

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: P561310

Luminaire Tested: **SDL-PA1-90-760-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-760-U-T2U-HSS
Description: Springdale
(1) 70 CRI, 5700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7387.8 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
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

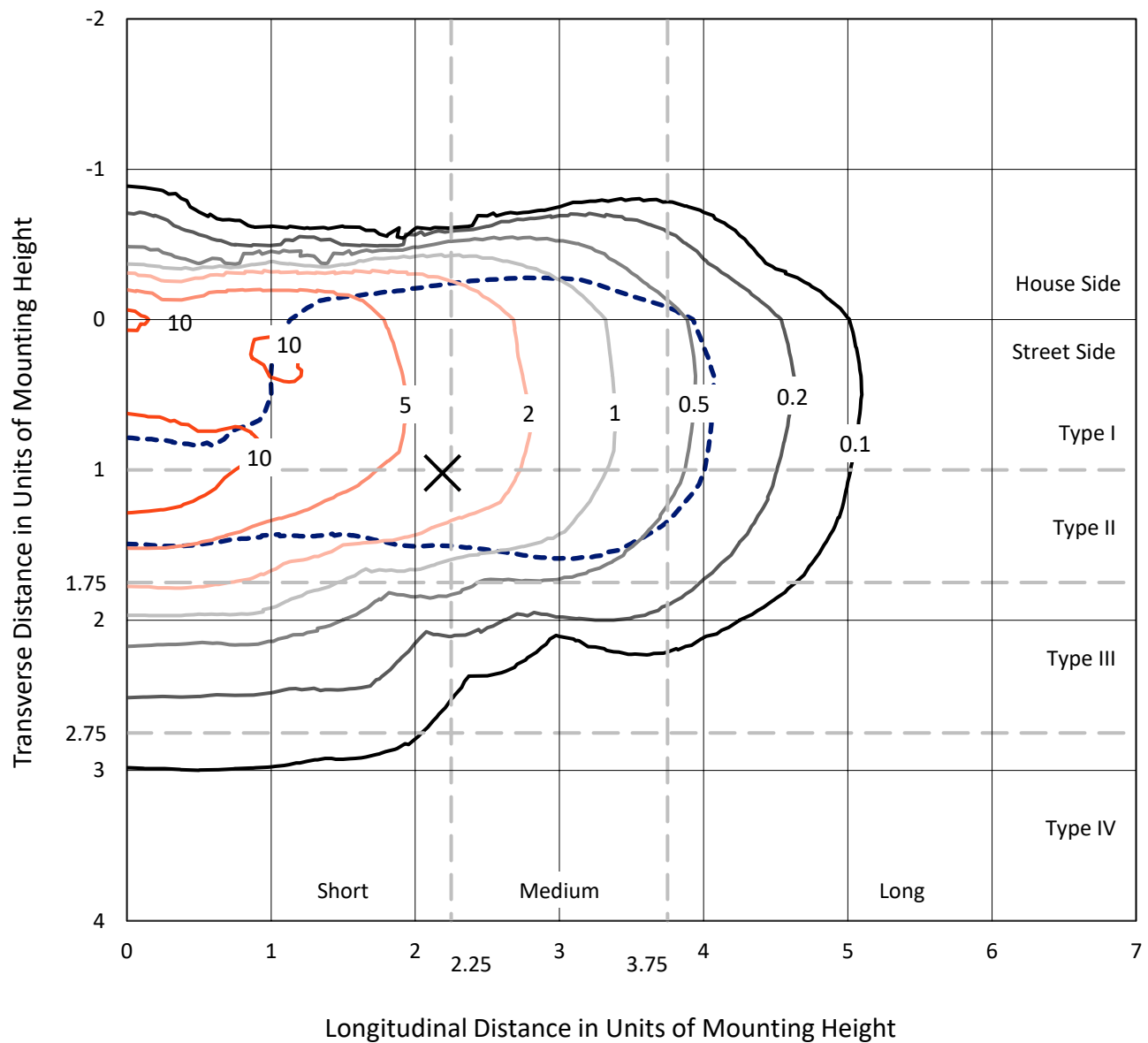


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

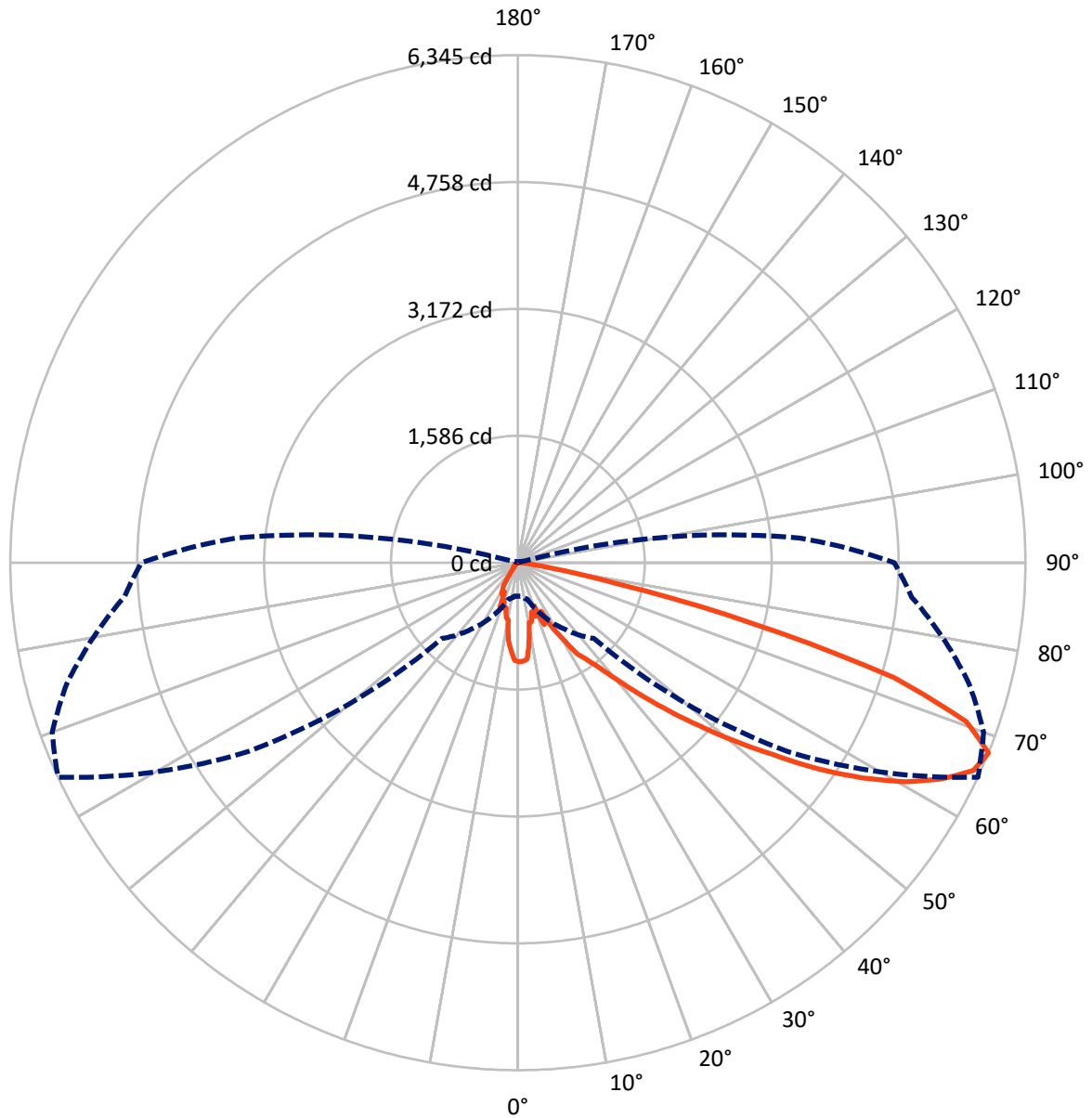


Based on 10 foot mounting height. Maximum calculated value = 16.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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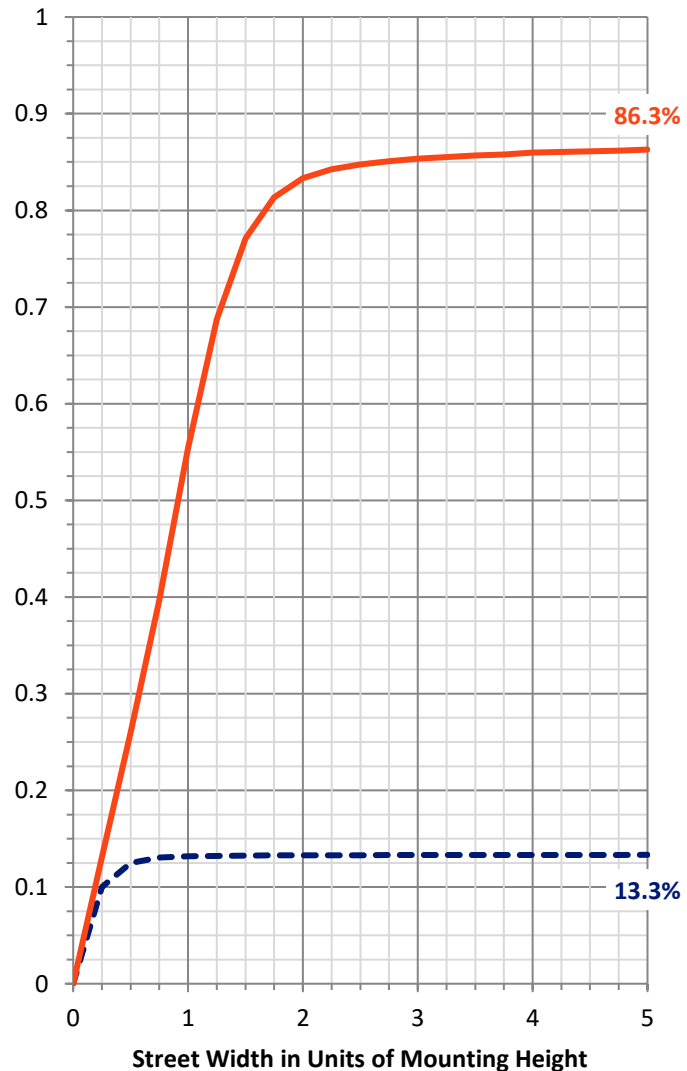
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	999.0	0.0	999.0
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	6388.8	0.0	6388.8
	% Fixture	86.5	0.0	86.5
Total	Lumens	7387.8	0.0	7387.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	1.3
10°-20°	183.6	2.5
20°-30°	277.3	3.8
30°-40°	638.7	8.6
40°-50°	1401.1	19.0
50°-60°	2056.9	27.8
60°-70°	1786.5	24.2
70°-80°	885.8	12.0
80°-90°	62.9	0.9
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°	7387.8	100.0
0°-180°	7387.8	100.0



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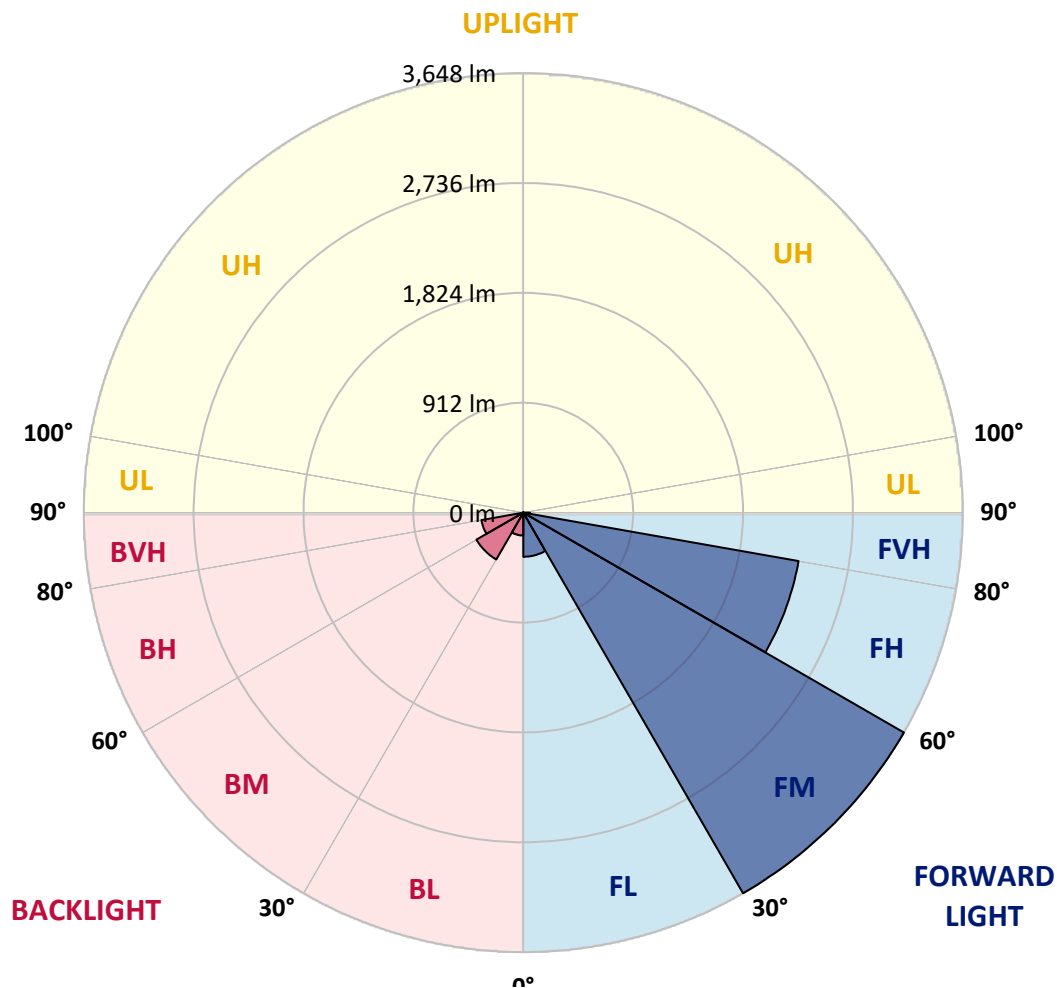
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	366.2	5.0			
FM	(30°-60°)	3647.9	49.4			
FH	(60°-80°)	2319.4	31.4			G2/5000
FVH	(80°-90°)	55.3	0.7			G1/100
BL	(0°-30°)	189.8	2.6	B1/500		
BM	(30°-60°)	448.7	6.1	B1/1000		
BH	(60°-80°)	352.9	4.8	B1/500		G1/500
BVH	(80°-90°)	7.6	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9
2.5°	1035.7	1121.4	1147.5	1173.5	1195.9	1218.2	1222.0	1225.7	1233.1	1236.9	1240.6
5°	1013.3	1017.1	1017.1	1013.3	1017.1	1020.8	1020.8	1020.8	1020.8	1020.8	1024.5
7.5°	812.2	909.0	938.8	964.9	979.8	991.0	998.4	1002.2	1005.9	1009.6	1013.3
10°	979.8	976.1	979.8	979.8	983.5	983.5	897.8	812.2	842.0	868.0	823.3
12.5°	778.6	856.9	890.4	923.9	946.3	964.9	927.7	886.7	808.4	726.5	730.2
15°	938.8	938.8	938.8	938.8	868.0	793.5	745.1	692.9	733.9	771.2	696.7
17.5°	756.3	756.3	823.3	890.4	890.4	886.7	838.2	786.1	681.8	577.5	670.6
20°	935.1	935.1	938.8	942.6	819.6	696.7	737.6	774.9	789.8	804.7	771.2
22.5°	763.7	763.7	774.9	782.4	827.1	871.8	752.6	633.3	730.2	827.1	760.0
25°	987.3	991.0	998.4	1002.2	890.4	774.9	827.1	879.2	774.9	670.6	774.9
27.5°	894.1	879.2	879.2	875.5	912.7	946.3	871.8	797.3	864.3	931.4	853.1
30°	1255.5	1244.3	1229.4	1214.5	1072.9	931.4	935.1	935.1	909.0	882.9	927.7
32.5°	1739.8	1721.2	1594.5	1467.8	1363.5	1259.2	1151.2	1043.1	1080.4	1113.9	1091.6
35°	2335.9	2335.9	2216.7	2097.5	1862.8	1628.0	1445.5	1259.2	1244.3	1229.4	1251.8
37.5°	3043.7	2969.2	2827.7	2686.1	2395.5	2101.2	1821.8	1542.4	1508.8	1471.6	1434.3
40°	3569.0	3557.9	3449.8	3341.8	2984.1	2626.5	2298.6	1967.1	1859.0	1747.3	1665.3
42.5°	4116.7	4075.7	3990.0	3900.6	3539.2	3174.1	2823.9	2470.0	2321.0	2172.0	2026.7
45°	4511.6	4500.4	4425.9	4351.4	4057.1	3759.0	3393.9	3025.1	2928.2	2831.4	2559.4
47.5°	4757.5	4694.1	4664.3	4630.8	4377.5	4124.1	3814.9	3502.0	3487.1	3468.4	3125.7
50°	4683.0	4627.1	4634.5	4642.0	4519.0	4396.1	4161.4	3923.0	3963.9	4004.9	3721.8
52.5°	4288.1	4239.6	4306.7	4370.0	4366.3	4362.6	4276.9	4187.5	4336.5	4481.8	4288.1
55°	3498.2	3531.8	3665.9	3800.0	3889.4	3975.1	4098.1	4217.3	4500.4	4779.8	4742.6
57.5°	2742.0	2816.5	2954.3	3088.4	3233.7	3375.3	3636.1	3896.9	4373.7	4846.9	5010.8
60°	1840.4	1888.8	2131.0	2369.4	2503.5	2637.7	2920.8	3200.2	3848.4	4493.0	4921.4
62.5°	1143.7	1169.8	1307.7	1445.5	1717.5	1989.4	2131.0	2268.8	2969.2	3665.9	4459.4
65°	704.1	696.7	752.6	804.7	1072.9	1337.5	1430.6	1520.0	1985.7	2447.7	3680.8
67.5°	421.0	417.3	447.1	476.9	599.8	722.7	868.0	1013.3	1177.3	1337.5	2727.1
70°	342.7	350.2	361.4	372.6	406.1	439.6	573.7	707.8	704.1	700.4	1639.2
72.5°	286.9	294.3	316.7	335.3	361.4	383.7	462.0	536.5	502.9	469.4	782.4
75°	212.4	216.1	245.9	272.0	312.9	350.2	368.8	383.7	368.8	353.9	394.9
77.5°	141.6	141.6	167.6	193.7	234.7	275.7	298.0	320.4	294.3	268.2	279.4
80°	89.4	89.4	104.3	115.5	156.5	197.5	223.5	249.6	227.3	201.2	197.5
82.5°	52.2	55.9	63.3	70.8	96.9	122.9	141.6	160.2	186.3	208.6	167.6
85°	22.4	26.1	33.5	37.3	52.2	63.3	74.5	85.7	108.0	130.4	108.0
87.5°	3.7	3.7	7.5	11.2	14.9	18.6	18.6	18.6	18.6	14.9	18.6
90°	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.5

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9
2.5°	1240.6	1236.9	1233.1	1233.1	1233.1	1229.4	1225.7	1225.7	1225.7	1222.0	1218.2
5°	1024.5	1117.7	1210.8	1214.5	1222.0	1218.2	1214.5	1210.8	1207.1	1203.3	1195.9
7.5°	1013.3	1005.9	998.4	972.4	1061.8	1061.8	1058.0	1058.0	1050.6	1020.8	991.0
10°	774.9	771.2	763.7	774.9	793.5	856.9	916.5	912.7	901.6	830.8	760.0
12.5°	733.9	745.1	756.3	719.0	648.2	707.8	767.5	760.0	752.6	689.2	622.2
15°	622.2	629.6	637.1	696.7	804.7	860.6	912.7	905.3	897.8	823.3	745.1
17.5°	763.7	733.9	704.1	745.1	707.8	733.9	760.0	730.2	707.8	678.0	648.2
20°	733.9	655.7	577.5	696.7	834.5	879.2	923.9	912.7	890.4	819.6	745.1
22.5°	689.2	767.5	842.0	804.7	737.6	696.7	655.7	637.1	622.2	625.9	629.6
25°	875.5	774.9	670.6	849.4	957.5	972.4	983.5	950.0	912.7	834.5	752.6
27.5°	771.2	845.7	916.5	987.3	1024.5	1035.7	1043.1	1091.6	1013.3	909.0	804.7
30°	972.4	1035.7	1099.0	1255.5	1382.2	1404.5	1426.9	1371.0	1307.7	1181.0	1054.3
32.5°	1069.2	1214.5	1356.1	1430.6	1482.8	1501.4	1520.0	1445.5	1374.7	1210.8	1043.1
35°	1270.4	1378.4	1486.5	1572.2	1672.8	1676.5	1680.2	1598.2	1508.8	1270.4	1032.0
37.5°	1393.3	1534.9	1672.8	1769.6	1926.1	1914.9	1903.7	1806.9	1698.8	1363.5	1028.2
40°	1579.6	1762.2	1941.0	2034.1	2224.1	2190.6	2157.1	2045.3	1926.1	1464.1	1002.2
42.5°	1881.4	2075.1	2268.8	2347.1	2555.7	2518.4	2477.5	2328.4	2175.7	1546.1	916.5
45°	2283.7	2458.8	2633.9	2771.8	2935.7	2876.1	2816.5	2656.3	2432.8	1616.9	801.0
47.5°	2779.2	2909.6	3040.0	3312.0	3431.2	3312.0	3189.0	2995.3	2712.2	1676.5	640.8
50°	3438.6	3468.4	3494.5	3833.5	3952.8	3770.2	3587.7	3338.1	2999.0	1743.5	484.3
52.5°	4090.6	4034.7	3975.1	4340.2	4384.9	4142.8	3896.9	3636.1	3211.4	1780.8	346.5
55°	4705.3	4627.1	4545.1	4805.9	4776.1	4455.7	4135.3	3818.6	3341.8	1792.0	242.2
57.5°	5174.7	5126.3	5074.1	5193.4	5081.6	4705.3	4329.0	4012.4	3438.6	1810.6	178.8
60°	5346.1	5454.1	5562.2	5547.3	5342.4	4943.7	4545.1	4209.8	3498.2	1818.0	134.1
62.5°	5253.0	5603.2	5949.6	5808.1	5558.5	5137.5	4712.8	4388.6	3524.3	1814.3	104.3
65°	4913.9	5588.3	6258.8	6024.1	5711.2	5290.2	4869.2	4578.6	3554.1	1818.0	82.0
67.5°	4113.0	5230.6	6344.5	6195.5	5837.9	5390.8	4940.0	4705.3	3539.2	1803.1	67.1
70°	2574.3	4258.3	5942.2	6057.7	5837.9	5346.1	4854.3	4668.1	3405.1	1728.6	52.2
72.5°	1091.6	3006.5	4921.4	5424.3	5577.1	5100.2	4623.3	4392.4	3118.2	1579.6	41.0
75°	432.2	1728.6	3025.1	3822.4	4291.8	4090.6	3885.7	3576.5	2045.3	1039.4	29.8
77.5°	290.6	789.8	1289.0	1877.7	2239.0	2317.3	2395.5	2041.6	815.9	421.0	22.4
80°	193.7	316.7	439.6	674.3	804.7	760.0	711.6	584.9	249.6	134.1	18.6
82.5°	122.9	163.9	204.9	231.0	238.4	171.4	104.3	85.7	29.8	22.4	11.2
85°	82.0	96.9	111.8	115.5	115.5	82.0	44.7	22.4	11.2	11.2	7.5
87.5°	22.4	26.1	26.1	26.1	18.6	14.9	11.2	7.5	7.5	7.5	7.5
90°	11.2	14.9	14.9	14.9	11.2	11.2	7.5	7.5	7.5	7.5	7.5



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9
2.5°	1218.2	1218.2	1214.5	1210.8	1210.8	1207.1	1169.8	1128.8	1091.6	1050.6	1046.9
5°	1147.5	1095.3	1046.9	998.4	991.0	979.8	979.8	976.1	976.1	972.4	972.4
7.5°	983.5	976.1	968.6	961.2	957.5	950.0	946.3	938.8	935.1	927.7	886.7
10°	745.1	726.5	726.5	722.7	730.2	737.6	733.9	726.5	774.9	823.3	819.6
12.5°	663.1	700.4	666.9	629.6	640.8	648.2	659.4	670.6	666.9	659.4	603.5
15°	666.9	584.9	558.8	529.0	543.9	555.1	458.2	357.6	339.0	320.4	298.0
17.5°	622.2	596.1	577.5	555.1	424.7	290.6	260.8	231.0	204.9	175.1	171.4
20°	629.6	510.4	476.9	439.6	339.0	238.4	182.5	126.7	111.8	96.9	111.8
22.5°	614.7	596.1	435.9	275.7	204.9	134.1	111.8	85.7	93.1	100.6	100.6
25°	577.5	402.4	312.9	223.5	156.5	85.7	89.4	89.4	82.0	70.8	78.2
27.5°	625.9	443.3	283.1	119.2	104.3	85.7	78.2	67.1	67.1	67.1	63.3
30°	722.7	387.5	242.2	96.9	82.0	67.1	63.3	59.6	55.9	48.4	52.2
32.5°	685.5	327.8	204.9	82.0	70.8	59.6	52.2	44.7	44.7	44.7	44.7
35°	622.2	208.6	141.6	70.8	59.6	48.4	44.7	37.3	37.3	37.3	37.3
37.5°	581.2	134.1	96.9	55.9	48.4	41.0	37.3	29.8	29.8	29.8	33.5
40°	547.6	93.1	70.8	48.4	41.0	29.8	26.1	22.4	26.1	26.1	26.1
42.5°	499.2	78.2	59.6	41.0	33.5	26.1	22.4	18.6	22.4	22.4	22.4
45°	435.9	70.8	52.2	33.5	29.8	22.4	18.6	14.9	18.6	18.6	18.6
47.5°	350.2	59.6	44.7	29.8	26.1	18.6	18.6	14.9	14.9	14.9	14.9
50°	272.0	55.9	41.0	26.1	22.4	14.9	14.9	11.2	14.9	14.9	14.9
52.5°	197.5	48.4	37.3	22.4	18.6	11.2	11.2	11.2	11.2	11.2	11.2
55°	141.6	41.0	29.8	18.6	14.9	11.2	11.2	7.5	11.2	11.2	11.2
57.5°	108.0	37.3	26.1	14.9	11.2	7.5	7.5	7.5	7.5	7.5	7.5
60°	85.7	33.5	26.1	14.9	11.2	7.5	7.5	3.7	7.5	7.5	7.5
62.5°	67.1	26.1	22.4	14.9	11.2	7.5	7.5	3.7	7.5	7.5	7.5
65°	52.2	22.4	18.6	11.2	7.5	3.7	3.7	3.7	7.5	7.5	7.5
67.5°	44.7	18.6	14.9	11.2	7.5	3.7	7.5	7.5	7.5	7.5	7.5
70°	37.3	18.6	14.9	11.2	7.5	3.7	7.5	7.5	11.2	11.2	7.5
72.5°	29.8	14.9	11.2	7.5	7.5	3.7	7.5	7.5	11.2	11.2	7.5
75°	22.4	11.2	11.2	7.5	7.5	3.7	7.5	11.2	11.2	11.2	7.5
77.5°	18.6	11.2	11.2	7.5	7.5	3.7	7.5	11.2	11.2	11.2	11.2
80°	14.9	7.5	7.5	7.5	3.7	0.0	7.5	14.9	14.9	11.2	11.2
82.5°	11.2	7.5	7.5	7.5	3.7	0.0	7.5	14.9	14.9	11.2	11.2
85°	7.5	7.5	7.5	7.5	7.5	3.7	11.2	14.9	14.9	11.2	11.2
87.5°	7.5	7.5	7.5	7.5	7.5	3.7	7.5	11.2	11.2	11.2	11.2
90°	7.5	7.5	11.2	11.2	7.5	3.7	7.5	11.2	11.2	11.2	11.2



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1236.9	1236.9	1236.9	1236.9
2.5°	1039.4	1046.9	1050.6	1043.1
5°	968.6	968.6	964.9	976.1
7.5°	842.0	819.6	793.5	774.9
10°	812.2	793.5	774.9	778.6
12.5°	543.9	488.0	432.2	450.8
15°	275.7	260.8	245.9	245.9
17.5°	163.9	149.0	130.4	134.1
20°	122.9	122.9	122.9	122.9
22.5°	96.9	93.1	85.7	82.0
25°	82.0	82.0	82.0	82.0
27.5°	59.6	59.6	55.9	52.2
30°	52.2	52.2	52.2	48.4
32.5°	41.0	44.7	44.7	44.7
35°	37.3	37.3	37.3	37.3
37.5°	33.5	33.5	29.8	29.8
40°	26.1	26.1	26.1	26.1
42.5°	22.4	22.4	22.4	22.4
45°	18.6	18.6	18.6	18.6
47.5°	14.9	14.9	14.9	14.9
50°	14.9	14.9	11.2	11.2
52.5°	11.2	11.2	7.5	7.5
55°	7.5	7.5	7.5	7.5
57.5°	7.5	7.5	3.7	3.7
60°	7.5	7.5	3.7	3.7
62.5°	3.7	3.7	3.7	3.7
65°	3.7	3.7	0.0	0.0
67.5°	3.7	3.7	0.0	0.0
70°	3.7	3.7	0.0	0.0
72.5°	3.7	3.7	0.0	0.0
75°	3.7	3.7	0.0	0.0
77.5°	7.5	3.7	0.0	0.0
80°	7.5	7.5	3.7	0.0
82.5°	7.5	7.5	3.7	0.0
85°	7.5	7.5	3.7	0.0
87.5°	7.5	7.5	3.7	0.0
90°	7.5	7.5	3.7	0.0



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