

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: P561029

Luminaire Tested: **SDL-PA1-80-722-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561029
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-PA1-80-722-U-T3
Description: Springdale
(1) 70 CRI, 2200K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6833.2 lumens
Efficiency: N/A
Efficacy: 83.3 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: B1 - U0 - G2

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

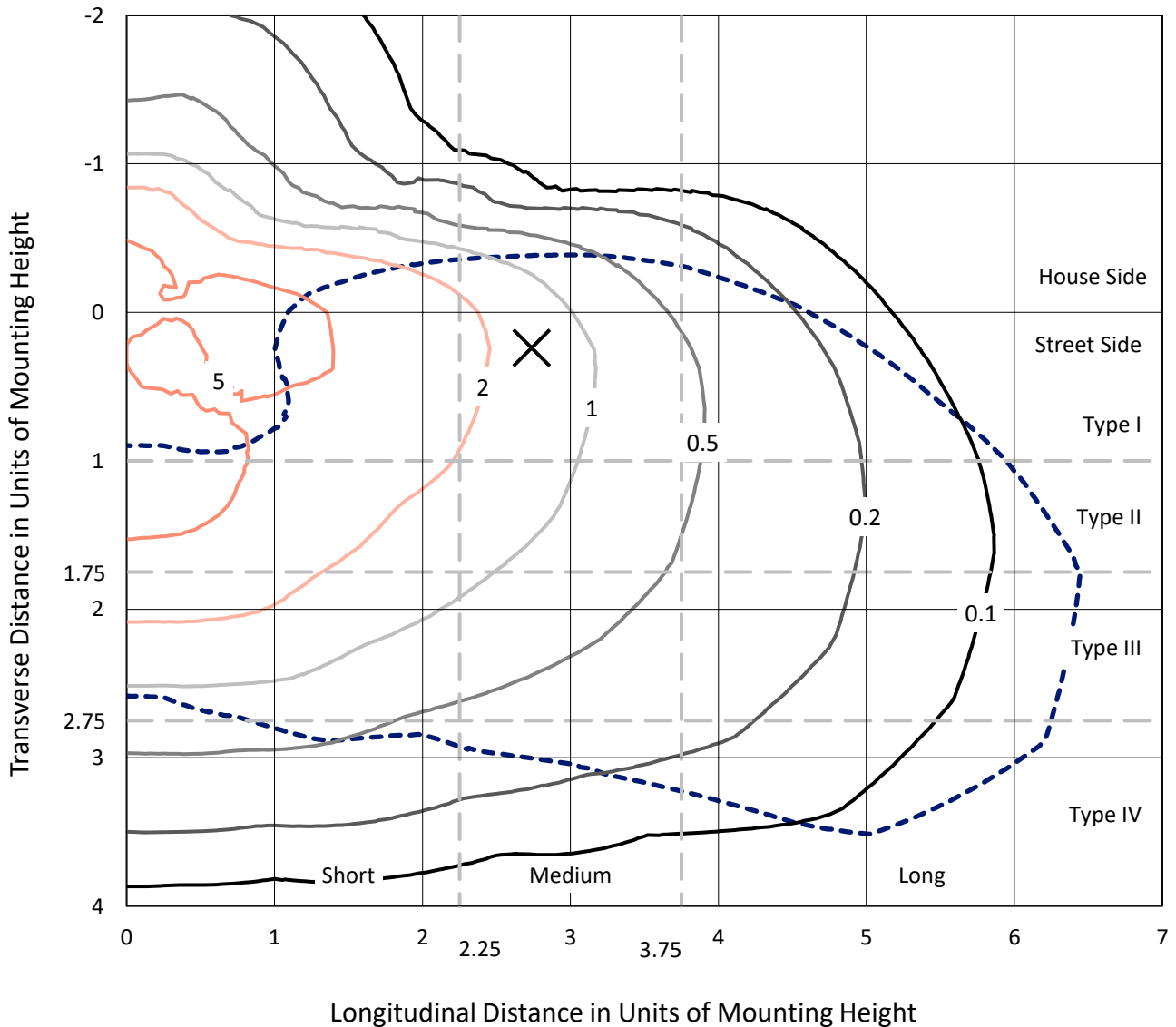


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Iso-Footcandle Lines of Horizontal Illumination

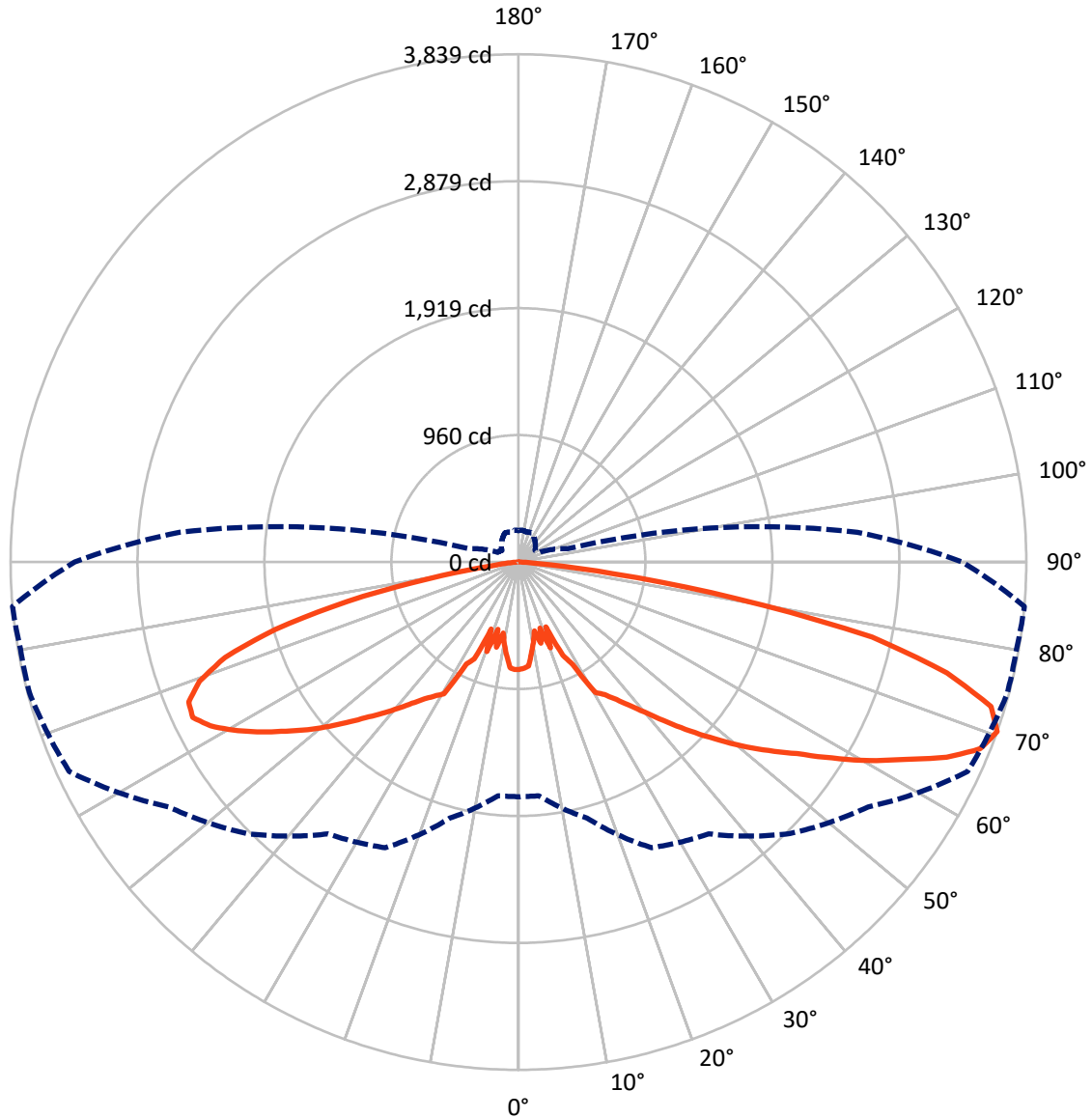
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 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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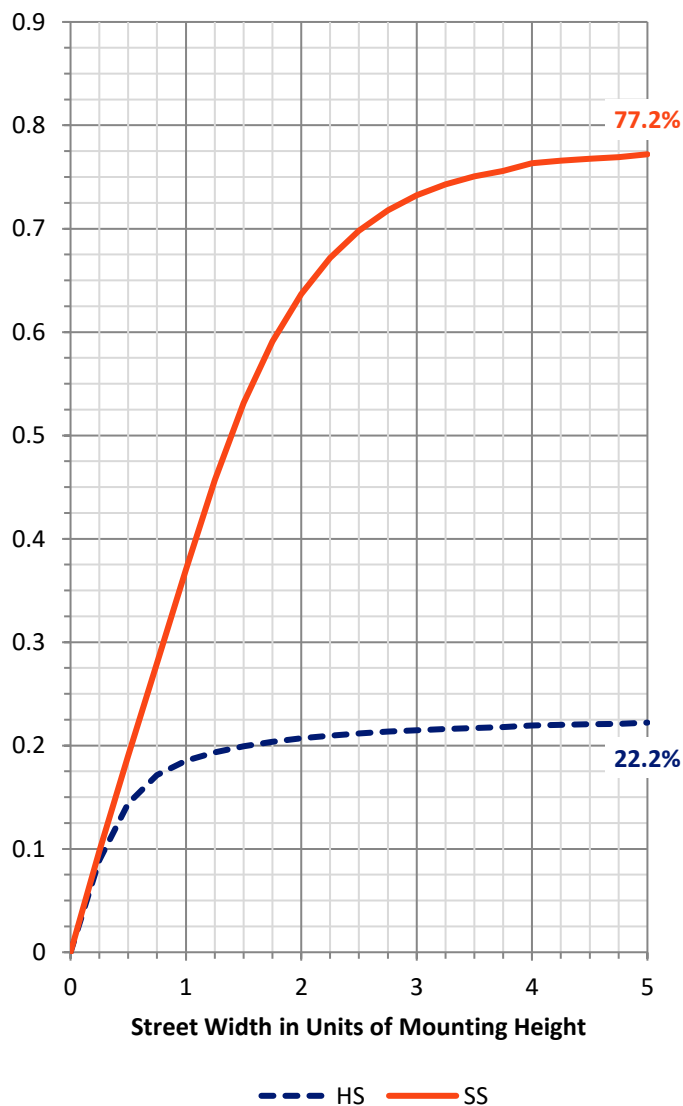
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1545.0	0.0	1545.0
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	5288.2	0.0	5288.2
	% Fixture	77.4	0.0	77.4
Total	Lumens	6833.2	0.0	6833.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	1.0
10°-20°	165.0	2.4
20°-30°	301.6	4.4
30°-40°	569.5	8.3
40°-50°	927.7	13.6
50°-60°	1431.1	20.9
60°-70°	1754.1	25.7
70°-80°	1373.7	20.1
80°-90°	244.6	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°	6833.2	100.0
0°-180°	6833.2	100.0

Coefficient of Utilization



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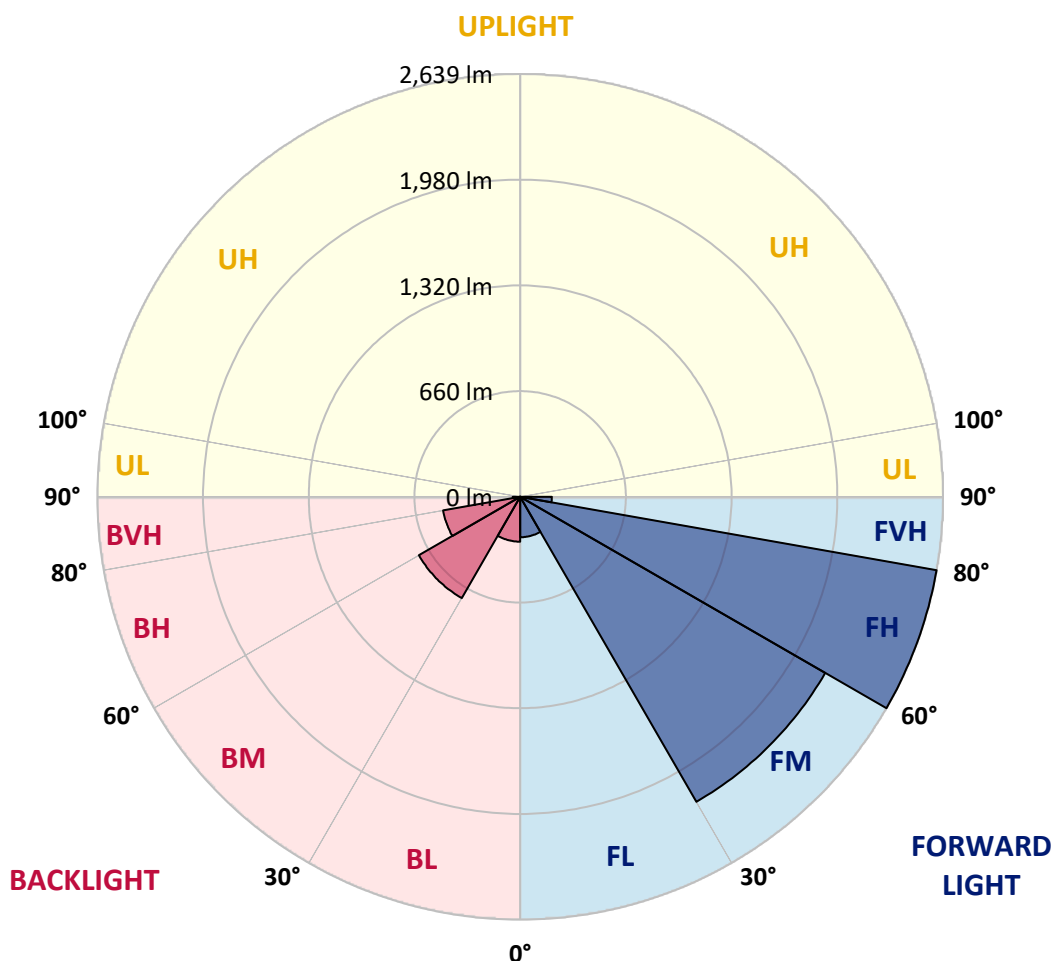
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.3	3.7			
FM (30°-60°)	2198.4	32.2			
FH (60°-80°)	2639.4	38.6			G2/5000
FVH (80°-90°)	198.1	2.9			G2/225
BL (0°-30°)	280.2	4.1	B1/500		
BM (30°-60°)	729.8	10.7	B1/1000		
BH (60°-80°)	488.5	7.1	B1/500		G1/500
BVH (80°-90°)	46.5	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	811.7	811.7	811.7	811.7	811.7	811.7	811.7	811.7	811.7	811.7	811.7
2.5°	669.3	729.3	729.3	729.3	741.8	751.7	756.7	759.2	769.2	776.7	781.7
5°	624.4	626.9	626.9	626.9	629.4	631.9	634.4	636.9	641.9	644.3	651.8
7.5°	524.5	534.5	554.4	571.9	584.4	596.9	606.9	614.4	619.4	624.4	626.9
10°	584.4	584.4	584.4	584.4	584.4	584.4	554.4	524.5	527.0	527.0	512.0
12.5°	489.5	504.5	527.0	546.9	564.4	579.4	559.4	539.5	502.0	464.5	464.5
15°	566.9	566.9	564.4	561.9	529.5	497.0	467.0	437.1	457.0	477.0	442.1
17.5°	487.0	489.5	519.5	546.9	542.0	534.5	507.0	477.0	429.6	379.6	429.6
20°	624.4	616.9	601.9	586.9	517.0	447.0	459.5	472.0	484.5	494.5	494.5
22.5°	574.4	579.4	589.4	599.4	591.9	581.9	509.5	437.1	479.5	522.0	484.5
25°	786.7	786.7	756.7	726.8	651.8	574.4	586.9	596.9	524.5	449.5	512.0
27.5°	726.8	721.8	709.3	694.3	709.3	721.8	656.8	589.4	609.4	629.4	576.9
30°	966.5	966.5	954.0	941.5	834.2	724.3	716.8	706.8	664.3	619.4	649.3
32.5°	1158.8	1156.3	1098.9	1041.4	981.5	919.1	854.1	786.7	781.7	776.7	771.7
35°	1388.6	1388.6	1356.1	1323.7	1191.3	1056.4	979.0	901.6	879.1	856.6	874.1
37.5°	1518.5	1535.9	1523.5	1508.5	1363.6	1216.3	1108.9	999.0	976.5	954.0	961.5
40°	1698.3	1693.3	1690.8	1685.8	1518.5	1351.1	1236.3	1118.9	1103.9	1088.9	1088.9
42.5°	1970.5	1943.0	1913.1	1880.6	1710.8	1540.9	1413.6	1283.7	1256.2	1226.3	1228.8
45°	2345.1	2315.2	2245.2	2172.8	2000.5	1828.2	1658.3	1488.5	1441.0	1391.1	1386.1
47.5°	2574.9	2542.4	2507.5	2470.0	2285.2	2100.4	1925.6	1748.2	1678.3	1608.4	1580.9
50°	2812.2	2782.2	2754.7	2727.2	2564.9	2402.6	2227.8	2052.9	1943.0	1833.1	1785.7
52.5°	3036.9	2982.0	2954.5	2927.0	2789.7	2649.8	2467.5	2285.2	2202.8	2120.4	2018.0
55°	3146.8	3079.4	3069.4	3056.9	2954.5	2849.6	2674.8	2500.0	2407.6	2312.7	2210.3
57.5°	2992.0	2997.0	3051.9	3106.9	3049.4	2992.0	2827.1	2662.3	2569.9	2477.5	2400.1
60°	2852.1	2889.6	2957.0	3024.4	3029.4	3031.9	2944.5	2857.1	2754.7	2652.3	2592.4
62.5°	2659.8	2687.3	2792.2	2894.6	2972.0	3046.9	2957.0	2867.1	2832.1	2794.7	2757.2
65°	2400.1	2407.6	2527.4	2644.8	2784.7	2922.1	2852.1	2782.2	2842.1	2899.6	2904.6
67.5°	2082.9	2105.4	2222.8	2340.1	2510.0	2677.3	2674.8	2672.3	2799.7	2924.5	3012.0
70°	1773.2	1773.2	1888.1	2003.0	2192.8	2382.6	2445.0	2507.5	2704.8	2902.1	3064.4
72.5°	1336.2	1398.6	1458.5	1518.5	1730.8	1940.5	2077.9	2215.3	2510.0	2802.2	3049.4
75°	736.8	741.8	794.2	846.6	1058.9	1271.2	1478.5	1685.8	2080.4	2475.0	2864.6
77.5°	242.3	234.8	264.7	292.2	417.1	539.5	714.3	889.1	1323.7	1758.2	2385.1
80°	134.9	137.4	147.4	157.3	197.3	234.8	319.7	404.6	589.4	771.7	1516.0
82.5°	89.9	92.4	102.4	112.4	129.9	147.4	194.8	239.8	257.2	272.2	684.3
85°	57.4	59.9	64.9	69.9	74.9	77.4	109.9	142.4	129.9	117.4	204.8
87.5°	12.5	12.5	15.0	15.0	17.5	20.0	25.0	30.0	27.5	22.5	30.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	811.7	811.7	811.7	811.7	811.7	811.7	811.7	811.7	811.7	811.7	811.7
2.5°	784.2	789.2	791.7	794.2	796.7	801.7	804.2	806.7	811.7	814.2	814.2
5°	659.3	704.3	746.7	761.7	776.7	784.2	789.2	796.7	801.7	806.7	811.7
7.5°	629.4	631.9	634.4	651.8	669.3	684.3	699.3	704.3	716.8	709.3	699.3
10°	494.5	497.0	497.0	514.5	532.0	584.4	619.4	626.9	634.4	604.4	571.9
12.5°	462.0	474.5	487.0	479.5	472.0	509.5	534.5	544.5	549.4	529.5	509.5
15°	404.6	417.1	427.1	484.5	542.0	591.9	636.9	649.3	664.3	631.9	596.9
17.5°	479.5	474.5	467.0	477.0	487.0	499.5	524.5	532.0	532.0	542.0	551.9
20°	494.5	439.6	384.6	487.0	589.4	634.4	691.8	711.8	716.8	689.3	661.8
22.5°	444.6	507.0	569.4	556.9	544.5	532.0	532.0	539.5	546.9	551.9	556.9
25°	571.9	519.5	467.0	586.9	706.8	754.2	781.7	794.2	804.2	769.2	731.8
27.5°	524.5	594.4	661.8	714.3	766.7	819.2	876.6	931.6	864.1	831.7	799.2
30°	676.8	734.3	791.7	916.6	1041.4	1108.9	1143.8	1143.8	1143.8	1096.4	1046.4
32.5°	766.7	866.6	966.5	1034.0	1098.9	1166.3	1193.8	1193.8	1193.8	1136.4	1076.4
35°	889.1	969.0	1048.9	1126.4	1203.8	1256.2	1276.2	1268.7	1253.7	1176.3	1098.9
37.5°	969.0	1076.4	1183.8	1263.7	1341.1	1373.6	1381.1	1358.6	1336.2	1233.8	1128.9
40°	1088.9	1206.3	1321.2	1406.1	1491.0	1518.5	1503.5	1473.5	1433.6	1296.2	1158.8
42.5°	1228.8	1346.1	1463.5	1563.4	1660.8	1678.3	1655.8	1608.4	1538.4	1351.1	1161.3
45°	1381.1	1498.5	1613.4	1725.8	1838.1	1850.6	1820.7	1750.7	1648.3	1403.6	1158.8
47.5°	1550.9	1643.3	1735.7	1895.6	2055.4	2040.4	1995.5	1915.6	1780.7	1466.0	1148.8
50°	1738.2	1810.7	1880.6	2080.4	2280.2	2235.2	2185.3	2097.9	1920.6	1538.4	1153.8
52.5°	1913.1	1983.0	2052.9	2260.2	2465.0	2422.6	2367.6	2290.2	2062.9	1615.9	1166.3
55°	2107.9	2182.8	2257.7	2477.5	2697.3	2624.9	2554.9	2505.0	2202.8	1680.8	1158.8
57.5°	2320.2	2415.1	2510.0	2712.3	2912.1	2834.6	2794.7	2729.7	2357.6	1758.2	1158.8
60°	2532.4	2647.3	2762.2	2939.5	3116.9	3054.4	3046.9	2957.0	2502.5	1815.7	1126.4
62.5°	2719.8	2892.1	3064.4	3204.3	3341.6	3281.7	3284.2	3179.3	2637.3	1828.2	1016.5
65°	2909.6	3131.8	3351.6	3454.0	3556.4	3514.0	3556.4	3369.1	2727.2	1778.2	829.2
67.5°	3096.9	3341.6	3586.4	3663.8	3741.2	3716.2	3766.2	3431.5	2707.3	1648.3	586.9
70°	3226.7	3486.5	3746.2	3786.2	3826.1	3821.1	3838.6	3354.1	2572.4	1481.0	387.1
72.5°	3296.7	3541.4	3783.7	3801.2	3816.1	3808.7	3736.2	3111.9	2330.1	1298.7	267.2
75°	3251.7	3489.0	3726.2	3691.3	3656.3	3586.4	3344.1	2679.8	1910.6	1053.9	197.3
77.5°	3012.0	3269.2	3526.4	3436.5	3344.1	3139.3	2732.2	2008.0	1328.7	741.8	152.3
80°	2260.2	2577.4	2894.6	2787.2	2677.3	2245.2	1663.3	1123.9	686.8	402.1	117.4
82.5°	1093.9	1271.2	1448.5	1421.1	1393.6	1031.5	719.3	404.6	197.3	144.9	92.4
85°	289.7	429.6	569.4	544.5	519.5	274.7	119.9	104.9	77.4	72.4	64.9
87.5°	35.0	40.0	42.5	30.0	15.0	12.5	12.5	7.5	7.5	10.0	10.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	811.7	811.7	811.7	811.7	811.7	811.7	811.7	811.7	811.7	811.7	811.7
2.5°	819.2	821.7	821.7	821.7	821.7	821.7	801.7	781.7	776.7	771.7	761.7
5°	789.2	764.2	746.7	729.3	729.3	726.8	734.3	741.8	746.7	749.2	751.7
7.5°	701.8	704.3	719.3	731.8	744.2	754.2	761.7	766.7	761.7	754.2	724.3
10°	574.4	576.9	589.4	599.4	616.9	631.9	674.3	714.3	761.7	809.2	821.7
12.5°	546.9	581.9	561.9	542.0	596.9	649.3	704.3	756.7	794.2	829.2	804.2
15°	556.9	517.0	524.5	532.0	599.4	666.8	626.9	584.4	684.3	784.2	806.7
17.5°	554.4	554.4	591.9	629.4	566.9	502.0	594.4	684.3	724.3	761.7	731.8
20°	591.9	519.5	546.9	571.9	621.9	669.3	629.4	589.4	604.4	619.4	716.8
22.5°	616.9	674.3	611.9	546.9	591.9	636.9	629.4	621.9	666.8	711.8	686.8
25°	644.3	554.4	599.4	641.9	591.9	539.5	579.4	616.9	604.4	591.9	669.3
27.5°	739.3	676.8	619.4	561.9	591.9	619.4	589.4	556.9	569.4	581.9	576.9
30°	894.1	739.3	666.8	594.4	556.9	517.0	519.5	522.0	537.0	551.9	594.4
32.5°	934.1	791.7	686.8	581.9	556.9	532.0	509.5	484.5	507.0	529.5	579.4
35°	944.0	786.7	674.3	561.9	522.0	482.0	467.0	452.0	489.5	527.0	571.9
37.5°	939.1	746.7	626.9	507.0	477.0	447.0	439.6	429.6	454.5	477.0	509.5
40°	926.6	694.3	574.4	454.5	429.6	404.6	399.6	394.6	412.1	429.6	449.5
42.5°	904.1	644.3	524.5	404.6	387.1	369.6	364.6	357.1	372.1	387.1	394.6
45°	876.6	594.4	482.0	367.1	354.6	339.7	332.2	322.2	337.2	349.6	352.1
47.5°	849.1	546.9	444.6	339.7	329.7	317.2	309.7	299.7	312.2	322.2	324.7
50°	826.7	497.0	404.6	312.2	302.2	292.2	284.7	277.2	289.7	299.7	299.7
52.5°	814.2	459.5	369.6	279.7	274.7	269.7	267.2	262.2	272.2	282.2	284.7
55°	784.2	407.1	329.7	249.7	252.2	252.2	249.7	244.8	264.7	282.2	289.7
57.5°	751.7	344.7	287.2	227.3	232.3	237.3	239.8	242.3	264.7	284.7	294.7
60°	709.3	292.2	249.7	207.3	214.8	219.8	232.3	242.3	262.2	282.2	287.2
62.5°	634.4	249.7	219.8	189.8	199.8	209.8	224.8	239.8	254.7	269.7	269.7
65°	524.5	217.3	197.3	174.8	189.8	202.3	219.8	237.3	249.7	259.7	257.2
67.5°	392.1	194.8	179.8	162.3	179.8	194.8	209.8	224.8	239.8	254.7	249.7
70°	282.2	174.8	164.8	152.3	167.3	182.3	197.3	212.3	227.3	242.3	239.8
72.5°	214.8	159.8	149.8	139.9	154.8	167.3	184.8	202.3	217.3	232.3	227.3
75°	172.3	144.9	137.4	127.4	142.4	157.3	174.8	189.8	204.8	219.8	214.8
77.5°	142.4	129.9	122.4	114.9	127.4	139.9	157.3	174.8	189.8	202.3	197.3
80°	114.9	109.9	104.9	97.4	112.4	124.9	142.4	157.3	169.8	182.3	174.8
82.5°	89.9	87.4	84.9	79.9	92.4	104.9	122.4	139.9	149.8	159.8	154.8
85°	67.4	67.4	64.9	62.4	72.4	79.9	89.9	97.4	107.4	114.9	109.9
87.5°	10.0	10.0	15.0	17.5	17.5	17.5	25.0	32.5	32.5	30.0	25.0
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°	811.7	811.7	811.7	811.7
2.5°	751.7	751.7	751.7	754.2
5°	754.2	756.7	756.7	761.7
7.5°	691.8	689.3	686.8	686.8
10°	831.7	836.7	839.2	844.1
12.5°	776.7	746.7	716.8	716.8
15°	829.2	834.2	836.7	841.7
17.5°	701.8	699.3	696.8	691.8
20°	811.7	816.7	819.2	819.2
22.5°	661.8	661.8	659.3	659.3
25°	746.7	746.7	746.7	751.7
27.5°	569.4	586.9	604.4	626.9
30°	636.9	639.4	641.9	641.9
32.5°	629.4	661.8	694.3	699.3
35°	616.9	616.9	614.4	616.9
37.5°	542.0	534.5	524.5	529.5
40°	467.0	449.5	432.1	429.6
42.5°	402.1	387.1	369.6	369.6
45°	354.6	344.7	332.2	327.2
47.5°	324.7	314.7	304.7	302.2
50°	297.2	287.2	277.2	277.2
52.5°	287.2	279.7	269.7	267.2
55°	297.2	282.2	267.2	262.2
57.5°	302.2	284.7	267.2	259.7
60°	289.7	279.7	267.2	257.2
62.5°	267.2	262.2	257.2	252.2
65°	252.2	252.2	249.7	244.8
67.5°	244.8	247.3	247.3	242.3
70°	234.8	239.8	242.3	237.3
72.5°	222.3	224.8	224.8	217.3
75°	207.3	204.8	202.3	197.3
77.5°	189.8	187.3	182.3	177.3
80°	167.3	164.8	162.3	154.8
82.5°	147.4	152.3	154.8	127.4
85°	102.4	92.4	82.4	67.4
87.5°	20.0	15.0	7.5	7.5
90°	0.0	0.0	0.0	0.0

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