

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: P561227

Luminaire Tested: **SDL-PA1-90-727-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-727-U-T3
Description: Springdale
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8518.2 lumens
Efficiency: N/A
Efficacy: 92.2 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: B2 - 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



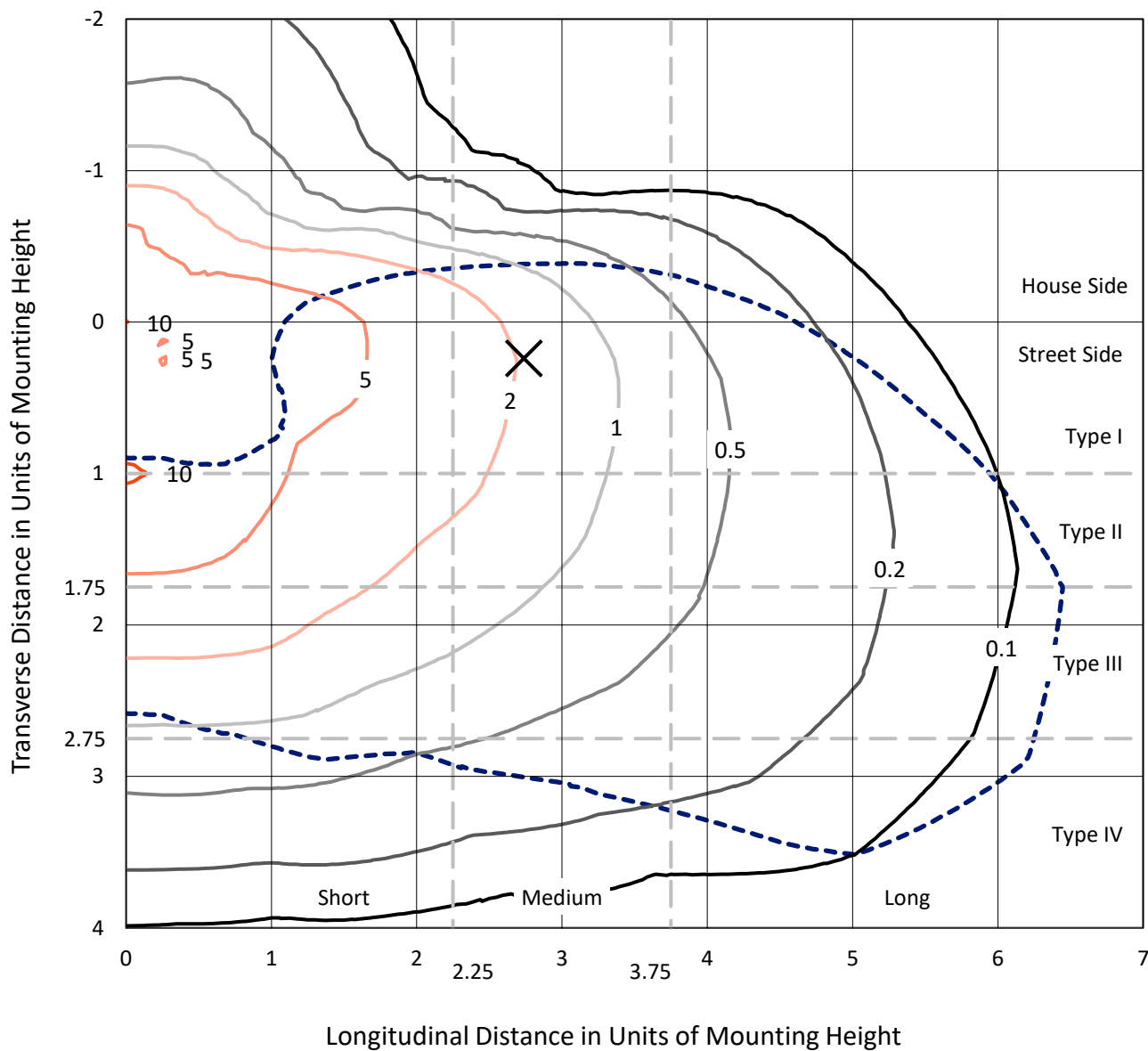
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



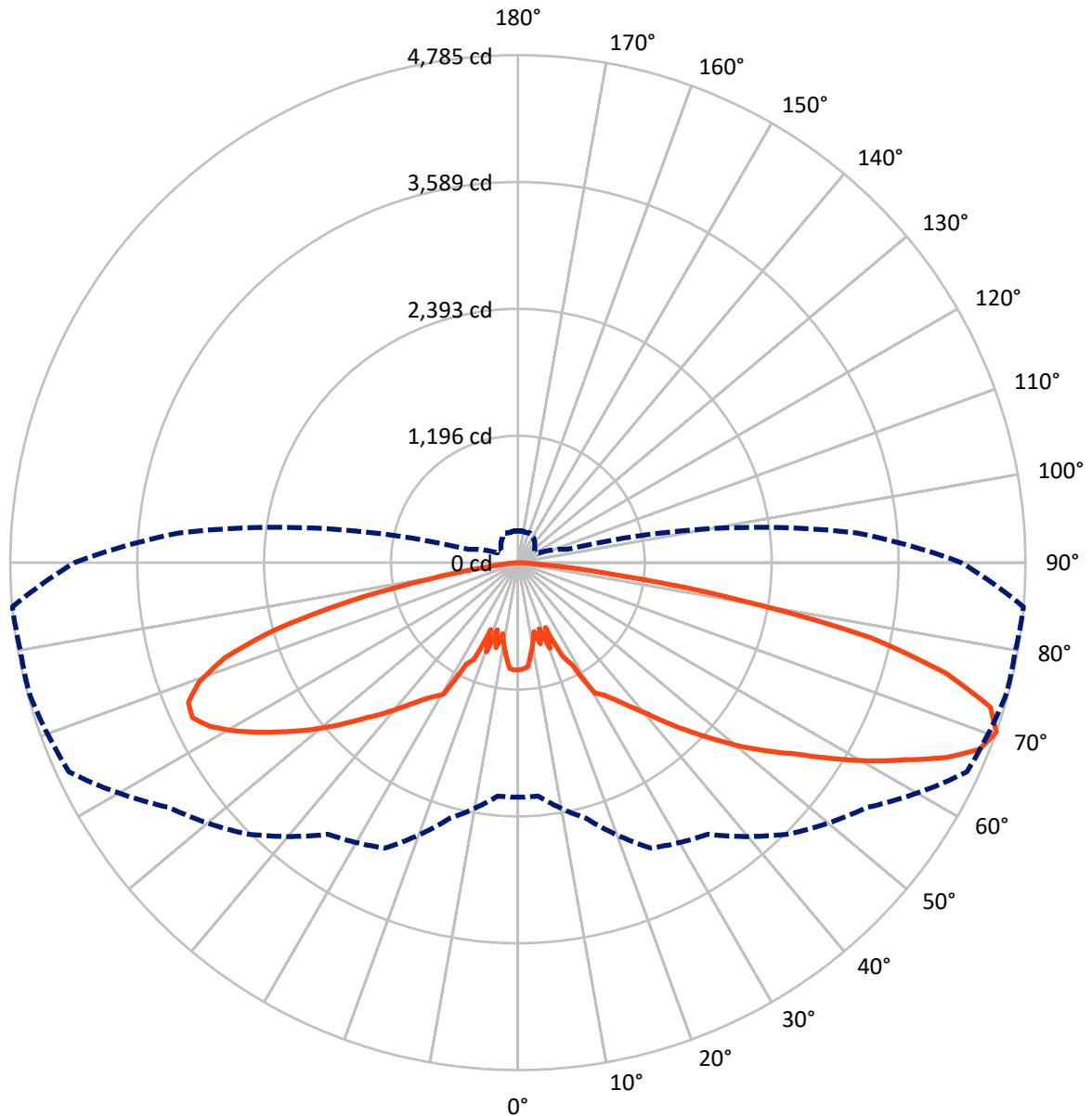
Based on 10 foot mounting height. Maximum calculated value = 10.3 fc

Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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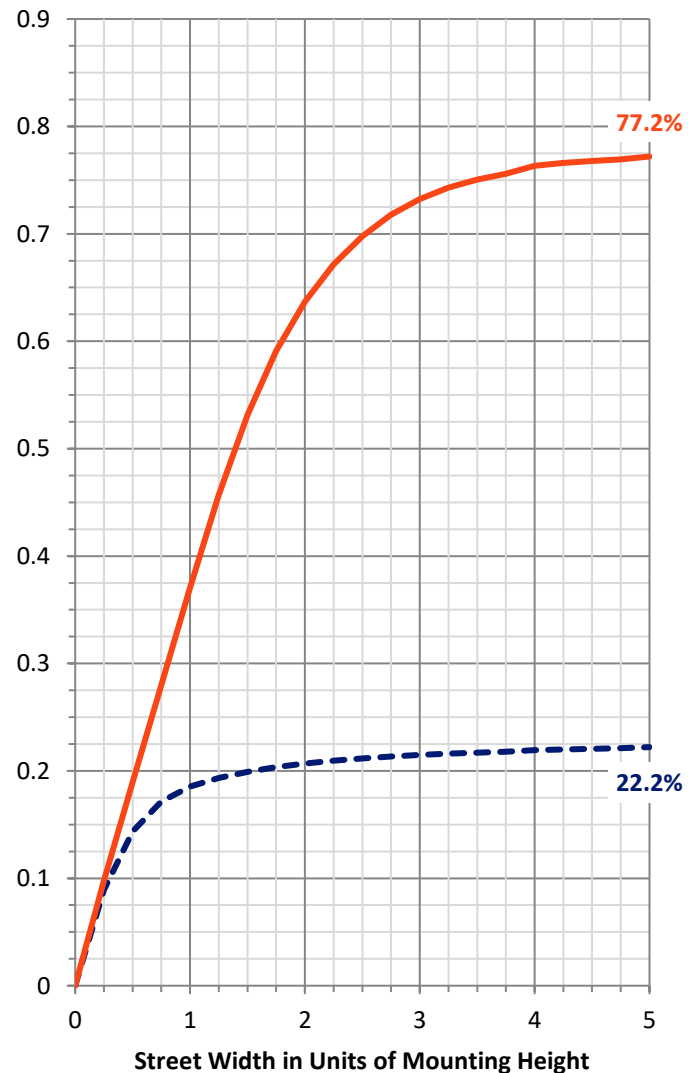
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1926.0	0.0	1926.0
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	6592.2	0.0	6592.2
	% Fixture	77.4	0.0	77.4
Total	Lumens	8518.2	0.0	8518.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	1.0
10°-20°	205.7	2.4
20°-30°	375.9	4.4
30°-40°	709.9	8.3
40°-50°	1156.4	13.6
50°-60°	1784.0	20.9
60°-70°	2186.7	25.7
70°-80°	1712.5	20.1
80°-90°	304.9	3.6
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°	8518.2	100.0
0°-180°	8518.2	100.0



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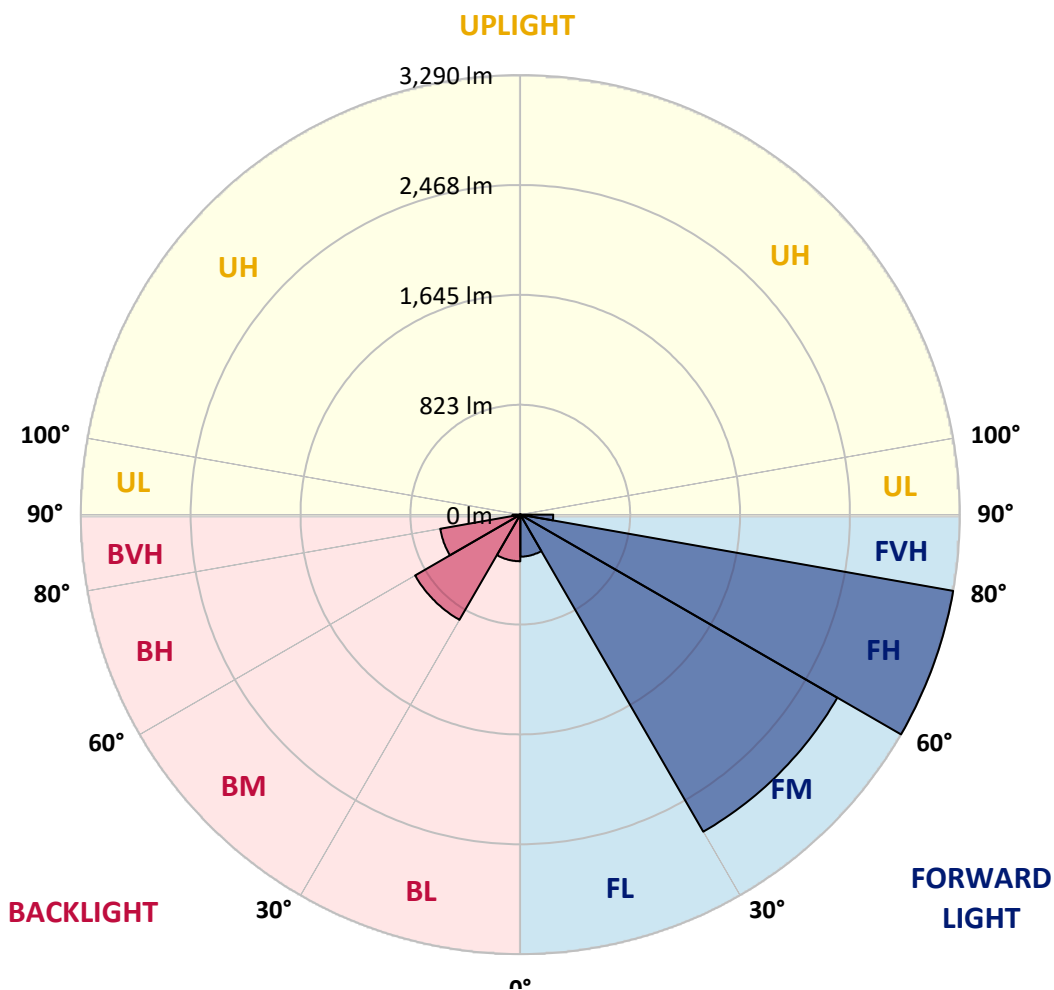
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	314.5	3.7			
FM	(30°-60°)	2740.5	32.2			
FH	(60°-80°)	3290.3	38.6			G2/5000
FVH	(80°-90°)	247.0	2.9			G3/500
BL	(0°-30°)	349.3	4.1	B1/500		
BM	(30°-60°)	909.8	10.7	B1/1000		
BH	(60°-80°)	608.9	7.1	B2/1000		G2/1000
BVH	(80°-90°)	58.0	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8
2.5°	834.4	909.1	909.1	909.1	924.7	937.1	943.3	946.5	958.9	968.3	974.5
5°	778.3	781.5	781.5	781.5	784.6	787.7	790.8	793.9	800.1	803.2	812.6
7.5°	653.8	666.3	691.2	713.0	728.5	744.1	756.5	765.9	772.1	778.3	781.5
10°	728.5	728.5	728.5	728.5	728.5	728.5	691.2	653.8	656.9	656.9	638.2
12.5°	610.2	628.9	656.9	681.8	703.6	722.3	697.4	672.5	625.8	579.1	579.1
15°	706.7	706.7	703.6	700.5	660.0	619.6	582.2	544.8	569.7	594.7	551.1
17.5°	607.1	610.2	647.6	681.8	675.6	666.3	632.0	594.7	535.5	473.2	535.5
20°	778.3	769.0	750.3	731.6	644.5	557.3	572.9	588.4	604.0	616.4	616.4
22.5°	716.1	722.3	734.8	747.2	737.9	725.4	635.1	544.8	597.8	650.7	604.0
25°	980.7	980.7	943.3	906.0	812.6	716.1	731.6	744.1	653.8	560.4	638.2
27.5°	906.0	899.8	884.2	865.5	884.2	899.8	818.8	734.8	759.7	784.6	719.2
30°	1204.9	1204.9	1189.3	1173.7	1039.9	902.9	893.5	881.1	828.2	772.1	809.5
32.5°	1444.6	1441.5	1369.9	1298.3	1223.6	1145.7	1064.8	980.7	974.5	968.3	962.0
35°	1731.0	1731.0	1690.6	1650.1	1485.1	1317.0	1220.4	1123.9	1095.9	1067.9	1089.7
37.5°	1892.9	1914.7	1899.2	1880.5	1699.9	1516.2	1382.3	1245.3	1217.3	1189.3	1198.6
40°	2117.1	2110.9	2107.7	2101.5	1892.9	1684.3	1541.1	1394.8	1376.1	1357.4	1357.4
42.5°	2456.4	2422.2	2384.8	2344.4	2132.7	1920.9	1762.2	1600.3	1566.0	1528.7	1531.8
45°	2923.4	2886.1	2798.9	2708.6	2493.8	2279.0	2067.3	1855.6	1796.4	1734.1	1727.9
47.5°	3209.9	3169.4	3125.8	3079.1	2848.7	2618.3	2400.4	2179.4	2092.2	2005.0	1970.8
50°	3505.6	3468.3	3434.0	3399.8	3197.4	2995.1	2777.1	2559.2	2422.2	2285.2	2226.1
52.5°	3785.8	3717.4	3683.1	3648.9	3477.6	3303.3	3076.0	2848.7	2746.0	2643.2	2515.6
55°	3922.8	3838.8	3826.3	3810.8	3683.1	3552.3	3334.4	3116.5	3001.3	2883.0	2755.3
57.5°	3729.8	3736.0	3804.5	3873.0	3801.4	3729.8	3524.3	3318.8	3203.6	3088.5	2991.9
60°	3555.5	3602.2	3686.2	3770.3	3776.5	3779.6	3670.7	3561.7	3434.0	3306.4	3231.7
62.5°	3315.7	3350.0	3480.7	3608.4	3704.9	3798.3	3686.2	3574.1	3530.6	3483.9	3437.2
65°	2991.9	3001.3	3150.7	3297.0	3471.4	3642.6	3555.5	3468.3	3543.0	3614.6	3620.8
67.5°	2596.5	2624.6	2770.9	2917.2	3128.9	3337.5	3334.4	3331.3	3490.1	3645.7	3754.7
70°	2210.5	2210.5	2353.7	2496.9	2733.5	2970.1	3048.0	3125.8	3371.8	3617.7	3820.1
72.5°	1665.6	1743.5	1818.2	1892.9	2157.6	2419.1	2590.3	2761.6	3128.9	3493.2	3801.4
75°	918.4	924.7	990.0	1055.4	1320.1	1584.7	1843.1	2101.5	2593.4	3085.3	3571.0
77.5°	302.0	292.7	330.0	364.3	519.9	672.5	890.4	1108.4	1650.1	2191.8	2973.3
80°	168.1	171.2	183.7	196.1	246.0	292.7	398.5	504.4	734.8	962.0	1889.8
82.5°	112.1	115.2	127.6	140.1	161.9	183.7	242.8	298.9	320.7	339.4	853.1
85°	71.6	74.7	80.9	87.2	93.4	96.5	137.0	177.5	161.9	146.3	255.3
87.5°	15.6	15.6	18.7	18.7	21.8	24.9	31.1	37.4	34.2	28.0	37.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8
2.5°	977.6	983.8	986.9	990.0	993.2	999.4	1002.5	1005.6	1011.8	1015.0	1015.0
5°	821.9	878.0	930.9	949.6	968.3	977.6	983.8	993.2	999.4	1005.6	1011.8
7.5°	784.6	787.7	790.8	812.6	834.4	853.1	871.7	878.0	893.5	884.2	871.7
10°	616.4	619.6	619.6	641.4	663.1	728.5	772.1	781.5	790.8	753.4	713.0
12.5°	576.0	591.5	607.1	597.8	588.4	635.1	666.3	678.7	684.9	660.0	635.1
15°	504.4	519.9	532.4	604.0	675.6	737.9	793.9	809.5	828.2	787.7	744.1
17.5°	597.8	591.5	582.2	594.7	607.1	622.7	653.8	663.1	663.1	675.6	688.1
20°	616.4	548.0	479.5	607.1	734.8	790.8	862.4	887.3	893.5	859.3	825.0
22.5°	554.2	632.0	709.8	694.3	678.7	663.1	663.1	672.5	681.8	688.1	694.3
25°	713.0	647.6	582.2	731.6	881.1	940.2	974.5	990.0	1002.5	958.9	912.2
27.5°	653.8	741.0	825.0	890.4	955.8	1021.2	1092.8	1161.3	1077.2	1036.7	996.3
30°	843.7	915.3	986.9	1142.6	1298.3	1382.3	1425.9	1425.9	1425.9	1366.8	1304.5
32.5°	955.8	1080.3	1204.9	1288.9	1369.9	1453.9	1488.2	1488.2	1488.2	1416.6	1341.9
35°	1108.4	1208.0	1307.6	1404.1	1500.6	1566.0	1590.9	1581.6	1562.9	1466.4	1369.9
37.5°	1208.0	1341.9	1475.7	1575.4	1671.9	1712.3	1721.7	1693.7	1665.6	1538.0	1407.2
40°	1357.4	1503.8	1647.0	1752.8	1858.7	1892.9	1874.2	1836.9	1787.1	1615.8	1444.6
42.5°	1531.8	1678.1	1824.4	1949.0	2070.4	2092.2	2064.2	2005.0	1917.8	1684.3	1447.7
45°	1721.7	1868.0	2011.2	2151.3	2291.4	2307.0	2269.6	2182.5	2054.8	1749.7	1444.6
47.5°	1933.4	2048.6	2163.8	2363.0	2562.3	2543.6	2487.6	2387.9	2219.8	1827.5	1432.1
50°	2166.9	2257.2	2344.4	2593.4	2842.5	2786.5	2724.2	2615.2	2394.2	1917.8	1438.4
52.5°	2384.8	2472.0	2559.2	2817.6	3072.9	3020.0	2951.5	2855.0	2571.6	2014.3	1453.9
55°	2627.7	2721.1	2814.5	3088.5	3362.4	3272.1	3185.0	3122.7	2746.0	2095.3	1444.6
57.5°	2892.3	3010.6	3128.9	3381.1	3630.2	3533.7	3483.9	3402.9	2939.0	2191.8	1444.6
60°	3156.9	3300.2	3443.4	3664.4	3885.5	3807.6	3798.3	3686.2	3119.6	2263.4	1404.1
62.5°	3390.5	3605.3	3820.1	3994.4	4165.7	4091.0	4094.1	3963.3	3287.7	2279.0	1267.1
65°	3627.1	3904.2	4178.1	4305.8	4433.4	4380.5	4433.4	4199.9	3399.8	2216.7	1033.6
67.5°	3860.6	4165.7	4470.8	4567.3	4663.8	4632.7	4694.9	4277.8	3374.9	2054.8	731.6
70°	4022.5	4346.3	4670.0	4719.9	4769.7	4763.4	4785.2	4181.2	3206.8	1846.2	482.6
72.5°	4109.6	4414.7	4716.7	4738.5	4757.2	4747.9	4657.6	3879.2	2904.8	1618.9	333.1
75°	4053.6	4349.4	4645.1	4601.5	4558.0	4470.8	4168.8	3340.6	2381.7	1313.8	246.0
77.5°	3754.7	4075.4	4396.1	4284.0	4168.8	3913.5	3406.0	2503.1	1656.3	924.7	189.9
80°	2817.6	3213.0	3608.4	3474.5	3337.5	2798.9	2073.5	1401.0	856.2	501.3	146.3
82.5°	1363.7	1584.7	1805.7	1771.5	1737.3	1285.8	896.6	504.4	246.0	180.6	115.2
85°	361.1	535.5	709.8	678.7	647.6	342.5	149.4	130.8	96.5	90.3	80.9
87.5°	43.6	49.8	52.9	37.4	18.7	15.6	15.6	9.3	9.3	12.5	12.5
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°	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8	1011.8
2.5°	1021.2	1024.3	1024.3	1024.3	1024.3	1024.3	999.4	974.5	968.3	962.0	949.6
5°	983.8	952.7	930.9	909.1	909.1	906.0	915.3	924.7	930.9	934.0	937.1
7.5°	874.9	878.0	896.6	912.2	927.8	940.2	949.6	955.8	949.6	940.2	902.9
10°	716.1	719.2	734.8	747.2	769.0	787.7	840.6	890.4	949.6	1008.7	1024.3
12.5°	681.8	725.4	700.5	675.6	744.1	809.5	878.0	943.3	990.0	1033.6	1002.5
15°	694.3	644.5	653.8	663.1	747.2	831.3	781.5	728.5	853.1	977.6	1005.6
17.5°	691.2	691.2	737.9	784.6	706.7	625.8	741.0	853.1	902.9	949.6	912.2
20°	737.9	647.6	681.8	713.0	775.2	834.4	784.6	734.8	753.4	772.1	893.5
22.5°	769.0	840.6	762.8	681.8	737.9	793.9	784.6	775.2	831.3	887.3	856.2
25°	803.2	691.2	747.2	800.1	737.9	672.5	722.3	769.0	753.4	737.9	834.4
27.5°	921.6	843.7	772.1	700.5	737.9	772.1	734.8	694.3	709.8	725.4	719.2
30°	1114.6	921.6	831.3	741.0	694.3	644.5	647.6	650.7	669.4	688.1	741.0
32.5°	1164.4	986.9	856.2	725.4	694.3	663.1	635.1	604.0	632.0	660.0	722.3
35°	1176.9	980.7	840.6	700.5	650.7	600.9	582.2	563.5	610.2	656.9	713.0
37.5°	1170.6	930.9	781.5	632.0	594.7	557.3	548.0	535.5	566.6	594.7	635.1
40°	1155.1	865.5	716.1	566.6	535.5	504.4	498.1	491.9	513.7	535.5	560.4
42.5°	1127.0	803.2	653.8	504.4	482.6	460.8	454.6	445.2	463.9	482.6	491.9
45°	1092.8	741.0	600.9	457.7	442.1	423.4	414.1	401.6	420.3	435.9	439.0
47.5°	1058.5	681.8	554.2	423.4	411.0	395.4	386.1	373.6	389.2	401.6	404.7
50°	1030.5	619.6	504.4	389.2	376.7	364.3	354.9	345.6	361.1	373.6	373.6
52.5°	1015.0	572.9	460.8	348.7	342.5	336.2	333.1	326.9	339.4	351.8	354.9
55°	977.6	507.5	411.0	311.3	314.4	314.4	311.3	305.1	330.0	351.8	361.1
57.5°	937.1	429.6	358.0	283.3	289.5	295.8	298.9	302.0	330.0	354.9	367.4
60°	884.2	364.3	311.3	258.4	267.7	274.0	289.5	302.0	326.9	351.8	358.0
62.5°	790.8	311.3	274.0	236.6	249.1	261.5	280.2	298.9	317.6	336.2	336.2
65°	653.8	270.9	246.0	217.9	236.6	252.2	274.0	295.8	311.3	323.8	320.7
67.5°	488.8	242.8	224.2	202.4	224.2	242.8	261.5	280.2	298.9	317.6	311.3
70°	351.8	217.9	205.5	189.9	208.6	227.3	246.0	264.6	283.3	302.0	298.9
72.5°	267.7	199.3	186.8	174.3	193.0	208.6	230.4	252.2	270.9	289.5	283.3
75°	214.8	180.6	171.2	158.8	177.5	196.1	217.9	236.6	255.3	274.0	267.7
77.5°	177.5	161.9	152.6	143.2	158.8	174.3	196.1	217.9	236.6	252.2	246.0
80°	143.2	137.0	130.8	121.4	140.1	155.7	177.5	196.1	211.7	227.3	217.9
82.5°	112.1	109.0	105.9	99.6	115.2	130.8	152.6	174.3	186.8	199.3	193.0
85°	84.1	84.1	80.9	77.8	90.3	99.6	112.1	121.4	133.9	143.2	137.0
87.5°	12.5	12.5	18.7	21.8	21.8	21.8	31.1	40.5	40.5	37.4	31.1
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°	1011.8	1011.8	1011.8	1011.8
2.5°	937.1	937.1	937.1	940.2
5°	940.2	943.3	943.3	949.6
7.5°	862.4	859.3	856.2	856.2
10°	1036.7	1043.0	1046.1	1052.3
12.5°	968.3	930.9	893.5	893.5
15°	1033.6	1039.9	1043.0	1049.2
17.5°	874.9	871.7	868.6	862.4
20°	1011.8	1018.1	1021.2	1021.2
22.5°	825.0	825.0	821.9	821.9
25°	930.9	930.9	930.9	937.1
27.5°	709.8	731.6	753.4	781.5
30°	793.9	797.0	800.1	800.1
32.5°	784.6	825.0	865.5	871.7
35°	769.0	769.0	765.9	769.0
37.5°	675.6	666.3	653.8	660.0
40°	582.2	560.4	538.6	535.5
42.5°	501.3	482.6	460.8	460.8
45°	442.1	429.6	414.1	407.9
47.5°	404.7	392.3	379.8	376.7
50°	370.5	358.0	345.6	345.6
52.5°	358.0	348.7	336.2	333.1
55°	370.5	351.8	333.1	326.9
57.5°	376.7	354.9	333.1	323.8
60°	361.1	348.7	333.1	320.7
62.5°	333.1	326.9	320.7	314.4
65°	314.4	314.4	311.3	305.1
67.5°	305.1	308.2	308.2	302.0
70°	292.7	298.9	302.0	295.8
72.5°	277.1	280.2	280.2	270.9
75°	258.4	255.3	252.2	246.0
77.5°	236.6	233.5	227.3	221.0
80°	208.6	205.5	202.4	193.0
82.5°	183.7	189.9	193.0	158.8
85°	127.6	115.2	102.7	84.1
87.5°	24.9	18.7	9.3	9.3
90°	0.0	0.0	0.0	0.0

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