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: P561038

Luminaire Tested: **SDL-PA1-80-727-U-SL3-HSS**

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:	P561038
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-80-727-U-SL3-HSS
Description:	Springdale
	(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6515.6 lumens
Efficiency:	N/A
Efficacy:	79.5 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:	B1 - U0 - G2

Input Watts (W):	82
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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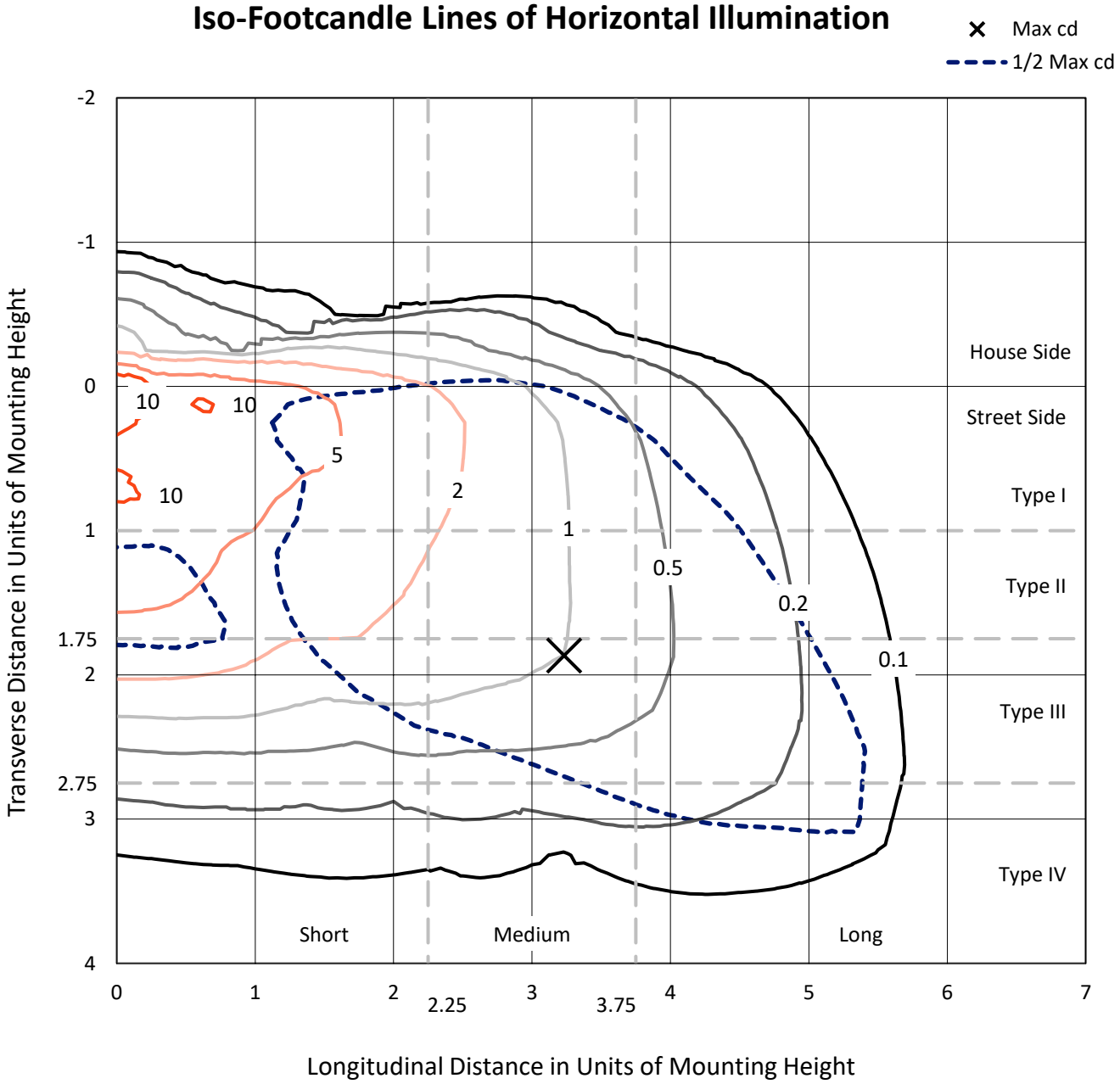
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 18.6 fc
Type IV - Medium - N/A

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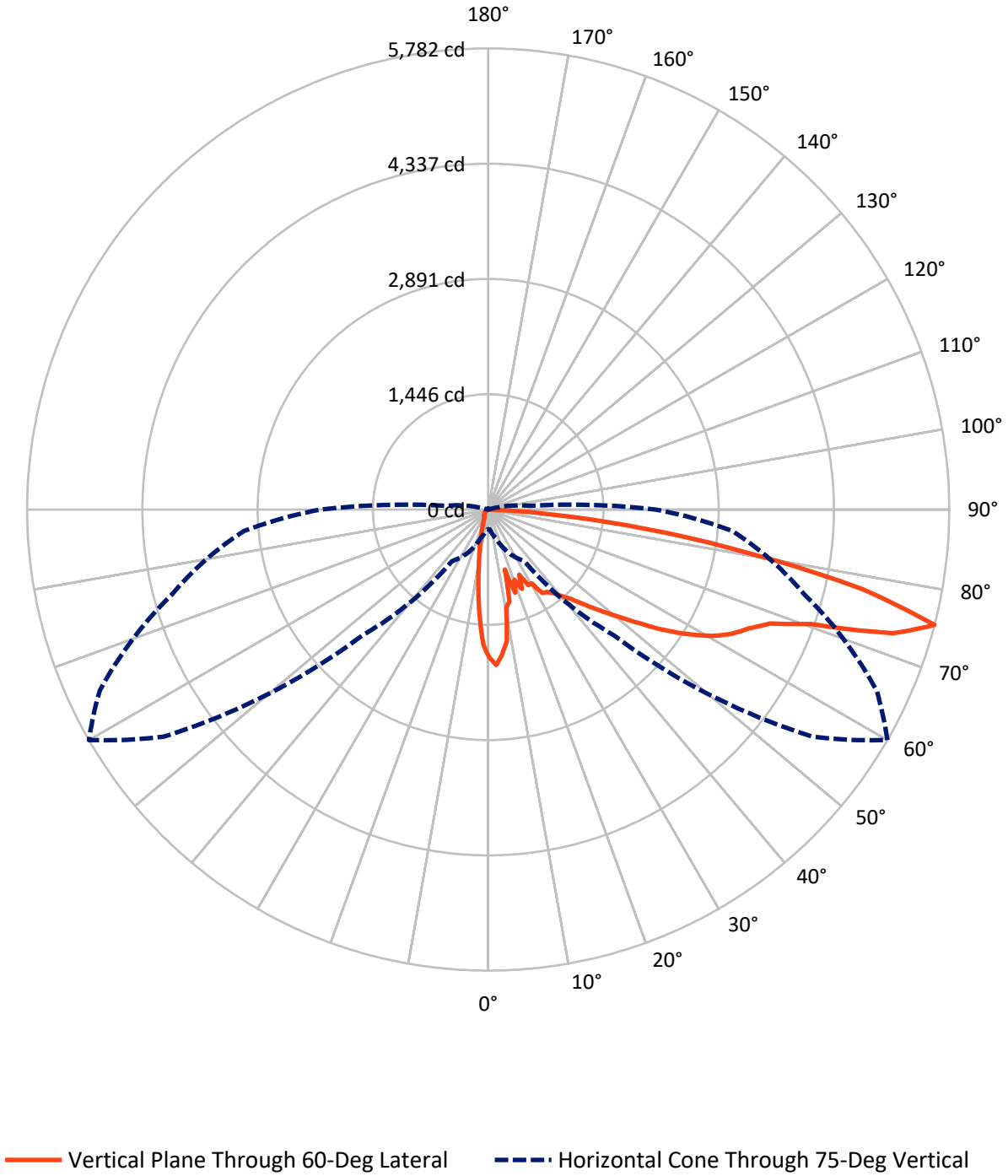
Luminous Intensity Polar Plot



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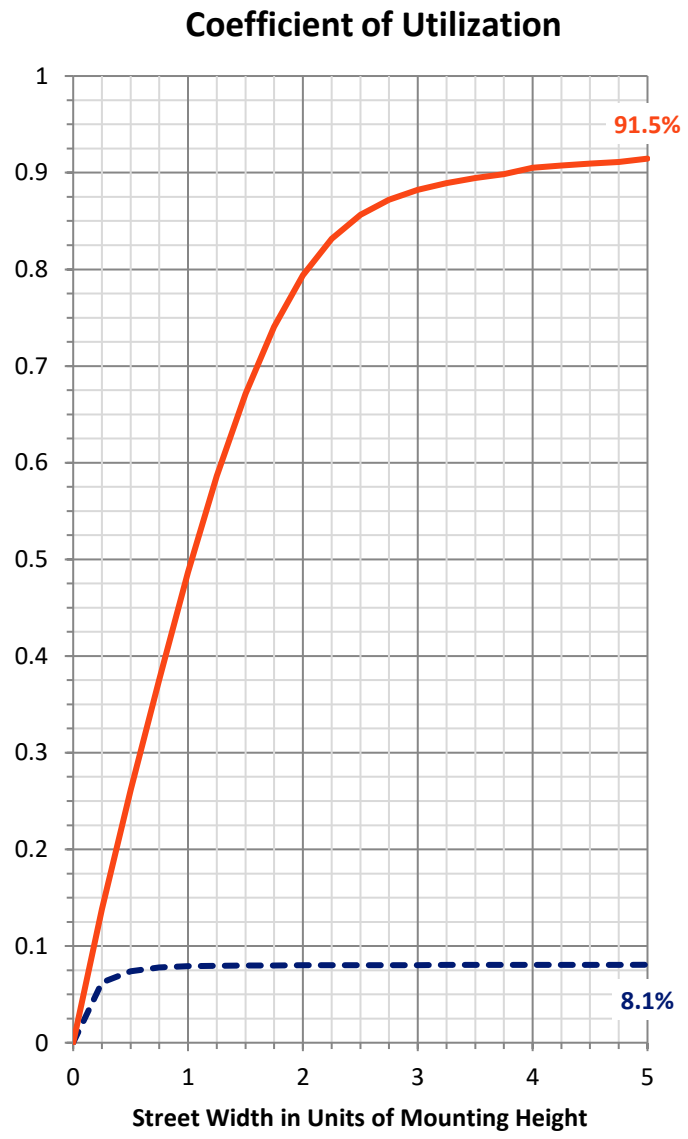
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	530.8	0.0	530.8
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5984.8	0.0	5984.8
	% Fixture	91.9	0.0	91.9
Total	Lumens	6515.6	0.0	6515.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	2.0
10°-20°	213.2	3.3
20°-30°	305.4	4.7
30°-40°	543.8	8.3
40°-50°	895.1	13.7
50°-60°	1380.1	21.2
60°-70°	1608.4	24.7
70°-80°	1246.5	19.1
80°-90°	194.6	3.0
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°	6515.6	100.0
0°-180°	6515.6	100.0



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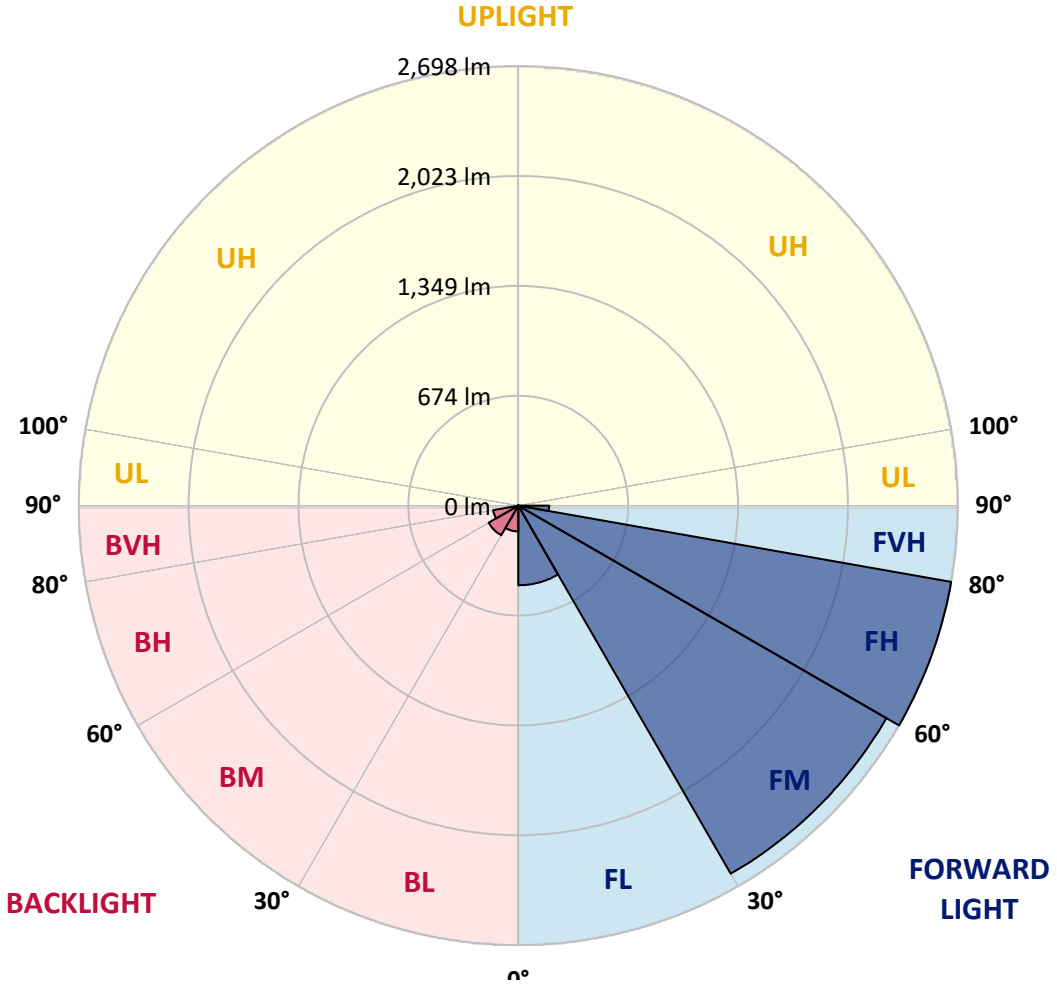
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	488.8	7.5			
FM	(30°-60°)	2608.8	40.0			
FH	(60°-80°)	2697.9	41.4			G2/5000
FVH	(80°-90°)	189.2	2.9			G2/225
BL	(0°-30°)	158.2	2.4	B1/500		
BM	(30°-60°)	210.2	3.2	B0/220		
BH	(60°-80°)	157.0	2.4	B1/500		G1/500
BVH	(80°-90°)	5.4	0.1			G0/10
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°	1856.7	1856.7	1856.7	1856.7	1856.7	1856.7	1856.7	1856.7	1856.7	1856.7	1856.7
2.5°	1735.0	1800.1	1839.7	1876.5	1924.6	1972.7	1975.5	1978.4	1978.4	1978.4	1975.5
5°	1675.5	1681.2	1681.2	1681.2	1689.7	1698.2	1703.8	1706.7	1709.5	1709.5	1706.7
7.5°	1310.4	1415.1	1480.2	1542.5	1559.5	1576.5	1599.1	1618.9	1635.9	1650.0	1661.4
10°	1451.9	1463.3	1463.3	1460.4	1474.6	1485.9	1375.5	1262.3	1307.6	1352.9	1296.3
12.5°	1120.8	1177.4	1248.1	1316.1	1361.4	1406.6	1355.7	1304.8	1225.5	1143.4	1137.8
15°	1310.4	1318.9	1321.7	1324.6	1248.1	1168.9	1075.5	979.3	1044.4	1109.5	1016.1
17.5°	1007.6	1016.1	1095.3	1174.6	1183.1	1191.5	1132.1	1069.8	934.0	798.1	925.5
20°	1205.7	1211.4	1211.4	1211.4	1061.4	911.3	922.7	931.2	973.6	1016.1	984.9
22.5°	970.8	959.5	965.1	968.0	1013.2	1055.7	968.0	877.4	942.5	1004.7	951.0
25°	1214.2	1217.0	1200.0	1180.2	1047.2	911.3	959.5	1004.7	928.3	849.1	925.5
27.5°	1098.1	1086.8	1047.2	1007.6	1027.4	1047.2	956.6	863.2	936.8	1007.6	973.6
30°	1446.3	1440.6	1389.7	1335.9	1177.4	1016.1	999.1	979.3	936.8	891.5	951.0
32.5°	1930.2	1862.3	1672.7	1480.2	1381.2	1279.3	1154.8	1030.2	1044.4	1055.7	1064.2
35°	2037.8	2006.7	1924.6	1842.5	1689.7	1534.0	1364.2	1191.5	1151.9	1112.3	1134.9
37.5°	2066.1	2054.8	2043.5	2029.3	1848.2	1667.0	1497.2	1324.6	1293.4	1259.5	1234.0
40°	2094.4	2105.7	2139.7	2170.8	2001.0	1831.2	1672.7	1511.4	1474.6	1437.8	1372.7
42.5°	2207.6	2216.1	2267.0	2318.0	2153.8	1986.9	1848.2	1709.5	1655.7	1601.9	1542.5
45°	2448.2	2456.7	2485.0	2513.3	2360.4	2204.8	2051.9	1896.3	1853.8	1808.5	1740.6
47.5°	2782.2	2790.6	2776.5	2762.3	2586.9	2408.6	2227.4	2046.3	2032.1	2018.0	1947.2
50°	3164.2	3152.9	3076.5	3000.1	2807.6	2615.2	2402.9	2187.8	2199.1	2210.4	2159.5
52.5°	3339.7	3334.1	3246.3	3158.6	2960.5	2759.5	2538.8	2315.2	2354.8	2391.6	2363.3
55°	3328.4	3325.6	3266.1	3206.7	3019.9	2833.1	2626.5	2419.9	2510.5	2598.2	2581.2
57.5°	3203.9	3209.5	3201.0	3192.5	3028.4	2864.2	2697.2	2530.3	2666.1	2799.1	2821.8
60°	3008.6	3008.6	3051.0	3090.7	2994.4	2895.4	2756.7	2615.2	2802.0	2988.8	3045.4
62.5°	2601.0	2646.3	2736.9	2827.4	2858.6	2889.7	2776.5	2663.3	2920.8	3178.4	3260.5
65°	2003.8	2023.6	2187.8	2352.0	2504.8	2654.8	2663.3	2671.8	3065.2	3455.8	3484.1
67.5°	1163.2	1245.3	1426.5	1604.8	1904.8	2202.0	2354.8	2507.6	3127.4	3744.4	3775.6
70°	611.3	645.3	733.0	817.9	1086.8	1352.9	1732.1	2108.6	2983.1	3854.8	4126.5
72.5°	418.9	450.0	498.1	546.2	648.1	747.2	1018.9	1287.8	2374.6	3461.4	4304.8
75°	*246.2*	*254.7*	*314.2*	*373.6*	*484.0*	*594.4*	*693.4*	*789.6*	*1511.4*	*2230.3*	*3597.3*
77.5°	99.1	107.6	133.0	158.5	314.2	467.0	568.9	670.8	843.4	1016.1	2470.8
80°	53.8	53.8	65.1	73.6	141.5	206.6	382.1	557.6	642.5	727.4	1601.9
82.5°	31.1	31.1	39.6	45.3	70.8	96.2	217.9	339.6	501.0	659.5	1081.2
85°	11.3	11.3	14.2	17.0	34.0	48.1	79.2	107.6	311.3	512.3	622.7
87.5°	2.8	2.8	5.7	5.7	8.5	11.3	14.2	14.2	11.3	8.5	56.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1856.7	*1856.7*	1856.7	1856.7	1856.7	1856.7	1856.7	1856.7	1856.7	1856.7	1856.7
2.5°	1969.9	*1952.9*	1941.6	1921.8	1901.9	1885.0	1865.1	1839.7	1819.9	1794.4	1768.9
5°	1703.8	*1822.7*	1944.4	1933.1	1918.9	1879.3	1839.7	1794.4	1751.9	1701.0	1650.0
7.5°	1669.9	*1667.0*	1551.0	1610.4	1667.0	1621.7	1576.5	1525.5	1468.9	1369.9	1270.8
10°	1239.7	*1248.1*	1245.3	1259.5	1273.6	1310.4	1344.4	1270.8	1200.0	1044.4	885.9
12.5°	1132.1	*1185.9*	1200.0	1103.8	1007.6	1047.2	1086.8	1013.2	942.5	798.1	653.8
15°	919.8	*781.2*	979.3	1109.5	1236.8	1256.6	1273.6	1177.4	1064.2	866.1	665.1
17.5°	1050.0	*1098.1*	1041.5	1044.4	1044.4	1047.2	1050.0	962.3	849.1	699.1	549.1
20°	953.8	*939.7*	945.3	1038.7	1132.1	1194.4	1253.8	1120.8	976.4	744.4	509.4
22.5°	897.2	*1081.2*	1160.4	1120.8	1081.2	982.1	880.2	778.3	659.5	543.4	424.5
25°	999.1	*902.9*	965.1	1118.0	1270.8	1270.8	1270.8	1095.3	900.0	651.0	401.9
27.5°	939.7	*1072.7*	1134.9	1256.6	1375.5	1426.5	1474.6	1251.0	993.4	684.9	373.6
30°	1010.4	*1072.7*	1293.4	1536.8	1780.2	1737.8	1692.5	1406.6	1081.2	718.9	356.6
32.5°	1072.7	*1248.1*	1443.4	1627.4	1811.4	1763.3	1712.3	1395.3	1030.2	648.1	266.0
35°	1157.6	*1270.8*	1451.9	1675.5	1899.1	1825.5	1749.1	1401.0	990.6	594.4	198.1
37.5°	1208.5	*1333.1*	1528.3	1763.3	1995.3	1904.8	1814.2	1426.5	956.6	554.7	152.8
40°	1304.8	*1429.3*	1624.6	1870.8	2117.0	2012.3	1904.8	1471.7	936.8	532.1	127.4
42.5°	1483.1	*1539.7*	1757.6	2018.0	2278.4	2168.0	2054.8	1568.0	931.2	520.8	110.4
45°	1669.9	*1706.7*	1899.1	2190.6	2479.3	2366.1	2250.1	1686.8	951.0	529.3	104.7
47.5°	1873.6	*1893.5*	2068.9	2431.2	2793.5	2637.8	2482.1	1851.0	993.4	546.2	99.1
50°	2108.6	*2108.6*	2278.4	2668.9	3059.5	2898.2	2736.9	2043.5	1047.2	571.7	96.2
52.5°	2332.1	*2363.3*	2493.5	2892.5	3291.6	3141.6	2988.8	2255.7	1118.0	605.7	90.6
55°	2561.4	*2660.5*	2708.6	3116.1	3523.7	3351.0	3178.4	2411.4	1160.4	622.7	84.9
57.5°	2844.4	*2949.1*	2974.6	3319.9	3665.2	3498.2	3328.4	2544.4	1191.5	636.8	82.1
60°	3102.0	*3220.8*	3271.8	3526.5	3778.4	3605.8	3433.1	2660.5	1219.8	648.1	73.6
62.5°	3339.7	*3430.3*	3509.5	3673.7	3837.8	3676.5	3512.4	2762.3	1236.8	651.0	65.1
65°	3512.4	*3594.4*	3707.7	3801.1	3894.5	3772.8	3651.1	2937.8	1284.9	667.9	48.1
67.5°	3803.9	*3812.4*	3877.5	3953.9	4030.3	3965.2	3900.1	3181.2	1341.5	690.6	36.8
70°	4395.4	*4299.2*	4214.3	4290.7	4364.3	4273.7	4183.1	3252.0	1211.4	619.8	28.3
72.5°	5148.3	*5309.6*	4899.2	4740.7	4579.4	4245.4	3908.6	2799.1	860.4	441.5	22.6
75°	*4964.3*	*5782.2*	*5377.5*	*4740.7*	*4103.9*	*3588.8*	*3070.8*	*2100.1*	*529.3*	*274.5*	*17.0*
77.5°	3922.8	*4800.1*	4655.8	3999.2	3339.7	2705.7	2071.8	1290.6	186.8	101.9	17.0
80°	2476.5	*3319.9*	3195.4	2598.2	1998.2	1420.8	843.4	393.4	70.8	45.3	19.8
82.5°	1502.9	*1978.4*	1553.8	973.6	393.4	277.4	161.3	84.9	22.6	19.8	17.0
85°	730.2	*817.9*	534.9	308.5	79.2	73.6	65.1	42.5	11.3	11.3	8.5
87.5°	101.9	*73.6*	45.3	31.1	14.2	14.2	14.2	8.5	8.5	8.5	5.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1856.7	1856.7	1856.7	1856.7	1856.7	1856.7	1856.7	1856.7	1856.7	1856.7	1856.7
2.5°	1749.1	1726.5	1701.0	1675.5	1647.2	1618.9	1536.8	1451.9	1406.6	1358.5	1347.2
5°	1556.6	1463.3	1347.2	1228.3	1177.4	1126.4	1101.0	1072.7	1055.7	1035.9	1018.9
7.5°	1140.6	1007.6	1007.6	1004.7	962.3	919.8	871.7	820.8	789.6	758.5	676.4
10°	815.1	741.5	690.6	639.6	619.8	600.0	537.8	472.7	478.3	481.1	464.2
12.5°	631.2	605.7	512.3	418.9	387.7	356.6	336.8	317.0	288.7	260.4	240.6
15°	540.6	416.0	345.3	274.5	243.4	209.4	181.1	150.0	141.5	130.2	144.3
17.5°	444.4	336.8	268.9	200.9	155.7	110.4	116.0	121.7	133.0	144.3	150.0
20°	382.1	254.7	195.3	135.9	121.7	107.6	113.2	116.0	113.2	107.6	124.5
22.5°	311.3	198.1	150.0	99.1	101.9	104.7	96.2	87.7	104.7	121.7	121.7
25°	266.0	130.2	116.0	101.9	93.4	84.9	96.2	104.7	99.1	93.4	107.6
27.5°	243.4	113.2	99.1	84.9	87.7	90.6	87.7	82.1	90.6	99.1	96.2
30°	232.1	104.7	96.2	84.9	82.1	76.4	79.2	79.2	76.4	73.6	82.1
32.5°	186.8	107.6	93.4	76.4	73.6	67.9	65.1	62.3	65.1	67.9	70.8
35°	150.0	99.1	87.7	73.6	67.9	62.3	59.4	53.8	53.8	53.8	56.6
37.5°	121.7	90.6	79.2	65.1	59.4	53.8	50.9	45.3	45.3	45.3	45.3
40°	107.6	84.9	73.6	59.4	53.8	45.3	42.5	36.8	36.8	34.0	34.0
42.5°	93.4	76.4	65.1	50.9	45.3	39.6	34.0	28.3	28.3	25.5	25.5
45°	87.7	70.8	59.4	48.1	39.6	31.1	28.3	22.6	22.6	19.8	19.8
47.5°	84.9	67.9	56.6	42.5	34.0	25.5	22.6	17.0	17.0	17.0	17.0
50°	79.2	62.3	50.9	36.8	31.1	22.6	19.8	14.2	14.2	14.2	14.2
52.5°	76.4	59.4	45.3	31.1	25.5	17.0	14.2	11.3	11.3	11.3	11.3
55°	73.6	62.3	45.3	28.3	22.6	14.2	11.3	8.5	8.5	8.5	8.5
57.5°	70.8	59.4	42.5	22.6	17.0	11.3	8.5	5.7	5.7	5.7	5.7
60°	62.3	50.9	34.0	17.0	14.2	8.5	5.7	2.8	5.7	5.7	5.7
62.5°	53.8	39.6	28.3	14.2	11.3	5.7	5.7	2.8	5.7	5.7	5.7
65°	39.6	31.1	22.6	11.3	8.5	2.8	2.8	2.8	5.7	5.7	5.7
67.5°	31.1	22.6	17.0	8.5	5.7	2.8	2.8	2.8	5.7	5.7	5.7
70°	22.6	17.0	11.3	5.7	5.7	2.8	2.8	2.8	5.7	5.7	5.7
72.5°	17.0	11.3	8.5	5.7	5.7	2.8	5.7	5.7	5.7	5.7	5.7
75°	*14.2*	*11.3*	*8.5*	*5.7*	*5.7*	*2.8*	*5.7*	*5.7*	*8.5*	*8.5*	*8.5*
77.5°	14.2	8.5	8.5	5.7	5.7	2.8	5.7	8.5	8.5	8.5	8.5
80°	14.2	8.5	8.5	5.7	5.7	2.8	5.7	8.5	8.5	8.5	8.5
82.5°	14.2	8.5	8.5	5.7	5.7	2.8	5.7	8.5	8.5	8.5	8.5
85°	8.5	8.5	8.5	8.5	5.7	2.8	8.5	11.3	11.3	8.5	8.5
87.5°	5.7	5.7	8.5	8.5	5.7	2.8	8.5	11.3	11.3	8.5	8.5
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°	1856.7	1856.7	1856.7	1856.7
2.5°	1333.1	1318.9	1301.9	1335.9
5°	1001.9	990.6	979.3	999.1
7.5°	594.4	597.2	597.2	566.1
10°	444.4	418.9	390.6	390.6
12.5°	220.8	203.8	186.8	184.0
15°	158.5	161.3	164.2	164.2
17.5°	155.7	150.0	141.5	135.9
20°	138.7	144.3	147.2	147.2
22.5°	121.7	118.9	113.2	113.2
25°	121.7	124.5	127.4	127.4
27.5°	93.4	93.4	90.6	90.6
30°	90.6	90.6	90.6	90.6
32.5°	70.8	73.6	73.6	73.6
35°	59.4	59.4	59.4	59.4
37.5°	45.3	45.3	45.3	42.5
40°	34.0	34.0	34.0	34.0
42.5°	25.5	25.5	25.5	25.5
45°	19.8	19.8	19.8	19.8
47.5°	17.0	17.0	14.2	14.2
50°	11.3	11.3	11.3	11.3
52.5°	8.5	8.5	8.5	8.5
55°	5.7	5.7	5.7	5.7
57.5°	5.7	5.7	5.7	5.7
60°	2.8	2.8	2.8	2.8
62.5°	2.8	2.8	2.8	2.8
65°	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8
70°	2.8	2.8	2.8	2.8
72.5°	5.7	5.7	2.8	2.8
75°	*5.7*	*5.7*	*2.8*	*2.8*
77.5°	5.7	5.7	2.8	2.8
80°	5.7	5.7	2.8	2.8
82.5°	5.7	5.7	2.8	2.8
85°	5.7	5.7	5.7	2.8
87.5°	5.7	5.7	5.7	2.8
90°	0.0	0.0	0.0	0.0

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