

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: P560533

Luminaire Tested: **SDL-PA1-50-730-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560533
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-PA1-50-730-U-SL3
Description: Springdale
(1) 70 CRI, 3000K, 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: 5828.1 lumens
Efficiency: N/A
Efficacy: 111.2 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

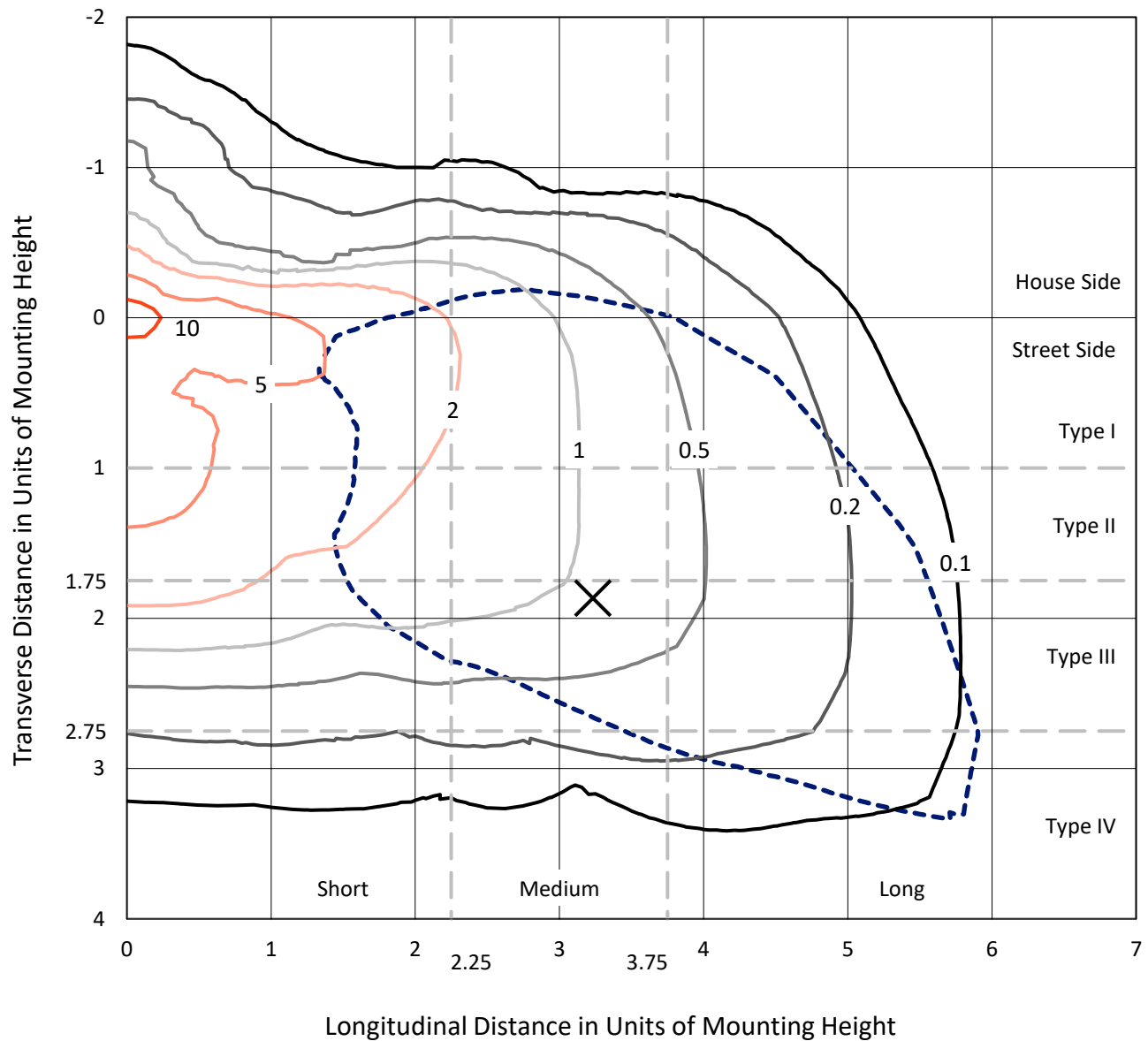


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

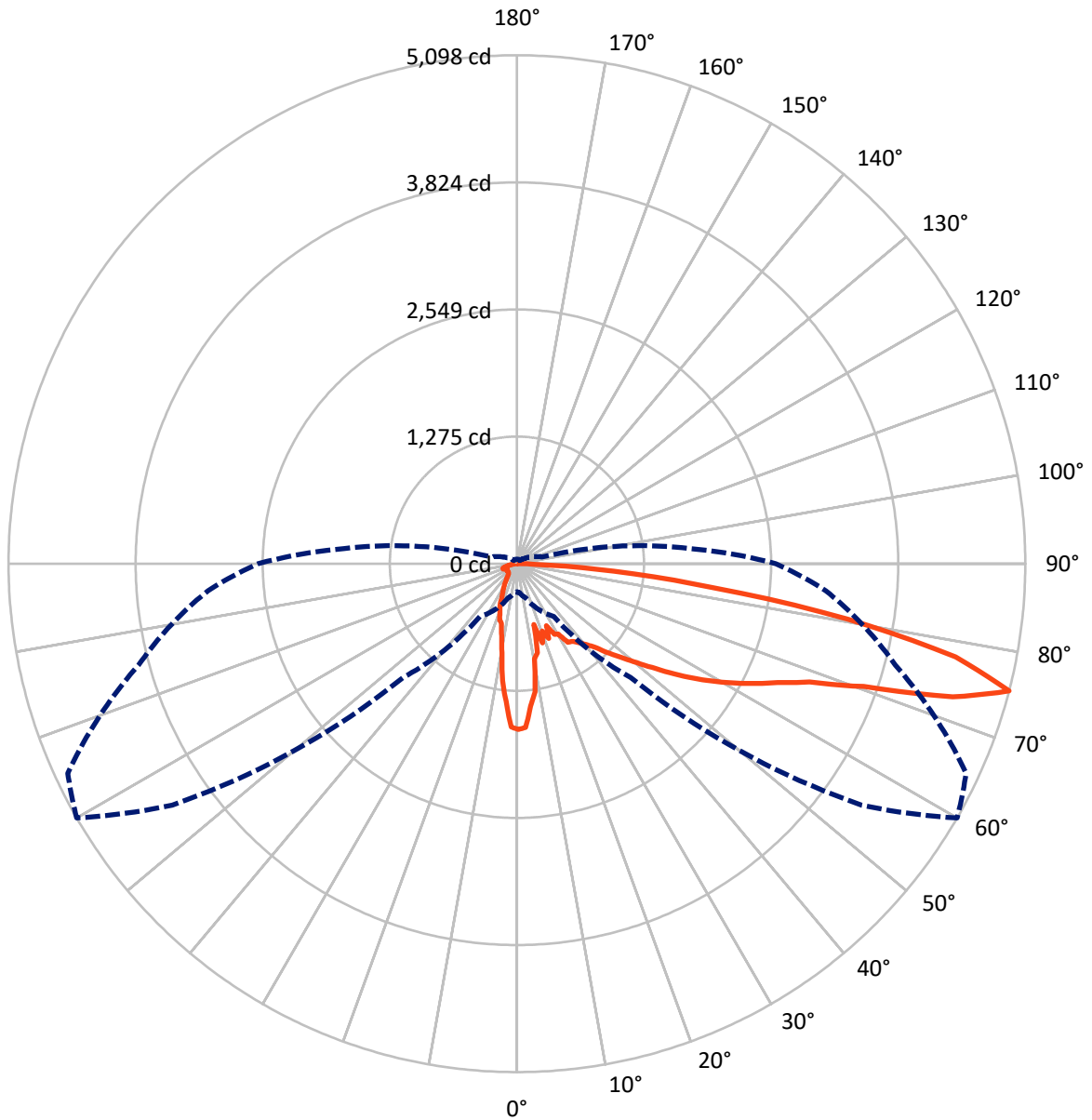


Based on 10 foot mounting height. Maximum calculated value = 16.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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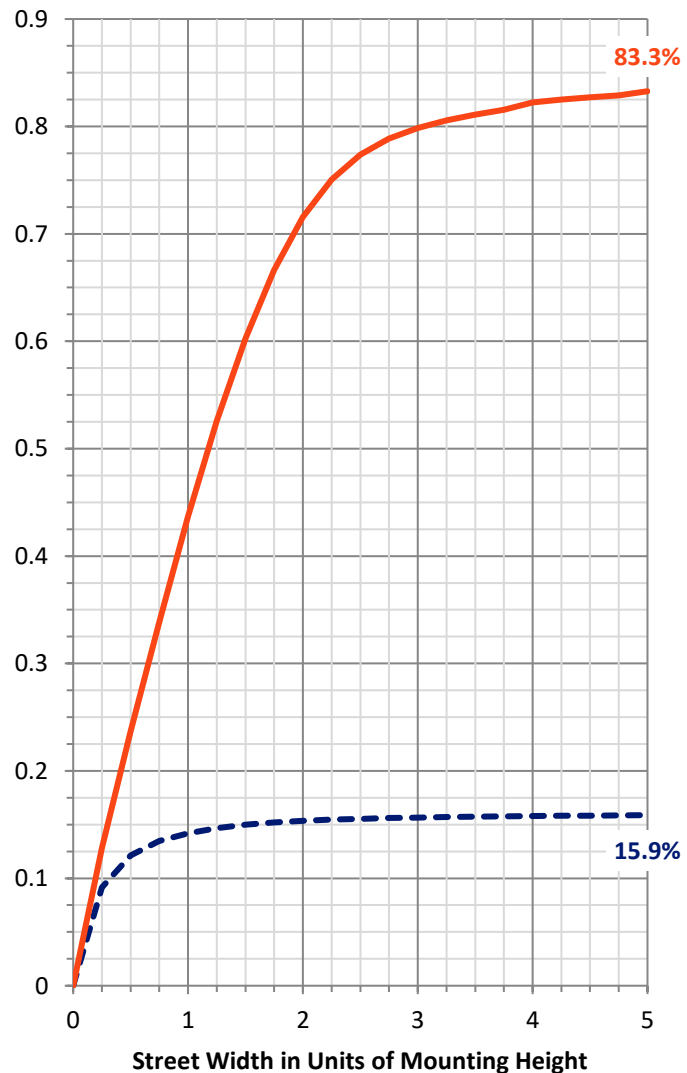
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	936.8	0.0	936.8
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	4891.4	0.0	4891.4
	% Fixture	83.9	0.0	83.9
Total	Lumens	5828.1	0.0	5828.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	2.1
10°-20°	218.8	3.8
20°-30°	286.6	4.9
30°-40°	473.0	8.1
40°-50°	738.6	12.7
50°-60°	1124.5	19.3
60°-70°	1393.3	23.9
70°-80°	1230.9	21.1
80°-90°	241.3	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°	5828.1	100.0
0°-180°	5828.1	100.0



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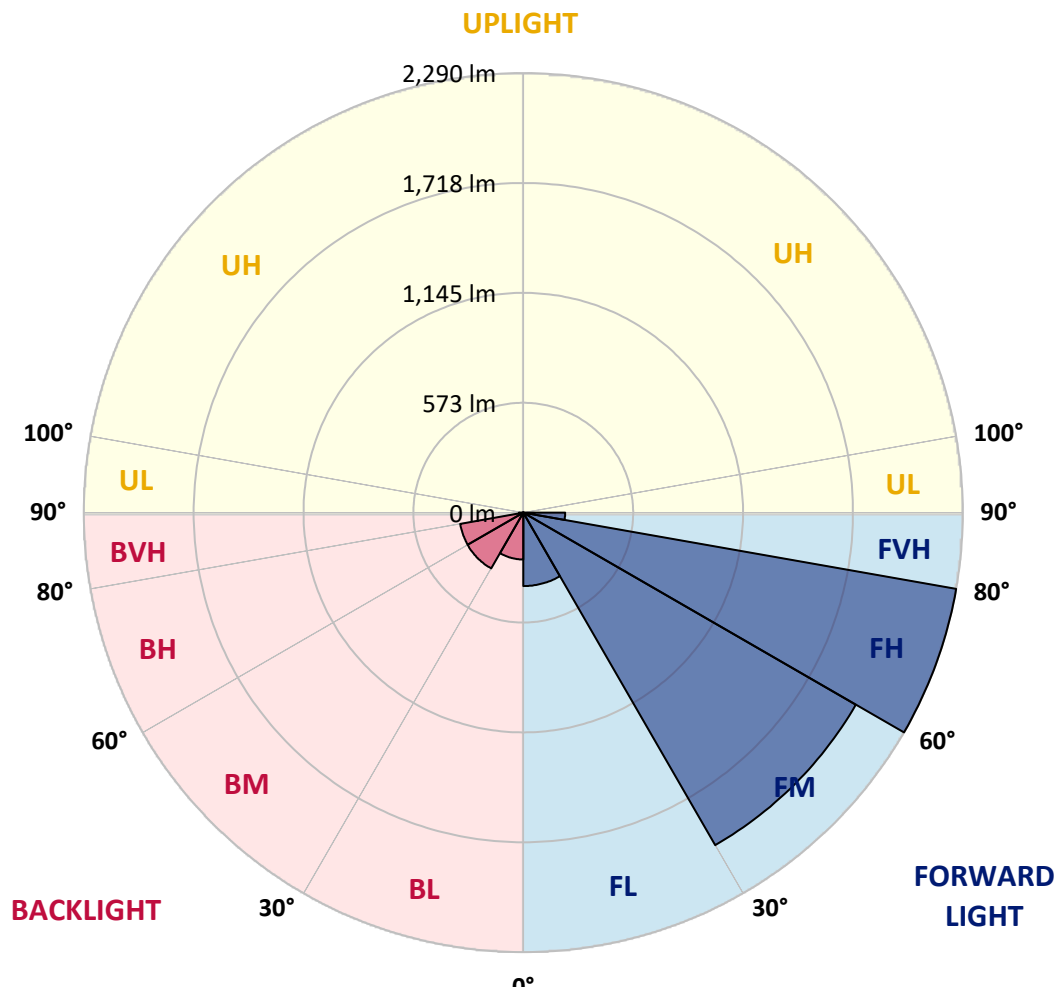
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	382.6	6.6			
FM	(30°-60°)	2000.4	34.3			
FH	(60°-80°)	2290.0	39.3			G2/5000
FVH	(80°-90°)	218.3	3.7			G2/225
BL	(0°-30°)	244.1	4.2	B1/500		
BM	(30°-60°)	335.7	5.8	B1/1000		
BH	(60°-80°)	334.1	5.7	B1/500		G1/500
BVH	(80°-90°)	23.0	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°	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4
2.5°	1380.7	1536.5	1500.2	1464.0	1519.4	1572.8	1589.9	1604.8	1613.3	1621.9	1630.4
5°	1282.6	1284.7	1286.8	1289.0	1295.4	1299.6	1308.2	1316.7	1325.2	1331.6	1340.2
7.5°	990.2	1024.3	1079.8	1135.3	1169.5	1201.5	1220.7	1237.7	1250.5	1263.4	1276.2
10°	1101.2	1107.6	1109.7	1109.7	1120.4	1131.0	1049.9	966.7	1007.3	1047.8	1003.0
12.5°	864.3	887.8	958.2	1026.5	1047.8	1067.0	1028.6	990.2	930.4	868.6	864.3
15°	992.3	998.7	1000.9	1000.9	934.7	868.6	823.7	776.8	813.1	847.2	768.3
17.5°	768.3	774.7	830.1	885.6	896.3	907.0	860.0	813.1	708.5	601.8	702.1
20°	913.4	917.6	917.6	917.6	806.7	695.7	704.2	710.6	744.8	778.9	751.2
22.5°	736.2	736.2	736.2	736.2	770.4	802.4	734.1	665.8	704.2	742.6	708.5
25°	926.2	932.6	917.6	900.6	798.1	695.7	727.7	759.7	702.1	644.5	695.7
27.5°	845.1	838.7	808.8	776.8	791.7	806.7	736.2	665.8	710.6	755.4	734.1
30°	1122.5	1103.3	1071.3	1039.3	917.6	796.0	776.8	757.6	719.2	678.6	723.4
32.5°	1491.7	1442.6	1293.2	1143.8	1069.2	994.5	898.4	802.4	793.9	783.2	796.0
35°	1589.9	1557.8	1496.0	1431.9	1303.9	1173.7	1052.1	928.3	887.8	845.1	853.6
37.5°	1609.1	1598.4	1585.6	1570.7	1440.5	1310.3	1178.0	1045.7	1003.0	958.2	926.2
40°	1624.0	1632.5	1656.0	1677.4	1547.2	1414.9	1295.4	1173.7	1128.9	1082.0	1026.5
42.5°	1692.3	1715.8	1745.6	1773.4	1653.9	1534.4	1429.8	1325.2	1267.6	1210.0	1158.8
45°	1850.2	1863.0	1895.0	1924.9	1811.8	1696.6	1577.1	1455.4	1406.3	1357.2	1306.0
47.5°	2080.7	2102.0	2099.9	2097.8	1971.9	1843.8	1709.4	1572.8	1540.8	1506.6	1457.5
50°	2370.9	2356.0	2315.4	2274.9	2138.3	1999.6	1841.7	1681.6	1666.7	1649.6	1609.1
52.5°	2516.0	2505.4	2449.9	2392.3	2253.5	2114.8	1944.1	1771.3	1790.5	1809.7	1771.3
55°	2524.6	2518.2	2477.6	2437.1	2302.6	2168.2	2016.7	1865.1	1912.1	1959.0	1944.1
57.5°	2462.7	2464.8	2452.0	2437.1	2317.6	2198.1	2072.2	1946.2	2027.3	2106.3	2121.2
60°	2304.8	2336.8	2358.1	2379.5	2304.8	2230.1	2121.2	2012.4	2136.2	2259.9	2300.5
62.5°	2012.4	2040.1	2117.0	2191.7	2206.6	2219.4	2146.8	2072.2	2238.6	2402.9	2469.1
65°	1560.0	1598.4	1713.6	1828.9	1948.4	2067.9	2085.0	2102.0	2383.7	2665.4	2720.9
67.5°	973.1	994.5	1116.1	1235.6	1476.8	1715.8	1852.3	1988.9	2475.5	2959.9	3047.4
70°	514.3	546.3	606.1	663.7	870.7	1077.7	1355.1	1632.5	2336.8	3041.0	3399.5
72.5°	390.5	403.3	435.3	467.4	539.9	612.5	787.5	962.5	1828.9	2693.2	3519.0
75°	281.7	292.4	326.5	358.5	431.1	501.5	574.1	644.5	1128.9	1613.3	2917.2
77.5°	164.3	168.6	185.7	200.6	313.7	426.8	505.8	582.6	700.0	815.2	2082.8
80°	113.1	115.2	121.6	128.0	177.1	226.2	377.7	529.2	582.6	633.8	1380.7
82.5°	74.7	85.4	89.6	93.9	111.0	128.0	221.9	313.7	461.0	606.1	943.2
85°	38.4	42.7	51.2	57.6	66.2	72.6	100.3	125.9	382.0	635.9	678.6
87.5°	4.3	6.4	8.5	8.5	10.7	12.8	19.2	25.6	115.2	204.9	175.0
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°	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4
2.5°	1638.9	1643.2	1641.1	1645.3	1647.5	1649.6	1651.7	1651.7	1649.6	1645.3	1641.1
5°	1348.7	1434.1	1579.2	1594.1	1609.1	1613.3	1617.6	1619.7	1615.5	1609.1	1602.7
7.5°	1286.8	1299.6	1169.5	1274.0	1376.5	1385.0	1391.4	1387.1	1389.3	1331.6	1271.9
10°	958.2	968.9	973.1	1005.1	1035.0	1105.4	1175.9	1165.2	1156.6	1054.2	949.6
12.5°	860.0	915.5	928.3	875.0	821.6	894.2	966.7	958.2	943.2	849.3	755.4
15°	689.3	631.7	755.4	870.7	983.8	1052.1	1118.2	1099.0	1082.0	962.5	840.8
17.5°	800.3	834.4	793.9	810.9	828.0	879.2	928.3	898.4	887.8	804.5	719.2
20°	723.4	721.3	693.6	793.9	894.2	994.5	1092.6	1062.8	1011.5	849.3	685.0
22.5°	674.4	813.1	872.8	860.0	845.1	806.7	766.1	740.5	702.1	665.8	627.4
25°	744.8	687.2	734.1	887.8	1039.3	1067.0	1094.8	1030.7	947.5	783.2	618.9
27.5°	712.8	802.4	862.2	964.6	1064.9	1160.9	1256.9	1171.6	1062.8	857.9	650.9
30°	768.3	817.3	983.8	1175.9	1367.9	1402.1	1434.1	1316.7	1171.6	964.6	757.6
32.5°	808.8	939.0	1086.2	1235.6	1382.9	1408.5	1434.1	1301.8	1135.3	907.0	678.6
35°	860.0	956.0	1090.5	1265.5	1440.5	1446.9	1451.1	1297.5	1109.7	851.5	591.1
37.5°	894.2	1003.0	1148.1	1333.8	1519.4	1506.6	1491.7	1316.7	1101.2	813.1	525.0
40°	971.0	1064.9	1220.7	1410.6	1600.5	1579.2	1557.8	1357.2	1103.3	774.7	443.9
42.5°	1105.4	1141.7	1310.3	1513.0	1715.8	1692.3	1666.7	1427.7	1128.9	753.3	375.6
45°	1252.7	1269.8	1414.9	1645.3	1875.8	1845.9	1816.1	1536.5	1175.9	742.6	309.4
47.5°	1406.3	1402.1	1536.5	1816.1	2093.5	2029.5	1965.4	1664.5	1263.4	764.0	264.6
50°	1566.4	1560.0	1690.2	1991.1	2292.0	2223.7	2155.4	1818.2	1363.7	802.4	239.0
52.5°	1730.7	1745.6	1841.7	2155.4	2466.9	2405.1	2341.0	1984.7	1461.8	845.1	228.3
55°	1927.0	1974.0	2012.4	2326.1	2639.8	2577.9	2513.9	2155.4	1598.4	911.2	224.1
57.5°	2134.0	2195.9	2213.0	2499.0	2784.9	2744.4	2701.7	2317.6	1737.1	988.1	236.9
60°	2341.0	2422.1	2484.0	2714.5	2942.8	2895.9	2848.9	2481.9	1867.3	1073.4	279.6
62.5°	2533.1	2646.2	2746.5	2915.1	3081.6	3026.1	2970.6	2624.9	2014.5	1190.8	364.9
65°	2774.2	2874.5	2983.4	3094.4	3203.2	3149.8	3096.5	2804.1	2210.9	1338.0	463.1
67.5°	3134.9	3164.8	3220.3	3288.6	3354.7	3322.7	3288.6	3023.9	2381.6	1423.4	463.1
70°	3755.9	3689.8	3606.5	3604.4	3600.1	3548.9	3495.6	3147.7	2392.3	1389.3	386.3
72.5°	4342.8	4569.0	4304.4	4112.3	3920.2	3694.0	3465.7	2981.3	2112.7	1210.0	307.3
75°	4219.0	5098.2	4970.2	4449.5	3928.8	3519.0	3109.3	2597.1	1739.2	1000.9	262.5
77.5°	3348.3	4498.6	4620.2	4142.2	3662.0	3107.2	2550.2	2008.1	1205.7	712.8	219.8
80°	2125.5	3363.2	3384.6	2940.7	2494.7	1899.3	1303.9	875.0	580.5	377.7	175.0
82.5°	1280.4	1991.1	1732.8	1242.0	751.2	520.7	288.1	277.4	213.4	157.9	102.4
85°	721.3	975.3	700.0	458.8	217.7	155.8	91.8	98.2	93.9	76.8	57.6
87.5°	143.0	168.6	115.2	66.2	17.1	17.1	14.9	14.9	10.7	10.7	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4	1662.4
2.5°	1641.1	1641.1	1636.8	1632.5	1630.4	1628.3	1564.3	1500.2	1457.5	1412.7	1402.1
5°	1523.7	1444.7	1385.0	1325.2	1312.4	1299.6	1297.5	1295.4	1289.0	1280.4	1278.3
7.5°	1203.6	1133.2	1182.3	1229.2	1220.7	1210.0	1203.6	1195.1	1180.1	1165.2	1090.5
10°	926.2	902.7	902.7	900.6	883.5	866.4	904.8	943.2	985.9	1028.6	1024.3
12.5°	789.6	821.6	738.4	653.0	700.0	744.8	787.5	828.0	849.3	870.7	804.5
15°	744.8	646.6	618.9	591.1	612.5	633.8	571.9	507.9	557.0	606.1	616.7
17.5°	668.0	616.7	589.0	559.1	478.0	394.8	422.5	450.3	448.1	446.0	435.3
20°	623.1	559.1	510.0	458.8	420.4	382.0	341.4	298.8	279.6	258.2	309.4
22.5°	593.3	559.1	456.7	354.3	324.4	294.5	262.5	228.3	241.1	251.8	260.4
25°	518.6	416.1	358.5	300.9	254.0	204.9	207.0	209.1	198.5	187.8	236.9
27.5°	525.0	396.9	307.3	217.7	200.6	181.4	170.7	157.9	175.0	189.9	194.2
30°	550.6	343.6	260.4	177.1	157.9	138.7	145.1	149.4	149.4	149.4	170.7
32.5°	488.7	298.8	221.9	143.0	132.3	119.5	121.6	121.6	132.3	143.0	153.7
35°	414.0	234.7	181.4	125.9	115.2	104.6	108.8	113.1	123.8	134.4	149.4
37.5°	356.4	185.7	149.4	113.1	106.7	100.3	102.4	104.6	115.2	123.8	136.6
40°	300.9	155.8	132.3	108.8	102.4	96.0	98.2	98.2	106.7	115.2	123.8
42.5°	260.4	143.0	125.9	106.7	100.3	91.8	93.9	93.9	100.3	106.7	113.1
45°	224.1	136.6	121.6	104.6	98.2	89.6	89.6	87.5	93.9	98.2	102.4
47.5°	200.6	134.4	119.5	104.6	96.0	85.4	83.2	81.1	87.5	91.8	98.2
50°	187.8	134.4	119.5	102.4	91.8	81.1	79.0	76.8	85.4	91.8	102.4
52.5°	183.5	136.6	119.5	102.4	89.6	76.8	76.8	76.8	91.8	106.7	111.0
55°	183.5	140.8	121.6	100.3	87.5	74.7	79.0	83.2	87.5	91.8	91.8
57.5°	187.8	138.7	117.4	96.0	87.5	76.8	74.7	72.6	74.7	76.8	76.8
60°	207.0	134.4	113.1	91.8	81.1	70.4	68.3	66.2	70.4	72.6	72.6
62.5°	249.7	132.3	113.1	91.8	79.0	66.2	66.2	64.0	66.2	68.3	70.4
65°	305.2	147.2	119.5	91.8	79.0	66.2	61.9	57.6	61.9	64.0	64.0
67.5°	318.0	172.9	138.7	102.4	83.2	64.0	59.8	55.5	59.8	61.9	61.9
70°	288.1	189.9	149.4	108.8	87.5	64.0	59.8	53.4	55.5	57.6	55.5
72.5°	247.5	185.7	147.2	106.7	85.4	61.9	57.6	51.2	53.4	53.4	51.2
75°	211.3	160.1	125.9	89.6	72.6	53.4	49.1	44.8	46.9	46.9	46.9
77.5°	177.1	132.3	102.4	70.4	57.6	42.7	40.5	38.4	40.5	42.7	40.5
80°	138.7	100.3	76.8	51.2	42.7	32.0	34.1	34.1	36.3	36.3	36.3
82.5°	81.1	59.8	49.1	36.3	29.9	23.5	25.6	27.7	29.9	29.9	29.9
85°	49.1	38.4	32.0	25.6	21.3	14.9	19.2	21.3	21.3	21.3	19.2
87.5°	8.5	8.5	8.5	8.5	6.4	4.3	8.5	10.7	10.7	10.7	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°	1662.4	1662.4	1662.4	1662.4
2.5°	1389.3	1389.3	1387.1	1387.1
5°	1276.2	1271.9	1267.6	1271.9
7.5°	1015.8	985.9	956.0	964.6
10°	1017.9	1015.8	1013.7	1011.5
12.5°	736.2	712.8	689.3	674.4
15°	625.3	618.9	610.3	610.3
17.5°	422.5	403.3	384.1	371.3
20°	360.7	371.3	379.9	384.1
22.5°	268.9	277.4	286.0	290.2
25°	283.8	305.2	324.4	326.5
27.5°	196.3	207.0	215.5	211.3
30°	192.1	198.5	204.9	204.9
32.5°	164.3	181.4	198.5	200.6
35°	164.3	172.9	181.4	183.5
37.5°	147.2	153.7	157.9	160.1
40°	132.3	136.6	138.7	138.7
42.5°	117.4	128.0	136.6	136.6
45°	104.6	132.3	160.1	168.6
47.5°	102.4	143.0	183.5	192.1
50°	111.0	149.4	185.7	189.9
52.5°	113.1	134.4	153.7	153.7
55°	89.6	100.3	108.8	106.7
57.5°	76.8	85.4	91.8	91.8
60°	72.6	83.2	91.8	93.9
62.5°	70.4	74.7	79.0	83.2
65°	64.0	64.0	64.0	64.0
67.5°	59.8	59.8	57.6	57.6
70°	53.4	53.4	53.4	53.4
72.5°	49.1	49.1	49.1	46.9
75°	44.8	44.8	42.7	42.7
77.5°	38.4	38.4	38.4	38.4
80°	34.1	34.1	32.0	32.0
82.5°	27.7	27.7	25.6	23.5
85°	17.1	17.1	14.9	12.8
87.5°	6.4	6.4	4.3	2.1
90°	0.0	0.0	0.0	0.0

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