

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: P561095

Luminaire Tested: **SDL-PA1-80-740-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561095
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-PA1-80-740-U-T3
Description: Springdale
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9294.6 lumens
Efficiency: N/A
Efficacy: 113.3 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



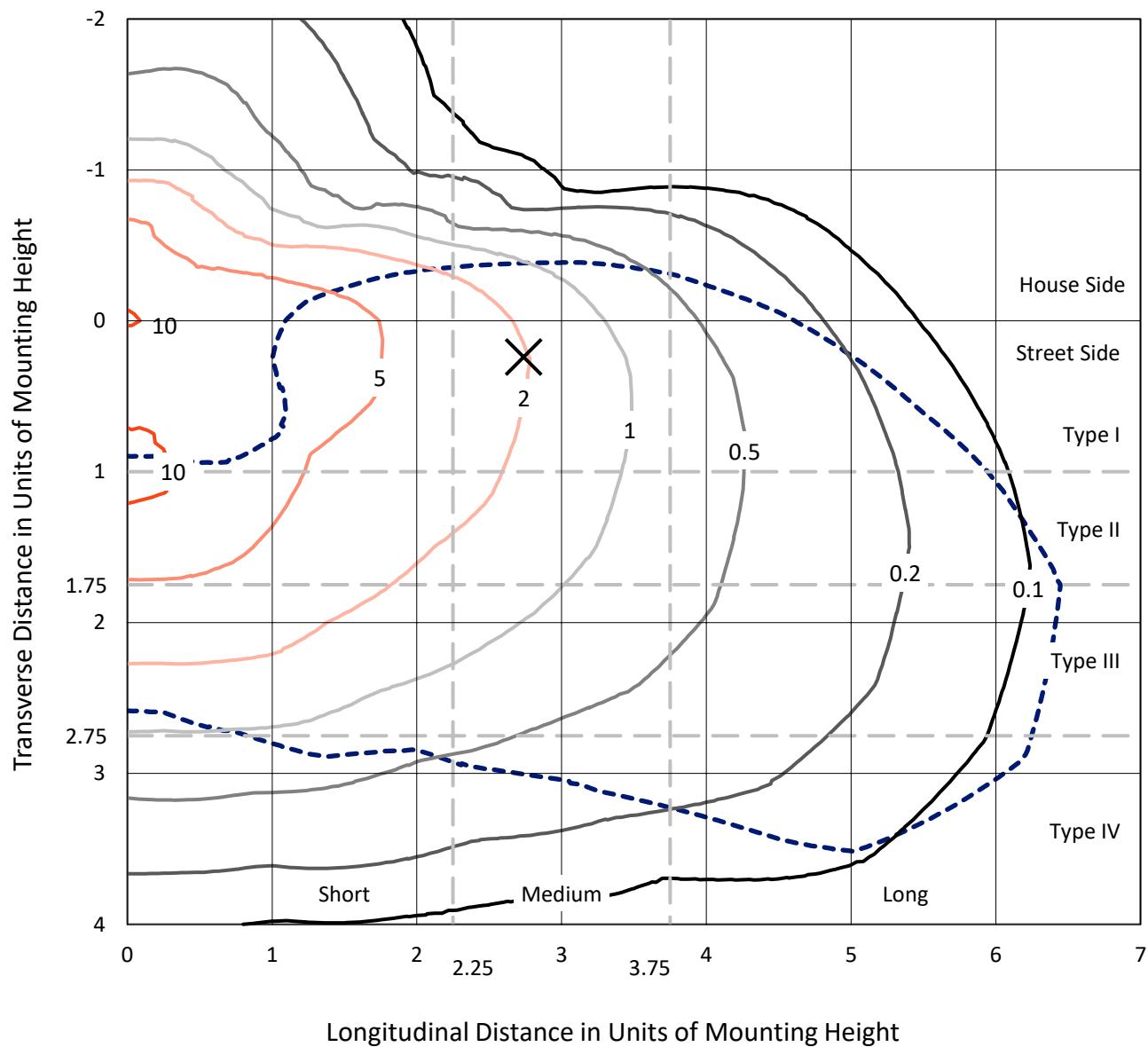
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



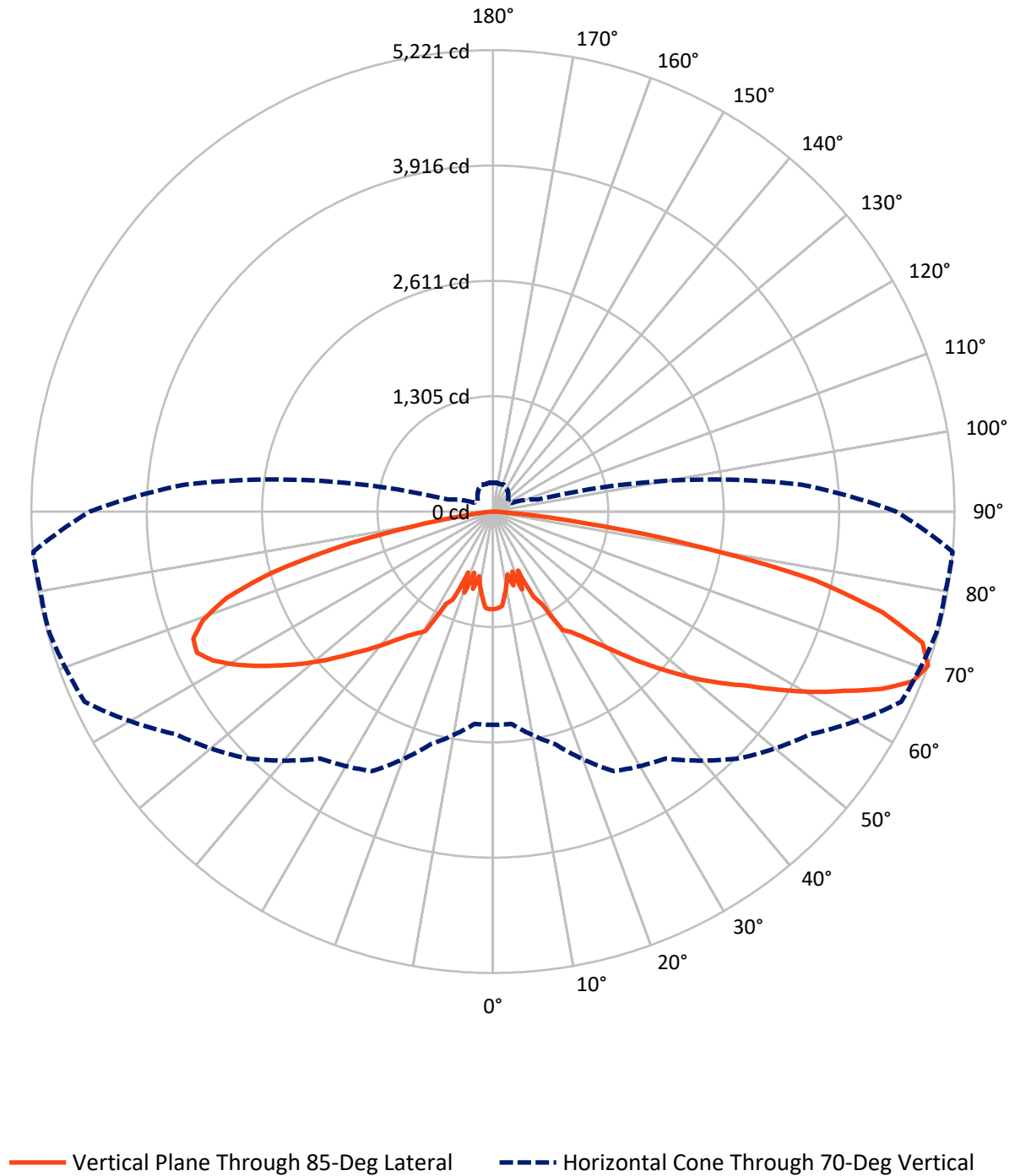
Based on 10 foot mounting height. Maximum calculated value = 11.3 fc

Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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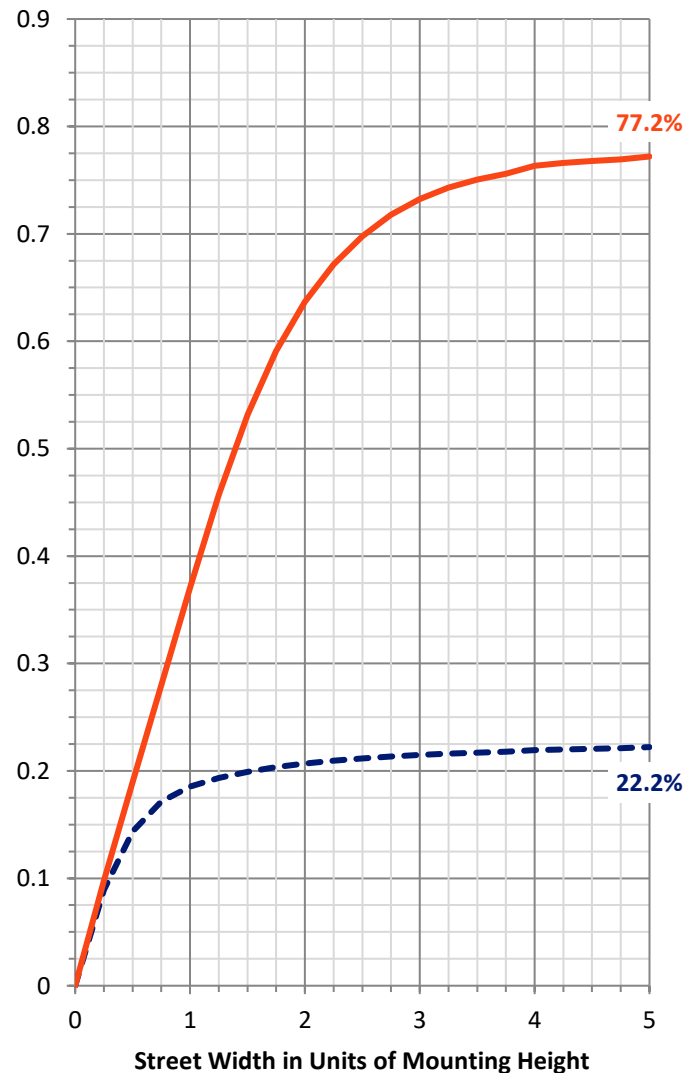
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2101.6	0.0	2101.6
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	7193.1	0.0	7193.1
	% Fixture	77.4	0.0	77.4
Total	Lumens	9294.6	0.0	9294.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	1.0
10°-20°	224.4	2.4
20°-30°	410.2	4.4
30°-40°	774.6	8.3
40°-50°	1261.8	13.6
50°-60°	1946.6	20.9
60°-70°	2386.0	25.7
70°-80°	1868.6	20.1
80°-90°	332.7	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°	9294.6	100.0
0°-180°	9294.6	100.0



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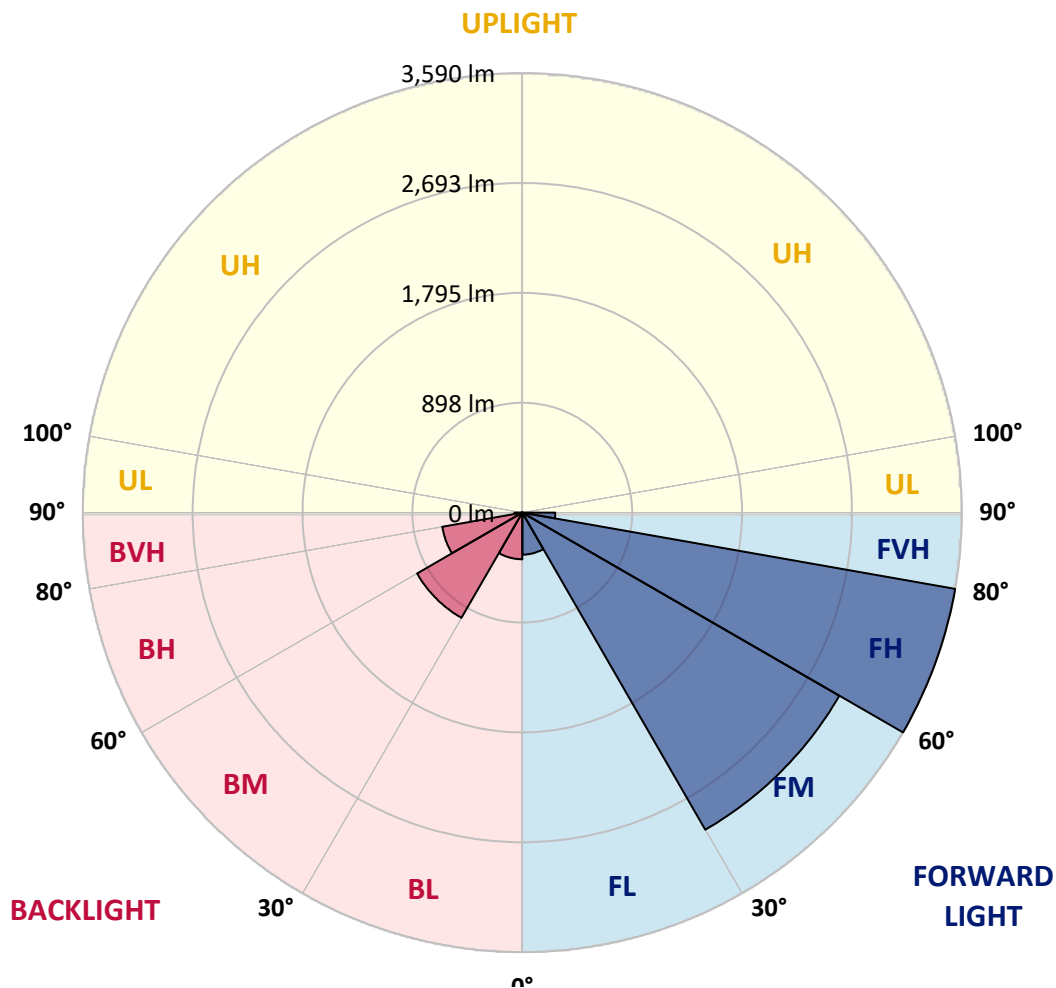
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	343.1	3.7			
FM	(30°-60°)	2990.3	32.2			
FH	(60°-80°)	3590.2	38.6			G2/5000
FVH	(80°-90°)	269.5	2.9			G3/500
BL	(0°-30°)	381.2	4.1	B1/500		
BM	(30°-60°)	992.7	10.7	B1/1000		
BH	(60°-80°)	664.4	7.1	B2/1000		G2/1000
BVH	(80°-90°)	63.3	0.7			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°	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1
2.5°	910.4	992.0	992.0	992.0	1008.9	1022.5	1029.3	1032.7	1046.3	1056.5	1063.3
5°	849.3	852.7	852.7	852.7	856.1	859.5	862.9	866.3	873.1	876.5	886.6
7.5°	713.4	727.0	754.2	777.9	794.9	811.9	825.5	835.7	842.5	849.3	852.7
10°	794.9	794.9	794.9	794.9	794.9	794.9	754.2	713.4	716.8	716.8	696.4
12.5°	665.8	686.2	716.8	744.0	767.7	788.1	761.0	733.8	682.8	631.9	631.9
15°	771.1	771.1	767.7	764.4	720.2	676.0	635.3	594.5	621.7	648.9	601.3
17.5°	662.4	665.8	706.6	744.0	737.2	727.0	689.6	648.9	584.3	516.4	584.3
20°	849.3	839.1	818.7	798.3	703.2	608.1	625.1	642.1	659.0	672.6	672.6
22.5°	781.3	788.1	801.7	815.3	805.1	791.5	693.0	594.5	652.2	710.0	659.0
25°	1070.1	1070.1	1029.3	988.6	886.6	781.3	798.3	811.9	713.4	611.5	696.4
27.5°	988.6	981.8	964.8	944.4	964.8	981.8	893.4	801.7	828.9	856.1	784.7
30°	1314.7	1314.7	1297.7	1280.7	1134.6	985.2	975.0	961.4	903.6	842.5	883.3
32.5°	1576.3	1572.9	1494.7	1416.6	1335.1	1250.1	1161.8	1070.1	1063.3	1056.5	1049.7
35°	1888.8	1888.8	1844.6	1800.5	1620.4	1437.0	1331.7	1226.4	1195.8	1165.2	1189.0
37.5°	2065.4	2089.2	2072.2	2051.9	1854.8	1654.4	1508.3	1358.8	1328.3	1297.7	1307.9
40°	2310.0	2303.2	2299.9	2293.1	2065.4	1837.8	1681.6	1521.9	1501.5	1481.1	1481.1
42.5°	2680.3	2643.0	2602.2	2558.0	2327.0	2096.0	1922.8	1746.1	1708.8	1668.0	1671.4
45°	3189.9	3149.1	3054.0	2955.5	2721.1	2486.7	2255.7	2024.7	1960.1	1892.2	1885.4
47.5°	3502.4	3458.3	3410.7	3359.8	3108.4	2857.0	2619.2	2378.0	2282.9	2187.7	2150.4
50°	3825.2	3784.4	3747.0	3709.7	3488.8	3268.0	3030.2	2792.4	2643.0	2493.5	2428.9
52.5°	4130.9	4056.2	4018.8	3981.4	3794.6	3604.3	3356.4	3108.4	2996.3	2884.2	2744.9
55°	4280.4	4188.7	4175.1	4158.1	4018.8	3876.1	3638.3	3400.5	3274.8	3145.7	3006.5
57.5°	4069.8	4076.5	4151.3	4226.0	4147.9	4069.8	3845.5	3621.3	3495.6	3369.9	3264.6
60°	3879.5	3930.5	4022.2	4113.9	4120.7	4124.1	4005.2	3886.3	3747.0	3607.7	3526.2
62.5°	3617.9	3655.3	3798.0	3937.3	4042.6	4144.5	4022.2	3899.9	3852.3	3801.4	3750.4
65°	3264.6	3274.8	3437.9	3597.6	3787.8	3974.6	3879.5	3784.4	3865.9	3944.1	3950.9
67.5°	2833.2	2863.8	3023.4	3183.1	3414.1	3641.7	3638.3	3634.9	3808.2	3978.0	4096.9
70°	2412.0	2412.0	2568.2	2724.5	2982.7	3240.9	3325.8	3410.7	3679.1	3947.5	4168.3
72.5°	1817.5	1902.4	1983.9	2065.4	2354.2	2639.6	2826.4	3013.2	3414.1	3811.6	4147.9
75°	1002.2	1008.9	1080.3	1151.6	1440.4	1729.1	2011.1	2293.1	2829.8	3366.5	3896.5
77.5°	329.5	319.3	360.1	397.5	567.3	733.8	971.6	1209.4	1800.5	2391.6	3244.3
80°	183.4	186.8	200.4	214.0	268.4	319.3	434.8	550.3	801.7	1049.7	2062.1
82.5°	122.3	125.7	139.3	152.9	176.7	200.4	265.0	326.1	349.9	370.3	930.8
85°	78.1	81.5	88.3	95.1	101.9	105.3	149.5	193.6	176.7	159.7	278.6
87.5°	17.0	17.0	20.4	20.4	23.8	27.2	34.0	40.8	37.4	30.6	40.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1
2.5°	1066.7	1073.5	1076.9	1080.3	1083.7	1090.5	1093.9	1097.3	1104.1	1107.5	1107.5
5°	896.8	958.0	1015.7	1036.1	1056.5	1066.7	1073.5	1083.7	1090.5	1097.3	1104.1
7.5°	856.1	859.5	862.9	886.6	910.4	930.8	951.2	958.0	975.0	964.8	951.2
10°	672.6	676.0	676.0	699.8	723.6	794.9	842.5	852.7	862.9	822.1	777.9
12.5°	628.5	645.5	662.4	652.2	642.1	693.0	727.0	740.6	747.4	720.2	693.0
15°	550.3	567.3	580.9	659.0	737.2	805.1	866.3	883.3	903.6	859.5	811.9
17.5°	652.2	645.5	635.3	648.9	662.4	679.4	713.4	723.6	723.6	737.2	750.8
20°	672.6	597.9	523.2	662.4	801.7	862.9	941.0	968.2	975.0	937.6	900.2
22.5°	604.7	689.6	774.5	757.6	740.6	723.6	723.6	733.8	744.0	750.8	757.6
25°	777.9	706.6	635.3	798.3	961.4	1025.9	1063.3	1080.3	1093.9	1046.3	995.4
27.5°	713.4	808.5	900.2	971.6	1042.9	1114.3	1192.4	1267.1	1175.4	1131.2	1087.1
30°	920.6	998.8	1076.9	1246.7	1416.6	1508.3	1555.9	1555.9	1555.9	1491.3	1423.4
32.5°	1042.9	1178.8	1314.7	1406.4	1494.7	1586.5	1623.8	1623.8	1623.8	1545.7	1464.2
35°	1209.4	1318.1	1426.8	1532.1	1637.4	1708.8	1735.9	1725.7	1705.4	1600.0	1494.7
37.5°	1318.1	1464.2	1610.2	1718.9	1824.3	1868.4	1878.6	1848.0	1817.5	1678.2	1535.5
40°	1481.1	1640.8	1797.1	1912.6	2028.1	2065.4	2045.1	2004.3	1949.9	1763.1	1576.3
42.5°	1671.4	1831.0	1990.7	2126.6	2259.1	2282.9	2252.3	2187.7	2092.6	1837.8	1579.7
45°	1878.6	2038.3	2194.5	2347.4	2500.3	2517.3	2476.5	2381.4	2242.1	1909.2	1576.3
47.5°	2109.6	2235.3	2361.0	2578.4	2795.8	2775.4	2714.3	2605.6	2422.1	1994.1	1562.7
50°	2364.4	2462.9	2558.0	2829.8	3101.6	3040.4	2972.5	2853.6	2612.4	2092.6	1569.5
52.5°	2602.2	2697.3	2792.4	3074.4	3353.0	3295.2	3220.5	3115.2	2806.0	2197.9	1586.5
55°	2867.2	2969.1	3071.0	3369.9	3668.9	3570.4	3475.3	3407.3	2996.3	2286.3	1576.3
57.5°	3155.9	3285.0	3414.1	3689.3	3961.0	3855.7	3801.4	3713.1	3206.9	2391.6	1576.3
60°	3444.7	3600.9	3757.2	3998.4	4239.6	4154.7	4144.5	4022.2	3403.9	2469.7	1532.1
62.5°	3699.5	3933.9	4168.3	4358.5	4545.3	4463.8	4467.2	4324.5	3587.4	2486.7	1382.6
65°	3957.6	4260.0	4558.9	4698.2	4837.5	4779.8	4837.5	4582.7	3709.7	2418.8	1127.8
67.5°	4212.4	4545.3	4878.3	4983.6	5088.9	5054.9	5122.9	4667.6	3682.5	2242.1	798.3
70°	4389.1	4742.4	5095.7	5150.0	5204.4	5197.6	5221.4	4562.3	3499.0	2014.5	526.6
72.5°	4484.2	4817.1	5146.6	5170.4	5190.8	5180.6	5082.1	4232.8	3169.5	1766.5	363.5
75°	4423.1	4745.8	5068.5	5020.9	4973.4	4878.3	4548.7	3645.1	2598.8	1433.6	268.4
77.5°	4096.9	4446.8	4796.7	4674.4	4548.7	4270.2	3716.5	2731.3	1807.3	1008.9	207.2
80°	3074.4	3505.8	3937.3	3791.2	3641.7	3054.0	2262.5	1528.7	934.2	546.9	159.7
82.5°	1487.9	1729.1	1970.3	1933.0	1895.6	1403.0	978.4	550.3	268.4	197.0	125.7
85°	394.1	584.3	774.5	740.6	706.6	373.7	163.1	142.7	105.3	98.5	88.3
87.5°	47.6	54.4	57.8	40.8	20.4	17.0	17.0	10.2	10.2	13.6	13.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1
2.5°	1114.3	1117.7	1117.7	1117.7	1117.7	1117.7	1090.5	1063.3	1056.5	1049.7	1036.1
5°	1073.5	1039.5	1015.7	992.0	992.0	988.6	998.8	1008.9	1015.7	1019.1	1022.5
7.5°	954.6	958.0	978.4	995.4	1012.3	1025.9	1036.1	1042.9	1036.1	1025.9	985.2
10°	781.3	784.7	801.7	815.3	839.1	859.5	917.2	971.6	1036.1	1100.7	1117.7
12.5°	744.0	791.5	764.4	737.2	811.9	883.3	958.0	1029.3	1080.3	1127.8	1093.9
15°	757.6	703.2	713.4	723.6	815.3	907.0	852.7	794.9	930.8	1066.7	1097.3
17.5°	754.2	754.2	805.1	856.1	771.1	682.8	808.5	930.8	985.2	1036.1	995.4
20°	805.1	706.6	744.0	777.9	845.9	910.4	856.1	801.7	822.1	842.5	975.0
22.5°	839.1	917.2	832.3	744.0	805.1	866.3	856.1	845.9	907.0	968.2	934.2
25°	876.5	754.2	815.3	873.1	805.1	733.8	788.1	839.1	822.1	805.1	910.4
27.5°	1005.5	920.6	842.5	764.4	805.1	842.5	801.7	757.6	774.5	791.5	784.7
30°	1216.2	1005.5	907.0	808.5	757.6	703.2	706.6	710.0	730.4	750.8	808.5
32.5°	1270.5	1076.9	934.2	791.5	757.6	723.6	693.0	659.0	689.6	720.2	788.1
35°	1284.1	1070.1	917.2	764.4	710.0	655.6	635.3	614.9	665.8	716.8	777.9
37.5°	1277.3	1015.7	852.7	689.6	648.9	608.1	597.9	584.3	618.3	648.9	693.0
40°	1260.3	944.4	781.3	618.3	584.3	550.3	543.5	536.7	560.5	584.3	611.5
42.5°	1229.8	876.5	713.4	550.3	526.6	502.8	496.0	485.8	506.2	526.6	536.7
45°	1192.4	808.5	655.6	499.4	482.4	462.0	451.8	438.2	458.6	475.6	479.0
47.5°	1155.0	744.0	604.7	462.0	448.4	431.4	421.2	407.7	424.6	438.2	441.6
50°	1124.4	676.0	550.3	424.6	411.1	397.5	387.3	377.1	394.1	407.7	407.7
52.5°	1107.5	625.1	502.8	380.5	373.7	366.9	363.5	356.7	370.3	383.9	387.3
55°	1066.7	553.7	448.4	339.7	343.1	343.1	339.7	332.9	360.1	383.9	394.1
57.5°	1022.5	468.8	390.7	309.1	315.9	322.7	326.1	329.5	360.1	387.3	400.9
60°	964.8	397.5	339.7	282.0	292.2	298.9	315.9	329.5	356.7	383.9	390.7
62.5°	862.9	339.7	298.9	258.2	271.8	285.4	305.7	326.1	346.5	366.9	366.9
65°	713.4	295.5	268.4	237.8	258.2	275.2	298.9	322.7	339.7	353.3	349.9
67.5°	533.3	265.0	244.6	220.8	244.6	265.0	285.4	305.7	326.1	346.5	339.7
70°	383.9	237.8	224.2	207.2	227.6	248.0	268.4	288.8	309.1	329.5	326.1
72.5°	292.2	217.4	203.8	190.2	210.6	227.6	251.4	275.2	295.5	315.9	309.1
75°	234.4	197.0	186.8	173.3	193.6	214.0	237.8	258.2	278.6	298.9	292.2
77.5°	193.6	176.7	166.5	156.3	173.3	190.2	214.0	237.8	258.2	275.2	268.4
80°	156.3	149.5	142.7	132.5	152.9	169.9	193.6	214.0	231.0	248.0	237.8
82.5°	122.3	118.9	115.5	108.7	125.7	142.7	166.5	190.2	203.8	217.4	210.6
85°	91.7	91.7	88.3	84.9	98.5	108.7	122.3	132.5	146.1	156.3	149.5
87.5°	13.6	13.6	20.4	23.8	23.8	23.8	34.0	44.2	44.2	40.8	34.0
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°	1104.1	1104.1	1104.1	1104.1
2.5°	1022.5	1022.5	1022.5	1025.9
5°	1025.9	1029.3	1029.3	1036.1
7.5°	941.0	937.6	934.2	934.2
10°	1131.2	1138.0	1141.4	1148.2
12.5°	1056.5	1015.7	975.0	975.0
15°	1127.8	1134.6	1138.0	1144.8
17.5°	954.6	951.2	947.8	941.0
20°	1104.1	1110.9	1114.3	1114.3
22.5°	900.2	900.2	896.8	896.8
25°	1015.7	1015.7	1015.7	1022.5
27.5°	774.5	798.3	822.1	852.7
30°	866.3	869.7	873.1	873.1
32.5°	856.1	900.2	944.4	951.2
35°	839.1	839.1	835.7	839.1
37.5°	737.2	727.0	713.4	720.2
40°	635.3	611.5	587.7	584.3
42.5°	546.9	526.6	502.8	502.8
45°	482.4	468.8	451.8	445.0
47.5°	441.6	428.0	414.4	411.1
50°	404.3	390.7	377.1	377.1
52.5°	390.7	380.5	366.9	363.5
55°	404.3	383.9	363.5	356.7
57.5°	411.1	387.3	363.5	353.3
60°	394.1	380.5	363.5	349.9
62.5°	363.5	356.7	349.9	343.1
65°	343.1	343.1	339.7	332.9
67.5°	332.9	336.3	336.3	329.5
70°	319.3	326.1	329.5	322.7
72.5°	302.3	305.7	305.7	295.5
75°	282.0	278.6	275.2	268.4
77.5°	258.2	254.8	248.0	241.2
80°	227.6	224.2	220.8	210.6
82.5°	200.4	207.2	210.6	173.3
85°	139.3	125.7	112.1	91.7
87.5°	27.2	20.4	10.2	10.2
90°	0.0	0.0	0.0	0.0

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