

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: P560699

Luminaire Tested: **SDL-PA1-60-727-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-727-U-T3
Description: Springdale
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6244.3 lumens
Efficiency: N/A
Efficacy: 100.1 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

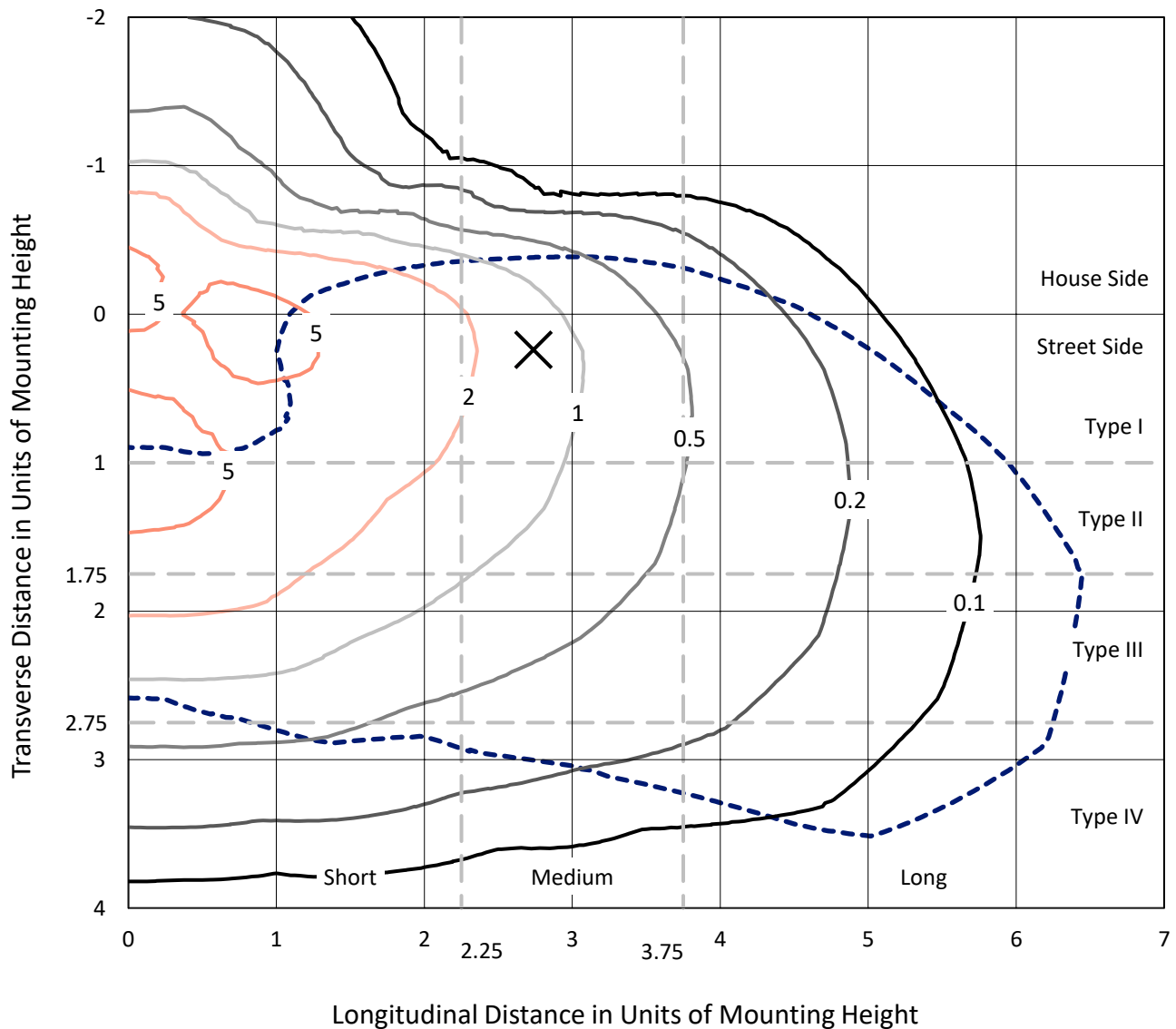


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

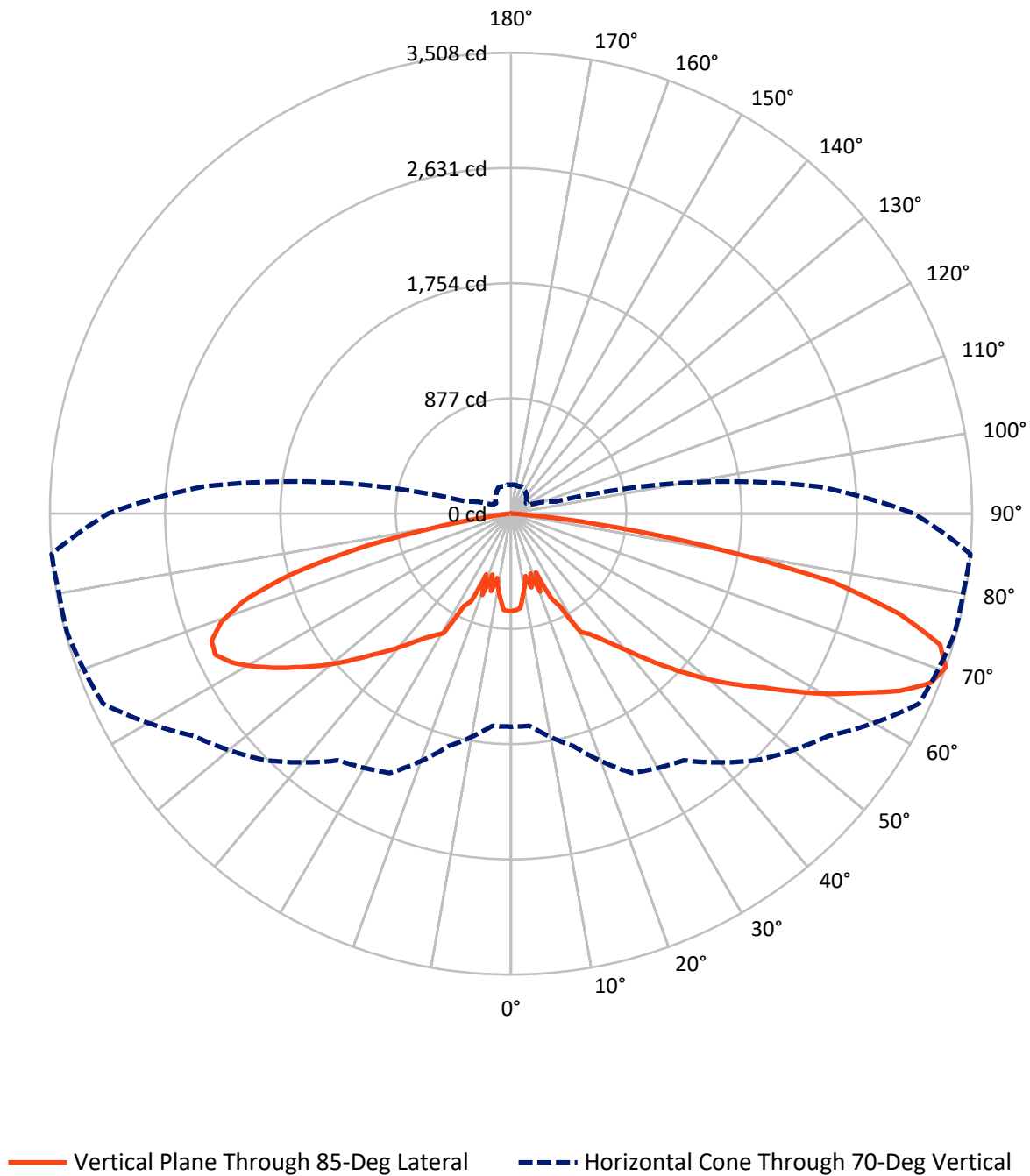


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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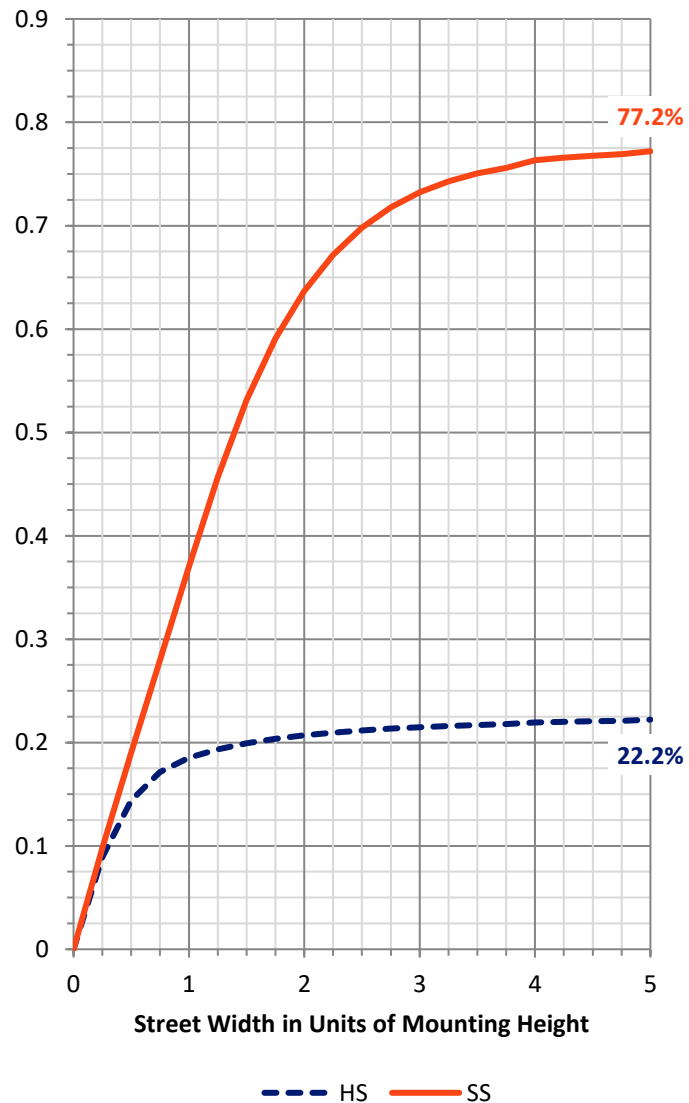
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1411.9	0.0	1411.9
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	4832.5	0.0	4832.5
	% Fixture	77.4	0.0	77.4
Total	Lumens	6244.3	0.0	6244.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	1.0
10°-20°	150.8	2.4
20°-30°	275.6	4.4
30°-40°	520.4	8.3
40°-50°	847.7	13.6
50°-60°	1307.8	20.9
60°-70°	1603.0	25.7
70°-80°	1255.4	20.1
80°-90°	223.5	3.6
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°	6244.3	100.0
0°-180°	6244.3	100.0

Coefficient of Utilization



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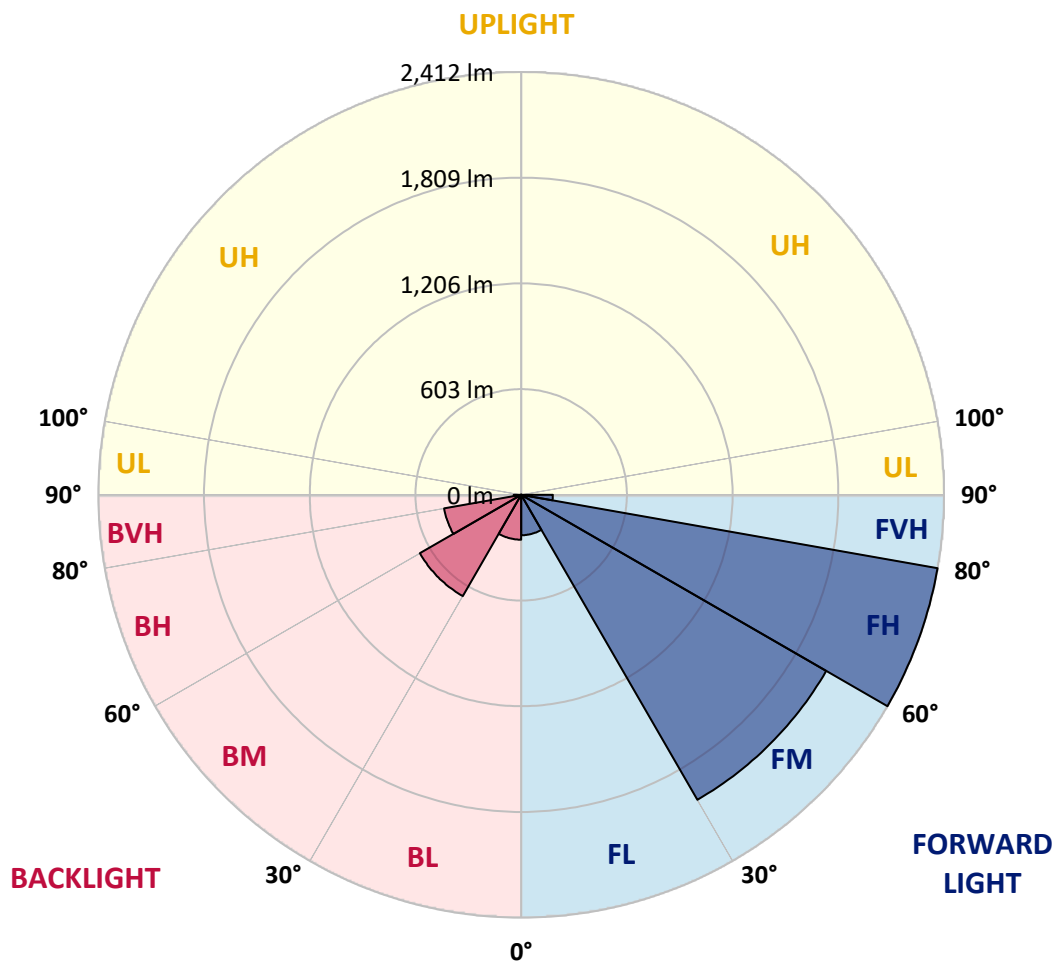
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	230.5	3.7			
FM	(30°-60°)	2008.9	32.2			
FH	(60°-80°)	2412.0	38.6			G2/5000
FVH	(80°-90°)	181.0	2.9			G2/225
BL	(0°-30°)	256.1	4.1	B1/500		
BM	(30°-60°)	666.9	10.7	B1/1000		
BH	(60°-80°)	446.4	7.1	B1/500		G1/500
BVH	(80°-90°)	42.5	0.7			G1/100
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°	741.7	741.7	741.7	741.7	741.7	741.7	741.7	741.7	741.7	741.7	741.7
2.5°	611.6	666.4	666.4	666.4	677.8	687.0	691.5	693.8	702.9	709.8	714.3
5°	570.6	572.8	572.8	572.8	575.1	577.4	579.7	582.0	586.5	588.8	595.7
7.5°	479.3	488.4	506.7	522.6	534.1	545.5	554.6	561.4	566.0	570.6	572.8
10°	534.1	534.1	534.1	534.1	534.1	534.1	506.7	479.3	481.6	481.6	467.9
12.5°	447.3	461.0	481.6	499.8	515.8	529.5	511.2	493.0	458.7	424.5	424.5
15°	518.1	518.1	515.8	513.5	483.8	454.2	426.8	399.4	417.7	435.9	404.0
17.5°	445.0	447.3	474.7	499.8	495.3	488.4	463.3	435.9	392.5	346.9	392.5
20°	570.6	563.7	550.0	536.3	472.4	408.5	419.9	431.3	442.8	451.9	451.9
22.5°	524.9	529.5	538.6	547.7	540.9	531.8	465.6	399.4	438.2	477.0	442.8
25°	718.9	718.9	691.5	664.1	595.7	524.9	536.3	545.5	479.3	410.8	467.9
27.5°	664.1	659.6	648.2	634.5	648.2	659.6	600.2	538.6	556.9	575.1	527.2
30°	883.2	883.2	871.8	860.4	762.3	661.9	655.0	645.9	607.1	566.0	593.4
32.5°	1059.0	1056.7	1004.2	951.7	896.9	839.9	780.5	718.9	714.3	709.8	705.2
35°	1268.9	1268.9	1239.3	1209.6	1088.6	965.4	894.6	823.9	803.4	782.8	798.8
37.5°	1387.6	1403.6	1392.2	1378.5	1246.1	1111.5	1013.3	912.9	892.4	871.8	878.7
40°	1551.9	1547.4	1545.1	1540.5	1387.6	1234.7	1129.7	1022.5	1008.8	995.1	995.1
42.5°	1800.7	1775.6	1748.2	1718.5	1563.4	1408.2	1291.8	1173.1	1148.0	1120.6	1122.9
45°	2143.0	2115.7	2051.8	1985.6	1828.1	1670.6	1515.4	1360.2	1316.9	1271.2	1266.7
47.5°	2353.0	2323.3	2291.4	2257.2	2088.3	1919.4	1759.6	1597.6	1533.7	1469.8	1444.7
50°	2569.8	2542.4	2517.3	2492.2	2343.9	2195.5	2035.8	1876.0	1775.6	1675.2	1631.8
52.5°	2775.2	2725.0	2699.9	2674.8	2549.3	2421.5	2254.9	2088.3	2013.0	1937.6	1844.1
55°	2875.7	2814.0	2804.9	2793.5	2699.9	2604.1	2444.3	2284.5	2200.1	2113.4	2019.8
57.5°	2734.2	2738.7	2788.9	2839.1	2786.6	2734.2	2583.5	2432.9	2348.5	2264.0	2193.3
60°	2606.3	2640.6	2702.2	2763.8	2768.4	2770.7	2690.8	2610.9	2517.3	2423.8	2369.0
62.5°	2430.6	2455.7	2551.6	2645.1	2715.9	2784.4	2702.2	2620.0	2588.1	2553.9	2519.6
65°	2193.3	2200.1	2309.7	2416.9	2544.7	2670.3	2606.3	2542.4	2597.2	2649.7	2654.3
67.5°	1903.4	1924.0	2031.2	2138.5	2293.7	2446.6	2444.3	2442.0	2558.4	2672.5	2752.4
70°	1620.4	1620.4	1725.4	1830.4	2003.8	2177.3	2234.3	2291.4	2471.7	2652.0	2800.3
72.5°	1221.0	1278.1	1332.8	1387.6	1581.6	1773.3	1898.8	2024.4	2293.7	2560.7	2786.6
75°	673.3	677.8	725.8	773.7	967.7	1161.7	1351.1	1540.5	1901.1	2261.7	2617.8
77.5°	221.4	214.5	241.9	267.0	381.1	493.0	652.7	812.5	1209.6	1606.7	2179.6
80°	123.2	125.5	134.7	143.8	180.3	214.5	292.1	369.7	538.6	705.2	1385.3
82.5°	82.2	84.4	93.6	102.7	118.7	134.7	178.0	219.1	235.1	248.8	625.3
85°	52.5	54.8	59.3	63.9	68.5	70.8	100.4	130.1	118.7	107.3	187.1
87.5°	11.4	11.4	13.7	13.7	16.0	18.3	22.8	27.4	25.1	20.5	27.4
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°	741.7	741.7	741.7	741.7	741.7	741.7	741.7	741.7	741.7	741.7	741.7
2.5°	716.6	721.2	723.5	725.8	728.0	732.6	734.9	737.2	741.7	744.0	744.0
5°	602.5	643.6	682.4	696.1	709.8	716.6	721.2	728.0	732.6	737.2	741.7
7.5°	575.1	577.4	579.7	595.7	611.6	625.3	639.0	643.6	655.0	648.2	639.0
10°	451.9	454.2	454.2	470.1	486.1	534.1	566.0	572.8	579.7	552.3	522.6
12.5°	422.2	433.6	445.0	438.2	431.3	465.6	488.4	497.5	502.1	483.8	465.6
15°	369.7	381.1	390.3	442.8	495.3	540.9	582.0	593.4	607.1	577.4	545.5
17.5°	438.2	433.6	426.8	435.9	445.0	456.5	479.3	486.1	486.1	495.3	504.4
20°	451.9	401.7	351.5	445.0	538.6	579.7	632.2	650.4	655.0	629.9	604.8
22.5°	406.2	463.3	520.4	508.9	497.5	486.1	486.1	493.0	499.8	504.4	508.9
25°	522.6	474.7	426.8	536.3	645.9	689.2	714.3	725.8	734.9	702.9	668.7
27.5°	479.3	543.2	604.8	652.7	700.7	748.6	801.1	851.3	789.7	760.0	730.3
30°	618.5	671.0	723.5	837.6	951.7	1013.3	1045.3	1045.3	1045.3	1001.9	956.3
32.5°	700.7	791.9	883.2	944.9	1004.2	1065.8	1090.9	1090.9	1090.9	1038.4	983.7
35°	812.5	885.5	958.6	1029.3	1100.1	1148.0	1166.2	1159.4	1145.7	1074.9	1004.2
37.5°	885.5	983.7	1081.8	1154.8	1225.6	1255.2	1262.1	1241.6	1221.0	1127.4	1031.6
40°	995.1	1102.3	1207.3	1284.9	1362.5	1387.6	1373.9	1346.5	1310.0	1184.5	1059.0
42.5°	1122.9	1230.1	1337.4	1428.7	1517.7	1533.7	1513.1	1469.8	1405.9	1234.7	1061.3
45°	1262.1	1369.4	1474.3	1577.0	1679.7	1691.2	1663.8	1599.9	1506.3	1282.6	1059.0
47.5°	1417.3	1501.7	1586.2	1732.2	1878.3	1864.6	1823.5	1750.5	1627.3	1339.7	1049.8
50°	1588.5	1654.6	1718.5	1901.1	2083.7	2042.6	1997.0	1917.1	1755.1	1405.9	1054.4
52.5°	1748.2	1812.1	1876.0	2065.5	2252.6	2213.8	2163.6	2092.8	1885.2	1476.6	1065.8
55°	1926.2	1994.7	2063.2	2264.0	2464.8	2398.7	2334.8	2289.1	2013.0	1536.0	1059.0
57.5°	2120.2	2207.0	2293.7	2478.5	2661.1	2590.4	2553.9	2494.5	2154.5	1606.7	1059.0
60°	2314.2	2419.2	2524.2	2686.2	2848.3	2791.2	2784.4	2702.2	2286.8	1659.2	1029.3
62.5°	2485.4	2642.9	2800.3	2928.1	3053.7	2998.9	3001.2	2905.3	2410.1	1670.6	928.9
65°	2658.8	2862.0	3062.8	3156.4	3249.9	3211.1	3249.9	3078.8	2492.2	1625.0	757.7
67.5°	2830.0	3053.7	3277.3	3348.1	3418.8	3396.0	3441.7	3135.8	2474.0	1506.3	536.3
70°	2948.7	3186.0	3423.4	3459.9	3496.4	3491.9	3507.8	3065.1	2350.7	1353.4	353.8
72.5°	3012.6	3236.3	3457.6	3473.6	3487.3	3480.5	3414.3	2843.7	2129.4	1186.8	244.2
75°	2971.5	3188.3	3405.1	3373.2	3341.2	3277.3	3056.0	2448.9	1745.9	963.1	180.3
77.5°	2752.4	2987.5	3222.6	3140.4	3056.0	2868.8	2496.8	1834.9	1214.2	677.8	139.2
80°	2065.5	2355.3	2645.1	2547.0	2446.6	2051.8	1520.0	1027.0	627.6	367.4	107.3
82.5°	999.6	1161.7	1323.7	1298.6	1273.5	942.6	657.3	369.7	180.3	132.4	84.4
85°	264.7	392.5	520.4	497.5	474.7	251.0	109.5	95.9	70.8	66.2	59.3
87.5°	32.0	36.5	38.8	27.4	13.7	11.4	11.4	6.8	6.8	9.1	9.1
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°	741.7	741.7	741.7	741.7	741.7	741.7	741.7	741.7	741.7	741.7	741.7
2.5°	748.6	750.9	750.9	750.9	750.9	750.9	732.6	714.3	709.8	705.2	696.1
5°	721.2	698.4	682.4	666.4	666.4	664.1	671.0	677.8	682.4	684.7	687.0
7.5°	641.3	643.6	657.3	668.7	680.1	689.2	696.1	700.7	696.1	689.2	661.9
10°	524.9	527.2	538.6	547.7	563.7	577.4	616.2	652.7	696.1	739.5	750.9
12.5°	499.8	531.8	513.5	495.3	545.5	593.4	643.6	691.5	725.8	757.7	734.9
15°	508.9	472.4	479.3	486.1	547.7	609.4	572.8	534.1	625.3	716.6	737.2
17.5°	506.7	506.7	540.9	575.1	518.1	458.7	543.2	625.3	661.9	696.1	668.7
20°	540.9	474.7	499.8	522.6	568.3	611.6	575.1	538.6	552.3	566.0	655.0
22.5°	563.7	616.2	559.2	499.8	540.9	582.0	575.1	568.3	609.4	650.4	627.6
25°	588.8	506.7	547.7	586.5	540.9	493.0	529.5	563.7	552.3	540.9	611.6
27.5°	675.6	618.5	566.0	513.5	540.9	566.0	538.6	508.9	520.4	531.8	527.2
30°	817.1	675.6	609.4	543.2	508.9	472.4	474.7	477.0	490.7	504.4	543.2
32.5°	853.6	723.5	627.6	531.8	508.9	486.1	465.6	442.8	463.3	483.8	529.5
35°	862.7	718.9	616.2	513.5	477.0	440.5	426.8	413.1	447.3	481.6	522.6
37.5°	858.1	682.4	572.8	463.3	435.9	408.5	401.7	392.5	415.4	435.9	465.6
40°	846.7	634.5	524.9	415.4	392.5	369.7	365.2	360.6	376.6	392.5	410.8
42.5°	826.2	588.8	479.3	369.7	353.8	337.8	333.2	326.4	340.1	353.8	360.6
45°	801.1	543.2	440.5	335.5	324.1	310.4	303.5	294.4	308.1	319.5	321.8
47.5°	776.0	499.8	406.2	310.4	301.3	289.8	283.0	273.9	285.3	294.4	296.7
50°	755.4	454.2	369.7	285.3	276.2	267.0	260.2	253.3	264.7	273.9	273.9
52.5°	744.0	419.9	337.8	255.6	251.0	246.5	244.2	239.6	248.8	257.9	260.2
55°	716.6	372.0	301.3	228.2	230.5	230.5	228.2	223.7	241.9	257.9	264.7
57.5°	687.0	315.0	262.5	207.7	212.3	216.8	219.1	221.4	241.9	260.2	269.3
60°	648.2	267.0	228.2	189.4	196.3	200.8	212.3	221.4	239.6	257.9	262.5
62.5°	579.7	228.2	200.8	173.5	182.6	191.7	205.4	219.1	232.8	246.5	246.5
65°	479.3	198.6	180.3	159.8	173.5	184.9	200.8	216.8	228.2	237.4	235.1
67.5°	358.3	178.0	164.3	148.3	164.3	178.0	191.7	205.4	219.1	232.8	228.2
70°	257.9	159.8	150.6	139.2	152.9	166.6	180.3	194.0	207.7	221.4	219.1
72.5°	196.3	146.1	136.9	127.8	141.5	152.9	168.9	184.9	198.6	212.3	207.7
75°	157.5	132.4	125.5	116.4	130.1	143.8	159.8	173.5	187.1	200.8	196.3
77.5°	130.1	118.7	111.8	105.0	116.4	127.8	143.8	159.8	173.5	184.9	180.3
80°	105.0	100.4	95.9	89.0	102.7	114.1	130.1	143.8	155.2	166.6	159.8
82.5°	82.2	79.9	77.6	73.0	84.4	95.9	111.8	127.8	136.9	146.1	141.5
85°	61.6	61.6	59.3	57.1	66.2	73.0	82.2	89.0	98.1	105.0	100.4
87.5°	9.1	9.1	13.7	16.0	16.0	16.0	22.8	29.7	29.7	27.4	22.8
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°	741.7	741.7	741.7	741.7
2.5°	687.0	687.0	687.0	689.2
5°	689.2	691.5	691.5	696.1
7.5°	632.2	629.9	627.6	627.6
10°	760.0	764.6	766.8	771.4
12.5°	709.8	682.4	655.0	655.0
15°	757.7	762.3	764.6	769.1
17.5°	641.3	639.0	636.8	632.2
20°	741.7	746.3	748.6	748.6
22.5°	604.8	604.8	602.5	602.5
25°	682.4	682.4	682.4	687.0
27.5°	520.4	536.3	552.3	572.8
30°	582.0	584.3	586.5	586.5
32.5°	575.1	604.8	634.5	639.0
35°	563.7	563.7	561.4	563.7
37.5°	495.3	488.4	479.3	483.8
40°	426.8	410.8	394.8	392.5
42.5°	367.4	353.8	337.8	337.8
45°	324.1	315.0	303.5	299.0
47.5°	296.7	287.6	278.4	276.2
50°	271.6	262.5	253.3	253.3
52.5°	262.5	255.6	246.5	244.2
55°	271.6	257.9	244.2	239.6
57.5°	276.2	260.2	244.2	237.4
60°	264.7	255.6	244.2	235.1
62.5°	244.2	239.6	235.1	230.5
65°	230.5	230.5	228.2	223.7
67.5°	223.7	225.9	225.9	221.4
70°	214.5	219.1	221.4	216.8
72.5°	203.1	205.4	205.4	198.6
75°	189.4	187.1	184.9	180.3
77.5°	173.5	171.2	166.6	162.0
80°	152.9	150.6	148.3	141.5
82.5°	134.7	139.2	141.5	116.4
85°	93.6	84.4	75.3	61.6
87.5°	18.3	13.7	6.8	6.8
90°	0.0	0.0	0.0	0.0

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