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: P560791

Luminaire Tested: **SDL-PA1-60-760-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560791
	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-PA1-60-760-U-T4W
Description:	Springdale
	(1) 70 CRI, 5700K, 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:	7455.7 lumens
Efficiency:	N/A
Efficacy:	119.5 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):	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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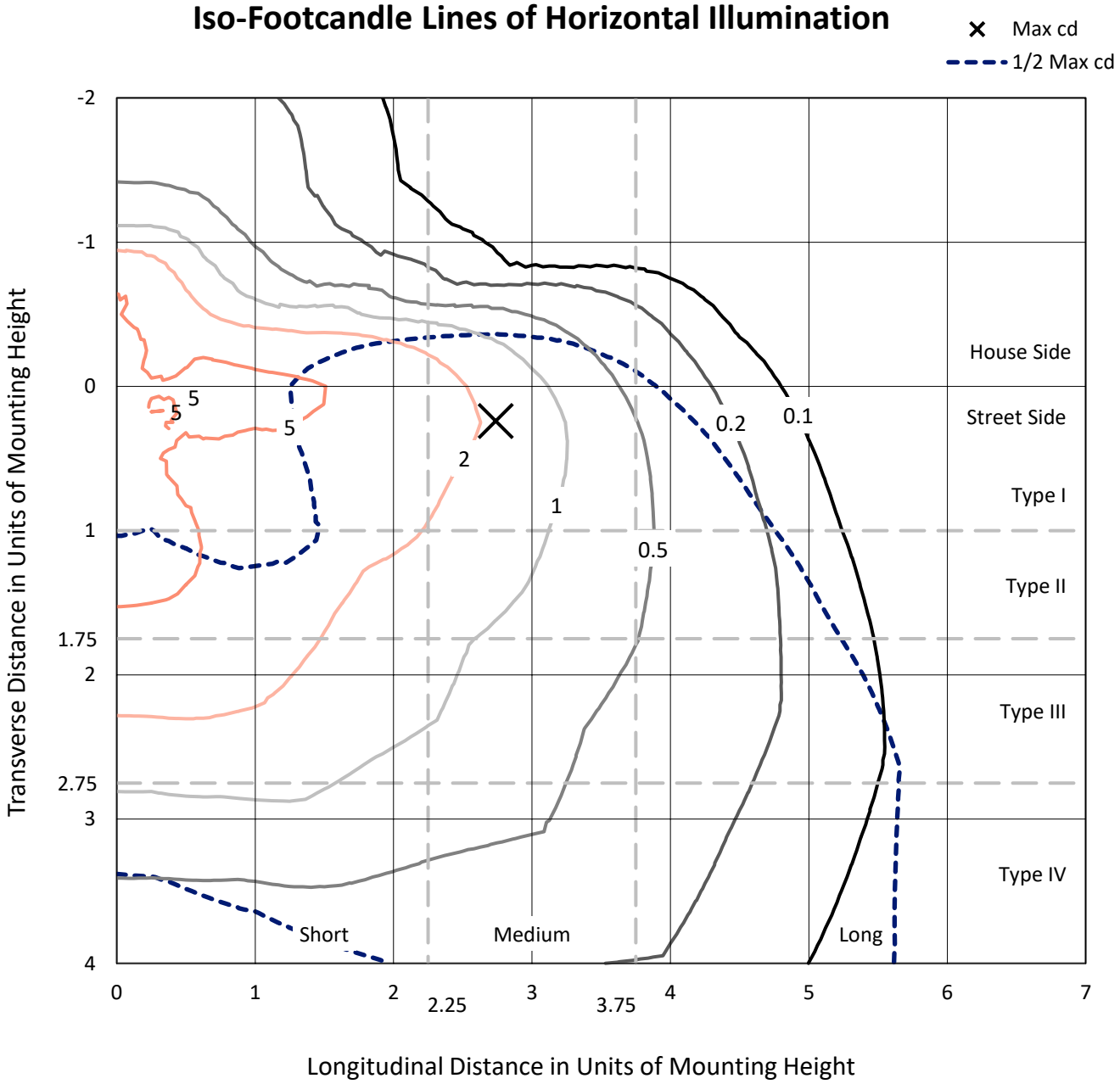
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
Type IV - Medium - N/A

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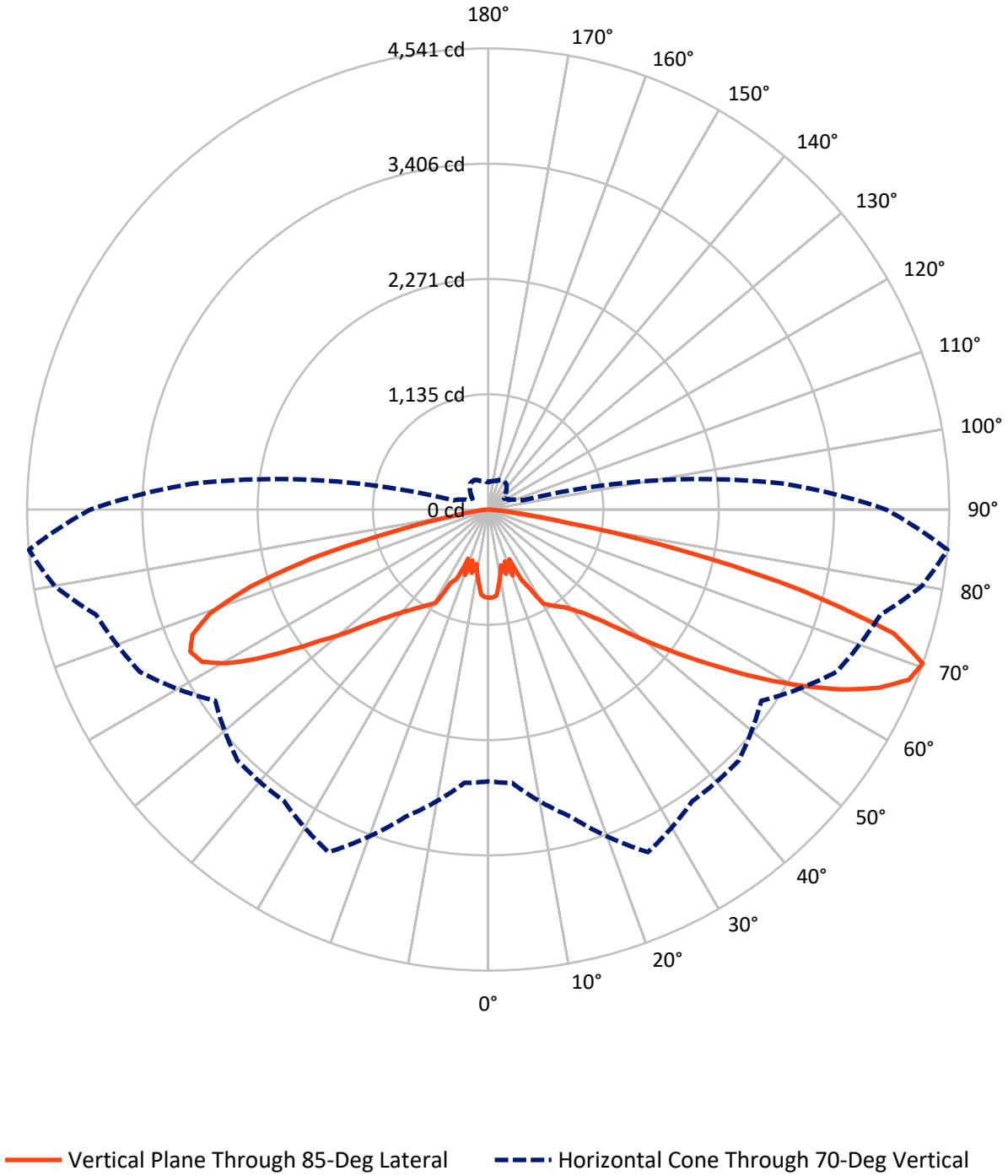
Luminous Intensity Polar Plot



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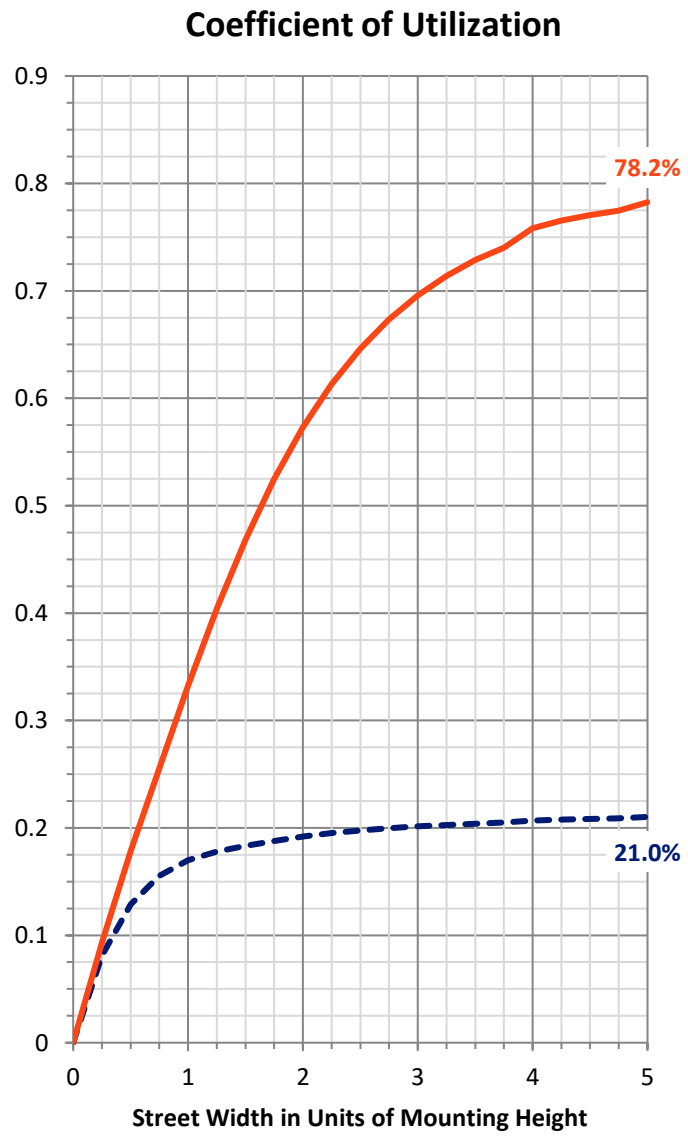
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1603.0	0.0	1603.0
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	5852.6	0.0	5852.6
	% Fixture	78.5	0.0	78.5
Total	Lumens	7455.7	0.0	7455.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	1.0
10°-20°	181.4	2.4
20°-30°	317.2	4.3
30°-40°	558.7	7.5
40°-50°	842.9	11.3
50°-60°	1340.8	18.0
60°-70°	1966.1	26.4
70°-80°	1843.6	24.7
80°-90°	332.9	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°	7455.7	100.0
0°-180°	7455.7	100.0



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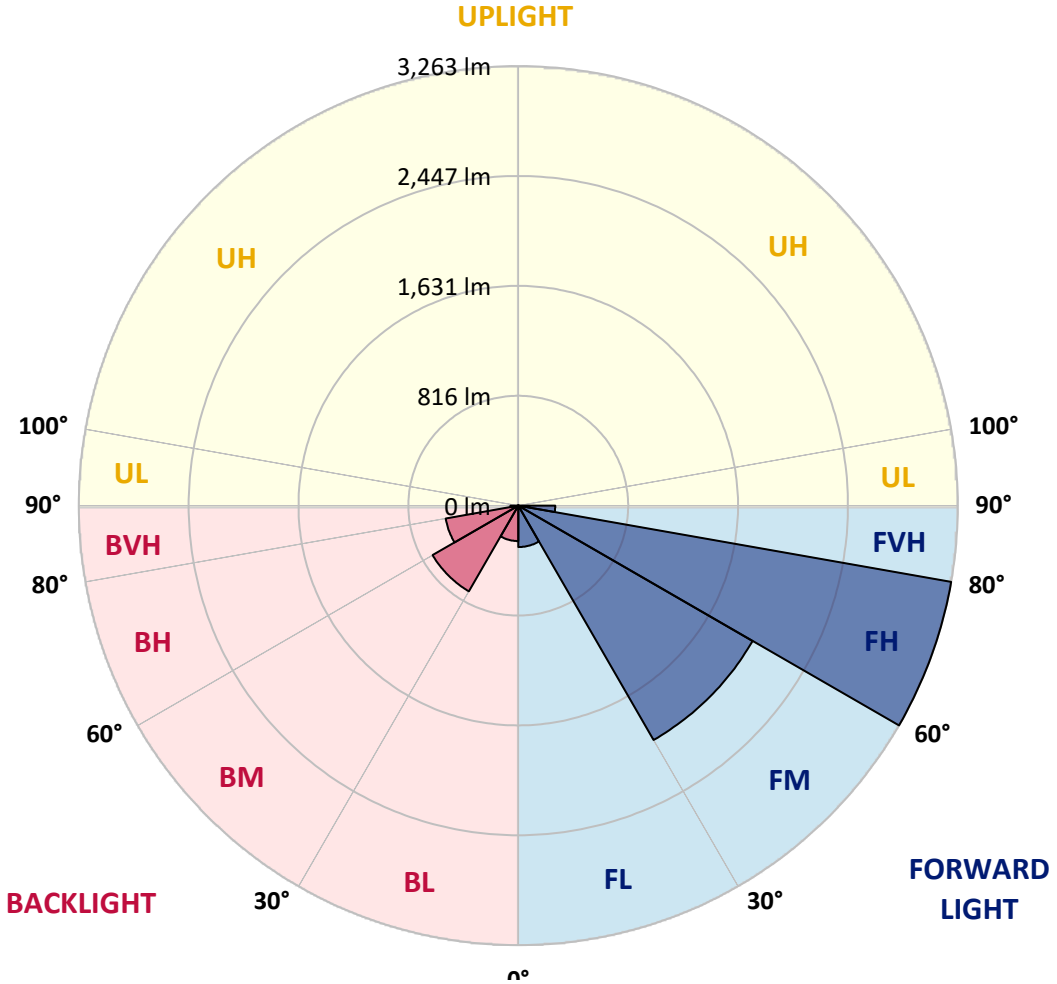
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	307.4	4.1			
FM	(30°-60°)	2008.6	26.9			
FH	(60°-80°)	3262.5	43.8			G2/5000
FVH	(80°-90°)	274.1	3.7			G3/500
BL	(0°-30°)	263.2	3.5	B1/500		
BM	(30°-60°)	733.8	9.8	B1/1000		
BH	(60°-80°)	547.2	7.3	B2/1000		G2/1000
BVH	(80°-90°)	58.8	0.8			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°	867.0	867.0	867.0	867.0	867.0	867.0	867.0	867.0	867.0	867.0	867.0
2.5°	787.2	820.2	836.7	853.2	858.7	864.2	864.2	861.5	861.5	861.5	867.0
5°	800.9	798.2	798.2	798.2	795.4	792.7	789.9	784.4	781.6	776.1	773.4
7.5°	734.9	789.9	792.7	795.4	795.4	792.7	798.2	803.7	798.2	789.9	778.9
10°	872.5	869.7	864.2	858.7	850.5	842.2	778.9	712.8	718.3	723.9	671.6
12.5°	756.9	809.2	831.2	853.2	856.0	856.0	811.9	765.1	704.6	644.0	619.3
15°	924.8	919.3	908.3	897.2	822.9	745.9	701.8	657.8	657.8	657.8	583.5
17.5°	778.9	776.1	825.7	875.2	847.7	820.2	756.9	693.6	600.0	503.7	564.2
20°	955.0	955.0	941.3	927.5	800.9	671.6	679.8	685.3	688.1	688.1	660.5
22.5°	800.9	795.4	800.9	803.7	803.7	803.7	688.1	572.5	635.8	696.3	633.0
25°	955.0	957.8	955.0	952.3	836.7	718.3	737.6	756.9	668.8	578.0	638.5
27.5°	833.9	831.2	817.4	803.7	806.4	809.2	748.6	685.3	721.1	756.9	693.6
30°	1021.1	1023.9	1015.6	1004.6	889.0	773.4	767.9	759.6	734.9	710.1	732.1
32.5°	1233.0	1233.0	1147.7	1062.4	990.8	916.5	856.0	795.4	820.2	845.0	817.4
35°	1345.9	1340.4	1312.8	1282.6	1150.5	1015.6	933.0	847.7	856.0	861.5	861.5
37.5°	1546.8	1544.0	1505.5	1467.0	1288.1	1106.4	999.1	889.0	905.5	919.3	900.0
40°	1797.2	1797.2	1767.0	1733.9	1505.5	1274.3	1122.9	971.6	968.8	963.3	941.3
42.5°	2039.4	2047.7	2028.4	2009.2	1742.2	1475.2	1277.1	1078.9	1054.1	1029.4	1007.3
45°	2199.1	2210.1	2226.6	2243.1	1978.9	1714.7	1483.5	1249.5	1202.7	1153.2	1114.7
47.5°	2361.5	2344.9	2367.0	2389.0	2163.3	1937.6	1684.4	1431.2	1354.1	1277.1	1235.8
50°	2512.8	2507.3	2515.6	2523.8	2339.4	2155.0	1893.6	1632.1	1538.5	1442.2	1395.4
52.5°	2711.0	2691.7	2680.7	2669.7	2512.8	2356.0	2108.3	1857.8	1747.7	1634.9	1579.8
55°	2900.9	2892.7	2876.1	2856.9	2722.0	2587.2	2325.7	2064.2	1948.6	1833.0	1769.7
57.5°	3096.3	3090.8	3088.1	3085.3	2967.0	2848.6	2581.6	2311.9	2179.8	2044.9	1992.7
60°	3280.7	3283.5	3305.5	3324.8	3233.9	3143.1	2873.4	2603.7	2435.8	2265.1	2212.8
62.5°	3390.8	3399.1	3454.1	3506.4	3456.9	3407.3	3129.4	2848.6	2672.5	2493.6	2457.8
65°	3250.5	3291.7	3451.4	3611.0	3611.0	3611.0	3357.8	3101.8	2947.7	2793.6	2763.3
67.5°	2936.7	2978.0	3206.4	3432.1	3550.5	3668.8	3503.7	3338.5	3233.9	3126.6	3088.1
70°	*2678.0*	*2702.7*	*2917.4*	*3129.4*	*3426.6*	*3723.8*	*3616.5*	*3506.4*	*3500.9*	*3492.7*	*3388.1*
72.5°	2460.5	2515.6	2691.7	2865.1	3275.2	3685.3	3682.6	3679.8	3792.7	3905.5	3704.6
75°	1967.9	1962.4	2127.5	2292.7	2755.0	3214.7	3473.4	3729.3	4054.1	4376.1	4067.9
77.5°	878.0	938.5	1095.4	1252.3	1667.9	2080.7	2578.9	3077.1	3792.7	4505.5	4191.7
80°	250.5	264.2	308.3	349.5	545.0	737.6	1260.5	1780.7	2680.7	3578.0	3366.0
82.5°	132.1	137.6	165.1	189.9	245.0	297.2	495.4	690.8	1464.2	2234.9	2042.2
85°	63.3	57.8	74.3	88.1	118.3	148.6	228.4	308.3	567.0	825.7	712.8
87.5°	13.8	13.8	16.5	16.5	24.8	33.0	49.5	66.1	63.3	57.8	68.8
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°	867.0	867.0	867.0	867.0	867.0	867.0	*867.0*	867.0	867.0	867.0	867.0
2.5°	869.7	872.5	875.2	872.5	869.7	867.0	*867.0*	864.2	864.2	861.5	856.0
5°	770.6	809.2	847.7	850.5	853.2	853.2	*850.5*	847.7	842.2	839.4	833.9
7.5°	767.9	754.1	740.4	743.1	745.9	748.6	*748.6*	740.4	737.6	715.6	693.6
10°	616.5	602.8	589.0	597.2	605.5	635.8	*652.3*	646.8	641.3	602.8	561.5
12.5°	594.5	589.0	583.5	542.2	500.9	536.7	*561.5*	558.7	550.5	514.7	478.9
15°	509.2	511.9	511.9	558.7	605.5	635.8	*657.8*	652.3	646.8	602.8	558.7
17.5°	622.0	591.7	558.7	550.5	542.2	556.0	*536.7*	506.4	525.7	520.2	514.7
20°	630.3	556.0	478.9	556.0	633.0	652.3	*693.6*	690.8	682.6	644.0	605.5
22.5°	569.7	613.8	655.0	613.8	572.5	545.0	*531.2*	525.7	522.9	533.9	542.2
25°	699.1	616.5	531.2	633.0	732.1	754.1	*765.1*	756.9	754.1	704.6	655.0
27.5°	627.5	671.6	715.6	748.6	781.6	809.2	*891.7*	811.9	809.2	762.4	712.8
30°	751.4	798.2	845.0	930.3	1015.6	1062.4	*1078.9*	1073.4	1059.6	985.3	911.0
32.5°	789.9	883.5	974.3	1012.8	1048.6	1098.2	*1122.9*	1120.2	1106.4	1018.3	927.5
35°	861.5	930.3	999.1	1051.4	1100.9	1147.7	*1169.7*	1178.0	1161.5	1051.4	938.5
37.5°	880.7	968.8	1056.9	1111.9	1167.0	1202.7	*1222.0*	1246.8	1227.5	1095.4	960.5
40°	919.3	1023.9	1125.7	1180.7	1233.0	1266.1	*1299.1*	1329.4	1304.6	1145.0	982.6
42.5°	982.6	1089.9	1194.5	1257.8	1318.3	1365.1	*1403.7*	1445.0	1398.2	1191.7	982.6
45°	1076.1	1175.2	1274.3	1359.6	1442.2	1500.0	*1555.0*	1612.8	1519.3	1252.3	982.6
47.5°	1194.5	1290.8	1384.4	1519.3	1654.1	1706.4	*1772.5*	1827.5	1676.1	1329.4	982.6
50°	1345.9	1453.2	1560.5	1739.4	1915.6	1965.1	*2047.7*	2089.0	1885.3	1447.7	1007.3
52.5°	1522.0	1640.4	1756.0	1965.1	2174.3	2256.9	*2367.0*	2394.5	2097.2	1566.1	1032.1
55°	1706.4	1866.1	2022.9	2254.1	2482.6	2562.4	*2719.3*	2741.3	2369.7	1711.9	1051.4
57.5°	1940.4	2127.5	2311.9	2537.6	2760.5	2873.4	*3118.3*	3126.6	2686.2	1890.8	1092.7
60°	2160.5	2394.5	2625.7	2840.4	3055.0	3231.2	*3514.7*	3517.4	2983.5	2025.7	1065.1
62.5°	2422.0	2700.0	2975.2	3159.6	3344.0	3561.5	*3902.7*	3853.2	3192.7	2042.2	891.7
65°	2730.3	3016.5	3302.7	3459.6	3613.8	3861.5	*4230.3*	4040.4	3250.5	1948.6	644.0
67.5°	3046.8	3313.8	3580.7	3704.6	3828.4	4142.2	*4469.7*	4062.4	3165.1	1808.3	448.6
70°	*3283.5*	*3533.9*	*3784.4*	*3891.7*	*3999.1*	*4337.6*	*4541.3*	*3919.3*	*2925.7*	*1637.6*	*349.5*
72.5°	3500.9	3737.6	3971.6	4026.6	4078.9	4252.3	*4178.0*	3454.1	2466.0	1378.9	289.0
75°	3759.6	3911.0	4059.6	3960.5	3861.5	3627.5	*3206.4*	2518.3	1805.5	1026.6	247.7
77.5°	3878.0	3842.2	3803.7	3465.1	3126.6	2499.1	*1992.7*	1456.0	916.5	564.2	211.9
80°	3154.1	3011.0	2865.1	2298.2	1731.2	1183.5	*776.1*	492.7	335.8	253.2	170.6
82.5°	1846.8	1513.8	1180.7	867.0	553.2	388.1	*253.2*	200.9	156.9	148.6	137.6
85°	597.2	528.4	459.6	363.3	267.0	165.1	*96.3*	88.1	82.6	90.8	96.3
87.5°	79.8	79.8	77.1	57.8	35.8	19.3	*11.0*	8.3	8.3	11.0	11.0
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°	867.0	867.0	867.0	867.0	867.0	867.0	867.0	867.0	867.0	867.0	867.0
2.5°	856.0	853.2	850.5	847.7	845.0	839.4	817.4	795.4	787.2	776.1	767.9
5°	806.4	778.9	759.6	740.4	732.1	721.1	723.9	726.6	729.4	729.4	729.4
7.5°	699.1	704.6	707.3	707.3	715.6	721.1	726.6	729.4	718.3	707.3	693.6
10°	556.0	547.7	558.7	567.0	580.7	591.7	627.5	663.3	696.3	729.4	743.1
12.5°	506.4	533.9	511.9	489.9	533.9	575.2	624.8	674.3	704.6	732.1	707.3
15°	514.7	467.9	473.4	476.1	531.2	583.5	553.2	522.9	608.3	690.8	715.6
17.5°	506.4	498.2	528.4	556.0	503.7	451.4	525.7	597.2	635.8	674.3	663.3
20°	547.7	487.2	487.2	487.2	533.9	580.7	545.0	509.2	550.5	591.7	660.5
22.5°	567.0	589.0	545.0	498.2	528.4	558.7	558.7	556.0	602.8	646.8	635.8
25°	572.5	489.9	528.4	564.2	545.0	522.9	547.7	569.7	583.5	597.2	657.8
27.5°	655.0	597.2	553.2	506.4	542.2	578.0	569.7	561.5	572.5	583.5	597.2
30°	776.1	641.3	591.7	539.4	520.2	498.2	522.9	545.0	586.2	627.5	682.6
32.5°	811.9	693.6	613.8	531.2	528.4	522.9	531.2	536.7	583.5	627.5	704.6
35°	806.4	671.6	594.5	514.7	498.2	481.7	495.4	506.4	575.2	644.0	718.3
37.5°	800.9	638.5	558.7	478.9	467.9	454.1	467.9	481.7	533.9	586.2	655.0
40°	792.7	600.0	522.9	443.1	429.4	415.6	429.4	440.4	481.7	522.9	578.0
42.5°	773.4	561.5	484.4	404.6	393.6	379.8	390.8	401.8	437.6	473.4	506.4
45°	751.4	517.4	443.1	368.8	357.8	346.8	355.0	360.5	393.6	423.9	440.4
47.5°	726.6	470.6	401.8	333.0	322.0	311.0	319.3	324.8	349.5	374.3	379.8
50°	721.1	432.1	368.8	302.8	294.5	283.5	289.0	294.5	313.8	330.3	330.3
52.5°	710.1	385.3	333.0	278.0	272.5	264.2	267.0	269.7	283.5	297.2	294.5
55°	701.8	352.3	305.5	258.7	253.2	245.0	247.7	250.5	264.2	275.2	272.5
57.5°	710.1	324.8	283.5	239.4	233.9	228.4	233.9	239.4	253.2	267.0	267.0
60°	682.6	297.2	258.7	220.2	217.4	211.9	225.7	236.7	258.7	278.0	283.5
62.5°	583.5	272.5	239.4	206.4	209.2	209.2	233.9	256.0	286.2	313.8	319.3
65°	448.6	253.2	225.7	195.4	209.2	222.9	256.0	289.0	316.5	344.0	335.8
67.5°	344.0	239.4	217.4	192.7	222.9	250.5	280.7	311.0	324.8	335.8	322.0
70°	*289.0*	*225.7*	*209.2*	*189.9*	*220.2*	*250.5*	*280.7*	*311.0*	*316.5*	*322.0*	*308.3*
72.5°	253.2	214.7	198.2	181.7	206.4	231.2	267.0	300.0	305.5	308.3	294.5
75°	225.7	200.9	181.7	162.4	187.2	209.2	245.0	280.7	286.2	289.0	278.0
77.5°	198.2	184.4	162.4	140.4	165.1	189.9	222.9	256.0	264.2	272.5	258.7
80°	165.1	156.9	140.4	123.9	151.4	176.1	206.4	236.7	245.0	253.2	239.4
82.5°	132.1	126.6	115.6	104.6	132.1	159.6	189.9	217.4	225.7	231.2	214.7
85°	96.3	96.3	90.8	85.3	112.8	137.6	156.9	176.1	173.4	170.6	159.6
87.5°	13.8	13.8	19.3	24.8	33.0	38.5	49.5	57.8	60.6	60.6	46.8
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°	867.0	867.0	867.0	867.0
2.5°	759.6	759.6	756.9	762.4
5°	729.4	732.1	732.1	734.9
7.5°	679.8	666.1	649.5	652.3
10°	756.9	759.6	762.4	762.4
12.5°	679.8	668.8	655.0	657.8
15°	737.6	745.9	754.1	756.9
17.5°	649.5	646.8	644.0	641.3
20°	726.6	740.4	754.1	754.1
22.5°	624.8	624.8	624.8	627.5
25°	718.3	734.9	748.6	748.6
27.5°	608.3	646.8	685.3	715.6
30°	734.9	743.1	751.4	754.1
32.5°	778.9	820.2	858.7	867.0
35°	789.9	809.2	825.7	833.9
37.5°	723.9	740.4	756.9	767.9
40°	630.3	644.0	657.8	666.1
42.5°	536.7	539.4	542.2	556.0
45°	456.9	443.1	429.4	426.6
47.5°	382.6	363.3	344.0	341.3
50°	327.5	311.0	294.5	294.5
52.5°	289.0	278.0	267.0	267.0
55°	269.7	264.2	256.0	256.0
57.5°	267.0	264.2	261.5	261.5
60°	286.2	289.0	289.0	289.0
62.5°	322.0	324.8	324.8	324.8
65°	324.8	319.3	313.8	313.8
67.5°	308.3	300.0	291.7	286.2
70°	*291.7*	*286.2*	*278.0*	*269.7*
72.5°	278.0	272.5	264.2	256.0
75°	264.2	256.0	245.0	239.4
77.5°	245.0	239.4	231.2	225.7
80°	222.9	217.4	209.2	198.2
82.5°	198.2	200.9	200.9	173.4
85°	145.9	137.6	126.6	104.6
87.5°	30.3	27.5	22.0	19.3
90°	0.0	0.0	0.0	0.0

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