	2.7	2.7	2.7
65°	2.7	2.7	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°	*2.7*	*2.7*	*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	2.7	0.0
85°	5.5	5.5	2.7	0.0
87.5°	5.5	5.5	2.7	0.0
90°	0.0	0.0	0.0	0.0

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