

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: P559841

Luminaire Tested: **SDL-PA1-100-730-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559841
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-PA1-100-730-U-T3
Description: Springdale
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9361.3 lumens
Efficiency: N/A
Efficacy: 99.8 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): 93.8
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

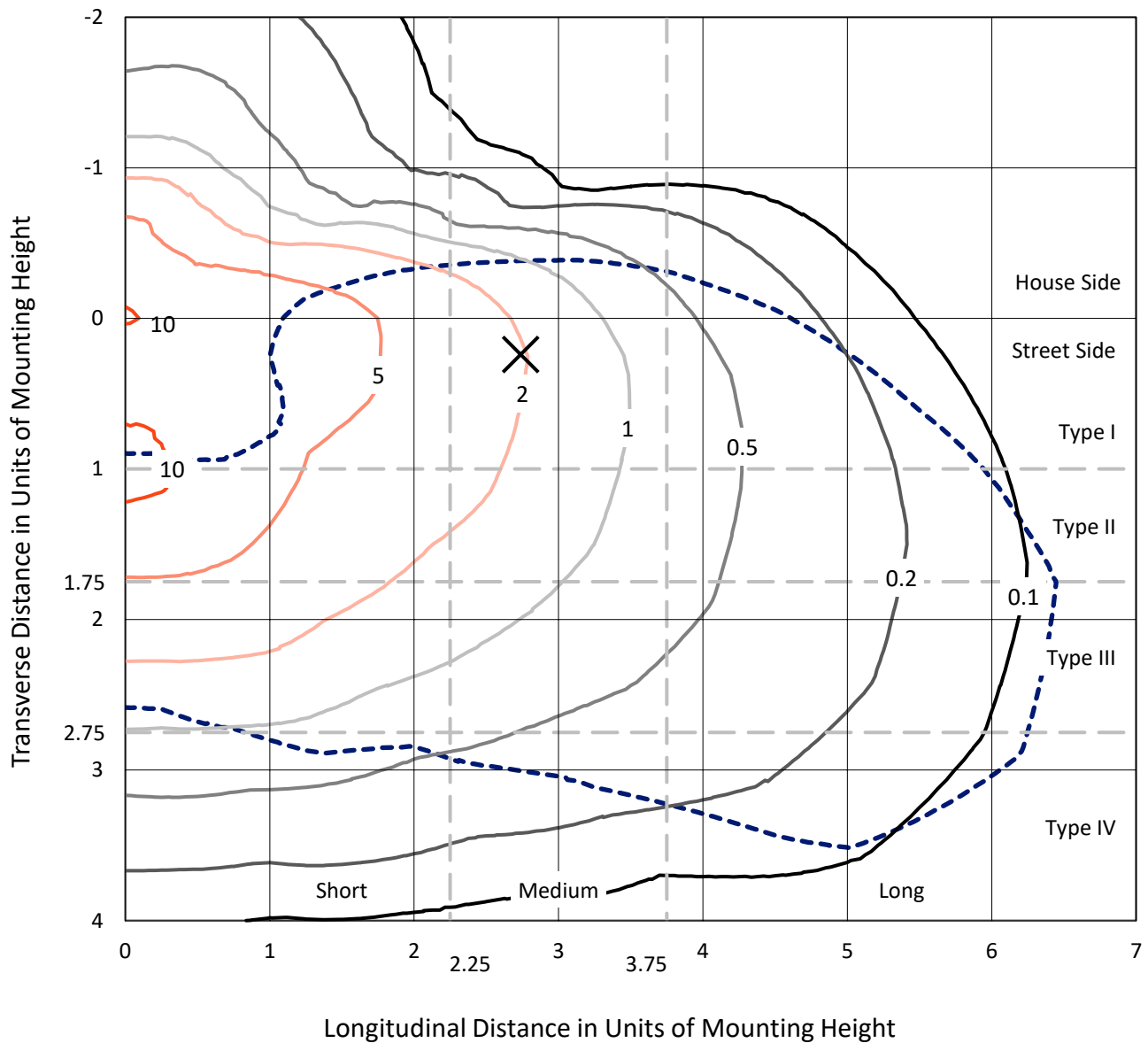


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

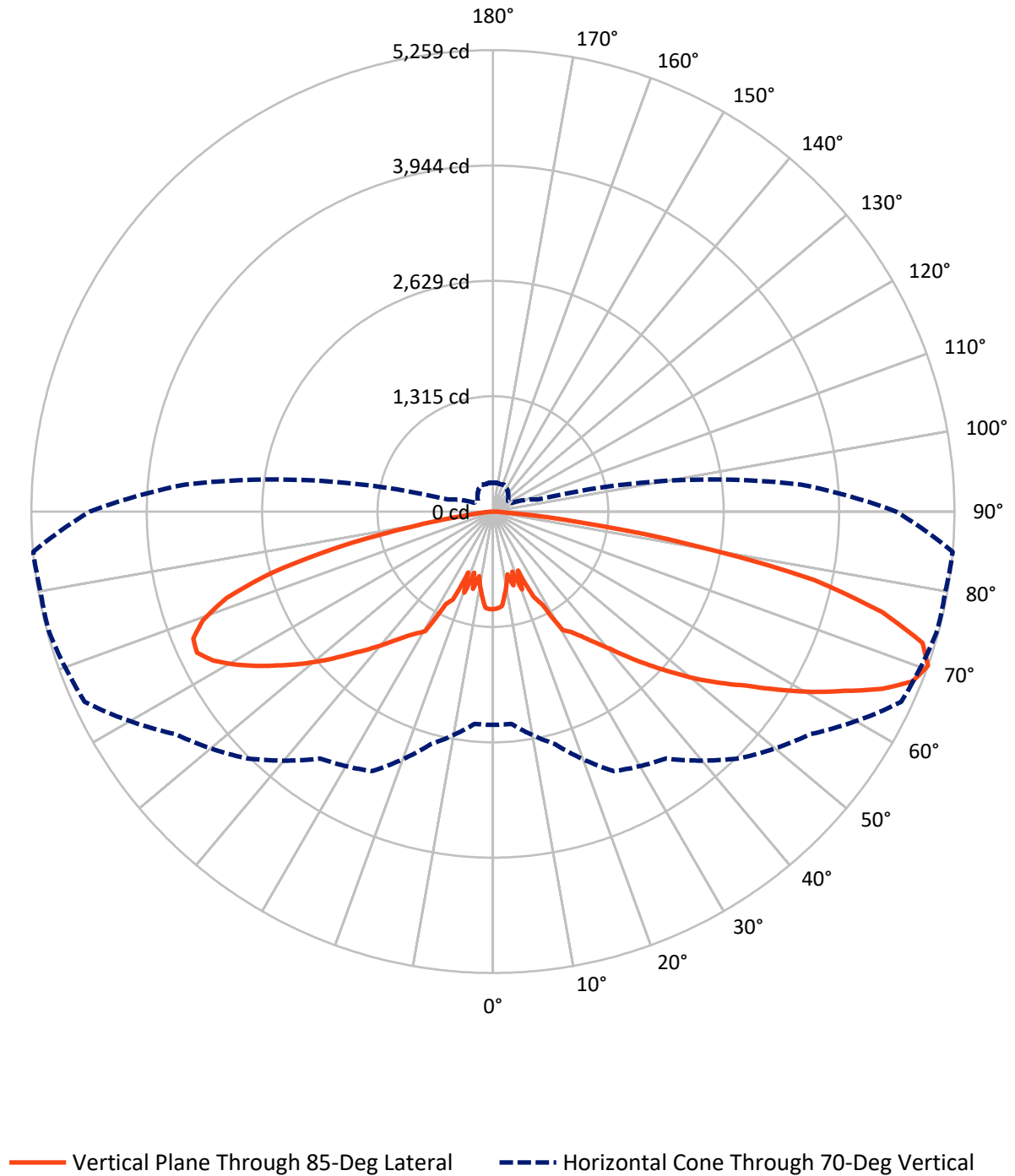


Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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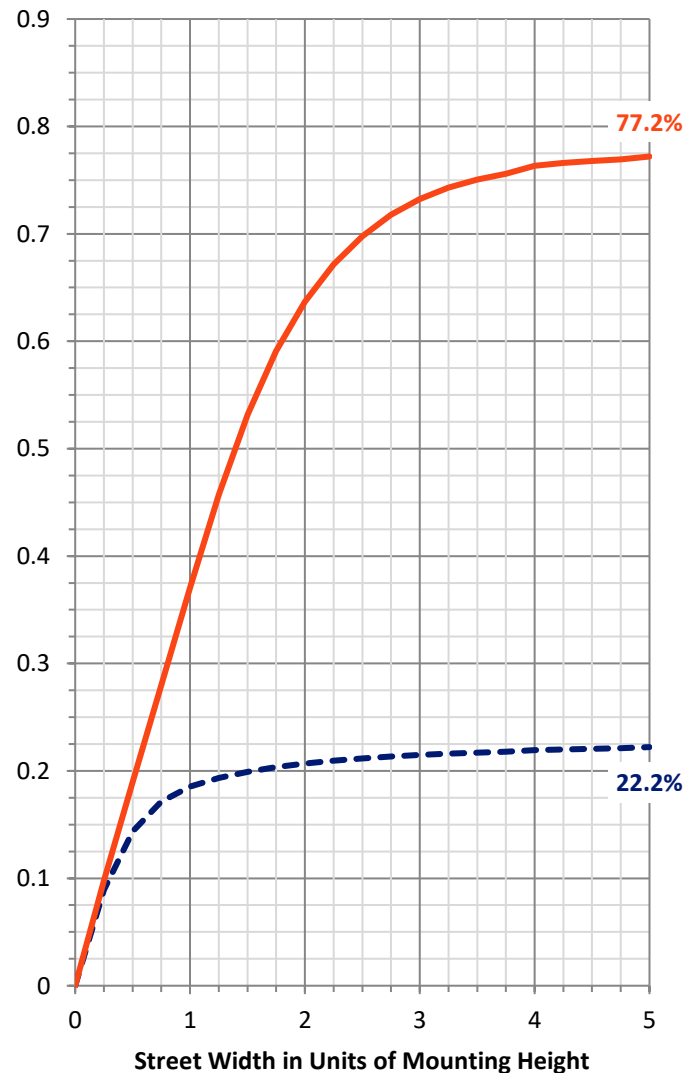
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2116.6	0.0	2116.6
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	7244.7	0.0	7244.7
	% Fixture	77.4	0.0	77.4
Total	Lumens	9361.3	0.0	9361.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	1.0
10°-20°	226.0	2.4
20°-30°	413.1	4.4
30°-40°	780.1	8.3
40°-50°	1270.9	13.6
50°-60°	1960.6	20.9
60°-70°	2403.1	25.7
70°-80°	1882.0	20.1
80°-90°	335.1	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°	9361.3	100.0
0°-180°	9361.3	100.0



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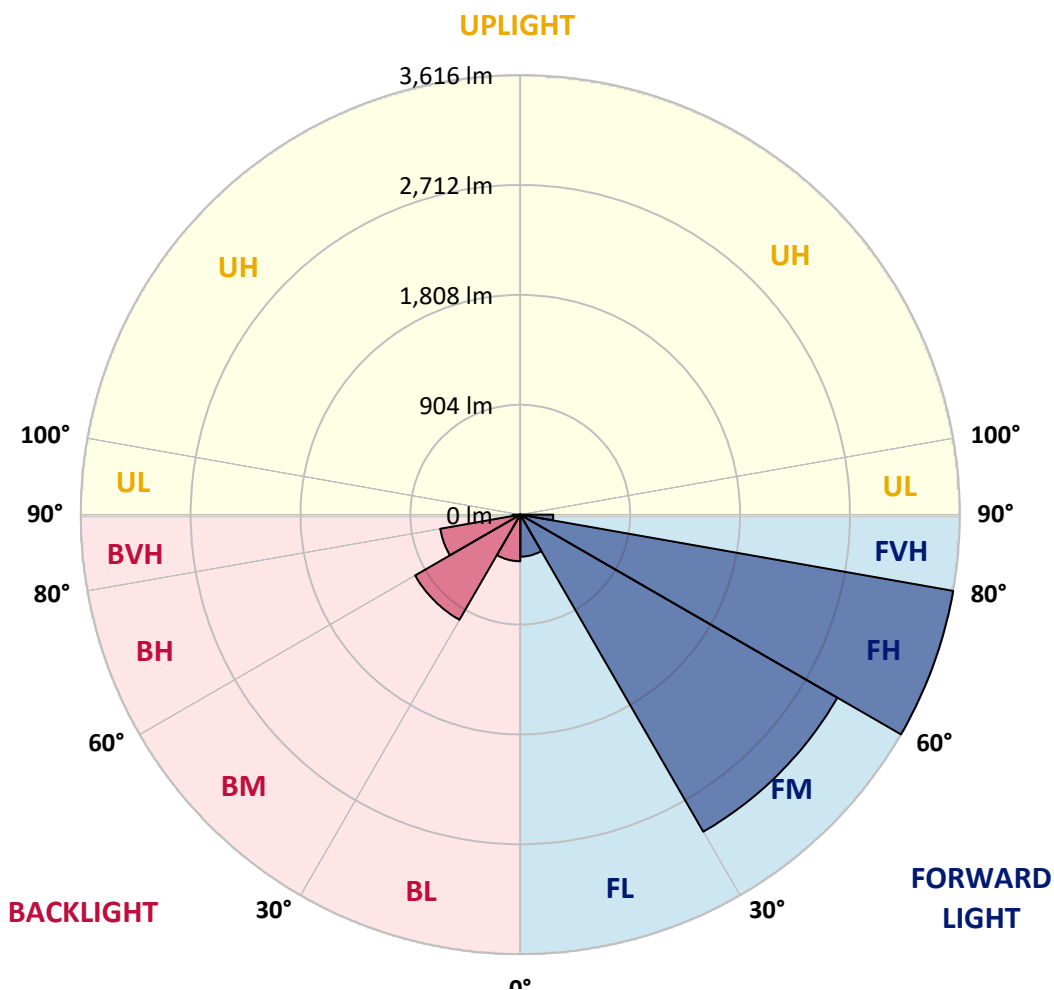
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	345.6	3.7			
FM	(30°-60°)	3011.7	32.2			
FH	(60°-80°)	3615.9	38.6			G2/5000
FVH	(80°-90°)	271.4	2.9			G3/500
BL	(0°-30°)	383.9	4.1	B1/500		
BM	(30°-60°)	999.8	10.7	B1/1000		
BH	(60°-80°)	669.2	7.1	B2/1000		G2/1000
BVH	(80°-90°)	63.7	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°	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0
2.5°	917.0	999.1	999.1	999.1	1016.2	1029.9	1036.7	1040.1	1053.8	1064.1	1070.9
5°	855.4	858.8	858.8	858.8	862.2	865.6	869.1	872.5	879.3	882.7	893.0
7.5°	718.5	732.2	759.6	783.5	800.6	817.7	831.4	841.7	848.5	855.4	858.8
10°	800.6	800.6	800.6	800.6	800.6	800.6	759.6	718.5	721.9	721.9	701.4
12.5°	670.6	691.1	721.9	749.3	773.3	793.8	766.4	739.0	687.7	636.4	636.4
15°	776.7	776.7	773.3	769.8	725.4	680.9	639.8	598.8	626.1	653.5	605.6
17.5°	667.2	670.6	711.7	749.3	742.5	732.2	694.6	653.5	588.5	520.1	588.5
20°	855.4	845.1	824.6	804.0	708.2	612.4	629.6	646.7	663.8	677.5	677.5
22.5°	786.9	793.8	807.5	821.2	810.9	797.2	698.0	598.8	656.9	715.1	663.8
25°	1077.8	1077.8	1036.7	995.7	893.0	786.9	804.0	817.7	718.5	615.9	701.4
27.5°	995.7	988.8	971.7	951.2	971.7	988.8	899.8	807.5	834.8	862.2	790.4
30°	1324.1	1324.1	1307.0	1289.9	1142.8	992.2	982.0	968.3	910.1	848.5	889.6
32.5°	1587.6	1584.1	1505.5	1426.8	1344.6	1259.1	1170.1	1077.8	1070.9	1064.1	1057.2
35°	1902.3	1902.3	1857.9	1813.4	1632.0	1447.3	1341.2	1235.2	1204.4	1173.6	1197.5
37.5°	2080.3	2104.2	2087.1	2066.6	1868.1	1666.3	1519.1	1368.6	1337.8	1307.0	1317.3
40°	2326.6	2319.8	2316.3	2309.5	2080.3	1851.0	1693.6	1532.8	1512.3	1491.8	1491.8
42.5°	2699.5	2661.9	2620.9	2576.4	2343.7	2111.1	1936.6	1758.6	1721.0	1679.9	1683.4
45°	3212.8	3171.7	3075.9	2976.7	2740.6	2504.5	2271.9	2039.2	1974.2	1905.8	1898.9
47.5°	3527.5	3483.1	3435.2	3383.8	3130.7	2877.5	2638.0	2395.0	2299.2	2203.4	2165.8
50°	3852.6	3811.5	3773.9	3736.3	3513.9	3291.5	3052.0	2812.5	2661.9	2511.4	2446.4
52.5°	4160.5	4085.2	4047.6	4010.0	3821.8	3630.2	3380.4	3130.7	3017.7	2904.8	2764.6
55°	4311.1	4218.7	4205.0	4187.9	4047.6	3903.9	3664.4	3424.9	3298.3	3168.3	3028.0
57.5°	4098.9	4105.8	4181.1	4256.3	4177.6	4098.9	3873.1	3647.3	3520.7	3394.1	3288.0
60°	3907.3	3958.7	4051.0	4143.4	4150.3	4153.7	4033.9	3914.2	3773.9	3633.6	3551.5
62.5°	3643.9	3681.5	3825.2	3965.5	4071.6	4174.2	4051.0	3927.9	3880.0	3828.6	3777.3
65°	3288.0	3298.3	3462.5	3623.3	3815.0	4003.1	3907.3	3811.5	3893.6	3972.3	3979.2
67.5°	2853.5	2884.3	3045.1	3205.9	3438.6	3667.8	3664.4	3661.0	3835.5	4006.6	4126.3
70°	2429.3	2429.3	2586.6	2744.0	3004.1	3264.1	3349.6	3435.2	3705.5	3975.8	4198.2
72.5°	1830.5	1916.0	1998.1	2080.3	2371.1	2658.5	2846.7	3034.9	3438.6	3838.9	4177.6
75°	1009.3	1016.2	1088.0	1159.9	1450.7	1741.5	2025.5	2309.5	2850.1	3390.7	3924.4
77.5°	331.9	321.6	362.7	400.3	571.4	739.0	978.5	1218.0	1813.4	2408.7	3267.5
80°	184.8	188.2	201.9	215.6	270.3	321.6	437.9	554.3	807.5	1057.2	2076.8
82.5°	123.2	126.6	140.3	154.0	177.9	201.9	266.9	328.5	352.4	372.9	937.5
85°	78.7	82.1	89.0	95.8	102.6	106.1	150.5	195.0	177.9	160.8	280.6
87.5°	17.1	17.1	20.5	20.5	24.0	27.4	34.2	41.1	37.6	30.8	41.1
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°	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0
2.5°	1074.3	1081.2	1084.6	1088.0	1091.5	1098.3	1101.7	1105.1	1112.0	1115.4	1115.4
5°	903.3	964.9	1023.0	1043.6	1064.1	1074.3	1081.2	1091.5	1098.3	1105.1	1112.0
7.5°	862.2	865.6	869.1	893.0	917.0	937.5	958.0	964.9	982.0	971.7	958.0
10°	677.5	680.9	680.9	704.8	728.8	800.6	848.5	858.8	869.1	828.0	783.5
12.5°	633.0	650.1	667.2	656.9	646.7	698.0	732.2	745.9	752.7	725.4	698.0
15°	554.3	571.4	585.1	663.8	742.5	810.9	872.5	889.6	910.1	865.6	817.7
17.5°	656.9	650.1	639.8	653.5	667.2	684.3	718.5	728.8	728.8	742.5	756.1
20°	677.5	602.2	526.9	667.2	807.5	869.1	947.8	975.1	982.0	944.3	906.7
22.5°	609.0	694.6	780.1	763.0	745.9	728.8	728.8	739.0	749.3	756.1	763.0
25°	783.5	711.7	639.8	804.0	968.3	1033.3	1070.9	1088.0	1101.7	1053.8	1002.5
27.5°	718.5	814.3	906.7	978.5	1050.4	1122.2	1200.9	1276.2	1183.8	1139.4	1094.9
30°	927.2	1005.9	1084.6	1255.7	1426.8	1519.1	1567.0	1567.0	1567.0	1502.0	1433.6
32.5°	1050.4	1187.3	1324.1	1416.5	1505.5	1597.8	1635.5	1635.5	1635.5	1556.8	1474.7
35°	1218.0	1327.5	1437.0	1543.1	1649.2	1721.0	1748.4	1738.1	1717.6	1611.5	1505.5
37.5°	1327.5	1474.7	1621.8	1731.3	1837.3	1881.8	1892.1	1861.3	1830.5	1690.2	1546.5
40°	1491.8	1652.6	1810.0	1926.3	2042.6	2080.3	2059.7	2018.7	1963.9	1775.7	1587.6
42.5°	1683.4	1844.2	2005.0	2141.8	2275.3	2299.2	2268.4	2203.4	2107.6	1851.0	1591.0
45°	1892.1	2052.9	2210.3	2364.2	2518.2	2535.3	2494.3	2398.5	2258.2	1922.9	1587.6
47.5°	2124.7	2251.3	2377.9	2596.9	2815.9	2795.4	2733.8	2624.3	2439.5	2008.4	1573.9
50°	2381.4	2480.6	2576.4	2850.1	3123.8	3062.2	2993.8	2874.0	2631.1	2107.6	1580.7
52.5°	2620.9	2716.7	2812.5	3096.4	3377.0	3318.8	3243.6	3137.5	2826.1	2213.7	1597.8
55°	2887.7	2990.4	3093.0	3394.1	3695.2	3596.0	3500.2	3431.7	3017.7	2302.7	1587.6
57.5°	3178.6	3308.6	3438.6	3715.7	3989.4	3883.4	3828.6	3739.7	3229.9	2408.7	1587.6
60°	3469.4	3626.8	3784.2	4027.1	4270.0	4184.5	4174.2	4051.0	3428.3	2487.4	1543.1
62.5°	3726.0	3962.1	4198.2	4389.8	4577.9	4495.8	4499.2	4355.5	3613.1	2504.5	1392.5
65°	3986.0	4290.5	4591.6	4731.9	4872.2	4814.0	4872.2	4615.6	3736.3	2436.1	1135.9
67.5°	4242.6	4577.9	4913.2	5019.3	5125.4	5091.2	5159.6	4701.1	3708.9	2258.2	804.0
70°	4420.6	4776.4	5132.2	5187.0	5241.7	5234.9	5258.8	4595.0	3524.1	2028.9	530.3
72.5°	4516.4	4851.7	5183.5	5207.5	5228.0	5217.8	5118.5	4263.2	3192.2	1779.2	366.1
75°	4454.8	4779.8	5104.9	5056.9	5009.0	4913.2	4581.4	3671.2	2617.4	1443.9	270.3
77.5°	4126.3	4478.7	4831.1	4708.0	4581.4	4300.8	3743.1	2750.9	1820.2	1016.2	208.7
80°	3096.4	3531.0	3965.5	3818.4	3667.8	3075.9	2278.7	1539.7	940.9	550.9	160.8
82.5°	1498.6	1741.5	1984.5	1946.8	1909.2	1413.1	985.4	554.3	270.3	198.4	126.6
85°	396.9	588.5	780.1	745.9	711.7	376.4	164.2	143.7	106.1	99.2	89.0
87.5°	47.9	54.7	58.2	41.1	20.5	17.1	17.1	10.3	10.3	13.7	13.7
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°	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0	1112.0
2.5°	1122.2	1125.7	1125.7	1125.7	1125.7	1125.7	1098.3	1070.9	1064.1	1057.2	1043.6
5°	1081.2	1047.0	1023.0	999.1	999.1	995.7	1005.9	1016.2	1023.0	1026.4	1029.9
7.5°	961.4	964.9	985.4	1002.5	1019.6	1033.3	1043.6	1050.4	1043.6	1033.3	992.2
10°	786.9	790.4	807.5	821.2	845.1	865.6	923.8	978.5	1043.6	1108.6	1125.7
12.5°	749.3	797.2	769.8	742.5	817.7	889.6	964.9	1036.7	1088.0	1135.9	1101.7
15°	763.0	708.2	718.5	728.8	821.2	913.5	858.8	800.6	937.5	1074.3	1105.1
17.5°	759.6	759.6	810.9	862.2	776.7	687.7	814.3	937.5	992.2	1043.6	1002.5
20°	810.9	711.7	749.3	783.5	851.9	917.0	862.2	807.5	828.0	848.5	982.0
22.5°	845.1	923.8	838.3	749.3	810.9	872.5	862.2	851.9	913.5	975.1	940.9
25°	882.7	759.6	821.2	879.3	810.9	739.0	793.8	845.1	828.0	810.9	917.0
27.5°	1012.8	927.2	848.5	769.8	810.9	848.5	807.5	763.0	780.1	797.2	790.4
30°	1224.9	1012.8	913.5	814.3	763.0	708.2	711.7	715.1	735.6	756.1	814.3
32.5°	1279.6	1084.6	940.9	797.2	763.0	728.8	698.0	663.8	694.6	725.4	793.8
35°	1293.3	1077.8	923.8	769.8	715.1	660.3	639.8	619.3	670.6	721.9	783.5
37.5°	1286.5	1023.0	858.8	694.6	653.5	612.4	602.2	588.5	622.7	653.5	698.0
40°	1269.4	951.2	786.9	622.7	588.5	554.3	547.4	540.6	564.5	588.5	615.9
42.5°	1238.6	882.7	718.5	554.3	530.3	506.4	499.5	489.3	509.8	530.3	540.6
45°	1200.9	814.3	660.3	503.0	485.9	465.3	455.1	441.4	461.9	479.0	482.4
47.5°	1163.3	749.3	609.0	465.3	451.6	434.5	424.3	410.6	427.7	441.4	444.8
50°	1132.5	680.9	554.3	427.7	414.0	400.3	390.0	379.8	396.9	410.6	410.6
52.5°	1115.4	629.6	506.4	383.2	376.4	369.5	366.1	359.3	372.9	386.6	390.0
55°	1074.3	557.7	451.6	342.1	345.6	345.6	342.1	335.3	362.7	386.6	396.9
57.5°	1029.9	472.2	393.5	311.4	318.2	325.0	328.5	331.9	362.7	390.0	403.7
60°	971.7	400.3	342.1	284.0	294.2	301.1	318.2	331.9	359.3	386.6	393.5
62.5°	869.1	342.1	301.1	260.0	273.7	287.4	307.9	328.5	349.0	369.5	369.5
65°	718.5	297.7	270.3	239.5	260.0	277.1	301.1	325.0	342.1	355.8	352.4
67.5°	537.2	266.9	246.3	222.4	246.3	266.9	287.4	307.9	328.5	349.0	342.1
70°	386.6	239.5	225.8	208.7	229.2	249.8	270.3	290.8	311.4	331.9	328.5
72.5°	294.2	219.0	205.3	191.6	212.1	229.2	253.2	277.1	297.7	318.2	311.4
75°	236.1	198.4	188.2	174.5	195.0	215.6	239.5	260.0	280.6	301.1	294.2
77.5°	195.0	177.9	167.7	157.4	174.5	191.6	215.6	239.5	260.0	277.1	270.3
80°	157.4	150.5	143.7	133.4	154.0	171.1	195.0	215.6	232.7	249.8	239.5
82.5°	123.2	119.8	116.3	109.5	126.6	143.7	167.7	191.6	205.3	219.0	212.1
85°	92.4	92.4	89.0	85.5	99.2	109.5	123.2	133.4	147.1	157.4	150.5
87.5°	13.7	13.7	20.5	24.0	24.0	24.0	34.2	44.5	44.5	41.1	34.2
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°	1112.0	1112.0	1112.0	1112.0
2.5°	1029.9	1029.9	1029.9	1033.3
5°	1033.3	1036.7	1036.7	1043.6
7.5°	947.8	944.3	940.9	940.9
10°	1139.4	1146.2	1149.6	1156.5
12.5°	1064.1	1023.0	982.0	982.0
15°	1135.9	1142.8	1146.2	1153.0
17.5°	961.4	958.0	954.6	947.8
20°	1112.0	1118.8	1122.2	1122.2
22.5°	906.7	906.7	903.3	903.3
25°	1023.0	1023.0	1023.0	1029.9
27.5°	780.1	804.0	828.0	858.8
30°	872.5	875.9	879.3	879.3
32.5°	862.2	906.7	951.2	958.0
35°	845.1	845.1	841.7	845.1
37.5°	742.5	732.2	718.5	725.4
40°	639.8	615.9	591.9	588.5
42.5°	550.9	530.3	506.4	506.4
45°	485.9	472.2	455.1	448.2
47.5°	444.8	431.1	417.4	414.0
50°	407.2	393.5	379.8	379.8
52.5°	393.5	383.2	369.5	366.1
55°	407.2	386.6	366.1	359.3
57.5°	414.0	390.0	366.1	355.8
60°	396.9	383.2	366.1	352.4
62.5°	366.1	359.3	352.4	345.6
65°	345.6	345.6	342.1	335.3
67.5°	335.3	338.7	338.7	331.9
70°	321.6	328.5	331.9	325.0
72.5°	304.5	307.9	307.9	297.7
75°	284.0	280.6	277.1	270.3
77.5°	260.0	256.6	249.8	242.9
80°	229.2	225.8	222.4	212.1
82.5°	201.9	208.7	212.1	174.5
85°	140.3	126.6	112.9	92.4
87.5°	27.4	20.5	10.3	10.3
90°	0.0	0.0	0.0	0.0



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