

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: P560621

Luminaire Tested: **SDL-PA1-50-827-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-827-U-SL3
Description: Springdale
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4704.4 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 52.4
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

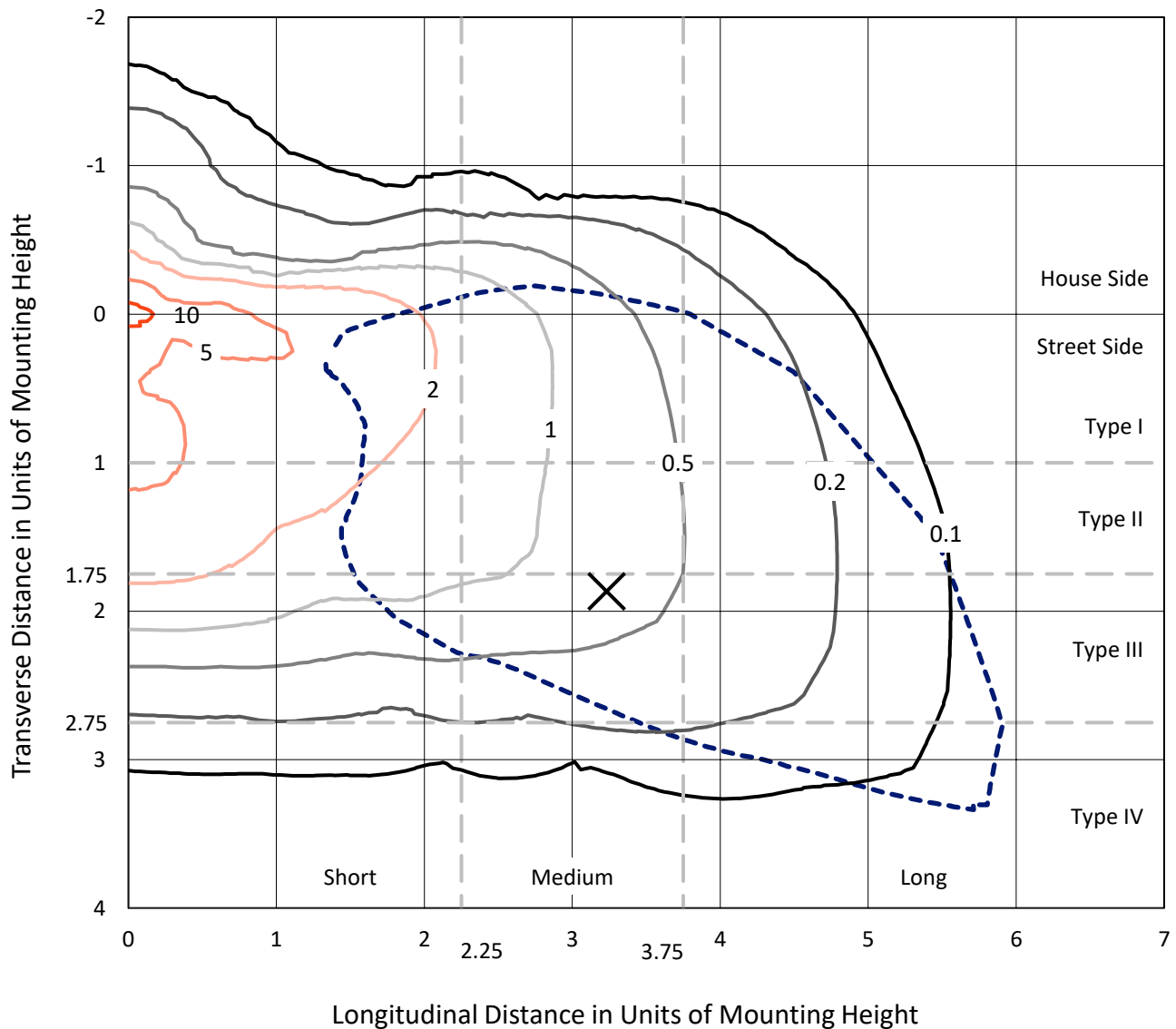


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

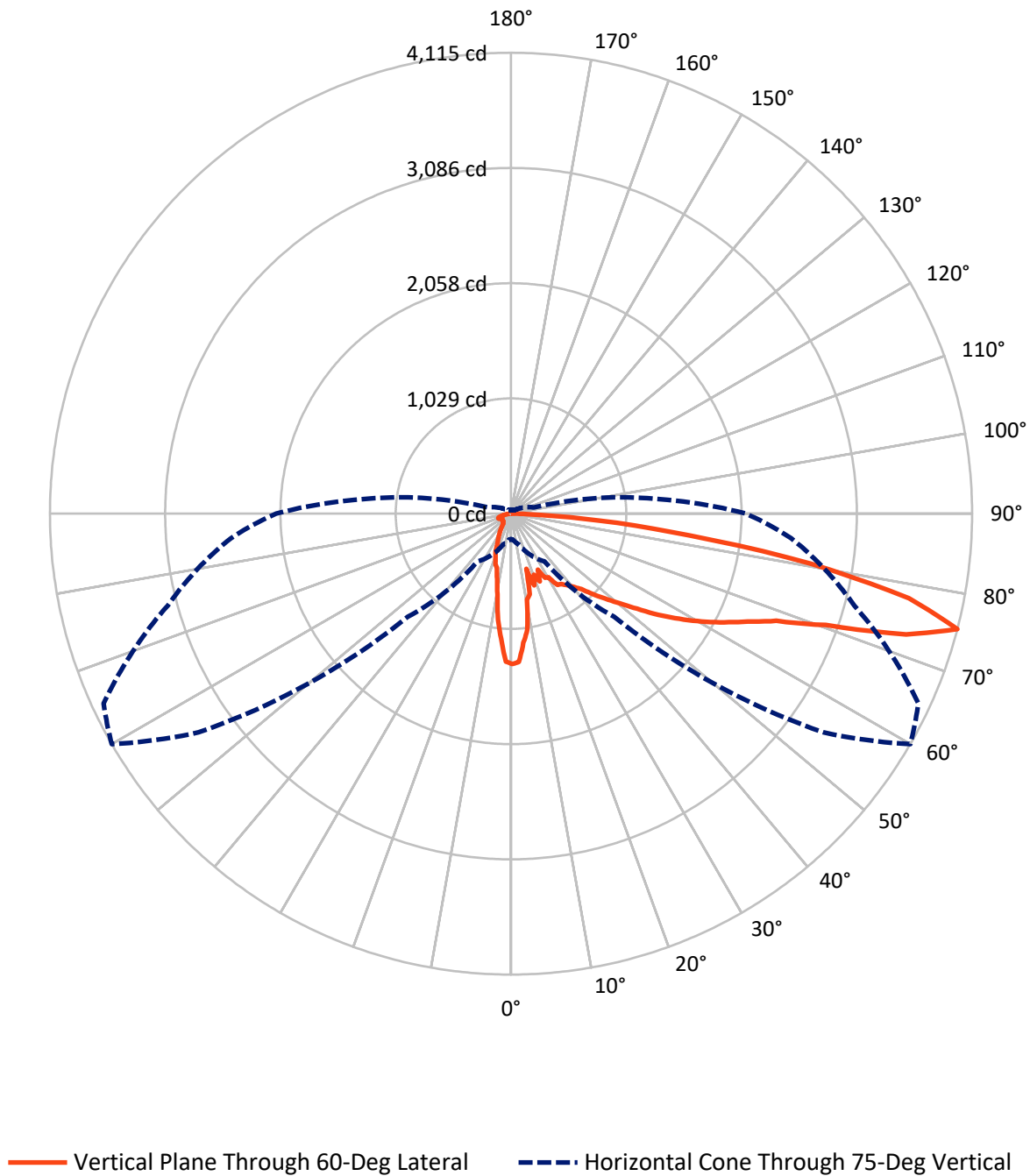


Based on 10 foot mounting height. Maximum calculated value = 13.4 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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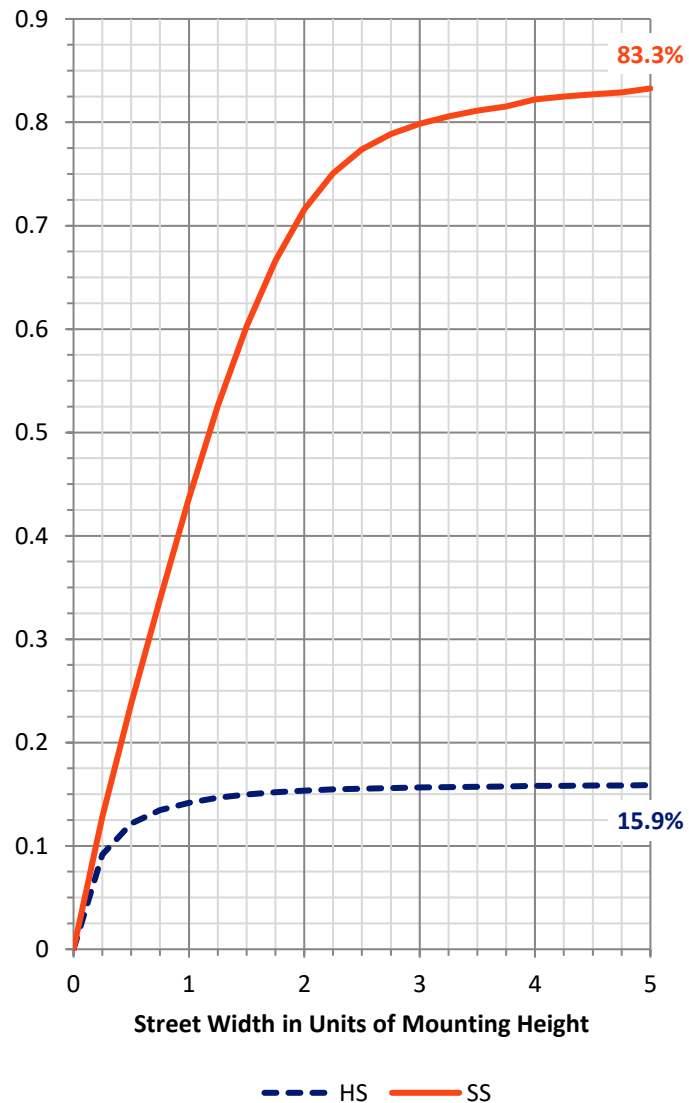
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	756.2	0.0	756.2
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	3948.2	0.0	3948.2
	% Fixture	83.9	0.0	83.9
Total	Lumens	4704.4	0.0	4704.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.9	2.1
10°-20°	176.6	3.8
20°-30°	231.4	4.9
30°-40°	381.8	8.1
40°-50°	596.2	12.7
50°-60°	907.7	19.3
60°-70°	1124.6	23.9
70°-80°	993.5	21.1
80°-90°	194.8	4.1
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°	4704.4	100.0
0°-180°	4704.4	100.0

Coefficient of Utilization



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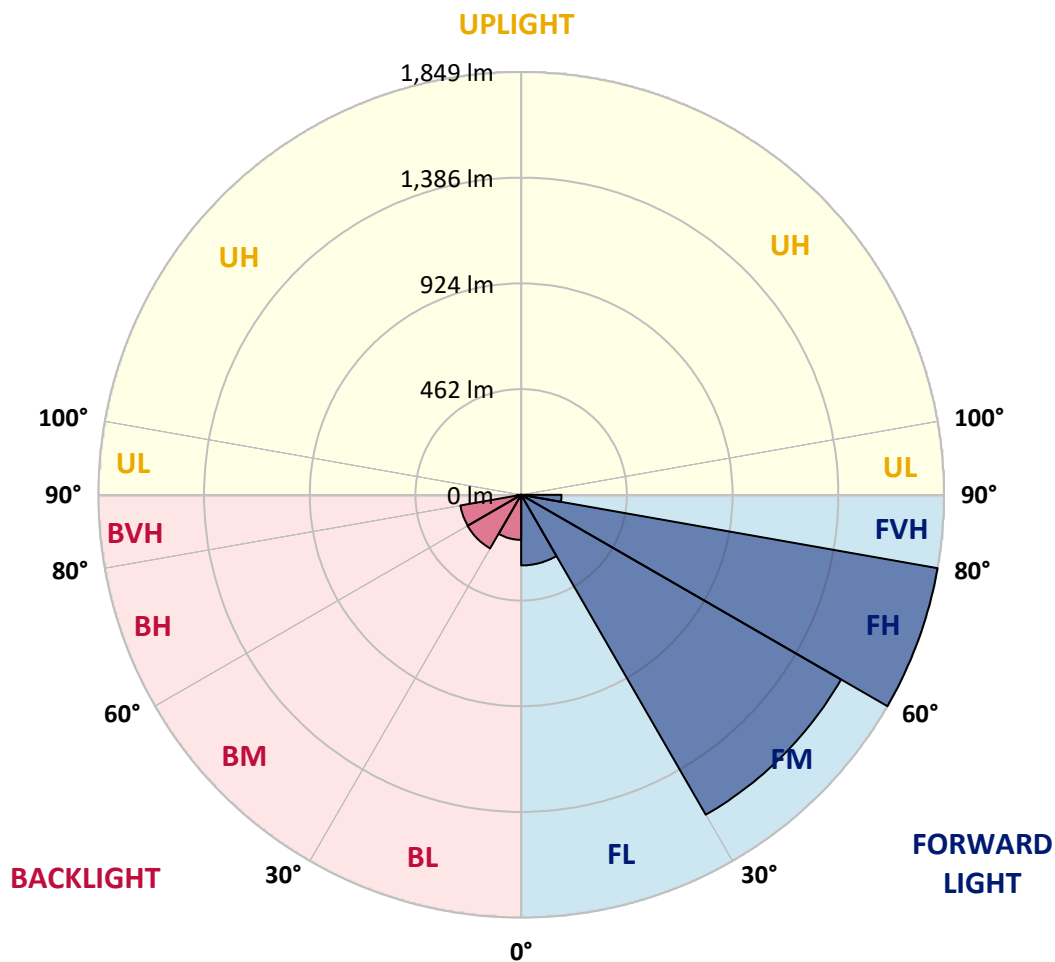
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	308.9	6.6			
FM	(30°-60°)	1614.7	34.3			
FH	(60°-80°)	1848.5	39.3			G2/5000
FVH	(80°-90°)	176.2	3.7			G2/225
BL	(0°-30°)	197.0	4.2	B1/500		
BM	(30°-60°)	270.9	5.8	B1/1000		
BH	(60°-80°)	269.7	5.7	B1/500		G1/500
BVH	(80°-90°)	18.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9
2.5°	1114.5	1240.3	1211.0	1181.7	1226.5	1269.5	1283.3	1295.4	1302.3	1309.2	1316.0
5°	1035.3	1037.0	1038.7	1040.4	1045.6	1049.0	1055.9	1062.8	1069.7	1074.9	1081.8
7.5°	799.3	826.8	871.6	916.4	944.0	969.8	985.3	999.1	1009.4	1019.8	1030.1
10°	888.8	894.0	895.7	895.7	904.4	913.0	847.5	780.3	813.1	845.8	809.6
12.5°	697.6	716.6	773.4	828.6	845.8	861.3	830.3	799.3	751.0	701.1	697.6
15°	801.0	806.2	807.9	807.9	754.5	701.1	664.9	627.0	656.3	683.9	620.1
17.5°	620.1	625.3	670.1	714.9	723.5	732.1	694.2	656.3	571.9	485.8	566.7
20°	737.3	740.7	740.7	740.7	651.1	561.6	568.4	573.6	601.2	628.7	606.3
22.5°	594.3	594.3	594.3	594.3	621.8	647.7	592.6	537.4	568.4	599.5	571.9
25°	747.6	752.8	740.7	726.9	644.2	561.6	587.4	613.2	566.7	520.2	561.6
27.5°	682.1	677.0	652.9	627.0	639.1	651.1	594.3	537.4	573.6	609.8	592.6
30°	906.1	890.6	864.7	838.9	740.7	642.5	627.0	611.5	580.5	547.8	584.0
32.5°	1204.1	1164.5	1043.9	923.3	863.0	802.7	725.2	647.7	640.8	632.2	642.5
35°	1283.3	1257.5	1207.5	1155.8	1052.5	947.4	849.2	749.3	716.6	682.1	689.0
37.5°	1298.8	1290.2	1279.9	1267.8	1162.7	1057.7	950.9	844.1	809.6	773.4	747.6
40°	1310.9	1317.8	1336.7	1353.9	1248.9	1142.1	1045.6	947.4	911.2	873.3	828.6
42.5°	1366.0	1384.9	1409.1	1431.5	1335.0	1238.5	1154.1	1069.7	1023.2	976.7	935.4
45°	1493.5	1503.8	1529.6	1553.8	1462.5	1369.4	1273.0	1174.8	1135.2	1095.6	1054.2
47.5°	1679.5	1696.7	1695.0	1693.3	1591.7	1488.3	1379.8	1269.5	1243.7	1216.1	1176.5
50°	1913.8	1901.7	1869.0	1836.3	1726.0	1614.1	1486.6	1357.4	1345.3	1331.5	1298.8
52.5°	2030.9	2022.3	1977.5	1931.0	1819.0	1707.1	1569.3	1429.7	1445.2	1460.7	1429.7
55°	2037.8	2032.6	1999.9	1967.2	1858.7	1750.1	1627.8	1505.5	1543.4	1581.3	1569.3
57.5°	1987.8	1989.6	1979.2	1967.2	1870.7	1774.3	1672.6	1571.0	1636.4	1700.2	1712.2
60°	1860.4	1886.2	1903.4	1920.7	1860.4	1800.1	1712.2	1624.4	1724.3	1824.2	1856.9
62.5°	1624.4	1646.8	1708.8	1769.1	1781.1	1791.5	1732.9	1672.6	1807.0	1939.6	1993.0
65°	1259.2	1290.2	1383.2	1476.2	1572.7	1669.2	1683.0	1696.7	1924.1	2151.5	2196.3
67.5°	785.5	802.7	900.9	997.4	1192.0	1384.9	1495.2	1605.4	1998.2	2389.2	2459.8
70°	415.1	441.0	489.2	535.7	702.8	869.9	1093.8	1317.8	1886.2	2454.7	2744.1
72.5°	315.2	325.6	351.4	377.2	435.8	494.4	635.6	776.9	1476.2	2173.9	2840.5
75°	227.4	236.0	263.6	289.4	348.0	404.8	463.4	520.2	911.2	1302.3	2354.8
77.5°	132.6	136.1	149.9	161.9	253.2	344.5	408.2	470.3	565.0	658.0	1681.2
80°	91.3	93.0	98.2	103.4	143.0	182.6	304.9	427.2	470.3	511.6	1114.5
82.5°	60.3	68.9	72.3	75.8	89.6	103.4	179.1	253.2	372.1	489.2	761.4
85°	31.0	34.5	41.3	46.5	53.4	58.6	81.0	101.6	308.3	513.3	547.8
87.5°	3.4	5.2	6.9	6.9	8.6	10.3	15.5	20.7	93.0	165.4	141.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9
2.5°	1322.9	1326.4	1324.7	1328.1	1329.8	1331.5	1333.3	1333.3	1331.5	1328.1	1324.7
5°	1088.7	1157.6	1274.7	1286.8	1298.8	1302.3	1305.7	1307.4	1304.0	1298.8	1293.7
7.5°	1038.7	1049.0	944.0	1028.4	1111.1	1118.0	1123.1	1119.7	1121.4	1074.9	1026.7
10°	773.4	782.0	785.5	811.3	835.4	892.3	949.1	940.5	933.6	851.0	766.5
12.5°	694.2	739.0	749.3	706.3	663.2	721.8	780.3	773.4	761.4	685.6	609.8
15°	556.4	509.9	609.8	702.8	794.1	849.2	902.6	887.1	873.3	776.9	678.7
17.5°	646.0	673.5	640.8	654.6	668.4	709.7	749.3	725.2	716.6	649.4	580.5
20°	584.0	582.2	559.8	640.8	721.8	802.7	882.0	857.8	816.5	685.6	552.9
22.5°	544.3	656.3	704.5	694.2	682.1	651.1	618.4	597.7	566.7	537.4	506.4
25°	601.2	554.7	592.6	716.6	838.9	861.3	883.7	832.0	764.8	632.2	499.5
27.5°	575.3	647.7	695.9	778.6	859.6	937.1	1014.6	945.7	857.8	692.5	525.4
30°	620.1	659.7	794.1	949.1	1104.2	1131.7	1157.6	1062.8	945.7	778.6	611.5
32.5°	652.9	757.9	876.8	997.4	1116.2	1136.9	1157.6	1050.8	916.4	732.1	547.8
35°	694.2	771.7	880.2	1021.5	1162.7	1167.9	1171.3	1047.3	895.7	687.3	477.2
37.5°	721.8	809.6	926.7	1076.6	1226.5	1216.1	1204.1	1062.8	888.8	656.3	423.8
40°	783.8	859.6	985.3	1138.6	1291.9	1274.7	1257.5	1095.6	890.6	625.3	358.3
42.5°	892.3	921.6	1057.7	1221.3	1384.9	1366.0	1345.3	1152.4	911.2	608.1	303.2
45°	1011.2	1024.9	1142.1	1328.1	1514.1	1490.0	1465.9	1240.3	949.1	599.5	249.8
47.5°	1135.2	1131.7	1240.3	1465.9	1689.8	1638.2	1586.5	1343.6	1019.8	616.7	213.6
50°	1264.4	1259.2	1364.3	1607.2	1850.0	1794.9	1739.8	1467.6	1100.7	647.7	192.9
52.5°	1397.0	1409.1	1486.6	1739.8	1991.3	1941.3	1889.7	1602.0	1180.0	682.1	184.3
55°	1555.5	1593.4	1624.4	1877.6	2130.8	2080.9	2029.2	1739.8	1290.2	735.5	180.9
57.5°	1722.6	1772.5	1786.3	2017.1	2248.0	2215.2	2180.8	1870.7	1402.2	797.6	191.2
60°	1889.7	1955.1	2005.1	2191.1	2375.4	2337.5	2299.6	2003.4	1507.3	866.5	225.7
62.5°	2044.7	2136.0	2217.0	2353.0	2487.4	2442.6	2397.8	2118.8	1626.1	961.2	294.6
65°	2239.3	2320.3	2408.2	2497.7	2585.6	2542.5	2499.5	2263.5	1784.6	1080.1	373.8
67.5°	2530.5	2554.6	2599.4	2654.5	2707.9	2682.0	2654.5	2440.9	1922.4	1149.0	373.8
70°	3031.7	2978.3	2911.1	2909.4	2906.0	2864.6	2821.6	2540.8	1931.0	1121.4	311.8
72.5°	3505.4	3688.0	3474.4	3319.4	3164.4	2981.8	2797.5	2406.4	1705.3	976.7	248.1
75°	3405.5	4115.2	4011.9	3591.6	3171.3	2840.5	2509.8	2096.4	1403.9	807.9	211.9
77.5°	2702.7	3631.2	3729.4	3343.5	2955.9	2508.1	2058.5	1620.9	973.3	575.3	177.4
80°	1715.7	2714.8	2732.0	2373.7	2013.7	1533.1	1052.5	706.3	468.5	304.9	141.3
82.5°	1033.5	1607.2	1398.7	1002.5	606.3	420.3	232.5	223.9	172.3	127.5	82.7
85°	582.2	787.2	565.0	370.4	175.7	125.7	74.1	79.2	75.8	62.0	46.5
87.5°	115.4	136.1	93.0	53.4	13.8	13.8	12.1	12.1	8.6	8.6	6.9
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°	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9
2.5°	1324.7	1324.7	1321.2	1317.8	1316.0	1314.3	1262.6	1211.0	1176.5	1140.3	1131.7
5°	1229.9	1166.2	1118.0	1069.7	1059.4	1049.0	1047.3	1045.6	1040.4	1033.5	1031.8
7.5°	971.5	914.7	954.3	992.2	985.3	976.7	971.5	964.6	952.6	940.5	880.2
10°	747.6	728.6	728.6	726.9	713.1	699.4	730.4	761.4	795.8	830.3	826.8
12.5°	637.4	663.2	596.0	527.1	565.0	601.2	635.6	668.4	685.6	702.8	649.4
15°	601.2	521.9	499.5	477.2	494.4	511.6	461.6	410.0	449.6	489.2	497.8
17.5°	539.2	497.8	475.4	451.3	385.9	318.7	341.1	363.5	361.7	360.0	351.4
20°	503.0	451.3	411.7	370.4	339.3	308.3	275.6	241.2	225.7	208.4	249.8
22.5°	478.9	451.3	368.6	285.9	261.8	237.7	211.9	184.3	194.7	203.3	210.2
25°	418.6	335.9	289.4	242.9	205.0	165.4	167.1	168.8	160.2	151.6	191.2
27.5°	423.8	320.4	248.1	175.7	161.9	146.4	137.8	127.5	141.3	153.3	156.8
30°	444.4	277.3	210.2	143.0	127.5	112.0	117.1	120.6	120.6	120.6	137.8
32.5°	394.5	241.2	179.1	115.4	106.8	96.5	98.2	98.2	106.8	115.4	124.0
35°	334.2	189.5	146.4	101.6	93.0	84.4	87.9	91.3	99.9	108.5	120.6
37.5°	287.7	149.9	120.6	91.3	86.1	81.0	82.7	84.4	93.0	99.9	110.2
40°	242.9	125.7	106.8	87.9	82.7	77.5	79.2	79.2	86.1	93.0	99.9
42.5°	210.2	115.4	101.6	86.1	81.0	74.1	75.8	75.8	81.0	86.1	91.3
45°	180.9	110.2	98.2	84.4	79.2	72.3	72.3	70.6	75.8	79.2	82.7
47.5°	161.9	108.5	96.5	84.4	77.5	68.9	67.2	65.5	70.6	74.1	79.2
50°	151.6	108.5	96.5	82.7	74.1	65.5	63.7	62.0	68.9	74.1	82.7
52.5°	148.1	110.2	96.5	82.7	72.3	62.0	62.0	62.0	74.1	86.1	89.6
55°	148.1	113.7	98.2	81.0	70.6	60.3	63.7	67.2	70.6	74.1	74.1
57.5°	151.6	112.0	94.7	77.5	70.6	62.0	60.3	58.6	60.3	62.0	62.0
60°	167.1	108.5	91.3	74.1	65.5	56.8	55.1	53.4	56.8	58.6	58.6
62.5°	201.5	106.8	91.3	74.1	63.7	53.4	53.4	51.7	53.4	55.1	56.8
65°	246.3	118.9	96.5	74.1	63.7	53.4	50.0	46.5	50.0	51.7	51.7
67.5°	256.7	139.5	112.0	82.7	67.2	51.7	48.2	44.8	48.2	50.0	50.0
70°	232.5	153.3	120.6	87.9	70.6	51.7	48.2	43.1	44.8	46.5	44.8
72.5°	199.8	149.9	118.9	86.1	68.9	50.0	46.5	41.3	43.1	43.1	41.3
75°	170.5	129.2	101.6	72.3	58.6	43.1	39.6	36.2	37.9	37.9	37.9
77.5°	143.0	106.8	82.7	56.8	46.5	34.5	32.7	31.0	32.7	34.5	32.7
80°	112.0	81.0	62.0	41.3	34.5	25.8	27.6	27.6	29.3	29.3	29.3
82.5°	65.5	48.2	39.6	29.3	24.1	18.9	20.7	22.4	24.1	24.1	24.1
85°	39.6	31.0	25.8	20.7	17.2	12.1	15.5	17.2	17.2	17.2	15.5
87.5°	6.9	6.9	6.9	6.9	5.2	3.4	6.9	8.6	8.6	8.6	6.9
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):

	165°	170°	175°	180°
0°	1341.9	1341.9	1341.9	1341.9
2.5°	1121.4	1121.4	1119.7	1119.7
5°	1030.1	1026.7	1023.2	1026.7
7.5°	819.9	795.8	771.7	778.6
10°	821.7	819.9	818.2	816.5
12.5°	594.3	575.3	556.4	544.3
15°	504.7	499.5	492.7	492.7
17.5°	341.1	325.6	310.1	299.7
20°	291.1	299.7	306.6	310.1
22.5°	217.0	223.9	230.8	234.3
25°	229.1	246.3	261.8	263.6
27.5°	158.5	167.1	174.0	170.5
30°	155.0	160.2	165.4	165.4
32.5°	132.6	146.4	160.2	161.9
35°	132.6	139.5	146.4	148.1
37.5°	118.9	124.0	127.5	129.2
40°	106.8	110.2	112.0	112.0
42.5°	94.7	103.4	110.2	110.2
45°	84.4	106.8	129.2	136.1
47.5°	82.7	115.4	148.1	155.0
50°	89.6	120.6	149.9	153.3
52.5°	91.3	108.5	124.0	124.0
55°	72.3	81.0	87.9	86.1
57.5°	62.0	68.9	74.1	74.1
60°	58.6	67.2	74.1	75.8
62.5°	56.8	60.3	63.7	67.2
65°	51.7	51.7	51.7	51.7
67.5°	48.2	48.2	46.5	46.5
70°	43.1	43.1	43.1	43.1
72.5°	39.6	39.6	39.6	37.9
75°	36.2	36.2	34.5	34.5
77.5°	31.0	31.0	31.0	31.0
80°	27.6	27.6	25.8	25.8
82.5°	22.4	22.4	20.7	18.9
85°	13.8	13.8	12.1	10.3
87.5°	5.2	5.2	3.4	1.7
90°	0.0	0.0	0.0	0.0

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