

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: P561017

Luminaire Tested: **SDL-PA1-80-722-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561017
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-PA1-80-722-U-SL3
Description: Springdale
(1) 70 CRI, 2200K, 1050mA 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: 6823.2 lumens
Efficiency: N/A
Efficacy: 83.2 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 - G3

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

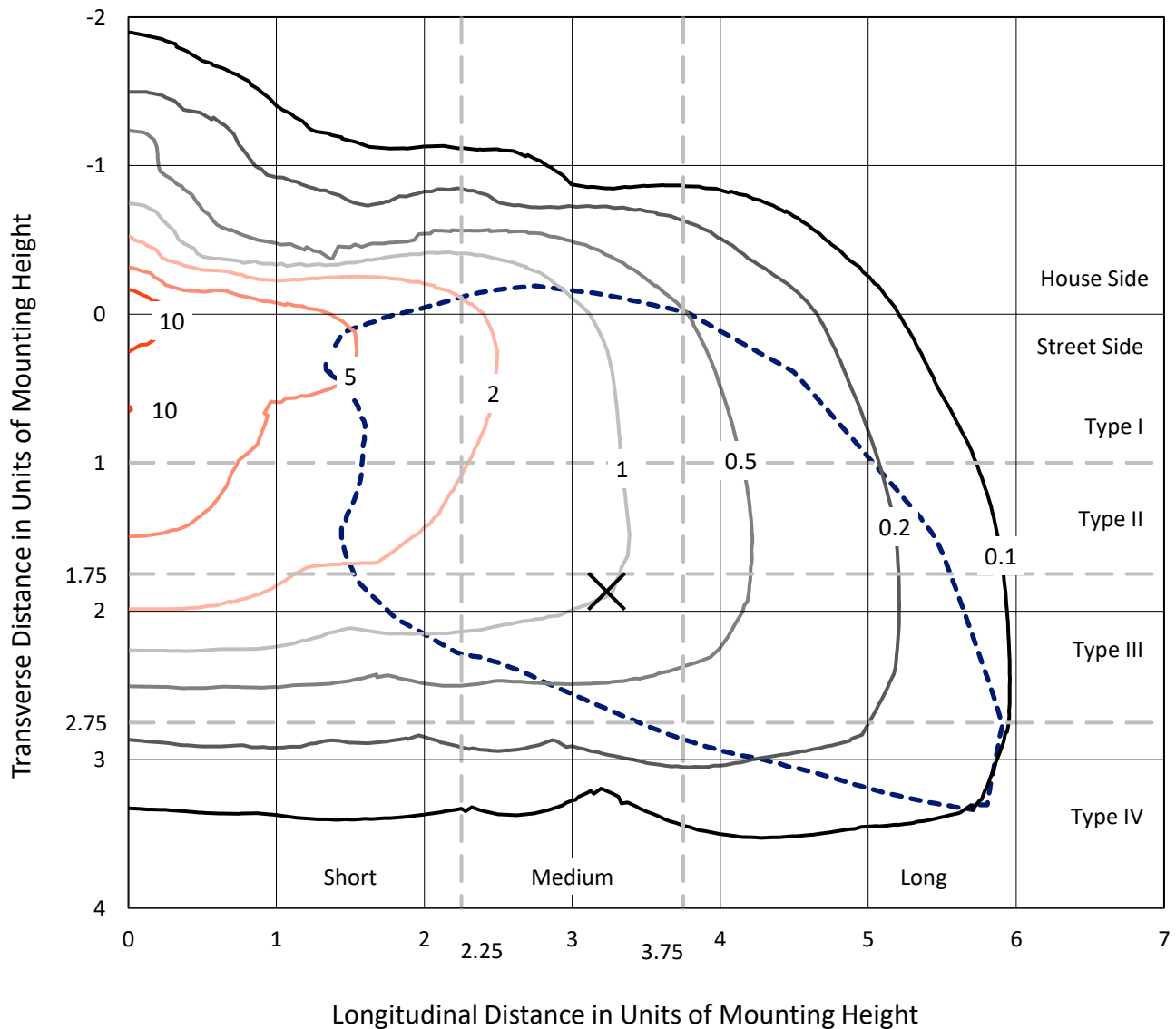


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

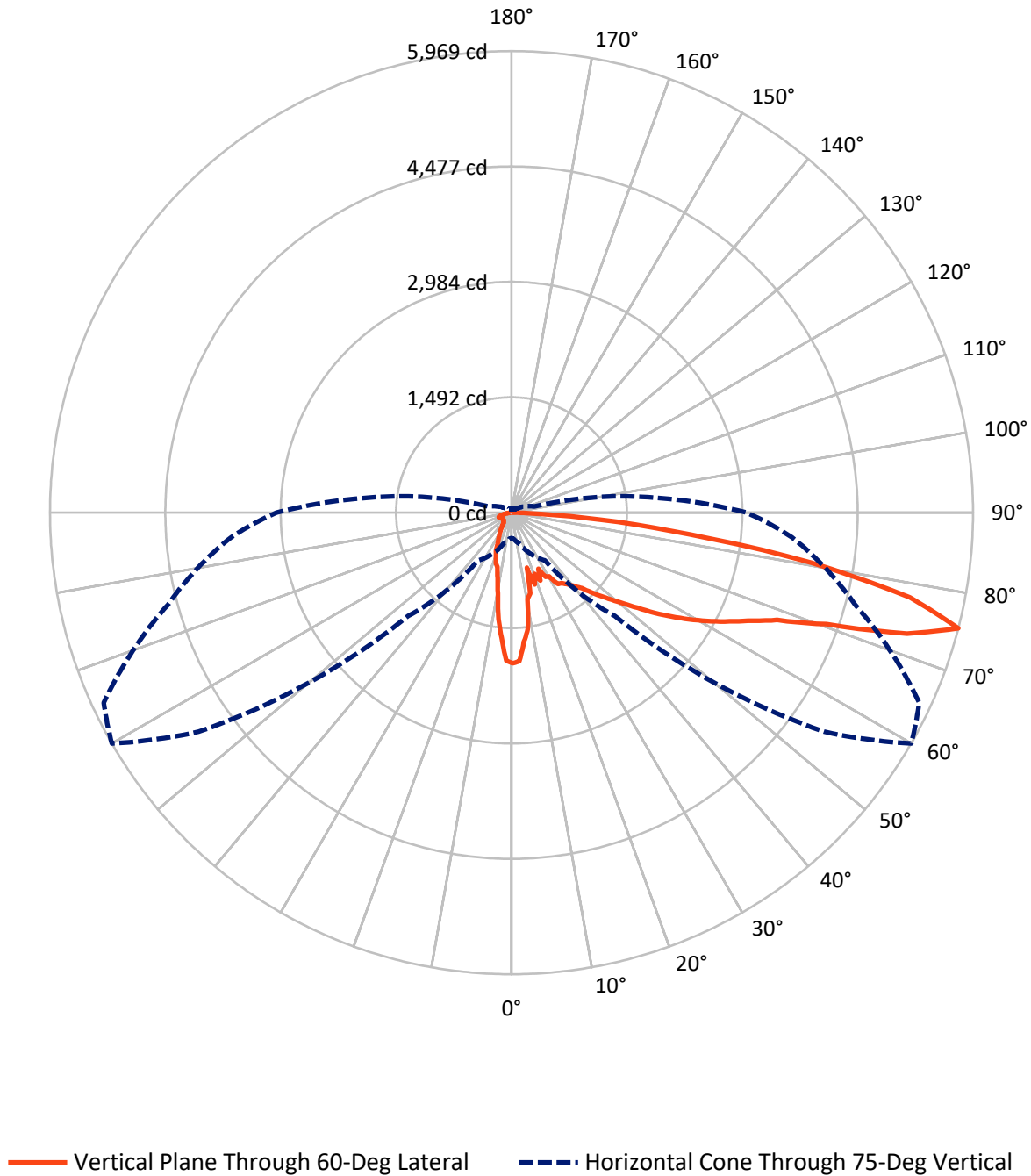


Based on 10 foot mounting height. Maximum calculated value = 19.5 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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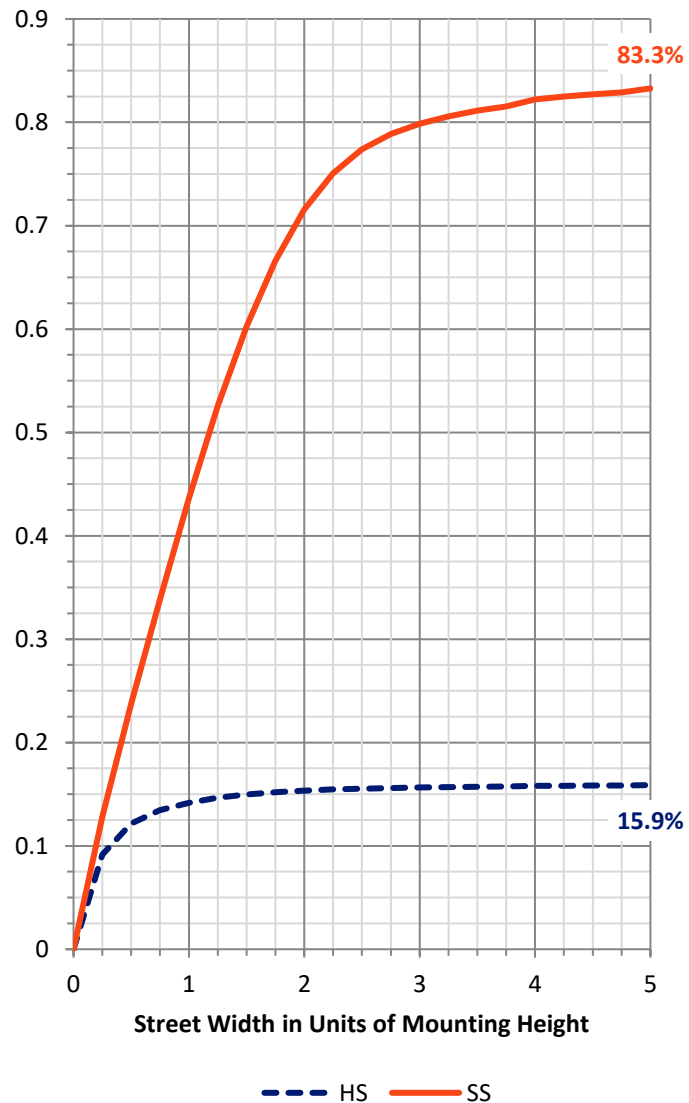
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1096.7	0.0	1096.7
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	5726.5	0.0	5726.5
	% Fixture	83.9	0.0	83.9
Total	Lumens	6823.2	0.0	6823.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.0	2.1
10°-20°	256.2	3.8
20°-30°	335.6	4.9
30°-40°	553.7	8.1
40°-50°	864.7	12.7
50°-60°	1316.5	19.3
60°-70°	1631.1	23.9
70°-80°	1441.0	21.1
80°-90°	282.5	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°	6823.2	100.0
0°-180°	6823.2	100.0

Coefficient of Utilization



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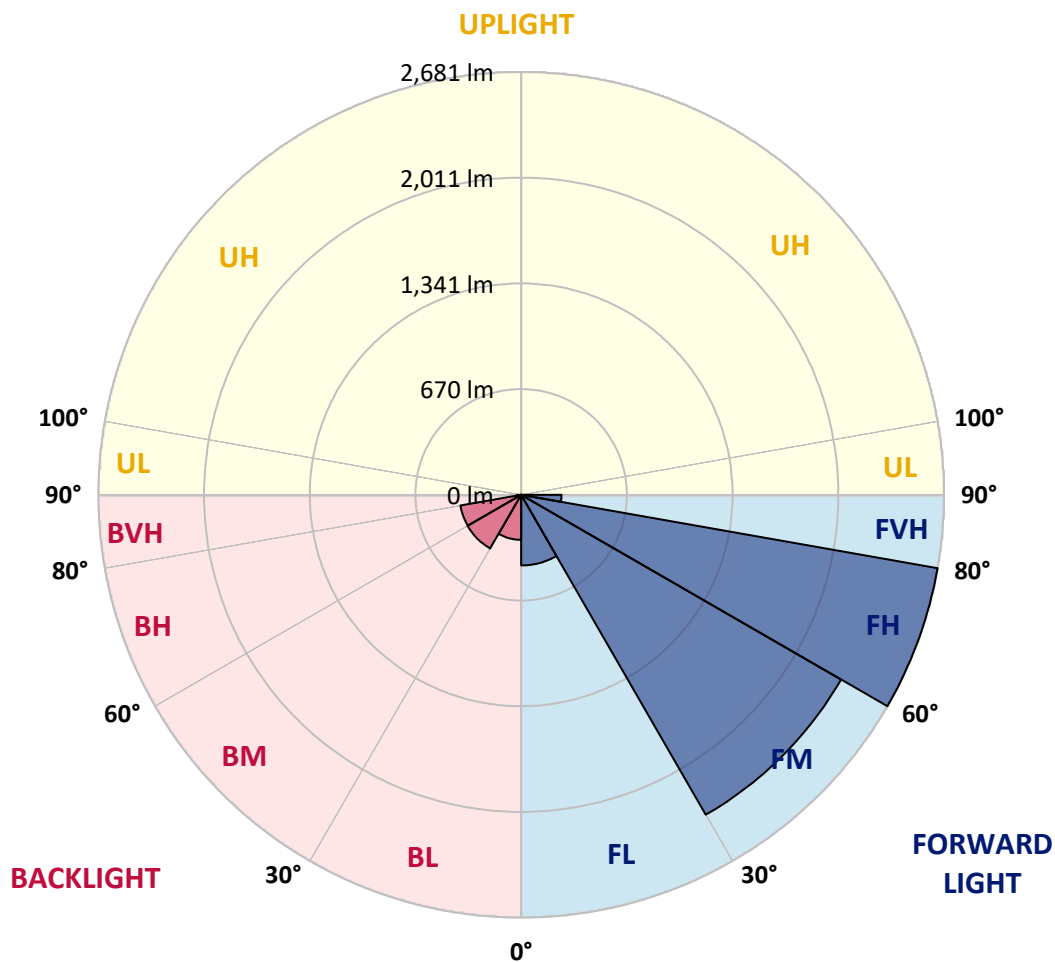
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	448.0	6.6			
FM	(30°-60°)	2341.9	34.3			
FH	(60°-80°)	2681.0	39.3			G2/5000
FVH	(80°-90°)	255.5	3.7			G3/500
BL	(0°-30°)	285.7	4.2	B1/500		
BM	(30°-60°)	392.9	5.8	B1/1000		
BH	(60°-80°)	391.1	5.7	B1/500		G1/500
BVH	(80°-90°)	26.9	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°	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3
2.5°	1616.5	1798.8	1756.4	1713.9	1778.9	1841.3	1861.3	1878.8	1888.8	1898.8	1908.8
5°	1501.5	1504.0	1506.5	1509.0	1516.5	1521.5	1531.5	1541.5	1551.5	1559.0	1569.0
7.5°	1159.3	1199.2	1264.2	1329.1	1369.1	1406.6	1429.1	1449.1	1464.1	1479.1	1494.0
10°	1289.2	1296.7	1299.2	1299.2	1311.7	1324.2	1229.2	1131.8	1179.2	1226.7	1174.2
12.5°	1011.9	1039.3	1121.8	1201.7	1226.7	1249.2	1204.2	1159.3	1089.3	1016.8	1011.9
15°	1161.8	1169.3	1171.8	1171.8	1094.3	1016.8	964.4	909.4	951.9	991.9	899.4
17.5°	899.4	906.9	971.9	1036.8	1049.3	1061.8	1006.9	951.9	829.5	704.5	822.0
20°	1069.3	1074.3	1074.3	1074.3	944.4	814.5	824.5	832.0	871.9	911.9	879.4
22.5°	861.9	861.9	861.9	861.9	901.9	939.4	859.5	779.5	824.5	869.4	829.5
25°	1084.3	1091.8	1074.3	1054.3	934.4	814.5	852.0	889.4	822.0	754.5	814.5
27.5°	989.4	981.9	946.9	909.4	926.9	944.4	861.9	779.5	832.0	884.4	859.5
30°	1314.2	1291.7	1254.2	1216.7	1074.3	931.9	909.4	886.9	842.0	794.5	847.0
32.5°	1746.4	1688.9	1514.0	1339.1	1251.7	1164.3	1051.8	939.4	929.4	916.9	931.9
35°	1861.3	1823.8	1751.4	1676.4	1526.5	1374.1	1231.7	1086.8	1039.3	989.4	999.4
37.5°	1883.8	1871.3	1856.3	1838.8	1686.4	1534.0	1379.1	1224.2	1174.2	1121.8	1084.3
40°	1901.3	1911.3	1938.8	1963.7	1811.3	1656.4	1516.5	1374.1	1321.7	1266.7	1201.7
42.5°	1981.2	2008.7	2043.7	2076.2	1936.3	1796.4	1673.9	1551.5	1484.1	1416.6	1356.6
45°	2166.1	2181.1	2218.6	2253.6	2121.1	1986.2	1846.3	1703.9	1646.4	1589.0	1529.0
47.5°	2435.9	2460.9	2458.4	2455.9	2308.5	2158.6	2001.2	1841.3	1803.8	1763.9	1706.4
50°	2775.7	2758.2	2710.8	2663.3	2503.4	2341.0	2156.1	1968.7	1951.3	1931.3	1883.8
52.5°	2945.6	2933.1	2868.2	2800.7	2638.3	2475.9	2276.0	2073.7	2096.2	2118.6	2073.7
55°	2955.6	2948.1	2900.6	2853.2	2695.8	2538.4	2361.0	2183.6	2238.6	2293.5	2276.0
57.5°	2883.2	2885.7	2870.7	2853.2	2713.3	2573.4	2425.9	2278.5	2373.5	2465.9	2483.4
60°	2698.3	2735.7	2760.7	2785.7	2698.3	2610.8	2483.4	2356.0	2500.9	2645.8	2693.3
62.5°	2356.0	2388.5	2478.4	2565.9	2583.3	2598.3	2513.4	2425.9	2620.8	2813.2	2890.7
65°	1826.3	1871.3	2006.2	2141.1	2281.0	2421.0	2440.9	2460.9	2790.7	3120.5	3185.5
67.5°	1139.3	1164.3	1306.7	1446.6	1728.9	2008.7	2168.6	2328.5	2898.1	3465.3	3567.7
70°	602.1	639.6	709.5	777.0	1019.3	1261.7	1586.5	1911.3	2735.7	3560.2	3980.0
72.5°	457.2	472.2	509.7	547.1	632.1	717.0	921.9	1126.8	2141.1	3153.0	4119.9
75°	329.8	342.3	382.3	419.7	504.7	587.1	672.1	754.5	1321.7	1888.8	3415.3
77.5°	192.4	197.4	217.4	234.8	367.3	499.7	592.1	682.1	819.5	954.4	2438.4
80°	132.4	134.9	142.4	149.9	207.4	264.8	442.2	619.6	682.1	742.0	1616.5
82.5°	87.4	99.9	104.9	109.9	129.9	149.9	259.8	367.3	539.7	709.5	1104.3
85°	45.0	50.0	60.0	67.5	77.5	84.9	117.4	147.4	447.2	744.5	794.5
87.5°	5.0	7.5	10.0	10.0	12.5	15.0	22.5	30.0	134.9	239.8	204.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3
2.5°	1918.8	1923.8	1921.3	1926.3	1928.8	1931.3	1933.8	1933.8	1931.3	1926.3	1921.3
5°	1579.0	1678.9	1848.8	1866.3	1883.8	1888.8	1893.8	1896.3	1891.3	1883.8	1876.3
7.5°	1506.5	1521.5	1369.1	1491.5	1611.5	1621.5	1629.0	1624.0	1626.5	1559.0	1489.0
10°	1121.8	1134.3	1139.3	1176.7	1211.7	1294.2	1376.6	1364.1	1354.1	1234.2	1111.8
12.5°	1006.9	1071.8	1086.8	1024.3	961.9	1046.8	1131.8	1121.8	1104.3	994.4	884.4
15°	807.0	739.5	884.4	1019.3	1151.8	1231.7	1309.2	1286.7	1266.7	1126.8	984.4
17.5°	936.9	976.9	929.4	949.4	969.4	1029.3	1086.8	1051.8	1039.3	941.9	842.0
20°	847.0	844.5	812.0	929.4	1046.8	1164.3	1279.2	1244.2	1184.2	994.4	802.0
22.5°	789.5	951.9	1021.8	1006.9	989.4	944.4	896.9	866.9	822.0	779.5	734.5
25°	871.9	804.5	859.5	1039.3	1216.7	1249.2	1281.7	1206.7	1109.3	916.9	724.5
27.5°	834.5	939.4	1009.4	1129.3	1246.7	1359.1	1471.6	1371.6	1244.2	1004.4	762.0
30°	899.4	956.9	1151.8	1376.6	1601.5	1641.4	1678.9	1541.5	1371.6	1129.3	886.9
32.5°	946.9	1099.3	1271.7	1446.6	1619.0	1648.9	1678.9	1524.0	1329.1	1061.8	794.5
35°	1006.9	1119.3	1276.7	1481.6	1686.4	1693.9	1698.9	1519.0	1299.2	996.9	692.1
37.5°	1046.8	1174.2	1344.1	1561.5	1778.9	1763.9	1746.4	1541.5	1289.2	951.9	614.6
40°	1136.8	1246.7	1429.1	1651.4	1873.8	1848.8	1823.8	1589.0	1291.7	906.9	519.7
42.5°	1294.2	1336.6	1534.0	1771.4	2008.7	1981.2	1951.3	1671.4	1321.7	881.9	439.7
45°	1466.6	1486.5	1656.4	1926.3	2196.1	2161.1	2126.1	1798.8	1376.6	869.4	362.3
47.5°	1646.4	1641.4	1798.8	2126.1	2450.9	2376.0	2301.0	1948.8	1479.1	894.4	309.8
50°	1833.8	1826.3	1978.7	2331.0	2683.3	2603.3	2523.4	2128.6	1596.5	939.4	279.8
52.5°	2026.2	2043.7	2156.1	2523.4	2888.2	2815.7	2740.7	2323.5	1711.4	989.4	267.3
55°	2256.1	2311.0	2356.0	2723.3	3090.5	3018.1	2943.1	2523.4	1871.3	1066.8	262.3
57.5°	2498.4	2570.9	2590.8	2925.6	3260.4	3212.9	3163.0	2713.3	2033.7	1156.8	277.3
60°	2740.7	2835.7	2908.1	3178.0	3445.3	3390.3	3335.4	2905.6	2186.1	1256.7	327.3
62.5°	2965.6	3098.0	3215.4	3412.8	3607.7	3542.7	3477.8	3073.0	2358.5	1394.1	427.2
65°	3247.9	3365.3	3492.8	3622.7	3750.1	3687.6	3625.2	3282.9	2588.3	1566.5	542.2
67.5°	3670.2	3705.1	3770.1	3850.0	3927.5	3890.0	3850.0	3540.2	2788.2	1666.4	542.2
70°	4397.2	4319.7	4222.3	4219.8	4214.8	4154.8	4092.4	3685.1	2800.7	1626.5	452.2
72.5°	5084.2	5349.1	5039.3	4814.4	4589.6	4324.7	4057.4	3490.3	2473.4	1416.6	359.8
75°	4939.3	5968.7	5818.8	5209.2	4599.6	4119.9	3640.2	3040.6	2036.2	1171.8	307.3
77.5°	3920.0	5266.6	5409.0	4849.4	4287.3	3637.7	2985.6	2351.0	1411.6	834.5	257.3
80°	2488.4	3937.5	3962.5	3442.8	2920.6	2223.6	1526.5	1024.3	679.6	442.2	204.9
82.5°	1499.0	2331.0	2028.7	1454.1	879.4	609.6	337.3	324.8	249.8	184.9	119.9
85°	844.5	1141.8	819.5	537.2	254.8	182.4	107.4	114.9	109.9	89.9	67.5
87.5°	167.4	197.4	134.9	77.5	20.0	20.0	17.5	17.5	12.5	12.5	10.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3	1946.3
2.5°	1921.3	1921.3	1916.3	1911.3	1908.8	1906.3	1831.3	1756.4	1706.4	1653.9	1641.4
5°	1783.9	1691.4	1621.5	1551.5	1536.5	1521.5	1519.0	1516.5	1509.0	1499.0	1496.5
7.5°	1409.1	1326.7	1384.1	1439.1	1429.1	1416.6	1409.1	1399.1	1381.6	1364.1	1276.7
10°	1084.3	1056.8	1056.8	1054.3	1034.3	1014.4	1059.3	1104.3	1154.3	1204.2	1199.2
12.5°	924.4	961.9	864.4	764.5	819.5	871.9	921.9	969.4	994.4	1019.3	941.9
15°	871.9	757.0	724.5	692.1	717.0	742.0	669.6	594.6	652.1	709.5	722.0
17.5°	782.0	722.0	689.6	654.6	559.6	462.2	494.7	527.2	524.7	522.2	509.7
20°	729.5	654.6	597.1	537.2	492.2	447.2	399.7	349.8	327.3	302.3	362.3
22.5°	694.6	654.6	534.7	414.7	379.8	344.8	307.3	267.3	282.3	294.8	304.8
25°	607.1	487.2	419.7	352.3	297.3	239.8	242.3	244.8	232.4	219.9	277.3
27.5°	614.6	464.7	359.8	254.8	234.8	212.4	199.9	184.9	204.9	222.4	227.4
30°	644.6	402.2	304.8	207.4	184.9	162.4	169.9	174.9	174.9	174.9	199.9
32.5°	572.1	349.8	259.8	167.4	154.9	139.9	142.4	142.4	154.9	167.4	179.9
35°	484.7	274.8	212.4	147.4	134.9	122.4	127.4	132.4	144.9	157.4	174.9
37.5°	417.2	217.4	174.9	132.4	124.9	117.4	119.9	122.4	134.9	144.9	159.9
40°	352.3	182.4	154.9	127.4	119.9	112.4	114.9	114.9	124.9	134.9	144.9
42.5°	304.8	167.4	147.4	124.9	117.4	107.4	109.9	109.9	117.4	124.9	132.4
45°	262.3	159.9	142.4	122.4	114.9	104.9	104.9	102.4	109.9	114.9	119.9
47.5°	234.8	157.4	139.9	122.4	112.4	99.9	97.4	94.9	102.4	107.4	114.9
50°	219.9	157.4	139.9	119.9	107.4	94.9	92.4	89.9	99.9	107.4	119.9
52.5°	214.9	159.9	139.9	119.9	104.9	89.9	89.9	89.9	107.4	124.9	129.9
55°	214.9	164.9	142.4	117.4	102.4	87.4	92.4	97.4	102.4	107.4	107.4
57.5°	219.9	162.4	137.4	112.4	102.4	89.9	87.4	84.9	87.4	89.9	89.9
60°	242.3	157.4	132.4	107.4	94.9	82.4	79.9	77.5	82.4	84.9	84.9
62.5°	292.3	154.9	132.4	107.4	92.4	77.5	77.5	75.0	77.5	79.9	82.4
65°	357.3	172.4	139.9	107.4	92.4	77.5	72.5	67.5	72.5	75.0	75.0
67.5°	372.3	202.4	162.4	119.9	97.4	75.0	70.0	65.0	70.0	72.5	72.5
70°	337.3	222.4	174.9	127.4	102.4	75.0	70.0	62.5	65.0	67.5	65.0
72.5°	289.8	217.4	172.4	124.9	99.9	72.5	67.5	60.0	62.5	62.5	60.0
75°	247.3	187.4	147.4	104.9	84.9	62.5	57.5	52.5	55.0	55.0	55.0
77.5°	207.4	154.9	119.9	82.4	67.5	50.0	47.5	45.0	47.5	50.0	47.5
80°	162.4	117.4	89.9	60.0	50.0	37.5	40.0	40.0	42.5	42.5	42.5
82.5°	94.9	70.0	57.5	42.5	35.0	27.5	30.0	32.5	35.0	35.0	35.0
85°	57.5	45.0	37.5	30.0	25.0	17.5	22.5	25.0	25.0	25.0	22.5
87.5°	10.0	10.0	10.0	10.0	7.5	5.0	10.0	12.5	12.5	12.5	10.0
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):

	165°	170°	175°	180°
0°	1946.3	1946.3	1946.3	1946.3
2.5°	1626.5	1626.5	1624.0	1624.0
5°	1494.0	1489.0	1484.1	1489.0
7.5°	1189.2	1154.3	1119.3	1129.3
10°	1191.7	1189.2	1186.7	1184.2
12.5°	861.9	834.5	807.0	789.5
15°	732.0	724.5	714.5	714.5
17.5°	494.7	472.2	449.7	434.7
20°	422.2	434.7	444.7	449.7
22.5°	314.8	324.8	334.8	339.8
25°	332.3	357.3	379.8	382.3
27.5°	229.9	242.3	252.3	247.3
30°	224.9	232.4	239.8	239.8
32.5°	192.4	212.4	232.4	234.8
35°	192.4	202.4	212.4	214.9
37.5°	172.4	179.9	184.9	187.4
40°	154.9	159.9	162.4	162.4
42.5°	137.4	149.9	159.9	159.9
45°	122.4	154.9	187.4	197.4
47.5°	119.9	167.4	214.9	224.9
50°	129.9	174.9	217.4	222.4
52.5°	132.4	157.4	179.9	179.9
55°	104.9	117.4	127.4	124.9
57.5°	89.9	99.9	107.4	107.4
60°	84.9	97.4	107.4	109.9
62.5°	82.4	87.4	92.4	97.4
65°	75.0	75.0	75.0	75.0
67.5°	70.0	70.0	67.5	67.5
70°	62.5	62.5	62.5	62.5
72.5°	57.5	57.5	57.5	55.0
75°	52.5	52.5	50.0	50.0
77.5°	45.0	45.0	45.0	45.0
80°	40.0	40.0	37.5	37.5
82.5°	32.5	32.5	30.0	27.5
85°	20.0	20.0	17.5	15.0
87.5°	7.5	7.5	5.0	2.5
90°	0.0	0.0	0.0	0.0

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