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: P560708

Luminaire Tested: **SDL-PA1-60-730-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:	P560708
	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-PA1-60-730-U-SL3-HSS
Description:	Springdale
	(1) 70 CRI, 3000K, 800mA 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:	5700 lumens
Efficiency:	N/A
Efficacy:	91.3 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):	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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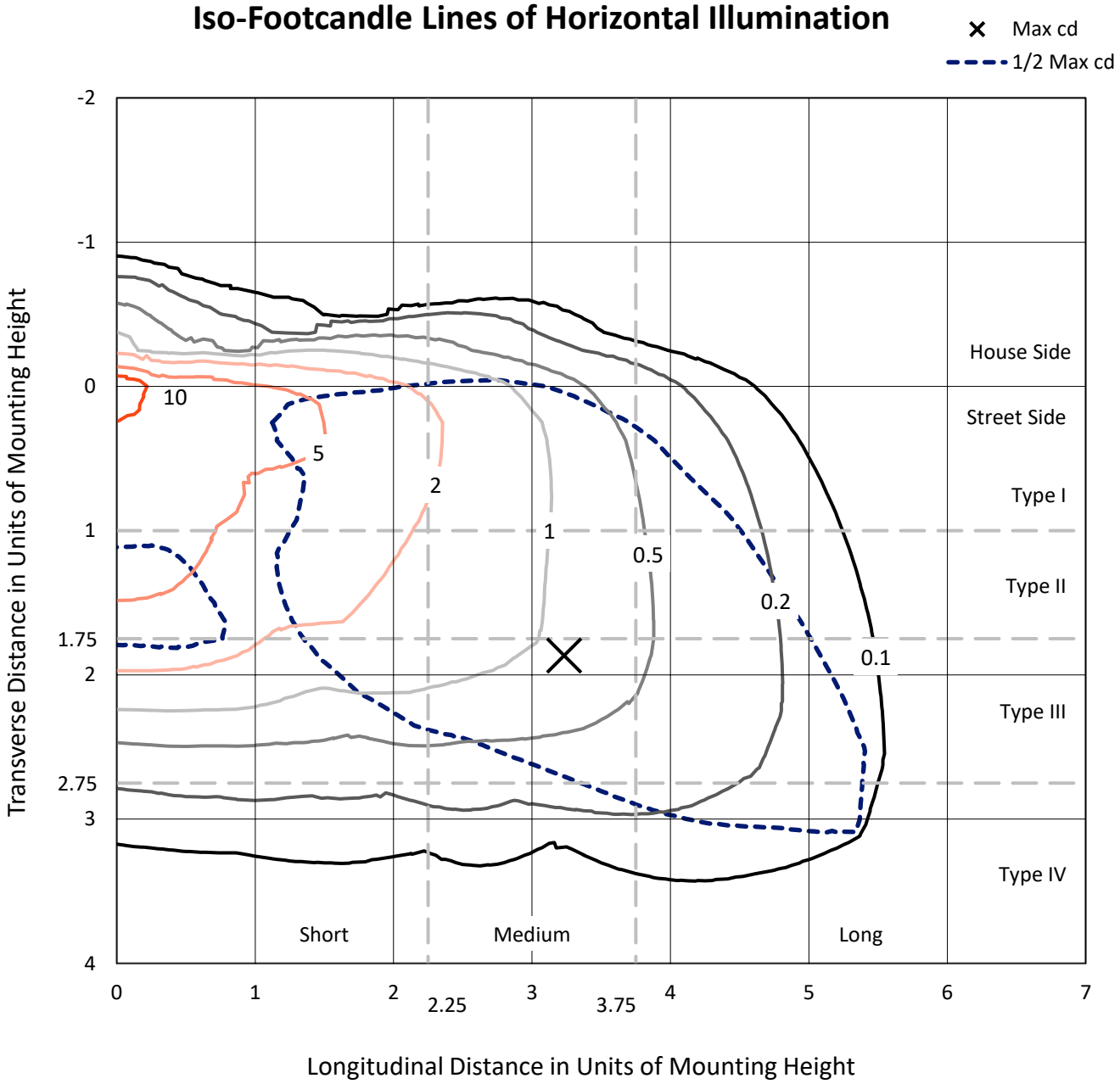
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 16.2 fc
Type IV - Medium - N/A

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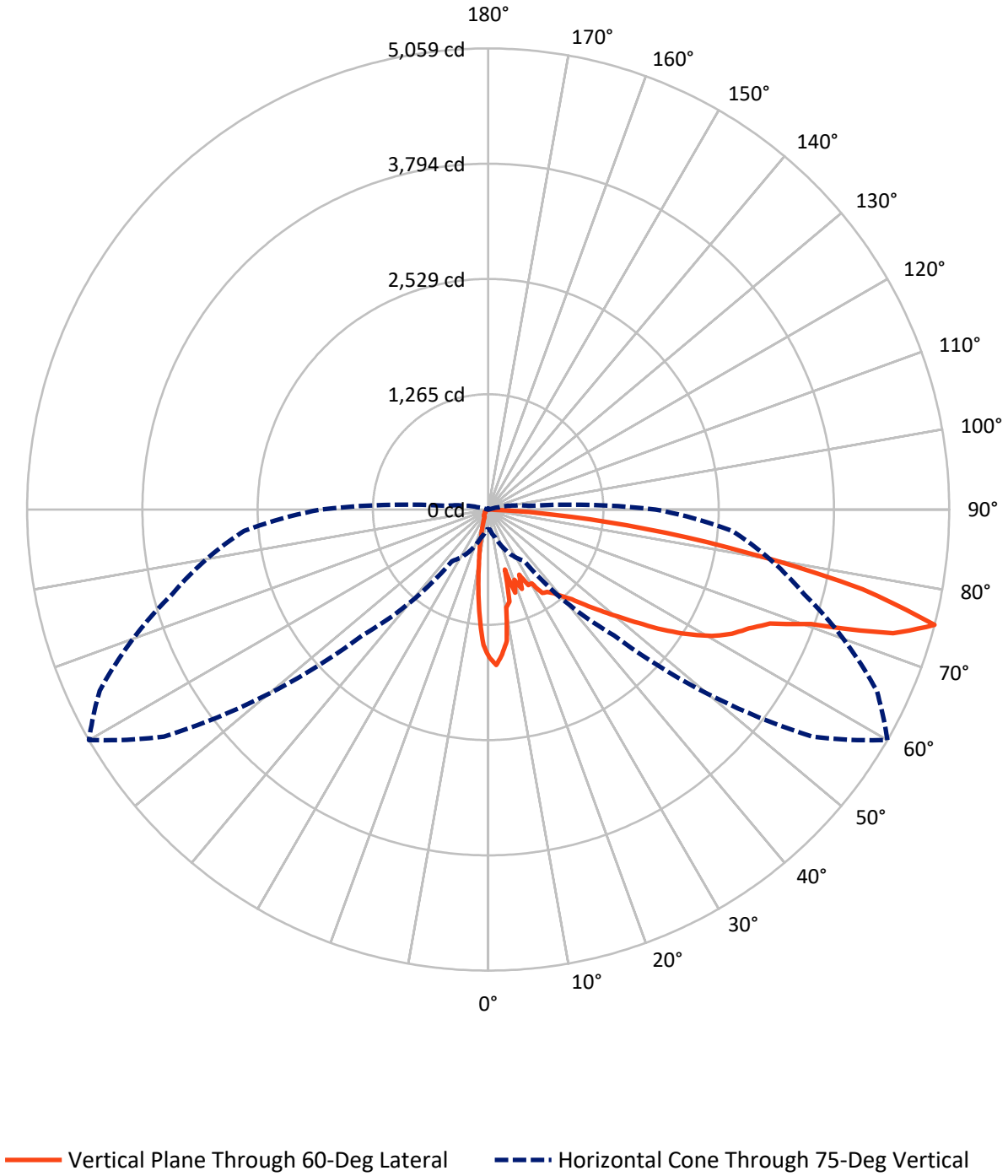
Luminous Intensity Polar Plot



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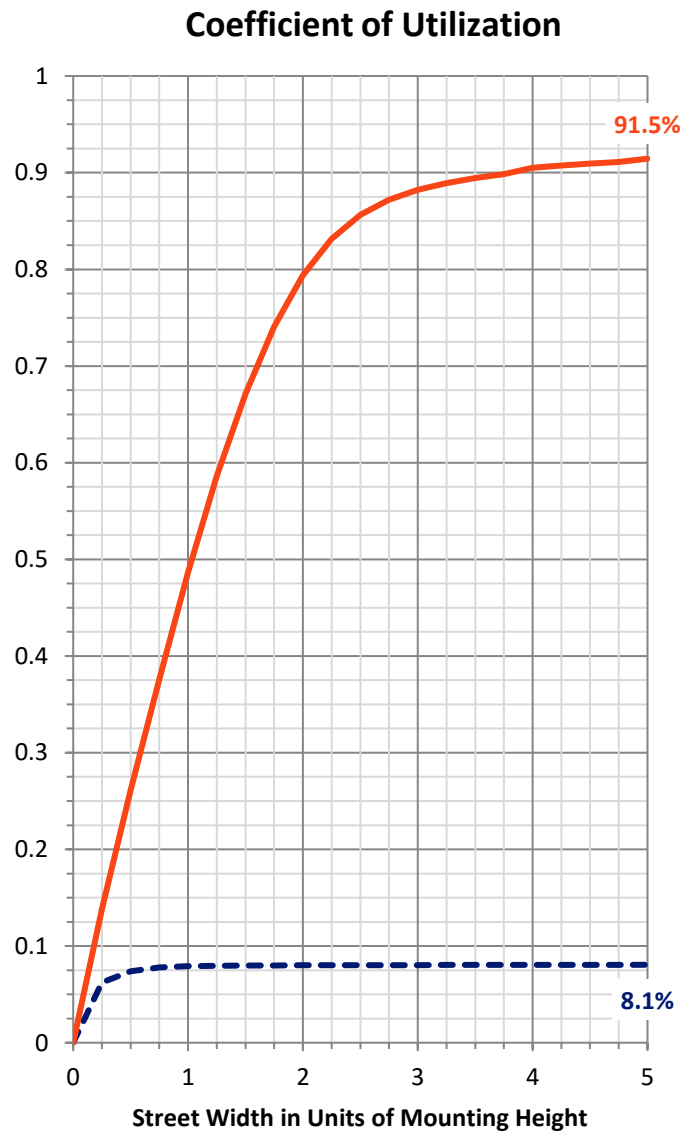
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	464.4	0.0	464.4
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5235.7	0.0	5235.7
	% Fixture	91.9	0.0	91.9
Total	Lumens	5700.0	0.0	5700.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.4	2.0
10°-20°	186.5	3.3
20°-30°	267.2	4.7
30°-40°	475.7	8.3
40°-50°	783.0	13.7
50°-60°	1207.4	21.2
60°-70°	1407.1	24.7
70°-80°	1090.4	19.1
80°-90°	170.3	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°	5700.0	100.0
0°-180°	5700.0	100.0



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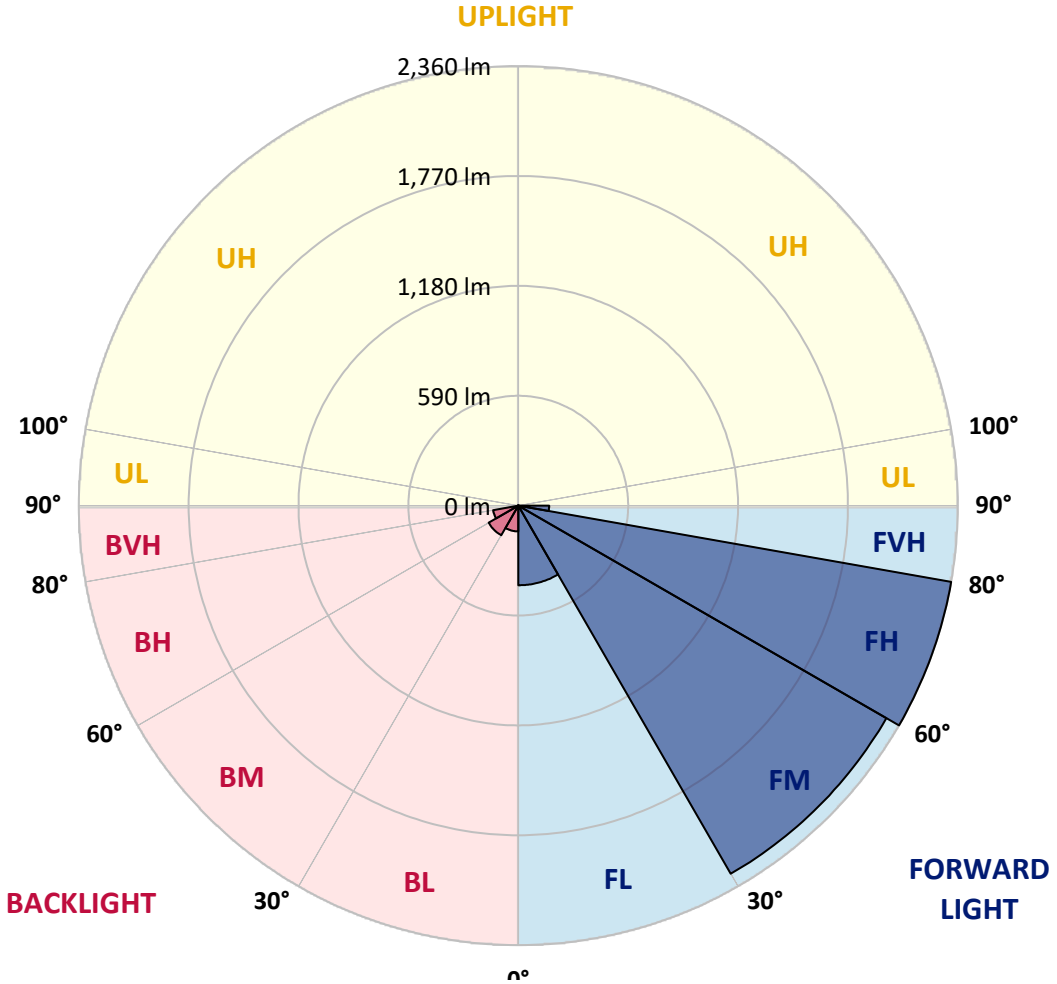
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	427.6	7.5			
FM	(30°-60°)	2282.3	40.0			
FH	(60°-80°)	2360.2	41.4			G2/5000
FVH	(80°-90°)	165.6	2.9			G2/225
BL	(0°-30°)	138.4	2.4	B1/500		
BM	(30°-60°)	183.9	3.2	B0/220		
BH	(60°-80°)	137.4	2.4	B1/500		G1/500
BVH	(80°-90°)	4.7	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°	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3
2.5°	1517.8	1574.7	1609.4	1641.6	1683.7	1725.8	1728.3	1730.7	1730.7	1730.7	1728.3
5°	1465.8	1470.8	1470.8	1470.8	1478.2	1485.6	1490.6	1493.0	1495.5	1495.5	1493.0
7.5°	1146.4	1238.0	1295.0	1349.4	1364.3	1379.1	1399.0	1416.3	1431.1	1443.5	1453.4
10°	1270.2	1280.1	1280.1	1277.6	1290.0	1299.9	1203.3	1104.3	1143.9	1183.5	1134.0
12.5°	980.5	1030.0	1091.9	1151.4	1191.0	1230.6	1186.0	1141.4	1072.1	1000.3	995.4
15°	1146.4	1153.8	1156.3	1158.8	1091.9	1022.6	940.9	856.7	913.7	970.6	888.9
17.5°	881.5	888.9	958.2	1027.5	1035.0	1042.4	990.4	935.9	817.1	698.2	809.7
20°	1054.8	1059.7	1059.7	1059.7	928.5	797.3	807.2	814.6	851.8	888.9	861.7
22.5°	849.3	839.4	844.3	846.8	886.4	923.6	846.8	767.6	824.5	879.0	831.9
25°	1062.2	1064.7	1049.8	1032.5	916.1	797.3	839.4	879.0	812.1	742.8	809.7
27.5°	960.7	950.8	916.1	881.5	898.8	916.1	836.9	755.2	819.6	881.5	851.8
30°	1265.2	1260.3	1215.7	1168.7	1030.0	888.9	874.0	856.7	819.6	779.9	831.9
32.5°	1688.6	1629.2	1463.3	1295.0	1208.3	1119.2	1010.2	901.3	913.7	923.6	931.0
35°	1782.7	1755.5	1683.7	1611.9	1478.2	1342.0	1193.4	1042.4	1007.7	973.1	992.9
37.5°	1807.5	1797.6	1787.7	1775.3	1616.8	1458.4	1309.8	1158.8	1131.5	1101.8	1079.5
40°	1832.3	1842.2	1871.9	1899.1	1750.5	1602.0	1463.3	1322.2	1290.0	1257.8	1200.9
42.5°	1931.3	1938.7	1983.3	2027.9	1884.3	1738.2	1616.8	1495.5	1448.5	1401.4	1349.4
45°	2141.8	2149.2	2173.9	2198.7	2065.0	1928.8	1795.1	1658.9	1621.8	1582.2	1522.8
47.5°	2433.9	2441.4	2429.0	2416.6	2263.1	2107.1	1948.6	1790.2	1777.8	1765.4	1703.5
50°	2768.2	2758.3	2691.4	2624.6	2456.2	2287.8	2102.1	1914.0	1923.9	1933.8	1889.2
52.5°	2921.7	2916.8	2840.0	2763.2	2589.9	2414.1	2221.0	2025.4	2060.1	2092.2	2067.5
55°	2911.8	2909.3	2857.3	2805.3	2641.9	2478.5	2297.7	2117.0	2196.2	2273.0	2258.1
57.5°	2802.9	2807.8	2800.4	2793.0	2649.3	2505.7	2359.6	2213.6	2332.4	2448.8	2468.6
60°	2632.0	2632.0	2669.2	2703.8	2619.6	2533.0	2411.6	2287.8	2451.3	2614.7	2664.2
62.5°	2275.5	2315.1	2394.3	2473.5	2500.8	2528.0	2429.0	2329.9	2555.3	2780.6	2852.4
65°	1753.0	1770.4	1914.0	2057.6	2191.3	2322.5	2329.9	2337.4	2681.5	3023.2	3048.0
67.5°	1017.6	1089.4	1247.9	1403.9	1666.4	1926.3	2060.1	2193.8	2736.0	3275.8	3303.0
70°	534.8	564.5	641.3	715.6	950.8	1183.5	1515.3	1844.6	2609.7	3372.3	3610.0
72.5°	366.5	393.7	435.8	477.9	567.0	653.7	891.4	1126.6	2077.4	3028.2	3766.0
75°	*215.4*	*222.8*	*274.8*	*326.8*	*423.4*	*520.0*	*606.6*	*690.8*	*1322.2*	*1951.1*	*3147.0*
77.5°	86.7	94.1	116.4	138.7	274.8	408.5	497.7	586.8	737.9	888.9	2161.6
80°	47.0	47.0	56.9	64.4	123.8	180.7	334.3	487.8	562.1	636.3	1401.4
82.5°	27.2	27.2	34.7	39.6	61.9	84.2	190.7	297.1	438.3	576.9	945.8
85°	9.9	9.9	12.4	14.9	29.7	42.1	69.3	94.1	272.4	448.2	544.7
87.5°	2.5	2.5	5.0	5.0	7.4	9.9	12.4	12.4	9.9	7.4	49.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1624.3	*1624.3*	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3
2.5°	1723.3	*1708.5*	1698.6	1681.2	1663.9	1649.0	1631.7	1609.4	1592.1	1569.8	1547.5
5°	1490.6	*1594.6*	1701.0	1691.1	1678.7	1644.1	1609.4	1569.8	1532.7	1488.1	1443.5
7.5°	1460.9	*1458.4*	1356.9	1408.9	1458.4	1418.8	1379.1	1334.6	1285.1	1198.4	1111.7
10°	1084.5	*1091.9*	1089.4	1101.8	1114.2	1146.4	1176.1	1111.7	1049.8	913.7	775.0
12.5°	990.4	*1037.5*	1049.8	965.6	881.5	916.1	950.8	886.4	824.5	698.2	572.0
15°	804.7	*683.4*	856.7	970.6	1082.0	1099.4	1114.2	1030.0	931.0	757.7	581.9
17.5°	918.6	*960.7*	911.2	913.7	913.7	916.1	918.6	841.8	742.8	611.6	480.3
20°	834.4	*822.0*	827.0	908.7	990.4	1044.9	1096.9	980.5	854.2	651.2	445.7
22.5°	784.9	*945.8*	1015.2	980.5	945.8	859.2	770.0	680.9	576.9	475.4	371.4
25°	874.0	*789.9*	844.3	978.0	1111.7	1111.7	1111.7	958.2	787.4	569.5	351.6
27.5°	822.0	*938.4*	992.9	1099.4	1203.3	1247.9	1290.0	1094.4	869.1	599.2	326.8
30°	883.9	*938.4*	1131.5	1344.5	1557.4	1520.3	1480.7	1230.6	945.8	628.9	312.0
32.5°	938.4	*1091.9*	1262.8	1423.7	1584.7	1542.6	1498.0	1220.7	901.3	567.0	232.7
35°	1012.7	*1111.7*	1270.2	1465.8	1661.4	1597.0	1530.2	1225.6	866.6	520.0	173.3
37.5°	1057.3	*1166.2*	1337.1	1542.6	1745.6	1666.4	1587.1	1247.9	836.9	485.3	133.7
40°	1141.4	*1250.4*	1421.2	1636.7	1852.1	1760.5	1666.4	1287.5	819.6	465.5	111.4
42.5°	1297.4	*1347.0*	1537.6	1765.4	1993.2	1896.6	1797.6	1371.7	814.6	455.6	96.6
45°	1460.9	*1493.0*	1661.4	1916.4	2169.0	2070.0	1968.4	1475.7	831.9	463.0	91.6
47.5°	1639.1	*1656.5*	1810.0	2126.9	2443.8	2307.7	2171.5	1619.3	869.1	477.9	86.7
50°	1844.6	*1844.6*	1993.2	2334.9	2676.6	2535.4	2394.3	1787.7	916.1	500.2	84.2
52.5°	2040.2	*2067.5*	2181.4	2530.5	2879.6	2748.4	2614.7	1973.4	978.0	529.9	79.2
55°	2240.8	*2327.5*	2369.6	2726.1	3082.6	2931.6	2780.6	2109.6	1015.2	544.7	74.3
57.5°	2488.4	*2580.0*	2602.3	2904.4	3206.4	3060.4	2911.8	2225.9	1042.4	557.1	71.8
60°	2713.7	*2817.7*	2862.3	3085.1	3305.5	3154.5	3003.4	2327.5	1067.2	567.0	64.4
62.5°	2921.7	*3000.9*	3070.3	3213.9	3357.5	3216.4	3072.7	2416.6	1082.0	569.5	56.9
65°	3072.7	*3144.5*	3243.6	3325.3	3407.0	3300.5	3194.1	2570.1	1124.1	584.3	42.1
67.5°	3327.8	*3335.2*	3392.1	3459.0	3525.9	3468.9	3412.0	2783.0	1173.6	604.1	32.2
70°	3845.3	*3761.1*	3686.8	3753.6	3818.0	3738.8	3659.6	2844.9	1059.7	542.2	24.8
72.5°	4503.9	*4645.0*	4286.0	4147.3	4006.2	3714.0	3419.4	2448.8	752.7	386.3	19.8
75°	*4342.9*	*5058.5*	*4704.4*	*4147.3*	*3590.2*	*3139.6*	*2686.5*	*1837.2*	*463.0*	*240.2*	*14.9*
77.5°	3431.8	*4199.3*	4073.1	3498.6	2921.7	2367.1	1812.4	1129.1	163.4	89.1	14.9
80°	2166.5	*2904.4*	2795.4	2273.0	1748.1	1243.0	737.9	344.2	61.9	39.6	17.3
82.5°	1314.8	*1730.7*	1359.3	851.8	344.2	242.7	141.1	74.3	19.8	17.3	14.9
85°	638.8	*715.6*	468.0	269.9	69.3	64.4	56.9	37.1	9.9	9.9	7.4
87.5°	89.1	*64.4*	39.6	27.2	12.4	12.4	12.4	7.4	7.4	7.4	5.0
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°	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3
2.5°	1530.2	1510.4	1488.1	1465.8	1441.0	1416.3	1344.5	1270.2	1230.6	1188.5	1178.6
5°	1361.8	1280.1	1178.6	1074.6	1030.0	985.5	963.2	938.4	923.6	906.2	891.4
7.5°	997.8	881.5	881.5	879.0	841.8	804.7	762.6	718.0	690.8	663.6	591.8
10°	713.1	648.7	604.1	559.6	542.2	524.9	470.4	413.5	418.4	420.9	406.1
12.5°	552.2	529.9	448.2	366.5	339.2	312.0	294.6	277.3	252.6	227.8	210.5
15°	472.9	364.0	302.1	240.2	212.9	183.2	158.5	131.2	123.8	113.9	126.3
17.5°	388.7	294.6	235.2	175.8	136.2	96.6	101.5	106.5	116.4	126.3	131.2
20°	334.3	222.8	170.8	118.8	106.5	94.1	99.0	101.5	99.0	94.1	108.9
22.5°	272.4	173.3	131.2	86.7	89.1	91.6	84.2	76.8	91.6	106.5	106.5
25°	232.7	113.9	101.5	89.1	81.7	74.3	84.2	91.6	86.7	81.7	94.1
27.5°	212.9	99.0	86.7	74.3	76.8	79.2	76.8	71.8	79.2	86.7	84.2
30°	203.0	91.6	84.2	74.3	71.8	66.9	69.3	69.3	66.9	64.4	71.8
32.5°	163.4	94.1	81.7	66.9	64.4	59.4	56.9	54.5	56.9	59.4	61.9
35°	131.2	86.7	76.8	64.4	59.4	54.5	52.0	47.0	47.0	47.0	49.5
37.5°	106.5	79.2	69.3	56.9	52.0	47.0	44.6	39.6	39.6	39.6	39.6
40°	94.1	74.3	64.4	52.0	47.0	39.6	37.1	32.2	32.2	29.7	29.7
42.5°	81.7	66.9	56.9	44.6	39.6	34.7	29.7	24.8	24.8	22.3	22.3
45°	76.8	61.9	52.0	42.1	34.7	27.2	24.8	19.8	19.8	17.3	17.3
47.5°	74.3	59.4	49.5	37.1	29.7	22.3	19.8	14.9	14.9	14.9	14.9
50°	69.3	54.5	44.6	32.2	27.2	19.8	17.3	12.4	12.4	12.4	12.4
52.5°	66.9	52.0	39.6	27.2	22.3	14.9	12.4	9.9	9.9	9.9	9.9
55°	64.4	54.5	39.6	24.8	19.8	12.4	9.9	7.4	7.4	7.4	7.4
57.5°	61.9	52.0	37.1	19.8	14.9	9.9	7.4	5.0	5.0	5.0	5.0
60°	54.5	44.6	29.7	14.9	12.4	7.4	5.0	2.5	5.0	5.0	5.0
62.5°	47.0	34.7	24.8	12.4	9.9	5.0	5.0	2.5	5.0	5.0	5.0
65°	34.7	27.2	19.8	9.9	7.4	2.5	2.5	2.5	5.0	5.0	5.0
67.5°	27.2	19.8	14.9	7.4	5.0	2.5	2.5	2.5	5.0	5.0	5.0
70°	19.8	14.9	9.9	5.0	5.0	2.5	2.5	2.5	5.0	5.0	5.0
72.5°	14.9	9.9	7.4	5.0	5.0	2.5	5.0	5.0	5.0	5.0	5.0
75°	*12.4*	*9.9*	*7.4*	*5.0*	*5.0*	*2.5*	*5.0*	*5.0*	*7.4*	*7.4*	*7.4*
77.5°	12.4	7.4	7.4	5.0	5.0	2.5	5.0	7.4	7.4	7.4	7.4
80°	12.4	7.4	7.4	5.0	5.0	2.5	5.0	7.4	7.4	7.4	7.4
82.5°	12.4	7.4	7.4	5.0	5.0	2.5	5.0	7.4	7.4	7.4	7.4
85°	7.4	7.4	7.4	7.4	5.0	2.5	7.4	9.9	9.9	7.4	7.4
87.5°	5.0	5.0	7.4	7.4	5.0	2.5	7.4	9.9	9.9	7.4	7.4
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°	1624.3	1624.3	1624.3	1624.3
2.5°	1166.2	1153.8	1139.0	1168.7
5°	876.5	866.6	856.7	874.0
7.5°	520.0	522.4	522.4	495.2
10°	388.7	366.5	341.7	341.7
12.5°	193.1	178.3	163.4	160.9
15°	138.7	141.1	143.6	143.6
17.5°	136.2	131.2	123.8	118.8
20°	121.3	126.3	128.8	128.8
22.5°	106.5	104.0	99.0	99.0
25°	106.5	108.9	111.4	111.4
27.5°	81.7	81.7	79.2	79.2
30°	79.2	79.2	79.2	79.2
32.5°	61.9	64.4	64.4	64.4
35°	52.0	52.0	52.0	52.0
37.5°	39.6	39.6	39.6	37.1
40°	29.7	29.7	29.7	29.7
42.5°	22.3	22.3	22.3	22.3
45°	17.3	17.3	17.3	17.3
47.5°	14.9	14.9	12.4	12.4
50°	9.9	9.9	9.9	9.9
52.5°	7.4	7.4	7.4	7.4
55°	5.0	5.0	5.0	5.0
57.5°	5.0	5.0	5.0	5.0
60°	2.5	2.5	2.5	2.5
62.5°	2.5	2.5	2.5	2.5
65°	2.5	2.5	2.5	2.5
67.5°	2.5	2.5	2.5	2.5
70°	2.5	2.5	2.5	2.5
72.5°	5.0	5.0	2.5	2.5
75°	*5.0*	*5.0*	*2.5*	*2.5*
77.5°	5.0	5.0	2.5	2.5
80°	5.0	5.0	2.5	2.5
82.5°	5.0	5.0	2.5	2.5
85°	5.0	5.0	5.0	2.5
87.5°	5.0	5.0	5.0	2.5
90°	0.0	0.0	0.0	0.0

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