Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P560567

Luminaire Tested: **SDL-PA1-50-740-U-T3**

Issue Date: 7/26/2021

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P560567
	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-PA1-50-740-U-T3
Description:	Springdale
	(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6408.9 lumens
Efficiency:	N/A
Efficacy:	122.3 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):	52.4
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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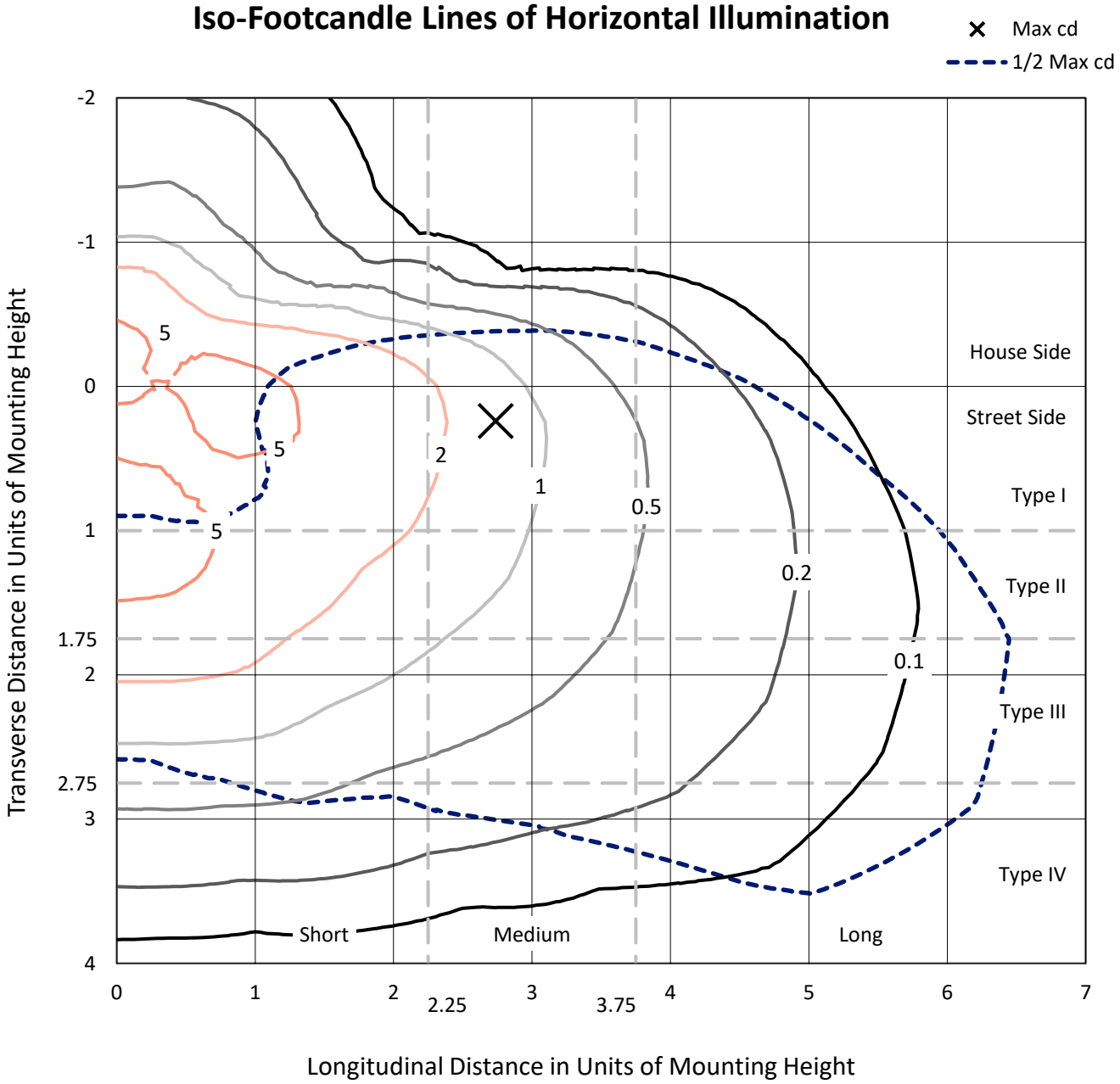
Iso-Footcandle Lines of Horizontal Illumination



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

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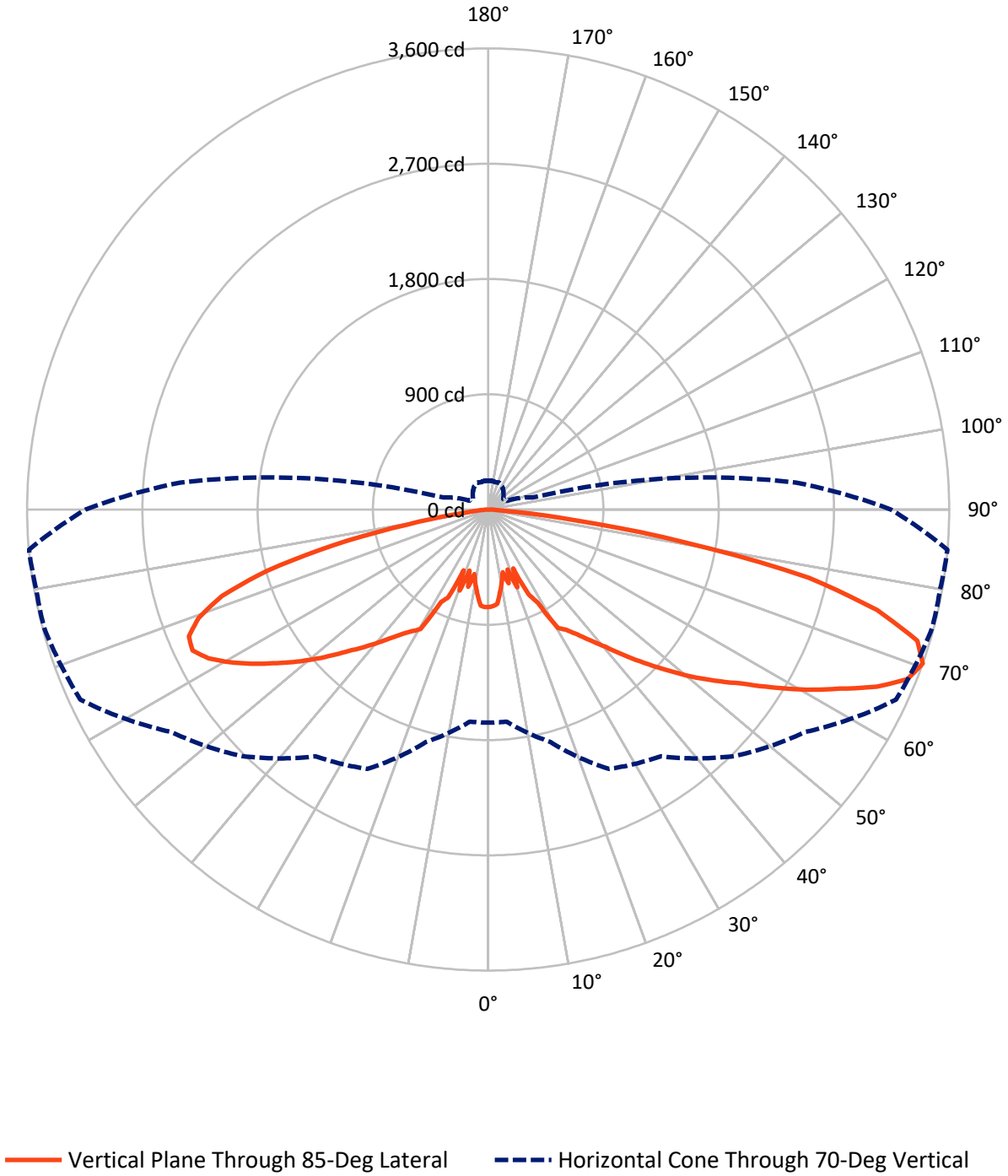
Luminous Intensity Polar Plot



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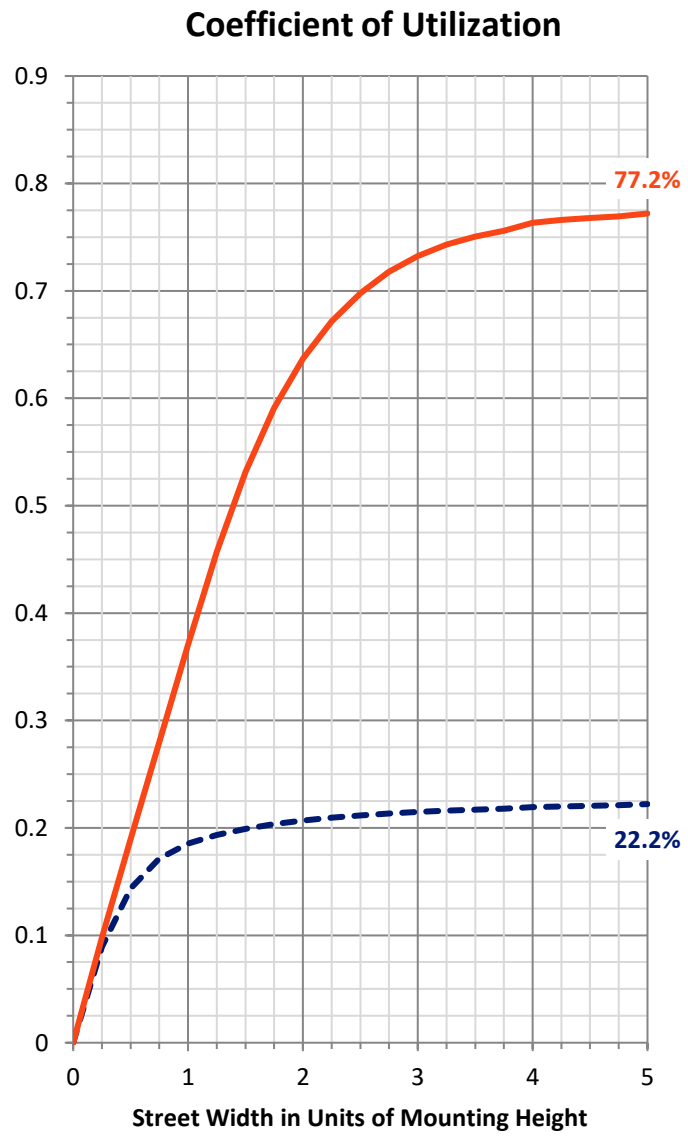
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1449.1	0.0	1449.1
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	4959.8	0.0	4959.8
	% Fixture	77.4	0.0	77.4
Total	Lumens	6408.9	0.0	6408.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	1.0
10°-20°	154.8	2.4
20°-30°	282.8	4.4
30°-40°	534.1	8.3
40°-50°	870.1	13.6
50°-60°	1342.2	20.9
60°-70°	1645.2	25.7
70°-80°	1288.4	20.1
80°-90°	229.4	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°	6408.9	100.0
0°-180°	6408.9	100.0



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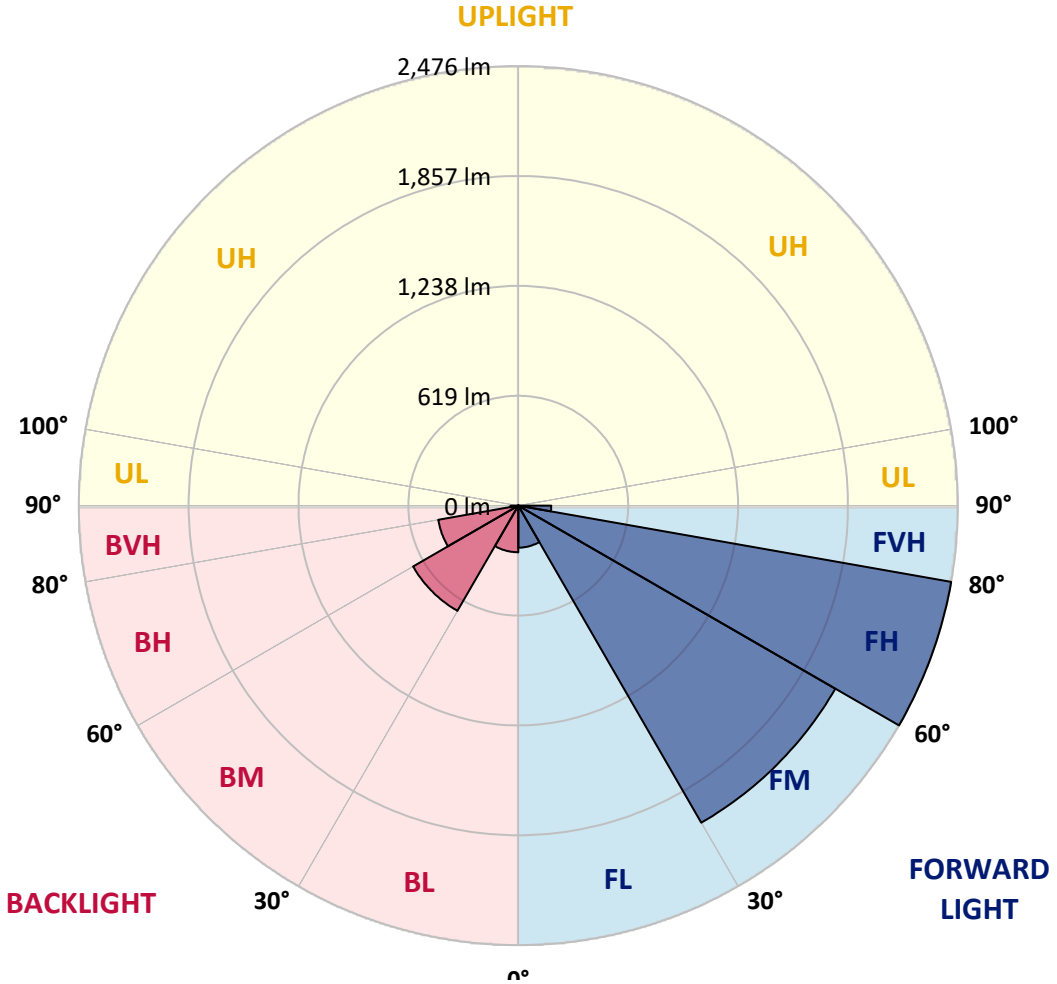
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	236.6	3.7			
FM	(30°-60°)	2061.9	32.2			
FH	(60°-80°)	2475.5	38.6			G2/5000
FVH	(80°-90°)	185.8	2.9			G2/225
BL	(0°-30°)	262.8	4.1	B1/500		
BM	(30°-60°)	684.5	10.7	B1/1000		
BH	(60°-80°)	458.1	7.1	B1/500		G1/500
BVH	(80°-90°)	43.6	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°	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3
2.5°	627.8	684.0	684.0	684.0	695.7	705.1	709.7	712.1	721.5	728.5	733.2
5°	585.6	587.9	587.9	587.9	590.3	592.6	595.0	597.3	602.0	604.3	611.4
7.5°	491.9	501.3	520.0	536.4	548.1	559.8	569.2	576.2	580.9	585.6	587.9
10°	548.1	548.1	548.1	548.1	548.1	548.1	520.0	491.9	494.2	494.2	480.2
12.5°	459.1	473.2	494.2	513.0	529.4	543.4	524.7	506.0	470.8	435.7	435.7
15°	531.7	531.7	529.4	527.0	496.6	466.1	438.0	409.9	428.7	447.4	414.6
17.5°	456.8	459.1	487.2	513.0	508.3	501.3	475.5	447.4	402.9	356.0	402.9
20°	585.6	578.6	564.5	550.5	484.9	419.3	431.0	442.7	454.4	463.8	463.8
22.5°	538.8	543.4	552.8	562.2	555.1	545.8	477.8	409.9	449.7	489.6	454.4
25°	737.9	737.9	709.7	681.6	611.4	538.8	550.5	559.8	491.9	421.6	480.2
27.5°	681.6	677.0	665.2	651.2	665.2	677.0	616.0	552.8	571.5	590.3	541.1
30°	906.5	906.5	894.8	883.1	782.4	679.3	672.3	662.9	623.1	580.9	609.0
32.5°	1086.9	1084.5	1030.7	976.8	920.6	862.0	801.1	737.9	733.2	728.5	723.8
35°	1302.4	1302.4	1271.9	1241.5	1117.3	990.8	918.2	845.6	824.5	803.4	819.8
37.5°	1424.2	1440.6	1428.9	1414.8	1278.9	1140.7	1040.0	937.0	915.9	894.8	901.8
40°	1592.8	1588.1	1585.8	1581.1	1424.2	1267.2	1159.5	1049.4	1035.3	1021.3	1021.3
42.5°	1848.1	1822.4	1794.3	1763.8	1604.5	1445.3	1325.8	1204.0	1178.2	1150.1	1152.5
45°	2199.5	2171.4	2105.8	2037.9	1876.3	1714.6	1555.3	1396.1	1351.6	1304.7	1300.0
47.5°	2415.0	2384.6	2351.8	2316.6	2143.3	1970.0	1806.0	1639.7	1574.1	1508.5	1482.7
50°	2637.5	2609.4	2583.7	2557.9	2405.6	2253.4	2089.4	1925.4	1822.4	1719.3	1674.8
52.5°	2848.3	2796.8	2771.1	2745.3	2616.5	2485.3	2314.3	2143.3	2066.0	1988.7	1892.7
55°	2951.4	2888.2	2878.8	2867.1	2771.1	2672.7	2508.7	2344.7	2258.1	2169.1	2073.0
57.5°	2806.2	2810.9	2862.4	2913.9	2860.1	2806.2	2651.6	2497.0	2410.3	2323.7	2251.0
60°	2675.0	2710.1	2773.4	2836.6	2841.3	2843.7	2761.7	2679.7	2583.7	2487.6	2431.4
62.5°	2494.6	2520.4	2618.8	2714.8	2787.4	2857.7	2773.4	2689.1	2656.3	2621.1	2586.0
65°	2251.0	2258.1	2370.5	2480.6	2611.8	2740.6	2675.0	2609.4	2665.6	2719.5	2724.2
67.5°	1953.6	1974.6	2084.7	2194.8	2354.1	2511.0	2508.7	2506.4	2625.8	2742.9	2824.9
70°	*1663.1*	*1663.1*	*1770.8*	*1878.6*	*2056.6*	*2234.6*	*2293.2*	*2351.8*	*2536.8*	*2721.9*	*2874.1*
72.5°	1253.2	1311.7	1368.0	1424.2	1623.3	1820.0	1948.9	2077.7	2354.1	2628.2	2860.1
75°	691.0	695.7	744.9	794.1	993.2	1192.3	1386.7	1581.1	1951.2	2321.3	2686.7
77.5°	227.2	220.2	248.3	274.1	391.2	506.0	669.9	833.9	1241.5	1649.0	2237.0
80°	126.5	128.8	138.2	147.6	185.0	220.2	299.8	379.5	552.8	723.8	1421.8
82.5°	84.3	86.7	96.0	105.4	121.8	138.2	182.7	224.9	241.3	255.3	641.8
85°	53.9	56.2	60.9	65.6	70.3	72.6	103.1	133.5	121.8	110.1	192.1
87.5°	11.7	11.7	14.1	14.1	16.4	18.7	23.4	28.1	25.8	21.1	28.1
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°	761.3	761.3	761.3	761.3	761.3	761.3	*761.3*	761.3	761.3	761.3	761.3
2.5°	735.5	740.2	742.5	744.9	747.2	751.9	*754.3*	756.6	761.3	763.6	763.6
5°	618.4	660.6	700.4	714.4	728.5	735.5	*740.2*	747.2	751.9	756.6	761.3
7.5°	590.3	592.6	595.0	611.4	627.8	641.8	*655.9*	660.6	672.3	665.2	655.9
10°	463.8	466.1	466.1	482.5	498.9	548.1	*580.9*	587.9	595.0	566.9	536.4
12.5°	433.3	445.1	456.8	449.7	442.7	477.8	*501.3*	510.6	515.3	496.6	477.8
15°	379.5	391.2	400.5	454.4	508.3	555.1	*597.3*	609.0	623.1	592.6	559.8
17.5°	449.7	445.1	438.0	447.4	456.8	468.5	*491.9*	498.9	498.9	508.3	517.7
20°	463.8	412.3	360.7	456.8	552.8	595.0	*648.8*	667.6	672.3	646.5	620.7
22.5°	416.9	475.5	534.1	522.4	510.6	498.9	*498.9*	506.0	513.0	517.7	522.4
25°	536.4	487.2	438.0	550.5	662.9	707.4	*733.2*	744.9	754.3	721.5	686.3
27.5°	491.9	557.5	620.7	669.9	719.1	768.3	*822.2*	873.7	810.5	780.0	749.6
30°	634.8	688.7	742.5	859.7	976.8	1040.0	*1072.8*	1072.8	1072.8	1028.3	981.5
32.5°	719.1	812.8	906.5	969.8	1030.7	1093.9	*1119.7*	1119.7	1119.7	1065.8	1009.6
35°	833.9	908.8	983.8	1056.4	1129.0	1178.2	*1197.0*	1189.9	1175.9	1103.3	1030.7
37.5°	908.8	1009.6	1110.3	1185.3	1257.9	1288.3	*1295.3*	1274.3	1253.2	1157.1	1058.8
40°	1021.3	1131.4	1239.1	1318.8	1398.4	1424.2	*1410.1*	1382.0	1344.5	1215.7	1086.9
42.5°	1152.5	1262.5	1372.6	1466.3	1557.7	1574.1	*1553.0*	1508.5	1442.9	1267.2	1089.2
45°	1295.3	1405.4	1513.2	1618.6	1724.0	1735.7	*1707.6*	1642.0	1546.0	1316.4	1086.9
47.5°	1454.6	1541.3	1628.0	1777.9	1927.8	1913.7	*1871.6*	1796.6	1670.1	1375.0	1077.5
50°	1630.3	1698.2	1763.8	1951.2	2138.6	2096.4	*2049.6*	1967.6	1801.3	1442.9	1082.2
52.5°	1794.3	1859.9	1925.4	2119.9	2311.9	2272.1	*2220.6*	2148.0	1934.8	1515.5	1093.9
55°	1977.0	2047.3	2117.5	2323.7	2529.8	2461.9	*2396.3*	2349.4	2066.0	1576.4	1086.9
57.5°	2176.1	2265.1	2354.1	2543.8	2731.2	2658.6	*2621.1*	2560.2	2211.2	1649.0	1086.9
60°	2375.2	2482.9	2590.7	2757.0	2923.3	2864.7	*2857.7*	2773.4	2347.1	1702.9	1056.4
62.5°	2550.9	2712.5	2874.1	3005.3	3134.1	3077.9	*3080.2*	2981.9	2473.6	1714.6	953.4
65°	2728.9	2937.4	3143.5	3239.5	3335.6	3295.7	*3335.6*	3159.9	2557.9	1667.8	777.7
67.5°	2904.6	3134.1	3363.7	3436.3	3508.9	3485.5	*3532.3*	3218.4	2539.2	1546.0	550.5
70°	*3026.4*	*3270.0*	*3513.6*	*3551.1*	*3588.5*	*3583.9*	*3600.3*	*3145.8*	*2412.7*	*1389.0*	*363.1*
72.5°	3092.0	3321.5	3548.7	3565.1	3579.2	3572.1	*3504.2*	2918.6	2185.5	1218.0	250.6
75°	3049.8	3272.3	3494.9	3462.1	3429.3	3363.7	*3136.5*	2513.4	1791.9	988.5	185.0
77.5°	2824.9	3066.2	3307.5	3223.1	3136.5	2944.4	*2562.6*	1883.3	1246.2	695.7	142.9
80°	2119.9	2417.3	2714.8	2614.1	2511.0	2105.8	*1560.0*	1054.1	644.2	377.1	110.1
82.5°	1026.0	1192.3	1358.6	1332.8	1307.1	967.4	*674.6*	379.5	185.0	135.9	86.7
85°	271.7	402.9	534.1	510.6	487.2	257.7	*112.4*	98.4	72.6	67.9	60.9
87.5°	32.8	37.5	39.8	28.1	14.1	11.7	*11.7*	7.0	7.0	9.4	9.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3
2.5°	768.3	770.6	770.6	770.6	770.6	770.6	751.9	733.2	728.5	723.8	714.4
5°	740.2	716.8	700.4	684.0	684.0	681.6	688.7	695.7	700.4	702.7	705.1
7.5°	658.2	660.6	674.6	686.3	698.0	707.4	714.4	719.1	714.4	707.4	679.3
10°	538.8	541.1	552.8	562.2	578.6	592.6	632.4	669.9	714.4	758.9	770.6
12.5°	513.0	545.8	527.0	508.3	559.8	609.0	660.6	709.7	744.9	777.7	754.3
15°	522.4	484.9	491.9	498.9	562.2	625.4	587.9	548.1	641.8	735.5	756.6
17.5°	520.0	520.0	555.1	590.3	531.7	470.8	557.5	641.8	679.3	714.4	686.3
20°	555.1	487.2	513.0	536.4	583.3	627.8	590.3	552.8	566.9	580.9	672.3
22.5°	578.6	632.4	573.9	513.0	555.1	597.3	590.3	583.3	625.4	667.6	644.2
25°	604.3	520.0	562.2	602.0	555.1	506.0	543.4	578.6	566.9	555.1	627.8
27.5°	693.3	634.8	580.9	527.0	555.1	580.9	552.8	522.4	534.1	545.8	541.1
30°	838.6	693.3	625.4	557.5	522.4	484.9	487.2	489.6	503.6	517.7	557.5
32.5°	876.1	742.5	644.2	545.8	522.4	498.9	477.8	454.4	475.5	496.6	543.4
35°	885.4	737.9	632.4	527.0	489.6	452.1	438.0	424.0	459.1	494.2	536.4
37.5°	880.7	700.4	587.9	475.5	447.4	419.3	412.3	402.9	426.3	447.4	477.8
40°	869.0	651.2	538.8	426.3	402.9	379.5	374.8	370.1	386.5	402.9	421.6
42.5°	847.9	604.3	491.9	379.5	363.1	346.7	342.0	335.0	349.0	363.1	370.1
45°	822.2	557.5	452.1	344.3	332.6	318.6	311.5	302.2	316.2	327.9	330.3
47.5°	796.4	513.0	416.9	318.6	309.2	297.5	290.5	281.1	292.8	302.2	304.5
50°	775.3	466.1	379.5	292.8	283.4	274.1	267.0	260.0	271.7	281.1	281.1
52.5°	763.6	431.0	346.7	262.3	257.7	253.0	250.6	246.0	255.3	264.7	267.0
55°	735.5	381.8	309.2	234.2	236.6	236.6	234.2	229.6	248.3	264.7	271.7
57.5°	705.1	323.3	269.4	213.2	217.8	222.5	224.9	227.2	248.3	267.0	276.4
60°	665.2	274.1	234.2	194.4	201.4	206.1	217.8	227.2	246.0	264.7	269.4
62.5°	595.0	234.2	206.1	178.0	187.4	196.8	210.8	224.9	238.9	253.0	253.0
65°	491.9	203.8	185.0	164.0	178.0	189.7	206.1	222.5	234.2	243.6	241.3
67.5°	367.8	182.7	168.7	152.3	168.7	182.7	196.8	210.8	224.9	238.9	234.2
70°	*264.7*	*164.0*	*154.6*	*142.9*	*156.9*	*171.0*	*185.0*	*199.1*	*213.2*	*227.2*	*224.9*
72.5°	201.4	149.9	140.5	131.2	145.2	156.9	173.3	189.7	203.8	217.8	213.2
75°	161.6	135.9	128.8	119.5	133.5	147.6	164.0	178.0	192.1	206.1	201.4
77.5°	133.5	121.8	114.8	107.8	119.5	131.2	147.6	164.0	178.0	189.7	185.0
80°	107.8	103.1	98.4	91.4	105.4	117.1	133.5	147.6	159.3	171.0	164.0
82.5°	84.3	82.0	79.6	75.0	86.7	98.4	114.8	131.2	140.5	149.9	145.2
85°	63.2	63.2	60.9	58.6	67.9	75.0	84.3	91.4	100.7	107.8	103.1
87.5°	9.4	9.4	14.1	16.4	16.4	16.4	23.4	30.5	30.5	28.1	23.4
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°	761.3	761.3	761.3	761.3
2.5°	705.1	705.1	705.1	707.4
5°	707.4	709.7	709.7	714.4
7.5°	648.8	646.5	644.2	644.2
10°	780.0	784.7	787.0	791.7
12.5°	728.5	700.4	672.3	672.3
15°	777.7	782.4	784.7	789.4
17.5°	658.2	655.9	653.5	648.8
20°	761.3	766.0	768.3	768.3
22.5°	620.7	620.7	618.4	618.4
25°	700.4	700.4	700.4	705.1
27.5°	534.1	550.5	566.9	587.9
30°	597.3	599.7	602.0	602.0
32.5°	590.3	620.7	651.2	655.9
35°	578.6	578.6	576.2	578.6
37.5°	508.3	501.3	491.9	496.6
40°	438.0	421.6	405.2	402.9
42.5°	377.1	363.1	346.7	346.7
45°	332.6	323.3	311.5	306.9
47.5°	304.5	295.1	285.8	283.4
50°	278.7	269.4	260.0	260.0
52.5°	269.4	262.3	253.0	250.6
55°	278.7	264.7	250.6	246.0
57.5°	283.4	267.0	250.6	243.6
60°	271.7	262.3	250.6	241.3
62.5°	250.6	246.0	241.3	236.6
65°	236.6	236.6	234.2	229.6
67.5°	229.6	231.9	231.9	227.2
70°	*220.2*	*224.9*	*227.2*	*222.5*
72.5°	208.5	210.8	210.8	203.8
75°	194.4	192.1	189.7	185.0
77.5°	178.0	175.7	171.0	166.3
80°	156.9	154.6	152.3	145.2
82.5°	138.2	142.9	145.2	119.5
85°	96.0	86.7	77.3	63.2
87.5°	18.7	14.1	7.0	7.0
90°	0.0	0.0	0.0	0.0

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