

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: P561050

Luminaire Tested: **SDL-PA1-80-727-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561050
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-PA1-80-727-U-T3-HSS
Description: Springdale
(1) 70 CRI, 2700K, 1050mA 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: 5785 lumens
Efficiency: N/A
Efficacy: 70.5 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): 82
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

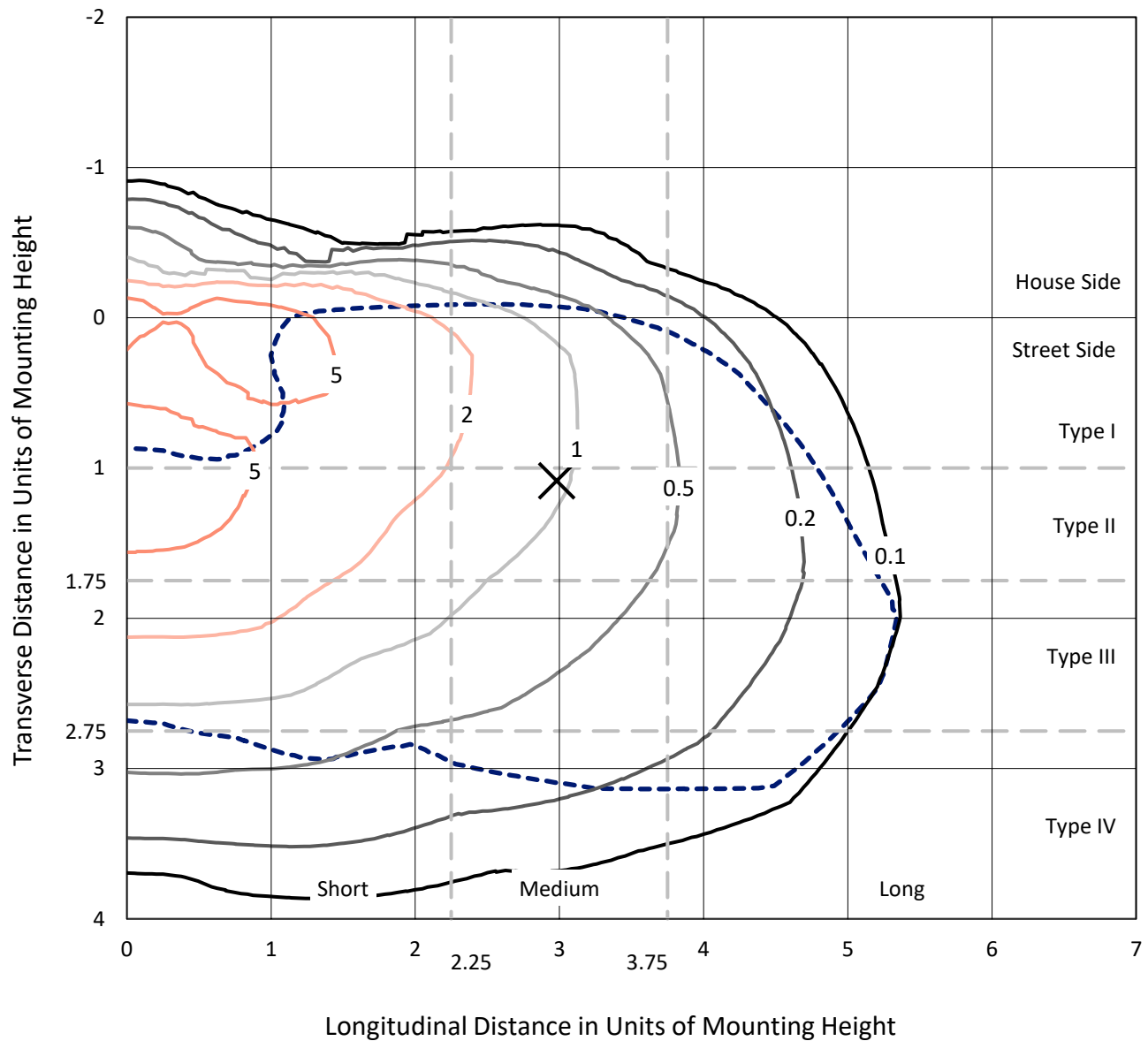


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

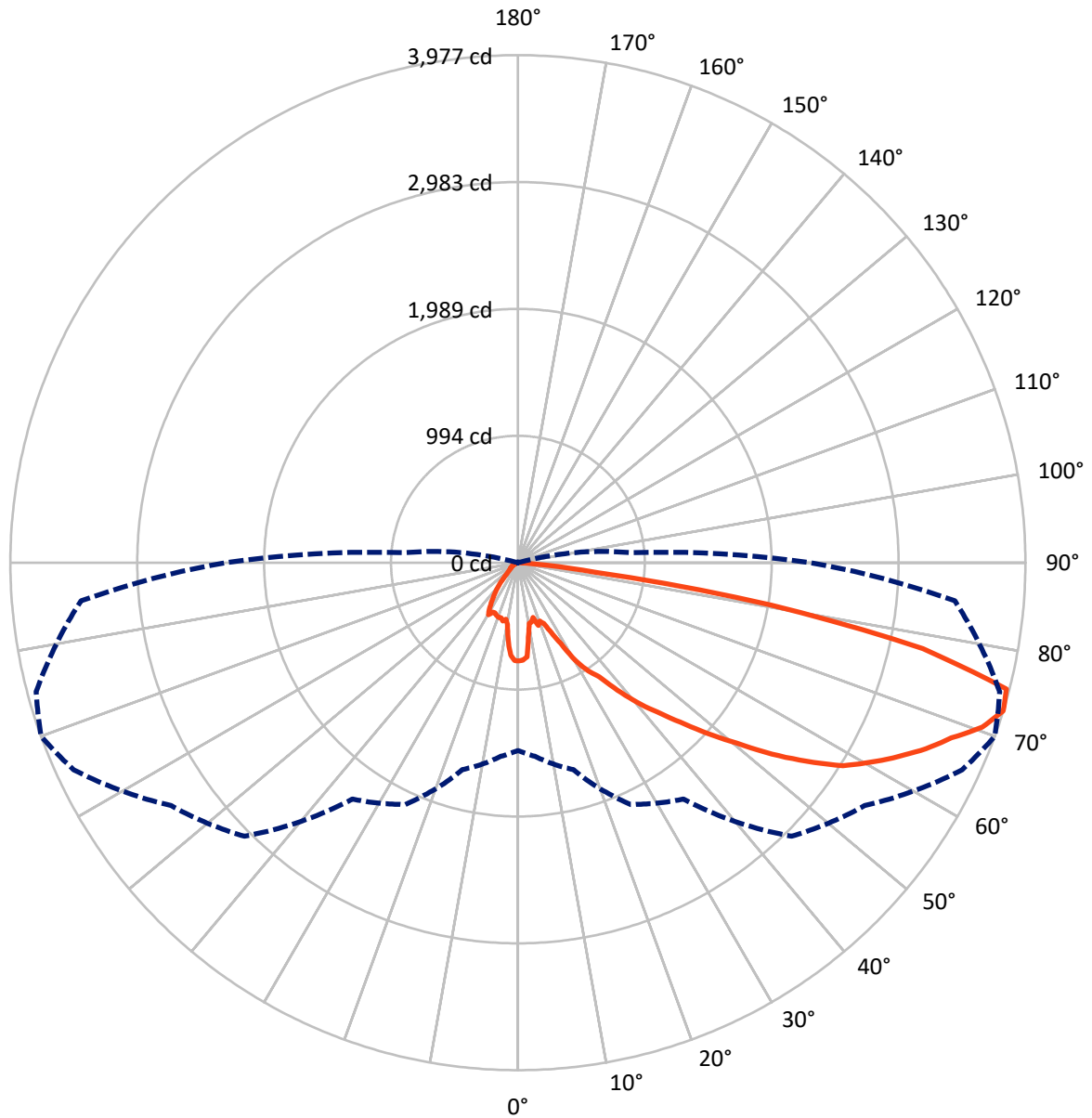


Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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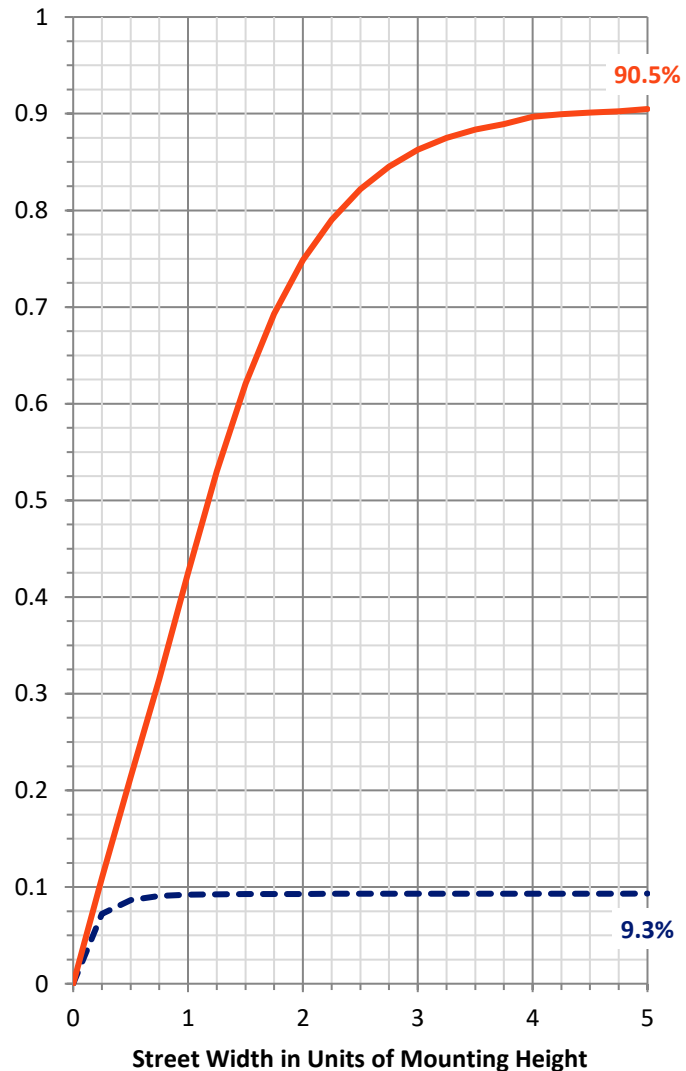
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	545.4	0.0	545.4
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	5239.6	0.0	5239.6
	% Fixture	90.6	0.0	90.6
Total	Lumens	5785.0	0.0	5785.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	1.0
10°-20°	118.4	2.0
20°-30°	193.0	3.3
30°-40°	411.8	7.1
40°-50°	793.6	13.7
50°-60°	1312.5	22.7
60°-70°	1606.5	27.8
70°-80°	1176.9	20.3
80°-90°	113.0	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°	5785.0	100.0
0°-180°	5785.0	100.0



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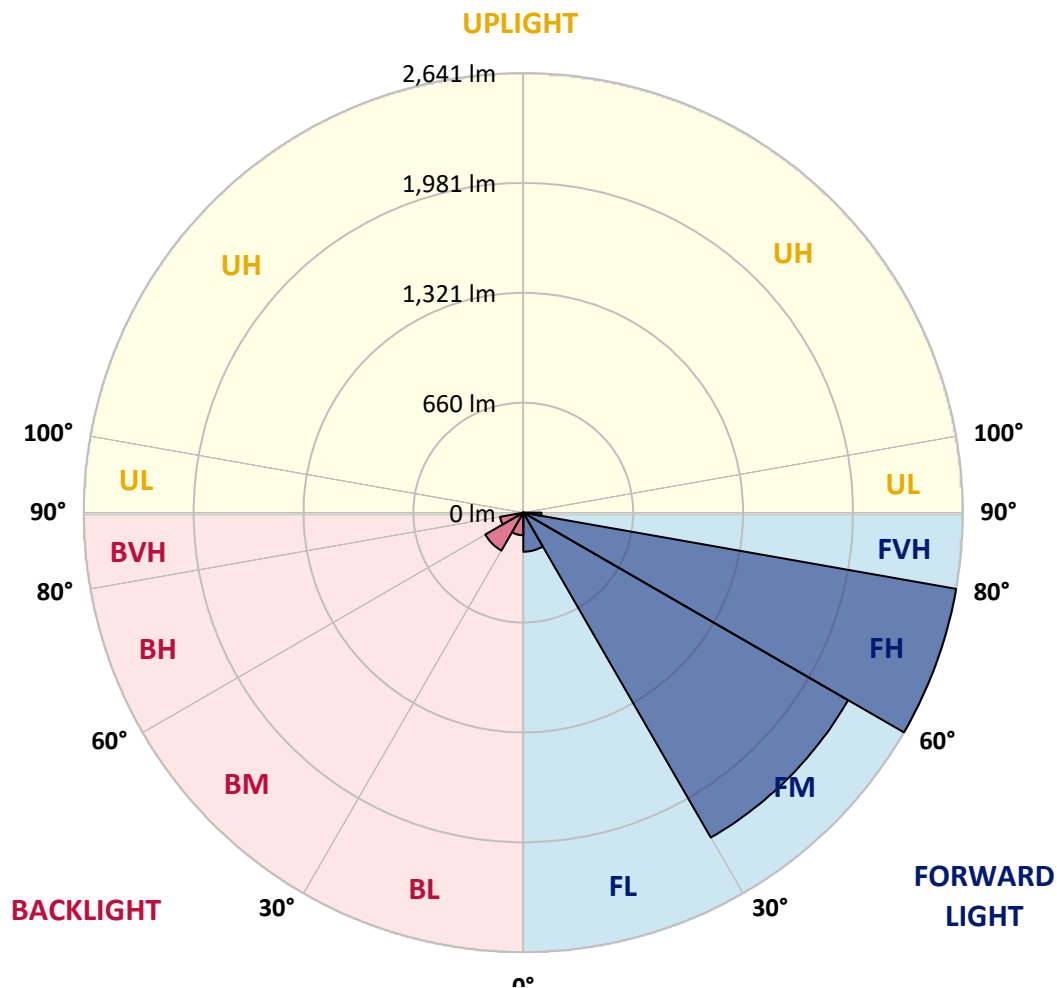
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	234.9	4.1			
FM	(30°-60°)	2254.3	39.0			
FH	(60°-80°)	2641.4	45.7			G2/5000
FVH	(80°-90°)	109.0	1.9			G2/225
BL	(0°-30°)	135.8	2.3	B1/500		
BM	(30°-60°)	263.6	4.6	B1/1000		
BH	(60°-80°)	142.0	2.5	B1/500		G1/500
BVH	(80°-90°)	4.0	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°	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9
2.5°	684.6	704.5	715.9	727.2	724.4	721.6	727.2	732.9	744.3	752.8	758.5
5°	616.4	616.4	616.4	616.4	619.3	619.3	619.3	619.3	622.1	625.0	627.8
7.5°	534.1	545.4	551.1	556.8	571.0	582.4	593.7	605.1	610.8	613.6	616.4
10°	579.5	579.5	579.5	579.5	582.4	582.4	545.4	505.7	508.5	511.3	494.3
12.5°	480.1	477.3	508.5	536.9	556.8	573.8	554.0	531.2	497.1	460.2	454.5
15°	565.3	565.3	565.3	565.3	525.5	485.8	457.4	429.0	451.7	471.6	426.1
17.5°	446.0	457.4	491.5	525.5	525.5	525.5	500.0	474.4	426.1	375.0	429.0
20°	554.0	554.0	554.0	551.1	485.8	420.4	443.2	463.0	482.9	502.8	494.3
22.5°	460.2	454.5	463.0	471.6	491.5	508.5	451.7	392.0	457.4	519.9	488.6
25°	582.4	582.4	585.2	585.2	522.7	460.2	497.1	531.2	482.9	434.6	511.3
27.5°	525.5	508.5	505.7	500.0	519.9	536.9	511.3	485.8	539.7	593.7	568.2
30°	730.1	730.1	710.2	690.3	613.6	534.1	542.6	548.3	548.3	548.3	605.1
32.5°	1014.2	1017.0	940.3	860.8	792.6	721.6	659.1	593.7	627.8	661.9	698.8
35°	1366.4	1374.9	1321.0	1264.1	1096.5	928.9	823.8	718.7	715.9	710.2	764.2
37.5°	1619.2	1636.3	1593.7	1551.1	1352.2	1153.4	1002.8	852.2	838.0	821.0	840.9
40°	1857.9	1846.5	1820.9	1792.5	1582.3	1369.3	1204.5	1036.9	1000.0	960.2	963.0
42.5°	2167.5	2133.4	2068.1	2002.8	1801.1	1599.4	1423.2	1247.1	1187.4	1127.8	1116.4
45°	2568.1	2511.3	2417.5	2320.9	2122.1	1923.2	1707.3	1488.6	1414.7	1338.0	1321.0
47.5°	2772.6	2732.8	2673.2	2610.7	2406.1	2201.6	1994.2	1784.0	1681.7	1576.6	1548.2
50°	3014.1	2962.9	2923.2	2880.6	2704.4	2525.5	2332.3	2136.3	1999.9	1863.6	1815.3
52.5°	3244.2	3159.0	3122.0	3082.2	2943.1	2801.0	2599.3	2397.6	2309.6	2218.7	2102.2
55°	3326.6	3244.2	3227.1	3210.1	3110.7	3011.2	2826.6	2641.9	2539.7	2434.6	2340.8
57.5°	3147.6	3159.0	3210.1	3261.2	3204.4	3147.6	2997.0	2843.6	2730.0	2616.4	2562.4
60°	3025.4	3051.0	3127.7	3204.4	3204.4	3204.4	3122.0	3039.6	2931.7	2823.7	2786.8
62.5°	2829.4	2860.7	2977.1	3093.6	3167.5	3241.3	3153.3	3065.2	3028.3	2988.5	2954.4
65°	2570.9	2579.4	2710.1	2840.8	2994.2	3144.7	3062.4	2977.1	3048.2	3119.2	3085.1
67.5°	2272.6	2286.8	2409.0	2528.3	2710.1	2891.9	2869.2	2843.6	2999.9	3156.1	3153.3
70°	1917.5	1943.1	2048.2	2150.5	2355.0	2556.7	2579.4	2602.2	2872.0	3139.1	3190.2
72.5°	1471.5	1522.7	1602.2	1678.9	1886.3	2090.8	2176.0	2261.3	2647.6	3031.1	3176.0
75°	488.6	522.7	744.3	963.0	1173.2	1383.5	1571.0	1755.6	2238.5	2718.6	3019.8
77.5°	142.0	147.7	190.3	230.1	394.9	556.8	750.0	940.3	1411.9	1880.6	2380.6
80°	73.9	76.7	85.2	93.7	136.4	179.0	258.5	335.2	551.1	767.0	1292.6
82.5°	51.1	51.1	59.7	65.3	82.4	99.4	142.0	184.7	201.7	218.7	519.9
85°	17.0	17.0	22.7	28.4	39.8	51.1	76.7	99.4	99.4	96.6	139.2
87.5°	2.8	2.8	5.7	8.5	14.2	17.0	14.2	11.4	8.5	5.7	11.4
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°	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9
2.5°	761.3	764.2	764.2	764.2	767.0	767.0	767.0	767.0	764.2	767.0	767.0
5°	627.8	678.9	727.2	741.4	750.0	752.8	752.8	752.8	750.0	750.0	750.0
7.5°	619.3	616.4	613.6	590.9	644.9	656.2	664.7	661.9	661.9	647.7	630.7
10°	477.3	477.3	477.3	482.9	514.2	551.1	588.0	588.0	588.0	545.4	502.8
12.5°	446.0	463.0	477.3	477.3	426.1	468.7	511.3	511.3	511.3	468.7	423.3
15°	380.7	400.6	417.6	446.0	531.2	582.4	633.5	633.5	630.7	582.4	531.2
17.5°	480.1	474.4	465.9	517.0	485.8	494.3	502.8	477.3	514.2	500.0	485.8
20°	485.8	434.6	380.7	488.6	599.4	647.7	696.0	698.8	690.3	636.3	579.5
22.5°	457.4	522.7	585.2	517.0	534.1	522.7	508.5	502.8	502.8	500.0	497.1
25°	585.2	522.7	460.2	605.1	707.4	741.4	775.5	767.0	755.6	678.9	602.2
27.5°	539.7	602.2	661.9	718.7	769.9	801.1	832.3	920.4	801.1	713.0	622.1
30°	659.1	735.8	809.6	892.0	1048.2	1093.7	1139.2	1116.4	1088.0	917.6	747.1
32.5°	732.9	855.1	974.4	1011.3	1105.1	1147.7	1187.4	1167.6	1133.5	909.1	684.6
35°	815.3	928.9	1039.7	1099.4	1213.0	1247.1	1278.4	1247.1	1210.2	900.5	590.9
37.5°	860.8	1014.2	1164.7	1267.0	1363.6	1372.1	1377.8	1349.4	1301.1	900.5	500.0
40°	965.9	1130.6	1292.6	1440.3	1517.0	1519.8	1522.7	1477.2	1389.1	892.0	392.0
42.5°	1105.1	1272.7	1437.4	1599.4	1701.6	1693.1	1681.7	1619.2	1474.4	877.8	281.2
45°	1303.9	1451.6	1599.4	1781.2	1906.2	1883.4	1857.9	1764.1	1534.0	863.6	190.3
47.5°	1517.0	1633.5	1747.1	1997.1	2156.2	2107.9	2056.7	1920.4	1576.6	857.9	136.4
50°	1764.1	1857.9	1951.6	2224.3	2414.7	2323.8	2232.9	2076.6	1593.7	852.2	107.9
52.5°	1982.9	2079.5	2173.2	2491.4	2636.2	2534.0	2431.7	2198.8	1585.2	840.9	93.7
55°	2244.2	2329.4	2414.7	2747.0	2863.5	2727.2	2588.0	2286.8	1542.5	815.3	85.2
57.5°	2505.6	2593.6	2678.9	3002.7	3036.8	2903.3	2766.9	2372.1	1499.9	789.7	76.7
60°	2749.9	2849.3	2948.7	3176.0	3201.6	3082.2	2962.9	2454.4	1431.8	750.0	68.2
62.5°	2920.3	3056.7	3193.0	3346.4	3357.8	3249.9	3139.1	2516.9	1343.7	704.5	62.5
65°	3048.2	3235.7	3420.3	3514.0	3508.4	3431.7	3355.0	2570.9	1272.7	661.9	51.1
67.5°	3147.6	3374.9	3602.1	3664.6	3678.8	3607.8	3536.8	2579.4	1184.6	613.6	39.8
70°	3241.3	3491.3	3741.3	3860.6	3832.2	3721.4	3610.6	2514.1	1065.3	548.3	28.4
72.5°	3318.0	3579.4	3840.7	3977.1	3908.9	3673.1	3437.3	2292.5	892.0	457.4	19.9
75°	3318.0	3579.4	3837.9	3954.4	3721.4	3252.7	2781.1	1707.3	522.7	269.9	17.0
77.5°	2880.6	3070.9	3261.2	3244.2	2835.1	2252.7	1667.5	982.9	176.1	96.6	14.2
80°	1818.1	1943.1	2068.1	2005.6	1448.8	1039.7	627.8	329.5	62.5	36.9	11.4
82.5°	821.0	806.8	792.6	610.8	284.1	190.3	93.7	56.8	17.0	11.4	5.7
85°	181.8	176.1	170.4	125.0	85.2	56.8	28.4	17.0	8.5	8.5	5.7
87.5°	17.0	19.9	19.9	14.2	14.2	11.4	5.7	5.7	5.7	5.7	5.7
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°	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9
2.5°	767.0	767.0	767.0	764.2	764.2	764.2	744.3	721.6	707.4	690.3	681.8
5°	724.4	698.8	667.6	636.3	630.7	622.1	625.0	625.0	627.8	627.8	627.8
7.5°	616.4	602.2	607.9	613.6	613.6	613.6	613.6	610.8	607.9	605.1	576.7
10°	491.5	480.1	480.1	480.1	488.6	494.3	480.1	463.0	488.6	511.3	505.7
12.5°	451.7	480.1	443.2	403.4	409.1	411.9	411.9	409.1	397.7	386.3	346.6
15°	471.6	411.9	377.8	340.9	340.9	340.9	275.6	210.2	196.0	181.8	184.7
17.5°	451.7	417.6	377.8	335.2	252.8	167.6	159.1	147.7	147.7	147.7	150.6
20°	454.5	329.5	278.4	227.3	181.8	133.5	125.0	113.6	107.9	99.4	116.5
22.5°	446.0	392.0	267.0	142.0	125.0	107.9	99.4	88.1	102.3	116.5	116.5
25°	431.8	258.5	193.2	125.0	105.1	85.2	96.6	105.1	99.4	90.9	105.1
27.5°	434.6	244.3	167.6	90.9	96.6	99.4	93.7	85.2	93.7	99.4	93.7
30°	468.7	190.3	142.0	90.9	88.1	82.4	85.2	88.1	85.2	79.5	85.2
32.5°	417.6	150.6	119.3	85.2	82.4	79.5	76.7	73.9	76.7	76.7	76.7
35°	352.3	113.6	96.6	79.5	73.9	68.2	68.2	65.3	65.3	65.3	65.3
37.5°	298.3	96.6	85.2	71.0	65.3	59.7	56.8	51.1	51.1	48.3	48.3
40°	241.5	88.1	76.7	62.5	56.8	48.3	45.5	39.8	39.8	36.9	36.9
42.5°	181.8	79.5	68.2	54.0	48.3	39.8	34.1	28.4	28.4	25.6	25.6
45°	130.7	71.0	59.7	45.5	39.8	31.2	25.6	19.9	19.9	17.0	17.0
47.5°	102.3	65.3	54.0	39.8	31.2	22.7	19.9	14.2	14.2	14.2	14.2
50°	82.4	56.8	45.5	31.2	22.7	14.2	11.4	8.5	8.5	8.5	8.5
52.5°	73.9	51.1	39.8	25.6	19.9	11.4	8.5	5.7	8.5	8.5	8.5
55°	65.3	45.5	34.1	19.9	14.2	8.5	8.5	5.7	8.5	8.5	8.5
57.5°	59.7	39.8	28.4	14.2	11.4	5.7	5.7	2.8	5.7	5.7	5.7
60°	51.1	34.1	22.7	11.4	8.5	2.8	2.8	2.8	5.7	5.7	5.7
62.5°	45.5	28.4	19.9	8.5	5.7	2.8	2.8	2.8	5.7	5.7	5.7
65°	36.9	19.9	14.2	5.7	5.7	2.8	2.8	2.8	5.7	5.7	5.7
67.5°	28.4	14.2	11.4	5.7	5.7	2.8	2.8	2.8	5.7	5.7	2.8
70°	19.9	11.4	8.5	2.8	2.8	2.8	2.8	2.8	5.7	5.7	2.8
72.5°	14.2	8.5	5.7	2.8	2.8	0.0	2.8	2.8	5.7	5.7	5.7
75°	14.2	8.5	5.7	2.8	2.8	0.0	2.8	5.7	5.7	5.7	5.7
77.5°	11.4	5.7	5.7	2.8	2.8	0.0	2.8	5.7	5.7	5.7	5.7
80°	8.5	5.7	5.7	2.8	2.8	0.0	5.7	8.5	8.5	8.5	5.7
82.5°	5.7	5.7	5.7	2.8	2.8	0.0	5.7	8.5	8.5	8.5	5.7
85°	5.7	5.7	5.7	5.7	2.8	0.0	5.7	8.5	8.5	8.5	8.5
87.5°	5.7	5.7	5.7	5.7	5.7	2.8	8.5	11.4	11.4	8.5	8.5
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°	769.9	769.9	769.9	769.9
2.5°	670.4	670.4	667.6	676.1
5°	627.8	627.8	627.8	630.7
7.5°	545.4	525.5	505.7	508.5
10°	497.1	491.5	482.9	488.6
12.5°	306.8	289.8	269.9	261.4
15°	187.5	187.5	187.5	184.7
17.5°	153.4	142.0	127.8	130.7
20°	133.5	136.4	139.2	139.2
22.5°	116.5	110.8	105.1	105.1
25°	116.5	116.5	116.5	116.5
27.5°	88.1	88.1	85.2	85.2
30°	90.9	90.9	88.1	85.2
32.5°	73.9	73.9	73.9	73.9
35°	62.5	59.7	56.8	56.8
37.5°	48.3	45.5	42.6	42.6
40°	34.1	34.1	31.2	31.2
42.5°	25.6	25.6	22.7	22.7
45°	17.0	17.0	17.0	17.0
47.5°	11.4	11.4	11.4	11.4
50°	8.5	8.5	8.5	8.5
52.5°	8.5	8.5	5.7	5.7
55°	5.7	5.7	5.7	5.7
57.5°	5.7	5.7	5.7	5.7
60°	5.7	5.7	2.8	2.8
62.5°	2.8	2.8	2.8	2.8
65°	2.8	2.8	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°	2.8	2.8	0.0	0.0
75°	2.8	2.8	0.0	0.0
77.5°	2.8	2.8	0.0	0.0
80°	2.8	2.8	0.0	0.0
82.5°	2.8	2.8	2.8	0.0
85°	5.7	5.7	2.8	0.0
87.5°	5.7	5.7	2.8	0.0
90°	0.0	0.0	0.0	0.0

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