

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: P560687

Luminaire Tested: **SDL-PA1-60-727-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560687
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-PA1-60-727-U-SL3
Description: Springdale
(1) 70 CRI, 2700K, 800mA 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: 6235.3 lumens
Efficiency: N/A
Efficacy: 99.9 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 - G3

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

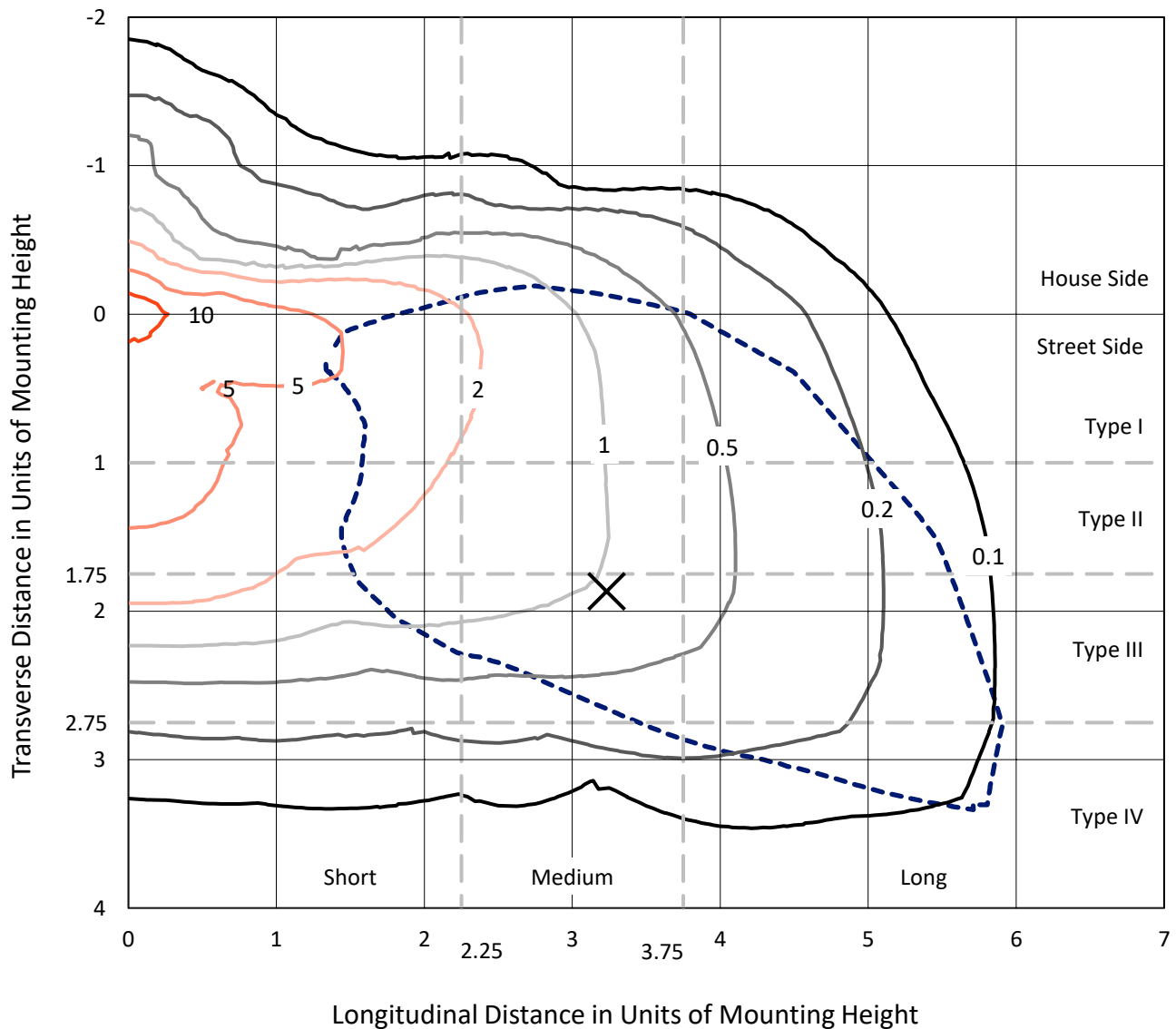


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

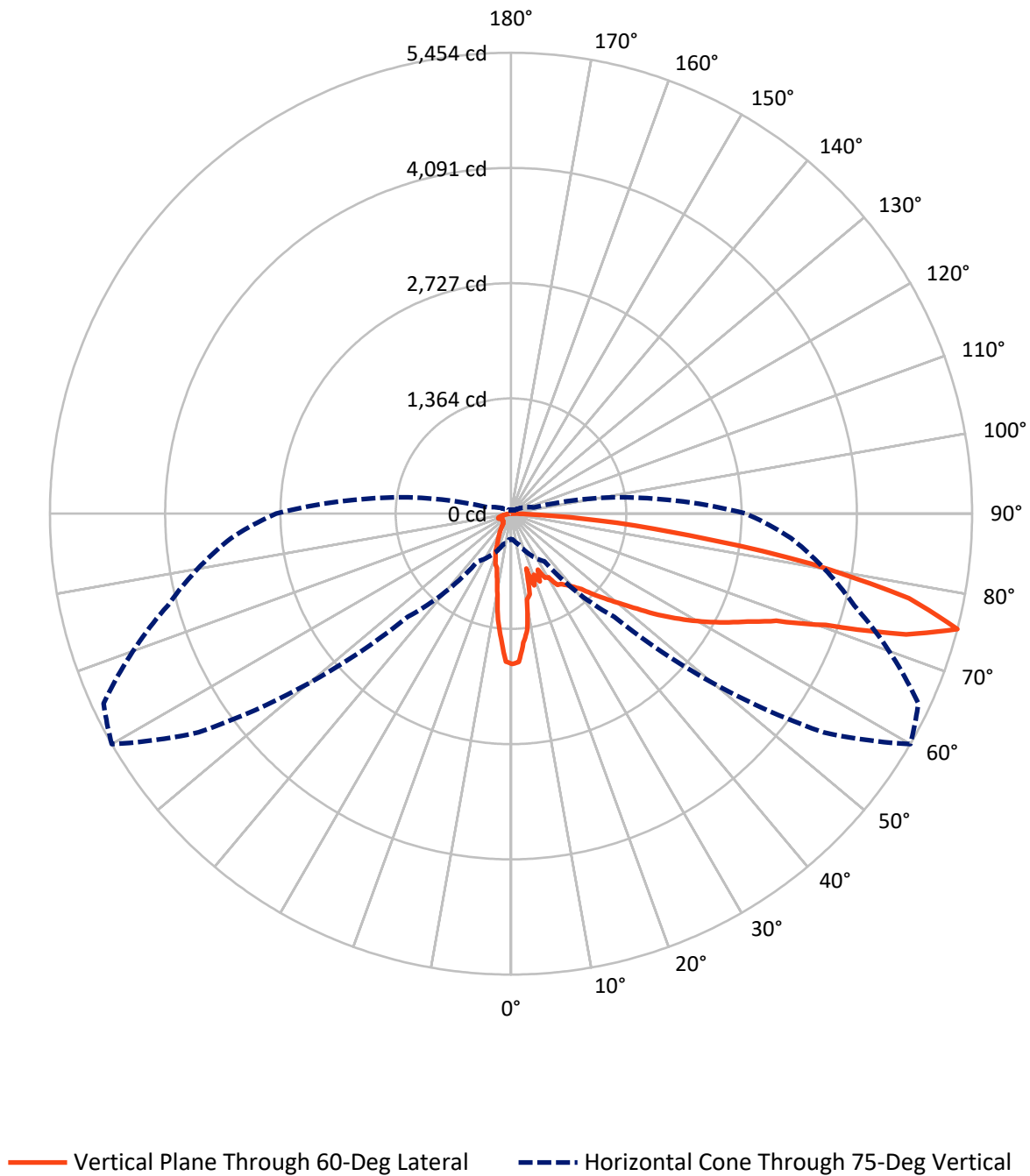


Based on 10 foot mounting height. Maximum calculated value = 17.8 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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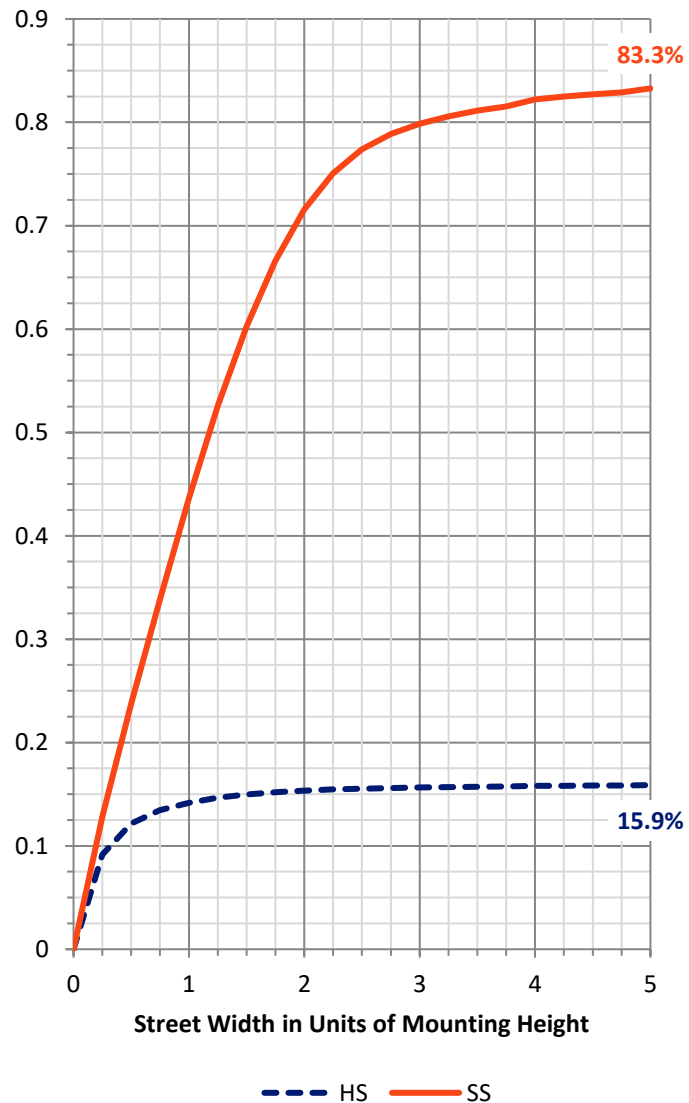
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1002.2	0.0	1002.2
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	5233.0	0.0	5233.0
	% Fixture	83.9	0.0	83.9
Total	Lumens	6235.3	0.0	6235.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.7	2.1
10°-20°	234.1	3.8
20°-30°	306.6	4.9
30°-40°	506.0	8.1
40°-50°	790.2	12.7
50°-60°	1203.0	19.3
60°-70°	1490.6	23.9
70°-80°	1316.8	21.1
80°-90°	258.1	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°	6235.3	100.0
0°-180°	6235.3	100.0

Coefficient of Utilization



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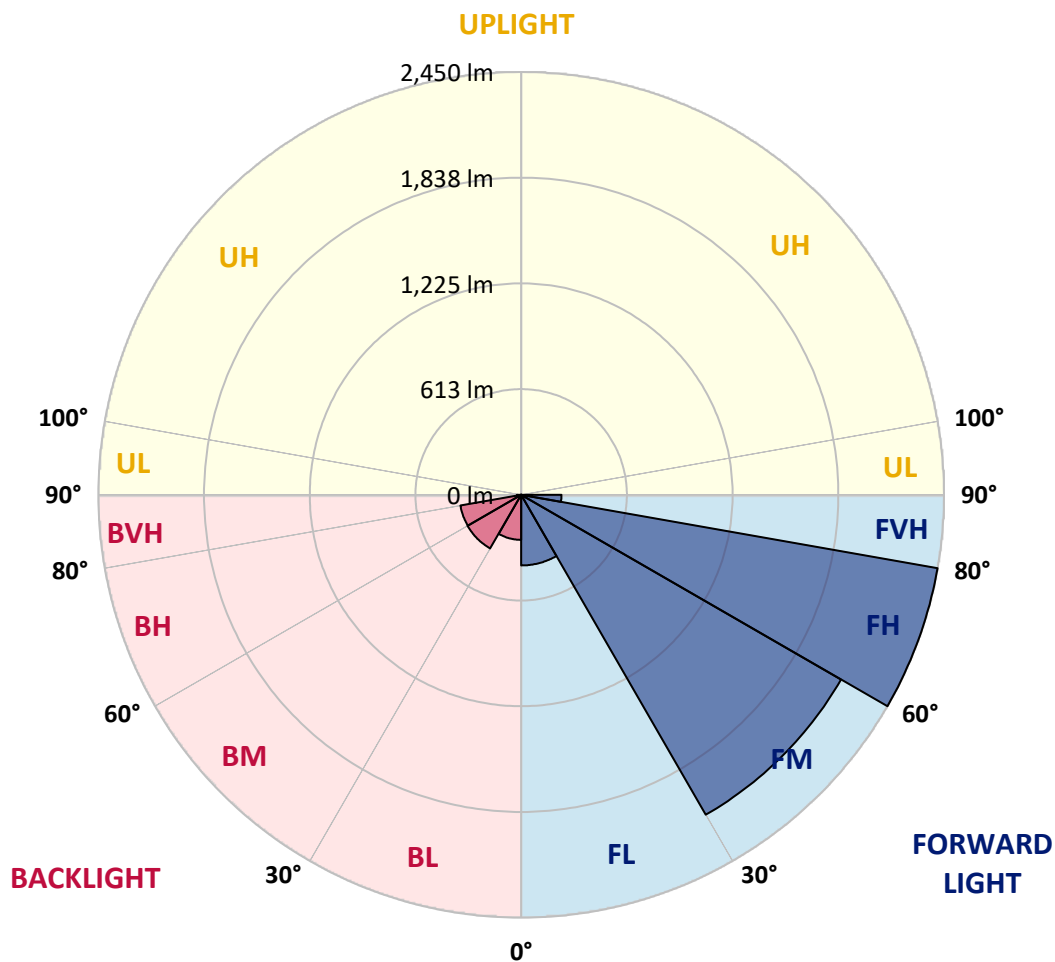
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	409.4	6.6			
FM	(30°-60°)	2140.1	34.3			
FH	(60°-80°)	2450.0	39.3			G2/5000
FVH	(80°-90°)	233.5	3.7			G3/500
BL	(0°-30°)	261.1	4.2	B1/500		
BM	(30°-60°)	359.1	5.8	B1/1000		
BH	(60°-80°)	357.4	5.7	B1/500		G1/500
BVH	(80°-90°)	24.6	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-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5
2.5°	1477.2	1643.8	1605.0	1566.2	1625.6	1682.7	1700.9	1716.9	1726.0	1735.2	1744.3
5°	1372.1	1374.4	1376.7	1379.0	1385.8	1390.4	1399.5	1408.7	1417.8	1424.7	1433.8
7.5°	1059.4	1095.9	1155.3	1214.6	1251.1	1285.4	1305.9	1324.2	1337.9	1351.6	1365.3
10°	1178.1	1184.9	1187.2	1187.2	1198.6	1210.0	1123.3	1034.2	1077.6	1121.0	1073.1
12.5°	924.7	949.8	1025.1	1098.2	1121.0	1141.6	1100.5	1059.4	995.4	929.2	924.7
15°	1061.6	1068.5	1070.8	1070.8	1000.0	929.2	881.3	831.1	869.9	906.4	821.9
17.5°	821.9	828.8	888.1	947.5	958.9	970.3	920.1	869.9	758.0	643.8	751.1
20°	977.2	981.7	981.7	981.7	863.0	744.3	753.4	760.3	796.8	833.3	803.7
22.5°	787.7	787.7	787.7	787.7	824.2	858.4	785.4	712.3	753.4	794.5	758.0
25°	990.9	997.7	981.7	963.5	853.9	744.3	778.5	812.8	751.1	689.5	744.3
27.5°	904.1	897.3	865.3	831.1	847.0	863.0	787.7	712.3	760.3	808.2	785.4
30°	1200.9	1180.4	1146.1	1111.9	981.7	851.6	831.1	810.5	769.4	726.0	774.0
32.5°	1595.9	1543.4	1383.6	1223.7	1143.8	1063.9	961.2	858.4	849.3	837.9	851.6
35°	1700.9	1666.7	1600.5	1532.0	1395.0	1255.7	1125.6	993.2	949.8	904.1	913.2
37.5°	1721.5	1710.0	1696.4	1680.4	1541.1	1401.8	1260.3	1118.7	1073.1	1025.1	990.9
40°	1737.4	1746.6	1771.7	1794.5	1655.3	1513.7	1385.8	1255.7	1207.8	1157.5	1098.2
42.5°	1810.5	1835.6	1867.6	1897.3	1769.4	1641.6	1529.7	1417.8	1356.2	1294.5	1239.7
45°	1979.5	1993.2	2027.4	2059.4	1938.4	1815.1	1687.2	1557.1	1504.6	1452.1	1397.3
47.5°	2226.0	2248.9	2246.6	2244.3	2109.6	1972.6	1828.8	1682.7	1648.4	1611.9	1559.4
50°	2536.5	2520.6	2477.2	2433.8	2287.7	2139.3	1970.3	1799.1	1783.1	1764.8	1721.5
52.5°	2691.8	2680.4	2621.0	2559.4	2411.0	2262.6	2079.9	1895.0	1915.5	1936.1	1895.0
55°	2700.9	2694.1	2650.7	2607.3	2463.5	2319.6	2157.5	1995.4	2045.7	2095.9	2079.9
57.5°	2634.7	2637.0	2623.3	2607.3	2479.5	2351.6	2216.9	2082.2	2169.0	2253.4	2269.4
60°	2465.8	2500.0	2522.8	2545.7	2465.8	2385.8	2269.4	2153.0	2285.4	2417.8	2461.2
62.5°	2153.0	2182.7	2264.8	2344.8	2360.7	2374.4	2296.8	2216.9	2395.0	2570.8	2641.6
65°	1669.0	1710.0	1833.3	1956.6	2084.5	2212.3	2230.6	2248.9	2550.2	2851.6	2911.0
67.5°	1041.1	1063.9	1194.1	1321.9	1579.9	1835.6	1981.7	2127.9	2648.4	3166.7	3260.3
70°	550.2	584.5	648.4	710.0	931.5	1153.0	1449.8	1746.6	2500.0	3253.4	3637.0
72.5°	417.8	431.5	465.8	500.0	577.6	655.3	842.5	1029.7	1956.6	2881.3	3764.8
75°	301.4	312.8	349.3	383.6	461.2	536.5	614.2	689.5	1207.8	1726.0	3121.0
77.5°	175.8	180.4	198.6	214.6	335.6	456.6	541.1	623.3	748.9	872.1	2228.3
80°	121.0	123.3	130.1	137.0	189.5	242.0	404.1	566.2	623.3	678.1	1477.2
82.5°	79.9	91.3	95.9	100.5	118.7	137.0	237.4	335.6	493.2	648.4	1009.1
85°	41.1	45.7	54.8	61.6	70.8	77.6	107.3	134.7	408.7	680.4	726.0
87.5°	4.6	6.8	9.1	9.1	11.4	13.7	20.5	27.4	123.3	219.2	187.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5
2.5°	1753.4	1758.0	1755.7	1760.3	1762.6	1764.8	1767.1	1767.1	1764.8	1760.3	1755.7
5°	1442.9	1534.2	1689.5	1705.5	1721.5	1726.0	1730.6	1732.9	1728.3	1721.5	1714.6
7.5°	1376.7	1390.4	1251.1	1363.0	1472.6	1481.7	1488.6	1484.0	1486.3	1424.7	1360.7
10°	1025.1	1036.5	1041.1	1075.3	1107.3	1182.7	1258.0	1246.6	1237.4	1127.9	1016.0
12.5°	920.1	979.5	993.2	936.1	879.0	956.6	1034.2	1025.1	1009.1	908.7	808.2
15°	737.4	675.8	808.2	931.5	1052.5	1125.6	1196.3	1175.8	1157.5	1029.7	899.5
17.5°	856.2	892.7	849.3	867.6	885.8	940.6	993.2	961.2	949.8	860.7	769.4
20°	774.0	771.7	742.0	849.3	956.6	1063.9	1169.0	1137.0	1082.2	908.7	732.9
22.5°	721.5	869.9	933.8	920.1	904.1	863.0	819.6	792.2	751.1	712.3	671.2
25°	796.8	735.2	785.4	949.8	1111.9	1141.6	1171.2	1102.7	1013.7	837.9	662.1
27.5°	762.6	858.4	922.4	1032.0	1139.3	1242.0	1344.8	1253.4	1137.0	917.8	696.3
30°	821.9	874.4	1052.5	1258.0	1463.5	1500.0	1534.2	1408.7	1253.4	1032.0	810.5
32.5°	865.3	1004.6	1162.1	1321.9	1479.5	1506.9	1534.2	1392.7	1214.6	970.3	726.0
35°	920.1	1022.8	1166.7	1353.9	1541.1	1547.9	1552.5	1388.1	1187.2	911.0	632.4
37.5°	956.6	1073.1	1228.3	1426.9	1625.6	1611.9	1595.9	1408.7	1178.1	869.9	561.6
40°	1038.8	1139.3	1305.9	1509.1	1712.3	1689.5	1666.7	1452.1	1180.4	828.8	474.9
42.5°	1182.7	1221.5	1401.8	1618.7	1835.6	1810.5	1783.1	1527.4	1207.8	805.9	401.8
45°	1340.2	1358.5	1513.7	1760.3	2006.9	1974.9	1942.9	1643.8	1258.0	794.5	331.1
47.5°	1504.6	1500.0	1643.8	1942.9	2239.7	2171.2	2102.7	1780.8	1351.6	817.4	283.1
50°	1675.8	1669.0	1808.2	2130.1	2452.1	2379.0	2305.9	1945.2	1458.9	858.4	255.7
52.5°	1851.6	1867.6	1970.3	2305.9	2639.3	2573.1	2504.6	2123.3	1563.9	904.1	244.3
55°	2061.6	2111.9	2153.0	2488.6	2824.2	2758.0	2689.5	2305.9	1710.0	974.9	239.7
57.5°	2283.1	2349.3	2367.6	2673.5	2979.5	2936.1	2890.4	2479.5	1858.5	1057.1	253.4
60°	2504.6	2591.3	2657.5	2904.1	3148.4	3098.2	3048.0	2655.3	1997.7	1148.4	299.1
62.5°	2710.1	2831.1	2938.4	3118.7	3296.8	3237.4	3178.1	2808.2	2155.3	1274.0	390.4
65°	2968.0	3075.3	3191.8	3310.5	3426.9	3369.9	3312.8	3000.0	2365.3	1431.5	495.4
67.5°	3353.9	3385.9	3445.2	3518.3	3589.0	3554.8	3518.3	3235.2	2548.0	1522.8	495.4
70°	4018.3	3947.5	3858.5	3856.2	3851.6	3796.8	3739.7	3367.6	2559.4	1486.3	413.2
72.5°	4646.1	4888.1	4605.0	4399.6	4194.1	3952.1	3707.8	3189.5	2260.3	1294.5	328.8
75°	4513.7	5454.3	5317.4	4760.3	4203.2	3764.8	3326.5	2778.5	1860.7	1070.8	280.8
77.5°	3582.2	4812.8	4942.9	4431.5	3917.8	3324.2	2728.3	2148.4	1290.0	762.6	235.2
80°	2274.0	3598.2	3621.0	3146.1	2669.0	2032.0	1395.0	936.1	621.0	404.1	187.2
82.5°	1369.9	2130.1	1853.9	1328.8	803.7	557.1	308.2	296.8	228.3	169.0	109.6
85°	771.7	1043.4	748.9	490.9	232.9	166.7	98.2	105.0	100.5	82.2	61.6
87.5°	153.0	180.4	123.3	70.8	18.3	18.3	16.0	16.0	11.4	11.4	9.1
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°	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5	1778.5
2.5°	1755.7	1755.7	1751.1	1746.6	1744.3	1742.0	1673.5	1605.0	1559.4	1511.4	1500.0
5°	1630.1	1545.7	1481.7	1417.8	1404.1	1390.4	1388.1	1385.8	1379.0	1369.9	1367.6
7.5°	1287.7	1212.3	1264.8	1315.1	1305.9	1294.5	1287.7	1278.5	1262.6	1246.6	1166.7
10°	990.9	965.8	965.8	963.5	945.2	926.9	968.0	1009.1	1054.8	1100.5	1095.9
12.5°	844.8	879.0	790.0	698.6	748.9	796.8	842.5	885.8	908.7	931.5	860.7
15°	796.8	691.8	662.1	632.4	655.3	678.1	611.9	543.4	595.9	648.4	659.8
17.5°	714.6	659.8	630.1	598.2	511.4	422.4	452.1	481.7	479.5	477.2	465.8
20°	666.7	598.2	545.7	490.9	449.8	408.7	365.3	319.6	299.1	276.3	331.1
22.5°	634.7	598.2	488.6	379.0	347.0	315.1	280.8	244.3	258.0	269.4	278.5
25°	554.8	445.2	383.6	321.9	271.7	219.2	221.5	223.7	212.3	200.9	253.4
27.5°	561.6	424.7	328.8	232.9	214.6	194.1	182.6	169.0	187.2	203.2	207.8
30°	589.0	367.6	278.5	189.5	169.0	148.4	155.3	159.8	159.8	159.8	182.6
32.5°	522.8	319.6	237.4	153.0	141.6	127.9	130.1	130.1	141.6	153.0	164.4
35°	442.9	251.1	194.1	134.7	123.3	111.9	116.4	121.0	132.4	143.8	159.8
37.5°	381.3	198.6	159.8	121.0	114.2	107.3	109.6	111.9	123.3	132.4	146.1
40°	321.9	166.7	141.6	116.4	109.6	102.7	105.0	105.0	114.2	123.3	132.4
42.5°	278.5	153.0	134.7	114.2	107.3	98.2	100.5	100.5	107.3	114.2	121.0
45°	239.7	146.1	130.1	111.9	105.0	95.9	95.9	93.6	100.5	105.0	109.6
47.5°	214.6	143.8	127.9	111.9	102.7	91.3	89.0	86.8	93.6	98.2	105.0
50°	200.9	143.8	127.9	109.6	98.2	86.8	84.5	82.2	91.3	98.2	109.6
52.5°	196.3	146.1	127.9	109.6	95.9	82.2	82.2	82.2	98.2	114.2	118.7
55°	196.3	150.7	130.1	107.3	93.6	79.9	84.5	89.0	93.6	98.2	98.2
57.5°	200.9	148.4	125.6	102.7	93.6	82.2	79.9	77.6	79.9	82.2	82.2
60°	221.5	143.8	121.0	98.2	86.8	75.3	73.1	70.8	75.3	77.6	77.6
62.5°	267.1	141.6	121.0	98.2	84.5	70.8	70.8	68.5	70.8	73.1	75.3
65°	326.5	157.5	127.9	98.2	84.5	70.8	66.2	61.6	66.2	68.5	68.5
67.5°	340.2	184.9	148.4	109.6	89.0	68.5	63.9	59.4	63.9	66.2	66.2
70°	308.2	203.2	159.8	116.4	93.6	68.5	63.9	57.1	59.4	61.6	59.4
72.5°	264.8	198.6	157.5	114.2	91.3	66.2	61.6	54.8	57.1	57.1	54.8
75°	226.0	171.2	134.7	95.9	77.6	57.1	52.5	47.9	50.2	50.2	50.2
77.5°	189.5	141.6	109.6	75.3	61.6	45.7	43.4	41.1	43.4	45.7	43.4
80°	148.4	107.3	82.2	54.8	45.7	34.2	36.5	36.5	38.8	38.8	38.8
82.5°	86.8	63.9	52.5	38.8	32.0	25.1	27.4	29.7	32.0	32.0	32.0
85°	52.5	41.1	34.2	27.4	22.8	16.0	20.5	22.8	22.8	22.8	20.5
87.5°	9.1	9.1	9.1	9.1	6.8	4.6	9.1	11.4	11.4	11.4	9.1
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°	1778.5	1778.5	1778.5	1778.5
2.5°	1486.3	1486.3	1484.0	1484.0
5°	1365.3	1360.7	1356.2	1360.7
7.5°	1086.8	1054.8	1022.8	1032.0
10°	1089.0	1086.8	1084.5	1082.2
12.5°	787.7	762.6	737.4	721.5
15°	669.0	662.1	653.0	653.0
17.5°	452.1	431.5	411.0	397.3
20°	385.8	397.3	406.4	411.0
22.5°	287.7	296.8	305.9	310.5
25°	303.7	326.5	347.0	349.3
27.5°	210.0	221.5	230.6	226.0
30°	205.5	212.3	219.2	219.2
32.5°	175.8	194.1	212.3	214.6
35°	175.8	184.9	194.1	196.3
37.5°	157.5	164.4	169.0	171.2
40°	141.6	146.1	148.4	148.4
42.5°	125.6	137.0	146.1	146.1
45°	111.9	141.6	171.2	180.4
47.5°	109.6	153.0	196.3	205.5
50°	118.7	159.8	198.6	203.2
52.5°	121.0	143.8	164.4	164.4
55°	95.9	107.3	116.4	114.2
57.5°	82.2	91.3	98.2	98.2
60°	77.6	89.0	98.2	100.5
62.5°	75.3	79.9	84.5	89.0
65°	68.5	68.5	68.5	68.5
67.5°	63.9	63.9	61.6	61.6
70°	57.1	57.1	57.1	57.1
72.5°	52.5	52.5	52.5	50.2
75°	47.9	47.9	45.7	45.7
77.5°	41.1	41.1	41.1	41.1
80°	36.5	36.5	34.2	34.2
82.5°	29.7	29.7	27.4	25.1
85°	18.3	18.3	16.0	13.7
87.5°	6.8	6.8	4.6	2.3
90°	0.0	0.0	0.0	0.0

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