

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: P561248

Luminaire Tested: **SDL-PA1-90-730-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
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-T3-HSS
Description: Springdale
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6903.9 lumens
Efficiency: N/A
Efficacy: 74.7 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 - G2

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

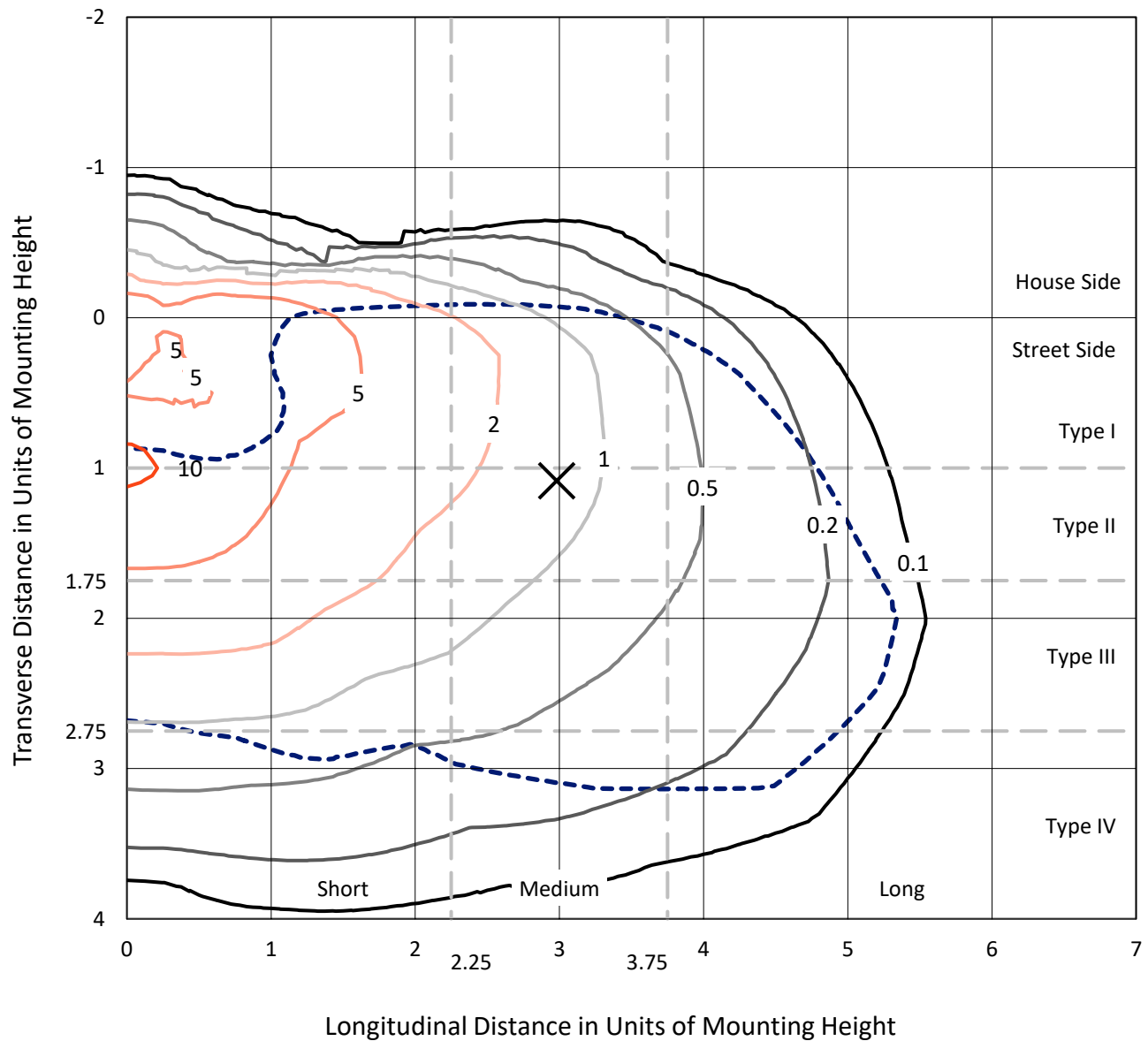


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

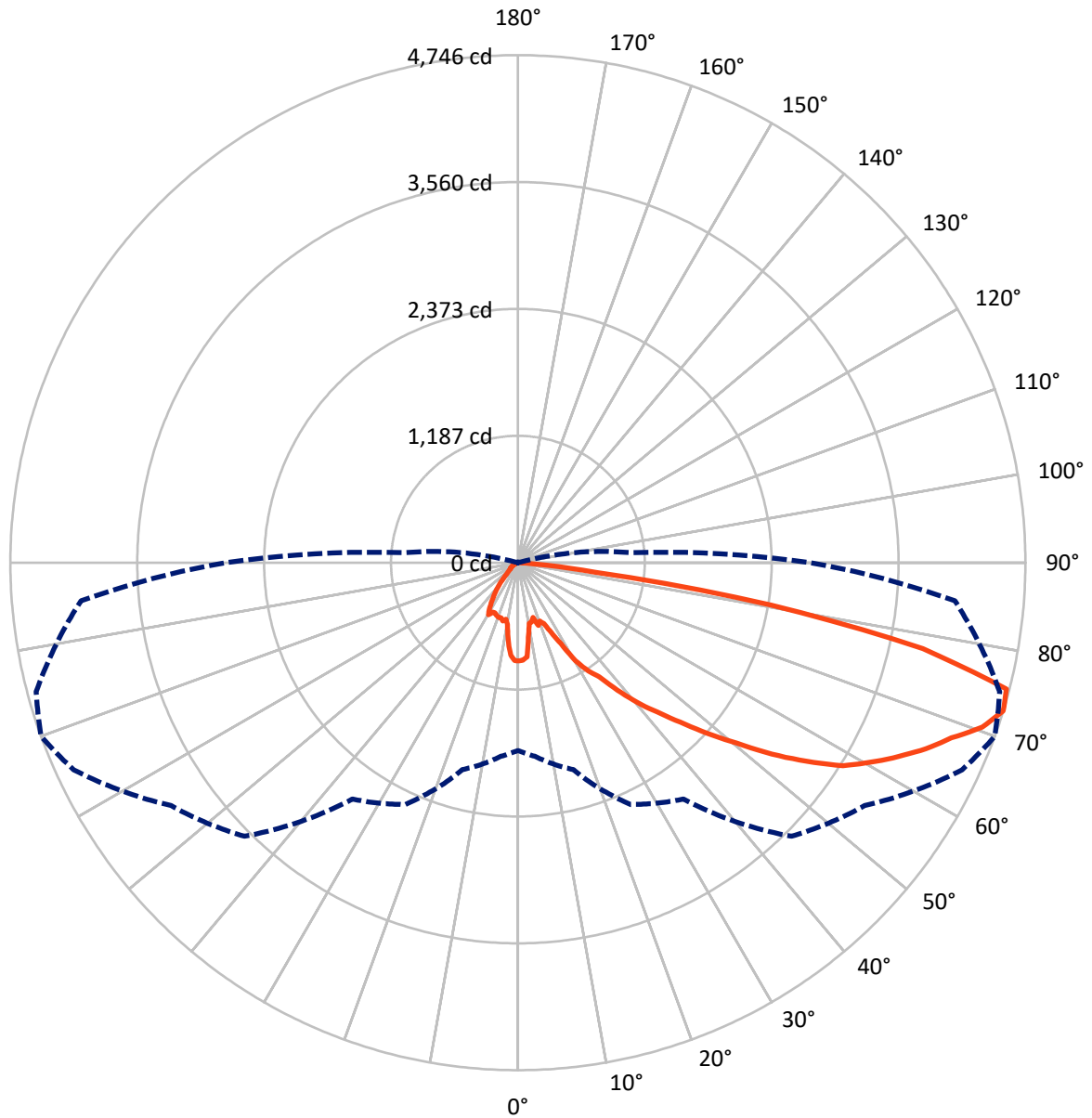


Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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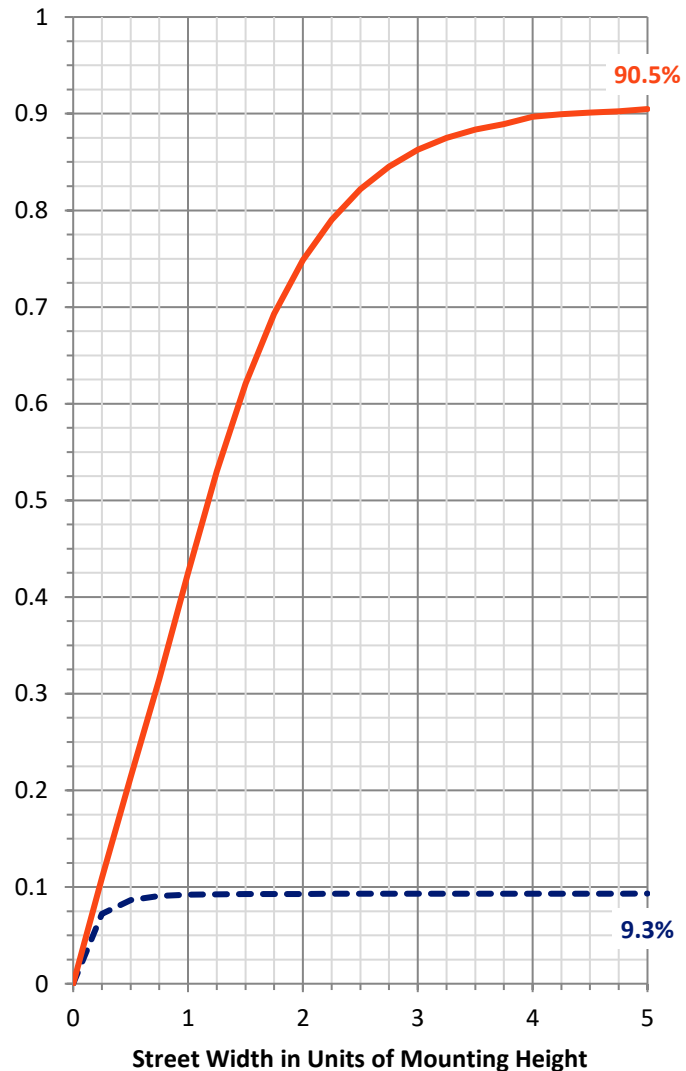
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	650.9	0.0	650.9
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	6253.0	0.0	6253.0
	% Fixture	90.6	0.0	90.6
Total	Lumens	6903.9	0.0	6903.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	1.0
10°-20°	141.3	2.0
20°-30°	230.3	3.3
30°-40°	491.5	7.1
40°-50°	947.0	13.7
50°-60°	1566.3	22.7
60°-70°	1917.2	27.8
70°-80°	1404.6	20.3
80°-90°	134.9	2.0
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°	6903.9	100.0
0°-180°	6903.9	100.0

Coefficient of Utilization



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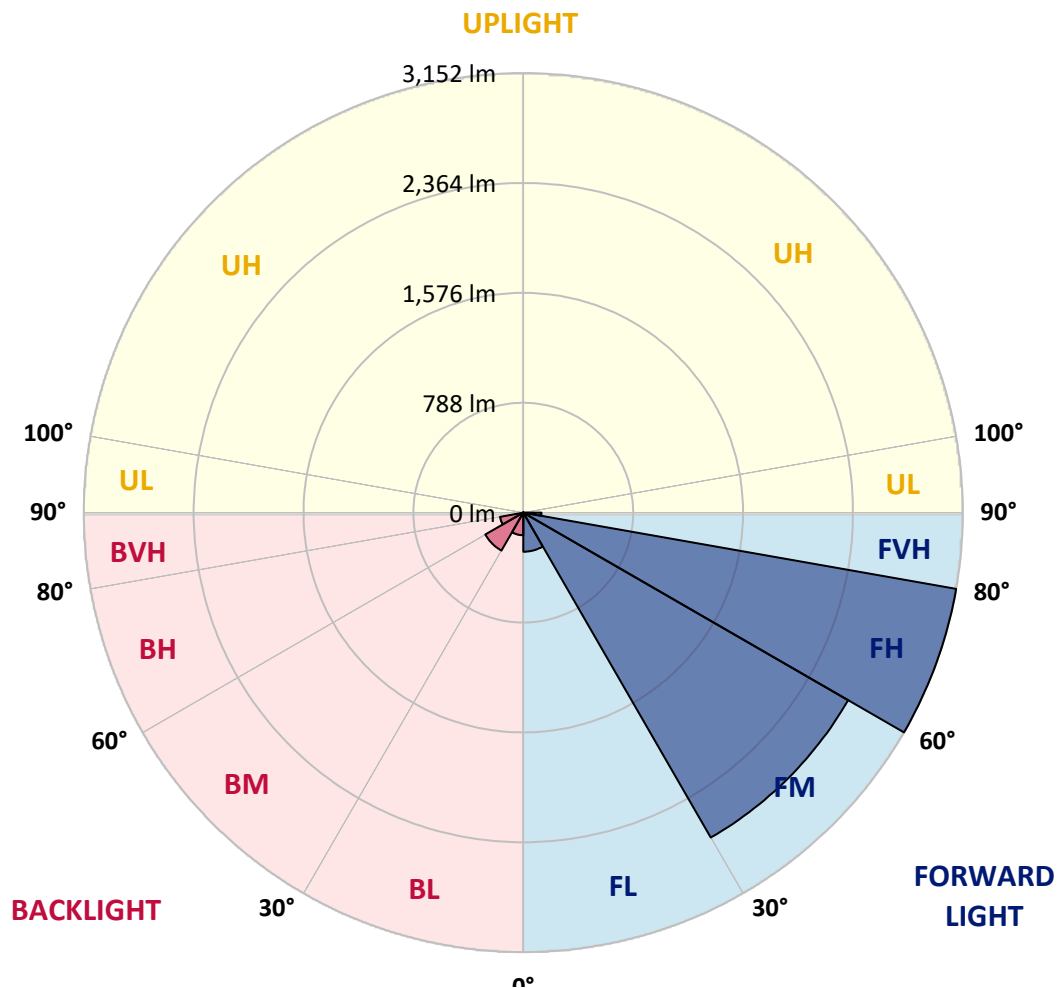
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	280.3	4.1			
FM	(30°-60°)	2690.3	39.0			
FH	(60°-80°)	3152.3	45.7			G2/5000
FVH	(80°-90°)	130.1	1.9			G2/225
BL	(0°-30°)	162.1	2.3	B1/500		
BM	(30°-60°)	314.5	4.6	B1/1000		
BH	(60°-80°)	169.5	2.5	B1/500		G1/500
BVH	(80°-90°)	4.8	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-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	918.7	918.7	918.7	918.7	918.7	918.7	918.7	918.7	918.7	918.7	918.7
2.5°	817.0	840.8	854.3	867.9	864.5	861.1	867.9	874.7	888.2	898.4	905.2
5°	735.7	735.7	735.7	735.7	739.1	739.1	739.1	739.1	742.5	745.8	749.2
7.5°	637.4	650.9	657.7	664.5	681.4	695.0	708.6	722.1	728.9	732.3	735.7
10°	691.6	691.6	691.6	691.6	695.0	695.0	650.9	603.5	606.8	610.2	589.9
12.5°	572.9	569.6	606.8	640.8	664.5	684.8	661.1	634.0	593.3	549.2	542.4
15°	674.7	674.7	674.7	674.7	627.2	579.7	545.8	511.9	539.0	562.8	508.5
17.5°	532.3	545.8	586.5	627.2	627.2	627.2	596.7	566.2	508.5	447.5	511.9
20°	661.1	661.1	661.1	657.7	579.7	501.8	528.9	552.6	576.3	600.1	589.9
22.5°	549.2	542.4	552.6	562.8	586.5	606.8	539.0	467.8	545.8	620.4	583.1
25°	695.0	695.0	698.4	698.4	623.8	549.2	593.3	634.0	576.3	518.7	610.2
27.5°	627.2	606.8	603.5	596.7	620.4	640.8	610.2	579.7	644.1	708.6	678.0
30°	871.3	871.3	847.6	823.8	732.3	637.4	647.5	654.3	654.3	654.3	722.1
32.5°	1210.3	1213.7	1122.2	1027.2	945.9	861.1	786.5	708.6	749.2	789.9	834.0
35°	1630.7	1640.9	1576.5	1508.6	1308.6	1108.6	983.2	857.7	854.3	847.6	912.0
37.5°	1932.4	1952.8	1901.9	1851.1	1613.7	1376.4	1196.7	1017.1	1000.1	979.8	1003.5
40°	2217.2	2203.6	2173.1	2139.2	1888.4	1634.1	1437.5	1237.4	1193.4	1145.9	1149.3
42.5°	2586.7	2546.1	2468.1	2390.1	2149.4	1908.7	1698.5	1488.3	1417.1	1345.9	1332.4
45°	3064.8	2997.0	2885.1	2769.8	2532.5	2295.2	2037.5	1776.5	1688.3	1596.8	1576.5
47.5°	3308.9	3261.4	3190.2	3115.6	2871.5	2627.4	2379.9	2129.1	2007.0	1881.6	1847.7
50°	3597.0	3536.0	3488.5	3437.7	3227.5	3013.9	2783.4	2549.4	2386.7	2224.0	2166.3
52.5°	3871.6	3769.9	3725.8	3678.4	3512.3	3342.8	3102.0	2861.3	2756.2	2647.8	2508.8
55°	3969.9	3871.6	3851.3	3830.9	3712.3	3593.6	3373.3	3152.9	3030.9	2905.4	2793.5
57.5°	3756.4	3769.9	3830.9	3892.0	3824.2	3756.4	3576.7	3393.6	3258.0	3122.4	3058.0
60°	3610.6	3641.1	3732.6	3824.2	3824.2	3824.2	3725.8	3627.5	3498.7	3369.9	3325.8
62.5°	3376.7	3413.9	3552.9	3691.9	3780.1	3868.2	3763.1	3658.0	3614.0	3566.5	3525.8
65°	3068.1	3078.3	3234.3	3390.2	3573.3	3753.0	3654.7	3552.9	3637.7	3722.5	3681.8
67.5°	2712.2	2729.1	2874.9	3017.3	3234.3	3451.2	3424.1	3393.6	3580.1	3766.5	3763.1
70°	2288.4	2318.9	2444.3	2566.4	2810.5	3051.2	3078.3	3105.4	3427.5	3746.2	3807.2
72.5°	1756.1	1817.2	1912.1	2003.6	2251.1	2495.2	2596.9	2698.6	3159.7	3617.4	3790.3
75°	583.1	623.8	888.2	1149.3	1400.2	1651.0	1874.8	2095.2	2671.5	3244.4	3603.8
77.5°	169.5	176.3	227.1	274.6	471.2	664.5	895.0	1122.2	1684.9	2244.3	2841.0
80°	88.1	91.5	101.7	111.9	162.7	213.6	308.5	400.0	657.7	915.4	1542.5
82.5°	61.0	61.0	71.2	78.0	98.3	118.7	169.5	220.4	240.7	261.0	620.4
85°	20.3	20.3	27.1	33.9	47.5	61.0	91.5	118.7	118.7	115.3	166.1
87.5°	3.4	3.4	6.8	10.2	17.0	20.3	17.0	13.6	10.2	6.8	13.6
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°	918.7	918.7	918.7	918.7	918.7	918.7	918.7	918.7	918.7	918.7	918.7
2.5°	908.6	912.0	912.0	912.0	915.4	915.4	915.4	915.4	912.0	915.4	915.4
5°	749.2	810.3	867.9	884.8	895.0	898.4	898.4	898.4	895.0	895.0	895.0
7.5°	739.1	735.7	732.3	705.2	769.6	783.1	793.3	789.9	789.9	773.0	752.6
10°	569.6	569.6	569.6	576.3	613.6	657.7	701.8	701.8	701.8	650.9	600.1
12.5°	532.3	552.6	569.6	569.6	508.5	559.4	610.2	610.2	610.2	559.4	505.1
15°	454.3	478.0	498.4	532.3	634.0	695.0	756.0	756.0	752.6	695.0	634.0
17.5°	572.9	566.2	556.0	617.0	579.7	589.9	600.1	569.6	613.6	596.7	579.7
20°	579.7	518.7	454.3	583.1	715.3	773.0	830.6	834.0	823.8	759.4	691.6
22.5°	545.8	623.8	698.4	617.0	637.4	623.8	606.8	600.1	600.1	596.7	593.3
25°	698.4	623.8	549.2	722.1	844.2	884.8	925.5	915.4	901.8	810.3	718.7
27.5°	644.1	718.7	789.9	857.7	918.7	956.0	993.3	1098.4	956.0	850.9	742.5
30°	786.5	878.1	966.2	1064.5	1251.0	1305.2	1359.5	1332.4	1298.5	1095.0	891.6
32.5°	874.7	1020.5	1162.8	1206.9	1318.8	1369.6	1417.1	1393.4	1352.7	1084.9	817.0
35°	973.0	1108.6	1240.8	1312.0	1447.6	1488.3	1525.6	1488.3	1444.2	1074.7	705.2
37.5°	1027.2	1210.3	1390.0	1512.0	1627.3	1637.5	1644.3	1610.4	1552.7	1074.7	596.7
40°	1152.7	1349.3	1542.5	1718.8	1810.4	1813.8	1817.2	1762.9	1657.8	1064.5	467.8
42.5°	1318.8	1518.8	1715.4	1908.7	2030.7	2020.6	2007.0	1932.4	1759.5	1047.6	335.6
45°	1556.1	1732.4	1908.7	2125.7	2274.8	2247.7	2217.2	2105.3	1830.7	1030.6	227.1
47.5°	1810.4	1949.4	2085.0	2383.3	2573.2	2515.5	2454.5	2291.8	1881.6	1023.8	162.7
50°	2105.3	2217.2	2329.1	2654.5	2881.7	2773.2	2664.7	2478.2	1901.9	1017.1	128.8
52.5°	2366.4	2481.6	2593.5	2973.2	3146.1	3024.1	2902.0	2624.0	1891.7	1003.5	111.9
55°	2678.3	2780.0	2881.7	3278.3	3417.3	3254.6	3088.5	2729.1	1840.9	973.0	101.7
57.5°	2990.2	3095.3	3197.0	3583.5	3624.1	3464.8	3302.1	2830.8	1790.0	942.5	91.5
60°	3281.7	3400.4	3519.0	3790.3	3820.8	3678.4	3536.0	2929.1	1708.7	895.0	81.4
62.5°	3485.1	3647.9	3810.6	3993.7	4007.2	3878.4	3746.2	3003.7	1603.6	840.8	74.6
65°	3637.7	3861.5	4081.8	4193.7	4186.9	4095.4	4003.8	3068.1	1518.8	789.9	61.0
67.5°	3756.4	4027.6	4298.8	4373.4	4390.3	4305.6	4220.8	3078.3	1413.7	732.3	47.5
70°	3868.2	4166.6	4464.9	4607.3	4573.4	4441.2	4309.0	3000.3	1271.3	654.3	33.9
72.5°	3959.8	4271.7	4583.6	4746.3	4664.9	4383.5	4102.2	2735.9	1064.5	545.8	23.7
75°	3959.8	4271.7	4580.2	4719.2	4441.2	3881.8	3319.0	2037.5	623.8	322.1	20.3
77.5°	3437.7	3664.8	3892.0	3871.6	3383.4	2688.4	1990.1	1173.0	210.2	115.3	17.0
80°	2169.7	2318.9	2468.1	2393.5	1729.0	1240.8	749.2	393.3	74.6	44.1	13.6
82.5°	979.8	962.8	945.9	728.9	339.0	227.1	111.9	67.8	20.3	13.6	6.8
85°	217.0	210.2	203.4	149.2	101.7	67.8	33.9	20.3	10.2	10.2	6.8
87.5°	20.3	23.7	23.7	17.0	17.0	13.6	6.8	6.8	6.8	6.8	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°	918.7	918.7	918.7	918.7	918.7	918.7	918.7	918.7	918.7	918.7	918.7
2.5°	915.4	915.4	915.4	912.0	912.0	912.0	888.2	861.1	844.2	823.8	813.7
5°	864.5	834.0	796.7	759.4	752.6	742.5	745.8	745.8	749.2	749.2	749.2
7.5°	735.7	718.7	725.5	732.3	732.3	732.3	732.3	728.9	725.5	722.1	688.2
10°	586.5	572.9	572.9	572.9	583.1	589.9	572.9	552.6	583.1	610.2	603.5
12.5°	539.0	572.9	528.9	481.4	488.2	491.6	491.6	488.2	474.6	461.1	413.6
15°	562.8	491.6	450.9	406.8	406.8	406.8	328.9	250.9	233.9	217.0	220.4
17.5°	539.0	498.4	450.9	400.0	301.7	200.0	189.9	176.3	176.3	176.3	179.7
20°	542.4	393.3	332.2	271.2	217.0	159.3	149.2	135.6	128.8	118.7	139.0
22.5°	532.3	467.8	318.7	169.5	149.2	128.8	118.7	105.1	122.0	139.0	139.0
25°	515.3	308.5	230.5	149.2	125.4	101.7	115.3	125.4	118.7	108.5	125.4
27.5°	518.7	291.6	200.0	108.5	115.3	118.7	111.9	101.7	111.9	118.7	111.9
30°	559.4	227.1	169.5	108.5	105.1	98.3	101.7	105.1	101.7	94.9	101.7
32.5°	498.4	179.7	142.4	101.7	98.3	94.9	91.5	88.1	91.5	91.5	91.5
35°	420.4	135.6	115.3	94.9	88.1	81.4	81.4	78.0	78.0	78.0	78.0
37.5°	356.0	115.3	101.7	84.8	78.0	71.2	67.8	61.0	61.0	57.6	57.6
40°	288.2	105.1	91.5	74.6	67.8	57.6	54.2	47.5	47.5	44.1	44.1
42.5°	217.0	94.9	81.4	64.4	57.6	47.5	40.7	33.9	33.9	30.5	30.5
45°	155.9	84.8	71.2	54.2	47.5	37.3	30.5	23.7	23.7	20.3	20.3
47.5°	122.0	78.0	64.4	47.5	37.3	27.1	23.7	17.0	17.0	17.0	17.0
50°	98.3	67.8	54.2	37.3	27.1	17.0	13.6	10.2	10.2	10.2	10.2
52.5°	88.1	61.0	47.5	30.5	23.7	13.6	10.2	6.8	10.2	10.2	10.2
55°	78.0	54.2	40.7	23.7	17.0	10.2	10.2	6.8	10.2	10.2	10.2
57.5°	71.2	47.5	33.9	17.0	13.6	6.8	6.8	3.4	6.8	6.8	6.8
60°	61.0	40.7	27.1	13.6	10.2	3.4	3.4	3.4	6.8	6.8	6.8
62.5°	54.2	33.9	23.7	10.2	6.8	3.4	3.4	3.4	6.8	6.8	6.8
65°	44.1	23.7	17.0	6.8	6.8	3.4	3.4	3.4	6.8	6.8	6.8
67.5°	33.9	17.0	13.6	6.8	6.8	3.4	3.4	3.4	6.8	6.8	3.4
70°	23.7	13.6	10.2	3.4	3.4	3.4	3.4	3.4	6.8	6.8	3.4
72.5°	17.0	10.2	6.8	3.4	3.4	0.0	3.4	3.4	6.8	6.8	6.8
75°	17.0	10.2	6.8	3.4	3.4	0.0	3.4	6.8	6.8	6.8	6.8
77.5°	13.6	6.8	6.8	3.4	3.4	0.0	3.4	6.8	6.8	6.8	6.8
80°	10.2	6.8	6.8	3.4	3.4	0.0	6.8	10.2	10.2	10.2	6.8
82.5°	6.8	6.8	6.8	3.4	3.4	0.0	6.8	10.2	10.2	10.2	6.8
85°	6.8	6.8	6.8	6.8	3.4	0.0	6.8	10.2	10.2	10.2	10.2
87.5°	6.8	6.8	6.8	6.8	6.8	3.4	10.2	13.6	13.6	10.2	10.2
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°	918.7	918.7	918.7	918.7
2.5°	800.1	800.1	796.7	806.9
5°	749.2	749.2	749.2	752.6
7.5°	650.9	627.2	603.5	606.8
10°	593.3	586.5	576.3	583.1
12.5°	366.1	345.8	322.1	311.9
15°	223.8	223.8	223.8	220.4
17.5°	183.1	169.5	152.6	155.9
20°	159.3	162.7	166.1	166.1
22.5°	139.0	132.2	125.4	125.4
25°	139.0	139.0	139.0	139.0
27.5°	105.1	105.1	101.7	101.7
30°	108.5	108.5	105.1	101.7
32.5°	88.1	88.1	88.1	88.1
35°	74.6	71.2	67.8	67.8
37.5°	57.6	54.2	50.9	50.9
40°	40.7	40.7	37.3	37.3
42.5°	30.5	30.5	27.1	27.1
45°	20.3	20.3	20.3	20.3
47.5°	13.6	13.6	13.6	13.6
50°	10.2	10.2	10.2	10.2
52.5°	10.2	10.2	6.8	6.8
55°	6.8	6.8	6.8	6.8
57.5°	6.8	6.8	6.8	6.8
60°	6.8	6.8	3.4	3.4
62.5°	3.4	3.4	3.4	3.4
65°	3.4	3.4	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	3.4	3.4	0.0	0.0
75°	3.4	3.4	0.0	0.0
77.5°	3.4	3.4	0.0	0.0
80°	3.4	3.4	0.0	0.0
82.5°	3.4	3.4	3.4	0.0
85°	6.8	6.8	3.4	0.0
87.5°	6.8	6.8	3.4	0.0
90°	0.0	0.0	0.0	0.0

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