

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: P559819

Luminaire Tested: **SDL-PA1-100-727-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559819
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-PA1-100-727-U-T3
Description: Springdale
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8596.5 lumens
Efficiency: N/A
Efficacy: 91.6 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

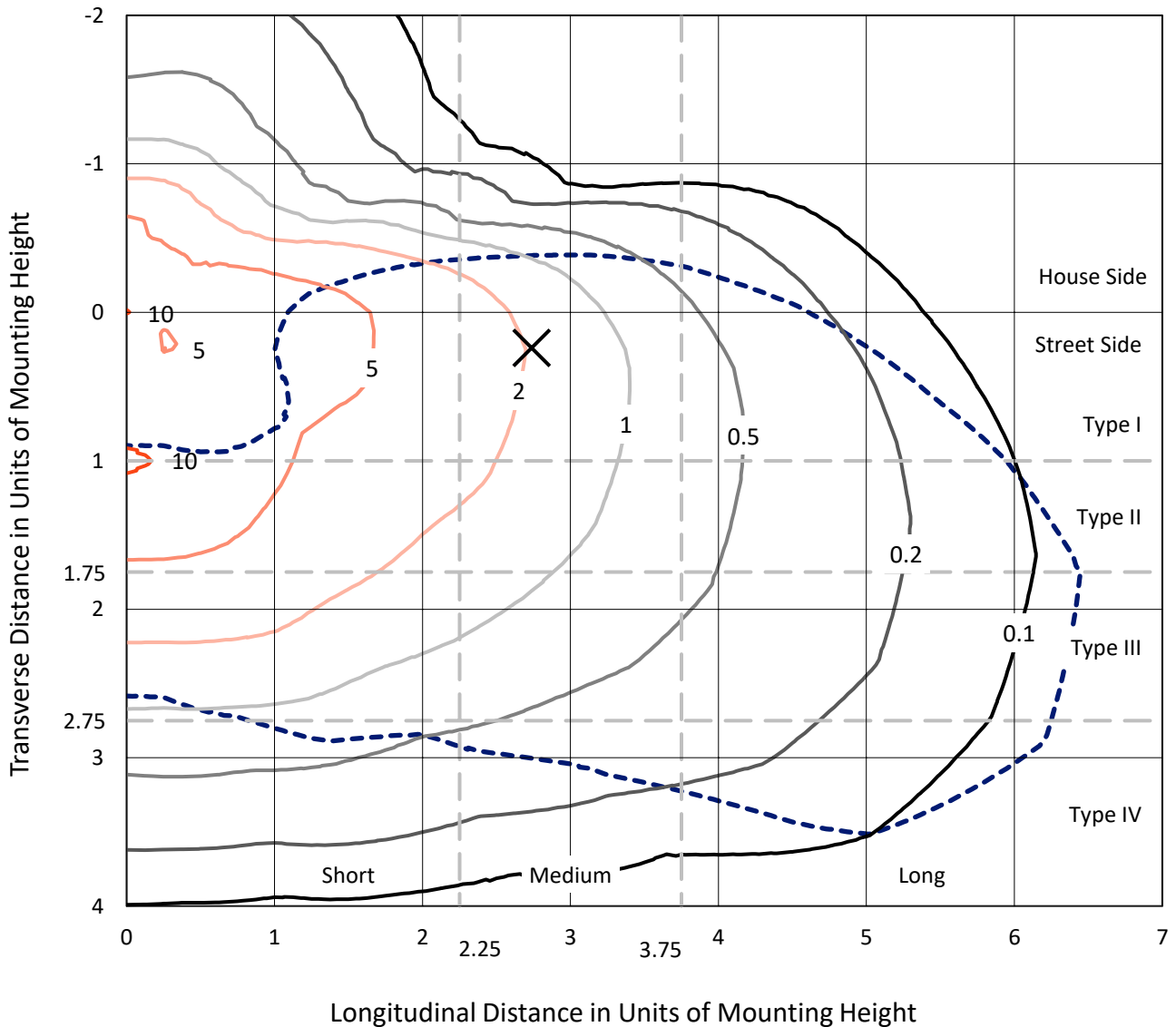
Input Watts (W): 93.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

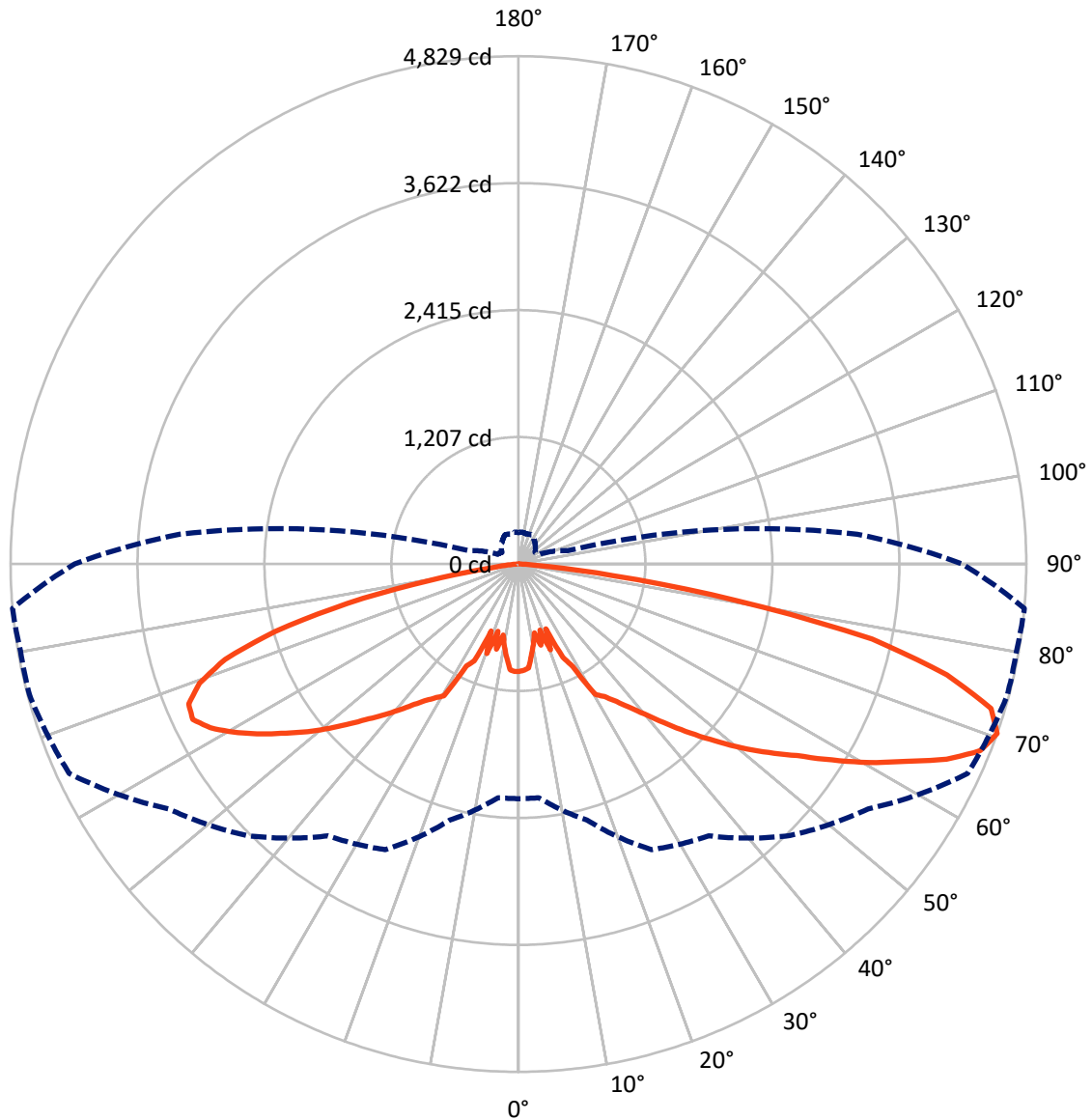
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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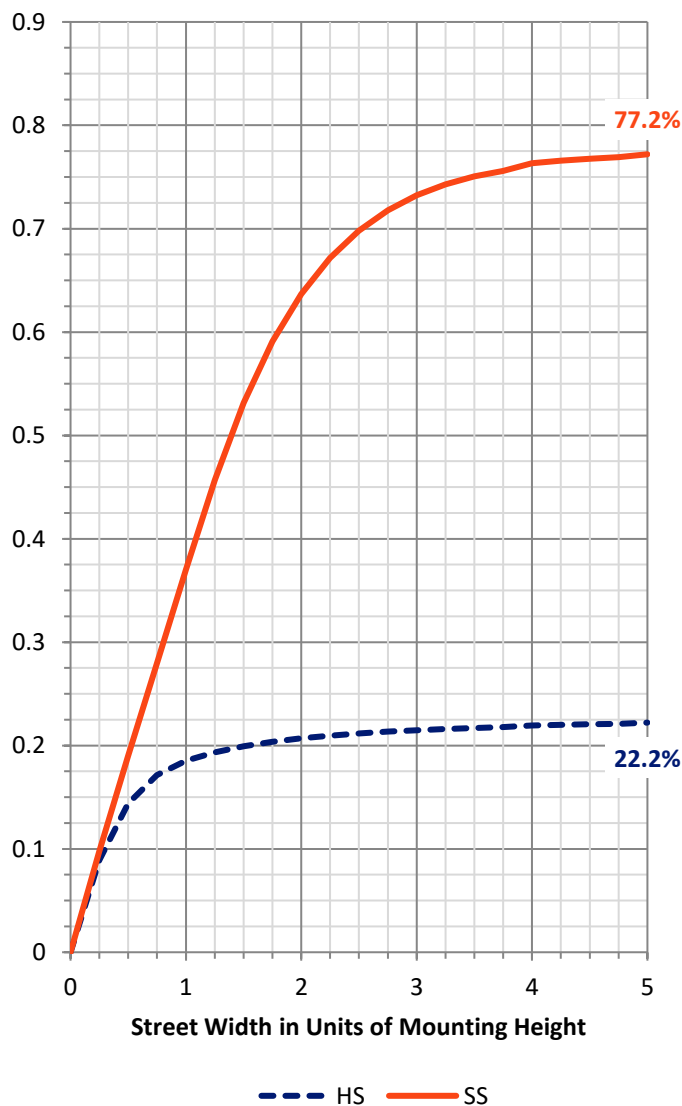
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1943.7	0.0	1943.7
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	6652.8	0.0	6652.8
	% Fixture	77.4	0.0	77.4
Total	Lumens	8596.5	0.0	8596.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	1.0
10°-20°	207.6	2.4
20°-30°	379.4	4.4
30°-40°	716.4	8.3
40°-50°	1167.0	13.6
50°-60°	1800.4	20.9
60°-70°	2206.8	25.7
70°-80°	1728.2	20.1
80°-90°	307.7	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°	8596.5	100.0
0°-180°	8596.5	100.0

Coefficient of Utilization



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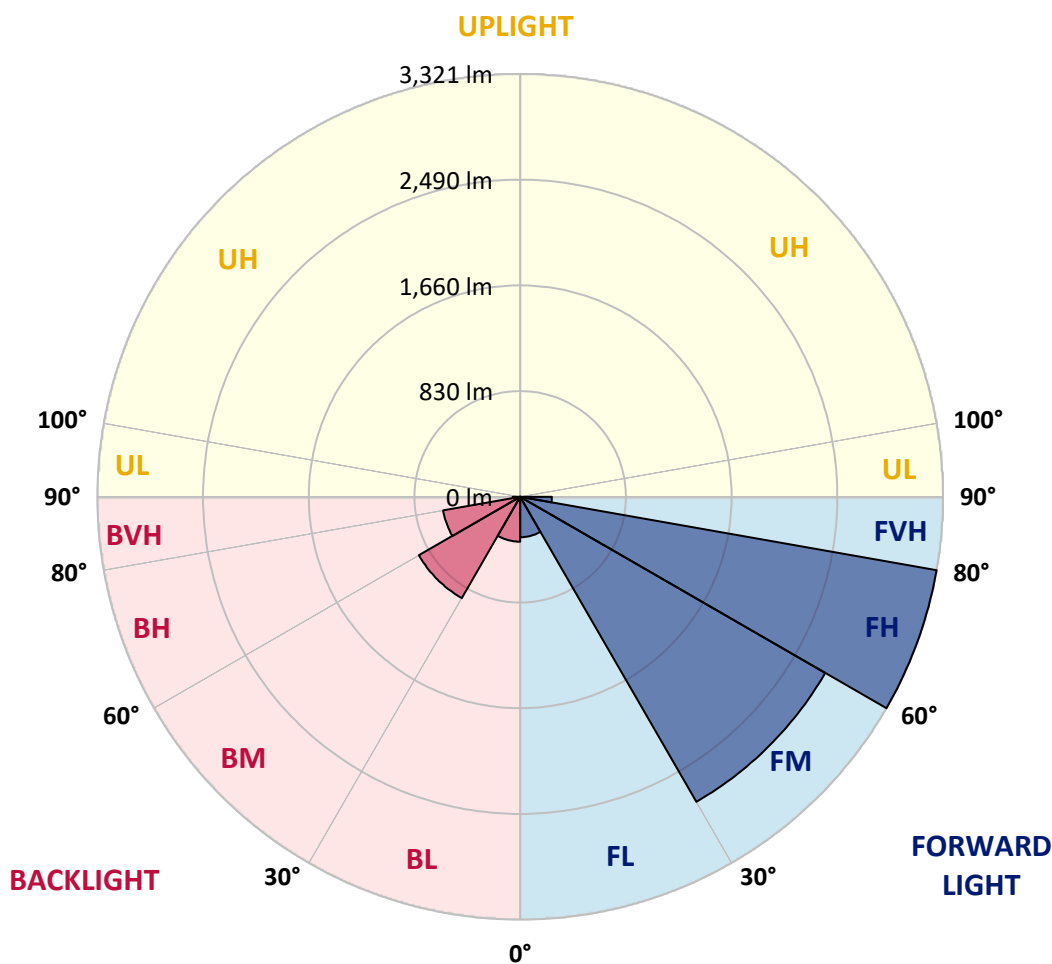
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	317.4	3.7			
FM (30°-60°)	2765.7	32.2			
FH (60°-80°)	3320.5	38.6			G2/5000
FVH (80°-90°)	249.2	2.9			G3/500
BL (0°-30°)	352.5	4.1	B1/500		
BM (30°-60°)	918.1	10.7	B1/1000		
BH (60°-80°)	614.5	7.1	B2/1000		G2/1000
BVH (80°-90°)	58.5	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1
2.5°	842.0	917.4	917.4	917.4	933.2	945.7	952.0	955.2	967.7	977.1	983.4
5°	785.5	788.6	788.6	788.6	791.8	794.9	798.1	801.2	807.5	810.6	820.0
7.5°	659.8	672.4	697.5	719.5	735.2	750.9	763.5	772.9	779.2	785.5	788.6
10°	735.2	735.2	735.2	735.2	735.2	735.2	697.5	659.8	663.0	663.0	644.1
12.5°	615.8	634.7	663.0	688.1	710.1	728.9	703.8	678.7	631.5	584.4	584.4
15°	713.2	713.2	710.1	706.9	666.1	625.2	587.5	549.8	575.0	600.1	556.1
17.5°	612.7	615.8	653.5	688.1	681.8	672.4	637.8	600.1	540.4	477.6	540.4
20°	785.5	776.1	757.2	738.4	650.4	562.4	578.1	593.8	609.5	622.1	622.1
22.5°	722.6	728.9	741.5	754.1	744.6	732.1	641.0	549.8	603.3	656.7	609.5
25°	989.7	989.7	952.0	914.3	820.0	722.6	738.4	750.9	659.8	565.6	644.1
27.5°	914.3	908.0	892.3	873.5	892.3	908.0	826.3	741.5	766.6	791.8	725.8
30°	1215.9	1215.9	1200.2	1184.5	1049.4	911.2	901.7	889.2	835.8	779.2	816.9
32.5°	1457.9	1454.7	1382.5	1310.2	1234.8	1156.2	1074.5	989.7	983.4	977.1	970.9
35°	1746.9	1746.9	1706.1	1665.2	1498.7	1329.0	1231.6	1134.2	1106.0	1077.7	1099.7
37.5°	1910.3	1932.3	1916.6	1897.7	1715.5	1530.1	1395.0	1256.8	1228.5	1200.2	1209.7
40°	2136.5	2130.2	2127.1	2120.8	1910.3	1699.8	1555.3	1407.6	1388.7	1369.9	1369.9
42.5°	2479.0	2444.4	2406.7	2365.9	2152.2	1938.6	1778.3	1615.0	1580.4	1542.7	1545.8
45°	2950.3	2912.6	2824.6	2733.5	2516.7	2299.9	2086.3	1872.6	1812.9	1750.1	1743.8
47.5°	3239.3	3198.5	3154.5	3107.4	2874.9	2642.4	2422.4	2199.4	2111.4	2023.4	1988.9
50°	3537.8	3500.1	3465.6	3431.0	3226.8	3022.6	2802.6	2582.7	2444.4	2306.2	2246.5
52.5°	3820.6	3751.5	3716.9	3682.4	3509.6	3333.6	3104.2	2874.9	2771.2	2667.5	2538.7
55°	3958.9	3874.0	3861.5	3845.7	3716.9	3585.0	3365.0	3145.1	3028.8	2909.4	2780.6
57.5°	3764.1	3770.3	3839.5	3908.6	3836.3	3764.1	3556.7	3349.3	3233.1	3116.8	3019.4
60°	3588.1	3635.2	3720.1	3804.9	3811.2	3814.3	3704.4	3594.4	3465.6	3336.7	3261.3
62.5°	3346.2	3380.7	3512.7	3641.5	3738.9	3833.2	3720.1	3607.0	3563.0	3515.8	3468.7
65°	3019.4	3028.8	3179.7	3327.3	3503.3	3676.1	3588.1	3500.1	3575.5	3647.8	3654.1
67.5°	2620.4	2648.7	2796.3	2944.0	3157.7	3368.2	3365.0	3361.9	3522.1	3679.2	3789.2
70°	2230.8	2230.8	2375.3	2519.8	2758.6	2997.4	3076.0	3154.5	3402.7	3650.9	3855.2
72.5°	1680.9	1759.5	1834.9	1910.3	2177.4	2441.3	2614.1	2786.9	3157.7	3525.3	3836.3
75°	926.9	933.2	999.1	1065.1	1332.2	1599.3	1860.0	2120.8	2617.2	3113.7	3603.8
77.5°	304.8	295.3	333.0	367.6	524.7	678.7	898.6	1118.5	1665.2	2211.9	3000.6
80°	169.7	172.8	185.4	197.9	248.2	295.3	402.2	509.0	741.5	970.9	1907.2
82.5°	113.1	116.3	128.8	141.4	163.4	185.4	245.1	301.6	323.6	342.5	860.9
85°	72.3	75.4	81.7	88.0	94.3	97.4	138.2	179.1	163.4	147.7	257.6
87.5°	15.7	15.7	18.9	18.9	22.0	25.1	31.4	37.7	34.6	28.3	37.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1
2.5°	986.6	992.9	996.0	999.1	1002.3	1008.6	1011.7	1014.8	1021.1	1024.3	1024.3
5°	829.5	886.0	939.4	958.3	977.1	986.6	992.9	1002.3	1008.6	1014.8	1021.1
7.5°	791.8	794.9	798.1	820.0	842.0	860.9	879.7	886.0	901.7	892.3	879.7
10°	622.1	625.2	625.2	647.2	669.2	735.2	779.2	788.6	798.1	760.4	719.5
12.5°	581.3	597.0	612.7	603.3	593.8	641.0	672.4	684.9	691.2	666.1	641.0
15°	509.0	524.7	537.3	609.5	681.8	744.6	801.2	816.9	835.8	794.9	750.9
17.5°	603.3	597.0	587.5	600.1	612.7	628.4	659.8	669.2	669.2	681.8	694.4
20°	622.1	553.0	483.9	612.7	741.5	798.1	870.3	895.5	901.7	867.2	832.6
22.5°	559.3	637.8	716.4	700.7	684.9	669.2	669.2	678.7	688.1	694.4	700.7
25°	719.5	653.5	587.5	738.4	889.2	948.9	983.4	999.1	1011.7	967.7	920.6
27.5°	659.8	747.8	832.6	898.6	964.6	1030.6	1102.8	1171.9	1087.1	1046.3	1005.4
30°	851.5	923.7	996.0	1153.1	1310.2	1395.0	1439.0	1439.0	1439.0	1379.3	1316.5
32.5°	964.6	1090.3	1215.9	1300.8	1382.5	1467.3	1501.9	1501.9	1501.9	1429.6	1354.2
35°	1118.5	1219.1	1319.6	1417.0	1514.4	1580.4	1605.5	1596.1	1577.3	1479.9	1382.5
37.5°	1219.1	1354.2	1489.3	1589.8	1687.2	1728.1	1737.5	1709.2	1680.9	1552.1	1420.2
40°	1369.9	1517.6	1662.1	1768.9	1875.7	1910.3	1891.5	1853.7	1803.5	1630.7	1457.9
42.5°	1545.8	1693.5	1841.2	1966.9	2089.4	2111.4	2083.1	2023.4	1935.4	1699.8	1461.0
45°	1737.5	1885.2	2029.7	2171.1	2312.5	2328.2	2290.5	2202.5	2073.7	1765.8	1457.9
47.5°	1951.2	2067.4	2183.7	2384.7	2585.8	2567.0	2510.4	2409.9	2240.2	1844.3	1445.3
50°	2186.8	2277.9	2365.9	2617.2	2868.6	2812.0	2749.2	2639.2	2416.2	1935.4	1451.6
52.5°	2406.7	2494.7	2582.7	2843.5	3101.1	3047.7	2978.6	2881.2	2595.2	2032.8	1467.3
55°	2651.8	2746.1	2840.3	3116.8	3393.3	3302.2	3214.2	3151.4	2771.2	2114.5	1457.9
57.5°	2918.9	3038.3	3157.7	3412.2	3663.5	3566.1	3515.8	3434.1	2966.0	2211.9	1457.9
60°	3185.9	3330.5	3475.0	3698.1	3921.2	3842.6	3833.2	3720.1	3148.2	2284.2	1417.0
62.5°	3421.6	3638.4	3855.2	4031.1	4203.9	4128.5	4131.7	3999.7	3317.9	2299.9	1278.8
65°	3660.4	3940.0	4216.5	4345.3	4474.1	4420.7	4474.1	4238.5	3431.0	2237.1	1043.1
67.5°	3896.0	4203.9	4511.8	4609.2	4706.6	4675.2	4738.1	4317.0	3405.9	2073.7	738.4
70°	4059.4	4386.2	4712.9	4763.2	4813.5	4807.2	4829.2	4219.6	3236.2	1863.2	487.0
72.5°	4147.4	4455.3	4760.1	4782.0	4800.9	4791.5	4700.4	3914.9	2931.4	1633.8	336.2
75°	4090.8	4389.3	4687.8	4643.8	4599.8	4511.8	4207.1	3371.3	2403.6	1325.9	248.2
77.5°	3789.2	4112.8	4436.4	4323.3	4207.1	3949.4	3437.3	2526.1	1671.5	933.2	191.7
80°	2843.5	3242.5	3641.5	3506.4	3368.2	2824.6	2092.5	1413.9	864.0	505.9	147.7
82.5°	1376.2	1599.3	1822.3	1787.8	1753.2	1297.6	904.9	509.0	248.2	182.2	116.3
85°	364.5	540.4	716.4	684.9	653.5	345.6	150.8	132.0	97.4	91.1	81.7
87.5°	44.0	50.3	53.4	37.7	18.9	15.7	15.7	9.4	9.4	12.6	12.6
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°	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1
2.5°	1030.6	1033.7	1033.7	1033.7	1033.7	1033.7	1008.6	983.4	977.1	970.9	958.3
5°	992.9	961.4	939.4	917.4	917.4	914.3	923.7	933.2	939.4	942.6	945.7
7.5°	882.9	886.0	904.9	920.6	936.3	948.9	958.3	964.6	958.3	948.9	911.2
10°	722.6	725.8	741.5	754.1	776.1	794.9	848.3	898.6	958.3	1018.0	1033.7
12.5°	688.1	732.1	706.9	681.8	750.9	816.9	886.0	952.0	999.1	1043.1	1011.7
15°	700.7	650.4	659.8	669.2	754.1	838.9	788.6	735.2	860.9	986.6	1014.8
17.5°	697.5	697.5	744.6	791.8	713.2	631.5	747.8	860.9	911.2	958.3	920.6
20°	744.6	653.5	688.1	719.5	782.3	842.0	791.8	741.5	760.4	779.2	901.7
22.5°	776.1	848.3	769.8	688.1	744.6	801.2	791.8	782.3	838.9	895.5	864.0
25°	810.6	697.5	754.1	807.5	744.6	678.7	728.9	776.1	760.4	744.6	842.0
27.5°	930.0	851.5	779.2	706.9	744.6	779.2	741.5	700.7	716.4	732.1	725.8
30°	1124.8	930.0	838.9	747.8	700.7	650.4	653.5	656.7	675.5	694.4	747.8
32.5°	1175.1	996.0	864.0	732.1	700.7	669.2	641.0	609.5	637.8	666.1	728.9
35°	1187.7	989.7	848.3	706.9	656.7	606.4	587.5	568.7	615.8	663.0	719.5
37.5°	1181.4	939.4	788.6	637.8	600.1	562.4	553.0	540.4	571.8	600.1	641.0
40°	1165.7	873.5	722.6	571.8	540.4	509.0	502.7	496.4	518.4	540.4	565.6
42.5°	1137.4	810.6	659.8	509.0	487.0	465.0	458.7	449.3	468.2	487.0	496.4
45°	1102.8	747.8	606.4	461.9	446.2	427.3	417.9	405.3	424.2	439.9	443.0
47.5°	1068.3	688.1	559.3	427.3	414.7	399.0	389.6	377.0	392.7	405.3	408.5
50°	1040.0	625.2	509.0	392.7	380.2	367.6	358.2	348.8	364.5	377.0	377.0
52.5°	1024.3	578.1	465.0	351.9	345.6	339.3	336.2	329.9	342.5	355.0	358.2
55°	986.6	512.1	414.7	314.2	317.3	317.3	314.2	307.9	333.0	355.0	364.5
57.5°	945.7	433.6	361.3	285.9	292.2	298.5	301.6	304.8	333.0	358.2	370.7
60°	892.3	367.6	314.2	260.8	270.2	276.5	292.2	304.8	329.9	355.0	361.3
62.5°	798.1	314.2	276.5	238.8	251.4	263.9	282.8	301.6	320.5	339.3	339.3
65°	659.8	273.3	248.2	219.9	238.8	254.5	276.5	298.5	314.2	326.8	323.6
67.5°	493.3	245.1	226.2	204.2	226.2	245.1	263.9	282.8	301.6	320.5	314.2
70°	355.0	219.9	207.4	191.7	210.5	229.4	248.2	267.1	285.9	304.8	301.6
72.5°	270.2	201.1	188.5	175.9	194.8	210.5	232.5	254.5	273.3	292.2	285.9
75°	216.8	182.2	172.8	160.2	179.1	197.9	219.9	238.8	257.6	276.5	270.2
77.5°	179.1	163.4	154.0	144.5	160.2	175.9	197.9	219.9	238.8	254.5	248.2
80°	144.5	138.2	132.0	122.5	141.4	157.1	179.1	197.9	213.7	229.4	219.9
82.5°	113.1	110.0	106.8	100.5	116.3	132.0	154.0	175.9	188.5	201.1	194.8
85°	84.8	84.8	81.7	78.5	91.1	100.5	113.1	122.5	135.1	144.5	138.2
87.5°	12.6	12.6	18.9	22.0	22.0	22.0	31.4	40.8	40.8	37.7	31.4
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):

	165°	170°	175°	180°
0°	1021.1	1021.1	1021.1	1021.1
2.5°	945.7	945.7	945.7	948.9
5°	948.9	952.0	952.0	958.3
7.5°	870.3	867.2	864.0	864.0
10°	1046.3	1052.6	1055.7	1062.0
12.5°	977.1	939.4	901.7	901.7
15°	1043.1	1049.4	1052.6	1058.8
17.5°	882.9	879.7	876.6	870.3
20°	1021.1	1027.4	1030.6	1030.6
22.5°	832.6	832.6	829.5	829.5
25°	939.4	939.4	939.4	945.7
27.5°	716.4	738.4	760.4	788.6
30°	801.2	804.3	807.5	807.5
32.5°	791.8	832.6	873.5	879.7
35°	776.1	776.1	772.9	776.1
37.5°	681.8	672.4	659.8	666.1
40°	587.5	565.6	543.6	540.4
42.5°	505.9	487.0	465.0	465.0
45°	446.2	433.6	417.9	411.6
47.5°	408.5	395.9	383.3	380.2
50°	373.9	361.3	348.8	348.8
52.5°	361.3	351.9	339.3	336.2
55°	373.9	355.0	336.2	329.9
57.5°	380.2	358.2	336.2	326.8
60°	364.5	351.9	336.2	323.6
62.5°	336.2	329.9	323.6	317.3
65°	317.3	317.3	314.2	307.9
67.5°	307.9	311.1	311.1	304.8
70°	295.3	301.6	304.8	298.5
72.5°	279.6	282.8	282.8	273.3
75°	260.8	257.6	254.5	248.2
77.5°	238.8	235.6	229.4	223.1
80°	210.5	207.4	204.2	194.8
82.5°	185.4	191.7	194.8	160.2
85°	128.8	116.3	103.7	84.8
87.5°	25.1	18.9	9.4	9.4
90°	0.0	0.0	0.0	0.0

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