

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: P561011

Luminaire Tested: **SDL-PA1-70-830-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561011
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-PA1-70-830-U-T4W
Description: Springdale
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6718 lumens
Efficiency: N/A
Efficacy: 93.0 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 - G3

Input Watts (W): 72.2
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

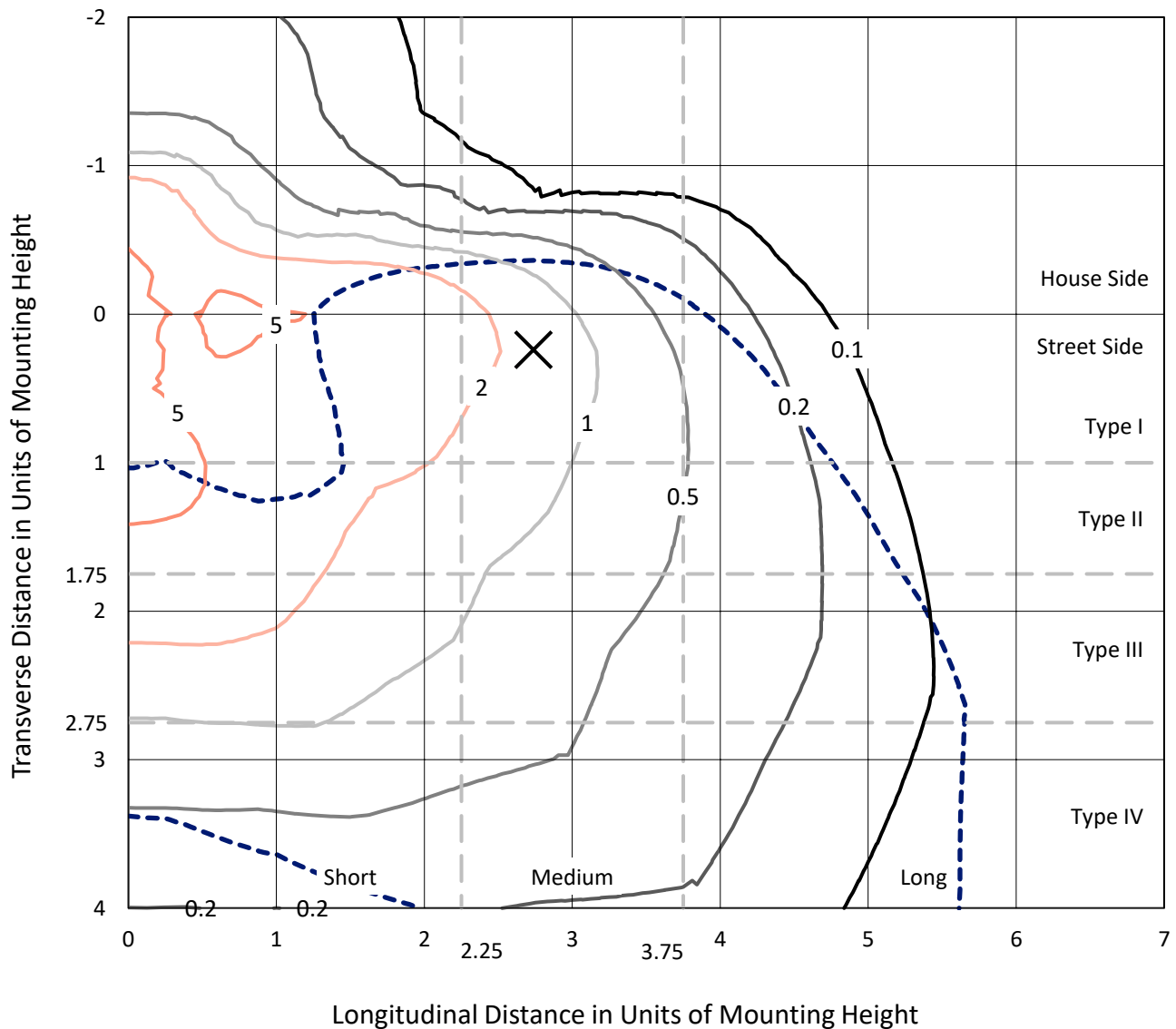


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

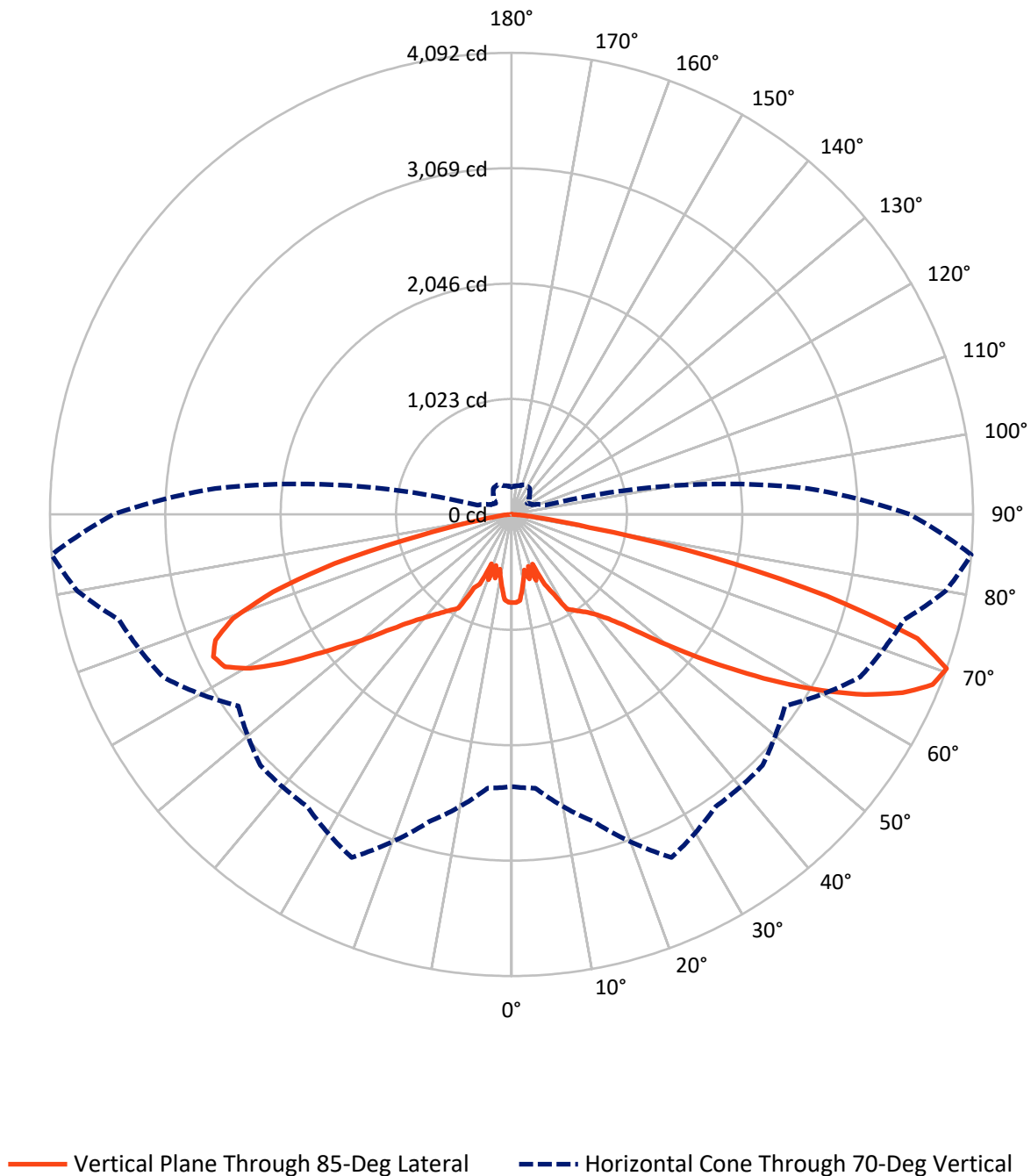


Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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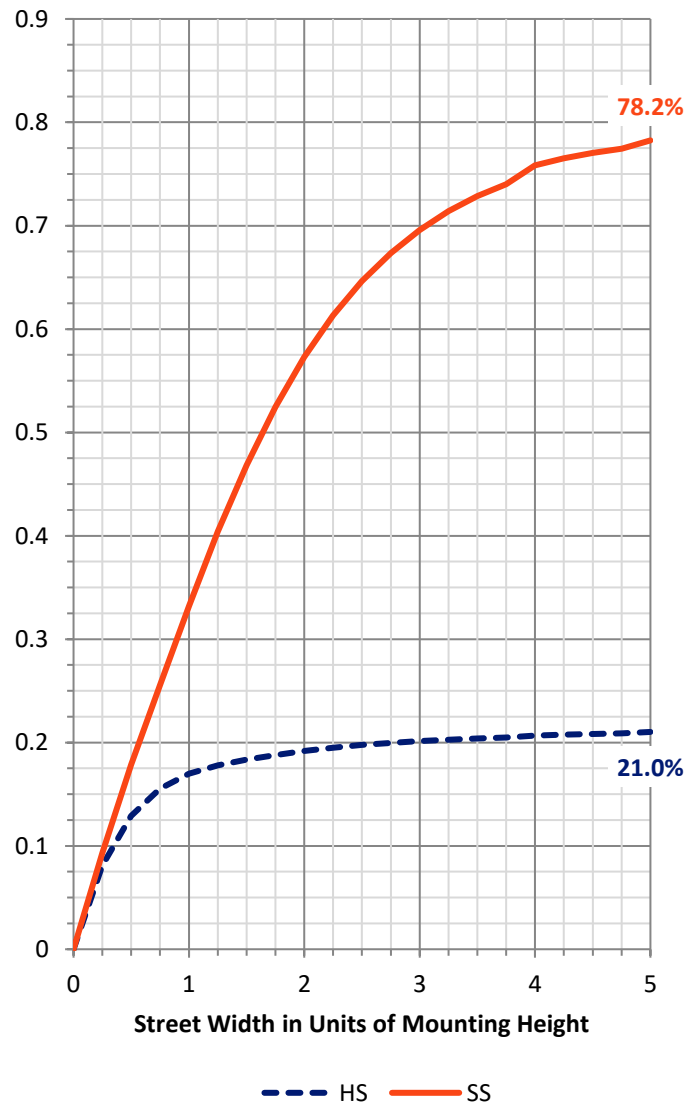
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1444.4	0.0	1444.4
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	5273.5	0.0	5273.5
	% Fixture	78.5	0.0	78.5
Total	Lumens	6718.0	0.0	6718.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.9	1.0
10°-20°	163.5	2.4
20°-30°	285.8	4.3
30°-40°	503.4	7.5
40°-50°	759.5	11.3
50°-60°	1208.1	18.0
60°-70°	1771.5	26.4
70°-80°	1661.2	24.7
80°-90°	300.0	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°	6718.0	100.0
0°-180°	6718.0	100.0

Coefficient of Utilization



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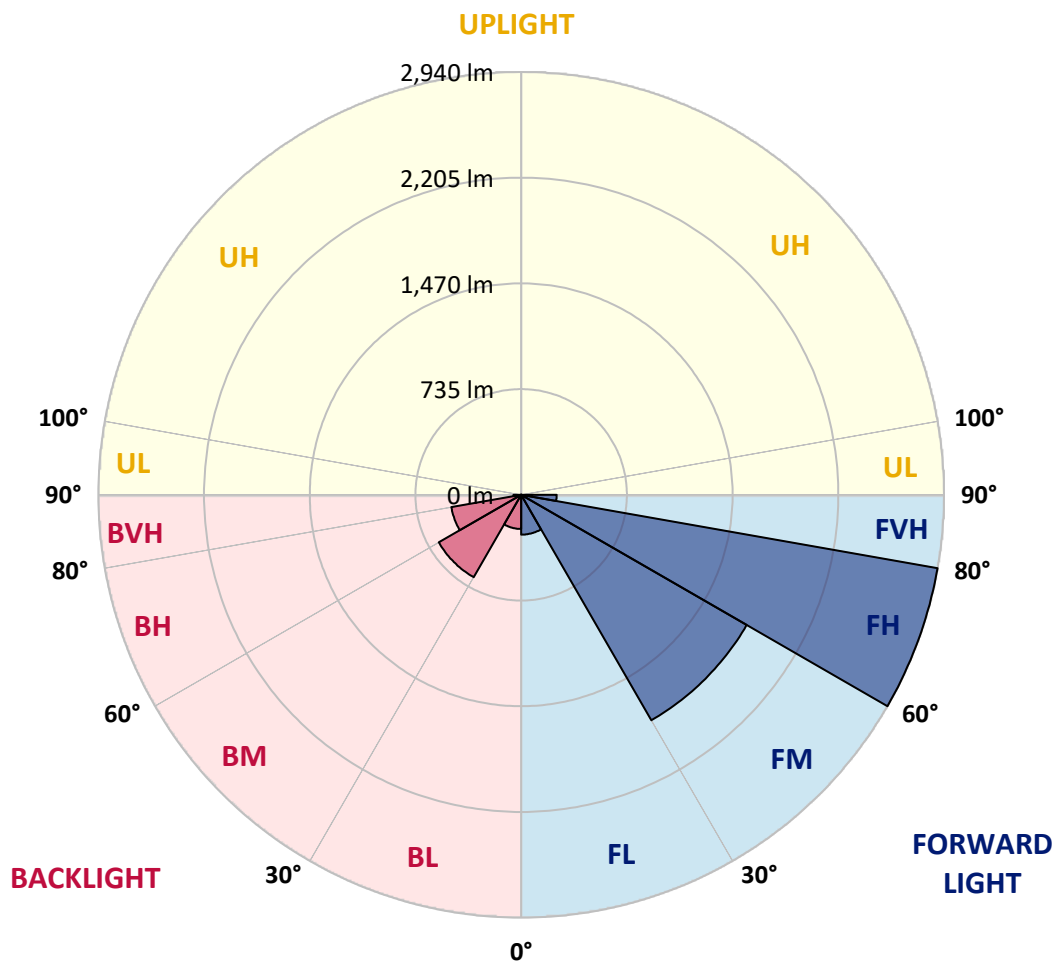
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	277.0	4.1			
FM	(30°-60°)	1809.8	26.9			
FH	(60°-80°)	2939.7	43.8			G2/5000
FVH	(80°-90°)	247.0	3.7			G3/500
BL	(0°-30°)	237.2	3.5	B1/500		
BM	(30°-60°)	661.2	9.8	B1/1000		
BH	(60°-80°)	493.1	7.3	B1/500		G1/500
BVH	(80°-90°)	53.0	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	781.2	781.2	781.2	781.2	781.2	781.2	781.2	781.2	781.2	781.2	781.2
2.5°	709.3	739.0	753.9	768.8	773.7	778.7	778.7	776.2	776.2	776.2	781.2
5°	721.7	719.2	719.2	719.2	716.7	714.2	711.7	706.8	704.3	699.3	696.9
7.5°	662.1	711.7	714.2	716.7	716.7	714.2	719.2	724.1	719.2	711.7	701.8
10°	786.1	783.7	778.7	773.7	766.3	758.9	701.8	642.3	647.3	652.2	605.1
12.5°	682.0	729.1	748.9	768.8	771.3	771.3	731.6	689.4	634.9	580.3	558.0
15°	833.3	828.3	818.4	808.5	741.5	672.1	632.4	592.7	592.7	592.7	525.8
17.5°	701.8	699.3	744.0	788.6	763.8	739.0	682.0	624.9	540.6	453.8	508.4
20°	860.5	860.5	848.1	835.7	721.7	605.1	612.5	617.5	620.0	620.0	595.2
22.5°	721.7	716.7	721.7	724.1	724.1	724.1	620.0	515.8	572.9	627.4	570.4
25°	860.5	863.0	860.5	858.1	753.9	647.3	664.6	682.0	602.6	520.8	575.4
27.5°	751.4	748.9	736.5	724.1	726.6	729.1	674.5	617.5	649.7	682.0	624.9
30°	920.1	922.5	915.1	905.2	801.0	696.9	691.9	684.5	662.1	639.8	659.7
32.5°	1111.0	1111.0	1034.1	957.3	892.8	825.8	771.3	716.7	739.0	761.3	736.5
35°	1212.7	1207.7	1182.9	1155.7	1036.6	915.1	840.7	763.8	771.3	776.2	776.2
37.5°	1393.7	1391.3	1356.5	1321.8	1160.6	996.9	900.2	801.0	815.9	828.3	810.9
40°	1619.4	1619.4	1592.1	1562.4	1356.5	1148.2	1011.8	875.4	872.9	868.0	848.1
42.5°	1837.6	1845.1	1827.7	1810.4	1569.8	1329.3	1150.7	972.1	949.8	927.5	907.7
45°	1981.5	1991.4	2006.3	2021.2	1783.1	1545.0	1336.7	1125.9	1083.7	1039.1	1004.4
47.5°	2127.8	2112.9	2132.8	2152.6	1949.2	1745.9	1517.7	1289.6	1220.1	1150.7	1113.5
50°	2264.2	2259.2	2266.7	2274.1	2108.0	1941.8	1706.2	1470.6	1386.3	1299.5	1257.3
52.5°	2442.8	2425.4	2415.5	2405.6	2264.2	2122.8	1899.6	1674.0	1574.8	1473.1	1423.5
55°	2613.9	2606.4	2591.6	2574.2	2452.7	2331.2	2095.6	1860.0	1755.8	1651.7	1594.6
57.5°	2790.0	2785.0	2782.5	2780.0	2673.4	2566.8	2326.2	2083.2	1964.1	1842.6	1795.5
60°	2956.1	2958.6	2978.4	2995.8	2914.0	2832.1	2589.1	2346.0	2194.8	2041.0	1993.9
62.5°	3055.3	3062.7	3112.3	3159.5	3114.8	3070.2	2819.7	2566.8	2408.0	2246.8	2214.6
65°	2928.8	2966.0	3109.9	3253.7	3253.7	3253.7	3025.5	2794.9	2656.0	2517.2	2489.9
67.5°	2646.1	2683.3	2889.2	3092.5	3199.1	3305.8	3157.0	3008.2	2914.0	2817.2	2782.5
70°	2413.0	2435.3	2628.8	2819.7	3087.5	3355.4	3258.7	3159.5	3154.5	3147.1	3052.8
72.5°	2217.1	2266.7	2425.4	2581.6	2951.2	3320.7	3318.2	3315.7	3417.4	3519.1	3338.0
75°	1773.2	1768.2	1917.0	2065.8	2482.4	2896.6	3129.7	3360.3	3653.0	3943.1	3665.4
77.5°	791.1	845.7	987.0	1128.4	1502.9	1874.8	2323.7	2772.6	3417.4	4059.7	3777.0
80°	225.7	238.1	277.8	315.0	491.0	664.6	1135.8	1604.5	2415.5	3223.9	3033.0
82.5°	119.0	124.0	148.8	171.1	220.7	267.8	446.4	622.5	1319.3	2013.7	1840.1
85°	57.0	52.1	67.0	79.4	106.6	133.9	205.8	277.8	510.9	744.0	642.3
87.5°	12.4	12.4	14.9	14.9	22.3	29.8	44.6	59.5	57.0	52.1	62.0
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°	781.2	781.2	781.2	781.2	781.2	781.2	781.2	781.2	781.2	781.2	781.2
2.5°	783.7	786.1	788.6	786.1	783.7	781.2	781.2	778.7	778.7	776.2	771.3
5°	694.4	729.1	763.8	766.3	768.8	768.8	766.3	763.8	758.9	756.4	751.4
7.5°	691.9	679.5	667.1	669.6	672.1	674.5	674.5	667.1	664.6	644.8	624.9
10°	555.5	543.1	530.7	538.2	545.6	572.9	587.8	582.8	577.8	543.1	505.9
12.5°	535.7	530.7	525.8	488.6	451.4	483.6	505.9	503.4	496.0	463.8	431.5
15°	458.8	461.3	461.3	503.4	545.6	572.9	592.7	587.8	582.8	543.1	503.4
17.5°	560.5	533.2	503.4	496.0	488.6	501.0	483.6	456.3	473.7	468.7	463.8
20°	567.9	501.0	431.5	501.0	570.4	587.8	624.9	622.5	615.0	580.3	545.6
22.5°	513.4	553.0	590.2	553.0	515.8	491.0	478.6	473.7	471.2	481.1	488.6
25°	629.9	555.5	478.6	570.4	659.7	679.5	689.4	682.0	679.5	634.9	590.2
27.5°	565.4	605.1	644.8	674.5	704.3	729.1	803.5	731.6	729.1	686.9	642.3
30°	677.0	719.2	761.3	838.2	915.1	957.3	972.1	967.2	954.8	887.8	820.9
32.5°	711.7	796.1	877.9	912.6	944.9	989.5	1011.8	1009.3	996.9	917.6	835.7
35°	776.2	838.2	900.2	947.3	992.0	1034.1	1054.0	1061.4	1046.5	947.3	845.7
37.5°	793.6	872.9	952.3	1001.9	1051.5	1083.7	1101.1	1123.4	1106.1	987.0	865.5
40°	828.3	922.5	1014.3	1063.9	1111.0	1140.8	1170.5	1197.8	1175.5	1031.7	885.3
42.5°	885.3	982.1	1076.3	1133.3	1187.9	1230.1	1264.8	1302.0	1259.8	1073.8	885.3
45°	969.7	1058.9	1148.2	1225.1	1299.5	1351.6	1401.2	1453.3	1368.9	1128.4	885.3
47.5°	1076.3	1163.1	1247.4	1368.9	1490.5	1537.6	1597.1	1646.7	1510.3	1197.8	885.3
50°	1212.7	1309.4	1406.1	1567.3	1726.1	1770.7	1845.1	1882.3	1698.8	1304.5	907.7
52.5°	1371.4	1478.1	1582.2	1770.7	1959.2	2033.6	2132.8	2157.6	1889.7	1411.1	930.0
55°	1537.6	1681.4	1822.8	2031.1	2236.9	2308.8	2450.2	2470.0	2135.2	1542.5	947.3
57.5°	1748.4	1917.0	2083.2	2286.5	2487.4	2589.1	2809.8	2817.2	2420.4	1703.7	984.5
60°	1946.8	2157.6	2365.9	2559.3	2752.8	2911.5	3166.9	3169.4	2688.3	1825.2	959.7
62.5°	2182.4	2432.8	2680.8	2847.0	3013.1	3209.1	3516.6	3471.9	2876.8	1840.1	803.5
65°	2460.1	2718.0	2976.0	3117.3	3256.2	3479.4	3811.7	3640.6	2928.8	1755.8	580.3
67.5°	2745.3	2985.9	3226.4	3338.0	3449.6	3732.3	4027.5	3660.4	2852.0	1629.3	404.2
70°	2958.6	3184.3	3409.9	3506.7	3603.4	3908.4	4091.9	3531.5	2636.2	1475.6	315.0
72.5°	3154.5	3367.8	3578.6	3628.2	3675.3	3831.5	3764.6	3112.3	2222.0	1242.5	260.4
75°	3387.6	3524.0	3657.9	3568.7	3479.4	3268.6	2889.2	2269.2	1626.9	925.0	223.2
77.5°	3494.3	3462.0	3427.3	3122.3	2817.2	2251.8	1795.5	1311.9	825.8	508.4	191.0
80°	2842.0	2713.1	2581.6	2070.8	1559.9	1066.4	699.3	443.9	302.6	228.2	153.8
82.5°	1664.1	1364.0	1063.9	781.2	498.5	349.7	228.2	181.0	141.4	133.9	124.0
85°	538.2	476.2	414.2	327.4	240.6	148.8	86.8	79.4	74.4	81.8	86.8
87.5°	71.9	71.9	69.4	52.1	32.2	17.4	9.9	7.4	7.4	9.9	9.9
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°	781.2	781.2	781.2	781.2	781.2	781.2	781.2	781.2	781.2	781.2	781.2
2.5°	771.3	768.8	766.3	763.8	761.3	756.4	736.5	716.7	709.3	699.3	691.9
5°	726.6	701.8	684.5	667.1	659.7	649.7	652.2	654.7	657.2	657.2	657.2
7.5°	629.9	634.9	637.3	637.3	644.8	649.7	654.7	657.2	647.3	637.3	624.9
10°	501.0	493.5	503.4	510.9	523.3	533.2	565.4	597.7	627.4	657.2	669.6
12.5°	456.3	481.1	461.3	441.4	481.1	518.3	563.0	607.6	634.9	659.7	637.3
15°	463.8	421.6	426.6	429.0	478.6	525.8	498.5	471.2	548.1	622.5	644.8
17.5°	456.3	448.9	476.2	501.0	453.8	406.7	473.7	538.2	572.9	607.6	597.7
20°	493.5	439.0	439.0	439.0	481.1	523.3	491.0	458.8	496.0	533.2	595.2
22.5°	510.9	530.7	491.0	448.9	476.2	503.4	503.4	501.0	543.1	582.8	572.9
25°	515.8	441.4	476.2	508.4	491.0	471.2	493.5	513.4	525.8	538.2	592.7
27.5°	590.2	538.2	498.5	456.3	488.6	520.8	513.4	505.9	515.8	525.8	538.2
30°	699.3	577.8	533.2	486.1	468.7	448.9	471.2	491.0	528.2	565.4	615.0
32.5°	731.6	624.9	553.0	478.6	476.2	471.2	478.6	483.6	525.8	565.4	634.9
35°	726.6	605.1	535.7	463.8	448.9	434.0	446.4	456.3	518.3	580.3	647.3
37.5°	721.7	575.4	503.4	431.5	421.6	409.2	421.6	434.0	481.1	528.2	590.2
40°	714.2	540.6	471.2	399.3	386.9	374.5	386.9	396.8	434.0	471.2	520.8
42.5°	696.9	505.9	436.5	364.6	354.6	342.2	352.2	362.1	394.3	426.6	456.3
45°	677.0	466.2	399.3	332.3	322.4	312.5	319.9	324.9	354.6	381.9	396.8
47.5°	654.7	424.1	362.1	300.1	290.2	280.2	287.7	292.6	315.0	337.3	342.2
50°	649.7	389.4	332.3	272.8	265.4	255.4	260.4	265.4	282.7	297.6	297.6
52.5°	639.8	347.2	300.1	250.5	245.5	238.1	240.6	243.0	255.4	267.8	265.4
55°	632.4	317.4	275.3	233.1	228.2	220.7	223.2	225.7	238.1	248.0	245.5
57.5°	639.8	292.6	255.4	215.8	210.8	205.8	210.8	215.8	228.2	240.6	240.6
60°	615.0	267.8	233.1	198.4	195.9	191.0	203.4	213.3	233.1	250.5	255.4
62.5°	525.8	245.5	215.8	186.0	188.5	188.5	210.8	230.6	257.9	282.7	287.7
65°	404.2	228.2	203.4	176.1	188.5	200.9	230.6	260.4	285.2	310.0	302.6
67.5°	310.0	215.8	195.9	173.6	200.9	225.7	253.0	280.2	292.6	302.6	290.2
70°	260.4	203.4	188.5	171.1	198.4	225.7	253.0	280.2	285.2	290.2	277.8
72.5°	228.2	193.4	178.6	163.7	186.0	208.3	240.6	270.3	275.3	277.8	265.4
75°	203.4	181.0	163.7	146.3	168.6	188.5	220.7	253.0	257.9	260.4	250.5
77.5°	178.6	166.2	146.3	126.5	148.8	171.1	200.9	230.6	238.1	245.5	233.1
80°	148.8	141.4	126.5	111.6	136.4	158.7	186.0	213.3	220.7	228.2	215.8
82.5°	119.0	114.1	104.2	94.2	119.0	143.8	171.1	195.9	203.4	208.3	193.4
85°	86.8	86.8	81.8	76.9	101.7	124.0	141.4	158.7	156.2	153.8	143.8
87.5°	12.4	12.4	17.4	22.3	29.8	34.7	44.6	52.1	54.6	54.6	42.2
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°	781.2	781.2	781.2	781.2
2.5°	684.5	684.5	682.0	686.9
5°	657.2	659.7	659.7	662.1
7.5°	612.5	600.2	585.3	587.8
10°	682.0	684.5	686.9	686.9
12.5°	612.5	602.6	590.2	592.7
15°	664.6	672.1	679.5	682.0
17.5°	585.3	582.8	580.3	577.8
20°	654.7	667.1	679.5	679.5
22.5°	563.0	563.0	563.0	565.4
25°	647.3	662.1	674.5	674.5
27.5°	548.1	582.8	617.5	644.8
30°	662.1	669.6	677.0	679.5
32.5°	701.8	739.0	773.7	781.2
35°	711.7	729.1	744.0	751.4
37.5°	652.2	667.1	682.0	691.9
40°	567.9	580.3	592.7	600.2
42.5°	483.6	486.1	488.6	501.0
45°	411.7	399.3	386.9	384.4
47.5°	344.7	327.4	310.0	307.5
50°	295.1	280.2	265.4	265.4
52.5°	260.4	250.5	240.6	240.6
55°	243.0	238.1	230.6	230.6
57.5°	240.6	238.1	235.6	235.6
60°	257.9	260.4	260.4	260.4
62.5°	290.2	292.6	292.6	292.6
65°	292.6	287.7	282.7	282.7
67.5°	277.8	270.3	262.9	257.9
70°	262.9	257.9	250.5	243.0
72.5°	250.5	245.5	238.1	230.6
75°	238.1	230.6	220.7	215.8
77.5°	220.7	215.8	208.3	203.4
80°	200.9	195.9	188.5	178.6
82.5°	178.6	181.0	181.0	156.2
85°	131.4	124.0	114.1	94.2
87.5°	27.3	24.8	19.8	17.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)