

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: P560724

Luminaire Tested: **SDL-PA1-60-730-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560724
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-PA1-60-730-U-T4W-HSS
Description: Springdale
(1) 70 CRI, 3000K, 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: 4944.5 lumens
Efficiency: N/A
Efficacy: 79.2 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

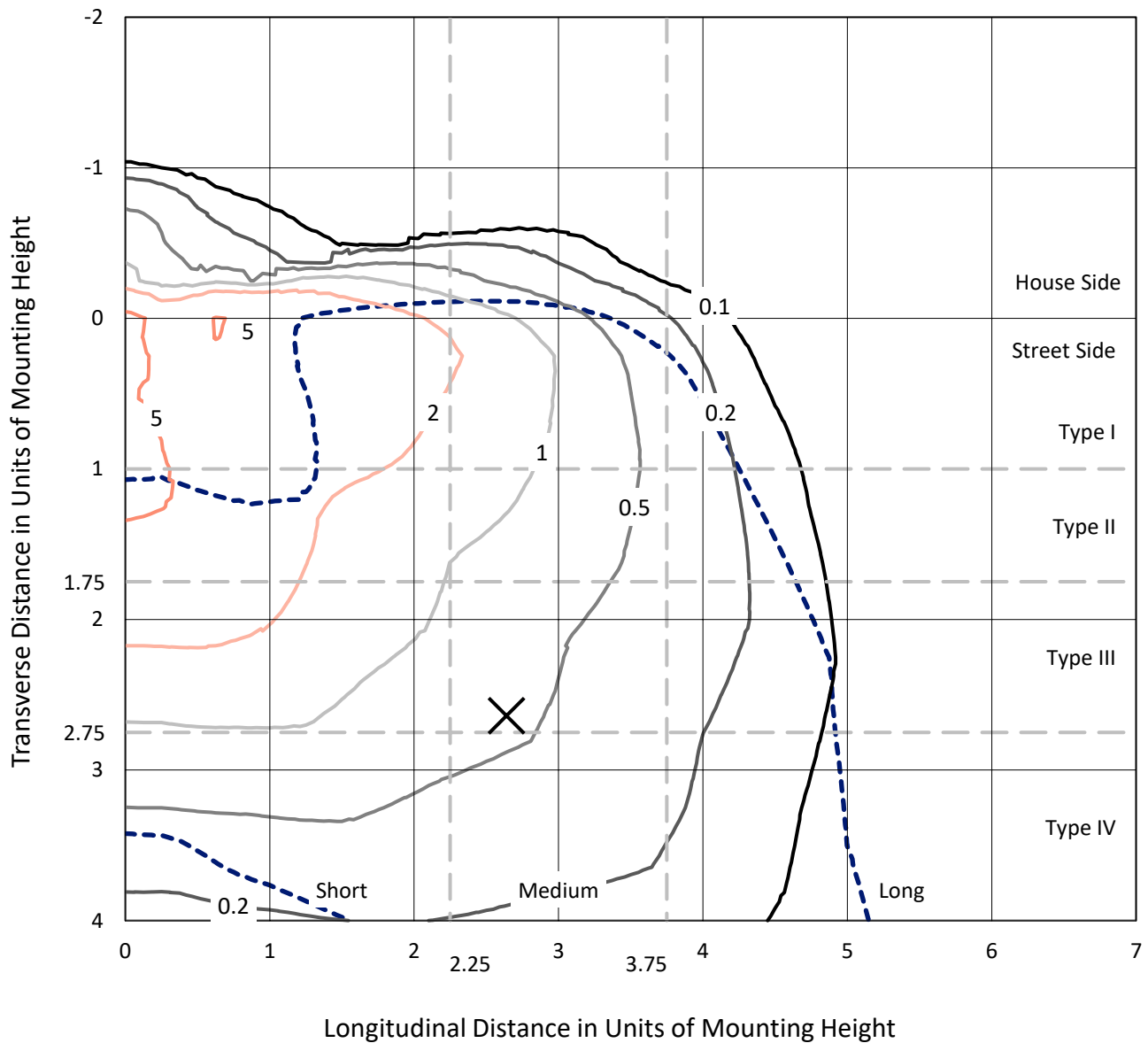


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

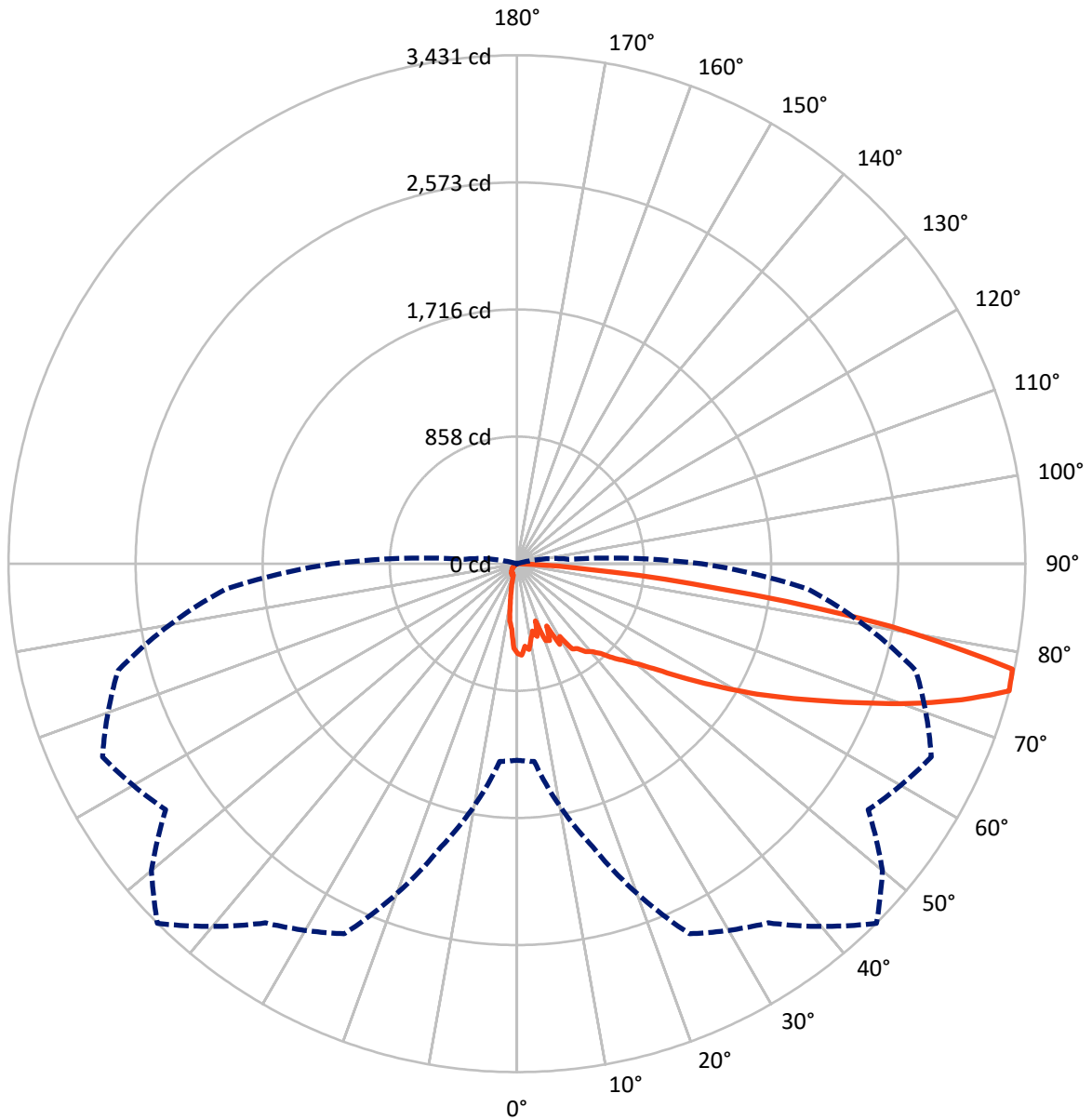


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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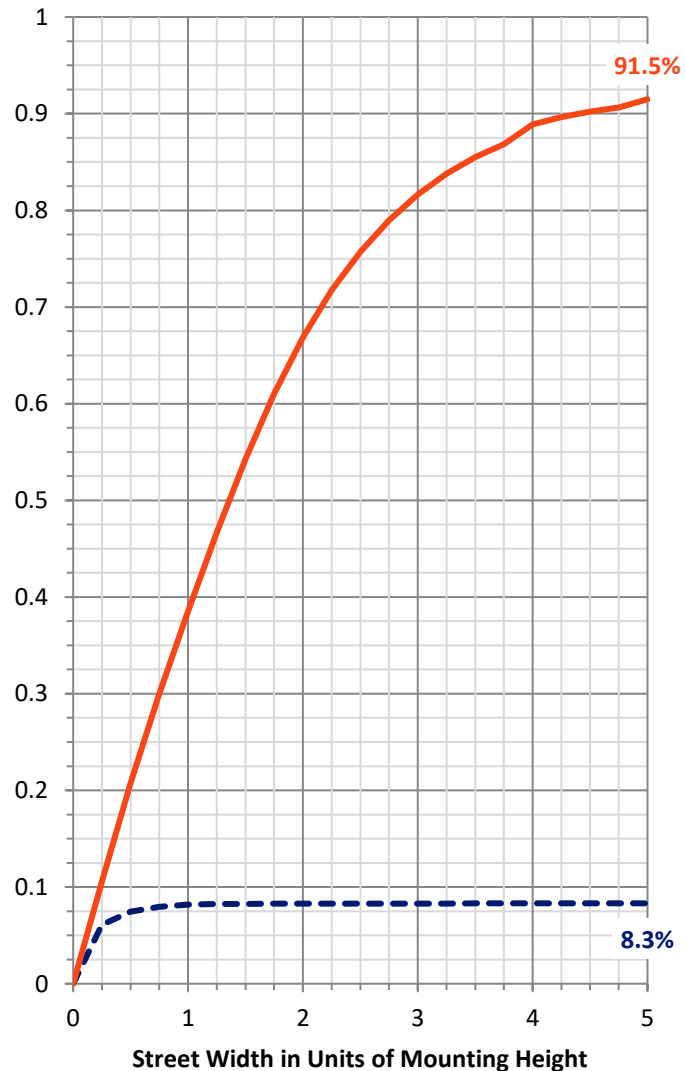
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	415.1	0.0	415.1
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4529.4	0.0	4529.4
	% Fixture	91.6	0.0	91.6
Total	Lumens	4944.5	0.0	4944.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.1	1.0
10°-20°	103.5	2.1
20°-30°	175.0	3.5
30°-40°	322.3	6.5
40°-50°	528.9	10.7
50°-60°	941.4	19.0
60°-70°	1408.5	28.5
70°-80°	1254.0	25.4
80°-90°	163.8	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°	4944.5	100.0
0°-180°	4944.5	100.0



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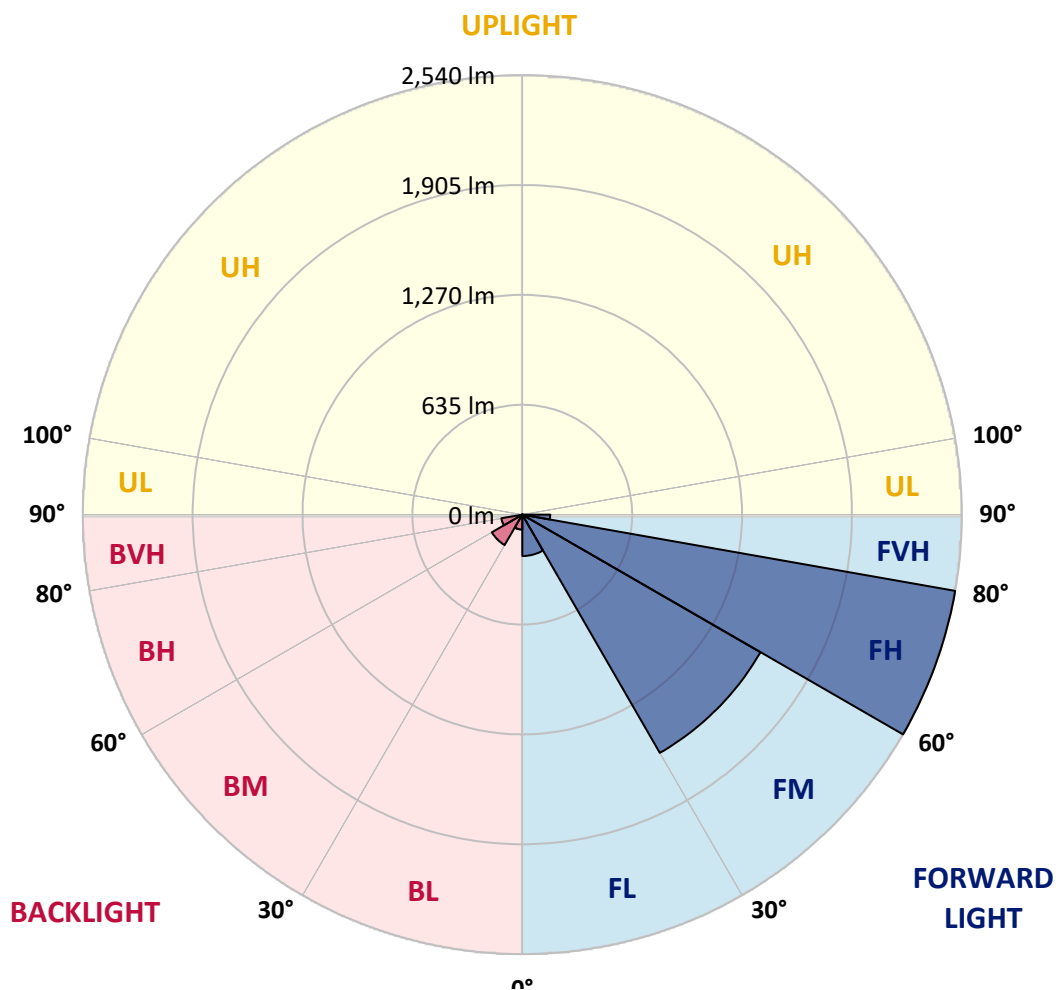
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	239.0	4.8			
FM	(30°-60°)	1589.4	32.1			
FH	(60°-80°)	2539.6	51.4			G2/5000
FVH	(80°-90°)	161.3	3.3			G2/225
BL	(0°-30°)	86.6	1.8	B0/110		
BM	(30°-60°)	203.1	4.1	B0/220		
BH	(60°-80°)	122.9	2.5	B1/500		G1/500
BVH	(80°-90°)	2.5	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°	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3
2.5°	564.0	606.3	611.2	613.7	618.7	621.2	621.2	621.2	621.2	618.7	618.7
5°	596.3	593.8	591.4	588.9	586.4	581.4	576.4	569.0	564.0	559.1	554.1
7.5°	583.9	586.4	593.8	598.8	596.3	593.8	598.8	601.3	593.8	583.9	574.0
10°	680.8	675.8	670.9	665.9	658.4	651.0	591.4	531.7	526.8	519.3	514.3
12.5°	596.3	670.9	670.9	670.9	670.9	670.9	631.1	591.4	529.2	467.1	395.1
15°	745.4	742.9	733.0	723.0	656.0	586.4	549.1	511.8	511.8	509.4	479.5
17.5°	618.7	618.7	668.4	715.6	688.3	660.9	608.7	556.6	482.0	405.0	434.8
20°	782.7	782.7	772.7	762.8	648.5	534.2	539.2	544.1	549.1	554.1	459.7
22.5°	643.5	638.6	633.6	628.6	641.0	653.5	551.6	447.2	506.9	564.0	439.8
25°	785.2	792.6	787.6	780.2	678.3	576.4	598.8	618.7	541.7	464.6	539.2
27.5°	673.3	665.9	656.0	643.5	651.0	658.4	611.2	561.5	588.9	616.2	494.5
30°	824.9	827.4	822.4	817.5	720.6	623.7	621.2	616.2	593.8	569.0	556.6
32.5°	1021.2	1001.3	931.8	862.2	802.5	742.9	695.7	648.5	668.4	685.8	618.7
35°	1115.6	1078.3	1048.5	1016.2	916.8	815.0	757.8	698.2	700.7	703.2	675.8
37.5°	1207.6	1152.9	1115.6	1078.3	959.1	839.8	777.7	715.6	735.5	752.9	723.0
40°	1239.9	1210.0	1187.7	1165.3	1038.6	909.4	837.3	762.8	772.7	780.2	770.2
42.5°	1321.8	1316.9	1304.5	1289.5	1138.0	983.9	897.0	810.0	819.9	827.4	822.4
45°	1518.1	1510.7	1510.7	1508.2	1311.9	1113.1	998.8	884.5	894.5	904.4	899.5
47.5°	1771.6	1759.1	1744.2	1726.8	1518.1	1306.9	1143.0	976.5	976.5	976.5	983.9
50°	2037.4	2020.0	1987.7	1953.0	1741.8	1530.6	1321.8	1113.1	1090.8	1065.9	1093.3
52.5°	2313.2	2283.4	2228.8	2171.6	1985.3	1798.9	1562.9	1324.3	1257.2	1187.7	1222.5
55°	2462.3	2430.0	2392.7	2353.0	2201.4	2047.4	1806.4	1565.3	1461.0	1354.1	1391.4
57.5°	2584.1	2576.6	2559.2	2541.8	2425.0	2308.3	2067.2	1823.8	1682.1	1540.5	1572.8
60°	2750.5	2740.6	2748.0	2755.5	2666.1	2576.6	2348.0	2116.9	1935.6	1751.7	1741.8
62.5°	2874.8	2872.3	2909.6	2946.8	2899.6	2849.9	2594.0	2335.6	2159.2	1980.3	1930.6
65°	2760.5	2792.8	2931.9	3071.1	3063.6	3053.7	2815.1	2574.1	2400.2	2223.8	2159.2
67.5°	2519.5	2534.4	2740.6	2944.3	3033.8	3120.8	2951.8	2780.4	2643.7	2504.6	2385.3
70°	2293.4	2325.7	2507.0	2688.4	2919.5	3150.6	3016.4	2882.2	2854.9	2825.1	2671.0
72.5°	2074.7	2131.9	2300.8	2469.8	2777.9	3083.5	3004.0	2924.5	3031.3	3138.1	2954.3
75°	1326.8	1339.2	1659.8	1977.8	2367.9	2755.5	2857.4	2959.2	3195.3	3431.3	3220.1
77.5°	387.6	429.8	670.9	911.9	1359.1	1803.9	2151.7	2499.6	2959.2	3418.9	3160.5
80°	131.7	141.6	176.4	208.7	447.2	685.8	1088.3	1488.3	2022.5	2556.7	2375.3
82.5°	64.6	67.1	84.5	99.4	151.6	203.7	410.0	613.7	991.4	1366.6	1398.9
85°	19.9	19.9	29.8	39.8	64.6	89.4	154.0	216.2	342.9	467.1	395.1
87.5°	5.0	5.0	7.5	9.9	14.9	19.9	19.9	19.9	14.9	9.9	12.4
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°	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3
2.5°	621.2	621.2	621.2	618.7	613.7	611.2	606.3	601.3	596.3	593.8	588.9
5°	546.6	578.9	608.7	611.2	611.2	603.8	596.3	588.9	581.4	574.0	566.5
7.5°	561.5	544.1	526.8	529.2	531.7	529.2	524.3	511.8	501.9	482.0	459.7
10°	449.7	437.3	422.4	427.4	432.3	444.8	457.2	447.2	432.3	395.1	355.3
12.5°	442.3	439.8	434.8	397.5	357.8	377.7	395.1	385.1	370.2	332.9	293.2
15°	377.7	380.2	380.2	417.4	454.7	469.6	482.0	469.6	452.2	402.5	350.3
17.5°	487.0	462.1	437.3	422.4	405.0	410.0	414.9	360.3	377.7	345.4	310.6
20°	504.4	422.4	340.4	407.5	474.6	496.9	519.3	506.9	484.5	405.0	323.0
22.5°	459.7	489.5	519.3	477.1	434.8	407.5	377.7	365.2	350.3	315.6	280.8
25°	569.0	487.0	402.5	482.0	559.1	564.0	569.0	546.6	521.8	422.4	323.0
27.5°	509.4	536.7	561.5	578.9	596.3	618.7	641.0	616.2	556.6	439.8	320.5
30°	606.3	643.5	680.8	737.9	795.1	812.5	827.4	800.1	752.9	556.6	357.8
32.5°	633.6	708.1	782.7	805.0	824.9	847.3	869.6	847.3	790.1	551.6	310.6
35°	708.1	760.3	810.0	844.8	879.6	899.5	919.3	904.4	827.4	544.1	260.9
37.5°	730.5	800.1	867.2	906.9	944.2	961.6	976.5	976.5	867.2	539.2	208.7
40°	765.3	852.2	939.2	976.5	1011.3	1038.6	1063.4	1073.4	911.9	536.7	159.0
42.5°	834.9	911.9	988.9	1048.5	1105.7	1145.4	1185.2	1192.6	964.1	544.1	121.7
45°	909.4	991.4	1073.4	1152.9	1232.4	1289.5	1344.2	1339.2	1026.2	564.0	99.4
47.5°	1016.2	1093.3	1170.3	1304.5	1436.1	1490.8	1543.0	1508.2	1090.8	588.9	87.0
50°	1125.6	1220.0	1314.4	1485.8	1654.8	1704.5	1751.7	1679.6	1152.9	618.7	82.0
52.5°	1267.2	1379.0	1490.8	1687.1	1883.4	1928.1	1972.8	1826.2	1200.1	638.6	77.0
55°	1433.7	1577.8	1721.9	1908.2	2092.1	2144.3	2196.5	1970.3	1222.5	648.5	74.5
57.5°	1634.9	1801.4	1965.4	2136.8	2305.8	2377.8	2447.4	2112.0	1232.4	651.0	69.6
60°	1831.2	2015.1	2198.9	2345.5	2492.1	2603.9	2713.3	2251.1	1227.4	646.0	62.1
62.5°	2012.6	2216.3	2417.6	2554.2	2690.9	2825.1	2959.2	2362.9	1195.1	623.7	49.7
65°	2201.4	2417.6	2631.3	2750.5	2869.8	3043.7	3215.2	2459.8	1150.4	593.8	34.8
67.5°	2372.9	2579.1	2785.3	2919.5	3053.7	3225.1	3394.1	2484.7	1085.8	556.6	24.8
70°	2517.0	2740.6	2961.7	3098.4	3235.0	3322.0	3406.5	2375.3	956.6	487.0	17.4
72.5°	2715.7	2917.0	3115.8	3185.4	3252.4	3100.9	2946.8	1980.3	718.1	367.7	14.9
75°	2894.6	2991.5	3086.0	2936.9	2787.8	2380.3	1972.8	1247.3	350.3	183.9	14.9
77.5°	2713.3	2661.1	2608.9	2151.7	1692.1	1257.2	819.9	489.5	109.3	59.6	9.9
80°	1965.4	1726.8	1485.8	1028.7	569.0	380.2	188.8	109.3	27.3	17.4	7.5
82.5°	1058.5	817.5	574.0	370.2	166.5	111.8	54.7	37.3	12.4	9.9	5.0
85°	382.6	303.1	221.1	171.4	121.7	72.1	19.9	12.4	7.5	7.5	5.0
87.5°	34.8	39.8	44.7	34.8	22.4	14.9	5.0	5.0	5.0	5.0	2.5
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°	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3
2.5°	586.4	583.9	581.4	576.4	574.0	571.5	554.1	536.7	516.8	496.9	496.9
5°	534.2	501.9	484.5	467.1	454.7	442.3	439.8	434.8	429.8	424.9	422.4
7.5°	447.2	434.8	424.9	414.9	402.5	390.1	377.7	365.2	355.3	345.4	323.0
10°	335.4	315.6	300.6	285.7	278.3	268.3	253.4	236.0	236.0	236.0	233.6
12.5°	290.7	288.2	251.0	211.2	198.8	186.4	183.9	181.4	176.4	169.0	159.0
15°	288.2	223.6	191.3	156.5	149.1	139.1	124.2	106.8	104.4	99.4	111.8
17.5°	260.9	211.2	173.9	136.7	109.3	82.0	87.0	89.4	101.9	111.8	119.3
20°	236.0	149.1	124.2	96.9	89.4	79.5	84.5	89.4	87.0	82.0	94.4
22.5°	221.1	159.0	116.8	74.5	79.5	84.5	79.5	72.1	84.5	96.9	104.4
25°	213.7	101.9	91.9	79.5	74.5	69.6	79.5	87.0	82.0	77.0	91.9
27.5°	211.2	101.9	87.0	69.6	74.5	79.5	77.0	72.1	82.0	89.4	87.0
30°	226.1	91.9	82.0	72.1	69.6	67.1	72.1	77.0	77.0	74.5	87.0
32.5°	201.3	91.9	82.0	69.6	69.6	67.1	67.1	67.1	74.5	82.0	87.0
35°	173.9	84.5	77.0	67.1	64.6	62.1	64.6	64.6	72.1	77.0	87.0
37.5°	144.1	79.5	72.1	62.1	59.6	57.1	57.1	54.7	62.1	69.6	77.0
40°	116.8	74.5	67.1	57.1	54.7	52.2	52.2	52.2	57.1	59.6	64.6
42.5°	96.9	69.6	62.1	52.2	49.7	47.2	47.2	44.7	47.2	49.7	52.2
45°	84.5	67.1	59.6	49.7	47.2	42.2	39.8	37.3	37.3	37.3	37.3
47.5°	74.5	62.1	57.1	49.7	44.7	37.3	34.8	29.8	27.3	24.8	22.4
50°	69.6	57.1	52.2	44.7	39.8	32.3	27.3	22.4	19.9	14.9	14.9
52.5°	64.6	52.2	47.2	39.8	32.3	24.8	19.9	12.4	12.4	9.9	9.9
55°	62.1	49.7	42.2	34.8	27.3	17.4	12.4	7.5	7.5	5.0	5.0
57.5°	59.6	47.2	39.8	29.8	19.9	9.9	7.5	5.0	5.0	5.0	5.0
60°	52.2	42.2	32.3	19.9	12.4	5.0	5.0	2.5	5.0	5.0	5.0
62.5°	42.2	32.3	22.4	12.4	7.5	2.5	2.5	2.5	5.0	5.0	5.0
65°	29.8	22.4	14.9	7.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5
67.5°	22.4	17.4	12.4	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5
70°	14.9	12.4	9.9	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	12.4	9.9	7.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5
75°	12.4	9.9	7.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5
77.5°	9.9	7.5	5.0	2.5	2.5	0.0	2.5	5.0	5.0	5.0	5.0
80°	7.5	5.0	5.0	2.5	2.5	0.0	2.5	5.0	5.0	5.0	5.0
82.5°	5.0	5.0	5.0	2.5	2.5	0.0	5.0	7.5	7.5	5.0	5.0
85°	5.0	2.5	2.5	2.5	2.5	2.5	5.0	7.5	7.5	7.5	5.0
87.5°	2.5	2.5	2.5	2.5	2.5	2.5	5.0	7.5	7.5	7.5	5.0
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°	606.3	606.3	606.3	606.3
2.5°	494.5	494.5	492.0	492.0
5°	417.4	417.4	414.9	414.9
7.5°	300.6	295.7	288.2	290.7
10°	231.1	226.1	221.1	226.1
12.5°	149.1	151.6	151.6	144.1
15°	121.7	131.7	139.1	139.1
17.5°	126.7	126.7	124.2	124.2
20°	106.8	116.8	126.7	126.7
22.5°	109.3	104.4	99.4	99.4
25°	104.4	111.8	116.8	116.8
27.5°	84.5	87.0	89.4	89.4
30°	96.9	101.9	104.4	104.4
32.5°	91.9	96.9	99.4	101.9
35°	94.4	99.4	101.9	101.9
37.5°	84.5	87.0	89.4	89.4
40°	67.1	69.6	72.1	72.1
42.5°	52.2	52.2	49.7	52.2
45°	34.8	34.8	32.3	34.8
47.5°	19.9	19.9	19.9	19.9
50°	12.4	12.4	12.4	12.4
52.5°	7.5	7.5	7.5	7.5
55°	5.0	5.0	5.0	5.0
57.5°	5.0	5.0	2.5	2.5
60°	2.5	2.5	2.5	2.5
62.5°	2.5	2.5	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°	2.5	2.5	0.0	0.0
77.5°	2.5	2.5	0.0	0.0
80°	2.5	2.5	0.0	0.0
82.5°	2.5	2.5	0.0	0.0
85°	2.5	2.5	2.5	0.0
87.5°	2.5	2.5	2.5	0.0
90°	0.0	0.0	0.0	0.0



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