

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: P561187

Luminaire Tested: **SDL-PA1-80-830-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561187
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-830-U-T4W
Description: Springdale
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7374.5 lumens
Efficiency: N/A
Efficacy: 89.9 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: B2 - U0 - G3

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

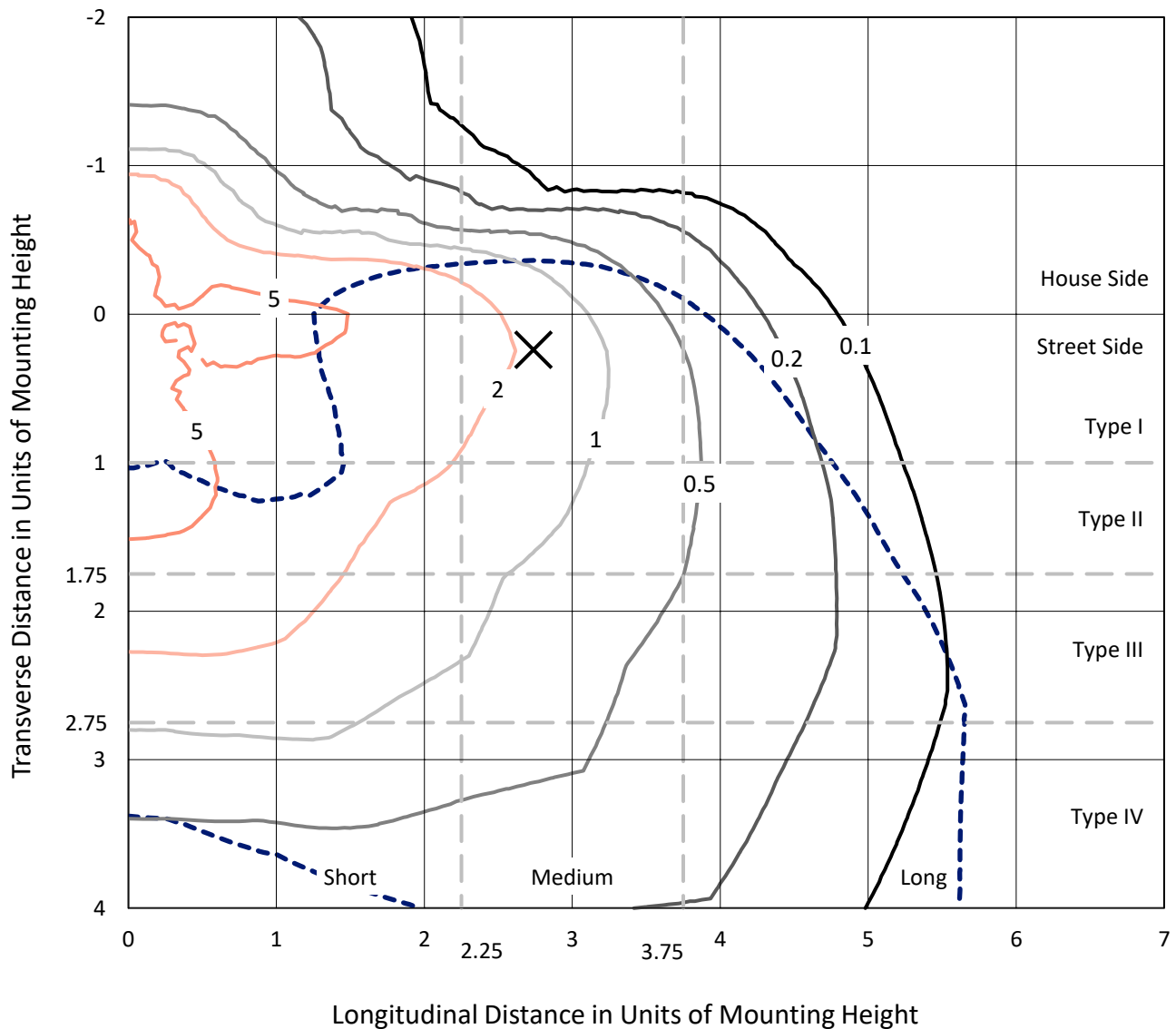


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

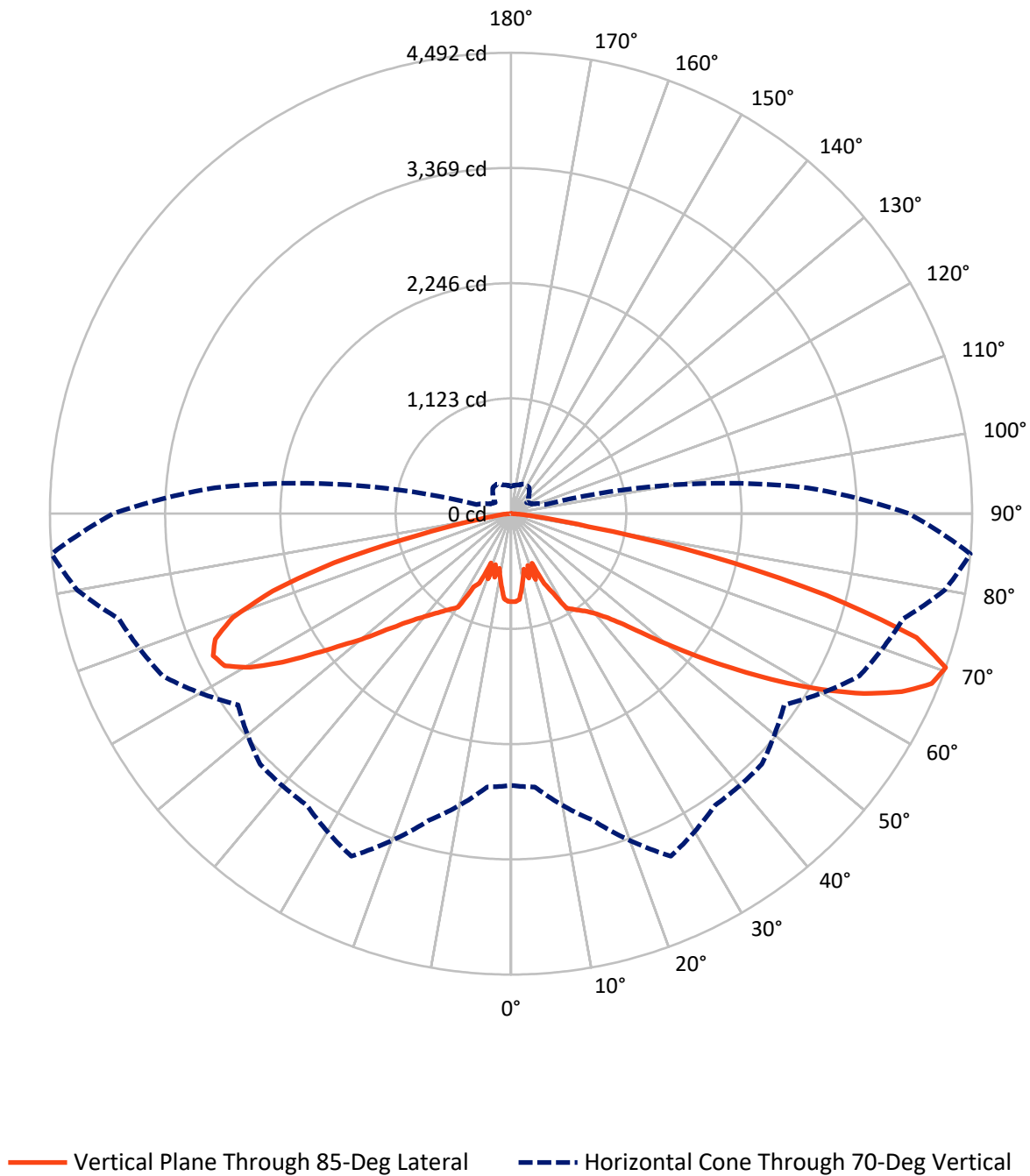


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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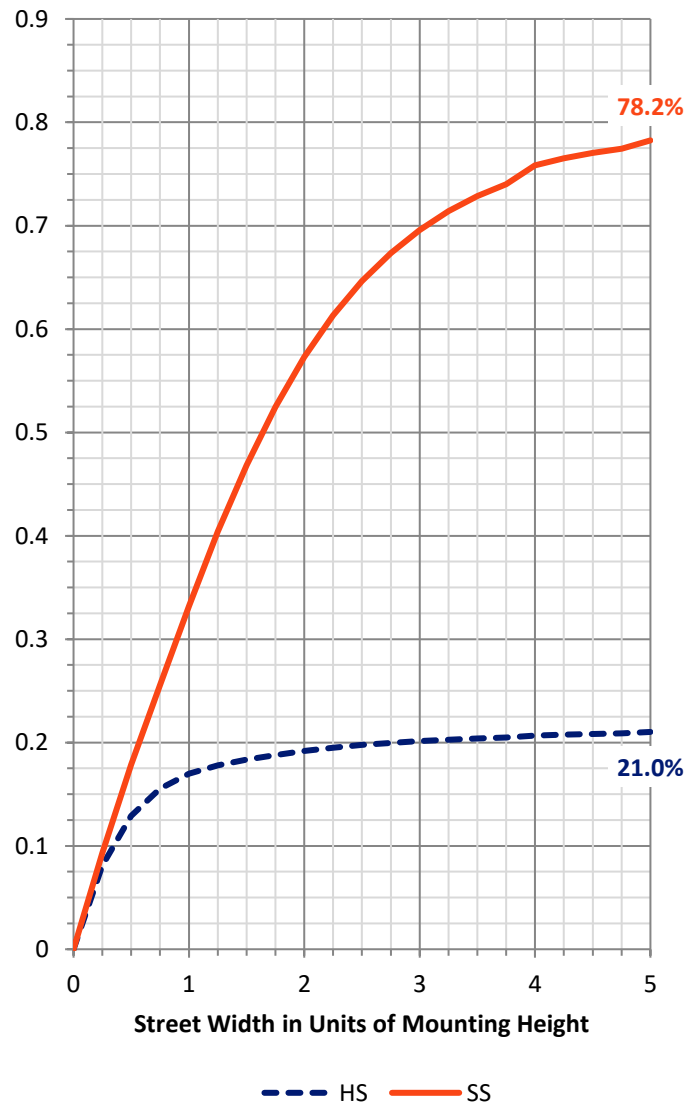
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1585.6	0.0	1585.6
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	5789.0	0.0	5789.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	7374.5	0.0	7374.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	1.0
10°-20°	179.5	2.4
20°-30°	313.8	4.3
30°-40°	552.6	7.5
40°-50°	833.7	11.3
50°-60°	1326.2	18.0
60°-70°	1944.7	26.4
70°-80°	1823.6	24.7
80°-90°	329.3	4.5
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°	7374.5	100.0
0°-180°	7374.5	100.0

Coefficient of Utilization



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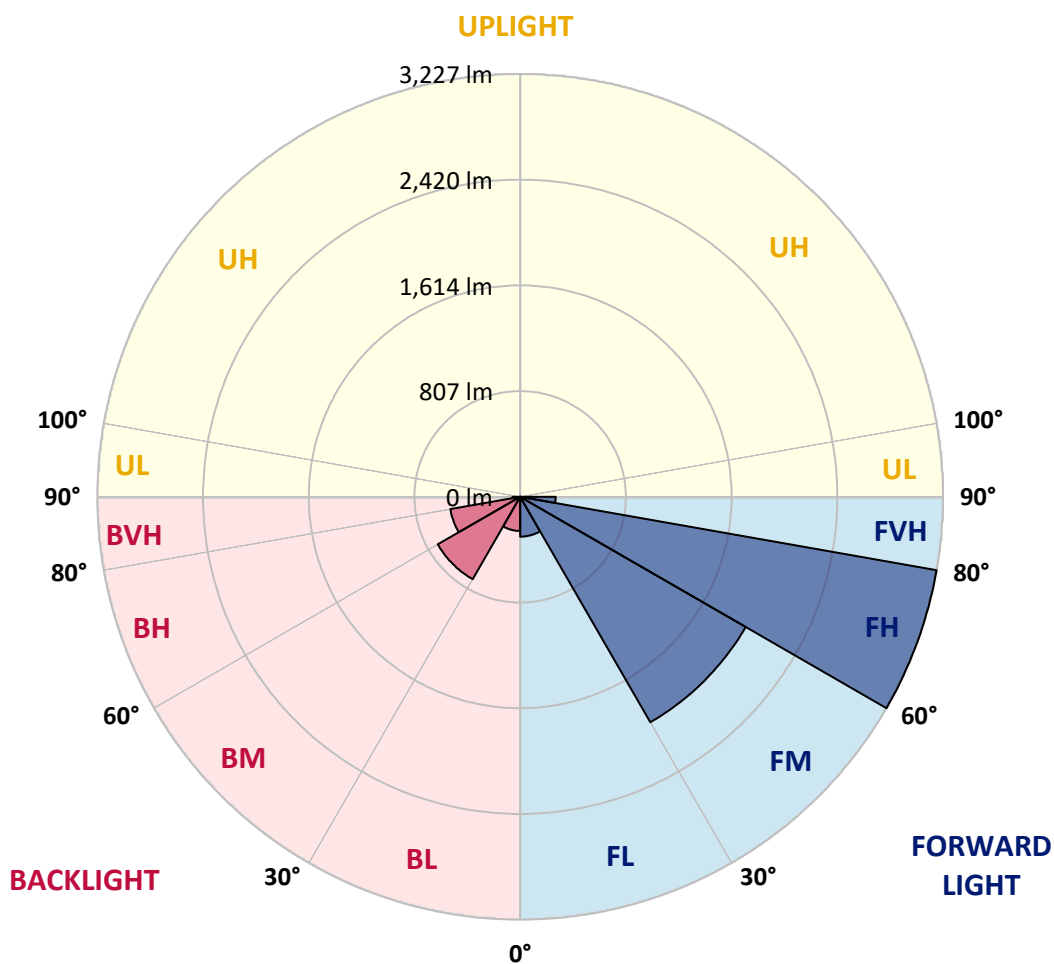
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	304.1	4.1			
FM	(30°-60°)	1986.7	26.9			
FH	(60°-80°)	3227.0	43.8			G2/5000
FVH	(80°-90°)	271.1	3.7			G3/500
BL	(0°-30°)	260.4	3.5	B1/500		
BM	(30°-60°)	725.8	9.8	B1/1000		
BH	(60°-80°)	541.2	7.3	B2/1000		G2/1000
BVH	(80°-90°)	58.1	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	857.5	857.5	857.5	857.5	857.5	857.5	857.5	857.5	857.5	857.5	857.5
2.5°	778.6	811.3	827.6	843.9	849.4	854.8	854.8	852.1	852.1	852.1	857.5
5°	792.2	789.5	789.5	789.5	786.8	784.0	781.3	775.9	773.1	767.7	765.0
7.5°	726.9	781.3	784.0	786.8	786.8	784.0	789.5	794.9	789.5	781.3	770.4
10°	863.0	860.3	854.8	849.4	841.2	833.0	770.4	705.1	710.5	716.0	664.3
12.5°	748.6	800.4	822.1	843.9	846.6	846.6	803.1	756.8	696.9	637.0	612.5
15°	914.7	909.3	898.4	887.5	814.0	737.8	694.2	650.6	650.6	650.6	577.1
17.5°	770.4	767.7	816.7	865.7	838.5	811.3	748.6	686.0	593.5	498.2	558.1
20°	944.7	944.7	931.0	917.4	792.2	664.3	672.4	677.9	680.6	680.6	653.4
22.5°	792.2	786.8	792.2	794.9	794.9	794.9	680.6	566.2	628.9	688.8	626.1
25°	944.7	947.4	944.7	941.9	827.6	710.5	729.6	748.6	661.5	571.7	631.6
27.5°	824.9	822.1	808.5	794.9	797.6	800.4	740.5	677.9	713.3	748.6	686.0
30°	1010.0	1012.7	1004.5	993.7	879.3	765.0	759.5	751.4	726.9	702.4	724.1
32.5°	1219.6	1219.6	1135.2	1050.8	980.0	906.5	846.6	786.8	811.3	835.8	808.5
35°	1331.2	1325.8	1298.6	1268.6	1137.9	1004.5	922.9	838.5	846.6	852.1	852.1
37.5°	1530.0	1527.2	1489.1	1451.0	1274.1	1094.4	988.2	879.3	895.6	909.3	890.2
40°	1777.7	1777.7	1747.7	1715.1	1489.1	1260.4	1110.7	961.0	958.3	952.8	931.0
42.5°	2017.3	2025.4	2006.4	1987.3	1723.2	1459.2	1263.2	1067.2	1042.7	1018.2	996.4
45°	2175.1	2186.0	2202.4	2218.7	1957.4	1696.0	1467.3	1235.9	1189.7	1140.7	1102.5
47.5°	2335.8	2319.4	2341.2	2363.0	2139.8	1916.5	1666.1	1415.6	1339.4	1263.2	1222.3
50°	2485.5	2480.1	2488.2	2496.4	2314.0	2131.6	1873.0	1614.3	1521.8	1426.5	1380.2
52.5°	2681.5	2662.4	2651.6	2640.7	2485.5	2330.3	2085.3	1837.6	1728.7	1617.1	1562.6
55°	2869.3	2861.2	2844.8	2825.8	2692.4	2559.0	2300.4	2041.8	1927.4	1813.1	1750.5
57.5°	3062.6	3057.2	3054.5	3051.7	2934.7	2817.6	2553.6	2286.8	2156.1	2022.7	1971.0
60°	3245.0	3247.8	3269.5	3288.6	3198.7	3108.9	2842.1	2575.3	2409.3	2240.5	2188.8
62.5°	3353.9	3362.1	3416.5	3468.3	3419.3	3370.3	3095.3	2817.6	2643.4	2466.4	2431.0
65°	3215.1	3255.9	3413.8	3571.7	3571.7	3571.7	3321.3	3068.1	2915.6	2763.2	2733.2
67.5°	2904.7	2945.6	3171.5	3394.8	3511.8	3628.9	3465.5	3302.2	3198.7	3092.6	3054.5
70°	2648.8	2673.3	2885.7	3095.3	3389.3	3683.3	3577.2	3468.3	3462.8	3454.6	3351.2
72.5°	2433.8	2488.2	2662.4	2834.0	3239.6	3645.2	3642.5	3639.8	3751.4	3863.0	3664.3
75°	1946.5	1941.0	2104.4	2267.7	2725.1	3179.7	3435.6	3688.8	4010.0	4328.5	4023.6
77.5°	868.4	928.3	1083.5	1238.7	1649.7	2058.1	2550.8	3043.6	3751.4	4456.5	4146.1
80°	247.7	261.3	304.9	345.7	539.0	729.6	1246.8	1761.4	2651.6	3539.0	3329.4
82.5°	130.7	136.1	163.3	187.8	242.3	294.0	490.0	683.3	1448.3	2210.5	2020.0
85°	62.6	57.2	73.5	87.1	117.1	147.0	226.0	304.9	560.8	816.7	705.1
87.5°	13.6	13.6	16.3	16.3	24.5	32.7	49.0	65.3	62.6	57.2	68.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	857.5	857.5	857.5	857.5	857.5	857.5	857.5	857.5	857.5	857.5	857.5
2.5°	860.3	863.0	865.7	863.0	860.3	857.5	857.5	854.8	854.8	852.1	846.6
5°	762.3	800.4	838.5	841.2	843.9	843.9	841.2	838.5	833.0	830.3	824.9
7.5°	759.5	745.9	732.3	735.0	737.8	740.5	740.5	732.3	729.6	707.8	686.0
10°	609.8	596.2	582.6	590.7	598.9	628.9	645.2	639.7	634.3	596.2	555.4
12.5°	588.0	582.6	577.1	536.3	495.5	530.9	555.4	552.6	544.5	509.1	473.7
15°	503.6	506.4	506.4	552.6	598.9	628.9	650.6	645.2	639.7	596.2	552.6
17.5°	615.2	585.3	552.6	544.5	536.3	549.9	530.9	500.9	520.0	514.5	509.1
20°	623.4	549.9	473.7	549.9	626.1	645.2	686.0	683.3	675.1	637.0	598.9
22.5°	563.5	607.1	647.9	607.1	566.2	539.0	525.4	520.0	517.2	528.1	536.3
25°	691.5	609.8	525.4	626.1	724.1	745.9	756.8	748.6	745.9	696.9	647.9
27.5°	620.7	664.3	707.8	740.5	773.1	800.4	882.0	803.1	800.4	754.1	705.1
30°	743.2	789.5	835.8	920.2	1004.5	1050.8	1067.2	1061.7	1048.1	974.6	901.1
32.5°	781.3	873.9	963.7	1001.8	1037.2	1086.2	1110.7	1108.0	1094.4	1007.3	917.4
35°	852.1	920.2	988.2	1039.9	1088.9	1135.2	1157.0	1165.2	1148.8	1039.9	928.3
37.5°	871.1	958.3	1045.4	1099.8	1154.3	1189.7	1208.7	1233.2	1214.2	1083.5	950.1
40°	909.3	1012.7	1113.4	1167.9	1219.6	1252.3	1284.9	1314.9	1290.4	1132.5	971.9
42.5°	971.9	1078.0	1181.5	1244.1	1304.0	1350.3	1388.4	1429.2	1382.9	1178.8	971.9
45°	1064.4	1162.4	1260.4	1344.8	1426.5	1483.7	1538.1	1595.3	1502.7	1238.7	971.9
47.5°	1181.5	1276.8	1369.3	1502.7	1636.1	1687.9	1753.2	1807.6	1657.9	1314.9	971.9
50°	1331.2	1437.4	1543.6	1720.5	1894.7	1943.8	2025.4	2066.3	1864.8	1432.0	996.4
52.5°	1505.5	1622.5	1736.9	1943.8	2150.6	2232.3	2341.2	2368.4	2074.4	1549.0	1020.9
55°	1687.9	1845.7	2000.9	2229.6	2455.6	2534.5	2689.7	2711.4	2343.9	1693.3	1039.9
57.5°	1919.2	2104.4	2286.8	2510.0	2730.5	2842.1	3084.4	3092.6	2657.0	1870.2	1080.8
60°	2137.0	2368.4	2597.1	2809.5	3021.8	3196.0	3476.4	3479.1	2951.0	2003.6	1053.5
62.5°	2395.7	2670.6	2942.8	3125.2	3307.6	3522.7	3860.3	3811.3	3157.9	2020.0	882.0
65°	2700.6	2983.7	3266.8	3422.0	3574.4	3819.4	4184.2	3996.4	3215.1	1927.4	637.0
67.5°	3013.6	3277.7	3541.8	3664.3	3786.8	4097.1	4421.1	4018.2	3130.7	1788.6	443.7
70°	3247.8	3495.5	3743.2	3849.4	3955.6	4290.4	4491.9	3876.6	2893.8	1619.8	345.7
72.5°	3462.8	3696.9	3928.3	3982.8	4034.5	4206.0	4132.5	3416.5	2439.2	1363.9	285.8
75°	3718.7	3868.4	4015.5	3917.4	3819.4	3588.0	3171.5	2490.9	1785.9	1015.4	245.0
77.5°	3835.8	3800.4	3762.3	3427.4	3092.6	2471.9	1971.0	1440.1	906.5	558.1	209.6
80°	3119.8	2978.2	2834.0	2273.2	1712.4	1170.6	767.7	487.3	332.1	250.5	168.8
82.5°	1826.7	1497.3	1167.9	857.5	547.2	383.8	250.5	198.7	155.2	147.0	136.1
85°	590.7	522.7	454.6	359.3	264.1	163.3	95.3	87.1	81.7	89.8	95.3
87.5°	78.9	78.9	76.2	57.2	35.4	19.1	10.9	8.2	8.2	10.9	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	857.5	857.5	857.5	857.5	857.5	857.5	857.5	857.5	857.5	857.5	857.5
2.5°	846.6	843.9	841.2	838.5	835.8	830.3	808.5	786.8	778.6	767.7	759.5
5°	797.6	770.4	751.4	732.3	724.1	713.3	716.0	718.7	721.4	721.4	721.4
7.5°	691.5	696.9	699.6	699.6	707.8	713.3	718.7	721.4	710.5	699.6	686.0
10°	549.9	541.7	552.6	560.8	574.4	585.3	620.7	656.1	688.8	721.4	735.0
12.5°	500.9	528.1	506.4	484.6	528.1	569.0	618.0	667.0	696.9	724.1	699.6
15°	509.1	462.8	468.2	471.0	525.4	577.1	547.2	517.2	601.6	683.3	707.8
17.5°	500.9	492.7	522.7	549.9	498.2	446.5	520.0	590.7	628.9	667.0	656.1
20°	541.7	481.9	481.9	481.9	528.1	574.4	539.0	503.6	544.5	585.3	653.4
22.5°	560.8	582.6	539.0	492.7	522.7	552.6	552.6	549.9	596.2	639.7	628.9
25°	566.2	484.6	522.7	558.1	539.0	517.2	541.7	563.5	577.1	590.7	650.6
27.5°	647.9	590.7	547.2	500.9	536.3	571.7	563.5	555.4	566.2	577.1	590.7
30°	767.7	634.3	585.3	533.6	514.5	492.7	517.2	539.0	579.9	620.7	675.1
32.5°	803.1	686.0	607.1	525.4	522.7	517.2	525.4	530.9	577.1	620.7	696.9
35°	797.6	664.3	588.0	509.1	492.7	476.4	490.0	500.9	569.0	637.0	710.5
37.5°	792.2	631.6	552.6	473.7	462.8	449.2	462.8	476.4	528.1	579.9	647.9
40°	784.0	593.5	517.2	438.3	424.7	411.1	424.7	435.6	476.4	517.2	571.7
42.5°	765.0	555.4	479.1	400.2	389.3	375.7	386.6	397.5	432.9	468.2	500.9
45°	743.2	511.8	438.3	364.8	353.9	343.0	351.2	356.6	389.3	419.2	435.6
47.5°	718.7	465.5	397.5	329.4	318.5	307.6	315.8	321.2	345.7	370.2	375.7
50°	713.3	427.4	364.8	299.5	291.3	280.4	285.8	291.3	310.3	326.7	326.7
52.5°	702.4	381.1	329.4	275.0	269.5	261.3	264.1	266.8	280.4	294.0	291.3
55°	694.2	348.5	302.2	255.9	250.5	242.3	245.0	247.7	261.3	272.2	269.5
57.5°	702.4	321.2	280.4	236.8	231.4	226.0	231.4	236.8	250.5	264.1	264.1
60°	675.1	294.0	255.9	217.8	215.1	209.6	223.2	234.1	255.9	275.0	280.4
62.5°	577.1	269.5	236.8	204.2	206.9	206.9	231.4	253.2	283.1	310.3	315.8
65°	443.7	250.5	223.2	193.3	206.9	220.5	253.2	285.8	313.1	340.3	332.1
67.5°	340.3	236.8	215.1	190.6	220.5	247.7	277.7	307.6	321.2	332.1	318.5
70°	285.8	223.2	206.9	187.8	217.8	247.7	277.7	307.6	313.1	318.5	304.9
72.5°	250.5	212.3	196.0	179.7	204.2	228.7	264.1	296.7	302.2	304.9	291.3
75°	223.2	198.7	179.7	160.6	185.1	206.9	242.3	277.7	283.1	285.8	275.0
77.5°	196.0	182.4	160.6	138.8	163.3	187.8	220.5	253.2	261.3	269.5	255.9
80°	163.3	155.2	138.8	122.5	149.7	174.2	204.2	234.1	242.3	250.5	236.8
82.5°	130.7	125.2	114.3	103.4	130.7	157.9	187.8	215.1	223.2	228.7	212.3
85°	95.3	95.3	89.8	84.4	111.6	136.1	155.2	174.2	171.5	168.8	157.9
87.5°	13.6	13.6	19.1	24.5	32.7	38.1	49.0	57.2	59.9	59.9	46.3
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°	857.5	857.5	857.5	857.5
2.5°	751.4	751.4	748.6	754.1
5°	721.4	724.1	724.1	726.9
7.5°	672.4	658.8	642.5	645.2
10°	748.6	751.4	754.1	754.1
12.5°	672.4	661.5	647.9	650.6
15°	729.6	737.8	745.9	748.6
17.5°	642.5	639.7	637.0	634.3
20°	718.7	732.3	745.9	745.9
22.5°	618.0	618.0	618.0	620.7
25°	710.5	726.9	740.5	740.5
27.5°	601.6	639.7	677.9	707.8
30°	726.9	735.0	743.2	745.9
32.5°	770.4	811.3	849.4	857.5
35°	781.3	800.4	816.7	824.9
37.5°	716.0	732.3	748.6	759.5
40°	623.4	637.0	650.6	658.8
42.5°	530.9	533.6	536.3	549.9
45°	451.9	438.3	424.7	422.0
47.5°	378.4	359.3	340.3	337.6
50°	324.0	307.6	291.3	291.3
52.5°	285.8	275.0	264.1	264.1
55°	266.8	261.3	253.2	253.2
57.5°	264.1	261.3	258.6	258.6
60°	283.1	285.8	285.8	285.8
62.5°	318.5	321.2	321.2	321.2
65°	321.2	315.8	310.3	310.3
67.5°	304.9	296.7	288.6	283.1
70°	288.6	283.1	275.0	266.8
72.5°	275.0	269.5	261.3	253.2
75°	261.3	253.2	242.3	236.8
77.5°	242.3	236.8	228.7	223.2
80°	220.5	215.1	206.9	196.0
82.5°	196.0	198.7	198.7	171.5
85°	144.3	136.1	125.2	103.4
87.5°	29.9	27.2	21.8	19.1
90°	0.0	0.0	0.0	0.0

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