

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: P561007

Luminaire Tested: **SDL-PA1-70-830-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561007
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-PA1-70-830-U-T3
Description: Springdale
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6727.8 lumens
Efficiency: N/A
Efficacy: 93.2 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): 72.2
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

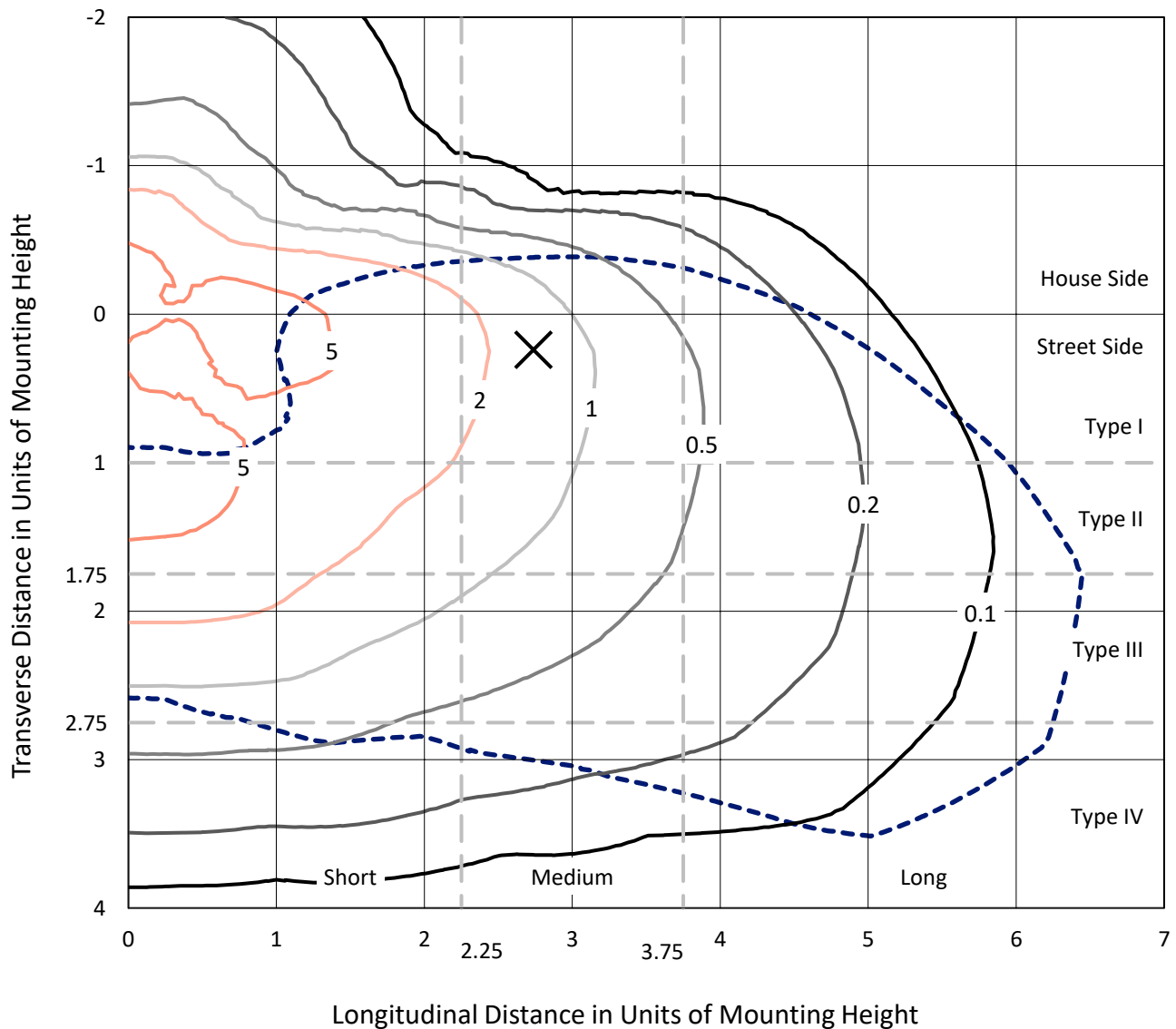


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

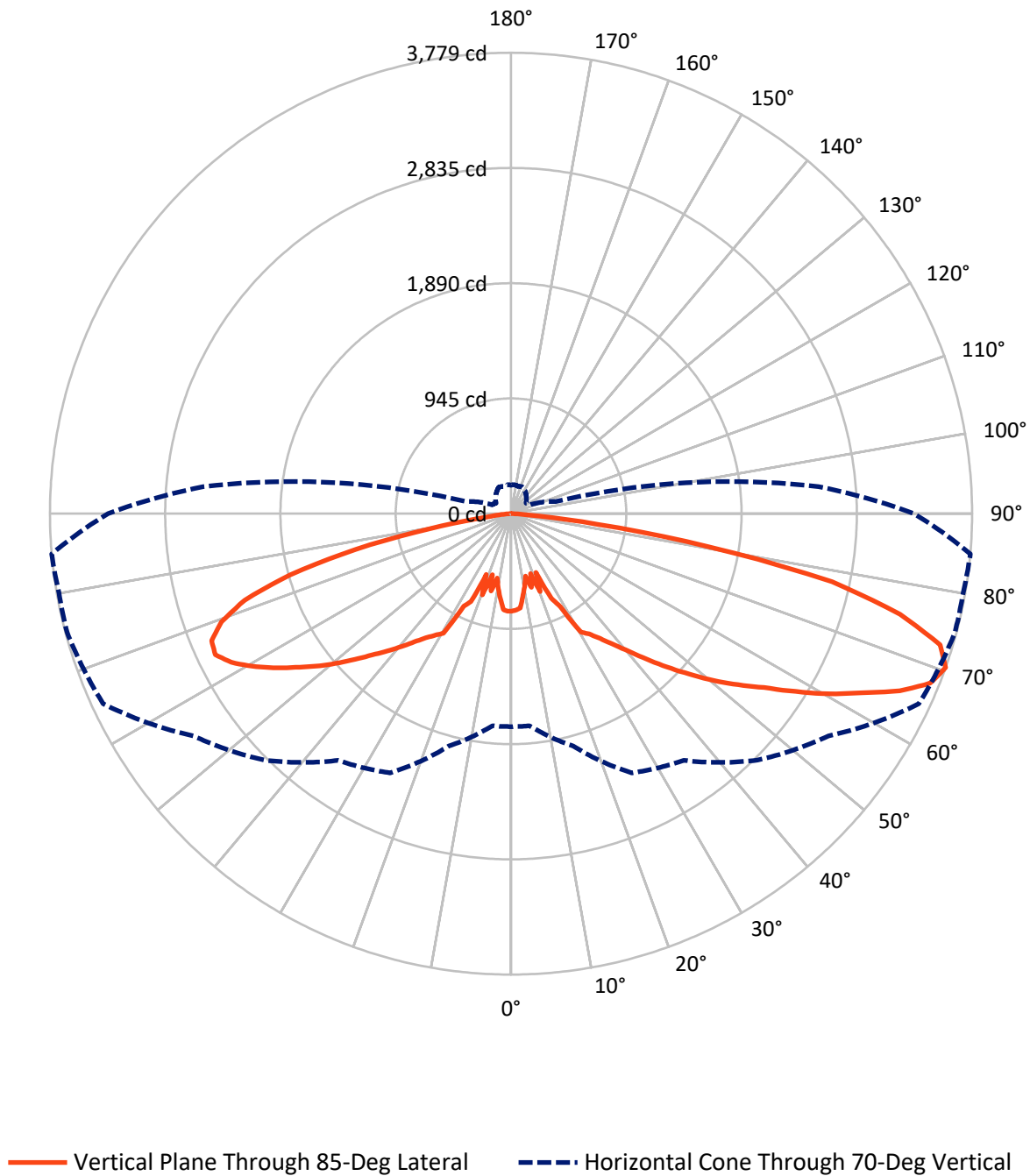


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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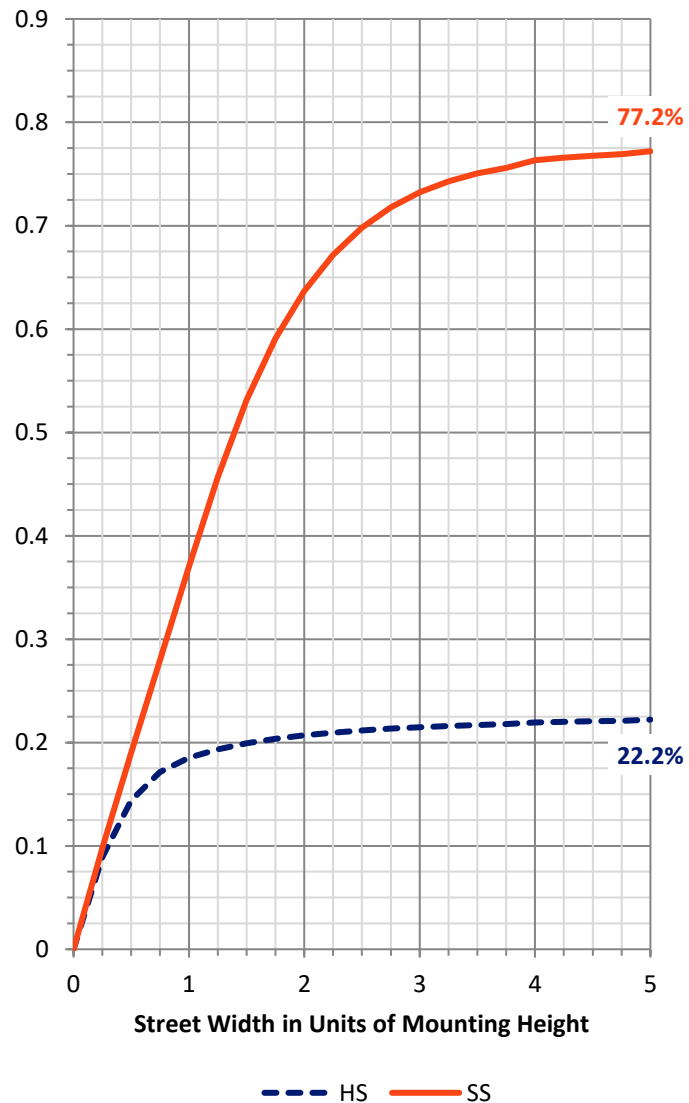
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1521.2	0.0	1521.2
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	5206.6	0.0	5206.6
	% Fixture	77.4	0.0	77.4
Total	Lumens	6727.8	0.0	6727.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.9	1.0
10°-20°	162.5	2.4
20°-30°	296.9	4.4
30°-40°	560.7	8.3
40°-50°	913.3	13.6
50°-60°	1409.0	20.9
60°-70°	1727.1	25.7
70°-80°	1352.6	20.1
80°-90°	240.8	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°	6727.8	100.0
0°-180°	6727.8	100.0

Coefficient of Utilization



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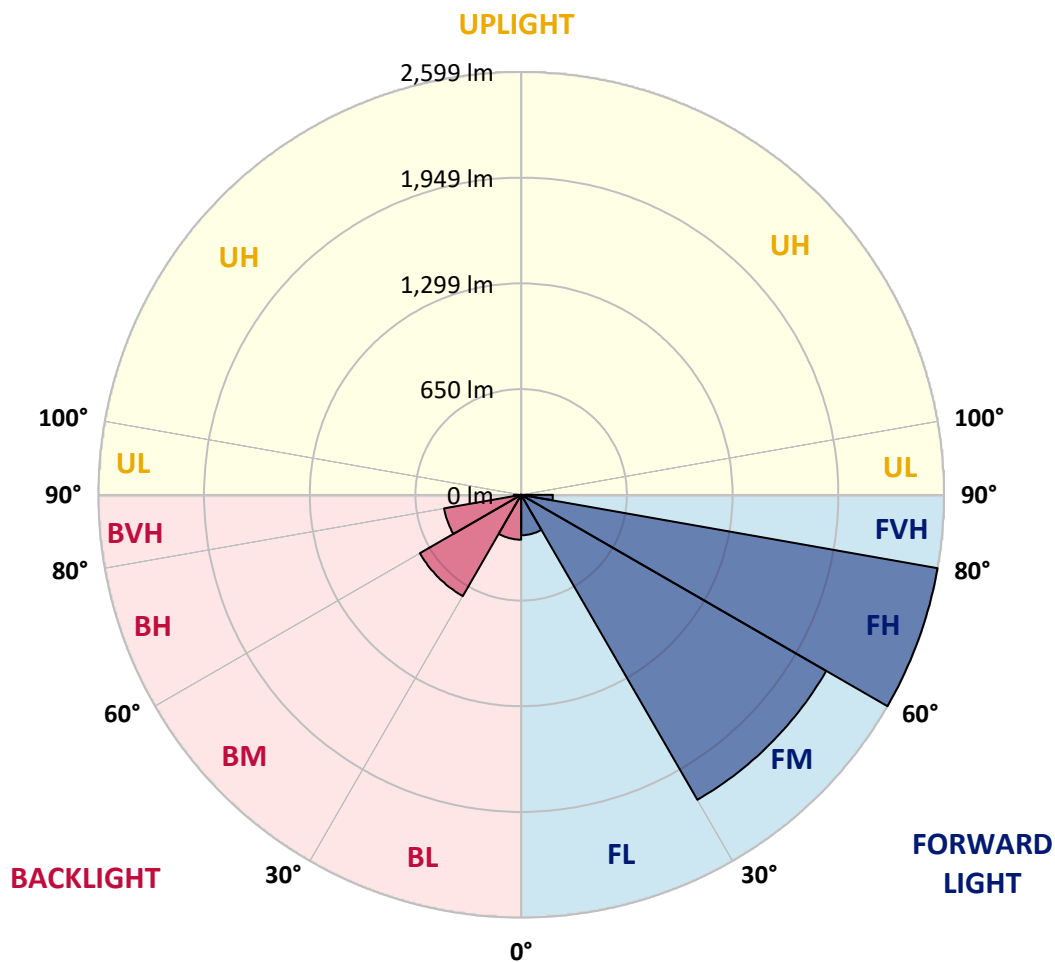
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	248.4	3.7			
FM	(30°-60°)	2164.5	32.2			
FH	(60°-80°)	2598.7	38.6			G2/5000
FVH	(80°-90°)	195.0	2.9			G2/225
BL	(0°-30°)	275.9	4.1	B1/500		
BM	(30°-60°)	718.6	10.7	B1/1000		
BH	(60°-80°)	480.9	7.1	B1/500		G1/500
BVH	(80°-90°)	45.8	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°	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2
2.5°	659.0	718.0	718.0	718.0	730.3	740.1	745.1	747.5	757.4	764.7	769.7
5°	614.7	617.2	617.2	617.2	619.7	622.1	624.6	627.0	632.0	634.4	641.8
7.5°	516.4	526.2	545.9	563.1	575.4	587.7	597.5	604.9	609.8	614.7	617.2
10°	575.4	575.4	575.4	575.4	575.4	575.4	545.9	516.4	518.8	518.8	504.1
12.5°	482.0	496.7	518.8	538.5	555.7	570.5	550.8	531.1	494.2	457.4	457.4
15°	558.2	558.2	555.7	553.3	521.3	489.3	459.8	430.3	450.0	469.7	435.2
17.5°	479.5	482.0	511.5	538.5	533.6	526.2	499.2	469.7	422.9	373.8	422.9
20°	614.7	607.4	592.6	577.9	509.0	440.2	452.4	464.7	477.0	486.9	486.9
22.5°	565.6	570.5	580.3	590.1	582.8	572.9	501.6	430.3	472.1	513.9	477.0
25°	774.6	774.6	745.1	715.6	641.8	565.6	577.9	587.7	516.4	442.6	504.1
27.5°	715.6	710.6	698.3	683.6	698.3	710.6	646.7	580.3	600.0	619.7	568.0
30°	951.6	951.6	939.3	927.0	821.3	713.1	705.7	695.9	654.1	609.8	639.3
32.5°	1141.0	1138.5	1081.9	1025.4	966.4	904.9	841.0	774.6	769.7	764.7	759.8
35°	1367.2	1367.2	1335.2	1303.2	1172.9	1040.1	963.9	887.7	865.6	843.4	860.6
37.5°	1495.0	1512.3	1500.0	1485.2	1342.6	1197.5	1091.8	983.6	961.5	939.3	946.7
40°	1672.1	1667.2	1664.7	1659.8	1495.0	1330.3	1217.2	1101.6	1086.9	1072.1	1072.1
42.5°	1940.1	1913.1	1883.6	1851.6	1684.4	1517.2	1391.8	1263.9	1236.9	1207.3	1209.8
45°	2309.0	2279.4	2210.6	2139.3	1969.6	1800.0	1632.7	1465.5	1418.8	1369.6	1364.7
47.5°	2535.2	2503.2	2468.8	2431.9	2249.9	2068.0	1895.9	1721.3	1652.4	1583.6	1556.5
50°	2768.8	2739.3	2712.2	2685.2	2525.3	2365.5	2193.4	2021.3	1913.1	1804.9	1758.2
52.5°	2990.1	2936.0	2908.9	2881.9	2746.6	2608.9	2429.4	2249.9	2168.8	2087.7	1986.8
55°	3098.3	3031.9	3022.1	3009.8	2908.9	2805.7	2633.5	2461.4	2370.4	2277.0	2176.2
57.5°	2945.8	2950.7	3004.8	3058.9	3002.4	2945.8	2783.5	2621.2	2530.3	2439.3	2363.1
60°	2808.1	2845.0	2911.4	2977.8	2982.7	2985.2	2899.1	2813.0	2712.2	2611.4	2552.4
62.5°	2618.8	2645.8	2749.1	2849.9	2926.2	2999.9	2911.4	2822.9	2788.5	2751.6	2714.7
65°	2363.1	2370.4	2488.5	2604.0	2741.7	2877.0	2808.1	2739.3	2798.3	2854.8	2859.8
67.5°	2050.8	2072.9	2188.5	2304.0	2471.2	2636.0	2633.5	2631.1	2756.5	2879.4	2965.5
70°	1745.9	1745.9	1859.0	1972.1	2159.0	2345.8	2407.3	2468.8	2663.0	2857.3	3017.1
72.5°	1315.5	1377.0	1436.0	1495.0	1704.1	1910.6	2045.8	2181.1	2471.2	2758.9	3002.4
75°	725.4	730.3	781.9	833.6	1042.6	1251.6	1455.7	1659.8	2048.3	2436.8	2820.4
77.5°	238.5	231.1	260.6	287.7	410.6	531.1	703.3	875.4	1303.2	1731.1	2348.3
80°	132.8	135.2	145.1	154.9	194.3	231.1	314.7	398.4	580.3	759.8	1492.6
82.5°	88.5	91.0	100.8	110.7	127.9	145.1	191.8	236.1	253.3	268.0	673.8
85°	56.6	59.0	63.9	68.9	73.8	76.2	108.2	140.2	127.9	115.6	201.6
87.5°	12.3	12.3	14.8	14.8	17.2	19.7	24.6	29.5	27.0	22.1	29.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2
2.5°	772.1	777.0	779.5	781.9	784.4	789.3	791.8	794.2	799.2	801.6	801.6
5°	649.2	693.4	735.2	750.0	764.7	772.1	777.0	784.4	789.3	794.2	799.2
7.5°	619.7	622.1	624.6	641.8	659.0	673.8	688.5	693.4	705.7	698.3	688.5
10°	486.9	489.3	489.3	506.5	523.8	575.4	609.8	617.2	624.6	595.1	563.1
12.5°	454.9	467.2	479.5	472.1	464.7	501.6	526.2	536.1	541.0	521.3	501.6
15°	398.4	410.6	420.5	477.0	533.6	582.8	627.0	639.3	654.1	622.1	587.7
17.5°	472.1	467.2	459.8	469.7	479.5	491.8	516.4	523.8	523.8	533.6	543.4
20°	486.9	432.8	378.7	479.5	580.3	624.6	681.1	700.8	705.7	678.7	651.6
22.5°	437.7	499.2	560.6	548.3	536.1	523.8	523.8	531.1	538.5	543.4	548.3
25°	563.1	511.5	459.8	577.9	695.9	742.6	769.7	781.9	791.8	757.4	720.5
27.5°	516.4	585.2	651.6	703.3	754.9	806.5	863.1	917.2	850.8	818.8	786.9
30°	666.4	722.9	779.5	902.4	1025.4	1091.8	1126.2	1126.2	1126.2	1079.5	1030.3
32.5°	754.9	853.3	951.6	1018.0	1081.9	1148.3	1175.4	1175.4	1175.4	1118.8	1059.8
35°	875.4	954.1	1032.8	1109.0	1185.2	1236.9	1256.5	1249.1	1234.4	1158.2	1081.9
37.5°	954.1	1059.8	1165.5	1244.2	1320.5	1352.4	1359.8	1337.7	1315.5	1214.7	1111.4
40°	1072.1	1187.7	1300.8	1384.4	1468.0	1495.0	1480.3	1450.8	1411.4	1276.2	1141.0
42.5°	1209.8	1325.4	1440.9	1539.3	1635.2	1652.4	1630.3	1583.6	1514.7	1330.3	1143.4
45°	1359.8	1475.4	1588.5	1699.1	1809.8	1822.1	1792.6	1723.7	1622.9	1381.9	1141.0
47.5°	1527.0	1618.0	1709.0	1866.3	2023.7	2009.0	1964.7	1886.0	1753.2	1443.4	1131.1
50°	1711.4	1782.7	1851.6	2048.3	2245.0	2200.8	2151.6	2065.5	1890.9	1514.7	1136.0
52.5°	1883.6	1952.4	2021.3	2225.4	2427.0	2385.2	2331.1	2254.9	2031.1	1590.9	1148.3
55°	2075.4	2149.1	2222.9	2439.3	2655.7	2584.4	2515.5	2466.3	2168.8	1654.9	1141.0
57.5°	2284.4	2377.8	2471.2	2670.4	2867.1	2790.9	2751.6	2687.6	2321.3	1731.1	1141.0
60°	2493.4	2606.5	2719.6	2894.2	3068.8	3007.3	2999.9	2911.4	2463.9	1787.7	1109.0
62.5°	2677.8	2847.5	3017.1	3154.8	3290.1	3231.1	3233.5	3130.2	2596.7	1800.0	1000.8
65°	2864.7	3083.5	3299.9	3400.7	3501.5	3459.7	3501.5	3317.1	2685.2	1750.8	816.4
67.5°	3049.1	3290.1	3531.1	3607.3	3683.5	3658.9	3708.1	3378.6	2665.5	1622.9	577.9
70°	3177.0	3432.7	3688.4	3727.8	3767.1	3762.2	3779.4	3302.4	2532.7	1458.2	381.1
72.5°	3245.8	3486.8	3725.3	3742.5	3757.3	3749.9	3678.6	3063.9	2294.2	1278.7	263.1
75°	3201.6	3435.2	3668.8	3634.3	3599.9	3531.1	3292.5	2638.5	1881.1	1037.7	194.3
77.5°	2965.5	3218.8	3472.0	3383.5	3292.5	3090.9	2690.1	1977.0	1308.2	730.3	150.0
80°	2225.4	2537.6	2849.9	2744.2	2636.0	2210.6	1637.7	1106.5	676.2	395.9	115.6
82.5°	1077.0	1251.6	1426.2	1399.1	1372.1	1015.5	708.2	398.4	194.3	142.6	91.0
85°	285.2	422.9	560.6	536.1	511.5	270.5	118.0	103.3	76.2	71.3	63.9
87.5°	34.4	39.3	41.8	29.5	14.8	12.3	12.3	7.4	7.4	9.8	9.8
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2
2.5°	806.5	809.0	809.0	809.0	809.0	809.0	789.3	769.7	764.7	759.8	750.0
5°	777.0	752.4	735.2	718.0	718.0	715.6	722.9	730.3	735.2	737.7	740.1
7.5°	691.0	693.4	708.2	720.5	732.8	742.6	750.0	754.9	750.0	742.6	713.1
10°	565.6	568.0	580.3	590.1	607.4	622.1	663.9	703.3	750.0	796.7	809.0
12.5°	538.5	572.9	553.3	533.6	587.7	639.3	693.4	745.1	781.9	816.4	791.8
15°	548.3	509.0	516.4	523.8	590.1	656.5	617.2	575.4	673.8	772.1	794.2
17.5°	545.9	545.9	582.8	619.7	558.2	494.2	585.2	673.8	713.1	750.0	720.5
20°	582.8	511.5	538.5	563.1	612.3	659.0	619.7	580.3	595.1	609.8	705.7
22.5°	607.4	663.9	602.4	538.5	582.8	627.0	619.7	612.3	656.5	700.8	676.2
25°	634.4	545.9	590.1	632.0	582.8	531.1	570.5	607.4	595.1	582.8	659.0
27.5°	727.8	666.4	609.8	553.3	582.8	609.8	580.3	548.3	560.6	572.9	568.0
30°	880.3	727.8	656.5	585.2	548.3	509.0	511.5	513.9	528.7	543.4	585.2
32.5°	919.6	779.5	676.2	572.9	548.3	523.8	501.6	477.0	499.2	521.3	570.5
35°	929.5	774.6	663.9	553.3	513.9	474.6	459.8	445.1	482.0	518.8	563.1
37.5°	924.6	735.2	617.2	499.2	469.7	440.2	432.8	422.9	447.5	469.7	501.6
40°	912.3	683.6	565.6	447.5	422.9	398.4	393.4	388.5	405.7	422.9	442.6
42.5°	890.1	634.4	516.4	398.4	381.1	363.9	359.0	351.6	366.4	381.1	388.5
45°	863.1	585.2	474.6	361.5	349.2	334.4	327.0	317.2	332.0	344.3	346.7
47.5°	836.0	538.5	437.7	334.4	324.6	312.3	304.9	295.1	307.4	317.2	319.7
50°	813.9	489.3	398.4	307.4	297.5	287.7	280.3	272.9	285.2	295.1	295.1
52.5°	801.6	452.4	363.9	275.4	270.5	265.6	263.1	258.2	268.0	277.9	280.3
55°	772.1	400.8	324.6	245.9	248.4	248.4	245.9	241.0	260.6	277.9	285.2
57.5°	740.1	339.3	282.8	223.8	228.7	233.6	236.1	238.5	260.6	280.3	290.2
60°	698.3	287.7	245.9	204.1	211.5	216.4	228.7	238.5	258.2	277.9	282.8
62.5°	624.6	245.9	216.4	186.9	196.7	206.6	221.3	236.1	250.8	265.6	265.6
65°	516.4	213.9	194.3	172.1	186.9	199.2	216.4	233.6	245.9	255.7	253.3
67.5°	386.1	191.8	177.0	159.8	177.0	191.8	206.6	221.3	236.1	250.8	245.9
70°	277.9	172.1	162.3	150.0	164.7	179.5	194.3	209.0	223.8	238.5	236.1
72.5°	211.5	157.4	147.5	137.7	152.5	164.7	182.0	199.2	213.9	228.7	223.8
75°	169.7	142.6	135.2	125.4	140.2	154.9	172.1	186.9	201.6	216.4	211.5
77.5°	140.2	127.9	120.5	113.1	125.4	137.7	154.9	172.1	186.9	199.2	194.3
80°	113.1	108.2	103.3	95.9	110.7	122.9	140.2	154.9	167.2	179.5	172.1
82.5°	88.5	86.1	83.6	78.7	91.0	103.3	120.5	137.7	147.5	157.4	152.5
85°	66.4	66.4	63.9	61.5	71.3	78.7	88.5	95.9	105.7	113.1	108.2
87.5°	9.8	9.8	14.8	17.2	17.2	17.2	24.6	32.0	32.0	29.5	24.6
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):

	165°	170°	175°	180°
0°	799.2	799.2	799.2	799.2
2.5°	740.1	740.1	740.1	742.6
5°	742.6	745.1	745.1	750.0
7.5°	681.1	678.7	676.2	676.2
10°	818.8	823.7	826.2	831.1
12.5°	764.7	735.2	705.7	705.7
15°	816.4	821.3	823.7	828.7
17.5°	691.0	688.5	686.0	681.1
20°	799.2	804.1	806.5	806.5
22.5°	651.6	651.6	649.2	649.2
25°	735.2	735.2	735.2	740.1
27.5°	560.6	577.9	595.1	617.2
30°	627.0	629.5	632.0	632.0
32.5°	619.7	651.6	683.6	688.5
35°	607.4	607.4	604.9	607.4
37.5°	533.6	526.2	516.4	521.3
40°	459.8	442.6	425.4	422.9
42.5°	395.9	381.1	363.9	363.9
45°	349.2	339.3	327.0	322.1
47.5°	319.7	309.8	300.0	297.5
50°	292.6	282.8	272.9	272.9
52.5°	282.8	275.4	265.6	263.1
55°	292.6	277.9	263.1	258.2
57.5°	297.5	280.3	263.1	255.7
60°	285.2	275.4	263.1	253.3
62.5°	263.1	258.2	253.3	248.4
65°	248.4	248.4	245.9	241.0
67.5°	241.0	243.4	243.4	238.5
70°	231.1	236.1	238.5	233.6
72.5°	218.8	221.3	221.3	213.9
75°	204.1	201.6	199.2	194.3
77.5°	186.9	184.4	179.5	174.6
80°	164.7	162.3	159.8	152.5
82.5°	145.1	150.0	152.5	125.4
85°	100.8	91.0	81.1	66.4
87.5°	19.7	14.8	7.4	7.4
90°	0.0	0.0	0.0	0.0

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