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: P560725

Luminaire Tested: **SDL-PA1-60-730-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560725
	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-PA1-60-730-U-T4W
Description:	Springdale
	(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6790 lumens
Efficiency:	N/A
Efficacy:	108.8 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:	B1 - U0 - G3

Input Watts (W):	62.4
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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Scaled Data Report

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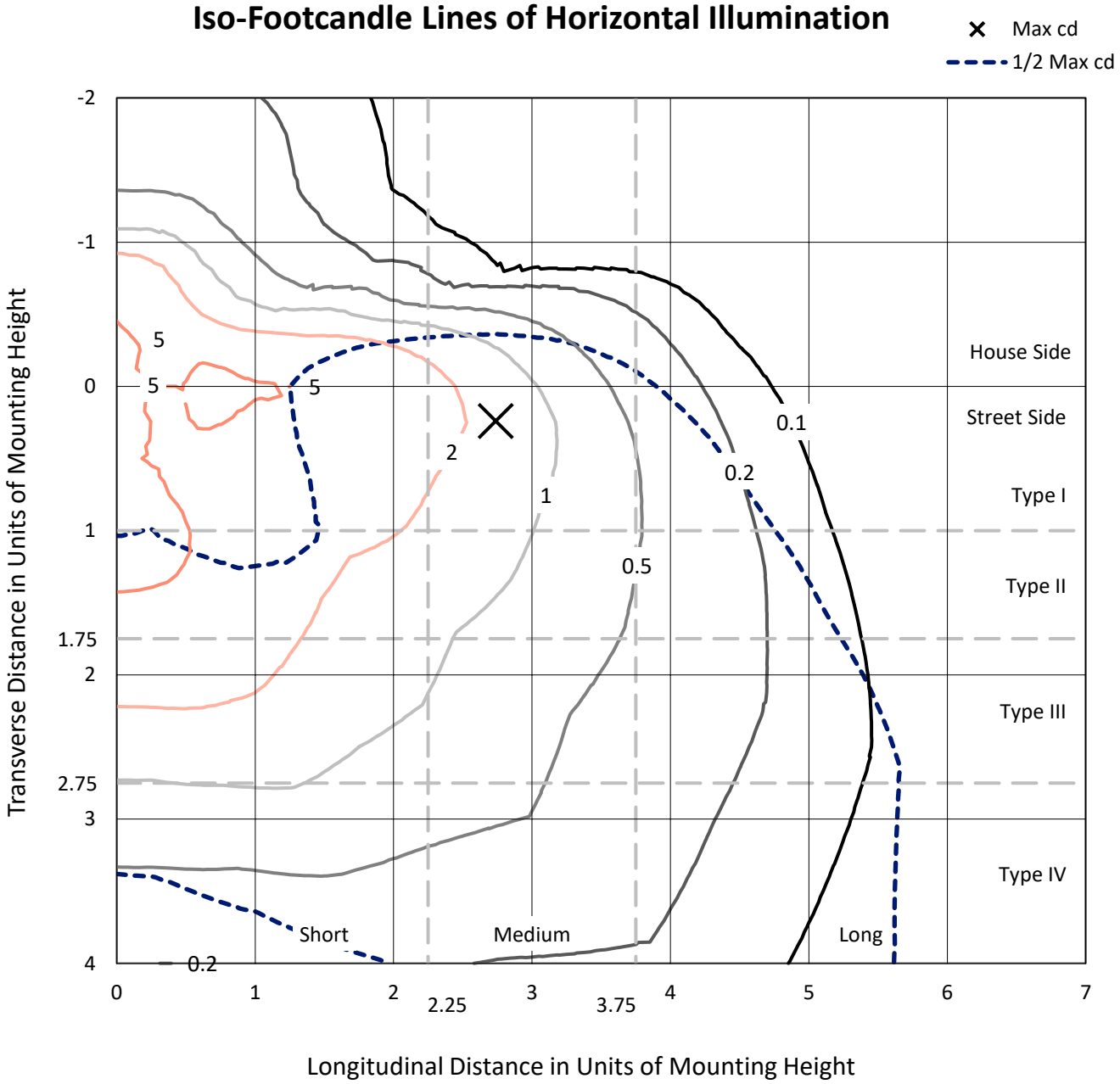
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
Type IV - Medium - N/A

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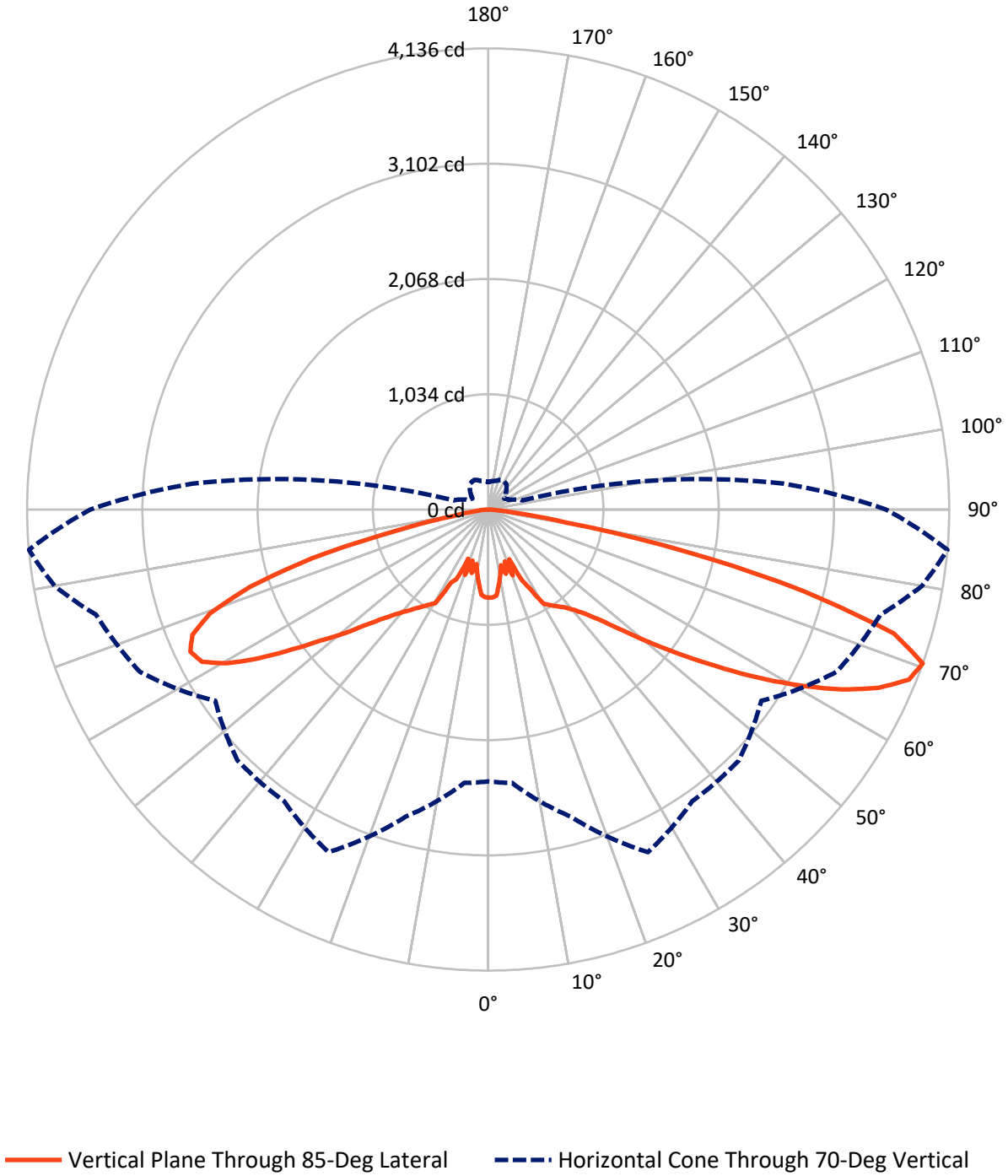
Luminous Intensity Polar Plot



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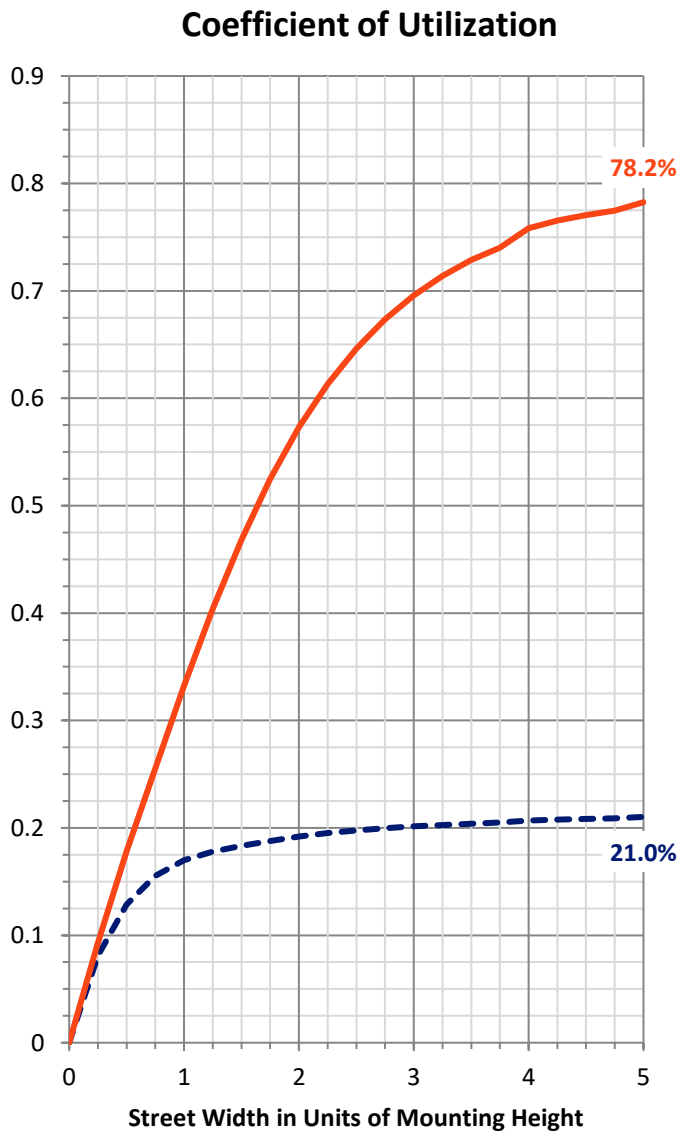
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1459.9	0.0	1459.9
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	5330.1	0.0	5330.1
	% Fixture	78.5	0.0	78.5
Total	Lumens	6790.0	0.0	6790.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	1.0
10°-20°	165.2	2.4
20°-30°	288.9	4.3
30°-40°	508.8	7.5
40°-50°	767.6	11.3
50°-60°	1221.1	18.0
60°-70°	1790.5	26.4
70°-80°	1679.0	24.7
80°-90°	303.2	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°	6790.0	100.0
0°-180°	6790.0	100.0



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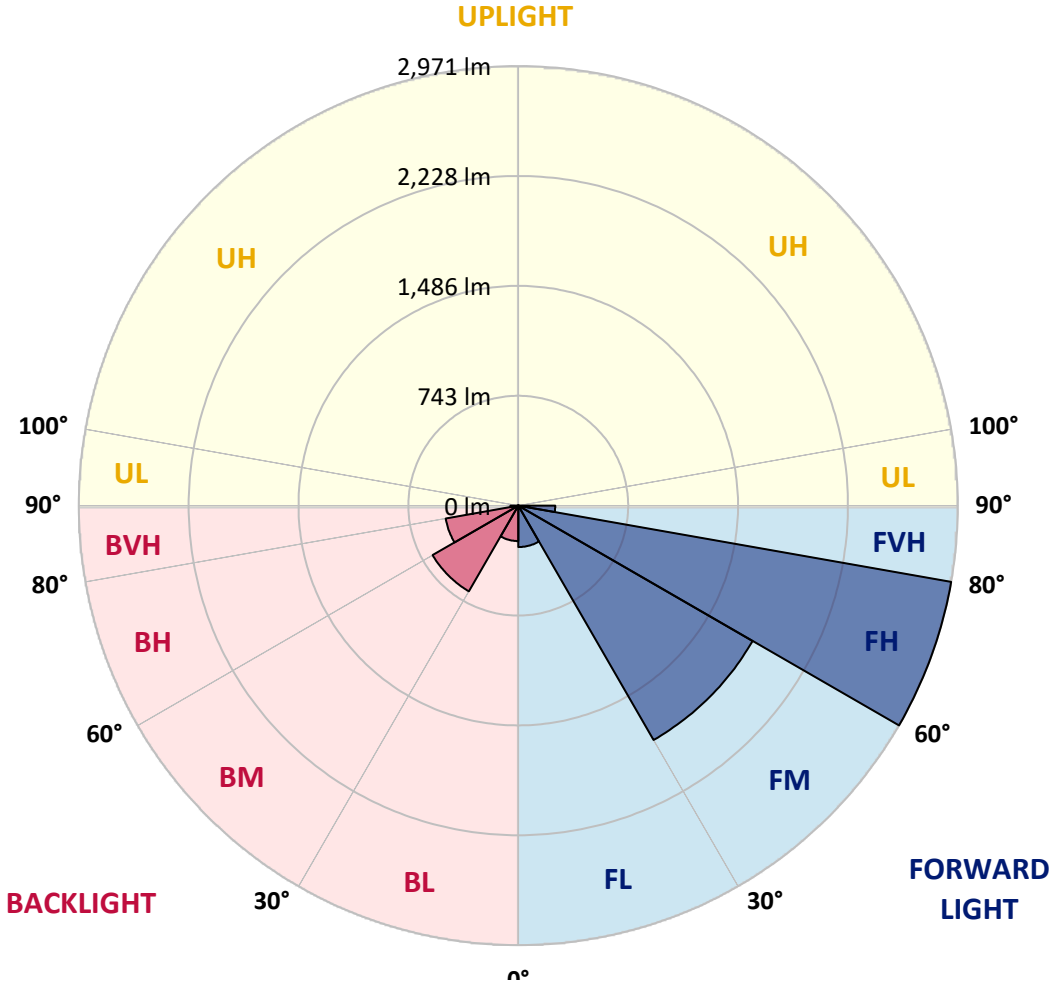
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	280.0	4.1			
FM	(30°-60°)	1829.2	26.9			
FH	(60°-80°)	2971.2	43.8			G2/5000
FVH	(80°-90°)	249.6	3.7			G3/500
BL	(0°-30°)	239.7	3.5	B1/500		
BM	(30°-60°)	668.3	9.8	B1/1000		
BH	(60°-80°)	498.3	7.3	B1/500		G1/500
BVH	(80°-90°)	53.5	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°	789.6	789.6	789.6	789.6	789.6	789.6	789.6	789.6	789.6	789.6	789.6
2.5°	716.9	747.0	762.0	777.0	782.0	787.1	787.1	784.5	784.5	784.5	789.6
5°	729.4	726.9	726.9	726.9	724.4	721.9	719.4	714.4	711.9	706.8	704.3
7.5°	669.2	719.4	721.9	724.4	724.4	721.9	726.9	731.9	726.9	719.4	709.4
10°	794.6	792.1	787.1	782.0	774.5	767.0	709.4	649.2	654.2	659.2	611.6
12.5°	689.3	736.9	757.0	777.0	779.5	779.5	739.4	696.8	641.7	586.5	564.0
15°	842.2	837.2	827.2	817.1	749.5	679.3	639.2	599.1	599.1	599.1	531.4
17.5°	709.4	706.8	752.0	797.1	772.0	747.0	689.3	631.7	546.4	458.7	513.8
20°	869.8	869.8	857.2	844.7	729.4	611.6	619.1	624.1	626.6	626.6	601.6
22.5°	729.4	724.4	729.4	731.9	731.9	731.9	626.6	521.4	579.0	634.2	576.5
25°	869.8	872.3	869.8	867.3	762.0	654.2	671.8	689.3	609.1	526.4	581.5
27.5°	759.5	757.0	744.4	731.9	734.4	736.9	681.8	624.1	656.7	689.3	631.7
30°	929.9	932.4	924.9	914.9	809.6	704.3	699.3	691.8	669.2	646.7	666.7
32.5°	1122.9	1122.9	1045.2	967.5	902.4	834.7	779.5	724.4	747.0	769.5	744.4
35°	1225.7	1220.7	1195.6	1168.1	1047.7	924.9	849.7	772.0	779.5	784.5	784.5
37.5°	1408.7	1406.2	1371.1	1336.0	1173.1	1007.6	909.9	809.6	824.7	837.2	819.6
40°	1636.8	1636.8	1609.2	1579.1	1371.1	1160.5	1022.7	884.8	882.3	877.3	857.2
42.5°	1857.4	1864.9	1847.3	1829.8	1586.6	1343.5	1163.0	982.6	960.0	937.4	917.4
45°	2002.7	2012.8	2027.8	2042.8	1802.2	1561.6	1351.0	1138.0	1095.4	1050.2	1015.2
47.5°	2150.6	2135.6	2155.6	2175.7	1970.1	1764.6	1534.0	1303.4	1233.2	1163.0	1125.4
50°	2288.5	2283.5	2291.0	2298.5	2130.6	1962.6	1724.5	1486.4	1401.2	1313.4	1270.8
52.5°	2468.9	2451.4	2441.4	2431.4	2288.5	2145.6	1920.0	1691.9	1591.7	1488.9	1438.8
55°	2641.9	2634.4	2619.3	2601.8	2479.0	2356.2	2118.0	1879.9	1774.6	1669.4	1611.7
57.5°	2819.9	2814.9	2812.3	2809.8	2702.1	2594.3	2351.1	2105.5	1985.2	1862.4	1814.7
60°	2987.8	2990.3	3010.4	3027.9	2945.2	2862.5	2616.8	2371.2	2218.3	2062.9	2015.3
62.5°	3088.1	3095.6	3145.7	3193.3	3148.2	3103.1	2849.9	2594.3	2433.9	2270.9	2238.3
65°	2960.2	2997.8	3143.2	3288.6	3288.6	3288.6	3058.0	2824.9	2684.5	2544.1	2516.6
67.5°	2674.5	2712.1	2920.1	3125.7	3233.4	3341.2	3190.8	3040.4	2945.2	2847.4	2812.3
70°	*2438.9*	*2461.4*	*2656.9*	*2849.9*	*3120.7*	*3391.4*	*3293.6*	*3193.3*	*3188.3*	*3180.8*	*3085.6*
72.5°	2240.9	2291.0	2451.4	2609.3	2982.8	3356.3	3353.8	3351.3	3454.0	3556.8	3373.8
75°	1792.2	1787.2	1937.6	2088.0	2509.1	2927.6	3163.3	3396.4	3692.1	3985.4	3704.7
77.5°	799.6	854.7	997.6	1140.5	1519.0	1895.0	2348.6	2802.3	3454.0	4103.2	3817.5
80°	228.1	240.6	280.7	318.3	496.3	671.8	1148.0	1621.7	2441.4	3258.5	3065.5
82.5°	120.3	125.3	150.4	173.0	223.1	270.7	451.2	629.1	1333.5	2035.3	1859.9
85°	57.7	52.6	67.7	80.2	107.8	135.4	208.0	280.7	516.3	752.0	649.2
87.5°	12.5	12.5	15.0	15.0	22.6	30.1	45.1	60.2	57.7	52.6	62.7
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°	789.6	789.6	789.6	789.6	789.6	789.6	*789.6*	789.6	789.6	789.6	789.6
2.5°	792.1	794.6	797.1	794.6	792.1	789.6	*789.6*	787.1	787.1	784.5	779.5
5°	701.8	736.9	772.0	774.5	777.0	777.0	*774.5*	772.0	767.0	764.5	759.5
7.5°	699.3	686.8	674.3	676.8	679.3	681.8	*681.8*	674.3	671.8	651.7	631.7
10°	561.5	548.9	536.4	543.9	551.4	579.0	*594.1*	589.0	584.0	548.9	511.3
12.5°	541.4	536.4	531.4	493.8	456.2	488.8	*511.3*	508.8	501.3	468.7	436.1
15°	463.7	466.2	466.2	508.8	551.4	579.0	*599.1*	594.1	589.0	548.9	508.8
17.5°	566.5	538.9	508.8	501.3	493.8	506.3	*488.8*	461.2	478.8	473.7	468.7
20°	574.0	506.3	436.1	506.3	576.5	594.1	*631.7*	629.1	621.6	586.5	551.4
22.5°	518.9	559.0	596.6	559.0	521.4	496.3	*483.8*	478.8	476.2	486.3	493.8
25°	636.7	561.5	483.8	576.5	666.7	686.8	*696.8*	689.3	686.8	641.7	596.6
27.5°	571.5	611.6	651.7	681.8	711.9	736.9	*812.1*	739.4	736.9	694.3	649.2
30°	684.3	726.9	769.5	847.2	924.9	967.5	*982.6*	977.6	965.0	897.3	829.7
32.5°	719.4	804.6	887.3	922.4	955.0	1000.1	*1022.7*	1020.2	1007.6	927.4	844.7
35°	784.5	847.2	909.9	957.5	1002.6	1045.2	*1065.3*	1072.8	1057.8	957.5	854.7
37.5°	802.1	882.3	962.5	1012.6	1062.8	1095.4	*1112.9*	1135.5	1117.9	997.6	874.8
40°	837.2	932.4	1025.2	1075.3	1122.9	1153.0	*1183.1*	1210.7	1188.1	1042.7	894.8
42.5°	894.8	992.6	1087.8	1145.5	1200.6	1243.2	*1278.3*	1315.9	1273.3	1085.3	894.8
45°	980.1	1070.3	1160.5	1238.2	1313.4	1366.1	*1416.2*	1468.8	1383.6	1140.5	894.8
47.5°	1087.8	1175.6	1260.8	1383.6	1506.4	1554.1	*1614.2*	1664.3	1526.5	1210.7	894.8
50°	1225.7	1323.5	1421.2	1584.1	1744.6	1789.7	*1864.9*	1902.5	1717.0	1318.4	917.4
52.5°	1386.1	1493.9	1599.2	1789.7	1980.2	2055.4	*2155.6*	2180.7	1910.0	1426.2	940.0
55°	1554.1	1699.4	1842.3	2052.9	2260.9	2333.6	*2476.5*	2496.5	2158.1	1559.1	957.5
57.5°	1767.1	1937.6	2105.5	2311.0	2514.1	2616.8	*2839.9*	2847.4	2446.4	1722.0	995.1
60°	1967.6	2180.7	2391.2	2586.8	2782.3	2942.7	*3200.9*	3203.4	2717.1	1844.8	970.0
62.5°	2205.8	2458.9	2709.6	2877.5	3045.5	3243.5	*3554.3*	3509.2	2907.6	1859.9	812.1
65°	2486.5	2747.2	3007.9	3150.7	3291.1	3516.7	*3852.6*	3679.6	2960.2	1774.6	586.5
67.5°	2774.7	3017.9	3261.0	3373.8	3486.6	3772.4	*4070.6*	3699.7	2882.5	1646.8	408.6
70°	*2990.3*	*3218.4*	*3446.5*	*3544.3*	*3642.0*	*3950.3*	*4135.8*	*3569.3*	*2664.5*	*1491.4*	*318.3*
72.5°	3188.3	3403.9	3616.9	3667.1	3714.7	3872.6	*3804.9*	3145.7	2245.9	1255.8	263.2
75°	3423.9	3561.8	3697.2	3606.9	3516.7	3303.6	*2920.1*	2293.5	1644.3	934.9	225.6
77.5°	3531.7	3499.1	3464.0	3155.7	2847.4	2275.9	*1814.7*	1326.0	834.7	513.8	193.0
80°	2872.5	2742.2	2609.3	2093.0	1576.6	1077.8	*706.8*	448.7	305.8	230.6	155.4
82.5°	1681.9	1378.6	1075.3	789.6	503.8	353.4	*230.6*	183.0	142.9	135.4	125.3
85°	543.9	481.3	418.6	330.9	243.1	150.4	*87.7*	80.2	75.2	82.7	87.7
87.5°	72.7	72.7	70.2	52.6	32.6	17.5	*10.0*	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°	789.6	789.6	789.6	789.6	789.6	789.6	789.6	789.6	789.6	789.6	789.6
2.5°	779.5	777.0	774.5	772.0	769.5	764.5	744.4	724.4	716.9	706.8	699.3
5°	734.4	709.4	691.8	674.3	666.7	656.7	659.2	661.7	664.2	664.2	664.2
7.5°	636.7	641.7	644.2	644.2	651.7	656.7	661.7	664.2	654.2	644.2	631.7
10°	506.3	498.8	508.8	516.3	528.9	538.9	571.5	604.1	634.2	664.2	676.8
12.5°	461.2	486.3	466.2	446.2	486.3	523.9	569.0	614.1	641.7	666.7	644.2
15°	468.7	426.1	431.1	433.6	483.8	531.4	503.8	476.2	553.9	629.1	651.7
17.5°	461.2	453.7	481.3	506.3	458.7	411.1	478.8	543.9	579.0	614.1	604.1
20°	498.8	443.7	443.7	443.7	486.3	528.9	496.3	463.7	501.3	538.9	601.6
22.5°	516.3	536.4	496.3	453.7	481.3	508.8	508.8	506.3	548.9	589.0	579.0
25°	521.4	446.2	481.3	513.8	496.3	476.2	498.8	518.9	531.4	543.9	599.1
27.5°	596.6	543.9	503.8	461.2	493.8	526.4	518.9	511.3	521.4	531.4	543.9
30°	706.8	584.0	538.9	491.3	473.7	453.7	476.2	496.3	533.9	571.5	621.6
32.5°	739.4	631.7	559.0	483.8	481.3	476.2	483.8	488.8	531.4	571.5	641.7
35°	734.4	611.6	541.4	468.7	453.7	438.6	451.2	461.2	523.9	586.5	654.2
37.5°	729.4	581.5	508.8	436.1	426.1	413.6	426.1	438.6	486.3	533.9	596.6
40°	721.9	546.4	476.2	403.6	391.0	378.5	391.0	401.0	438.6	476.2	526.4
42.5°	704.3	511.3	441.2	368.5	358.4	345.9	355.9	366.0	398.5	431.1	461.2
45°	684.3	471.2	403.6	335.9	325.9	315.8	323.3	328.4	358.4	386.0	401.0
47.5°	661.7	428.6	366.0	303.3	293.3	283.2	290.8	295.8	318.3	340.9	345.9
50°	656.7	393.5	335.9	275.7	268.2	258.2	263.2	268.2	285.7	300.8	300.8
52.5°	646.7	350.9	303.3	253.2	248.1	240.6	243.1	245.6	258.2	270.7	268.2
55°	639.2	320.8	278.2	235.6	230.6	223.1	225.6	228.1	240.6	250.7	248.1
57.5°	646.7	295.8	258.2	218.1	213.1	208.0	213.1	218.1	230.6	243.1	243.1
60°	621.6	270.7	235.6	200.5	198.0	193.0	205.5	215.6	235.6	253.2	258.2
62.5°	531.4	248.1	218.1	188.0	190.5	190.5	213.1	233.1	260.7	285.7	290.8
65°	408.6	230.6	205.5	178.0	190.5	203.0	233.1	263.2	288.3	313.3	305.8
67.5°	313.3	218.1	198.0	175.5	203.0	228.1	255.7	283.2	295.8	305.8	293.3
70°	*263.2*	*205.5*	*190.5*	*173.0*	*200.5*	*228.1*	*255.7*	*283.2*	*288.3*	*293.3*	*280.7*
72.5°	230.6	195.5	180.5	165.4	188.0	210.6	243.1	273.2	278.2	280.7	268.2
75°	205.5	183.0	165.4	147.9	170.4	190.5	223.1	255.7	260.7	263.2	253.2
77.5°	180.5	167.9	147.9	127.8	150.4	173.0	203.0	233.1	240.6	248.1	235.6
80°	150.4	142.9	127.8	112.8	137.9	160.4	188.0	215.6	223.1	230.6	218.1
82.5°	120.3	115.3	105.3	95.2	120.3	145.4	173.0	198.0	205.5	210.6	195.5
85°	87.7	87.7	82.7	77.7	102.8	125.3	142.9	160.4	157.9	155.4	145.4
87.5°	12.5	12.5	17.5	22.6	30.1	35.1	45.1	52.6	55.1	55.1	42.6
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):

	165°	170°	175°	180°
0°	789.6	789.6	789.6	789.6
2.5°	691.8	691.8	689.3	694.3
5°	664.2	666.7	666.7	669.2
7.5°	619.1	606.6	591.5	594.1
10°	689.3	691.8	694.3	694.3
12.5°	619.1	609.1	596.6	599.1
15°	671.8	679.3	686.8	689.3
17.5°	591.5	589.0	586.5	584.0
20°	661.7	674.3	686.8	686.8
22.5°	569.0	569.0	569.0	571.5
25°	654.2	669.2	681.8	681.8
27.5°	553.9	589.0	624.1	651.7
30°	669.2	676.8	684.3	686.8
32.5°	709.4	747.0	782.0	789.6
35°	719.4	736.9	752.0	759.5
37.5°	659.2	674.3	689.3	699.3
40°	574.0	586.5	599.1	606.6
42.5°	488.8	491.3	493.8	506.3
45°	416.1	403.6	391.0	388.5
47.5°	348.4	330.9	313.3	310.8
50°	298.3	283.2	268.2	268.2
52.5°	263.2	253.2	243.1	243.1
55°	245.6	240.6	233.1	233.1
57.5°	243.1	240.6	238.1	238.1
60°	260.7	263.2	263.2	263.2
62.5°	293.3	295.8	295.8	295.8
65°	295.8	290.8	285.7	285.7
67.5°	280.7	273.2	265.7	260.7
70°	*265.7*	*260.7*	*253.2*	*245.6*
72.5°	253.2	248.1	240.6	233.1
75°	240.6	233.1	223.1	218.1
77.5°	223.1	218.1	210.6	205.5
80°	203.0	198.0	190.5	180.5
82.5°	180.5	183.0	183.0	157.9
85°	132.8	125.3	115.3	95.2
87.5°	27.6	25.1	20.1	17.5
90°	0.0	0.0	0.0	0.0

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