

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: P561170

Luminaire Tested: **SDL-PA1-80-830-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561170
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-PA1-80-830-U-SL3-HSS
Description: Springdale
(1) 80 CRI, 3000K, 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: 6190.8 lumens
Efficiency: N/A
Efficacy: 75.5 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

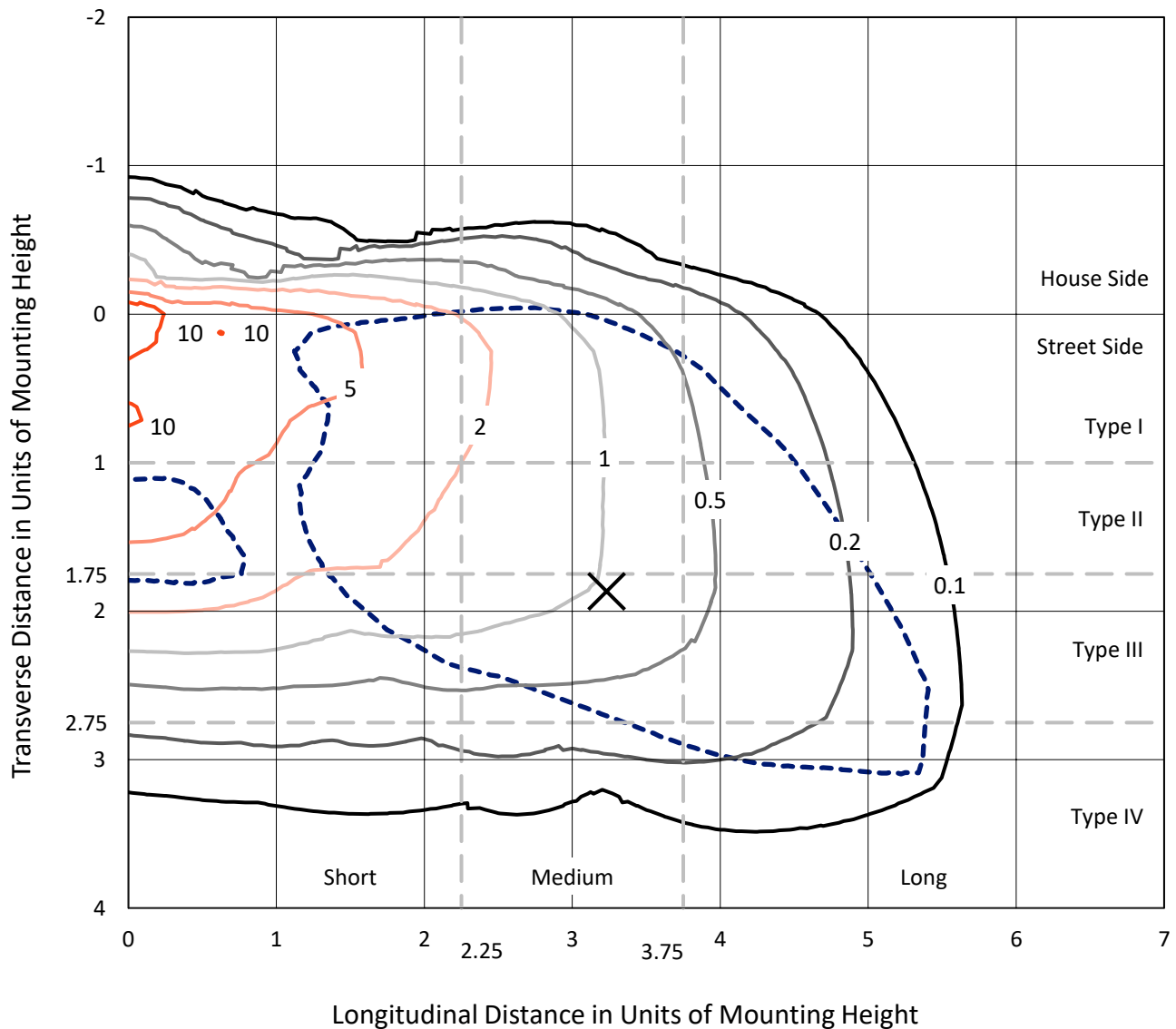


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

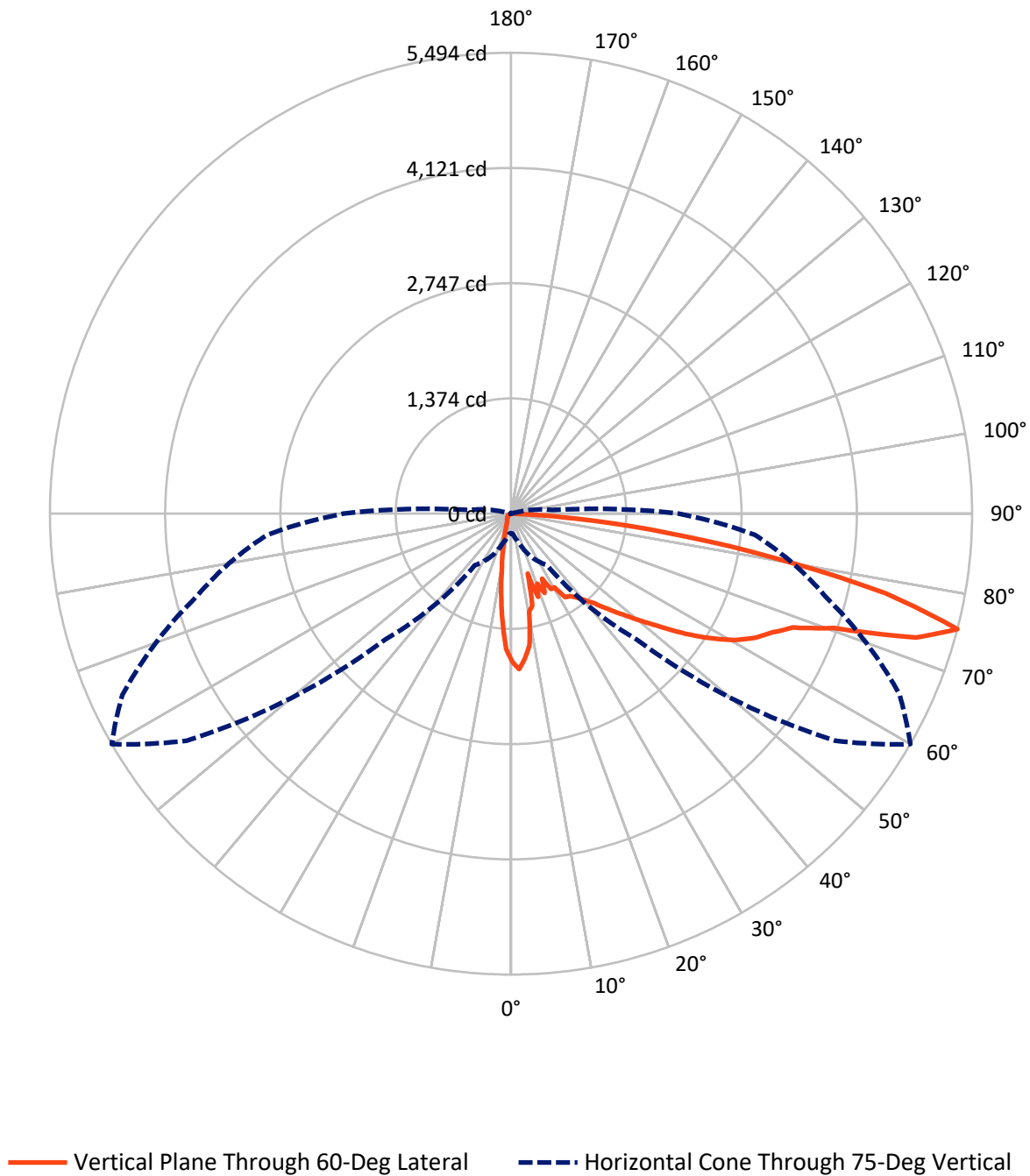


Based on 10 foot mounting height. Maximum calculated value = 17.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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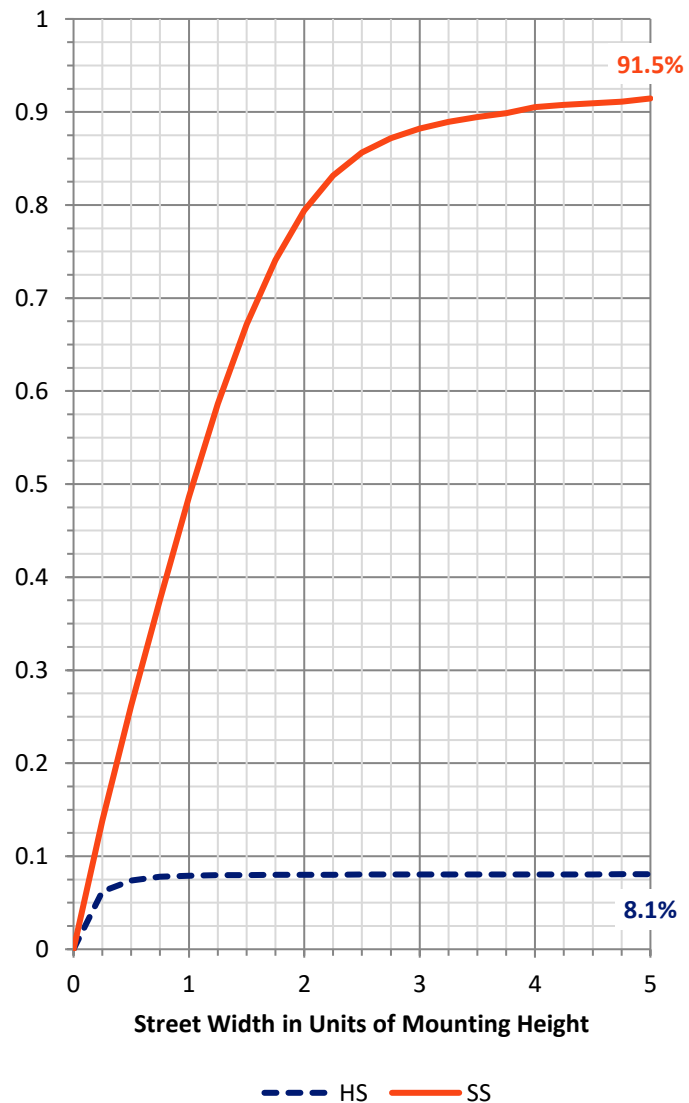
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	504.4	0.0	504.4
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5686.4	0.0	5686.4
	% Fixture	91.9	0.0	91.9
Total	Lumens	6190.8	0.0	6190.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.0	2.0
10°-20°	202.5	3.3
20°-30°	290.2	4.7
30°-40°	516.7	8.3
40°-50°	850.4	13.7
50°-60°	1311.3	21.2
60°-70°	1528.3	24.7
70°-80°	1184.3	19.1
80°-90°	184.9	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°	6190.8	100.0
0°-180°	6190.8	100.0

Coefficient of Utilization



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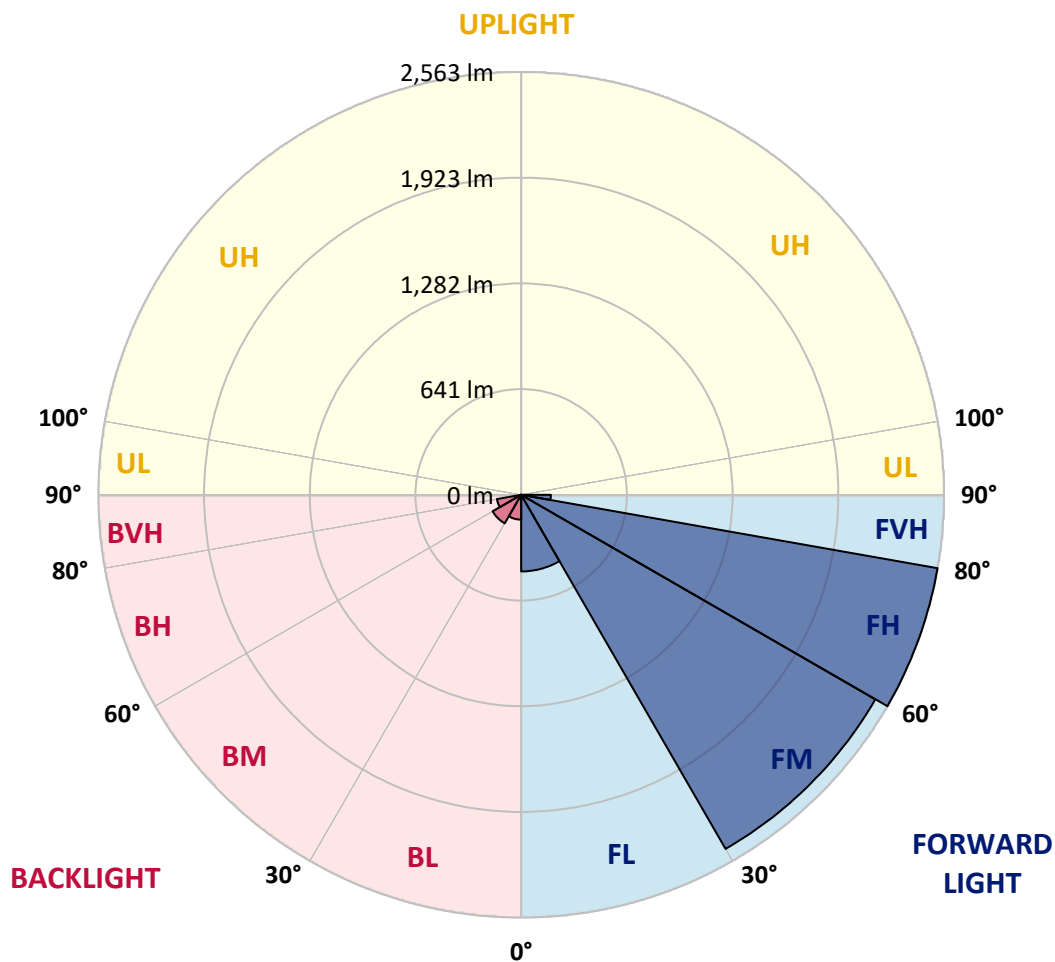
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	464.4	7.5			
FM	(30°-60°)	2478.8	40.0			
FH	(60°-80°)	2563.4	41.4			G2/5000
FVH	(80°-90°)	179.8	2.9			G2/225
BL	(0°-30°)	150.3	2.4	B1/500		
BM	(30°-60°)	199.7	3.2	B0/220		
BH	(60°-80°)	149.2	2.4	B1/500		G1/500
BVH	(80°-90°)	5.1	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°	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1
2.5°	1648.5	1710.3	1748.0	1782.9	1828.6	1874.4	1877.1	1879.7	1879.7	1879.7	1877.1
5°	1592.0	1597.4	1597.4	1597.4	1605.4	1613.5	1618.9	1621.6	1624.3	1624.3	1621.6
7.5°	1245.1	1344.6	1406.4	1465.6	1481.7	1497.9	1519.4	1538.2	1554.3	1567.8	1578.6
10°	1379.6	1390.3	1390.3	1387.6	1401.1	1411.8	1306.9	1199.4	1242.4	1285.4	1231.6
12.5°	1064.9	1118.7	1185.9	1250.5	1293.5	1336.5	1288.1	1239.7	1164.4	1086.4	1081.1
15°	1245.1	1253.2	1255.8	1258.5	1185.9	1110.6	1021.9	930.5	992.3	1054.2	965.4
17.5°	957.3	965.4	1040.7	1116.0	1124.1	1132.1	1075.7	1016.5	887.4	758.4	879.4
20°	1145.6	1151.0	1151.0	1151.0	1008.4	865.9	876.7	884.7	925.1	965.4	935.8
22.5°	922.4	911.6	917.0	919.7	962.7	1003.1	919.7	833.6	895.5	954.7	903.6
25°	1153.7	1156.3	1140.2	1121.4	995.0	865.9	911.6	954.7	882.1	806.8	879.4
27.5°	1043.4	1032.6	995.0	957.3	976.2	995.0	908.9	820.2	890.1	957.3	925.1
30°	1374.2	1368.8	1320.4	1269.3	1118.7	965.4	949.3	930.5	890.1	847.1	903.6
32.5°	1834.0	1769.5	1589.3	1406.4	1312.3	1215.5	1097.2	978.9	992.3	1003.1	1011.1
35°	1936.2	1906.6	1828.6	1750.7	1605.4	1457.5	1296.2	1132.1	1094.5	1056.8	1078.4
37.5°	1963.1	1952.3	1941.6	1928.1	1756.0	1583.9	1422.6	1258.5	1229.0	1196.7	1172.5
40°	1990.0	2000.8	2033.0	2062.6	1901.3	1739.9	1589.3	1436.0	1401.1	1366.1	1304.3
42.5°	2097.6	2105.6	2154.0	2202.4	2046.5	1887.8	1756.0	1624.3	1573.2	1522.1	1465.6
45°	2326.1	2334.2	2361.1	2388.0	2242.8	2094.9	1949.7	1801.8	1761.4	1718.4	1653.8
47.5°	2643.5	2651.5	2638.1	2624.6	2457.9	2288.5	2116.4	1944.3	1930.8	1917.4	1850.2
50°	3006.5	2995.8	2923.1	2850.5	2667.7	2484.8	2283.1	2078.7	2089.5	2100.3	2051.8
52.5°	3173.2	3167.9	3084.5	3001.1	2812.9	2622.0	2412.2	2199.8	2237.4	2272.4	2245.5
55°	3162.5	3159.8	3103.3	3046.8	2869.4	2691.9	2495.6	2299.3	2385.3	2468.7	2452.5
57.5°	3044.2	3049.5	3041.5	3033.4	2877.4	2721.5	2562.8	2404.1	2533.2	2659.6	2681.1
60°	2858.6	2858.6	2898.9	2936.6	2845.2	2751.0	2619.3	2484.8	2662.3	2839.8	2893.6
62.5°	2471.4	2514.4	2600.4	2686.5	2716.1	2745.7	2638.1	2530.5	2775.2	3020.0	3097.9
65°	1903.9	1922.8	2078.7	2234.7	2379.9	2522.5	2530.5	2538.6	2912.4	3283.5	3310.4
67.5°	1105.3	1183.2	1355.3	1524.8	1809.8	2092.2	2237.4	2382.6	2971.5	3557.8	3587.4
70°	580.9	613.1	696.5	777.2	1032.6	1285.4	1645.8	2003.4	2834.4	3662.7	3920.8
72.5°	398.0	427.6	473.3	519.0	615.8	709.9	968.1	1223.6	2256.2	3288.9	4090.3
75°	234.0	242.0	298.5	355.0	459.9	564.7	658.9	750.3	1436.0	2119.1	3418.0
77.5°	94.1	102.2	126.4	150.6	298.5	443.7	540.5	637.3	801.4	965.4	2347.7
80°	51.1	51.1	61.9	69.9	134.5	196.3	363.0	529.8	610.4	691.1	1522.1
82.5°	29.6	29.6	37.6	43.0	67.2	91.4	207.1	322.7	476.0	626.6	1027.3
85°	10.8	10.8	13.4	16.1	32.3	45.7	75.3	102.2	295.8	486.7	591.6
87.5°	2.7	2.7	5.4	5.4	8.1	10.8	13.4	13.4	10.8	8.1	53.8
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°	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1
2.5°	1871.7	1855.5	1844.8	1826.0	1807.1	1791.0	1772.2	1748.0	1729.1	1704.9	1680.7
5°	1618.9	1731.8	1847.5	1836.7	1823.3	1785.6	1748.0	1704.9	1664.6	1616.2	1567.8
7.5°	1586.6	1583.9	1473.7	1530.1	1583.9	1540.9	1497.9	1449.5	1395.7	1301.6	1207.4
10°	1177.9	1185.9	1183.2	1196.7	1210.1	1245.1	1277.4	1207.4	1140.2	992.3	841.7
12.5°	1075.7	1126.8	1140.2	1048.8	957.3	995.0	1032.6	962.7	895.5	758.4	621.2
15°	874.0	742.2	930.5	1054.2	1175.2	1194.0	1210.1	1118.7	1011.1	822.9	632.0
17.5°	997.7	1043.4	989.6	992.3	992.3	995.0	997.7	914.3	806.8	664.2	521.7
20°	906.3	892.8	898.2	986.9	1075.7	1134.8	1191.3	1064.9	927.8	707.3	484.1
22.5°	852.5	1027.3	1102.6	1064.9	1027.3	933.1	836.3	739.5	626.6	516.3	403.4
25°	949.3	857.9	917.0	1062.2	1207.4	1207.4	1207.4	1040.7	855.2	618.5	381.9
27.5°	892.8	1019.2	1078.4	1194.0	1306.9	1355.3	1401.1	1188.6	943.9	650.8	355.0
30°	960.0	1019.2	1229.0	1460.2	1691.5	1651.2	1608.1	1336.5	1027.3	683.1	338.8
32.5°	1019.2	1185.9	1371.5	1546.3	1721.1	1675.4	1627.0	1325.8	978.9	615.8	252.8
35°	1099.9	1207.4	1379.6	1592.0	1804.4	1734.5	1661.9	1331.1	941.2	564.7	188.2
37.5°	1148.3	1266.6	1452.2	1675.4	1895.9	1809.8	1723.8	1355.3	908.9	527.1	145.2
40°	1239.7	1358.0	1543.6	1777.6	2011.5	1912.0	1809.8	1398.4	890.1	505.6	121.0
42.5°	1409.1	1462.9	1670.0	1917.4	2164.8	2059.9	1952.3	1489.8	884.7	494.8	104.9
45°	1586.6	1621.6	1804.4	2081.4	2355.7	2248.2	2137.9	1602.8	903.6	502.9	99.5
47.5°	1780.2	1799.1	1965.8	2310.0	2654.2	2506.3	2358.4	1758.7	943.9	519.0	94.1
50°	2003.4	2003.4	2164.8	2535.9	2907.0	2753.7	2600.4	1941.6	995.0	543.2	91.4
52.5°	2215.9	2245.5	2369.2	2748.3	3127.5	2985.0	2839.8	2143.3	1062.2	575.5	86.1
55°	2433.7	2527.8	2573.6	2960.8	3348.0	3184.0	3020.0	2291.2	1102.6	591.6	80.7
57.5°	2702.6	2802.1	2826.3	3154.4	3482.5	3323.8	3162.5	2417.6	1132.1	605.1	78.0
60°	2947.3	3060.3	3108.7	3350.7	3590.1	3426.0	3262.0	2527.8	1159.0	615.8	69.9
62.5°	3173.2	3259.3	3334.6	3490.6	3646.5	3493.3	3337.3	2624.6	1175.2	618.5	61.9
65°	3337.3	3415.3	3522.8	3611.6	3700.3	3584.7	3469.0	2791.4	1220.9	634.6	45.7
67.5°	3614.3	3622.3	3684.2	3756.8	3829.4	3767.5	3705.7	3022.6	1274.7	656.2	35.0
70°	4176.3	4084.9	4004.2	4076.8	4146.7	4060.7	3974.6	3089.9	1151.0	588.9	26.9
72.5°	4891.6	5044.9	4655.0	4504.4	4351.1	4033.8	3713.8	2659.6	817.5	419.5	21.5
75°	4716.8	5494.0	5109.5	4504.4	3899.3	3409.9	2917.8	1995.4	502.9	260.9	16.1
77.5°	3727.2	4560.9	4423.7	3799.8	3173.2	2570.9	1968.5	1226.3	177.5	96.8	16.1
80°	2353.0	3154.4	3036.1	2468.7	1898.6	1350.0	801.4	373.8	67.2	43.0	18.8
82.5°	1428.0	1879.7	1476.4	925.1	373.8	263.5	153.3	80.7	21.5	18.8	16.1
85°	693.8	777.2	508.3	293.1	75.3	69.9	61.9	40.3	10.8	10.8	8.1
87.5°	96.8	69.9	43.0	29.6	13.4	13.4	13.4	8.1	8.1	8.1	5.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1	1764.1
2.5°	1661.9	1640.4	1616.2	1592.0	1565.1	1538.2	1460.2	1379.6	1336.5	1290.8	1280.1
5°	1479.1	1390.3	1280.1	1167.1	1118.7	1070.3	1046.1	1019.2	1003.1	984.2	968.1
7.5°	1083.7	957.3	957.3	954.7	914.3	874.0	828.3	779.9	750.3	720.7	642.7
10°	774.5	704.6	656.2	607.8	588.9	570.1	510.9	449.1	454.5	457.2	441.0
12.5°	599.7	575.5	486.7	398.0	368.4	338.8	320.0	301.2	274.3	247.4	228.6
15°	513.6	395.3	328.1	260.9	231.3	199.0	172.1	142.5	134.5	123.7	137.1
17.5°	422.2	320.0	255.5	190.9	147.9	104.9	110.3	115.6	126.4	137.1	142.5
20°	363.0	242.0	185.6	129.1	115.6	102.2	107.6	110.3	107.6	102.2	118.3
22.5°	295.8	188.2	142.5	94.1	96.8	99.5	91.4	83.4	99.5	115.6	115.6
25°	252.8	123.7	110.3	96.8	88.7	80.7	91.4	99.5	94.1	88.7	102.2
27.5°	231.3	107.6	94.1	80.7	83.4	86.1	83.4	78.0	86.1	94.1	91.4
30°	220.5	99.5	91.4	80.7	78.0	72.6	75.3	75.3	72.6	69.9	78.0
32.5°	177.5	102.2	88.7	72.6	69.9	64.5	61.9	59.2	61.9	64.5	67.2
35°	142.5	94.1	83.4	69.9	64.5	59.2	56.5	51.1	51.1	51.1	53.8
37.5°	115.6	86.1	75.3	61.9	56.5	51.1	48.4	43.0	43.0	43.0	43.0
40°	102.2	80.7	69.9	56.5	51.1	43.0	40.3	35.0	35.0	32.3	32.3
42.5°	88.7	72.6	61.9	48.4	43.0	37.6	32.3	26.9	26.9	24.2	24.2
45°	83.4	67.2	56.5	45.7	37.6	29.6	26.9	21.5	21.5	18.8	18.8
47.5°	80.7	64.5	53.8	40.3	32.3	24.2	21.5	16.1	16.1	16.1	16.1
50°	75.3	59.2	48.4	35.0	29.6	21.5	18.8	13.4	13.4	13.4	13.4
52.5°	72.6	56.5	43.0	29.6	24.2	16.1	13.4	10.8	10.8	10.8	10.8
55°	69.9	59.2	43.0	26.9	21.5	13.4	10.8	8.1	8.1	8.1	8.1
57.5°	67.2	56.5	40.3	21.5	16.1	10.8	8.1	5.4	5.4	5.4	5.4
60°	59.2	48.4	32.3	16.1	13.4	8.1	5.4	2.7	5.4	5.4	5.4
62.5°	51.1	37.6	26.9	13.4	10.8	5.4	5.4	2.7	5.4	5.4	5.4
65°	37.6	29.6	21.5	10.8	8.1	2.7	2.7	2.7	5.4	5.4	5.4
67.5°	29.6	21.5	16.1	8.1	5.4	2.7	2.7	2.7	5.4	5.4	5.4
70°	21.5	16.1	10.8	5.4	5.4	2.7	2.7	2.7	5.4	5.4	5.4
72.5°	16.1	10.8	8.1	5.4	5.4	2.7	5.4	5.4	5.4	5.4	5.4
75°	13.4	10.8	8.1	5.4	5.4	2.7	5.4	5.4	8.1	8.1	8.1
77.5°	13.4	8.1	8.1	5.4	5.4	2.7	5.4	8.1	8.1	8.1	8.1
80°	13.4	8.1	8.1	5.4	5.4	2.7	5.4	8.1	8.1	8.1	8.1
82.5°	13.4	8.1	8.1	5.4	5.4	2.7	5.4	8.1	8.1	8.1	8.1
85°	8.1	8.1	8.1	8.1	5.4	2.7	8.1	10.8	10.8	8.1	8.1
87.5°	5.4	5.4	8.1	8.1	5.4	2.7	8.1	10.8	10.8	8.1	8.1
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°	1764.1	1764.1	1764.1	1764.1
2.5°	1266.6	1253.2	1237.0	1269.3
5°	952.0	941.2	930.5	949.3
7.5°	564.7	567.4	567.4	537.8
10°	422.2	398.0	371.1	371.1
12.5°	209.8	193.6	177.5	174.8
15°	150.6	153.3	156.0	156.0
17.5°	147.9	142.5	134.5	129.1
20°	131.8	137.1	139.8	139.8
22.5°	115.6	112.9	107.6	107.6
25°	115.6	118.3	121.0	121.0
27.5°	88.7	88.7	86.1	86.1
30°	86.1	86.1	86.1	86.1
32.5°	67.2	69.9	69.9	69.9
35°	56.5	56.5	56.5	56.5
37.5°	43.0	43.0	43.0	40.3
40°	32.3	32.3	32.3	32.3
42.5°	24.2	24.2	24.2	24.2
45°	18.8	18.8	18.8	18.8
47.5°	16.1	16.1	13.4	13.4
50°	10.8	10.8	10.8	10.8
52.5°	8.1	8.1	8.1	8.1
55°	5.4	5.4	5.4	5.4
57.5°	5.4	5.4	5.4	5.4
60°	2.7	2.7	2.7	2.7
62.5°	2.7	2.7	2.7	2.7
65°	2.7	2.7	2.7	2.7
67.5°	2.7	2.7	2.7	2.7
70°	2.7	2.7	2.7	2.7
72.5°	5.4	5.4	2.7	2.7
75°	5.4	5.4	2.7	2.7
77.5°	5.4	5.4	2.7	2.7
80°	5.4	5.4	2.7	2.7
82.5°	5.4	5.4	2.7	2.7
85°	5.4	5.4	5.4	2.7
87.5°	5.4	5.4	5.4	2.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)