

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: P560709

Luminaire Tested: **SDL-PA1-60-730-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560709
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-PA1-60-730-U-SL3
Description: Springdale
(1) 70 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: 6790 lumens
Efficiency: N/A
Efficacy: 108.8 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): 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



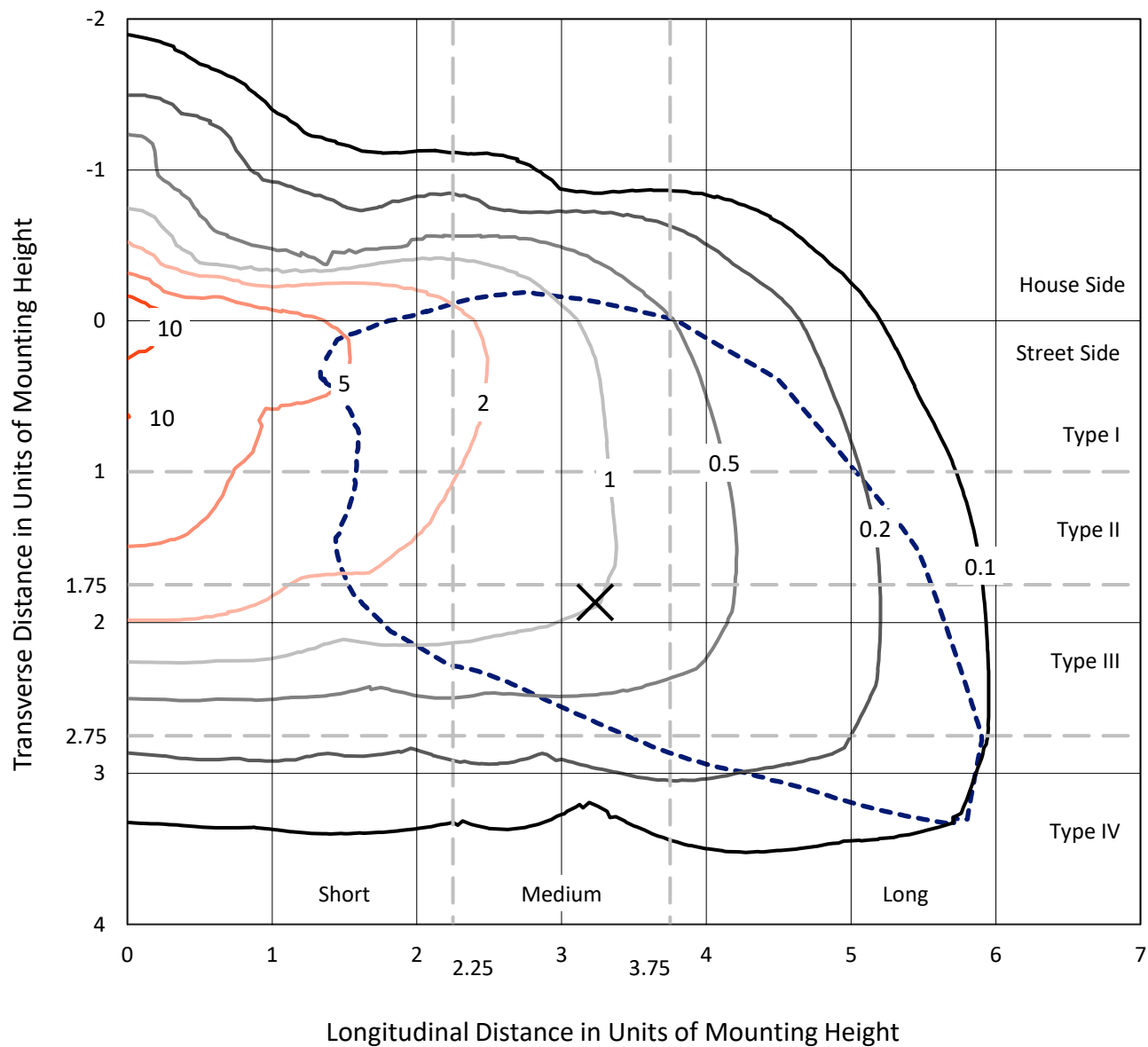
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



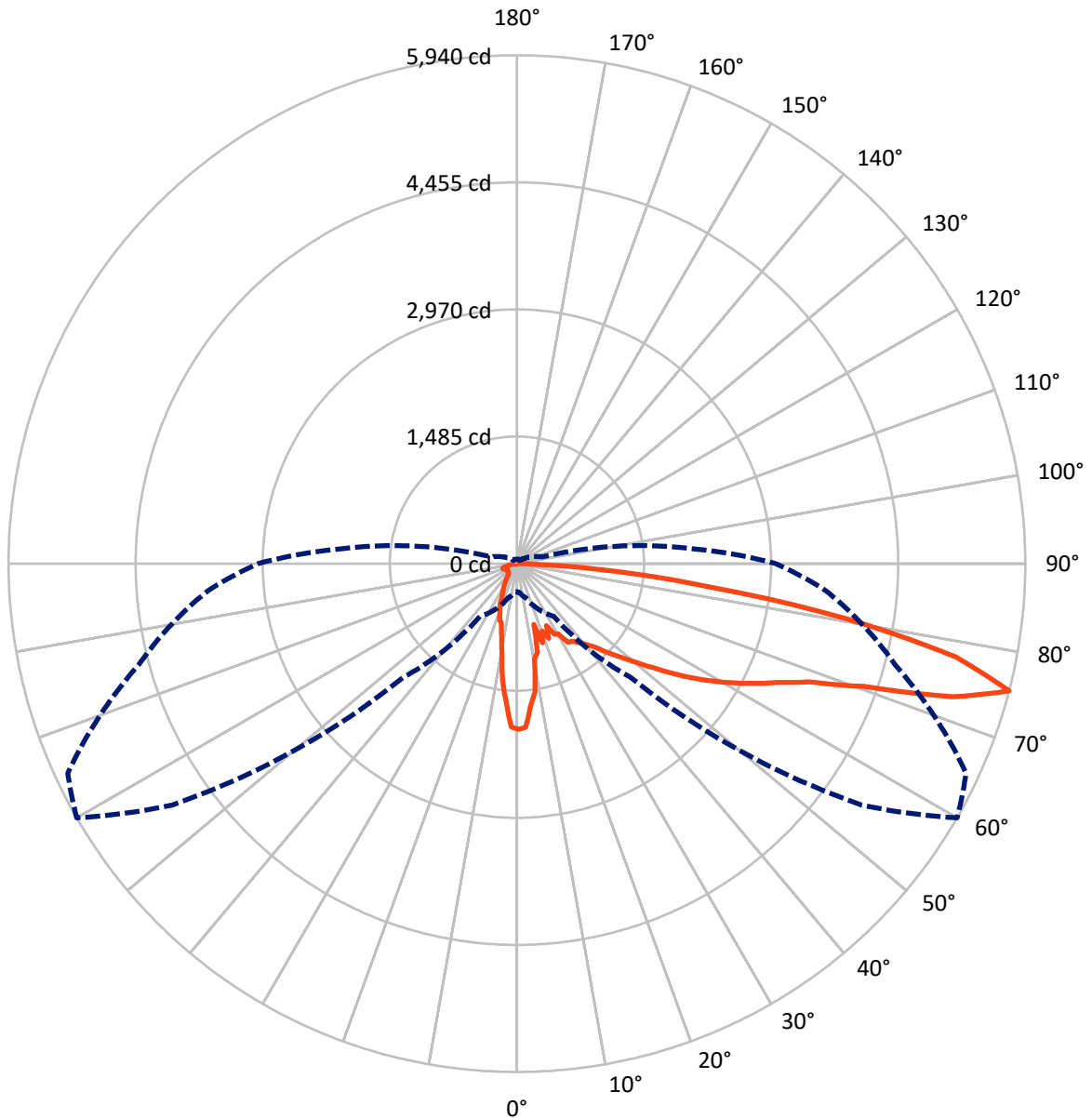
Based on 10 foot mounting height. Maximum calculated value = 19.4 fc

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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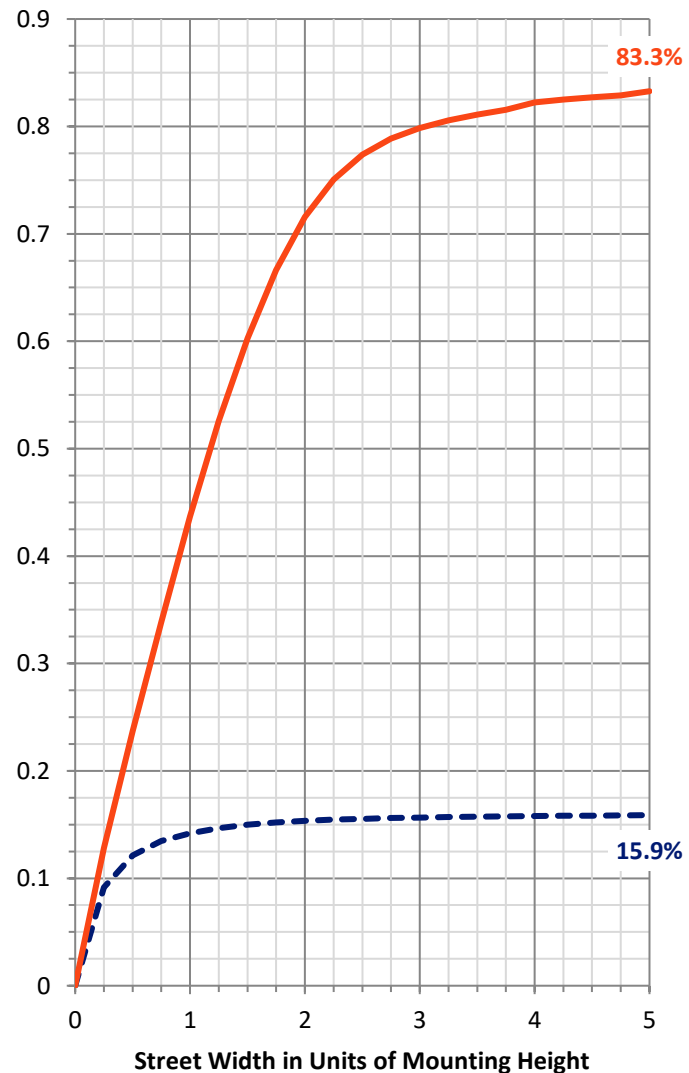
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1091.4	0.0	1091.4
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	5698.6	0.0	5698.6
	% Fixture	83.9	0.0	83.9
Total	Lumens	6790.0	0.0	6790.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.3	2.1
10°-20°	254.9	3.8
20°-30°	333.9	4.9
30°-40°	551.0	8.1
40°-50°	860.5	12.7
50°-60°	1310.0	19.3
60°-70°	1623.2	23.9
70°-80°	1434.0	21.1
80°-90°	281.1	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°	6790.0	100.0
0°-180°	6790.0	100.0



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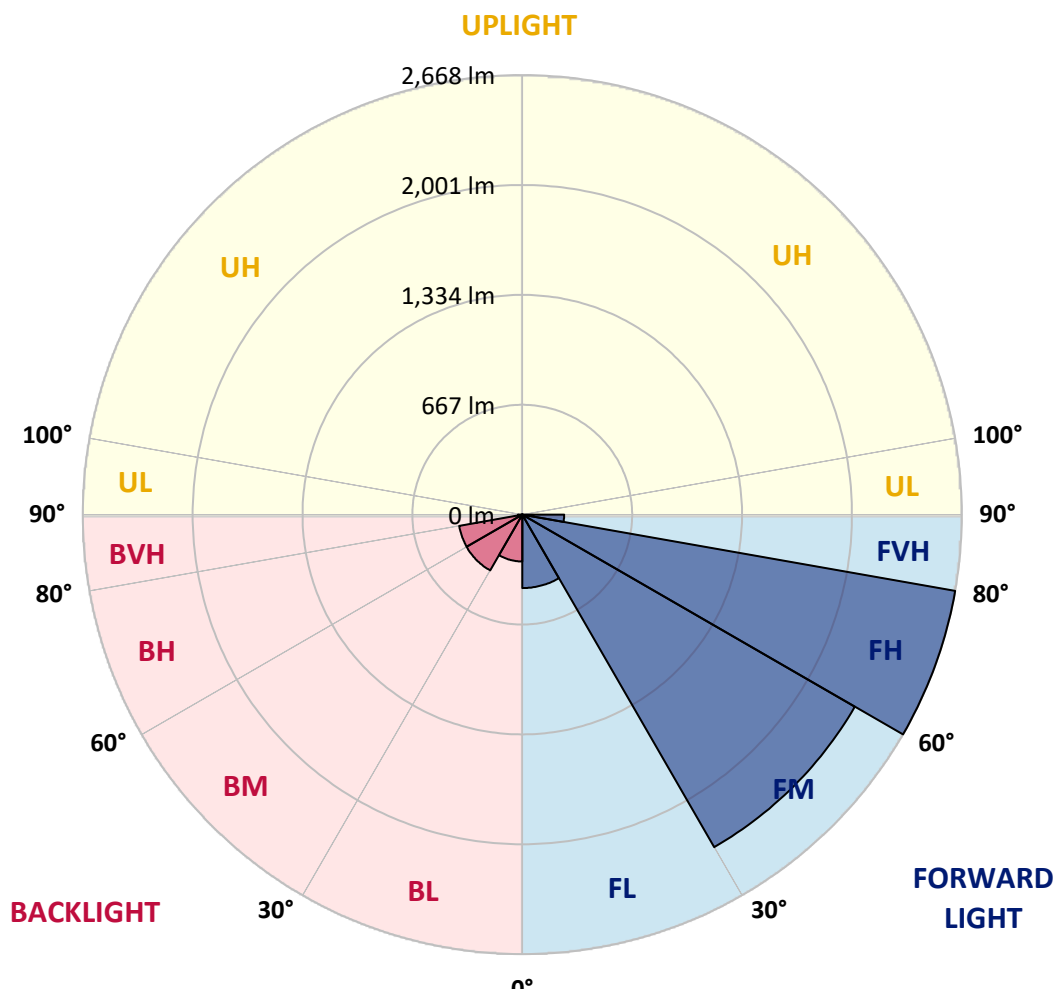
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	445.8	6.6			
FM	(30°-60°)	2330.5	34.3			
FH	(60°-80°)	2668.0	39.3			G2/5000
FVH	(80°-90°)	254.3	3.7			G3/500
BL	(0°-30°)	284.3	4.2	B1/500		
BM	(30°-60°)	391.0	5.8	B1/1000		
BH	(60°-80°)	389.2	5.7	B1/500		G1/500
BVH	(80°-90°)	26.8	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°	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8
2.5°	1608.6	1790.1	1747.8	1705.6	1770.2	1832.4	1852.2	1869.6	1879.6	1889.5	1899.5
5°	1494.2	1496.7	1499.2	1501.7	1509.1	1514.1	1524.1	1534.0	1544.0	1551.4	1561.4
7.5°	1153.6	1193.4	1258.0	1322.7	1362.5	1399.7	1422.1	1442.0	1456.9	1471.9	1486.8
10°	1282.9	1290.4	1292.8	1292.8	1305.3	1317.7	1223.2	1126.3	1173.5	1220.7	1168.5
12.5°	1006.9	1034.3	1116.3	1195.9	1220.7	1243.1	1198.4	1153.6	1084.0	1011.9	1006.9
15°	1156.1	1163.6	1166.0	1166.0	1089.0	1011.9	959.7	905.0	947.3	987.0	895.0
17.5°	895.0	902.5	967.1	1031.8	1044.2	1056.6	1002.0	947.3	825.4	701.1	818.0
20°	1064.1	1069.1	1069.1	1069.1	939.8	810.5	820.5	827.9	867.7	907.5	875.2
22.5°	857.8	857.8	857.8	857.8	897.5	934.8	855.3	775.7	820.5	865.2	825.4
25°	1079.0	1086.5	1069.1	1049.2	929.9	810.5	847.8	885.1	818.0	750.8	810.5
27.5°	984.5	977.1	942.3	905.0	922.4	939.8	857.8	775.7	827.9	880.1	855.3
30°	1307.8	1285.4	1248.1	1210.8	1069.1	927.4	905.0	882.6	837.9	790.6	842.8
32.5°	1737.9	1680.7	1506.7	1332.6	1245.6	1158.6	1046.7	934.8	924.9	912.4	927.4
35°	1852.2	1815.0	1742.8	1668.3	1519.1	1367.4	1225.7	1081.5	1034.3	984.5	994.5
37.5°	1874.6	1862.2	1847.3	1829.9	1678.2	1526.5	1372.4	1218.3	1168.5	1116.3	1079.0
40°	1892.0	1902.0	1929.3	1954.2	1802.5	1648.4	1509.1	1367.4	1315.2	1260.5	1195.9
42.5°	1971.6	1998.9	2033.7	2066.1	1926.8	1787.6	1665.8	1544.0	1476.8	1409.7	1350.0
45°	2155.6	2170.5	2207.8	2242.6	2110.8	1976.6	1837.3	1695.6	1638.4	1581.2	1521.6
47.5°	2424.1	2448.9	2446.5	2444.0	2297.3	2148.1	1991.5	1832.4	1795.1	1755.3	1698.1
50°	2762.2	2744.8	2697.6	2650.3	2491.2	2329.6	2145.6	1959.2	1941.7	1921.9	1874.6
52.5°	2931.3	2918.8	2854.2	2787.1	2625.5	2463.9	2265.0	2063.6	2085.9	2108.3	2063.6
55°	2941.2	2933.8	2886.5	2839.3	2682.6	2526.0	2349.5	2173.0	2227.7	2282.4	2265.0
57.5°	2869.1	2871.6	2856.7	2839.3	2700.0	2560.8	2414.1	2267.4	2361.9	2453.9	2471.3
60°	2685.1	2722.4	2747.3	2772.2	2685.1	2598.1	2471.3	2344.5	2488.7	2632.9	2680.2
62.5°	2344.5	2376.8	2466.3	2553.4	2570.8	2585.7	2501.2	2414.1	2608.1	2799.5	2876.6
65°	1817.4	1862.2	1996.4	2130.7	2269.9	2409.2	2429.0	2448.9	2777.1	3105.3	3169.9
67.5°	1133.7	1158.6	1300.3	1439.5	1720.5	1998.9	2158.1	2317.2	2884.0	3448.4	3550.3
70°	599.2	636.5	706.1	773.2	1014.4	1255.5	1578.8	1902.0	2722.4	3542.9	3960.6
72.5°	455.0	469.9	507.2	544.5	629.0	713.5	917.4	1121.3	2130.7	3137.6	4099.8
75°	328.2	340.6	380.4	417.7	502.2	584.3	668.8	750.8	1315.2	1879.6	3398.7
77.5°	191.4	196.4	216.3	233.7	365.5	497.2	589.2	678.7	815.5	949.7	2426.6
80°	131.8	134.3	141.7	149.2	206.4	263.5	440.1	616.6	678.7	738.4	1608.6
82.5°	87.0	99.4	104.4	109.4	129.3	149.2	258.6	365.5	537.0	706.1	1098.9
85°	44.8	49.7	59.7	67.1	77.1	84.5	116.9	146.7	445.0	740.9	790.6
87.5°	5.0	7.5	9.9	9.9	12.4	14.9	22.4	29.8	134.3	238.7	203.9
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°	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8
2.5°	1909.4	1914.4	1911.9	1916.9	1919.4	1921.9	1924.3	1924.3	1921.9	1916.9	1911.9
5°	1571.3	1670.7	1839.8	1857.2	1874.6	1879.6	1884.6	1887.1	1882.1	1874.6	1867.2
7.5°	1499.2	1514.1	1362.5	1484.3	1603.6	1613.6	1621.0	1616.1	1618.5	1551.4	1481.8
10°	1116.3	1128.7	1133.7	1171.0	1205.8	1287.9	1369.9	1357.5	1347.5	1228.2	1106.4
12.5°	1002.0	1066.6	1081.5	1019.4	957.2	1041.7	1126.3	1116.3	1098.9	989.5	880.1
15°	803.1	735.9	880.1	1014.4	1146.2	1225.7	1302.8	1280.4	1260.5	1121.3	979.6
17.5°	932.3	972.1	924.9	944.8	964.7	1024.3	1081.5	1046.7	1034.3	937.3	837.9
20°	842.8	840.3	808.0	924.9	1041.7	1158.6	1273.0	1238.1	1178.5	989.5	798.1
22.5°	785.6	947.3	1016.9	1002.0	984.5	939.8	892.6	862.7	818.0	775.7	731.0
25°	867.7	800.6	855.3	1034.3	1210.8	1243.1	1275.4	1200.9	1103.9	912.4	721.0
27.5°	830.4	934.8	1004.4	1123.8	1240.6	1352.5	1464.4	1364.9	1238.1	999.5	758.3
30°	895.0	952.2	1146.2	1369.9	1593.7	1633.5	1670.7	1534.0	1364.9	1123.8	882.6
32.5°	942.3	1093.9	1265.5	1439.5	1611.1	1640.9	1670.7	1516.6	1322.7	1056.6	790.6
35°	1002.0	1113.8	1270.5	1474.3	1678.2	1685.7	1690.6	1511.6	1292.8	992.0	688.7
37.5°	1041.7	1168.5	1337.6	1553.9	1770.2	1755.3	1737.9	1534.0	1282.9	947.3	611.6
40°	1131.2	1240.6	1422.1	1643.4	1864.7	1839.8	1815.0	1581.2	1285.4	902.5	517.1
42.5°	1287.9	1330.1	1526.5	1762.7	1998.9	1971.6	1941.7	1663.3	1315.2	877.6	437.6
45°	1459.4	1479.3	1648.4	1916.9	2185.4	2150.6	2115.8	1790.1	1369.9	865.2	360.5
47.5°	1638.4	1633.5	1790.1	2115.8	2439.0	2364.4	2289.8	1939.3	1471.9	890.1	308.3
50°	1824.9	1817.4	1969.1	2319.7	2670.2	2590.7	2511.1	2118.3	1588.7	934.8	278.5
52.5°	2016.3	2033.7	2145.6	2511.1	2874.1	2802.0	2727.4	2312.2	1703.1	984.5	266.0
55°	2245.1	2299.8	2344.5	2710.0	3075.5	3003.4	2928.8	2511.1	1862.2	1061.6	261.1
57.5°	2486.2	2558.3	2578.2	2911.4	3244.5	3197.3	3147.6	2700.0	2023.8	1151.1	276.0
60°	2727.4	2821.9	2894.0	3162.5	3428.5	3373.8	3319.1	2891.5	2175.5	1250.6	325.7
62.5°	2951.2	3082.9	3199.8	3396.2	3590.1	3525.5	3460.8	3058.1	2347.0	1387.3	425.1
65°	3232.1	3349.0	3475.8	3605.0	3731.8	3669.7	3607.5	3266.9	2575.7	1558.9	539.5
67.5°	3652.3	3687.1	3751.7	3831.3	3908.4	3871.1	3831.3	3523.0	2774.6	1658.3	539.5
70°	4375.8	4298.7	4201.7	4199.2	4194.3	4134.6	4072.5	3667.2	2787.1	1618.5	450.0
72.5°	5059.5	5323.0	5014.7	4791.0	4567.2	4303.7	4037.6	3473.3	2461.4	1409.7	358.0
75°	4915.3	5939.6	5790.4	5183.8	4577.2	4099.8	3622.4	3025.7	2026.3	1166.0	305.8
77.5°	3900.9	5241.0	5382.7	4825.8	4266.4	3620.0	2971.0	2339.5	1404.7	830.4	256.1
80°	2476.3	3918.3	3943.2	3426.0	2906.4	2212.7	1519.1	1019.4	676.3	440.1	203.9
82.5°	1491.7	2319.7	2018.8	1447.0	875.2	606.6	335.6	323.2	248.6	184.0	119.3
85°	840.3	1136.2	815.5	534.5	253.6	181.5	106.9	114.4	109.4	89.5	67.1
87.5°	166.6	196.4	134.3	77.1	19.9	19.9	17.4	17.4	12.4	12.4	9.9
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8	1936.8
2.5°	1911.9	1911.9	1906.9	1902.0	1899.5	1897.0	1822.4	1747.8	1698.1	1645.9	1633.5
5°	1775.2	1683.2	1613.6	1544.0	1529.0	1514.1	1511.6	1509.1	1501.7	1491.7	1489.3
7.5°	1402.2	1320.2	1377.4	1432.1	1422.1	1409.7	1402.2	1392.3	1374.9	1357.5	1270.5
10°	1079.0	1051.7	1051.7	1049.2	1029.3	1009.4	1054.2	1098.9	1148.6	1198.4	1193.4
12.5°	919.9	957.2	860.2	760.8	815.5	867.7	917.4	964.7	989.5	1014.4	937.3
15°	867.7	753.3	721.0	688.7	713.5	738.4	666.3	591.7	648.9	706.1	718.5
17.5°	778.2	718.5	686.2	651.4	556.9	460.0	492.3	524.6	522.1	519.6	507.2
20°	726.0	651.4	594.2	534.5	489.8	445.0	397.8	348.1	325.7	300.8	360.5
22.5°	691.2	651.4	532.1	412.7	377.9	343.1	305.8	266.0	280.9	293.4	303.3
25°	604.2	484.8	417.7	350.6	295.9	238.7	241.2	243.7	231.2	218.8	276.0
27.5°	611.6	462.4	358.0	253.6	233.7	211.3	198.9	184.0	203.9	221.3	226.2
30°	641.4	400.3	303.3	206.4	184.0	161.6	169.1	174.0	174.0	174.0	198.9
32.5°	569.3	348.1	258.6	166.6	154.1	139.2	141.7	141.7	154.1	166.6	179.0
35°	482.3	273.5	211.3	146.7	134.3	121.8	126.8	131.8	144.2	156.6	174.0
37.5°	415.2	216.3	174.0	131.8	124.3	116.9	119.3	121.8	134.3	144.2	159.1
40°	350.6	181.5	154.1	126.8	119.3	111.9	114.4	114.4	124.3	134.3	144.2
42.5°	303.3	166.6	146.7	124.3	116.9	106.9	109.4	109.4	116.9	124.3	131.8
45°	261.1	159.1	141.7	121.8	114.4	104.4	104.4	101.9	109.4	114.4	119.3
47.5°	233.7	156.6	139.2	121.8	111.9	99.4	97.0	94.5	101.9	106.9	114.4
50°	218.8	156.6	139.2	119.3	106.9	94.5	92.0	89.5	99.4	106.9	119.3
52.5°	213.8	159.1	139.2	119.3	104.4	89.5	89.5	89.5	106.9	124.3	129.3
55°	213.8	164.1	141.7	116.9	101.9	87.0	92.0	97.0	101.9	106.9	106.9
57.5°	218.8	161.6	136.7	111.9	101.9	89.5	87.0	84.5	87.0	89.5	89.5
60°	241.2	156.6	131.8	106.9	94.5	82.0	79.6	77.1	82.0	84.5	84.5
62.5°	290.9	154.1	131.8	106.9	92.0	77.1	77.1	74.6	77.1	79.6	82.0
65°	355.5	171.6	139.2	106.9	92.0	77.1	72.1	67.1	72.1	74.6	74.6
67.5°	370.4	201.4	161.6	119.3	97.0	74.6	69.6	64.6	69.6	72.1	72.1
70°	335.6	221.3	174.0	126.8	101.9	74.6	69.6	62.2	64.6	67.1	64.6
72.5°	288.4	216.3	171.6	124.3	99.4	72.1	67.1	59.7	62.2	62.2	59.7
75°	246.1	186.5	146.7	104.4	84.5	62.2	57.2	52.2	54.7	54.7	54.7
77.5°	206.4	154.1	119.3	82.0	67.1	49.7	47.2	44.8	47.2	49.7	47.2
80°	161.6	116.9	89.5	59.7	49.7	37.3	39.8	39.8	42.3	42.3	42.3
82.5°	94.5	69.6	57.2	42.3	34.8	27.3	29.8	32.3	34.8	34.8	34.8
85°	57.2	44.8	37.3	29.8	24.9	17.4	22.4	24.9	24.9	24.9	22.4
87.5°	9.9	9.9	9.9	9.9	7.5	5.0	9.9	12.4	12.4	12.4	9.9
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):

	165°	170°	175°	180°
0°	1936.8	1936.8	1936.8	1936.8
2.5°	1618.5	1618.5	1616.1	1616.1
5°	1486.8	1481.8	1476.8	1481.8
7.5°	1183.4	1148.6	1113.8	1123.8
10°	1185.9	1183.4	1181.0	1178.5
12.5°	857.8	830.4	803.1	785.6
15°	728.5	721.0	711.1	711.1
17.5°	492.3	469.9	447.5	432.6
20°	420.2	432.6	442.5	447.5
22.5°	313.3	323.2	333.2	338.1
25°	330.7	355.5	377.9	380.4
27.5°	228.7	241.2	251.1	246.1
30°	223.8	231.2	238.7	238.7
32.5°	191.4	211.3	231.2	233.7
35°	191.4	201.4	211.3	213.8
37.5°	171.6	179.0	184.0	186.5
40°	154.1	159.1	161.6	161.6
42.5°	136.7	149.2	159.1	159.1
45°	121.8	154.1	186.5	196.4
47.5°	119.3	166.6	213.8	223.8
50°	129.3	174.0	216.3	221.3
52.5°	131.8	156.6	179.0	179.0
55°	104.4	116.9	126.8	124.3
57.5°	89.5	99.4	106.9	106.9
60°	84.5	97.0	106.9	109.4
62.5°	82.0	87.0	92.0	97.0
65°	74.6	74.6	74.6	74.6
67.5°	69.6	69.6	67.1	67.1
70°	62.2	62.2	62.2	62.2
72.5°	57.2	57.2	57.2	54.7
75°	52.2	52.2	49.7	49.7
77.5°	44.8	44.8	44.8	44.8
80°	39.8	39.8	37.3	37.3
82.5°	32.3	32.3	29.8	27.3
85°	19.9	19.9	17.4	14.9
87.5°	7.5	7.5	5.0	2.5
90°	0.0	0.0	0.0	0.0



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