

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: P560819

Luminaire Tested: **SDL-PA1-60-830-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560819
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-PA1-60-830-U-SL3
Description: Springdale
(1) 80 CRI, 3000K, 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: 5924.6 lumens
Efficiency: N/A
Efficacy: 94.9 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 - G2

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

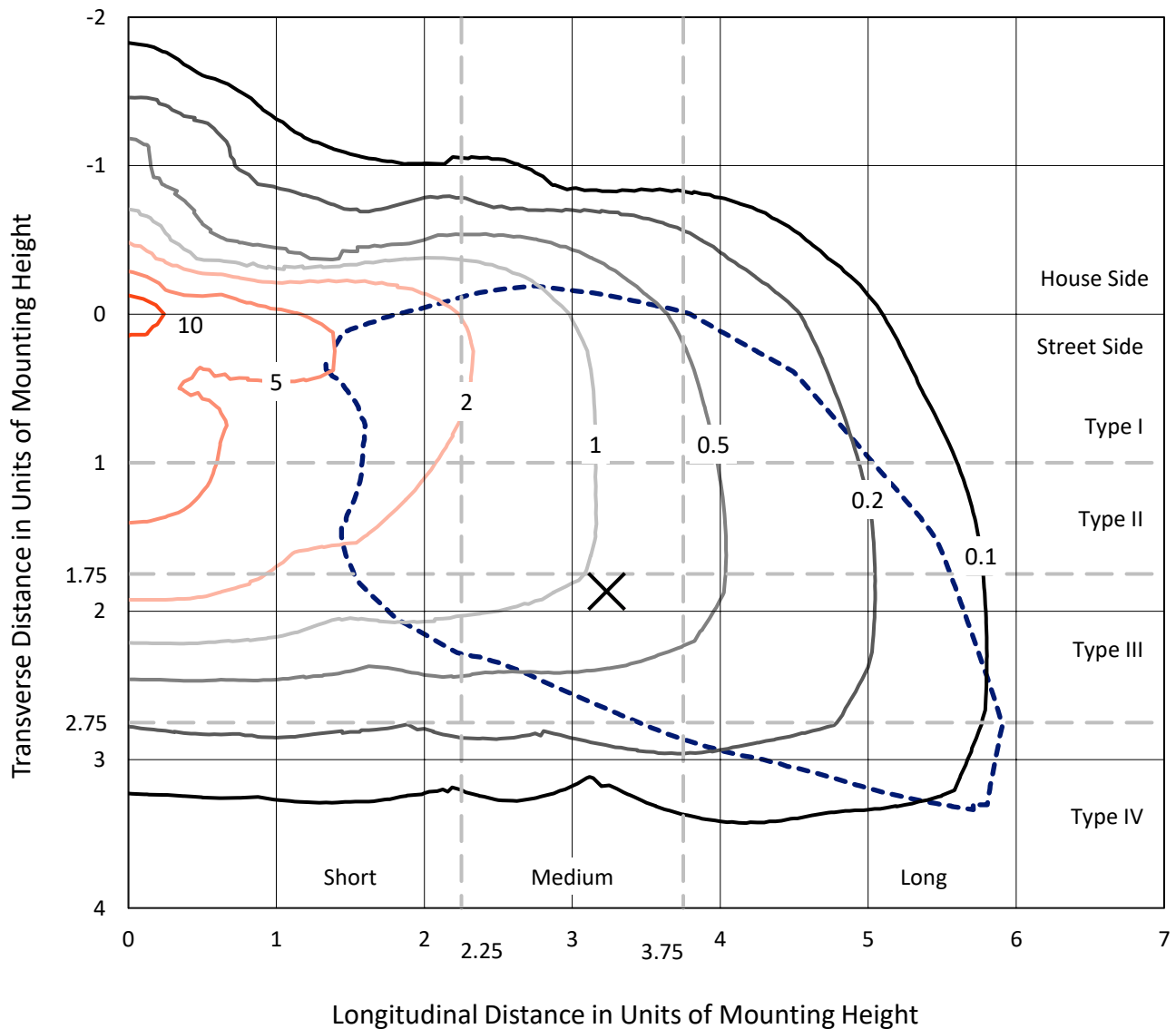


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

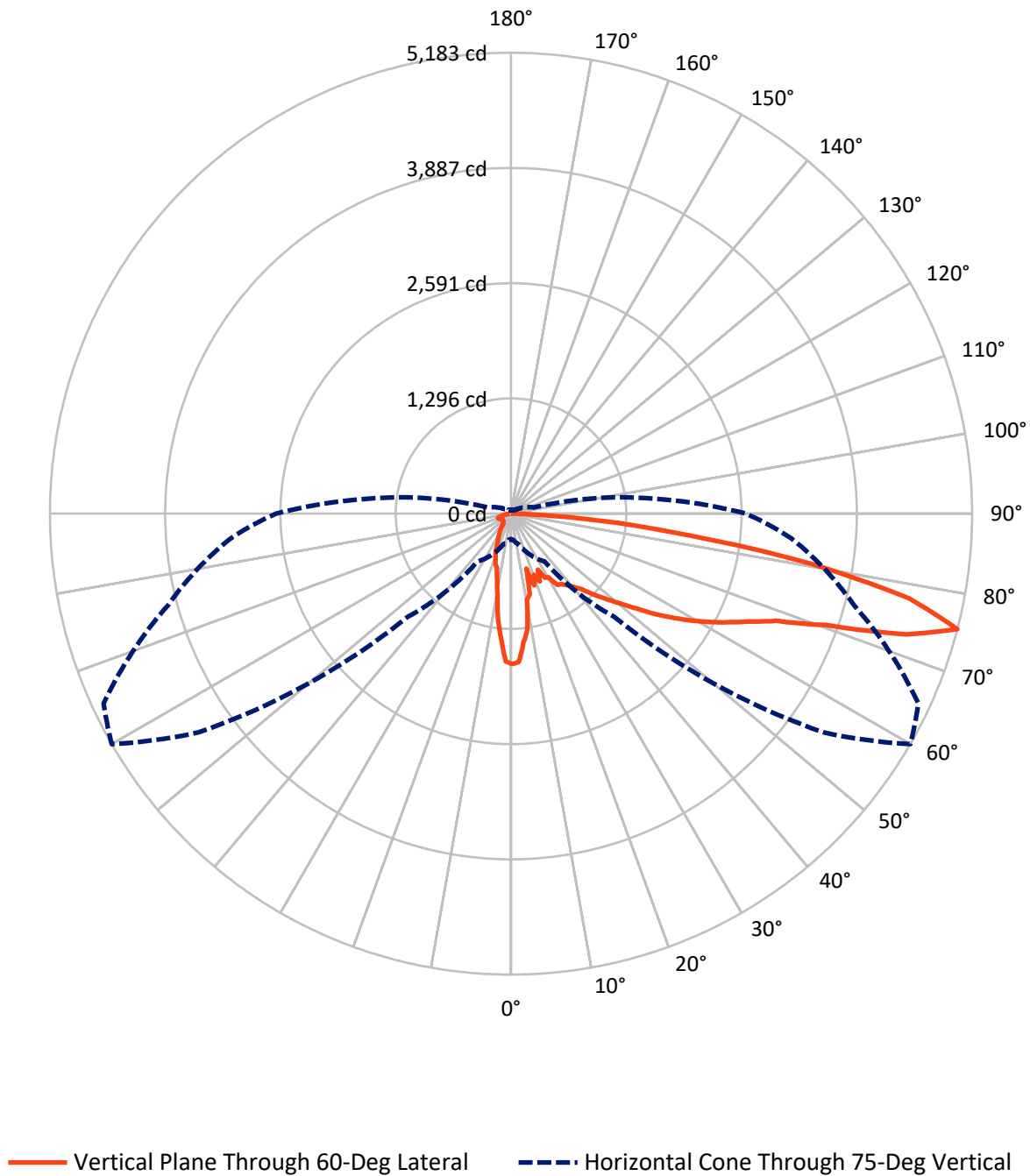


Based on 10 foot mounting height. Maximum calculated value = 16.9 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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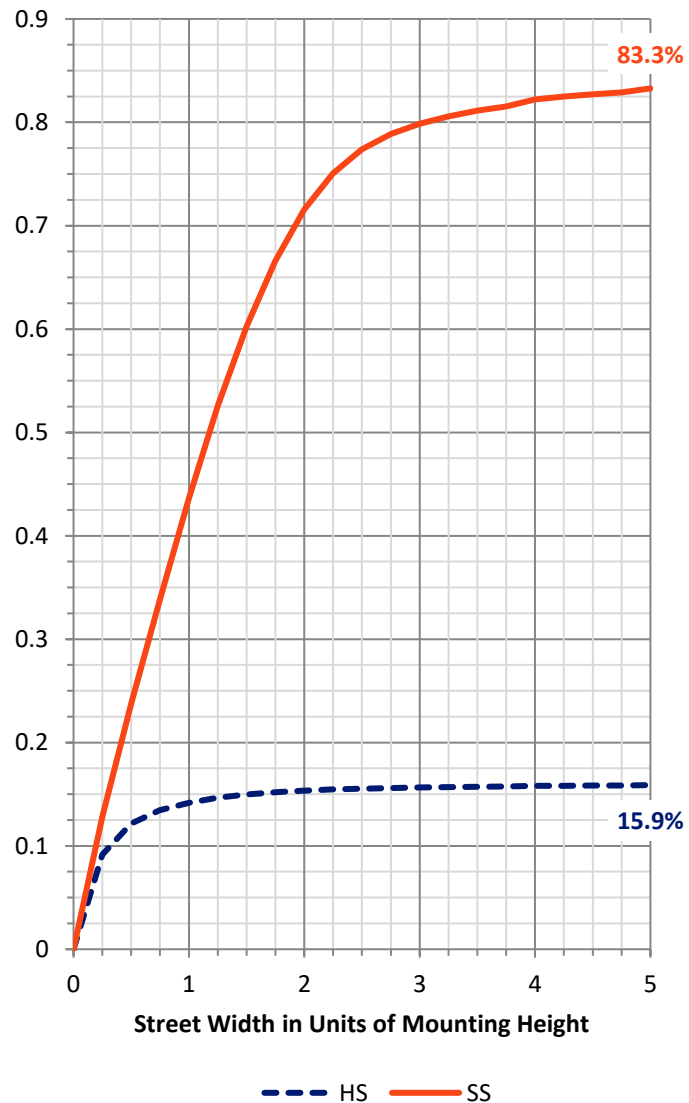
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	952.3	0.0	952.3
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	4972.3	0.0	4972.3
	% Fixture	83.9	0.0	83.9
Total	Lumens	5924.6	0.0	5924.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.3	2.1
10°-20°	222.4	3.8
20°-30°	291.4	4.9
30°-40°	480.8	8.1
40°-50°	750.8	12.7
50°-60°	1143.1	19.3
60°-70°	1416.3	23.9
70°-80°	1251.2	21.1
80°-90°	245.3	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°	5924.6	100.0
0°-180°	5924.6	100.0

Coefficient of Utilization



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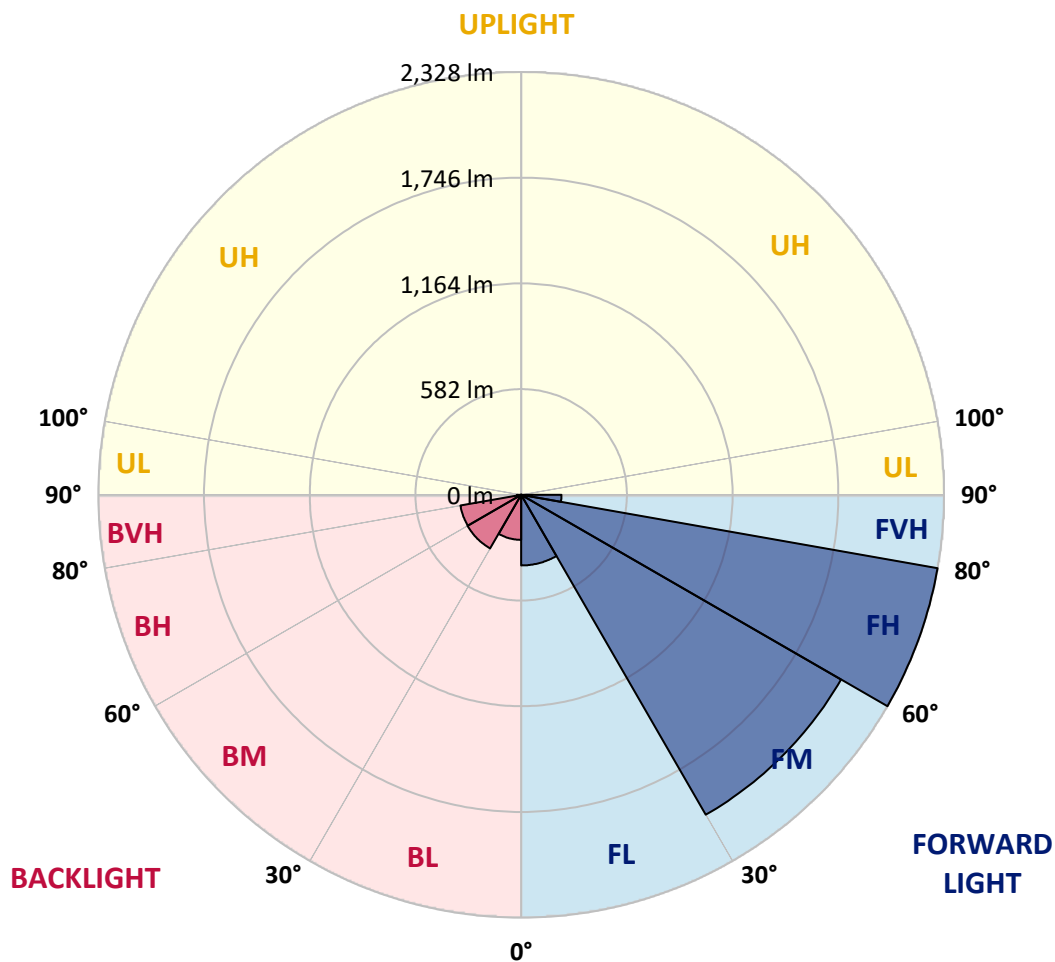
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	389.0	6.6			
FM	(30°-60°)	2033.5	34.3			
FH	(60°-80°)	2327.9	39.3			G2/5000
FVH	(80°-90°)	221.9	3.7			G2/225
BL	(0°-30°)	248.1	4.2	B1/500		
BM	(30°-60°)	341.2	5.8	B1/1000		
BH	(60°-80°)	339.6	5.7	B1/500		G1/500
BVH	(80°-90°)	23.4	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°	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9
2.5°	1403.6	1561.9	1525.1	1488.2	1544.6	1598.8	1616.2	1631.4	1640.0	1648.7	1657.4
5°	1303.8	1306.0	1308.1	1310.3	1316.8	1321.1	1329.8	1338.5	1347.2	1353.7	1362.4
7.5°	1006.6	1041.3	1097.7	1154.1	1188.8	1221.3	1240.9	1258.2	1271.2	1284.3	1297.3
10°	1119.4	1125.9	1128.1	1128.1	1138.9	1149.8	1067.3	982.7	1023.9	1065.2	1019.6
12.5°	878.6	902.5	974.0	1043.5	1065.2	1084.7	1045.6	1006.6	945.8	882.9	878.6
15°	1008.8	1015.3	1017.4	1017.4	950.2	882.9	837.4	789.6	826.5	861.2	781.0
17.5°	781.0	787.5	843.9	900.3	911.1	922.0	874.3	826.5	720.2	611.8	713.7
20°	928.5	932.8	932.8	932.8	820.0	707.2	715.9	722.4	757.1	791.8	763.6
22.5°	748.4	748.4	748.4	748.4	783.1	815.7	746.3	676.8	715.9	754.9	720.2
25°	941.5	948.0	932.8	915.5	811.3	707.2	739.8	772.3	713.7	655.1	707.2
27.5°	859.1	852.6	822.2	789.6	804.8	820.0	748.4	676.8	722.4	768.0	746.3
30°	1141.1	1121.6	1089.0	1056.5	932.8	809.2	789.6	770.1	731.1	689.9	735.4
32.5°	1516.4	1466.5	1314.6	1162.8	1086.8	1010.9	913.3	815.7	807.0	796.2	809.2
35°	1616.2	1583.6	1520.7	1455.6	1325.5	1193.1	1069.5	943.7	902.5	859.1	867.7
37.5°	1635.7	1624.9	1611.8	1596.6	1464.3	1332.0	1197.5	1063.0	1019.6	974.0	941.5
40°	1650.9	1659.6	1683.4	1705.1	1572.8	1438.3	1316.8	1193.1	1147.6	1099.9	1043.5
42.5°	1720.3	1744.2	1774.5	1802.7	1681.3	1559.8	1453.5	1347.2	1288.6	1230.0	1178.0
45°	1880.8	1893.9	1926.4	1956.8	1841.8	1724.6	1603.2	1479.5	1429.6	1379.7	1327.6
47.5°	2115.1	2136.8	2134.7	2132.5	2004.5	1874.3	1737.7	1598.8	1566.3	1531.6	1481.7
50°	2410.2	2395.0	2353.8	2312.5	2173.7	2032.7	1872.2	1709.5	1694.3	1676.9	1635.7
52.5°	2557.7	2546.8	2490.4	2431.9	2290.8	2149.8	1976.3	1800.6	1820.1	1839.6	1800.6
55°	2566.4	2559.8	2518.6	2477.4	2340.7	2204.1	2050.0	1896.0	1943.7	1991.5	1976.3
57.5°	2503.4	2505.6	2492.6	2477.4	2355.9	2234.4	2106.4	1978.5	2060.9	2141.2	2156.3
60°	2342.9	2375.4	2397.1	2418.8	2342.9	2267.0	2156.3	2045.7	2171.5	2297.4	2338.6
62.5°	2045.7	2073.9	2152.0	2227.9	2243.1	2256.1	2182.4	2106.4	2275.7	2442.7	2509.9
65°	1585.8	1624.9	1742.0	1859.1	1980.6	2102.1	2119.5	2136.8	2423.2	2709.5	2765.9
67.5°	989.2	1010.9	1134.6	1256.1	1501.2	1744.2	1883.0	2021.8	2516.5	3008.9	3097.8
70°	522.8	555.4	616.1	674.7	885.1	1095.5	1377.5	1659.6	2375.4	3091.3	3455.8
72.5°	397.0	410.0	442.5	475.1	548.8	622.6	800.5	978.4	1859.1	2737.7	3577.3
75°	286.4	297.2	331.9	364.5	438.2	509.8	583.6	655.1	1147.6	1640.0	2965.5
77.5°	167.0	171.4	188.7	203.9	318.9	433.9	514.1	592.2	711.6	828.7	2117.3
80°	115.0	117.1	123.7	130.2	180.1	230.0	384.0	538.0	592.2	644.3	1403.6
82.5°	75.9	86.8	91.1	95.5	112.8	130.2	225.6	318.9	468.6	616.1	958.9
85°	39.0	43.4	52.1	58.6	67.3	73.8	102.0	128.0	388.3	646.5	689.9
87.5°	4.3	6.5	8.7	8.7	10.8	13.0	19.5	26.0	117.1	208.3	177.9
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°	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9
2.5°	1666.1	1670.4	1668.2	1672.6	1674.7	1676.9	1679.1	1679.1	1676.9	1672.6	1668.2
5°	1371.0	1457.8	1605.3	1620.5	1635.7	1640.0	1644.4	1646.5	1642.2	1635.7	1629.2
7.5°	1308.1	1321.1	1188.8	1295.1	1399.2	1407.9	1414.4	1410.1	1412.3	1353.7	1292.9
10°	974.0	984.9	989.2	1021.8	1052.1	1123.7	1195.3	1184.5	1175.8	1071.7	965.4
12.5°	874.3	930.7	943.7	889.4	835.2	909.0	982.7	974.0	958.9	863.4	768.0
15°	700.7	642.1	768.0	885.1	1000.1	1069.5	1136.7	1117.2	1099.9	978.4	854.7
17.5°	813.5	848.2	807.0	824.4	841.7	893.8	943.7	913.3	902.5	817.8	731.1
20°	735.4	733.2	705.0	807.0	909.0	1010.9	1110.7	1080.3	1028.3	863.4	696.4
22.5°	685.5	826.5	887.3	874.3	859.1	820.0	778.8	752.8	713.7	676.8	637.8
25°	757.1	698.5	746.3	902.5	1056.5	1084.7	1112.9	1047.8	963.2	796.2	629.1
27.5°	724.6	815.7	876.4	980.6	1082.5	1180.1	1277.8	1191.0	1080.3	872.1	661.7
30°	781.0	830.9	1000.1	1195.3	1390.6	1425.3	1457.8	1338.5	1191.0	980.6	770.1
32.5°	822.2	954.5	1104.2	1256.1	1405.7	1431.8	1457.8	1323.3	1154.1	922.0	689.9
35°	874.3	971.9	1108.5	1286.4	1464.3	1470.8	1475.2	1319.0	1128.1	865.6	600.9
37.5°	909.0	1019.6	1167.1	1355.9	1544.6	1531.6	1516.4	1338.5	1119.4	826.5	533.7
40°	987.1	1082.5	1240.9	1433.9	1627.0	1605.3	1583.6	1379.7	1121.6	787.5	451.2
42.5°	1123.7	1160.6	1332.0	1538.1	1744.2	1720.3	1694.3	1451.3	1147.6	765.8	381.8
45°	1273.4	1290.8	1438.3	1672.6	1906.9	1876.5	1846.1	1561.9	1195.3	754.9	314.6
47.5°	1429.6	1425.3	1561.9	1846.1	2128.1	2063.1	1998.0	1692.1	1284.3	776.6	269.0
50°	1592.3	1585.8	1718.1	2024.0	2329.9	2260.5	2191.1	1848.3	1386.2	815.7	243.0
52.5°	1759.4	1774.5	1872.2	2191.1	2507.8	2444.9	2379.8	2017.5	1486.0	859.1	232.1
55°	1958.9	2006.7	2045.7	2364.6	2683.5	2620.6	2555.5	2191.1	1624.9	926.3	227.8
57.5°	2169.4	2232.3	2249.6	2540.3	2831.0	2789.8	2746.4	2355.9	1765.9	1004.4	240.8
60°	2379.8	2462.2	2525.1	2759.4	2991.5	2943.8	2896.1	2523.0	1898.2	1091.2	284.2
62.5°	2575.0	2690.0	2792.0	2963.3	3132.6	3076.2	3019.7	2668.3	2047.9	1210.5	371.0
65°	2820.2	2922.1	3032.8	3145.6	3256.2	3202.0	3147.7	2850.5	2247.5	1360.2	470.8
67.5°	3186.8	3217.2	3273.6	3343.0	3410.2	3377.7	3343.0	3074.0	2421.0	1447.0	470.8
70°	3818.1	3750.8	3666.2	3664.0	3659.7	3607.6	3553.4	3199.8	2431.9	1412.3	392.7
72.5°	4414.6	4644.6	4375.6	4180.4	3985.1	3755.2	3523.0	3030.6	2147.7	1230.0	312.4
75°	4288.8	5182.6	5052.4	4523.1	3993.8	3577.3	3160.8	2640.1	1768.0	1017.4	266.8
77.5°	3403.7	4573.0	4696.7	4210.7	3722.6	3158.6	2592.4	2041.4	1225.7	724.6	223.4
80°	2160.7	3418.9	3440.6	2989.4	2536.0	1930.7	1325.5	889.4	590.1	384.0	177.9
82.5°	1301.6	2024.0	1761.5	1262.6	763.6	529.3	292.9	282.0	216.9	160.5	104.1
85°	733.2	991.4	711.6	466.4	221.3	158.4	93.3	99.8	95.5	78.1	58.6
87.5°	145.3	171.4	117.1	67.3	17.4	17.4	15.2	15.2	10.8	10.8	8.7
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°	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9
2.5°	1668.2	1668.2	1663.9	1659.6	1657.4	1655.2	1590.1	1525.1	1481.7	1436.1	1425.3
5°	1548.9	1468.7	1407.9	1347.2	1334.2	1321.1	1319.0	1316.8	1310.3	1301.6	1299.4
7.5°	1223.5	1151.9	1201.8	1249.6	1240.9	1230.0	1223.5	1214.8	1199.7	1184.5	1108.5
10°	941.5	917.6	917.6	915.5	898.1	880.8	919.8	958.9	1002.2	1045.6	1041.3
12.5°	802.7	835.2	750.6	663.8	711.6	757.1	800.5	841.7	863.4	885.1	817.8
15°	757.1	657.3	629.1	600.9	622.6	644.3	581.4	516.3	566.2	616.1	626.9
17.5°	679.0	626.9	598.7	568.4	485.9	401.3	429.5	457.7	455.6	453.4	442.5
20°	633.5	568.4	518.5	466.4	427.4	388.3	347.1	303.7	284.2	262.5	314.6
22.5°	603.1	568.4	464.2	360.1	329.7	299.4	266.8	232.1	245.1	256.0	264.7
25°	527.2	423.0	364.5	305.9	258.2	208.3	210.4	212.6	201.8	190.9	240.8
27.5°	533.7	403.5	312.4	221.3	203.9	184.4	173.5	160.5	177.9	193.1	197.4
30°	559.7	349.3	264.7	180.1	160.5	141.0	147.5	151.9	151.9	151.9	173.5
32.5°	496.8	303.7	225.6	145.3	134.5	121.5	123.7	123.7	134.5	145.3	156.2
35°	420.9	238.6	184.4	128.0	117.1	106.3	110.6	115.0	125.8	136.7	151.9
37.5°	362.3	188.7	151.9	115.0	108.5	102.0	104.1	106.3	117.1	125.8	138.8
40°	305.9	158.4	134.5	110.6	104.1	97.6	99.8	99.8	108.5	117.1	125.8
42.5°	264.7	145.3	128.0	108.5	102.0	93.3	95.5	95.5	102.0	108.5	115.0
45°	227.8	138.8	123.7	106.3	99.8	91.1	91.1	88.9	95.5	99.8	104.1
47.5°	203.9	136.7	121.5	106.3	97.6	86.8	84.6	82.4	88.9	93.3	99.8
50°	190.9	136.7	121.5	104.1	93.3	82.4	80.3	78.1	86.8	93.3	104.1
52.5°	186.6	138.8	121.5	104.1	91.1	78.1	78.1	78.1	93.3	108.5	112.8
55°	186.6	143.2	123.7	102.0	88.9	75.9	80.3	84.6	88.9	93.3	93.3
57.5°	190.9	141.0	119.3	97.6	88.9	78.1	75.9	73.8	75.9	78.1	78.1
60°	210.4	136.7	115.0	93.3	82.4	71.6	69.4	67.3	71.6	73.8	73.8
62.5°	253.8	134.5	115.0	93.3	80.3	67.3	67.3	65.1	67.3	69.4	71.6
65°	310.2	149.7	121.5	93.3	80.3	67.3	62.9	58.6	62.9	65.1	65.1
67.5°	323.2	175.7	141.0	104.1	84.6	65.1	60.7	56.4	60.7	62.9	62.9
70°	292.9	193.1	151.9	110.6	88.9	65.1	60.7	54.2	56.4	58.6	56.4
72.5°	251.6	188.7	149.7	108.5	86.8	62.9	58.6	52.1	54.2	54.2	52.1
75°	214.8	162.7	128.0	91.1	73.8	54.2	49.9	45.6	47.7	47.7	47.7
77.5°	180.1	134.5	104.1	71.6	58.6	43.4	41.2	39.0	41.2	43.4	41.2
80°	141.0	102.0	78.1	52.1	43.4	32.5	34.7	34.7	36.9	36.9	36.9
82.5°	82.4	60.7	49.9	36.9	30.4	23.9	26.0	28.2	30.4	30.4	30.4
85°	49.9	39.0	32.5	26.0	21.7	15.2	19.5	21.7	21.7	21.7	19.5
87.5°	8.7	8.7	8.7	8.7	6.5	4.3	8.7	10.8	10.8	10.8	8.7
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°	1689.9	1689.9	1689.9	1689.9
2.5°	1412.3	1412.3	1410.1	1410.1
5°	1297.3	1292.9	1288.6	1292.9
7.5°	1032.6	1002.2	971.9	980.6
10°	1034.8	1032.6	1030.4	1028.3
12.5°	748.4	724.6	700.7	685.5
15°	635.6	629.1	620.4	620.4
17.5°	429.5	410.0	390.5	377.5
20°	366.6	377.5	386.1	390.5
22.5°	273.3	282.0	290.7	295.0
25°	288.5	310.2	329.7	331.9
27.5°	199.6	210.4	219.1	214.8
30°	195.2	201.8	208.3	208.3
32.5°	167.0	184.4	201.8	203.9
35°	167.0	175.7	184.4	186.6
37.5°	149.7	156.2	160.5	162.7
40°	134.5	138.8	141.0	141.0
42.5°	119.3	130.2	138.8	138.8
45°	106.3	134.5	162.7	171.4
47.5°	104.1	145.3	186.6	195.2
50°	112.8	151.9	188.7	193.1
52.5°	115.0	136.7	156.2	156.2
55°	91.1	102.0	110.6	108.5
57.5°	78.1	86.8	93.3	93.3
60°	73.8	84.6	93.3	95.5
62.5°	71.6	75.9	80.3	84.6
65°	65.1	65.1	65.1	65.1
67.5°	60.7	60.7	58.6	58.6
70°	54.2	54.2	54.2	54.2
72.5°	49.9	49.9	49.9	47.7
75°	45.6	45.6	43.4	43.4
77.5°	39.0	39.0	39.0	39.0
80°	34.7	34.7	32.5	32.5
82.5°	28.2	28.2	26.0	23.9
85°	17.4	17.4	15.2	13.0
87.5°	6.5	6.5	4.3	2.2
90°	0.0	0.0	0.0	0.0

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