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: P560387

Luminaire Tested: **SDL-PA1-40-740-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560387
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-40-740-U-T2U
Description:	Springdale
	(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5016.8 lumens
Efficiency:	N/A
Efficacy:	127.3 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G2

Input Watts (W):	39.4
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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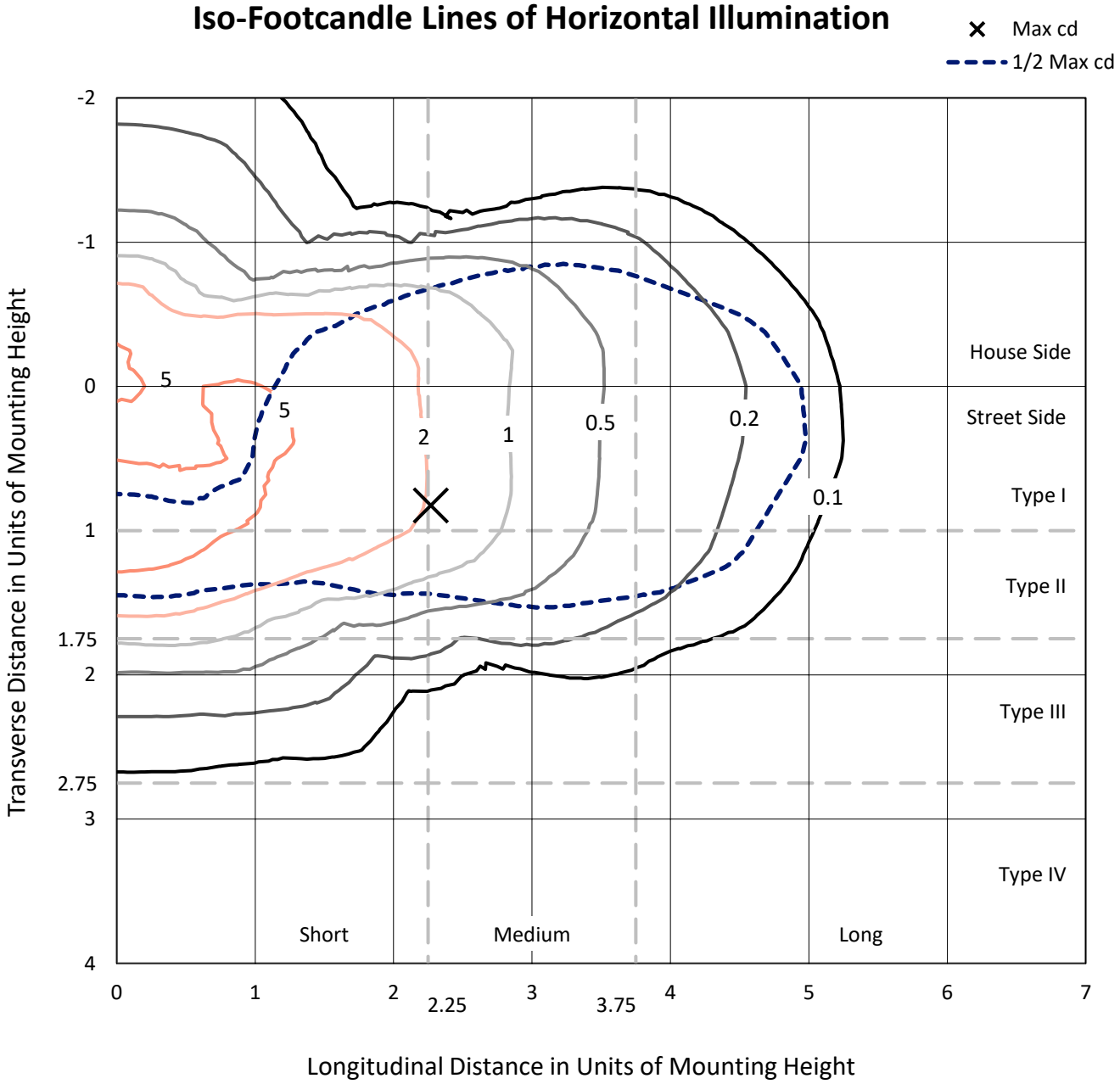
Iso-Footcandle Lines of Horizontal Illumination



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

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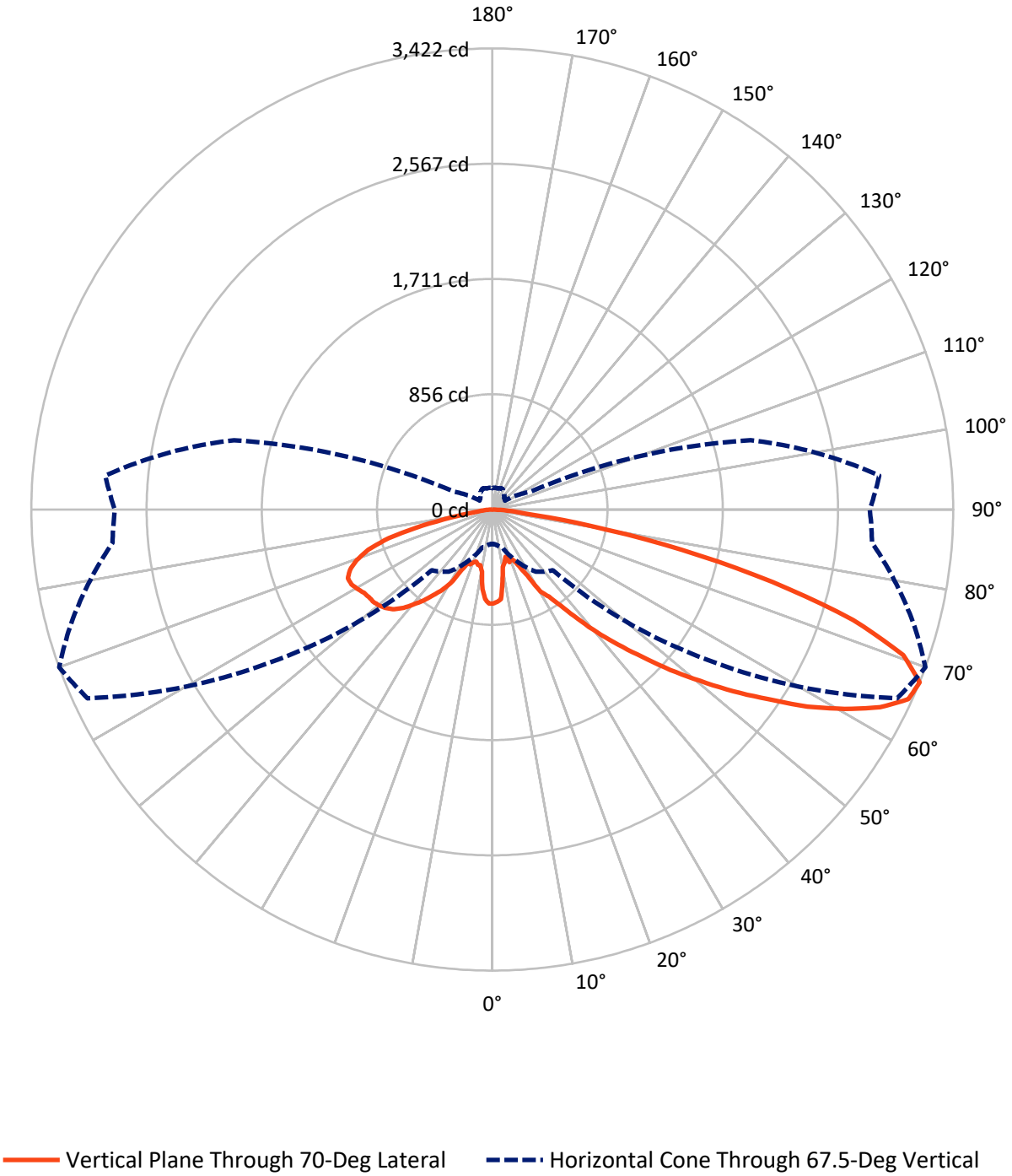
Luminous Intensity Polar Plot



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Scaled Data Report

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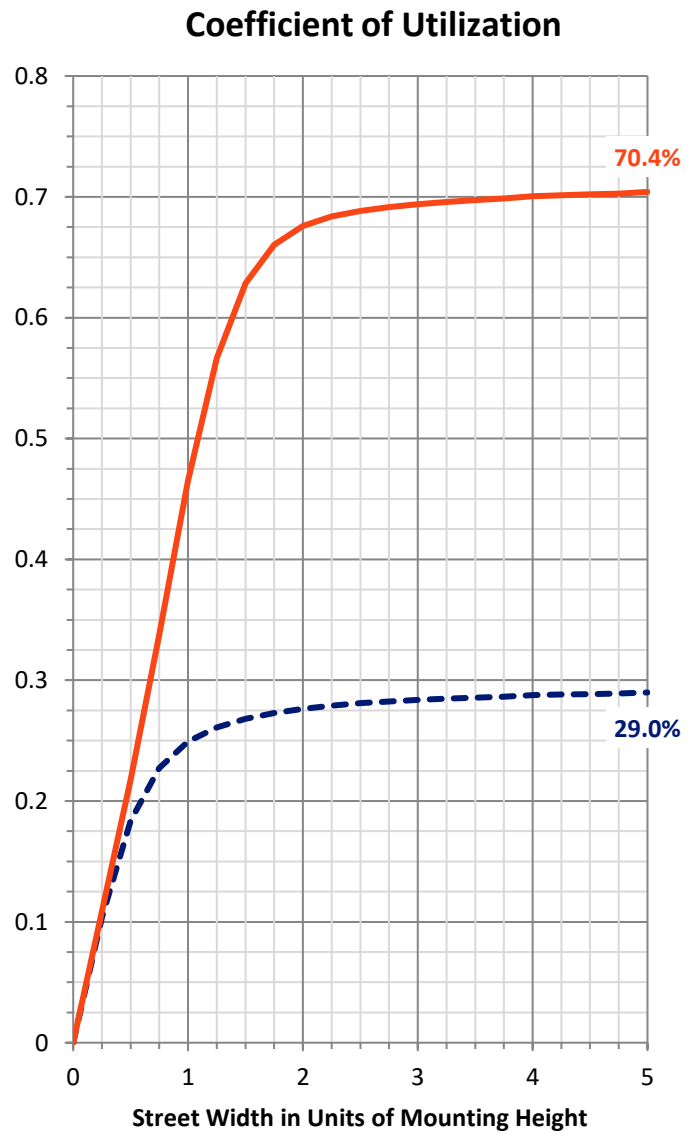
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1471.2	0.0	1471.2
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	3545.6	0.0	3545.6
	% Fixture	70.7	0.0	70.7
Total	Lumens	5016.8	0.0	5016.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	1.1
10°-20°	131.4	2.6
20°-30°	233.4	4.7
30°-40°	493.3	9.8
40°-50°	903.1	18.0
50°-60°	1232.0	24.6
60°-70°	1161.5	23.2
70°-80°	702.9	14.0
80°-90°	103.3	2.1
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°	5016.8	100.0
0°-180°	5016.8	100.0



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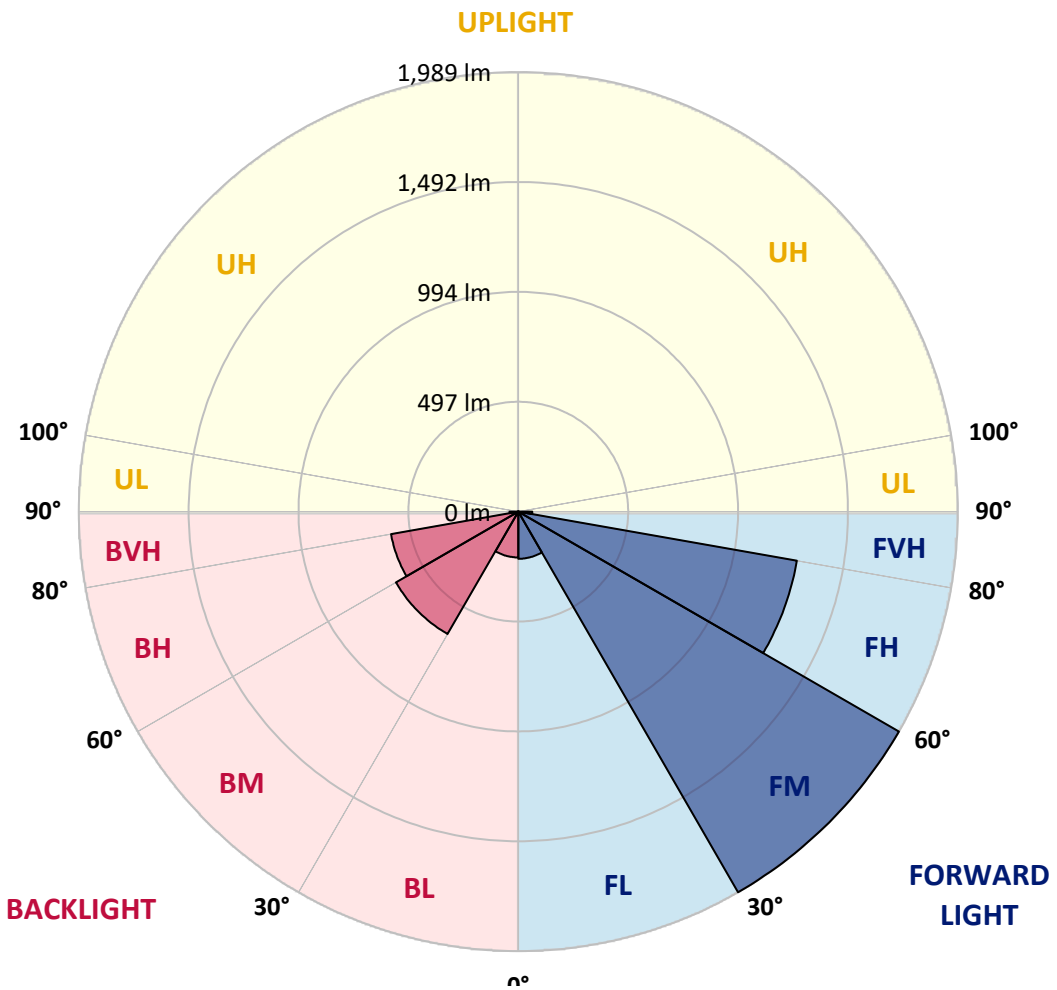
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	213.5	4.3			
FM	(30°-60°)	1988.9	39.6			
FH	(60°-80°)	1279.9	25.5			G1/1800
FVH	(80°-90°)	63.3	1.3			G1/100
BL	(0°-30°)	207.2	4.1	B1/500		
BM	(30°-60°)	639.5	12.7	B1/1000		
BH	(60°-80°)	584.5	11.7	B2/1000		G2/1000
BVH	(80°-90°)	39.9	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-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5
2.5°	586.6	592.0	628.1	664.2	666.0	666.0	667.8	669.7	675.1	678.7	682.3
5°	546.9	550.5	550.5	550.5	552.3	554.1	555.9	555.9	559.5	561.4	565.0
7.5°	458.5	494.6	507.2	518.0	525.3	530.7	534.3	537.9	541.5	545.1	548.7
10°	521.6	521.6	523.4	523.4	523.4	521.6	485.5	447.6	465.7	483.7	456.7
12.5°	429.6	436.8	469.3	500.0	509.0	516.2	498.2	478.3	445.8	413.3	409.7
15°	510.8	510.8	510.8	509.0	476.5	442.2	407.9	371.8	393.5	415.1	382.7
17.5°	442.2	442.2	469.3	494.6	492.8	489.2	458.5	426.0	375.4	323.1	364.6
20°	557.7	555.9	546.9	536.1	469.3	402.5	417.0	431.4	435.0	436.8	424.2
22.5°	498.2	500.0	510.8	521.6	523.4	525.3	447.6	368.2	413.3	458.5	415.1
25°	693.1	689.5	673.3	655.2	581.2	505.4	519.8	534.3	460.3	384.5	431.4
27.5°	658.8	648.0	640.8	633.6	646.2	658.8	590.2	519.8	536.1	552.3	492.8
30°	942.2	942.2	924.2	904.3	792.4	678.7	660.6	642.6	599.3	554.1	565.0
32.5°	1193.1	1193.1	1126.3	1057.7	990.9	924.2	835.7	747.3	729.2	709.4	691.3
35°	1501.8	1492.7	1454.8	1415.1	1270.7	1126.3	1012.6	898.9	862.8	826.7	808.6
37.5°	1790.5	1770.7	1718.3	1664.2	1512.6	1359.2	1209.3	1059.5	1019.8	980.1	940.4
40°	2028.8	2018.0	1981.9	1944.0	1772.5	1601.0	1431.4	1259.9	1207.5	1155.2	1097.4
42.5°	2247.2	2238.2	2205.7	2171.4	2001.7	1830.3	1669.6	1507.2	1429.6	1351.9	1283.3
45°	2407.9	2393.4	2371.8	2348.3	2212.9	2075.7	1913.3	1749.0	1718.3	1687.7	1554.1
47.5°	2458.4	2433.1	2429.5	2425.9	2317.6	2209.3	2079.3	1949.4	1954.8	1960.2	1805.0
50°	2384.4	2346.5	2362.7	2379.0	2335.7	2290.5	2189.5	2088.4	2133.5	2176.8	2054.1
52.5°	2115.4	2106.4	2147.9	2187.6	2198.5	2209.3	2187.6	2164.2	2247.2	2330.2	2285.1
55°	1745.4	1785.1	1842.9	1900.7	1945.8	1989.1	2052.3	2115.4	2258.0	2400.6	2433.1
57.5°	1375.4	1416.9	1483.7	1550.5	1602.8	1655.2	1785.1	1915.1	2129.9	2344.7	2490.9
60°	926.0	969.3	1079.4	1187.7	1261.7	1335.7	1453.0	1570.3	1841.1	2111.8	2407.9
62.5°	617.3	602.9	694.9	785.2	904.3	1023.4	1075.8	1126.3	1409.7	1691.3	2169.6
65°	379.0	380.9	417.0	451.2	583.0	713.0	754.5	794.2	954.8	1115.5	1767.1
67.5°	*254.5*	*259.9*	*276.2*	*292.4*	*355.6*	*418.8*	*491.0*	*563.2*	*601.1*	*637.2*	*1288.8*
70°	225.6	227.4	234.6	241.9	259.9	278.0	344.8	411.5	389.9	366.4	731.0
72.5°	198.5	200.4	213.0	223.8	232.8	241.9	281.6	321.3	296.0	270.7	364.6
75°	162.4	167.9	180.5	191.3	209.4	225.6	234.6	243.7	231.0	216.6	234.6
77.5°	133.6	137.2	146.2	155.2	173.3	189.5	198.5	207.6	187.7	167.9	178.7
80°	104.7	106.5	113.7	120.9	135.4	148.0	158.8	167.9	149.8	130.0	135.4
82.5°	63.2	65.0	75.8	84.8	97.5	108.3	115.5	120.9	126.3	130.0	113.7
85°	34.3	34.3	41.5	48.7	50.5	52.3	59.6	65.0	81.2	95.7	83.0
87.5°	5.4	5.4	7.2	7.2	10.8	12.6	14.4	14.4	16.2	16.2	18.0
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°	698.5	698.5	698.5	*698.5*	698.5	698.5	698.5	698.5	698.5	698.5	698.5
2.5°	684.1	685.9	685.9	*685.9*	687.7	689.5	691.3	691.3	693.1	694.9	696.7
5°	568.6	615.5	660.6	*667.8*	673.3	676.9	680.5	682.3	685.9	689.5	691.3
7.5°	552.3	552.3	552.3	*539.7*	586.6	592.0	597.5	601.1	604.7	601.1	595.6
10°	427.8	427.8	426.0	*429.6*	449.4	483.7	516.2	519.8	523.4	494.6	463.9
12.5°	404.3	409.7	415.1	*406.1*	370.0	400.7	431.4	436.8	438.6	413.3	386.3
15°	348.4	350.2	352.0	*364.6*	438.6	469.3	500.0	505.4	510.8	483.7	454.9
17.5°	404.3	391.7	377.2	*411.5*	382.7	402.5	420.6	377.2	417.0	409.7	402.5
20°	411.5	368.2	323.1	*384.5*	449.4	480.1	509.0	512.6	514.4	492.8	469.3
22.5°	371.8	413.3	454.9	*413.3*	388.1	384.5	380.9	379.0	380.9	393.5	404.3
25°	478.3	426.0	373.6	*469.3*	528.9	543.3	557.7	550.5	546.9	519.8	492.8
27.5°	433.2	474.7	514.4	*554.1*	572.2	592.0	610.1	615.5	586.6	557.7	528.9
30°	574.0	599.3	622.7	*703.9*	763.5	781.6	799.6	781.6	770.7	734.6	696.7
32.5°	671.5	722.0	772.5	*770.7*	826.7	841.1	853.8	830.3	810.4	770.7	729.2
35°	790.6	823.1	855.6	*873.6*	929.6	935.0	940.4	909.7	880.8	833.9	787.0
37.5°	900.7	942.2	981.9	*1027.0*	1075.8	1064.9	1052.3	1014.4	967.5	931.4	895.3
40°	1037.9	1088.4	1138.9	*1196.7*	1225.6	1209.3	1191.3	1133.5	1088.4	1050.5	1012.6
42.5°	1213.0	1267.1	1319.4	*1370.0*	1380.8	1362.8	1342.9	1279.7	1211.1	1173.2	1133.5
45°	1418.7	1462.0	1505.4	*1557.7*	1579.4	1546.9	1512.6	1433.2	1351.9	1297.8	1243.6
47.5°	1648.0	1667.8	1687.7	*1777.9*	1806.8	1752.6	1696.7	1610.1	1496.3	1425.9	1353.7
50°	1931.3	1925.9	1918.7	*1998.1*	2064.9	1974.7	1882.6	1781.5	1669.6	1570.3	1469.3
52.5°	2240.0	2187.6	2133.5	*2240.0*	2272.5	2164.2	2055.9	1947.6	1835.7	1707.5	1577.6
55°	2465.6	2436.7	2407.9	*2483.7*	2480.1	2353.7	2225.6	2097.4	2005.3	1833.9	1662.4
57.5°	2635.3	2660.6	2684.0	*2759.8*	2673.2	2528.8	2384.4	2256.2	2176.8	1962.0	1747.2
60°	2702.1	2832.0	2960.2	*3005.3*	2873.5	2711.1	2546.8	2420.5	2353.7	2093.8	1833.9
62.5°	2647.9	2934.9	3221.9	*3230.9*	3057.7	2875.3	2693.0	2590.2	2555.9	2236.4	1915.1
65°	2418.7	2891.6	3362.7	*3395.2*	3200.2	3008.9	2815.8	2740.0	2761.6	2370.0	1976.5
67.5°	*1938.6*	*2628.1*	*3315.8*	*3422.3*	*3234.5*	*3032.4*	*2830.2*	*2803.1*	*2884.4*	*2434.9*	*1985.5*
70°	1095.6	2019.8	2942.1	*3238.2*	3138.9	2938.5	2736.4	2749.0	2869.9	2398.8	1927.7
72.5°	456.7	1397.1	2337.5	*2801.3*	2888.0	2718.3	2546.8	2593.8	2676.8	2229.2	1779.7
75°	252.7	891.7	1530.6	*2147.9*	2415.1	2370.0	2323.0	2375.4	2335.7	1902.5	1469.3
77.5°	187.7	481.9	776.1	*1438.6*	1817.6	1920.5	2021.6	2046.9	1824.8	1389.8	954.8
80°	140.8	229.2	315.9	*734.6*	974.7	1158.8	1342.9	1229.2	1074.0	750.9	427.8
82.5°	97.5	131.8	166.1	*236.5*	379.0	436.8	492.8	469.3	352.0	247.3	140.8
85°	68.6	86.6	104.7	*130.0*	162.4	130.0	97.5	79.4	92.1	84.8	77.6
87.5°	18.0	18.0	16.2	*18.0*	12.6	10.8	9.0	7.2	7.2	7.2	7.2
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5
2.5°	698.5	700.3	700.3	700.3	700.3	698.5	689.5	680.5	658.8	637.2	629.9
5°	667.8	644.4	626.3	608.3	608.3	608.3	611.9	615.5	617.3	619.1	620.9
7.5°	595.6	593.8	601.1	608.3	613.7	619.1	622.7	626.3	619.1	611.9	595.6
10°	465.7	465.7	474.7	481.9	494.6	507.2	543.3	579.4	610.1	640.8	646.2
12.5°	422.4	456.7	436.8	415.1	460.3	505.4	545.1	583.0	613.7	642.6	619.1
15°	424.2	391.7	398.9	406.1	454.9	503.6	467.5	429.6	501.8	572.2	588.4
17.5°	404.3	406.1	438.6	471.1	422.4	371.8	435.0	498.2	525.3	550.5	527.1
20°	415.1	359.2	397.1	435.0	469.3	501.8	469.3	435.0	444.0	453.1	514.4
22.5°	438.6	472.9	440.4	407.9	447.6	485.5	469.3	453.1	481.9	509.0	483.7
25°	436.8	379.0	433.2	487.3	451.2	413.3	433.2	453.1	438.6	422.4	469.3
27.5°	503.6	478.3	463.9	447.6	467.5	487.3	445.8	404.3	404.3	404.3	398.9
30°	629.9	563.2	534.3	503.6	454.9	406.1	391.7	377.2	379.0	380.9	407.9
32.5°	703.9	678.7	592.0	505.4	460.3	415.1	377.2	339.3	342.9	346.6	380.9
35°	768.9	749.1	633.6	516.2	442.2	366.4	333.9	299.6	315.9	330.3	359.2
37.5°	842.9	788.8	631.7	472.9	393.5	314.1	294.2	274.4	285.2	294.2	312.3
40°	909.7	805.0	615.5	424.2	344.8	263.5	254.5	243.7	252.7	261.7	272.6
42.5°	981.9	828.5	592.0	353.8	290.6	227.4	223.8	220.2	229.2	238.3	245.5
45°	1037.9	832.1	561.4	288.8	247.3	205.8	205.8	204.0	213.0	220.2	223.8
47.5°	1074.0	792.4	512.6	231.0	213.0	194.9	196.7	196.7	204.0	209.4	211.2
50°	1099.2	727.4	465.7	204.0	194.9	185.9	185.9	185.9	193.1	198.5	202.2
52.5°	1117.3	655.2	422.4	187.7	184.1	178.7	178.7	176.9	185.9	194.9	196.7
55°	1122.7	581.2	379.0	175.1	171.5	167.9	171.5	173.3	184.1	193.1	194.9
57.5°	1135.3	523.4	342.9	162.4	160.6	158.8	164.3	169.7	180.5	191.3	191.3
60°	1160.6	485.5	317.7	149.8	149.8	149.8	158.8	166.1	176.9	187.7	185.9
62.5°	1184.1	451.2	294.2	137.2	139.0	140.8	151.6	162.4	173.3	184.1	182.3
65°	1187.7	397.1	261.7	126.3	130.0	131.8	144.4	157.0	167.9	178.7	175.1
67.5°	*1148.0*	*310.5*	*213.0*	*115.5*	*120.9*	*124.5*	*139.0*	*151.6*	*162.4*	*171.5*	*167.9*
70°	1075.8	222.0	164.3	106.5	111.9	115.5	130.0	142.6	151.6	160.6	157.0
72.5°	969.3	158.8	128.2	97.5	101.1	104.7	117.3	130.0	140.8	149.8	146.2
75°	799.6	128.2	108.3	88.4	92.1	93.9	106.5	117.3	128.2	137.2	131.8
77.5°	530.7	104.7	92.1	79.4	81.2	83.0	93.9	102.9	111.9	119.1	115.5
80°	256.3	84.8	77.6	68.6	70.4	70.4	79.4	88.4	95.7	101.1	99.3
82.5°	104.7	66.8	61.4	56.0	56.0	56.0	65.0	72.2	79.4	84.8	81.2
85°	65.0	52.3	48.7	43.3	41.5	39.7	43.3	46.9	50.5	52.3	50.5
87.5°	9.0	9.0	10.8	12.6	10.8	7.2	10.8	14.4	14.4	12.6	10.8
90°	0.0	0.0	5.4	5.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	698.5	698.5	698.5	698.5
2.5°	622.7	622.7	622.7	626.3
5°	620.9	620.9	620.9	624.5
7.5°	579.4	561.4	543.3	545.1
10°	649.8	651.6	651.6	653.4
12.5°	593.8	565.0	536.1	539.7
15°	604.7	604.7	602.9	604.7
17.5°	503.6	494.6	485.5	485.5
20°	575.8	575.8	575.8	575.8
22.5°	458.5	456.7	454.9	456.7
25°	516.2	518.0	518.0	516.2
27.5°	393.5	417.0	438.6	440.4
30°	433.2	433.2	433.2	433.2
32.5°	415.1	433.2	451.2	453.1
35°	386.3	384.5	382.7	388.1
37.5°	328.5	324.9	321.3	321.3
40°	283.4	276.2	268.9	268.9
42.5°	250.9	245.5	238.3	236.5
45°	227.4	222.0	214.8	214.8
47.5°	211.2	207.6	204.0	202.2
50°	204.0	200.4	196.7	196.7
52.5°	198.5	196.7	193.1	193.1
55°	194.9	193.1	189.5	189.5
57.5°	191.3	189.5	185.9	185.9
60°	184.1	182.3	180.5	180.5
62.5°	178.7	176.9	175.1	175.1
65°	171.5	171.5	169.7	167.9
67.5°	*162.4*	*162.4*	*162.4*	*158.8*
70°	151.6	151.6	151.6	148.0
72.5°	140.8	140.8	139.0	133.6
75°	126.3	124.5	122.7	119.1
77.5°	111.9	108.3	104.7	102.9
80°	95.7	92.1	88.4	84.8
82.5°	75.8	74.0	70.4	61.4
85°	46.9	41.5	34.3	30.7
87.5°	9.0	7.2	5.4	1.8
90°	0.0	0.0	0.0	0.0

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