

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: P561221

Luminaire Tested: **SDL-PA1-90-727-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561221
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
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-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5812.2 lumens
Efficiency: N/A
Efficacy: 62.9 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 - U3 - 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



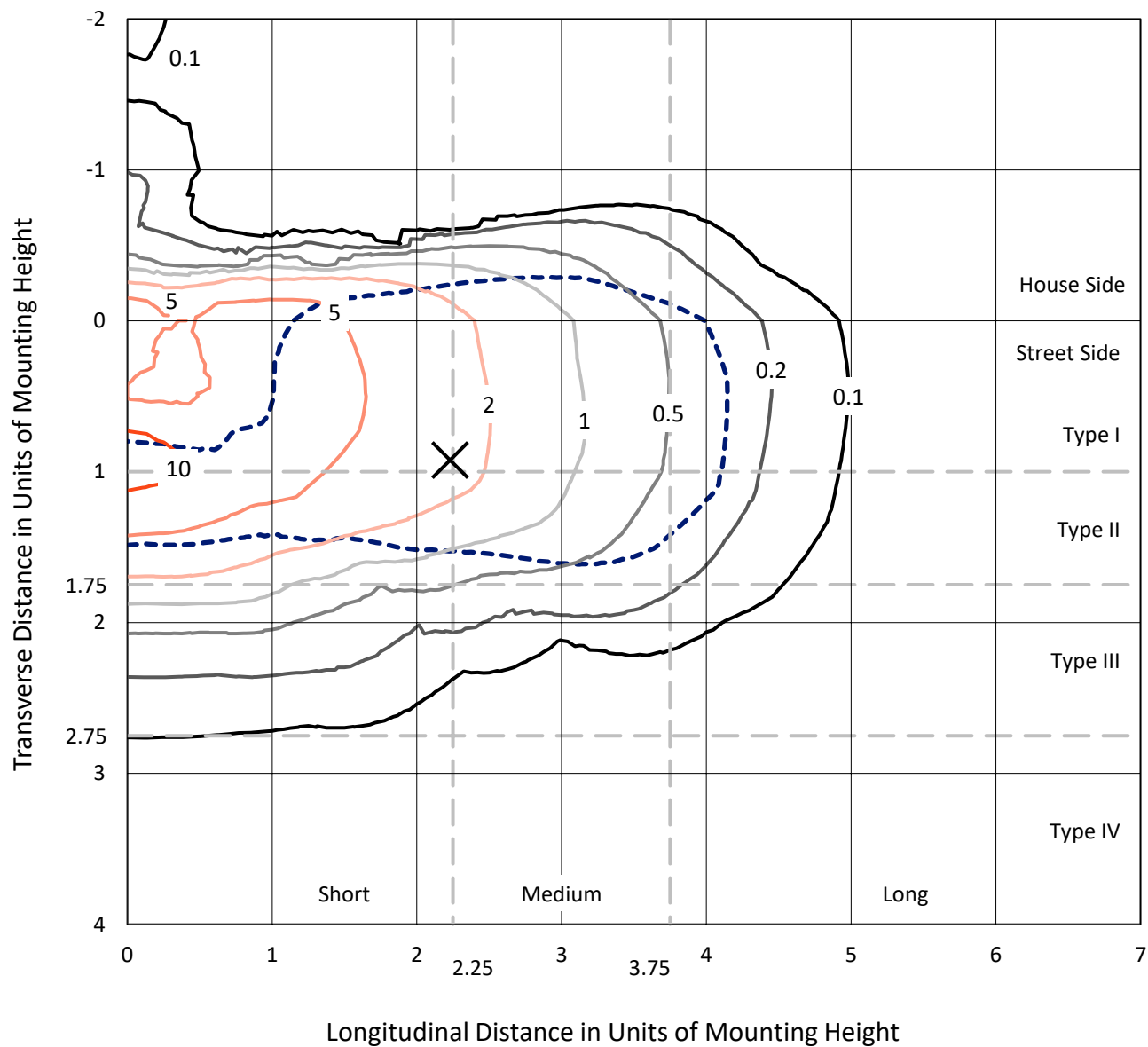
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



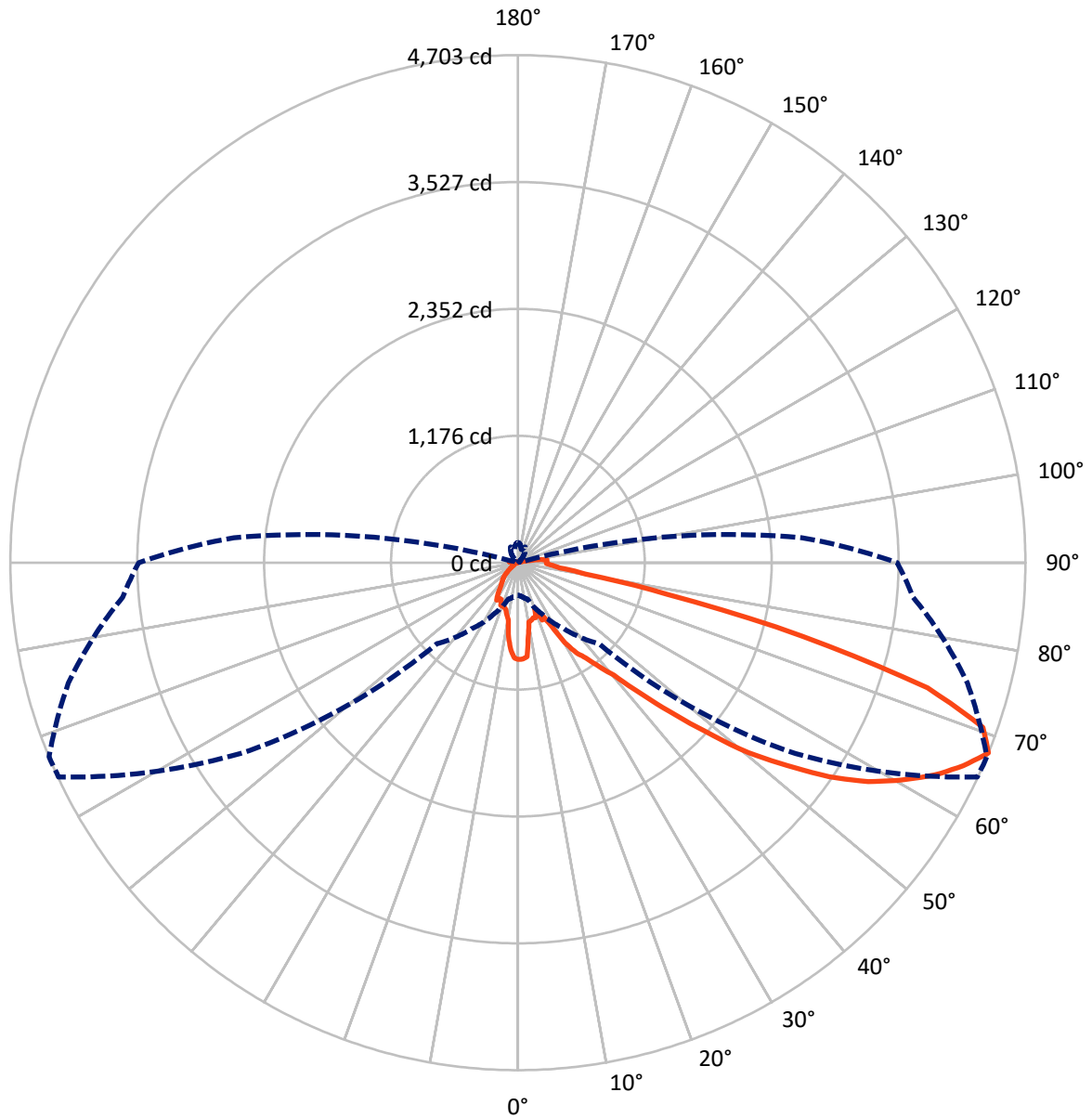
Based on 10 foot mounting height. Maximum calculated value = 11.7 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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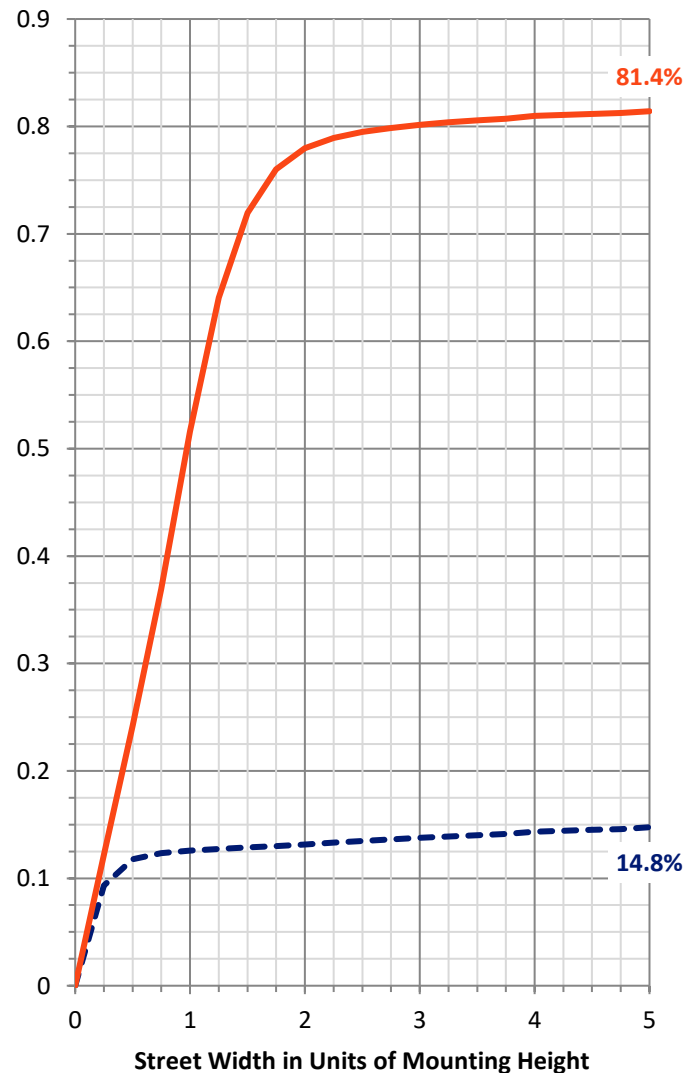
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	909.5	67.8	977.3
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	4762.9	72.1	4835.0
	% Fixture	81.9	1.2	83.2
Total	Lumens	5672.4	139.8	5812.2
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	1.2
10°-20°	131.4	2.3
20°-30°	198.2	3.4
30°-40°	456.5	7.9
40°-50°	1017.6	17.5
50°-60°	1514.2	26.1
60°-70°	1350.5	23.2
70°-80°	758.1	13.0
80°-90°	177.0	3.0
90°-100°	97.2	1.7
100°-110°	22.4	0.4
110°-120°	8.8	0.2
120°-130°	5.8	0.1
130°-140°	3.0	0.1
140°-150°	1.4	0.0
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5672.4	97.6
0°-180°	5812.2	100.0

Coefficient of Utilization



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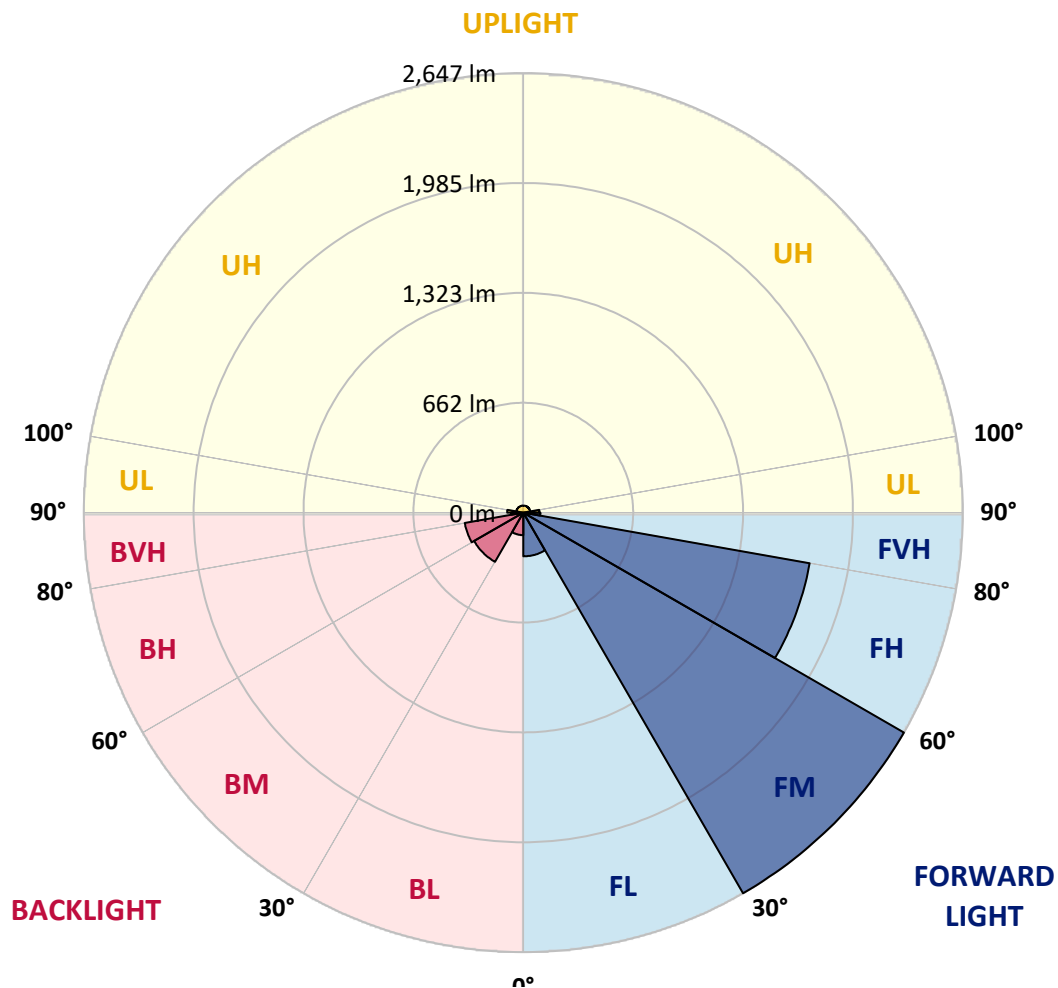
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	262.9	4.5			
FM	(30°-60°)	2646.5	45.5			
FH	(60°-80°)	1750.7	30.1			G1/1800
FVH	(80°-90°)	102.7	1.8			G2/225
BL	(0°-30°)	135.6	2.3	B1/500		
BM	(30°-60°)	341.8	5.9	B1/1000		
BH	(60°-80°)	357.8	6.2	B1/500		G1/500
BVH	(80°-90°)	74.3	1.3			G1/100
UL	(90°-100°)	97.2	1.7		U3/500	
UH	(100°-180°)	42.7	0.7		U2/50	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	896.6	896.6	896.6	896.6	896.6	896.6	896.6	896.6	896.6	896.6	896.6
2.5°	760.1	803.5	850.1	881.1	887.3	896.6	896.6	893.5	893.5	890.4	890.4
5°	738.4	735.3	738.4	744.6	741.5	741.5	741.5	865.6	874.9	881.1	881.1
7.5°	636.0	651.5	701.1	719.8	726.0	732.2	732.2	722.9	688.7	763.2	772.5
10°	691.8	688.7	688.7	694.9	648.4	629.8	567.7	558.4	558.4	583.3	663.9
12.5°	580.1	614.3	660.8	679.4	626.7	555.3	539.8	552.2	549.1	480.9	561.5
15°	657.7	657.7	651.5	639.1	493.3	552.2	465.4	465.4	530.5	570.8	642.2
17.5°	533.6	549.1	626.7	617.4	542.9	415.7	542.9	499.5	536.7	502.6	539.8
20°	654.6	651.5	654.6	499.5	552.2	570.8	542.9	487.1	443.6	583.3	645.3
22.5°	539.8	533.6	564.6	617.4	521.2	592.6	496.4	592.6	577.0	518.1	465.4
25°	698.0	694.9	701.1	546.0	611.2	530.5	611.2	530.5	555.3	663.9	679.4
27.5°	629.8	626.7	617.4	667.0	580.1	670.1	577.0	648.4	667.0	719.8	834.5
30°	887.3	874.9	843.9	670.1	682.5	645.3	682.5	797.3	859.4	964.8	999.0
32.5°	1293.7	1228.6	1023.8	887.3	722.9	825.2	772.5	936.9	995.9	1048.6	1076.5
35°	1672.2	1644.3	1495.4	1172.7	881.1	912.1	871.8	1048.6	1082.7	1194.4	1188.2
37.5°	2190.3	2143.8	1914.2	1514.0	1107.6	1095.1	992.8	1194.4	1219.2	1380.6	1349.5
40°	2578.1	2540.9	2360.9	1880.1	1408.5	1299.9	1160.3	1396.1	1368.2	1585.3	1541.9
42.5°	2950.4	2928.7	2789.1	2298.9	1740.4	1616.4	1334.0	1644.3	1638.1	1827.3	1790.1
45°	3251.3	3226.5	3136.5	2674.3	2122.0	2125.1	1607.0	1917.3	1960.7	2140.7	2044.5
47.5°	3428.2	3375.4	3310.3	2972.1	2506.7	2612.2	2010.4	2227.5	2333.0	2488.1	2342.3
50°	3387.8	3335.1	3341.3	3161.3	2860.4	3031.0	2441.6	2556.4	2767.3	2888.3	2599.8
52.5°	3065.2	3034.1	3136.5	3127.2	3040.4	3415.7	2944.2	2913.2	3121.0	3201.7	2863.5
55°	2606.0	2562.6	2754.9	2891.4	3040.4	3654.6	3409.5	3310.3	3499.5	3487.1	3043.5
57.5°	1979.3	1994.8	2212.0	2426.1	2792.2	3701.2	3753.9	3741.5	3828.4	3722.9	3186.2
60°	1352.6	1362.0	1669.1	1911.1	2289.6	3456.1	3865.6	4098.3	4089.0	3921.4	3347.5
62.5°	850.1	847.0	1079.6	1461.2	1647.4	2813.9	3822.2	4368.2	4334.1	4070.3	3471.6
65°	490.2	502.6	586.4	967.9	1144.8	1920.4	3570.9	4631.9	4535.7	4203.8	3605.0
67.5°	300.9	310.2	350.6	524.3	747.7	1061.0	3037.2	4697.0	4703.2	4312.3	3676.3
70°	254.4	257.5	276.1	322.6	521.2	595.7	2044.5	4393.0	4572.9	4337.2	3654.6
72.5°	214.1	217.2	245.1	282.3	387.8	421.9	918.3	3629.8	3971.1	4147.9	3496.4
75°	158.2	161.3	201.7	257.5	282.3	338.2	502.6	2404.4	2727.0	3279.2	2981.4
77.5°	102.4	105.5	142.7	207.9	238.9	266.8	406.4	1123.1	1420.9	1895.6	1883.2
80°	68.3	68.3	83.8	145.8	189.2	217.2	353.7	555.3	632.9	781.8	732.2
82.5°	43.4	43.4	52.7	90.0	121.0	217.2	332.0	397.1	384.7	390.9	347.5
85°	18.6	18.6	27.9	49.6	65.2	142.7	297.8	341.3	325.8	325.8	310.2
87.5°	6.2	6.2	9.3	15.5	21.7	43.4	229.6	273.0	263.7	273.0	294.7
90°	6.2	6.2	3.1	6.2	6.2	31.0	186.1	269.9	263.7	276.1	304.0
92.5°	9.3	9.3	3.1	3.1	6.2	24.8	145.8	279.2	269.9	288.5	316.4
95°	15.5	15.5	6.2	3.1	9.3	21.7	90.0	248.2	269.9	285.4	322.6
97.5°	18.6	18.6	6.2	6.2	9.3	18.6	46.5	201.7	207.9	217.2	254.4
100°	24.8	24.8	6.2	6.2	6.2	15.5	24.8	105.5	108.6	77.6	124.1
102.5°	24.8	24.8	6.2	6.2	6.2	9.3	12.4	46.5	43.4	15.5	15.5
105°	27.9	27.9	9.3	6.2	6.2	6.2	6.2	15.5	15.5	9.3	18.6
107.5°	27.9	27.9	9.3	9.3	6.2	6.2	3.1	6.2	9.3	9.3	18.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	15.5	15.5	6.2	9.3	6.2	3.1	3.1	3.1	6.2	12.4	31.0
115°	6.2	6.2	3.1	6.2	3.1	3.1	3.1	6.2	6.2	9.3	24.8
117.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	3.1	9.3	21.7
120°	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	12.4	21.7
122.5°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	12.4	21.7
125°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	9.3	18.6
127.5°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	6.2	18.6
130°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	6.2	12.4
132.5°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	6.2	9.3
135°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	6.2
137.5°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1
140°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	3.1	3.1	6.2	6.2	3.1	0.0	6.2	3.1	3.1	3.1	3.1
152.5°	6.2	6.2	6.2	6.2	3.1	0.0	3.1	6.2	3.1	3.1	3.1
155°	6.2	6.2	3.1	3.1	3.1	0.0	3.1	3.1	3.1	6.2	9.3
157.5°	0.0	0.0	0.0	0.0	3.1	0.0	3.1	3.1	0.0	0.0	3.1
160°	0.0	0.0	0.0	0.0	3.1	0.0	3.1	3.1	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	896.6	896.6	896.6	896.6	896.6	896.6	896.6	896.6	896.6	896.6	896.6
2.5°	887.3	887.3	884.2	884.2	874.9	871.8	831.4	788.0	753.9	757.0	757.0
5°	878.0	871.8	862.5	800.4	722.9	710.4	710.4	704.2	701.1	704.2	704.2
7.5°	766.3	760.1	722.9	691.8	694.9	688.7	676.3	673.2	620.5	567.7	564.6
10°	660.8	651.5	552.2	530.5	527.4	549.1	601.9	583.3	564.6	542.9	552.2
12.5°	552.2	549.1	459.2	508.8	443.6	456.1	468.5	449.8	384.7	310.2	319.5
15°	639.1	629.8	521.2	421.9	378.5	381.6	251.3	242.0	195.5	176.8	167.5
17.5°	474.7	521.2	456.1	421.9	381.6	198.6	161.3	124.1	111.7	90.0	93.1
20°	636.0	623.6	521.2	394.0	294.7	167.5	90.0	71.4	86.9	90.0	90.0
22.5°	449.8	437.4	440.5	418.8	207.9	96.2	68.3	71.4	65.2	62.0	62.0
25°	660.8	639.1	533.6	319.5	155.1	62.0	65.2	49.6	58.9	58.9	58.9
27.5°	803.5	729.1	561.5	310.2	86.9	62.0	46.5	49.6	40.3	40.3	40.3
30°	961.7	918.3	735.3	288.5	68.3	49.6	43.4	34.1	37.2	37.2	37.2
32.5°	1033.1	974.2	735.3	229.6	58.9	46.5	34.1	31.0	31.0	34.1	34.1
35°	1135.5	1073.4	732.2	152.0	49.6	37.2	27.9	27.9	27.9	27.9	27.9
37.5°	1290.6	1200.6	744.6	96.2	40.3	31.0	21.7	24.8	24.8	52.7	52.7
40°	1464.3	1362.0	710.4	68.3	34.1	24.8	18.6	31.0	43.4	46.5	46.5
42.5°	1684.6	1572.9	660.8	58.9	31.0	18.6	15.5	24.8	37.2	58.9	58.9
45°	1948.3	1780.8	592.6	52.7	24.8	15.5	15.5	31.0	46.5	55.8	55.8
47.5°	2184.1	1982.4	474.7	49.6	21.7	12.4	21.7	34.1	40.3	65.2	65.2
50°	2460.2	2193.4	363.0	43.4	18.6	12.4	34.1	37.2	46.5	58.9	58.9
52.5°	2665.0	2370.2	276.1	40.3	18.6	9.3	34.1	34.1	52.7	68.3	68.3
55°	2829.4	2466.4	198.6	34.1	15.5	9.3	40.3	43.4	46.5	52.7	52.7
57.5°	2956.6	2534.7	155.1	31.0	15.5	21.7	49.6	55.8	49.6	52.7	52.7
60°	3102.4	2568.8	114.8	27.9	12.4	21.7	58.9	74.5	55.8	80.7	77.6
62.5°	3235.8	2593.6	93.1	27.9	12.4	24.8	65.2	93.1	74.5	108.6	111.7
65°	3403.3	2624.6	77.6	21.7	12.4	34.1	77.6	124.1	99.3	142.7	148.9
67.5°	3515.0	2643.2	65.2	21.7	12.4	40.3	108.6	161.3	124.1	179.9	186.1
70°	3527.4	2575.0	52.7	21.7	12.4	62.0	148.9	195.5	155.1	229.6	232.7
72.5°	3366.1	2379.5	43.4	24.8	12.4	68.3	173.7	226.5	183.0	304.0	307.1
75°	2720.8	1669.1	40.3	24.8	12.4	86.9	189.2	248.2	204.8	316.4	322.6
77.5°	1672.2	772.5	37.2	27.9	18.6	96.2	192.3	263.7	214.1	316.4	325.8
80°	648.4	381.6	34.1	31.0	43.4	108.6	207.9	266.8	214.1	294.7	307.1
82.5°	300.9	223.4	34.1	34.1	55.8	111.7	204.8	248.2	198.6	263.7	260.6
85°	269.9	220.3	37.2	37.2	58.9	96.2	161.3	211.0	170.6	207.9	207.9
87.5°	263.7	217.2	40.3	46.5	58.9	55.8	124.1	179.9	145.8	155.1	155.1
90°	269.9	226.5	43.4	52.7	49.6	31.0	99.3	148.9	111.7	99.3	96.2
92.5°	288.5	229.6	52.7	62.0	46.5	24.8	83.8	121.0	80.7	65.2	62.0
95°	304.0	235.8	65.2	74.5	49.6	21.7	74.5	96.2	58.9	40.3	37.2
97.5°	254.4	183.0	74.5	80.7	49.6	21.7	65.2	77.6	46.5	21.7	21.7
100°	108.6	80.7	77.6	86.9	46.5	18.6	55.8	62.0	31.0	9.3	12.4
102.5°	21.7	24.8	68.3	80.7	37.2	12.4	37.2	37.2	21.7	3.1	6.2
105°	21.7	18.6	43.4	68.3	21.7	6.2	15.5	21.7	9.3	3.1	3.1
107.5°	21.7	21.7	15.5	34.1	9.3	6.2	6.2	9.3	6.2	3.1	3.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	31.0	27.9	6.2	9.3	9.3	6.2	3.1	3.1	6.2	21.7	24.8
115°	27.9	24.8	9.3	9.3	6.2	6.2	3.1	3.1	6.2	24.8	27.9
117.5°	21.7	21.7	9.3	6.2	6.2	6.2	3.1	3.1	6.2	24.8	24.8
120°	24.8	21.7	9.3	6.2	3.1	3.1	3.1	3.1	6.2	18.6	18.6
122.5°	24.8	21.7	9.3	6.2	3.1	3.1	3.1	3.1	6.2	18.6	21.7
125°	21.7	18.6	9.3	6.2	3.1	3.1	3.1	3.1	9.3	18.6	18.6
127.5°	18.6	15.5	6.2	3.1	3.1	3.1	3.1	3.1	9.3	15.5	15.5
130°	12.4	12.4	6.2	3.1	3.1	3.1	3.1	3.1	9.3	12.4	12.4
132.5°	9.3	9.3	6.2	3.1	3.1	3.1	3.1	3.1	6.2	12.4	12.4
135°	9.3	6.2	6.2	3.1	3.1	3.1	3.1	3.1	6.2	9.3	9.3
137.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2
140°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1
142.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1
145°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1
150°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
152.5°	3.1	3.1	6.2	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
155°	9.3	9.3	9.3	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
157.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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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110°	21.7	21.7	9.3	9.3	6.2	3.1	3.1	3.1	6.2	9.3	21.7
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110°	24.8	21.7	6.2	9.3	6.2	6.2	6.2	6.2	3.1	15.5	18.6
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(END OF REPORT)