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: P560743

Luminaire Tested: **SDL-PA1-60-740-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560743
	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-PA1-60-740-U-T3
Description:	Springdale
	(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7466.5 lumens
Efficiency:	N/A
Efficacy:	119.7 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 - G2

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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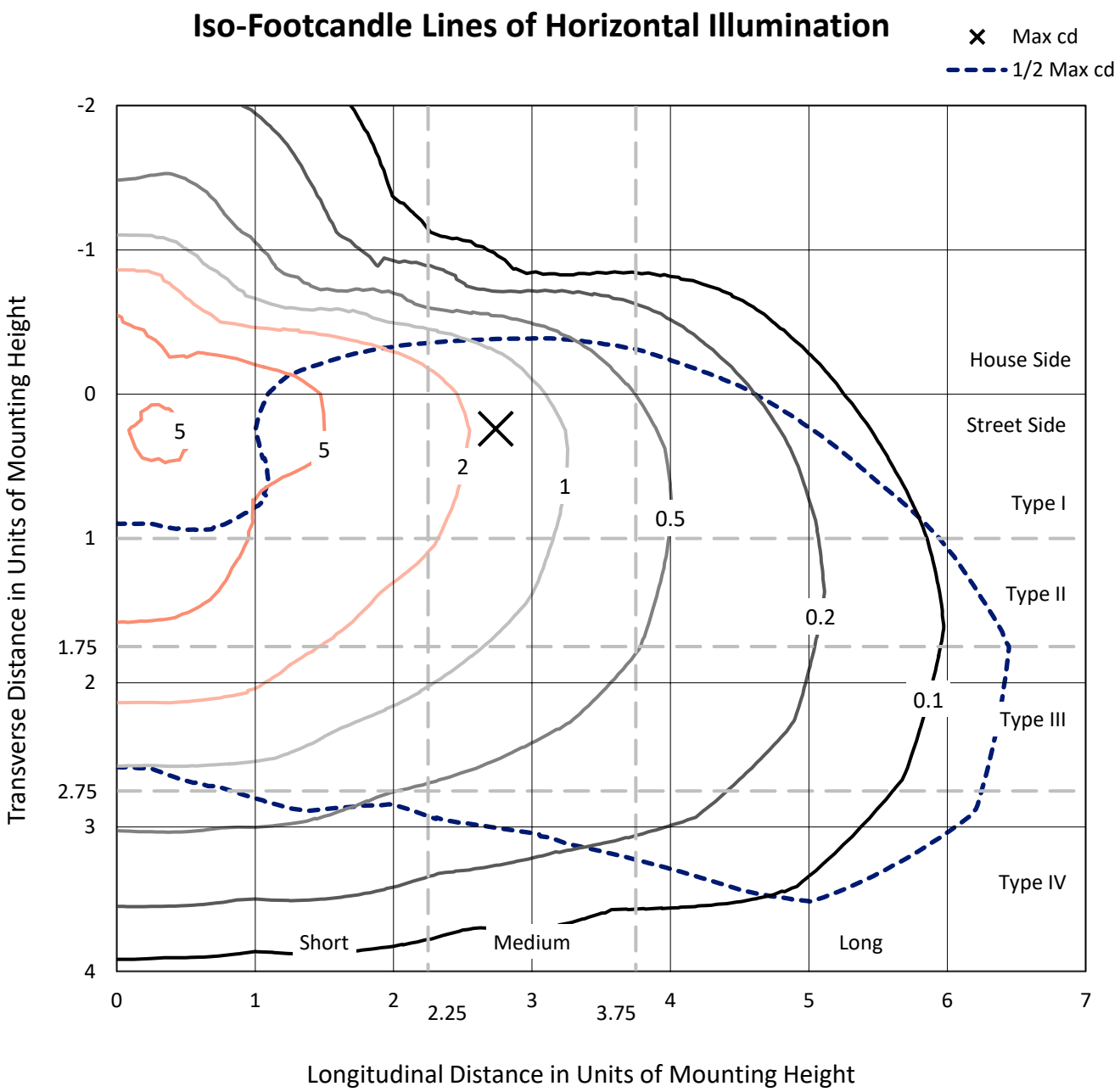

Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
Type IV - Medium - N/A

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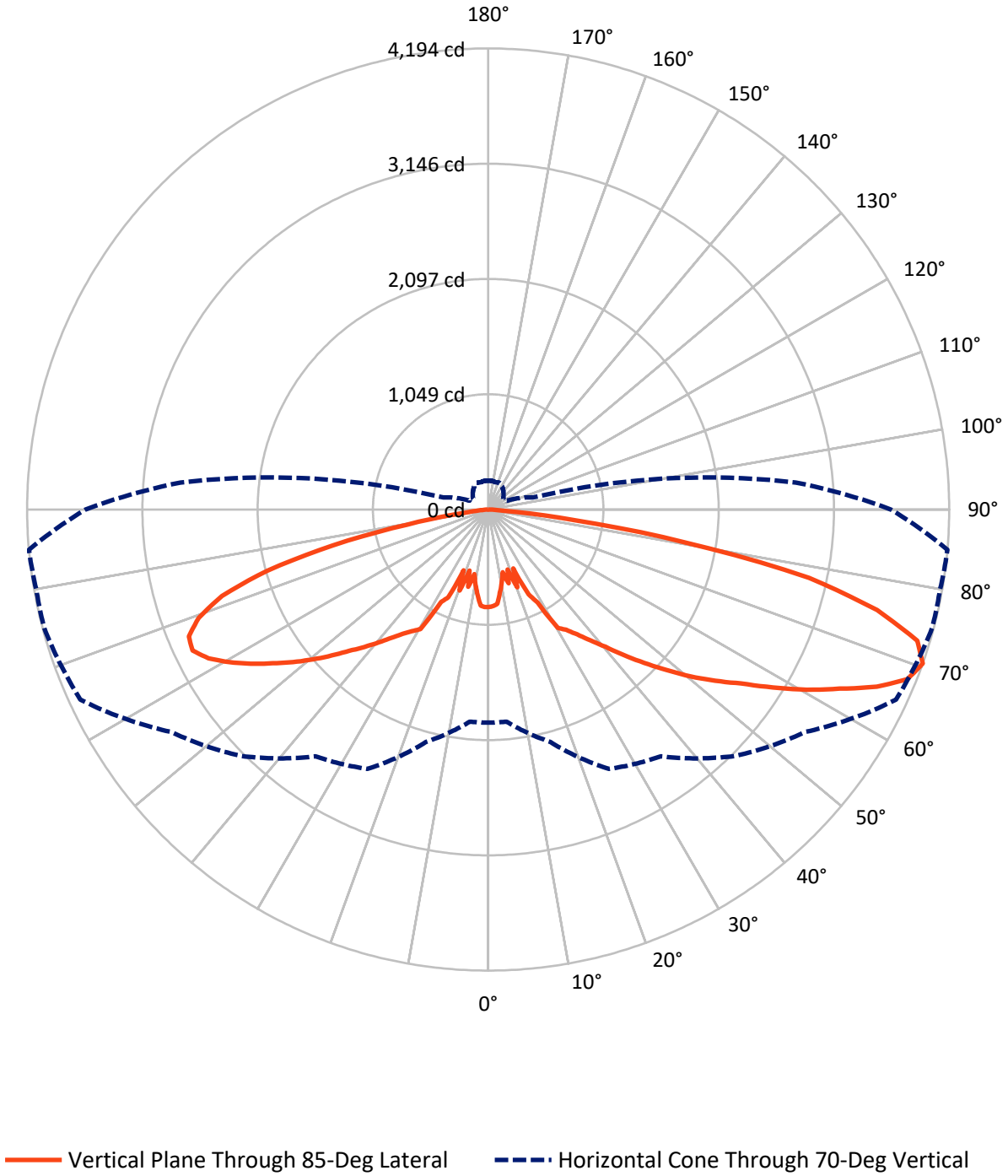
Luminous Intensity Polar Plot



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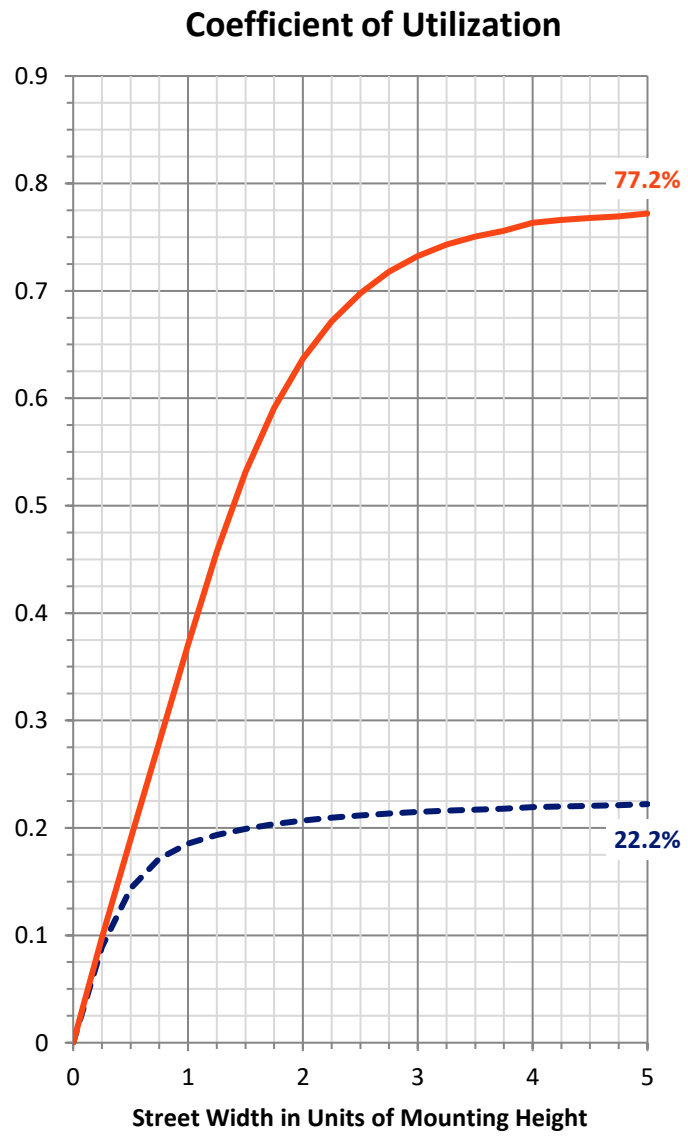
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1688.2	0.0	1688.2
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	5778.3	0.0	5778.3
	% Fixture	77.4	0.0	77.4
Total	Lumens	7466.5	0.0	7466.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	1.0
10°-20°	180.3	2.4
20°-30°	329.5	4.4
30°-40°	622.2	8.3
40°-50°	1013.6	13.6
50°-60°	1563.7	20.9
60°-70°	1916.7	25.7
70°-80°	1501.1	20.1
80°-90°	267.3	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°	7466.5	100.0
0°-180°	7466.5	100.0



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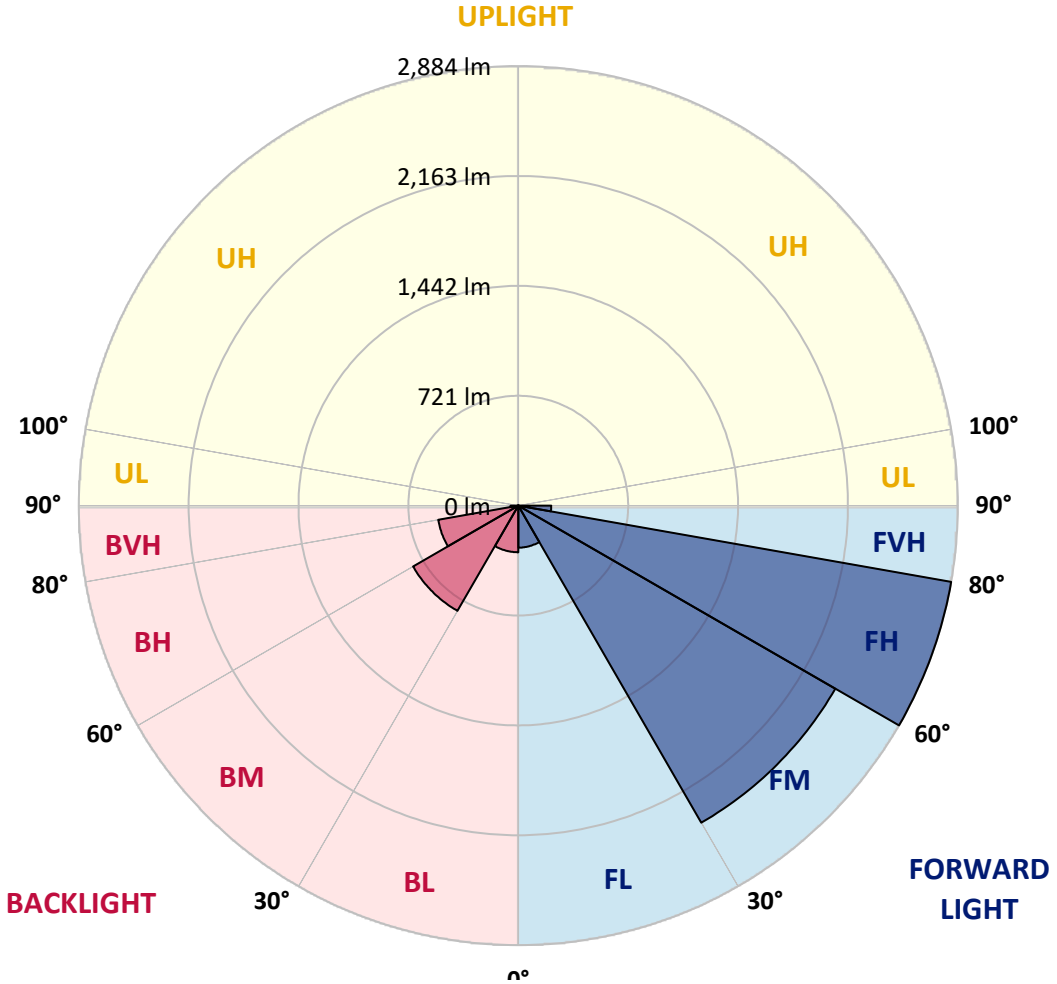
CATALOG NUMBER: SDL-PA1-60-740-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	275.7	3.7			
FM	(30°-60°)	2402.2	32.2			
FH	(60°-80°)	2884.1	38.6			G2/5000
FVH	(80°-90°)	216.5	2.9			G2/225
BL	(0°-30°)	306.2	4.1	B1/500		
BM	(30°-60°)	797.5	10.7	B1/1000		
BH	(60°-80°)	533.7	7.1	B2/1000		G2/1000
BVH	(80°-90°)	50.8	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type IV Medium



REPORT NUMBER: P560743
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	886.9	886.9	886.9	886.9	886.9	886.9	886.9	886.9	886.9	886.9	886.9
2.5°	731.4	796.9	796.9	796.9	810.5	821.4	826.9	829.6	840.5	848.7	854.2
5°	682.2	685.0	685.0	685.0	687.7	690.4	693.2	695.9	701.3	704.1	712.3
7.5°	573.1	584.0	605.8	624.9	638.6	652.2	663.1	671.3	676.8	682.2	685.0
10°	638.6	638.6	638.6	638.6	638.6	638.6	605.8	573.1	575.8	575.8	559.4
12.5°	534.9	551.3	575.8	597.6	616.7	633.1	611.3	589.5	548.5	507.6	507.6
15°	619.5	619.5	616.7	614.0	578.5	543.1	510.3	477.6	499.4	521.2	483.0
17.5°	532.1	534.9	567.6	597.6	592.2	584.0	554.0	521.2	469.4	414.8	469.4
20°	682.2	674.1	657.7	641.3	564.9	488.5	502.1	515.8	529.4	540.3	540.3
22.5°	627.7	633.1	644.0	655.0	646.8	635.9	556.7	477.6	524.0	570.4	529.4
25°	859.6	859.6	826.9	794.1	712.3	627.7	641.3	652.2	573.1	491.2	559.4
27.5°	794.1	788.7	775.0	758.7	775.0	788.7	717.7	644.0	665.9	687.7	630.4
30°	1056.1	1056.1	1042.5	1028.8	911.5	791.4	783.2	772.3	725.9	676.8	709.5
32.5°	1266.2	1263.5	1200.7	1138.0	1072.5	1004.3	933.3	859.6	854.2	848.7	843.3
35°	1517.3	1517.3	1481.8	1446.4	1301.7	1154.4	1069.8	985.2	960.6	936.0	955.1
37.5°	1659.2	1678.3	1664.7	1648.3	1490.0	1329.0	1211.7	1091.6	1067.0	1042.5	1050.7
40°	1855.7	1850.2	1847.5	1842.1	1659.2	1476.4	1350.8	1222.6	1206.2	1189.8	1189.8
42.5°	2153.2	2123.1	2090.4	2054.9	1869.3	1683.8	1544.6	1402.7	1372.7	1339.9	1342.7
45°	2562.5	2529.8	2453.3	2374.2	2185.9	1997.6	1812.0	1626.5	1574.6	1520.0	1514.6
47.5°	2813.6	2778.1	2739.9	2699.0	2497.0	2295.1	2104.0	1910.3	1833.9	1757.5	1727.4
50°	3072.8	3040.1	3010.1	2980.0	2802.7	2625.3	2434.2	2243.2	2123.1	2003.1	1951.2
52.5°	3318.4	3258.4	3228.4	3198.4	3048.3	2895.4	2696.2	2497.0	2407.0	2316.9	2205.0
55°	3438.5	3364.8	3353.9	3340.3	3228.4	3113.8	2922.7	2731.7	2630.7	2527.0	2415.1
57.5°	3269.3	3274.8	3334.8	3394.8	3332.1	3269.3	3089.2	2909.1	2808.1	2707.1	2622.5
60°	3116.5	3157.4	3231.1	3304.8	3310.2	3313.0	3217.5	3121.9	3010.1	2898.2	2832.7
62.5°	2906.4	2936.4	3051.0	3162.9	3247.5	3329.3	3231.1	3132.9	3094.7	3053.7	3012.8
65°	2622.5	2630.7	2761.7	2890.0	3042.8	3192.9	3116.5	3040.1	3105.6	3168.3	3173.8
67.5°	2276.0	2300.5	2428.8	2557.0	2742.6	2925.5	2922.7	2920.0	3059.2	3195.6	3291.1
70°	*1937.6*	*1937.6*	*2063.1*	*2188.6*	*2396.0*	*2603.4*	*2671.7*	*2739.9*	*2955.5*	*3171.1*	*3348.5*
72.5°	1460.0	1528.2	1593.7	1659.2	1891.2	2120.4	2270.5	2420.6	2742.6	3061.9	3332.1
75°	805.0	810.5	867.8	925.1	1157.1	1389.0	1615.6	1842.1	2273.2	2704.4	3130.1
77.5°	264.7	256.5	289.3	319.3	455.7	589.5	780.5	971.5	1446.4	1921.2	2606.2
80°	147.4	150.1	161.0	171.9	215.6	256.5	349.3	442.1	644.0	843.3	1656.5
82.5°	98.2	101.0	111.9	122.8	141.9	161.0	212.9	262.0	281.1	297.5	747.7
85°	62.8	65.5	71.0	76.4	81.9	84.6	120.1	155.6	141.9	128.3	223.8
87.5°	13.6	13.6	16.4	16.4	19.1	21.8	27.3	32.7	30.0	24.6	32.7
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°	886.9	886.9	886.9	886.9	886.9	886.9	*886.9*	886.9	886.9	886.9	886.9
2.5°	856.9	862.4	865.1	867.8	870.5	876.0	*878.7*	881.5	886.9	889.6	889.6
5°	720.4	769.6	816.0	832.3	848.7	856.9	*862.4*	870.5	876.0	881.5	886.9
7.5°	687.7	690.4	693.2	712.3	731.4	747.7	*764.1*	769.6	783.2	775.0	764.1
10°	540.3	543.1	543.1	562.2	581.3	638.6	*676.8*	685.0	693.2	660.4	624.9
12.5°	504.9	518.5	532.1	524.0	515.8	556.7	*584.0*	594.9	600.4	578.5	556.7
15°	442.1	455.7	466.7	529.4	592.2	646.8	*695.9*	709.5	725.9	690.4	652.2
17.5°	524.0	518.5	510.3	521.2	532.1	545.8	*573.1*	581.3	581.3	592.2	603.1
20°	540.3	480.3	420.3	532.1	644.0	693.2	*755.9*	777.8	783.2	753.2	723.2
22.5°	485.8	554.0	622.2	608.6	594.9	581.3	*581.3*	589.5	597.6	603.1	608.6
25°	624.9	567.6	510.3	641.3	772.3	824.2	*854.2*	867.8	878.7	840.5	799.6
27.5°	573.1	649.5	723.2	780.5	837.8	895.1	*957.9*	1017.9	944.2	908.7	873.3
30°	739.6	802.3	865.1	1001.5	1138.0	1211.7	*1249.9*	1249.9	1249.9	1198.0	1143.4
32.5°	837.8	947.0	1056.1	1129.8	1200.7	1274.4	*1304.4*	1304.4	1304.4	1241.7	1176.2
35°	971.5	1058.8	1146.2	1230.8	1315.4	1372.7	*1394.5*	1386.3	1369.9	1285.3	1200.7
37.5°	1058.8	1176.2	1293.5	1380.9	1465.5	1500.9	*1509.1*	1484.6	1460.0	1348.1	1233.5
40°	1189.8	1318.1	1443.6	1536.4	1629.2	1659.2	*1642.8*	1610.1	1566.4	1416.3	1266.2
42.5°	1342.7	1470.9	1599.2	1708.3	1814.8	1833.9	*1809.3*	1757.5	1681.0	1476.4	1269.0
45°	1509.1	1637.4	1762.9	1885.7	2008.5	2022.2	*1989.4*	1913.0	1801.1	1533.7	1266.2
47.5°	1694.7	1795.7	1896.6	2071.3	2245.9	2229.6	*2180.5*	2093.1	1945.8	1601.9	1255.3
50°	1899.4	1978.5	2054.9	2273.2	2491.6	2442.4	*2387.9*	2292.3	2098.6	1681.0	1260.8
52.5°	2090.4	2166.8	2243.2	2469.7	2693.5	2647.1	*2587.1*	2502.5	2254.1	1765.6	1274.4
55°	2303.3	2385.1	2467.0	2707.1	2947.3	2868.2	*2791.7*	2737.2	2407.0	1836.6	1266.2
57.5°	2535.2	2638.9	2742.6	2963.7	3182.0	3097.4	*3053.7*	2982.8	2576.2	1921.2	1266.2
60°	2767.2	2892.7	3018.2	3212.0	3405.8	3337.5	*3329.3*	3231.1	2734.4	1984.0	1230.8
62.5°	2971.9	3160.2	3348.5	3501.3	3651.4	3585.9	*3588.6*	3474.0	2881.8	1997.6	1110.7
65°	3179.3	3422.1	3662.3	3774.2	3886.1	3839.7	*3886.1*	3681.4	2980.0	1943.0	906.0
67.5°	3383.9	3651.4	3918.8	4003.4	4088.0	4060.7	*4115.3*	3749.6	2958.2	1801.1	641.3
70°	*3525.8*	*3809.6*	*4093.5*	*4137.1*	*4180.8*	*4175.3*	*4194.4*	*3665.0*	*2810.8*	*1618.3*	*423.0*
72.5°	3602.2	3869.7	4134.4	4153.5	4169.9	4161.7	*4082.5*	3400.3	2546.1	1419.1	292.0
75°	3553.1	3812.4	4071.6	4033.4	3995.2	3918.8	*3654.1*	2928.2	2087.7	1151.6	215.6
77.5°	3291.1	3572.2	3853.3	3755.1	3654.1	3430.3	*2985.5*	2194.1	1451.8	810.5	166.5
80°	2469.7	2816.3	3162.9	3045.5	2925.5	2453.3	*1817.5*	1228.0	750.5	439.4	128.3
82.5°	1195.3	1389.0	1582.8	1552.8	1522.8	1127.1	*785.9*	442.1	215.6	158.3	101.0
85°	316.6	469.4	622.2	594.9	567.6	300.2	*131.0*	114.6	84.6	79.1	71.0
87.5°	38.2	43.7	46.4	32.7	16.4	13.6	*13.6*	8.2	8.2	10.9	10.9
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°	886.9	886.9	886.9	886.9	886.9	886.9	886.9	886.9	886.9	886.9	886.9
2.5°	895.1	897.8	897.8	897.8	897.8	897.8	876.0	854.2	848.7	843.3	832.3
5°	862.4	835.1	816.0	796.9	796.9	794.1	802.3	810.5	816.0	818.7	821.4
7.5°	766.8	769.6	785.9	799.6	813.2	824.2	832.3	837.8	832.3	824.2	791.4
10°	627.7	630.4	644.0	655.0	674.1	690.4	736.8	780.5	832.3	884.2	897.8
12.5°	597.6	635.9	614.0	592.2	652.2	709.5	769.6	826.9	867.8	906.0	878.7
15°	608.6	564.9	573.1	581.3	655.0	728.6	685.0	638.6	747.7	856.9	881.5
17.5°	605.8	605.8	646.8	687.7	619.5	548.5	649.5	747.7	791.4	832.3	799.6
20°	646.8	567.6	597.6	624.9	679.5	731.4	687.7	644.0	660.4	676.8	783.2
22.5°	674.1	736.8	668.6	597.6	646.8	695.9	687.7	679.5	728.6	777.8	750.5
25°	704.1	605.8	655.0	701.3	646.8	589.5	633.1	674.1	660.4	646.8	731.4
27.5°	807.8	739.6	676.8	614.0	646.8	676.8	644.0	608.6	622.2	635.9	630.4
30°	977.0	807.8	728.6	649.5	608.6	564.9	567.6	570.4	586.7	603.1	649.5
32.5°	1020.6	865.1	750.5	635.9	608.6	581.3	556.7	529.4	554.0	578.5	633.1
35°	1031.6	859.6	736.8	614.0	570.4	526.7	510.3	493.9	534.9	575.8	624.9
37.5°	1026.1	816.0	685.0	554.0	521.2	488.5	480.3	469.4	496.7	521.2	556.7
40°	1012.4	758.7	627.7	496.7	469.4	442.1	436.6	431.2	450.3	469.4	491.2
42.5°	987.9	704.1	573.1	442.1	423.0	403.9	398.4	390.2	406.6	423.0	431.2
45°	957.9	649.5	526.7	401.2	387.5	371.1	363.0	352.0	368.4	382.1	384.8
47.5°	927.9	597.6	485.8	371.1	360.2	346.6	338.4	327.5	341.1	352.0	354.8
50°	903.3	543.1	442.1	341.1	330.2	319.3	311.1	302.9	316.6	327.5	327.5
52.5°	889.6	502.1	403.9	305.6	300.2	294.7	292.0	286.5	297.5	308.4	311.1
55°	856.9	444.8	360.2	272.9	275.6	275.6	272.9	267.4	289.3	308.4	316.6
57.5°	821.4	376.6	313.8	248.3	253.8	259.3	262.0	264.7	289.3	311.1	322.0
60°	775.0	319.3	272.9	226.5	234.7	240.1	253.8	264.7	286.5	308.4	313.8
62.5°	693.2	272.9	240.1	207.4	218.3	229.2	245.6	262.0	278.4	294.7	294.7
65°	573.1	237.4	215.6	191.0	207.4	221.0	240.1	259.3	272.9	283.8	281.1
67.5°	428.4	212.9	196.5	177.4	196.5	212.9	229.2	245.6	262.0	278.4	272.9
70°	*308.4*	*191.0*	*180.1*	*166.5*	*182.8*	*199.2*	*215.6*	*232.0*	*248.3*	*264.7*	*262.0*
72.5°	234.7	174.7	163.7	152.8	169.2	182.8	201.9	221.0	237.4	253.8	248.3
75°	188.3	158.3	150.1	139.2	155.6	171.9	191.0	207.4	223.8	240.1	234.7
77.5°	155.6	141.9	133.7	125.5	139.2	152.8	171.9	191.0	207.4	221.0	215.6
80°	125.5	120.1	114.6	106.4	122.8	136.4	155.6	171.9	185.6	199.2	191.0
82.5°	98.2	95.5	92.8	87.3	101.0	114.6	133.7	152.8	163.7	174.7	169.2
85°	73.7	73.7	71.0	68.2	79.1	87.3	98.2	106.4	117.3	125.5	120.1
87.5°	10.9	10.9	16.4	19.1	19.1	19.1	27.3	35.5	35.5	32.7	27.3
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°	886.9	886.9	886.9	886.9
2.5°	821.4	821.4	821.4	824.2
5°	824.2	826.9	826.9	832.3
7.5°	755.9	753.2	750.5	750.5
10°	908.7	914.2	916.9	922.4
12.5°	848.7	816.0	783.2	783.2
15°	906.0	911.5	914.2	919.7
17.5°	766.8	764.1	761.4	755.9
20°	886.9	892.4	895.1	895.1
22.5°	723.2	723.2	720.4	720.4
25°	816.0	816.0	816.0	821.4
27.5°	622.2	641.3	660.4	685.0
30°	695.9	698.6	701.3	701.3
32.5°	687.7	723.2	758.7	764.1
35°	674.1	674.1	671.3	674.1
37.5°	592.2	584.0	573.1	578.5
40°	510.3	491.2	472.1	469.4
42.5°	439.4	423.0	403.9	403.9
45°	387.5	376.6	363.0	357.5
47.5°	354.8	343.9	332.9	330.2
50°	324.7	313.8	302.9	302.9
52.5°	313.8	305.6	294.7	292.0
55°	324.7	308.4	292.0	286.5
57.5°	330.2	311.1	292.0	283.8
60°	316.6	305.6	292.0	281.1
62.5°	292.0	286.5	281.1	275.6
65°	275.6	275.6	272.9	267.4
67.5°	267.4	270.2	270.2	264.7
70°	*256.5*	*262.0*	*264.7*	*259.3*
72.5°	242.9	245.6	245.6	237.4
75°	226.5	223.8	221.0	215.6
77.5°	207.4	204.7	199.2	193.8
80°	182.8	180.1	177.4	169.2
82.5°	161.0	166.5	169.2	139.2
85°	111.9	101.0	90.1	73.7
87.5°	21.8	16.4	8.2	8.2
90°	0.0	0.0	0.0	0.0

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