

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: P560863

Luminaire Tested: **SDL-PA1-70-727-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560863
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-PA1-70-727-U-SL3
Description: Springdale
(1) 70 CRI, 2700K, 930mA 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: 7070.2 lumens
Efficiency: N/A
Efficacy: 97.9 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): 72.2
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

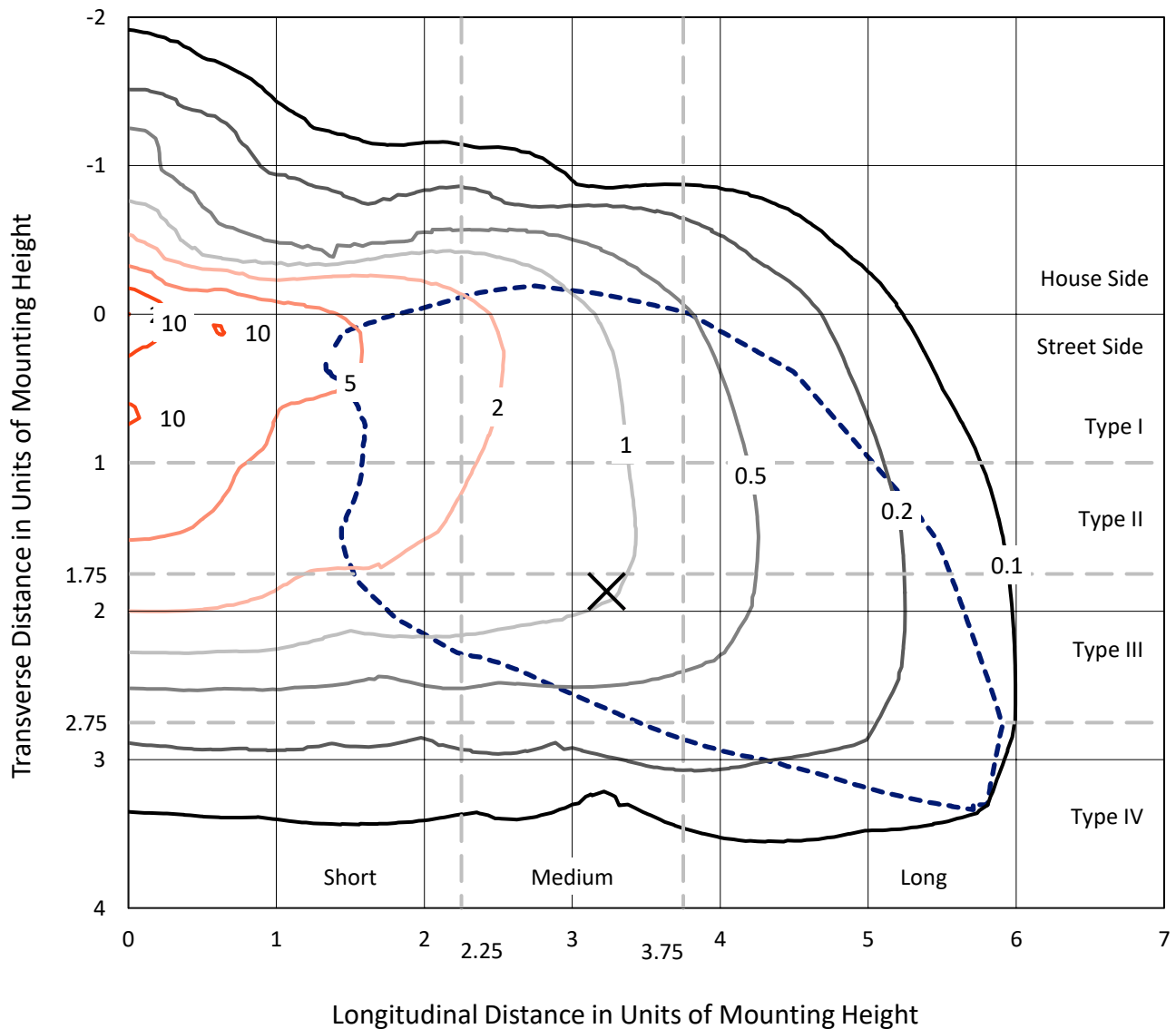


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

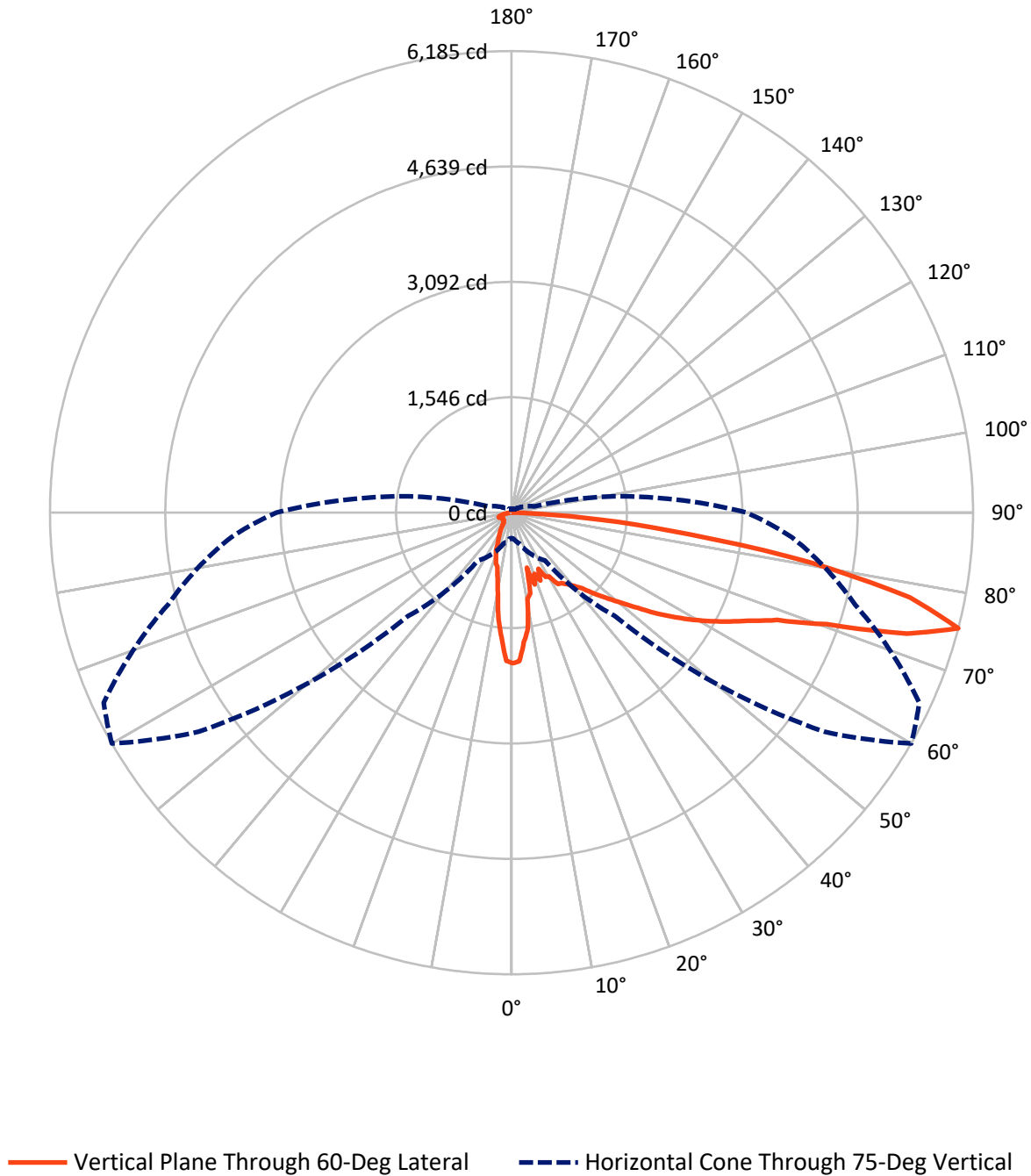


Based on 10 foot mounting height. Maximum calculated value = 20.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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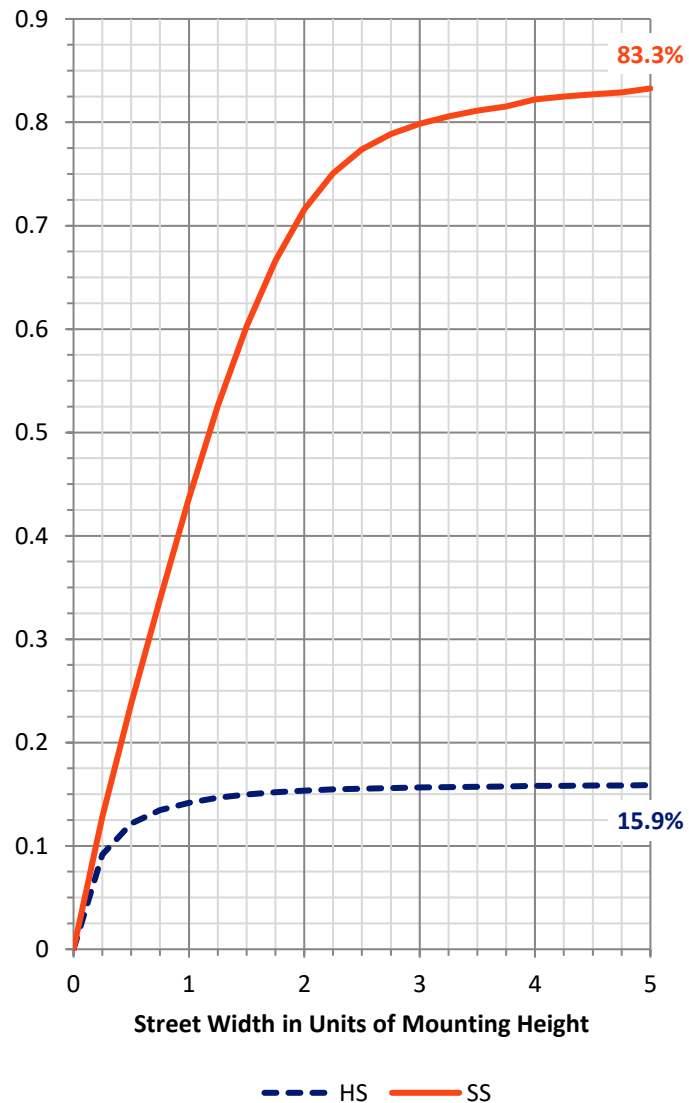
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1136.4	0.0	1136.4
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	5933.8	0.0	5933.8
	% Fixture	83.9	0.0	83.9
Total	Lumens	7070.2	0.0	7070.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.1	2.1
10°-20°	265.4	3.8
20°-30°	347.7	4.9
30°-40°	573.8	8.1
40°-50°	896.0	12.7
50°-60°	1364.1	19.3
60°-70°	1690.2	23.9
70°-80°	1493.2	21.1
80°-90°	292.7	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°	7070.2	100.0
0°-180°	7070.2	100.0

Coefficient of Utilization



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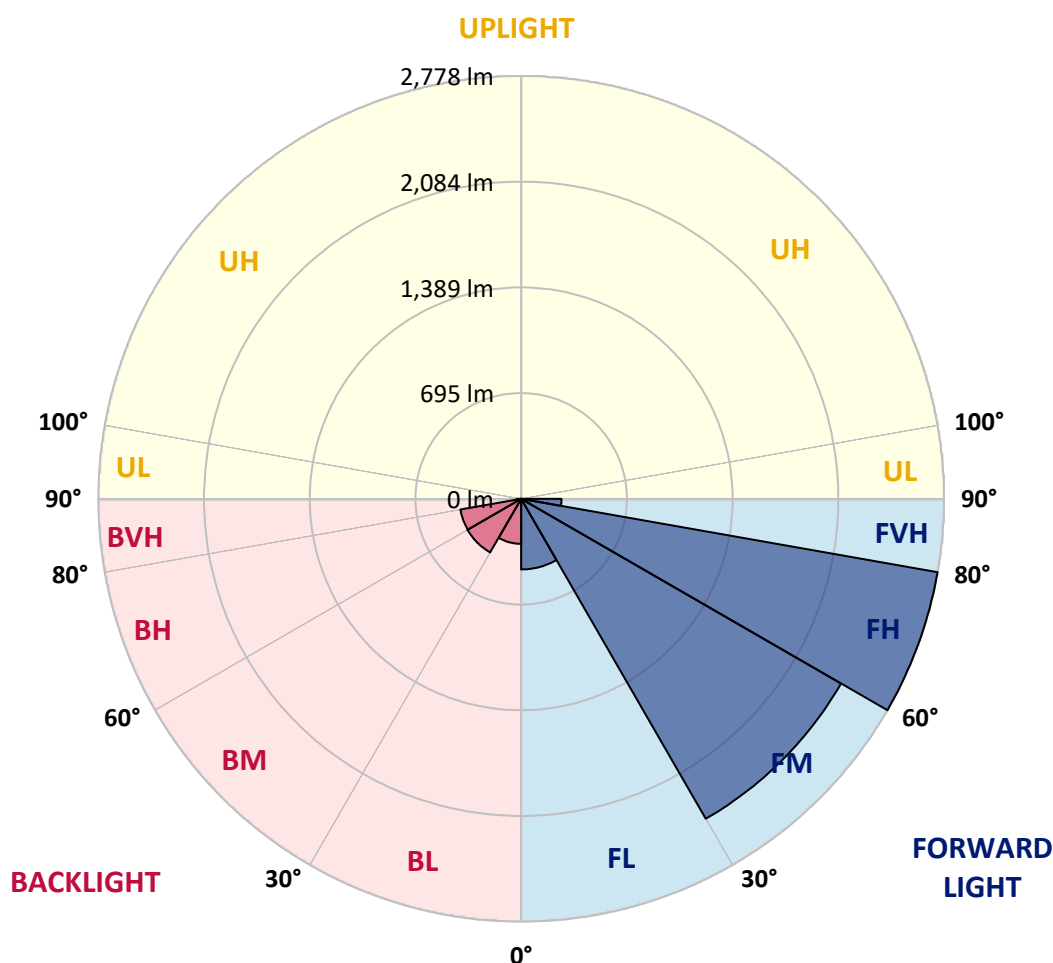
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	464.2	6.6			
FM	(30°-60°)	2426.7	34.3			
FH	(60°-80°)	2778.1	39.3			G2/5000
FVH	(80°-90°)	264.8	3.7			G3/500
BL	(0°-30°)	296.1	4.2	B1/500		
BM	(30°-60°)	407.2	5.8	B1/1000		
BH	(60°-80°)	405.3	5.7	B1/500		G1/500
BVH	(80°-90°)	27.9	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°	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7
2.5°	1675.0	1864.0	1820.0	1775.9	1843.3	1908.0	1928.7	1946.8	1957.2	1967.5	1977.9
5°	1555.9	1558.5	1561.1	1563.7	1571.4	1576.6	1587.0	1597.3	1607.7	1615.4	1625.8
7.5°	1201.2	1242.6	1310.0	1377.3	1418.7	1457.5	1480.8	1501.5	1517.1	1532.6	1548.1
10°	1335.8	1343.6	1346.2	1346.2	1359.1	1372.1	1273.7	1172.7	1221.9	1271.1	1216.8
12.5°	1048.5	1077.0	1162.4	1245.2	1271.1	1294.4	1247.8	1201.2	1128.7	1053.7	1048.5
15°	1203.8	1211.6	1214.2	1214.2	1133.9	1053.7	999.3	942.3	986.3	1027.8	932.0
17.5°	932.0	939.7	1007.1	1074.4	1087.3	1100.3	1043.3	986.3	859.5	730.1	851.7
20°	1108.0	1113.2	1113.2	1113.2	978.6	844.0	854.3	862.1	903.5	944.9	911.3
22.5°	893.2	893.2	893.2	893.2	934.6	973.4	890.6	807.7	854.3	900.9	859.5
25°	1123.6	1131.3	1113.2	1092.5	968.2	844.0	882.8	921.6	851.7	781.8	844.0
27.5°	1025.2	1017.4	981.2	942.3	960.5	978.6	893.2	807.7	862.1	916.4	890.6
30°	1361.7	1338.4	1299.6	1260.8	1113.2	965.6	942.3	919.0	872.4	823.3	877.6
32.5°	1809.6	1750.1	1568.8	1387.6	1297.0	1206.4	1089.9	973.4	963.0	950.1	965.6
35°	1928.7	1889.9	1814.8	1737.1	1581.8	1423.9	1276.3	1126.1	1077.0	1025.2	1035.5
37.5°	1952.0	1939.0	1923.5	1905.4	1747.5	1589.5	1429.0	1268.5	1216.8	1162.4	1123.6
40°	1970.1	1980.5	2008.9	2034.8	1876.9	1716.4	1571.4	1423.9	1369.5	1312.5	1245.2
42.5°	2053.0	2081.4	2117.7	2151.3	2006.4	1861.4	1734.5	1607.7	1537.8	1467.9	1405.7
45°	2244.5	2260.1	2298.9	2335.1	2197.9	2058.1	1913.2	1765.6	1706.0	1646.5	1584.4
47.5°	2524.1	2550.0	2547.4	2544.8	2392.1	2236.8	2073.7	1908.0	1869.1	1827.7	1768.2
50°	2876.2	2858.1	2808.9	2759.7	2594.0	2425.7	2234.2	2040.0	2021.9	2001.2	1952.0
52.5°	3052.2	3039.3	2972.0	2902.1	2733.8	2565.5	2358.4	2148.7	2172.0	2195.3	2148.7
55°	3062.6	3054.8	3005.6	2956.5	2793.4	2630.3	2446.5	2262.6	2319.6	2376.6	2358.4
57.5°	2987.5	2990.1	2974.6	2956.5	2811.5	2666.5	2513.8	2361.0	2459.4	2555.2	2573.3
60°	2795.9	2834.8	2860.7	2886.6	2795.9	2705.3	2573.3	2441.3	2591.4	2741.6	2790.8
62.5°	2441.3	2474.9	2568.1	2658.7	2676.9	2692.4	2604.4	2513.8	2715.7	2915.0	2995.3
65°	1892.4	1939.0	2078.8	2218.6	2363.6	2508.6	2529.3	2550.0	2891.7	3233.5	3300.8
67.5°	1180.5	1206.4	1354.0	1498.9	1791.5	2081.4	2247.1	2412.8	3003.1	3590.7	3696.9
70°	623.9	662.7	735.2	805.1	1056.2	1307.4	1643.9	1980.5	2834.8	3689.1	4124.0
72.5°	473.8	489.3	528.1	567.0	655.0	743.0	955.3	1167.6	2218.6	3267.1	4269.0
75°	341.7	354.7	396.1	434.9	522.9	608.4	696.4	781.8	1369.5	1957.2	3538.9
77.5°	199.3	204.5	225.2	243.4	380.6	517.8	613.6	706.8	849.1	988.9	2526.7
80°	137.2	139.8	147.6	155.3	214.9	274.4	458.2	642.0	706.8	768.9	1675.0
82.5°	90.6	103.6	108.7	113.9	134.6	155.3	269.2	380.6	559.2	735.2	1144.3
85°	46.6	51.8	62.1	69.9	80.3	88.0	121.7	152.7	463.4	771.5	823.3
87.5°	5.2	7.8	10.4	10.4	12.9	15.5	23.3	31.1	139.8	248.5	212.3
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°	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7
2.5°	1988.2	1993.4	1990.8	1996.0	1998.6	2001.2	2003.8	2003.8	2001.2	1996.0	1990.8
5°	1636.1	1739.7	1915.7	1933.9	1952.0	1957.2	1962.3	1964.9	1959.8	1952.0	1944.2
7.5°	1561.1	1576.6	1418.7	1545.5	1669.8	1680.2	1687.9	1682.7	1685.3	1615.4	1542.9
10°	1162.4	1175.3	1180.5	1219.3	1255.6	1341.0	1426.5	1413.5	1403.2	1278.9	1152.0
12.5°	1043.3	1110.6	1126.1	1061.4	996.7	1084.7	1172.7	1162.4	1144.3	1030.4	916.4
15°	836.2	766.3	916.4	1056.2	1193.5	1276.3	1356.6	1333.3	1312.5	1167.6	1020.0
17.5°	970.8	1012.2	963.0	983.8	1004.5	1066.6	1126.1	1089.9	1077.0	976.0	872.4
20°	877.6	875.0	841.4	963.0	1084.7	1206.4	1325.5	1289.2	1227.1	1030.4	831.0
22.5°	818.1	986.3	1058.8	1043.3	1025.2	978.6	929.4	898.3	851.7	807.7	761.1
25°	903.5	833.6	890.6	1077.0	1260.8	1294.4	1328.1	1250.4	1149.4	950.1	750.8
27.5°	864.7	973.4	1045.9	1170.2	1291.8	1408.3	1524.8	1421.3	1289.2	1040.7	789.6
30°	932.0	991.5	1193.5	1426.5	1659.4	1700.9	1739.7	1597.3	1421.3	1170.2	919.0
32.5°	981.2	1139.1	1317.7	1498.9	1677.6	1708.6	1739.7	1579.2	1377.3	1100.3	823.3
35°	1043.3	1159.8	1322.9	1535.2	1747.5	1755.2	1760.4	1574.0	1346.2	1032.9	717.1
37.5°	1084.7	1216.8	1392.8	1618.0	1843.3	1827.7	1809.6	1597.3	1335.8	986.3	636.9
40°	1177.9	1291.8	1480.8	1711.2	1941.6	1915.7	1889.9	1646.5	1338.4	939.7	538.5
42.5°	1341.0	1385.0	1589.5	1835.5	2081.4	2053.0	2021.9	1731.9	1369.5	913.9	455.6
45°	1519.6	1540.4	1716.4	1996.0	2275.6	2239.3	2203.1	1864.0	1426.5	900.9	375.4
47.5°	1706.0	1700.9	1864.0	2203.1	2539.7	2462.0	2384.3	2019.3	1532.6	926.8	321.0
50°	1900.2	1892.4	2050.4	2415.4	2780.4	2697.6	2614.7	2205.7	1654.3	973.4	290.0
52.5°	2099.6	2117.7	2234.2	2614.7	2992.7	2917.6	2840.0	2407.6	1773.4	1025.2	277.0
55°	2337.7	2394.7	2441.3	2821.8	3202.4	3127.3	3049.7	2614.7	1939.0	1105.4	271.8
57.5°	2588.8	2663.9	2684.6	3031.5	3378.4	3329.2	3277.5	2811.5	2107.3	1198.6	287.4
60°	2840.0	2938.3	3013.4	3293.0	3570.0	3513.1	3456.1	3010.8	2265.2	1302.2	339.1
62.5°	3073.0	3210.2	3331.8	3536.4	3738.3	3671.0	3603.7	3184.3	2443.9	1444.6	442.7
65°	3365.5	3487.2	3619.2	3753.8	3885.9	3821.1	3756.4	3401.7	2682.0	1623.2	561.8
67.5°	3803.0	3839.3	3906.6	3989.4	4069.7	4030.8	3989.4	3668.4	2889.1	1726.8	561.8
70°	4556.4	4476.1	4375.1	4372.6	4367.4	4305.2	4240.5	3818.5	2902.1	1685.3	468.6
72.5°	5268.3	5542.7	5221.7	4988.7	4755.7	4481.3	4204.3	3616.6	2563.0	1467.9	372.8
75°	5118.1	6184.7	6029.4	5397.7	4766.1	4269.0	3771.9	3150.6	2109.9	1214.2	318.4
77.5°	4061.9	5457.3	5604.8	5024.9	4442.5	3769.4	3093.7	2436.1	1462.7	864.7	266.7
80°	2578.5	4080.0	4105.9	3567.4	3026.4	2304.1	1581.8	1061.4	704.2	458.2	212.3
82.5°	1553.3	2415.4	2102.1	1506.7	911.3	631.7	349.5	336.5	258.9	191.6	124.3
85°	875.0	1183.1	849.1	556.6	264.1	189.0	111.3	119.1	113.9	93.2	69.9
87.5°	173.5	204.5	139.8	80.3	20.7	20.7	18.1	18.1	12.9	12.9	10.4
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°	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7	2016.7
2.5°	1990.8	1990.8	1985.6	1980.5	1977.9	1975.3	1897.6	1820.0	1768.2	1713.8	1700.9
5°	1848.4	1752.6	1680.2	1607.7	1592.1	1576.6	1574.0	1571.4	1563.7	1553.3	1550.7
7.5°	1460.1	1374.7	1434.2	1491.2	1480.8	1467.9	1460.1	1449.8	1431.6	1413.5	1322.9
10°	1123.6	1095.1	1095.1	1092.5	1071.8	1051.1	1097.7	1144.3	1196.0	1247.8	1242.6
12.5°	957.9	996.7	895.7	792.2	849.1	903.5	955.3	1004.5	1030.4	1056.2	976.0
15°	903.5	784.4	750.8	717.1	743.0	768.9	693.8	616.1	675.7	735.2	748.2
17.5°	810.3	748.2	714.5	678.3	579.9	478.9	512.6	546.2	543.7	541.1	528.1
20°	755.9	678.3	618.7	556.6	510.0	463.4	414.2	362.4	339.1	313.2	375.4
22.5°	719.7	678.3	554.0	429.7	393.5	357.3	318.4	277.0	292.5	305.5	315.8
25°	629.1	504.8	434.9	365.0	308.1	248.5	251.1	253.7	240.8	227.8	287.4
27.5°	636.9	481.5	372.8	264.1	243.4	220.1	207.1	191.6	212.3	230.4	235.6
30°	667.9	416.8	315.8	214.9	191.6	168.3	176.0	181.2	181.2	181.2	207.1
32.5°	592.8	362.4	269.2	173.5	160.5	145.0	147.6	147.6	160.5	173.5	186.4
35°	502.2	284.8	220.1	152.7	139.8	126.9	132.0	137.2	150.2	163.1	181.2
37.5°	432.3	225.2	181.2	137.2	129.4	121.7	124.3	126.9	139.8	150.2	165.7
40°	365.0	189.0	160.5	132.0	124.3	116.5	119.1	119.1	129.4	139.8	150.2
42.5°	315.8	173.5	152.7	129.4	121.7	111.3	113.9	113.9	121.7	129.4	137.2
45°	271.8	165.7	147.6	126.9	119.1	108.7	108.7	106.1	113.9	119.1	124.3
47.5°	243.4	163.1	145.0	126.9	116.5	103.6	101.0	98.4	106.1	111.3	119.1
50°	227.8	163.1	145.0	124.3	111.3	98.4	95.8	93.2	103.6	111.3	124.3
52.5°	222.6	165.7	145.0	124.3	108.7	93.2	93.2	93.2	111.3	129.4	134.6
55°	222.6	170.9	147.6	121.7	106.1	90.6	95.8	101.0	106.1	111.3	111.3
57.5°	227.8	168.3	142.4	116.5	106.1	93.2	90.6	88.0	90.6	93.2	93.2
60°	251.1	163.1	137.2	111.3	98.4	85.4	82.8	80.3	85.4	88.0	88.0
62.5°	302.9	160.5	137.2	111.3	95.8	80.3	80.3	77.7	80.3	82.8	85.4
65°	370.2	178.6	145.0	111.3	95.8	80.3	75.1	69.9	75.1	77.7	77.7
67.5°	385.7	209.7	168.3	124.3	101.0	77.7	72.5	67.3	72.5	75.1	75.1
70°	349.5	230.4	181.2	132.0	106.1	77.7	72.5	64.7	67.3	69.9	67.3
72.5°	300.3	225.2	178.6	129.4	103.6	75.1	69.9	62.1	64.7	64.7	62.1
75°	256.3	194.2	152.7	108.7	88.0	64.7	59.5	54.4	57.0	57.0	57.0
77.5°	214.9	160.5	124.3	85.4	69.9	51.8	49.2	46.6	49.2	51.8	49.2
80°	168.3	121.7	93.2	62.1	51.8	38.8	41.4	41.4	44.0	44.0	44.0
82.5°	98.4	72.5	59.5	44.0	36.2	28.5	31.1	33.7	36.2	36.2	36.2
85°	59.5	46.6	38.8	31.1	25.9	18.1	23.3	25.9	25.9	25.9	23.3
87.5°	10.4	10.4	10.4	10.4	7.8	5.2	10.4	12.9	12.9	12.9	10.4
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°	2016.7	2016.7	2016.7	2016.7
2.5°	1685.3	1685.3	1682.7	1682.7
5°	1548.1	1542.9	1537.8	1542.9
7.5°	1232.3	1196.0	1159.8	1170.2
10°	1234.9	1232.3	1229.7	1227.1
12.5°	893.2	864.7	836.2	818.1
15°	758.5	750.8	740.4	740.4
17.5°	512.6	489.3	466.0	450.5
20°	437.5	450.5	460.8	466.0
22.5°	326.2	336.5	346.9	352.1
25°	344.3	370.2	393.5	396.1
27.5°	238.2	251.1	261.5	256.3
30°	233.0	240.8	248.5	248.5
32.5°	199.3	220.1	240.8	243.4
35°	199.3	209.7	220.1	222.6
37.5°	178.6	186.4	191.6	194.2
40°	160.5	165.7	168.3	168.3
42.5°	142.4	155.3	165.7	165.7
45°	126.9	160.5	194.2	204.5
47.5°	124.3	173.5	222.6	233.0
50°	134.6	181.2	225.2	230.4
52.5°	137.2	163.1	186.4	186.4
55°	108.7	121.7	132.0	129.4
57.5°	93.2	103.6	111.3	111.3
60°	88.0	101.0	111.3	113.9
62.5°	85.4	90.6	95.8	101.0
65°	77.7	77.7	77.7	77.7
67.5°	72.5	72.5	69.9	69.9
70°	64.7	64.7	64.7	64.7
72.5°	59.5	59.5	59.5	57.0
75°	54.4	54.4	51.8	51.8
77.5°	46.6	46.6	46.6	46.6
80°	41.4	41.4	38.8	38.8
82.5°	33.7	33.7	31.1	28.5
85°	20.7	20.7	18.1	15.5
87.5°	7.8	7.8	5.2	2.6
90°	0.0	0.0	0.0	0.0

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