

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: P560939

Luminaire Tested: **SDL-PA1-70-750-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560939
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-750-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5928.1 lumens
Efficiency: N/A
Efficacy: 82.1 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 - U3 - G2

Input Watts (W): 72.2
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

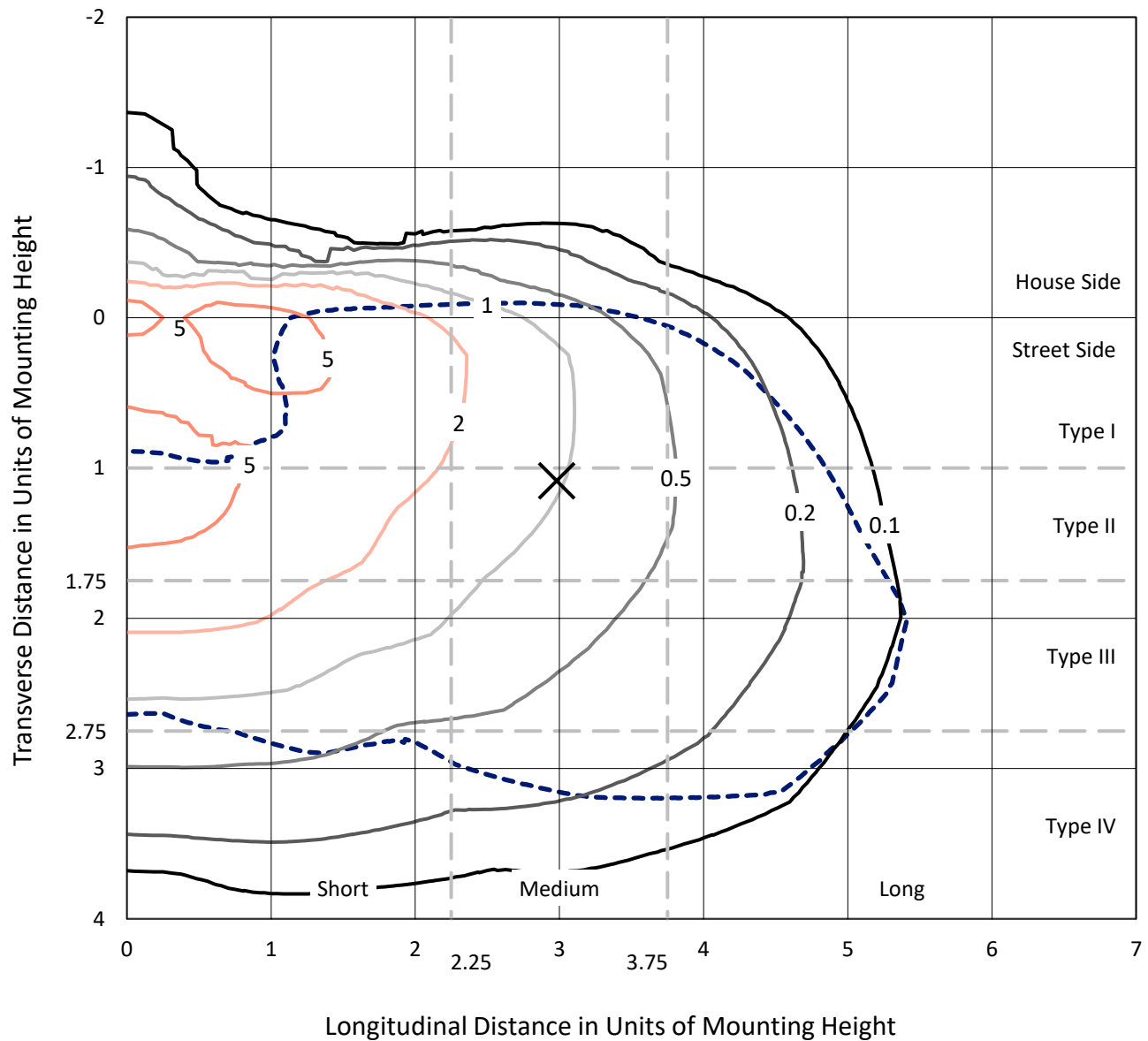


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Iso-Footcandle Lines of Horizontal Illumination

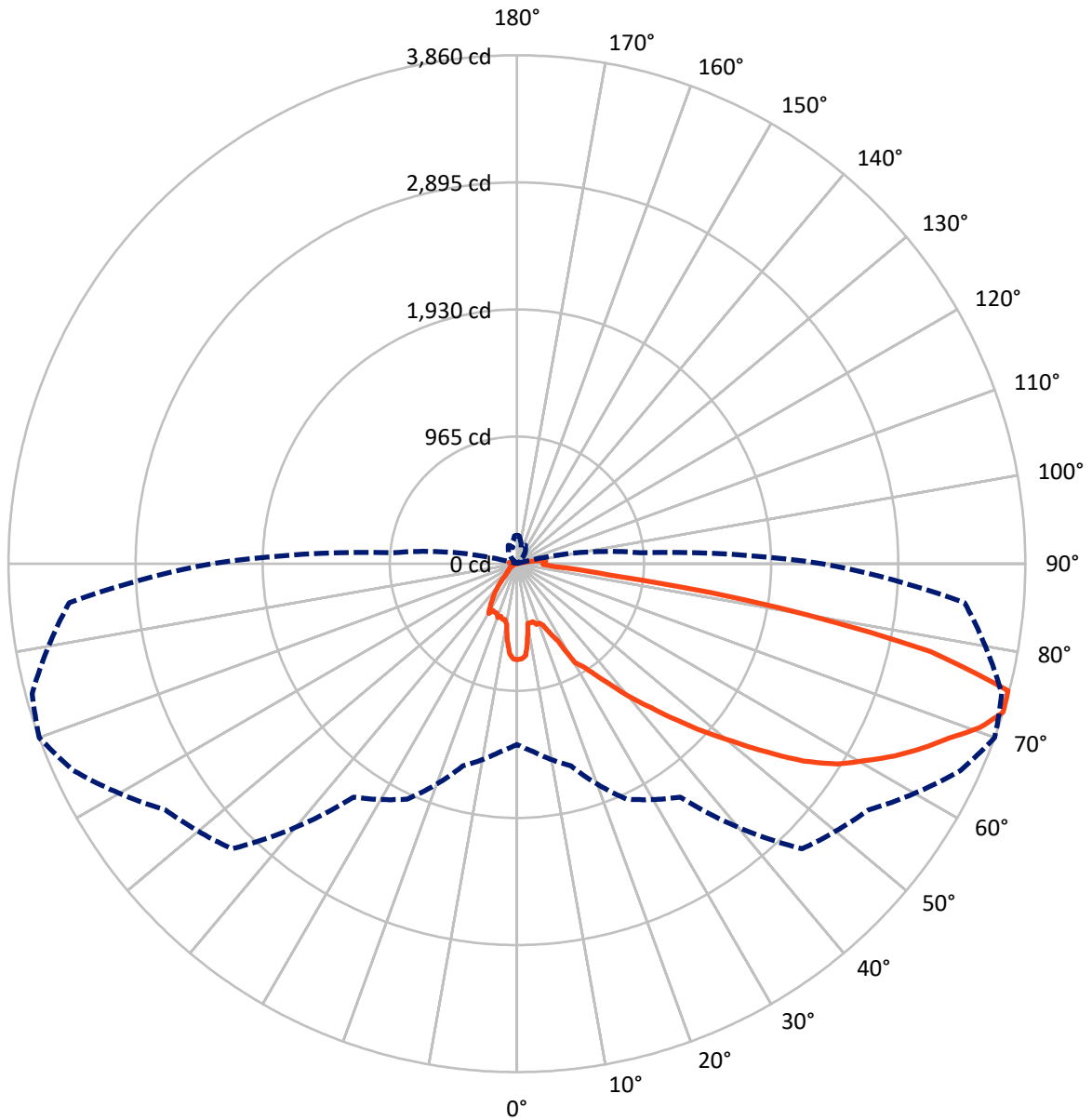
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 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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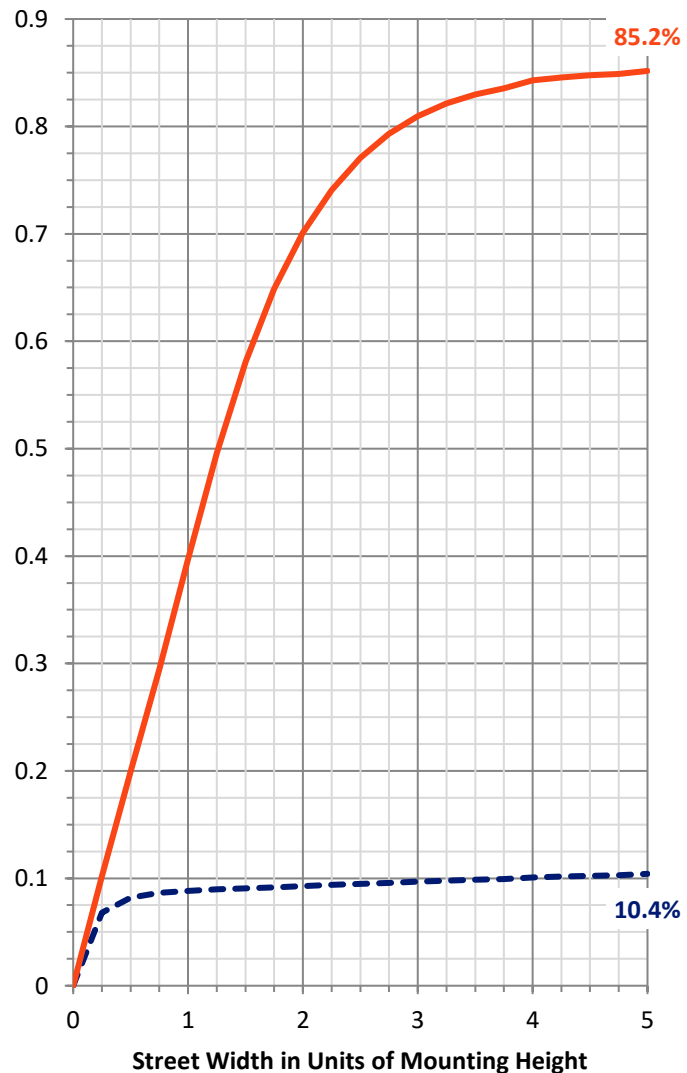
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	679.5	95.6	775.2
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	5075.6	77.4	5152.9
	% Fixture	85.6	1.3	86.9
Total	Lumens	5755.1	173.0	5928.1
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	0.9
10°-20°	111.0	1.9
20°-30°	179.8	3.0
30°-40°	384.2	6.5
40°-50°	755.4	12.7
50°-60°	1261.4	21.3
60°-70°	1565.6	26.4
70°-80°	1205.7	20.3
80°-90°	235.8	4.0
90°-100°	127.9	2.2
100°-110°	26.5	0.4
110°-120°	7.5	0.1
120°-130°	5.8	0.1
130°-140°	2.7	0.0
140°-150°	1.3	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5755.1	97.1
0°-180°	5928.1	100.0



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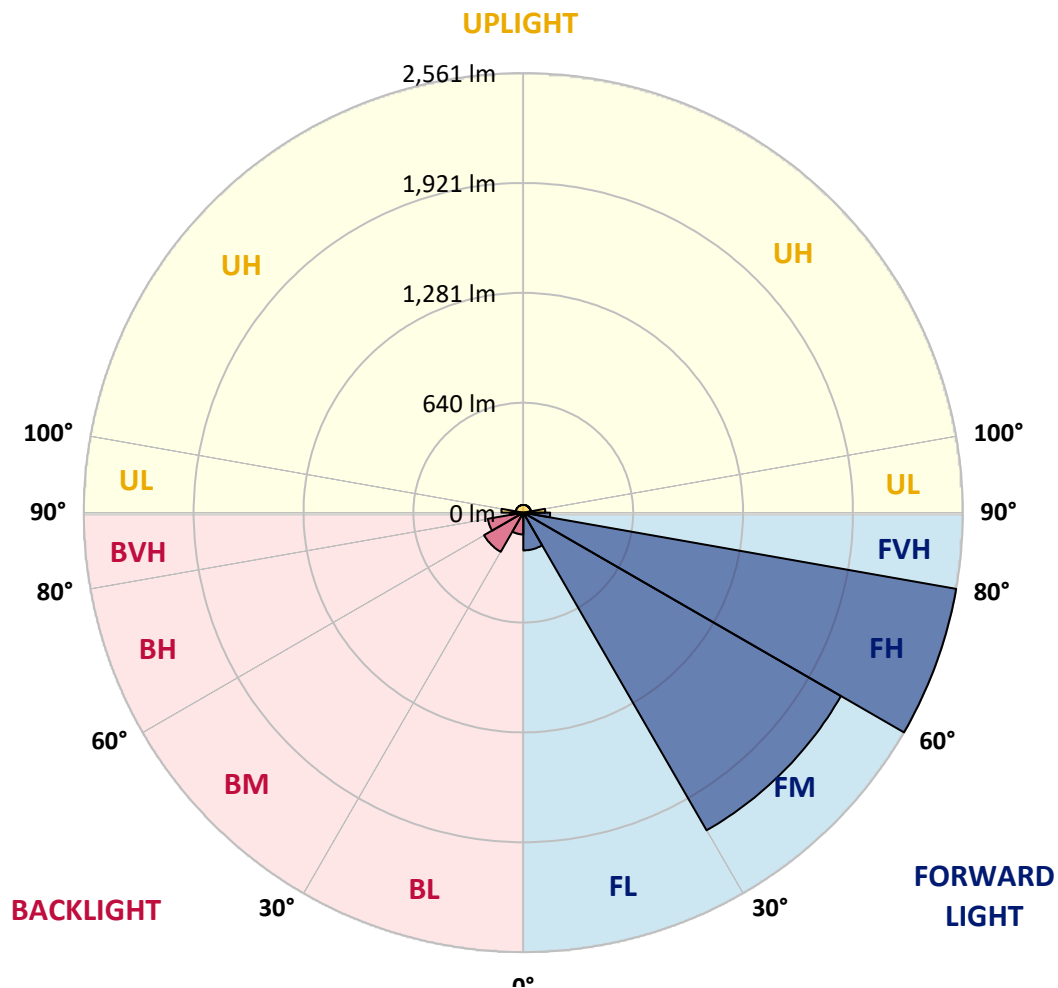
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	219.9	3.7			
FM	(30°-60°)	2137.5	36.1			
FH	(60°-80°)	2561.3	43.2			G2/5000
FVH	(80°-90°)	156.9	2.6			G2/225
BL	(0°-30°)	127.1	2.1	B1/500		
BM	(30°-60°)	263.5	4.4	B1/1000		
BH	(60°-80°)	210.0	3.5	B1/500		G1/500
BVH	(80°-90°)	78.9	1.3			G1/100
UL	(90°-100°)	127.9	2.2		U3/500	
UH	(100°-180°)	45.1	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1
2.5°	614.0	681.9	685.0	691.1	697.3	706.5	722.0	722.0	722.0	722.0	725.1
5°	583.1	583.1	583.1	589.3	589.3	595.5	598.6	691.1	700.4	709.6	709.6
7.5°	484.4	530.7	533.8	552.3	573.9	583.1	589.3	583.1	573.9	610.9	626.3
10°	530.7	530.7	530.7	536.9	506.0	490.6	453.5	456.6	459.7	487.5	555.4
12.5°	441.2	469.0	496.7	527.6	487.5	438.1	428.9	453.5	459.7	410.4	487.5
15°	515.3	512.2	512.2	484.4	404.2	438.1	382.6	404.2	456.6	499.8	580.0
17.5°	425.8	413.4	481.3	475.1	432.0	345.6	441.2	438.1	484.4	447.4	499.8
20°	506.0	502.9	502.9	388.8	428.9	465.9	459.7	428.9	481.3	536.9	632.5
22.5°	425.8	419.6	432.0	465.9	425.8	481.3	419.6	530.7	506.0	490.6	459.7
25°	536.9	533.8	533.8	425.8	481.3	441.2	530.7	484.4	586.2	638.7	697.3
27.5°	481.3	481.3	459.7	493.7	459.7	555.4	509.1	610.9	663.4	697.3	842.3
30°	666.4	669.5	632.5	490.6	512.2	521.4	601.6	755.9	870.1	953.4	1042.9
32.5°	959.6	941.0	786.8	669.5	543.0	644.8	666.4	879.3	934.9	1024.3	1101.5
35°	1305.1	1295.9	1160.1	867.0	654.1	691.1	743.6	956.5	1042.9	1132.3	1178.6
37.5°	1542.7	1533.4	1447.0	1104.6	789.9	805.3	811.5	1064.5	1175.5	1265.0	1286.6
40°	1737.1	1721.6	1669.2	1289.7	971.9	941.0	910.2	1212.6	1339.1	1413.1	1422.4
42.5°	2030.2	2005.5	1872.8	1502.6	1157.0	1123.1	1018.2	1342.1	1493.3	1592.1	1598.2
45°	2381.9	2360.3	2175.2	1798.8	1354.5	1345.2	1209.5	1508.7	1687.7	1804.9	1771.0
47.5°	2622.6	2563.9	2459.0	2082.6	1659.9	1579.7	1422.4	1678.4	1897.5	2073.4	1977.7
50°	2841.6	2798.4	2709.0	2397.3	1990.1	1882.1	1644.5	1872.8	2119.6	2280.1	2150.5
52.5°	3045.3	2980.5	2906.4	2631.8	2273.9	2221.5	1863.6	2067.2	2375.7	2508.4	2329.5
55°	3147.1	3045.3	3032.9	2844.7	2493.0	2449.8	2110.4	2307.9	2644.2	2736.7	2499.2
57.5°	2980.5	2977.4	3073.0	2974.3	2671.9	2650.3	2360.3	2567.0	2869.4	2912.6	2665.8
60°	2869.4	2872.5	3017.5	3023.7	2829.3	2841.6	2585.5	2866.3	3036.0	3063.8	2823.1
62.5°	2675.0	2696.6	2915.7	3057.6	2869.4	3023.7	2776.8	3073.0	3215.0	3224.2	3017.5
65°	2431.3	2452.9	2675.0	2965.0	2826.2	3144.0	2937.3	3304.4	3378.5	3384.7	3230.4
67.5°	2147.4	2156.7	2403.5	2724.4	2721.3	3187.2	3036.0	3458.7	3535.8	3554.3	3412.4
70°	1832.7	1820.4	2045.6	2415.8	2496.1	3165.6	3156.3	3609.9	3727.1	3724.0	3538.9
72.5°	1373.0	1431.6	1589.0	1971.6	2162.8	3060.7	3258.2	3714.8	3859.8	3810.4	3412.4
75°	469.0	499.8	925.6	1255.7	1666.1	2779.9	3279.7	3721.0	3850.5	3631.5	2792.3
77.5°	154.3	145.0	206.7	499.8	925.6	1925.3	2884.8	3245.8	3211.9	2823.1	1715.5
80°	74.0	77.1	92.6	175.9	339.4	873.2	1811.1	2054.9	2008.6	1481.0	743.6
82.5°	49.4	52.5	61.7	101.8	191.3	299.3	962.6	938.0	709.6	465.9	305.5
85°	21.6	21.6	30.9	52.5	117.2	197.5	367.2	320.9	290.0	268.4	249.9
87.5°	6.2	6.2	12.3	18.5	40.1	123.4	206.7	194.4	200.5	209.8	237.6
90°	6.2	6.2	6.2	6.2	30.9	129.6	209.8	197.5	197.5	209.8	249.9
92.5°	9.3	9.3	6.2	6.2	27.8	129.6	219.1	188.2	200.5	212.9	268.4
95°	9.3	12.3	6.2	3.1	21.6	132.7	225.2	200.5	219.1	216.0	286.9
97.5°	12.3	12.3	6.2	3.1	12.3	114.2	228.3	163.5	166.6	154.3	225.2
100°	15.4	15.4	6.2	6.2	9.3	58.6	169.7	104.9	64.8	49.4	74.0
102.5°	18.5	18.5	6.2	6.2	6.2	21.6	77.1	61.7	33.9	9.3	18.5
105°	18.5	21.6	6.2	6.2	3.1	9.3	33.9	24.7	12.3	9.3	18.5
107.5°	21.6	21.6	6.2	6.2	3.1	6.2	9.3	9.3	6.2	9.3	18.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	15.4	15.4	6.2	9.3	3.1	3.1	3.1	6.2	6.2	9.3	18.5
115°	9.3	6.2	3.1	6.2	3.1	3.1	3.1	6.2	6.2	6.2	15.4
117.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	9.3	18.5
120°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	12.3	21.6
122.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	12.3	24.7
125°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	9.3	21.6
127.5°	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	6.2	9.3	18.5
130°	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1	6.2	12.3
132.5°	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1	6.2	12.3
135°	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	6.2
137.5°	3.1	3.1	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
140°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	0.0	0.0	0.0	0.0	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°	6.2	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
152.5°	6.2	6.2	6.2	3.1	3.1	3.1	3.1	6.2	6.2	3.1	3.1
155°	3.1	3.1	3.1	0.0	0.0	3.1	3.1	3.1	3.1	6.2	6.2
157.5°	0.0	3.1	3.1	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1
160°	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1
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°	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1
2.5°	725.1	725.1	722.0	728.1	725.1	725.1	685.0	644.8	635.6	638.7	644.8
5°	712.7	712.7	712.7	663.4	607.8	589.3	595.5	595.5	595.5	592.4	598.6
7.5°	629.4	626.3	617.1	561.5	586.2	583.1	580.0	573.9	499.8	481.3	481.3
10°	558.5	558.5	478.2	456.6	456.6	475.1	487.5	469.0	459.7	444.3	441.2
12.5°	490.6	490.6	410.4	456.6	385.7	382.6	373.3	342.5	290.0	253.0	256.1
15°	583.1	583.1	484.4	388.8	324.0	305.5	191.3	179.0	172.8	169.7	166.6
17.5°	496.7	499.8	447.4	385.7	302.4	160.4	135.8	135.8	135.8	129.6	117.2
20°	629.4	629.4	521.4	345.6	228.3	126.5	104.9	92.6	126.5	126.5	126.5
22.5°	456.6	450.5	459.7	351.7	141.9	101.8	86.4	108.0	114.2	95.6	95.6
25°	691.1	681.9	558.5	253.0	117.2	80.2	95.6	83.3	108.0	108.0	108.0
27.5°	851.6	789.9	567.7	231.4	86.4	92.6	77.1	92.6	83.3	80.2	80.2
30°	1024.3	996.6	685.0	182.0	83.3	77.1	80.2	74.0	86.4	80.2	80.2
32.5°	1079.9	1052.1	620.2	141.9	80.2	74.0	67.9	71.0	67.9	71.0	71.0
35°	1150.8	1123.1	549.2	108.0	74.0	64.8	61.7	61.7	58.6	55.5	55.5
37.5°	1252.7	1206.4	469.0	92.6	67.9	58.6	49.4	46.3	49.4	61.7	64.8
40°	1369.9	1292.8	370.2	83.3	58.6	49.4	37.0	43.2	52.5	52.5	52.5
42.5°	1539.6	1397.7	274.6	77.1	52.5	40.1	27.8	33.9	40.1	55.5	55.5
45°	1687.7	1459.4	194.4	71.0	43.2	30.9	21.6	33.9	43.2	49.4	49.4
47.5°	1860.5	1518.0	145.0	67.9	40.1	21.6	24.7	33.9	33.9	52.5	52.5
50°	2005.5	1530.3	117.2	61.7	30.9	15.4	30.9	30.9	37.0	46.3	46.3
52.5°	2141.2	1542.7	104.9	55.5	24.7	12.3	30.9	30.9	43.2	55.5	55.5
55°	2230.7	1505.7	95.6	49.4	21.6	9.3	33.9	33.9	33.9	43.2	43.2
57.5°	2301.7	1459.4	89.5	43.2	18.5	18.5	37.0	43.2	37.0	43.2	43.2
60°	2348.0	1376.1	77.1	40.1	15.4	18.5	46.3	55.5	43.2	64.8	64.8
62.5°	2431.3	1311.3	67.9	37.0	12.3	18.5	46.3	71.0	55.5	86.4	89.5
65°	2499.2	1252.7	58.6	27.8	12.3	24.7	52.5	89.5	67.9	108.0	111.1
67.5°	2526.9	1181.7	49.4	24.7	12.3	27.8	67.9	111.1	86.4	126.5	126.5
70°	2505.3	1107.6	40.1	24.7	12.3	43.2	89.5	129.6	104.9	154.3	157.4
72.5°	2317.1	944.1	30.9	24.7	9.3	46.3	111.1	154.3	126.5	209.8	216.0
75°	1774.1	598.6	30.9	24.7	12.3	52.5	129.6	179.0	151.2	234.5	243.7
77.5°	1083.0	277.7	30.9	27.8	15.4	64.8	141.9	206.7	166.6	253.0	259.2
80°	481.3	172.8	30.9	30.9	30.9	80.2	166.6	228.3	188.2	268.4	277.7
82.5°	240.7	129.6	27.8	30.9	46.3	95.6	197.5	243.7	194.4	277.7	280.8
85°	206.7	117.2	27.8	33.9	49.4	111.1	212.9	246.8	203.6	274.6	277.7
87.5°	197.5	111.1	33.9	33.9	55.5	117.2	219.1	259.2	209.8	265.3	262.3
90°	206.7	108.0	37.0	40.1	71.0	120.3	222.1	253.0	209.8	249.9	249.9
92.5°	212.9	104.9	40.1	46.3	86.4	135.8	219.1	246.8	209.8	231.4	231.4
95°	219.1	104.9	46.3	52.5	86.4	148.1	209.8	225.2	194.4	206.7	203.6
97.5°	166.6	77.1	55.5	58.6	80.2	114.2	169.7	175.9	126.5	123.4	120.3
100°	58.6	33.9	55.5	64.8	49.4	49.4	101.8	123.4	74.0	46.3	52.5
102.5°	18.5	15.4	49.4	64.8	40.1	18.5	52.5	77.1	55.5	6.2	6.2
105°	18.5	18.5	27.8	52.5	27.8	6.2	18.5	43.2	33.9	6.2	6.2
107.5°	18.5	15.4	12.3	30.9	9.3	6.2	9.3	9.3	9.3	3.1	6.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.6	15.4	6.2	9.3	6.2	6.2	6.2	3.1	6.2	15.4	18.5
115°	18.5	15.4	6.2	6.2	6.2	6.2	3.1	3.1	6.2	18.5	18.5
117.5°	21.6	18.5	6.2	6.2	3.1	6.2	3.1	3.1	6.2	18.5	21.6
120°	24.7	21.6	6.2	6.2	3.1	3.1	3.1	3.1	6.2	15.4	18.5
122.5°	24.7	24.7	6.2	3.1	3.1	3.1	3.1	3.1	9.3	15.4	15.4
125°	21.6	21.6	6.2	3.1	3.1	3.1	3.1	3.1	9.3	15.4	15.4
127.5°	18.5	18.5	6.2	3.1	3.1	3.1	3.1	3.1	6.2	12.3	15.4
130°	15.4	15.4	6.2	3.1	3.1	3.1	0.0	3.1	6.2	12.3	12.3
132.5°	12.3	9.3	6.2	3.1	3.1	3.1	0.0	3.1	6.2	9.3	12.3
135°	9.3	9.3	3.1	3.1	3.1	3.1	0.0	0.0	6.2	6.2	9.3
137.5°	6.2	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	6.2	6.2
140°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
142.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
145°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
147.5°	3.1	3.1	3.1	3.1	3.1	0.0	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	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1
155°	6.2	6.2	6.2	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°	3.1	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°	21.6	21.6	9.3	6.2	3.1	6.2	3.1	6.2	6.2	9.3	21.6
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110°	21.6	15.4	6.2	9.3	6.2	6.2	6.2	6.2	6.2	12.3	12.3
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(END OF REPORT)