

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: P561236

Luminaire Tested: **SDL-PA1-90-730-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561236
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-PA1-90-730-U-SL3-HSS
Description: Springdale
(1) 70 CRI, 3000K, 1180mA 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: 7775.7 lumens
Efficiency: N/A
Efficacy: 84.2 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 - G3

Input Watts (W): 92.4
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

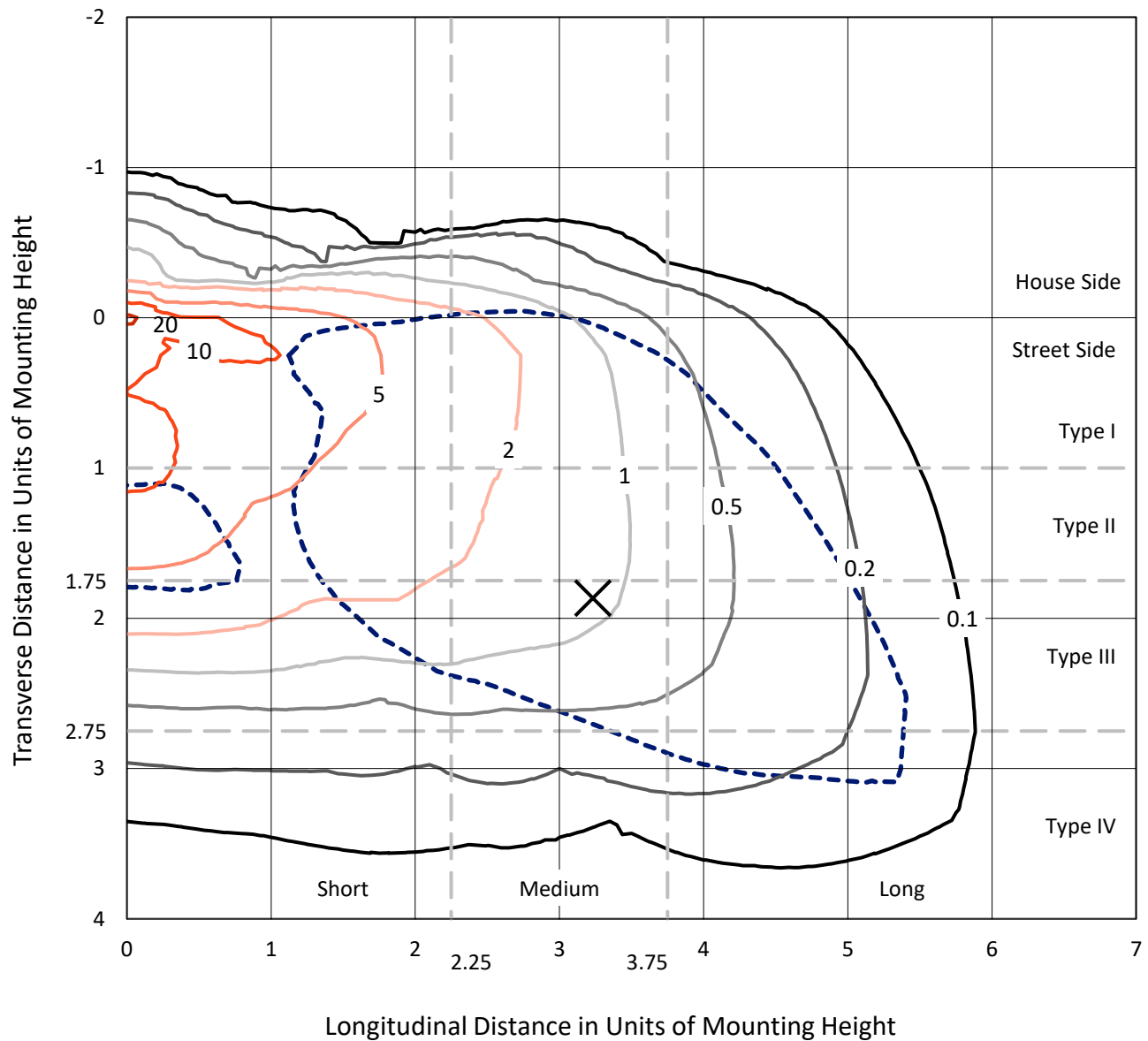


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd



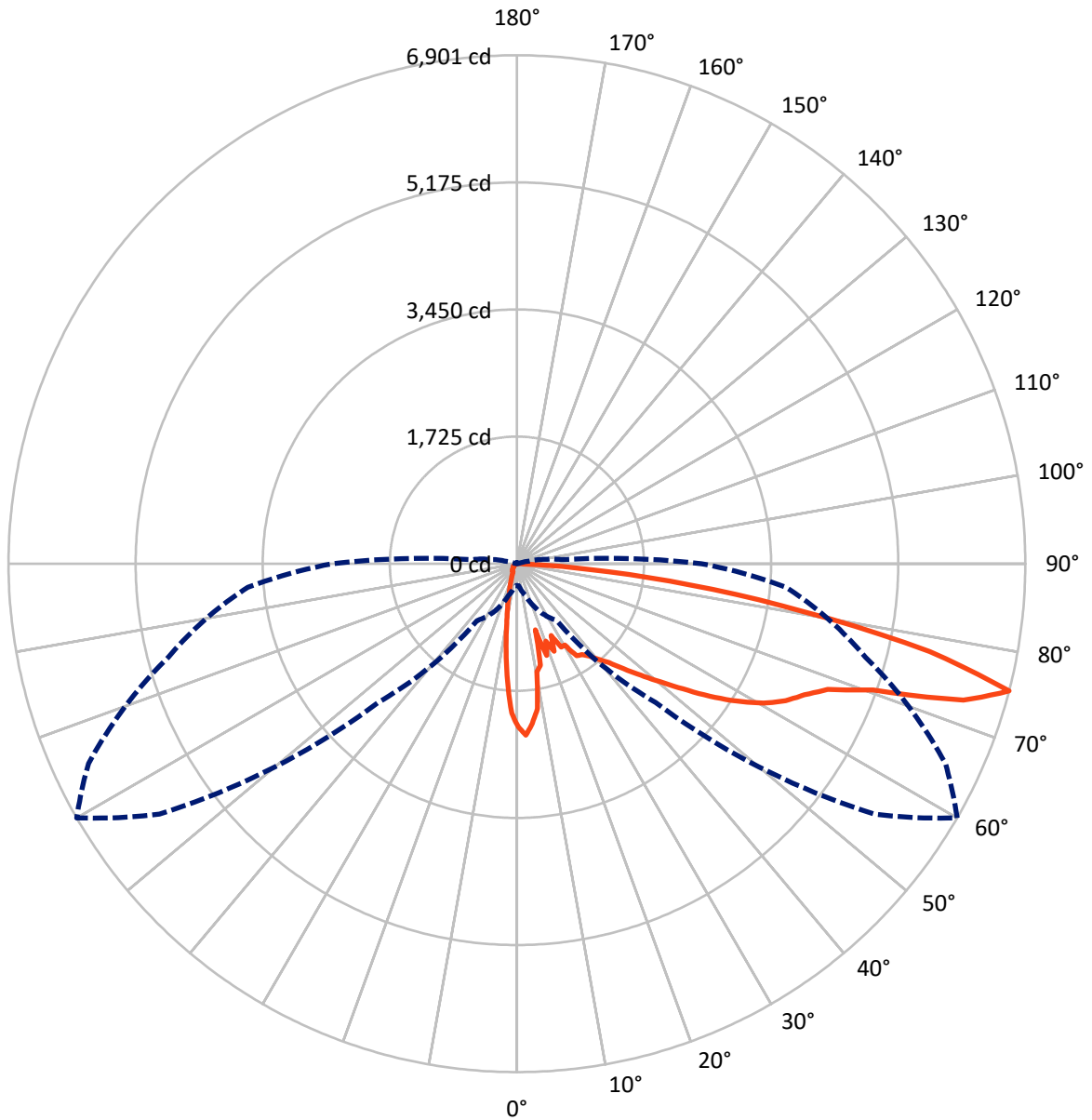
Based on 10 foot mounting height. Maximum calculated value = 22.2 fc

Type IV - 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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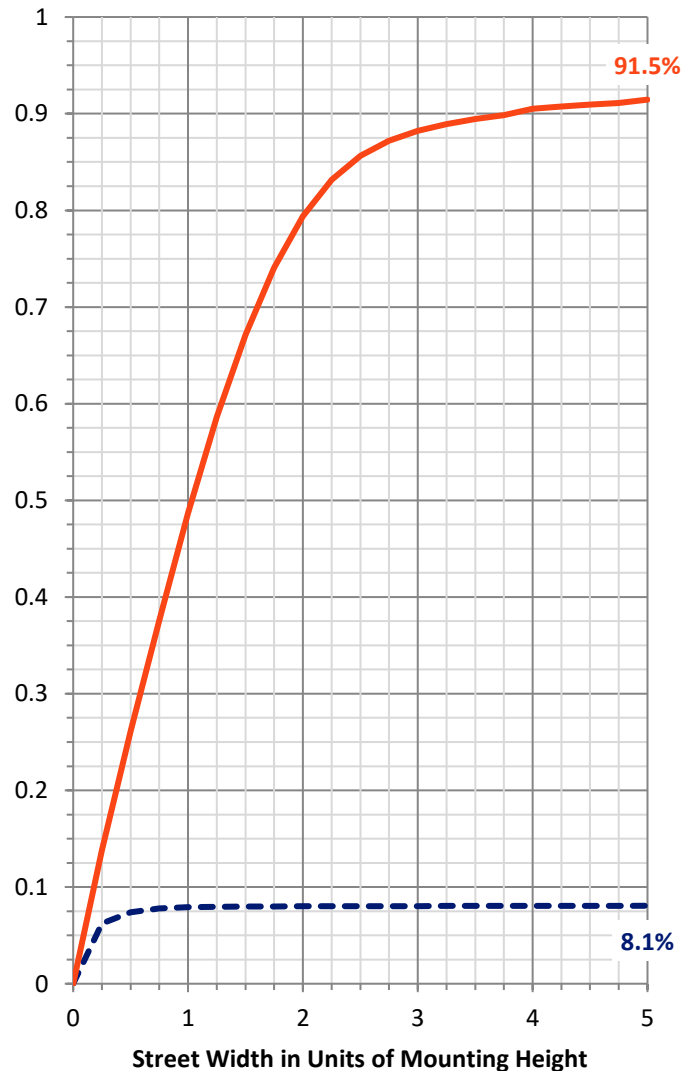
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	633.5	0.0	633.5
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	7142.2	0.0	7142.2
	% Fixture	91.9	0.0	91.9
Total	Lumens	7775.7	0.0	7775.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.3	2.0
10°-20°	254.4	3.3
20°-30°	364.5	4.7
30°-40°	649.0	8.3
40°-50°	1068.2	13.7
50°-60°	1647.1	21.2
60°-70°	1919.5	24.7
70°-80°	1487.5	19.1
80°-90°	232.3	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°	7775.7	100.0
0°-180°	7775.7	100.0



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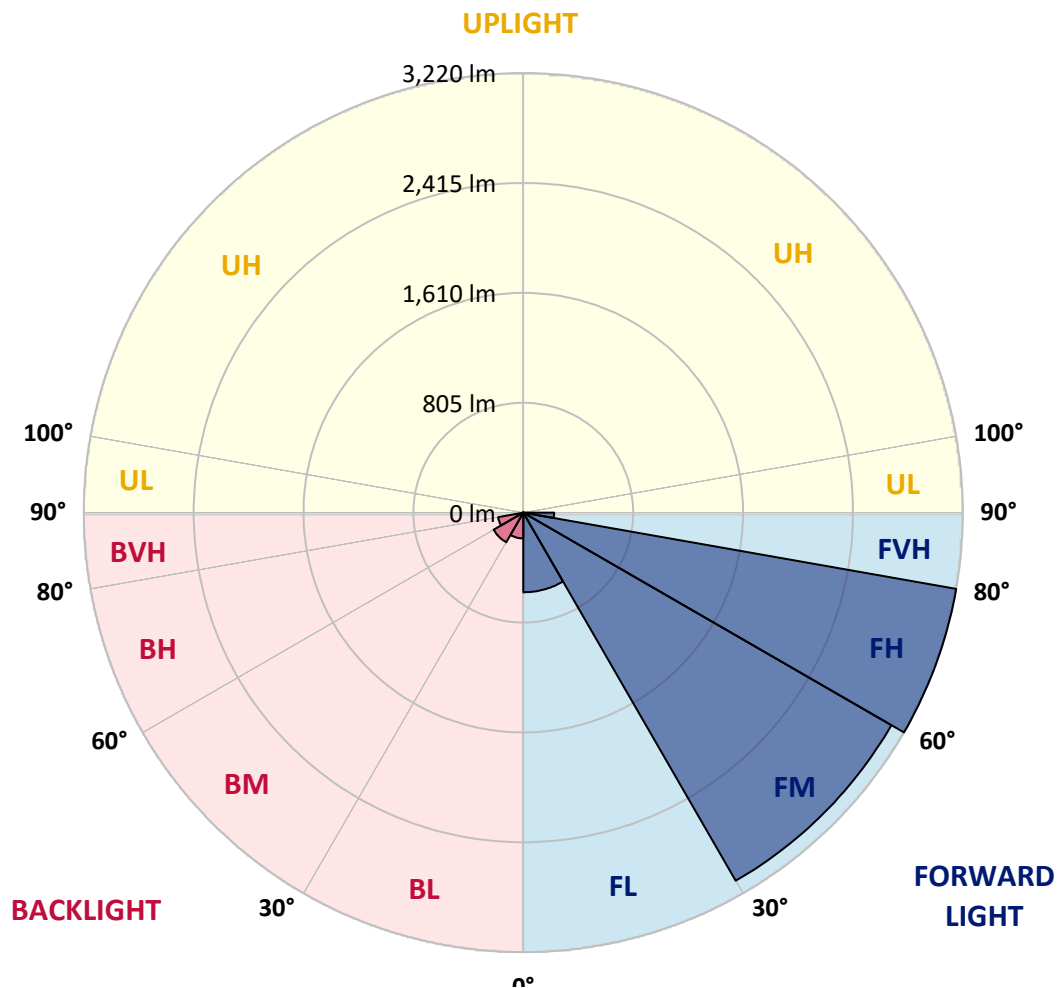
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	583.3	7.5			
FM	(30°-60°)	3113.4	40.0			
FH	(60°-80°)	3219.7	41.4			G2/5000
FVH	(80°-90°)	225.8	2.9			G3/500
BL	(0°-30°)	188.8	2.4	B1/500		
BM	(30°-60°)	250.8	3.2	B1/1000		
BH	(60°-80°)	187.4	2.4	B1/500		G1/500
BVH	(80°-90°)	6.4	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-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8
2.5°	2070.5	2148.2	2195.5	2239.4	2296.8	2354.2	2357.6	2361.0	2361.0	2361.0	2357.6
5°	1999.6	2006.3	2006.3	2006.3	2016.5	2026.6	2033.4	2036.7	2040.1	2040.1	2036.7
7.5°	1563.9	1688.8	1766.5	1840.8	1861.1	1881.4	1908.4	1932.0	1952.3	1969.2	1982.7
10°	1732.7	1746.3	1746.3	1742.9	1759.8	1773.3	1641.5	1506.4	1560.5	1614.5	1547.0
12.5°	1337.6	1405.1	1489.6	1570.6	1624.7	1678.7	1617.9	1557.1	1462.5	1364.6	1357.8
15°	1563.9	1574.0	1577.4	1580.8	1489.6	1395.0	1283.5	1168.7	1246.4	1324.0	1212.6
17.5°	1202.5	1212.6	1307.2	1401.7	1411.9	1422.0	1351.1	1276.8	1114.6	952.5	1104.5
20°	1438.9	1445.6	1445.6	1445.6	1266.6	1087.6	1101.1	1111.3	1161.9	1212.6	1175.4
22.5°	1158.5	1145.0	1151.8	1155.2	1209.2	1259.9	1155.2	1047.1	1124.8	1199.1	1134.9
25°	1449.0	1452.4	1432.1	1408.5	1249.7	1087.6	1145.0	1199.1	1107.9	1013.3	1104.5
27.5°	1310.5	1297.0	1249.7	1202.5	1226.1	1249.7	1141.7	1030.2	1118.0	1202.5	1161.9
30°	1726.0	1719.2	1658.4	1594.3	1405.1	1212.6	1192.3	1168.7	1118.0	1064.0	1134.9
32.5°	2303.6	2222.5	1996.2	1766.5	1648.3	1526.7	1378.1	1229.5	1246.4	1259.9	1270.0
35°	2431.9	2394.8	2296.8	2198.9	2016.5	1830.7	1628.0	1422.0	1374.7	1327.4	1354.4
37.5°	2465.7	2452.2	2438.7	2421.8	2205.6	1989.4	1786.8	1580.8	1543.6	1503.1	1472.7
40°	2499.5	2513.0	2553.5	2590.7	2388.0	2185.4	1996.2	1803.7	1759.8	1715.9	1638.2
42.5°	2634.6	2644.7	2705.5	2766.3	2570.4	2371.1	2205.6	2040.1	1975.9	1911.8	1840.8
45°	2921.7	2931.8	2965.6	2999.4	2817.0	2631.2	2448.8	2263.0	2212.4	2158.3	2077.3
47.5°	3320.3	3330.4	3313.5	3296.6	3087.2	2874.4	2658.2	2442.1	2425.2	2408.3	2323.8
50°	3776.2	3762.7	3671.5	3580.3	3350.7	3121.0	2867.6	2610.9	2624.5	2638.0	2577.2
52.5°	3985.7	3978.9	3874.2	3769.5	3533.0	3293.2	3029.8	2762.9	2810.2	2854.1	2820.4
55°	3972.1	3968.8	3897.8	3826.9	3604.0	3381.0	3134.5	2887.9	2996.0	3100.7	3080.4
57.5°	3823.5	3830.3	3820.1	3810.0	3614.1	3418.2	3218.9	3019.6	3181.8	3340.5	3367.5
60°	3590.5	3590.5	3641.1	3688.4	3573.6	3455.4	3289.9	3121.0	3343.9	3566.8	3634.4
62.5°	3104.1	3158.1	3266.2	3374.3	3411.4	3448.6	3313.5	3178.4	3485.8	3793.1	3891.1
65°	2391.4	2415.0	2610.9	2806.8	2989.2	3168.3	3178.4	3188.5	3658.0	4124.1	4157.9
67.5°	1388.2	1486.2	1702.3	1915.1	2273.2	2627.8	2810.2	2992.6	3732.3	4468.7	4505.8
70°	729.6	770.1	874.8	976.1	1297.0	1614.5	2067.1	2516.4	3560.1	4600.4	4924.6
72.5°	499.9	537.0	594.5	651.9	773.5	891.7	1216.0	1536.8	2833.9	4130.9	5137.4
75°	293.9	304.0	374.9	445.9	577.6	709.3	827.5	942.4	1803.7	2661.6	4293.0
77.5°	118.2	128.4	158.8	189.1	374.9	557.3	678.9	800.5	1006.5	1212.6	2948.7
80°	64.2	64.2	77.7	87.8	168.9	246.6	456.0	665.4	766.7	868.1	1911.8
82.5°	37.2	37.2	47.3	54.0	84.4	114.8	260.1	405.3	597.8	787.0	1290.3
85°	13.5	13.5	16.9	20.3	40.5	57.4	94.6	128.4	371.5	611.4	743.1
87.5°	3.4	3.4	6.8	6.8	10.1	13.5	16.9	16.9	13.5	10.1	67.6
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°	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8
2.5°	2350.9	2330.6	2317.1	2293.4	2269.8	2249.5	2225.9	2195.5	2171.8	2141.4	2111.0
5°	2033.4	2175.2	2320.5	2307.0	2290.1	2242.8	2195.5	2141.4	2090.8	2030.0	1969.2
7.5°	1992.8	1989.4	1851.0	1921.9	1989.4	1935.4	1881.4	1820.6	1753.0	1634.8	1516.6
10°	1479.4	1489.6	1486.2	1503.1	1520.0	1563.9	1604.4	1516.6	1432.1	1246.4	1057.2
12.5°	1351.1	1415.2	1432.1	1317.3	1202.5	1249.7	1297.0	1209.2	1124.8	952.5	780.2
15°	1097.7	932.2	1168.7	1324.0	1476.0	1499.7	1520.0	1405.1	1270.0	1033.6	793.8
17.5°	1253.1	1310.5	1243.0	1246.4	1246.4	1249.7	1253.1	1148.4	1013.3	834.3	655.3
20°	1138.3	1121.4	1128.1	1239.6	1351.1	1425.4	1496.3	1337.6	1165.3	888.3	608.0
22.5°	1070.7	1290.3	1384.8	1337.6	1290.3	1172.1	1050.5	928.9	787.0	648.5	506.7
25°	1192.3	1077.5	1151.8	1334.2	1516.6	1516.6	1516.6	1307.2	1074.1	776.9	479.6
27.5°	1121.4	1280.1	1354.4	1499.7	1641.5	1702.3	1759.8	1492.9	1185.6	817.4	445.9
30°	1205.8	1280.1	1543.6	1834.1	2124.6	2073.9	2019.8	1678.7	1290.3	857.9	425.6
32.5°	1280.1	1489.6	1722.6	1942.2	2161.7	2104.3	2043.5	1665.2	1229.5	773.5	317.5
35°	1381.5	1516.6	1732.7	1999.6	2266.4	2178.6	2087.4	1671.9	1182.2	709.3	236.4
37.5°	1442.3	1590.9	1823.9	2104.3	2381.3	2273.2	2165.1	1702.3	1141.7	662.0	182.4
40°	1557.1	1705.7	1938.8	2232.6	2526.5	2401.5	2273.2	1756.4	1118.0	635.0	152.0
42.5°	1769.9	1837.5	2097.5	2408.3	2719.0	2587.3	2452.2	1871.2	1111.3	621.5	131.7
45°	1992.8	2036.7	2266.4	2614.3	2958.8	2823.7	2685.2	2013.1	1134.9	631.6	125.0
47.5°	2236.0	2259.7	2469.1	2901.4	3333.8	3148.0	2962.2	2209.0	1185.6	651.9	118.2
50°	2516.4	2516.4	2719.0	3185.1	3651.3	3458.7	3266.2	2438.7	1249.7	682.3	114.8
52.5°	2783.2	2820.4	2975.7	3452.0	3928.2	3749.2	3566.8	2692.0	1334.2	722.8	108.1
55°	3056.8	3175.0	3232.4	3718.8	4205.2	3999.2	3793.1	2877.8	1384.8	743.1	101.3
57.5°	3394.6	3519.5	3549.9	3962.0	4374.1	4174.8	3972.1	3036.5	1422.0	760.0	98.0
60°	3701.9	3843.8	3904.6	4208.6	4509.2	4303.2	4097.1	3175.0	1455.8	773.5	87.8
62.5°	3985.7	4093.7	4188.3	4384.2	4580.1	4387.6	4191.7	3296.6	1476.0	776.9	77.7
65°	4191.7	4289.6	4424.8	4536.2	4647.7	4502.4	4357.2	3506.0	1533.5	797.1	57.4
67.5°	4539.6	4549.7	4627.4	4718.6	4809.8	4732.1	4654.4	3796.5	1601.0	824.2	43.9
70°	5245.5	5130.7	5029.4	5120.6	5208.4	5100.3	4992.2	3880.9	1445.6	739.7	33.8
72.5°	6144.0	6336.5	5846.8	5657.6	5465.1	5066.5	4664.6	3340.5	1026.8	526.9	27.0
75°	5924.4	6900.6	6417.6	5657.6	4897.6	4282.9	3664.8	2506.2	631.6	327.6	20.3
77.5°	4681.5	5728.5	5556.3	4772.7	3985.7	3229.1	2472.5	1540.2	222.9	121.6	20.3
80°	2955.5	3962.0	3813.4	3100.7	2384.6	1695.6	1006.5	469.5	84.4	54.0	23.6
82.5°	1793.5	2361.0	1854.3	1161.9	469.5	331.0	192.5	101.3	27.0	23.6	20.3
85°	871.4	976.1	638.4	368.2	94.6	87.8	77.7	50.7	13.5	13.5	10.1
87.5°	121.6	87.8	54.0	37.2	16.9	16.9	16.9	10.1	10.1	10.1	6.8
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8	2215.8
2.5°	2087.4	2060.4	2030.0	1999.6	1965.8	1932.0	1834.1	1732.7	1678.7	1621.3	1607.8
5°	1857.7	1746.3	1607.8	1465.9	1405.1	1344.3	1313.9	1280.1	1259.9	1236.2	1216.0
7.5°	1361.2	1202.5	1202.5	1199.1	1148.4	1097.7	1040.3	979.5	942.4	905.2	807.3
10°	972.8	885.0	824.2	763.4	739.7	716.1	641.8	564.1	570.8	574.2	553.9
12.5°	753.2	722.8	611.4	499.9	462.7	425.6	401.9	378.3	344.5	310.7	287.1
15°	645.1	496.5	412.1	327.6	290.5	249.9	216.2	179.0	168.9	155.4	172.3
17.5°	530.3	401.9	320.9	239.8	185.8	131.7	138.5	145.2	158.8	172.3	179.0
20°	456.0	304.0	233.1	162.1	145.2	128.4	135.1	138.5	135.1	128.4	148.6
22.5°	371.5	236.4	179.0	118.2	121.6	125.0	114.8	104.7	125.0	145.2	145.2
25°	317.5	155.4	138.5	121.6	111.5	101.3	114.8	125.0	118.2	111.5	128.4
27.5°	290.5	135.1	118.2	101.3	104.7	108.1	104.7	98.0	108.1	118.2	114.8
30°	277.0	125.0	114.8	101.3	98.0	91.2	94.6	94.6	91.2	87.8	98.0
32.5°	222.9	128.4	111.5	91.2	87.8	81.1	77.7	74.3	77.7	81.1	84.4
35°	179.0	118.2	104.7	87.8	81.1	74.3	70.9	64.2	64.2	64.2	67.6
37.5°	145.2	108.1	94.6	77.7	70.9	64.2	60.8	54.0	54.0	54.0	54.0
40°	128.4	101.3	87.8	70.9	64.2	54.0	50.7	43.9	43.9	40.5	40.5
42.5°	111.5	91.2	77.7	60.8	54.0	47.3	40.5	33.8	33.8	30.4	30.4
45°	104.7	84.4	70.9	57.4	47.3	37.2	33.8	27.0	27.0	23.6	23.6
47.5°	101.3	81.1	67.6	50.7	40.5	30.4	27.0	20.3	20.3	20.3	20.3
50°	94.6	74.3	60.8	43.9	37.2	27.0	23.6	16.9	16.9	16.9	16.9
52.5°	91.2	70.9	54.0	37.2	30.4	20.3	16.9	13.5	13.5	13.5	13.5
55°	87.8	74.3	54.0	33.8	27.0	16.9	13.5	10.1	10.1	10.1	10.1
57.5°	84.4	70.9	50.7	27.0	20.3	13.5	10.1	6.8	6.8	6.8	6.8
60°	74.3	60.8	40.5	20.3	16.9	10.1	6.8	3.4	6.8	6.8	6.8
62.5°	64.2	47.3	33.8	16.9	13.5	6.8	6.8	3.4	6.8	6.8	6.8
65°	47.3	37.2	27.0	13.5	10.1	3.4	3.4	3.4	6.8	6.8	6.8
67.5°	37.2	27.0	20.3	10.1	6.8	3.4	3.4	3.4	6.8	6.8	6.8
70°	27.0	20.3	13.5	6.8	6.8	3.4	3.4	3.4	6.8	6.8	6.8
72.5°	20.3	13.5	10.1	6.8	6.8	3.4	6.8	6.8	6.8	6.8	6.8
75°	16.9	13.5	10.1	6.8	6.8	3.4	6.8	6.8	10.1	10.1	10.1
77.5°	16.9	10.1	10.1	6.8	6.8	3.4	6.8	10.1	10.1	10.1	10.1
80°	16.9	10.1	10.1	6.8	6.8	3.4	6.8	10.1	10.1	10.1	10.1
82.5°	16.9	10.1	10.1	6.8	6.8	3.4	6.8	10.1	10.1	10.1	10.1
85°	10.1	10.1	10.1	10.1	6.8	3.4	10.1	13.5	13.5	10.1	10.1
87.5°	6.8	6.8	10.1	10.1	6.8	3.4	10.1	13.5	13.5	10.1	10.1
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°	2215.8	2215.8	2215.8	2215.8
2.5°	1590.9	1574.0	1553.7	1594.3
5°	1195.7	1182.2	1168.7	1192.3
7.5°	709.3	712.7	712.7	675.5
10°	530.3	499.9	466.1	466.1
12.5°	263.5	243.2	222.9	219.5
15°	189.1	192.5	195.9	195.9
17.5°	185.8	179.0	168.9	162.1
20°	165.5	172.3	175.6	175.6
22.5°	145.2	141.9	135.1	135.1
25°	145.2	148.6	152.0	152.0
27.5°	111.5	111.5	108.1	108.1
30°	108.1	108.1	108.1	108.1
32.5°	84.4	87.8	87.8	87.8
35°	70.9	70.9	70.9	70.9
37.5°	54.0	54.0	54.0	50.7
40°	40.5	40.5	40.5	40.5
42.5°	30.4	30.4	30.4	30.4
45°	23.6	23.6	23.6	23.6
47.5°	20.3	20.3	16.9	16.9
50°	13.5	13.5	13.5	13.5
52.5°	10.1	10.1	10.1	10.1
55°	6.8	6.8	6.8	6.8
57.5°	6.8	6.8	6.8	6.8
60°	3.4	3.4	3.4	3.4
62.5°	3.4	3.4	3.4	3.4
65°	3.4	3.4	3.4	3.4
67.5°	3.4	3.4	3.4	3.4
70°	3.4	3.4	3.4	3.4
72.5°	6.8	6.8	3.4	3.4
75°	6.8	6.8	3.4	3.4
77.5°	6.8	6.8	3.4	3.4
80°	6.8	6.8	3.4	3.4
82.5°	6.8	6.8	3.4	3.4
85°	6.8	6.8	6.8	3.4
87.5°	6.8	6.8	6.8	3.4
90°	0.0	0.0	0.0	0.0



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