

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: P561071

Luminaire Tested: **SDL-PA1-80-730-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561071
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-PA1-80-730-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 1050mA 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: 5926.7 lumens
Efficiency: N/A
Efficacy: 72.3 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): 82
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

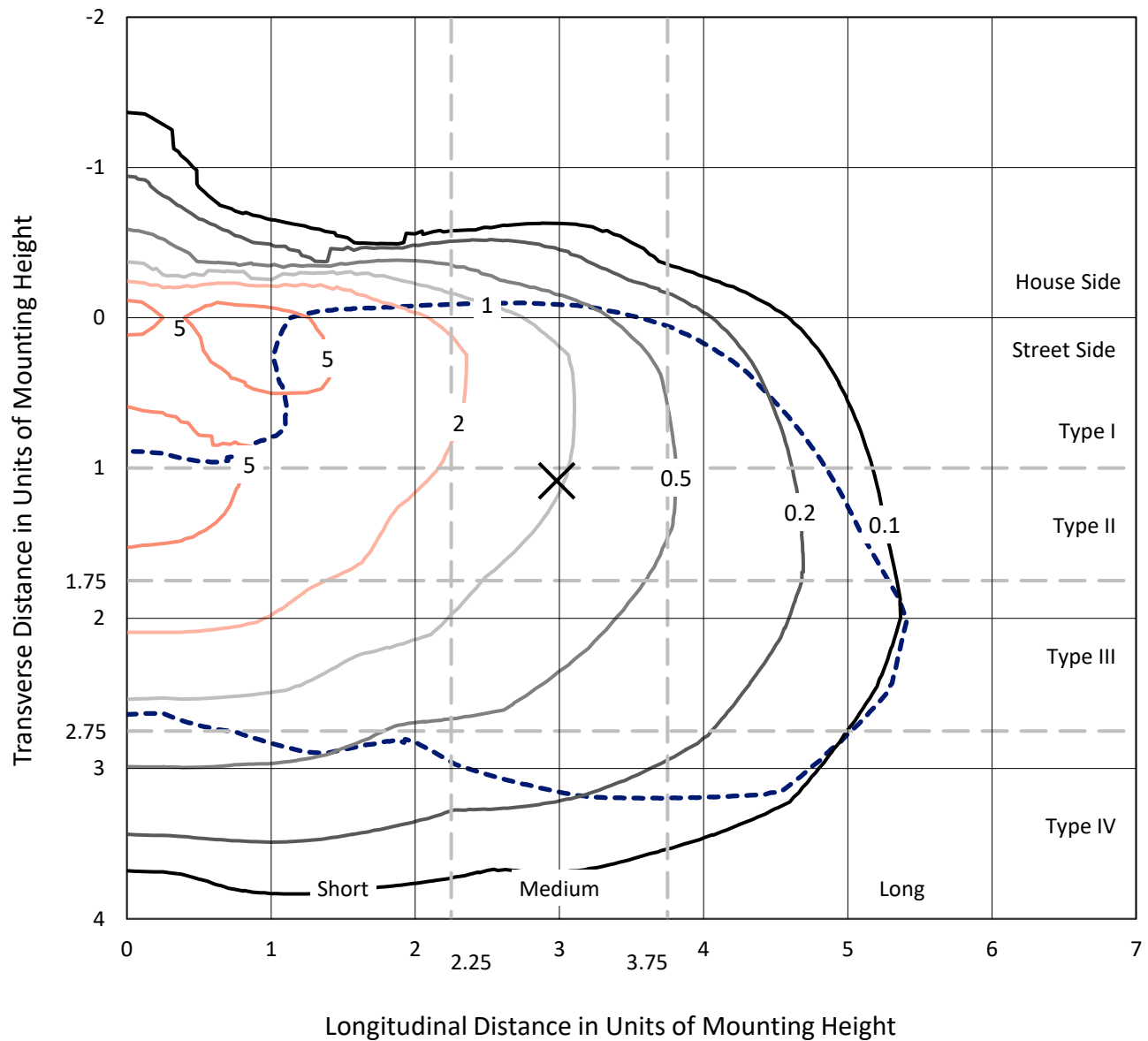


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Iso-Footcandle Lines of Horizontal Illumination

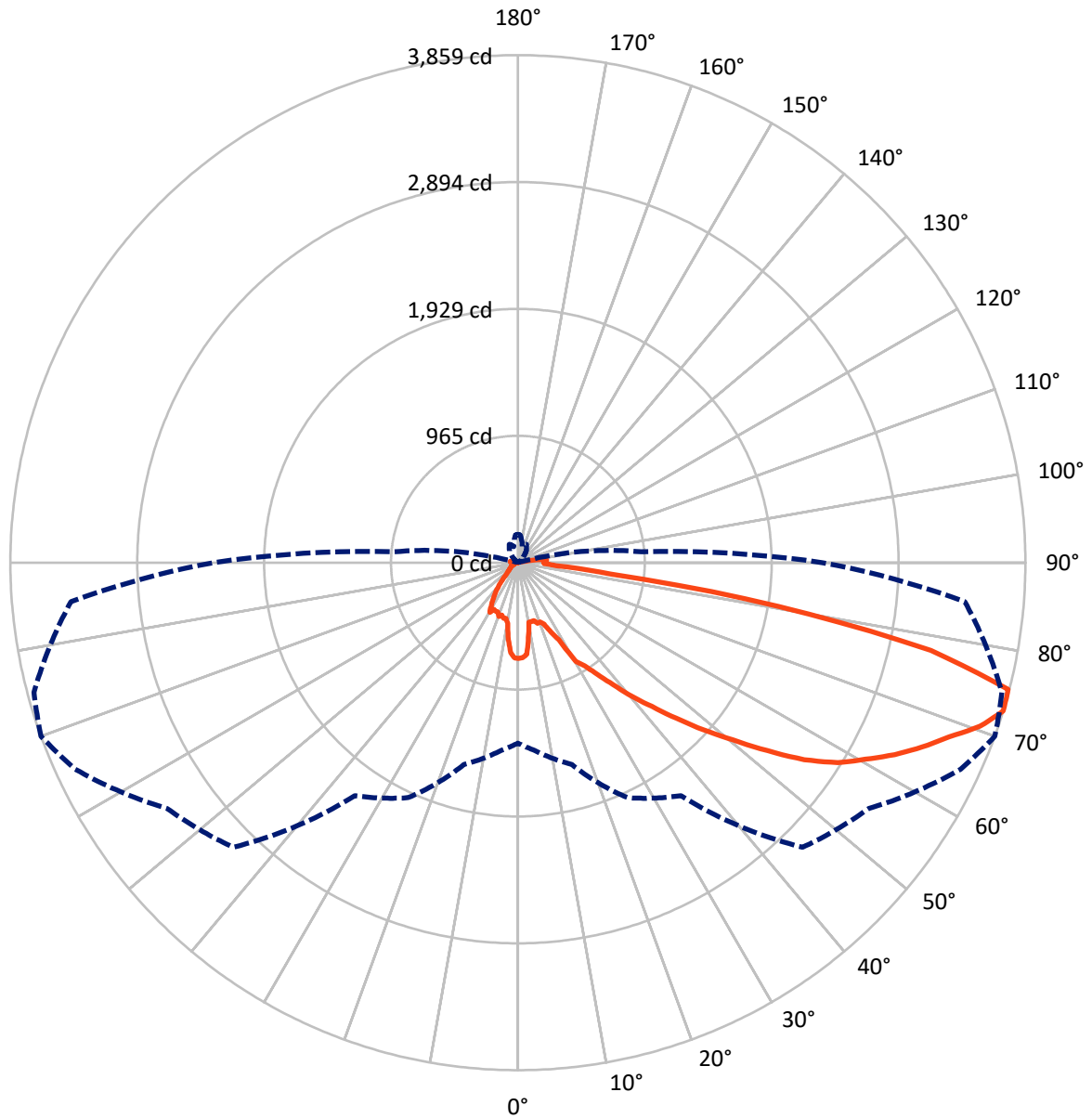
✕ Max cd
 - - - 1/2 Max cd



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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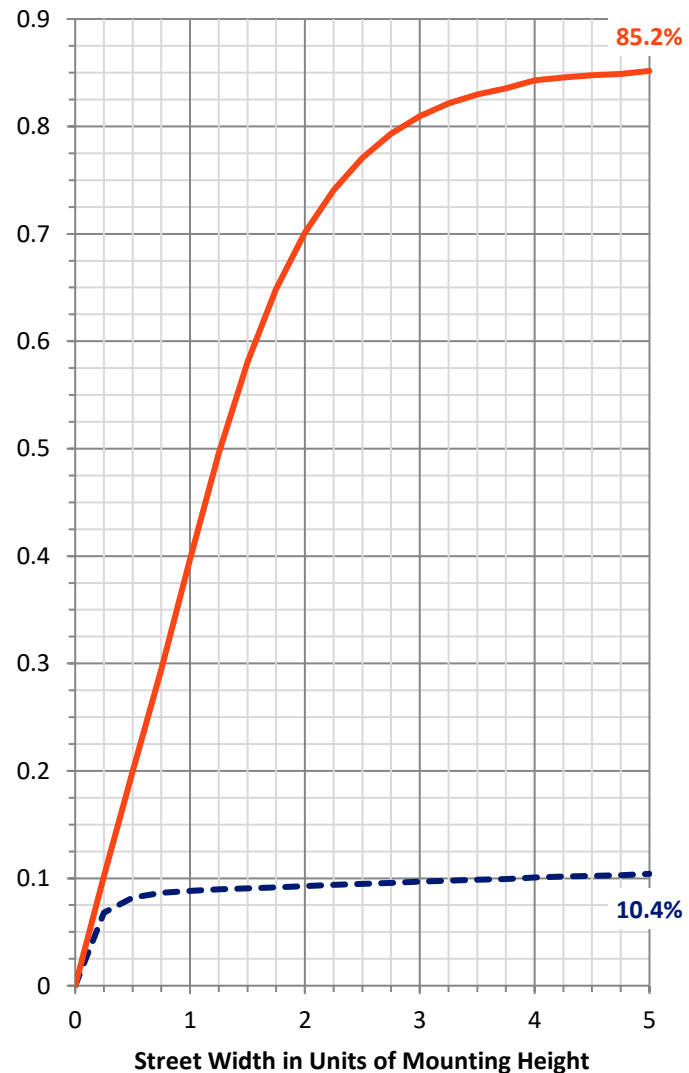
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	679.4	95.6	775.0
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	5074.4	77.4	5151.8
	% Fixture	85.6	1.3	86.9
Total	Lumens	5753.7	173.0	5926.7
	% 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°	755.2	12.7
50°-60°	1261.1	21.3
60°-70°	1565.2	26.4
70°-80°	1205.4	20.3
80°-90°	235.7	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°	5753.7	97.1
0°-180°	5926.7	100.0



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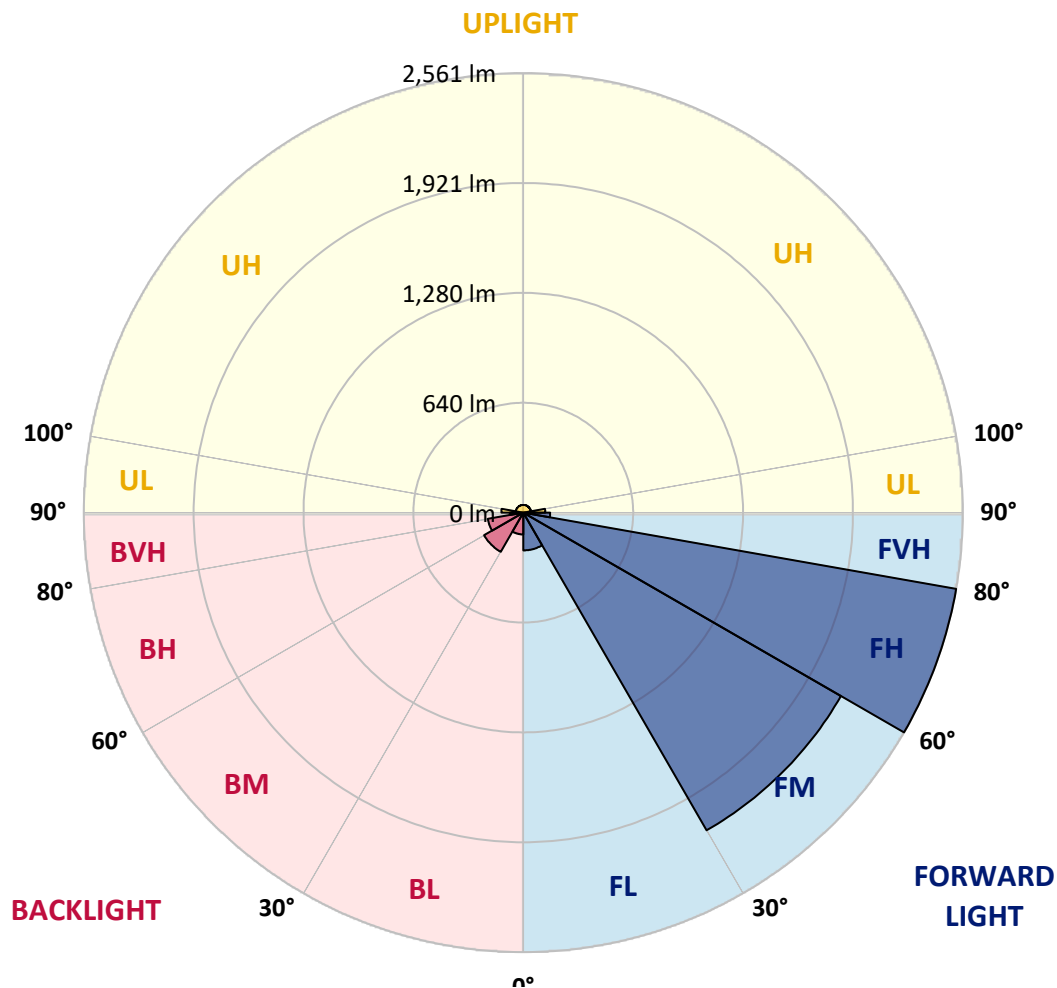
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	219.8	3.7			
FM	(30°-60°)	2137.0	36.1			
FH	(60°-80°)	2560.7	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°)	263.4	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°	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0
2.5°	613.8	681.7	684.8	691.0	697.1	706.4	721.8	721.8	721.8	721.8	724.9
5°	583.0	583.0	583.0	589.2	589.2	595.3	598.4	691.0	700.2	709.5	709.5
7.5°	484.3	530.6	533.6	552.2	573.7	583.0	589.2	583.0	573.7	610.8	626.2
10°	530.6	530.6	530.6	536.7	505.9	490.5	453.4	456.5	459.6	487.4	555.2
12.5°	441.1	468.9	496.6	527.5	487.4	438.0	428.8	453.4	459.6	410.3	487.4
15°	515.1	512.1	512.1	484.3	404.1	438.0	382.5	404.1	456.5	499.7	579.9
17.5°	425.7	413.3	481.2	475.0	431.9	345.5	441.1	438.0	484.3	447.3	499.7
20°	505.9	502.8	502.8	388.7	428.8	465.8	459.6	428.8	481.2	536.7	632.4
22.5°	425.7	419.5	431.9	465.8	425.7	481.2	419.5	530.6	505.9	490.5	459.6
25°	536.7	533.6	533.6	425.7	481.2	441.1	530.6	484.3	586.1	638.5	697.1
27.5°	481.2	481.2	459.6	493.5	459.6	555.2	509.0	610.8	663.2	697.1	842.1
30°	666.3	669.4	632.4	490.5	512.1	521.3	601.5	755.7	869.9	953.2	1042.6
32.5°	959.3	940.8	786.6	669.4	542.9	644.7	666.3	879.1	934.7	1024.1	1101.2
35°	1304.8	1295.6	1159.8	866.8	653.9	691.0	743.4	956.2	1042.6	1132.1	1178.3
37.5°	1542.3	1533.1	1446.7	1104.3	789.7	805.1	811.3	1064.2	1175.3	1264.7	1286.3
40°	1736.7	1721.2	1668.8	1289.4	971.7	940.8	910.0	1212.3	1338.7	1412.8	1422.0
42.5°	2029.7	2005.0	1872.4	1502.2	1156.7	1122.8	1017.9	1341.8	1493.0	1591.7	1597.9
45°	2381.4	2359.8	2174.7	1798.4	1354.2	1344.9	1209.2	1508.4	1687.3	1804.5	1770.6
47.5°	2622.0	2563.4	2458.5	2082.1	1659.5	1579.3	1422.0	1678.1	1897.1	2072.9	1977.3
50°	2841.0	2797.8	2708.3	2396.8	1989.6	1881.6	1644.1	1872.4	2119.2	2279.6	2150.0
52.5°	3044.6	2979.8	2905.8	2631.2	2273.4	2221.0	1863.1	2066.7	2375.2	2507.8	2328.9
55°	3146.4	3044.6	3032.2	2844.1	2492.4	2449.2	2109.9	2307.3	2643.6	2736.1	2498.6
57.5°	2979.8	2976.7	3072.3	2973.6	2671.3	2649.7	2359.8	2566.4	2868.7	2911.9	2665.1
60°	2868.7	2871.8	3016.8	3023.0	2828.6	2841.0	2584.9	2865.7	3035.3	3063.1	2822.5
62.5°	2674.4	2696.0	2915.0	3056.9	2868.7	3023.0	2776.2	3072.3	3214.2	3223.5	3016.8
65°	2430.7	2452.3	2674.4	2964.4	2825.5	3143.3	2936.6	3303.7	3377.7	3383.9	3229.6
67.5°	2146.9	2156.2	2403.0	2723.8	2720.7	3186.5	3035.3	3457.9	3535.0	3553.5	3411.6
70°	1832.3	1820.0	2045.1	2415.3	2495.5	3164.9	3155.6	3609.1	3726.3	3723.2	3538.1
72.5°	1372.7	1431.3	1588.6	1971.1	2162.3	3060.0	3257.4	3713.9	3858.9	3809.6	3411.6
75°	468.9	499.7	925.4	1255.5	1665.7	2779.3	3279.0	3720.1	3849.7	3630.6	2791.6
77.5°	154.2	145.0	206.7	499.7	925.4	1924.8	2884.2	3245.1	3211.1	2822.5	1715.1
80°	74.0	77.1	92.5	175.8	339.3	873.0	1810.7	2054.4	2008.1	1480.6	743.4
82.5°	49.4	52.4	61.7	101.8	191.2	299.2	962.4	937.7	709.5	465.8	305.4
85°	21.6	21.6	30.8	52.4	117.2	197.4	367.1	320.8	290.0	268.4	249.9
87.5°	6.2	6.2	12.3	18.5	40.1	123.4	206.7	194.3	200.5	209.8	237.5
90°	6.2	6.2	6.2	6.2	30.8	129.6	209.8	197.4	197.4	209.8	249.9
92.5°	9.3	9.3	6.2	6.2	27.8	129.6	219.0	188.2	200.5	212.8	268.4
95°	9.3	12.3	6.2	3.1	21.6	132.6	225.2	200.5	219.0	215.9	286.9
97.5°	12.3	12.3	6.2	3.1	12.3	114.1	228.3	163.5	166.6	154.2	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°	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0
2.5°	724.9	724.9	721.8	728.0	724.9	724.9	684.8	644.7	635.4	638.5	644.7
5°	712.6	712.6	712.6	663.2	607.7	589.2	595.3	595.3	595.3	592.3	598.4
7.5°	629.3	626.2	616.9	561.4	586.1	583.0	579.9	573.7	499.7	481.2	481.2
10°	558.3	558.3	478.1	456.5	456.5	475.0	487.4	468.9	459.6	444.2	441.1
12.5°	490.5	490.5	410.3	456.5	385.6	382.5	373.2	342.4	290.0	252.9	256.0
15°	583.0	583.0	484.3	388.7	323.9	305.4	191.2	178.9	172.7	169.7	166.6
17.5°	496.6	499.7	447.3	385.6	302.3	160.4	135.7	135.7	135.7	129.6	117.2
20°	629.3	629.3	521.3	345.5	228.3	126.5	104.9	92.5	126.5	126.5	126.5
22.5°	456.5	450.4	459.6	351.7	141.9	101.8	86.4	108.0	114.1	95.6	95.6
25°	691.0	681.7	558.3	252.9	117.2	80.2	95.6	83.3	108.0	108.0	108.0
27.5°	851.4	789.7	567.6	231.3	86.4	92.5	77.1	92.5	83.3	80.2	80.2
30°	1024.1	996.3	684.8	182.0	83.3	77.1	80.2	74.0	86.4	80.2	80.2
32.5°	1079.6	1051.9	620.0	141.9	80.2	74.0	67.9	70.9	67.9	70.9	70.9
35°	1150.6	1122.8	549.1	108.0	74.0	64.8	61.7	61.7	58.6	55.5	55.5
37.5°	1252.4	1206.1	468.9	92.5	67.9	58.6	49.4	46.3	49.4	61.7	64.8
40°	1369.6	1292.5	370.2	83.3	58.6	49.4	37.0	43.2	52.4	52.4	52.4
42.5°	1539.2	1397.4	274.5	77.1	52.4	40.1	27.8	33.9	40.1	55.5	55.5
45°	1687.3	1459.0	194.3	70.9	43.2	30.8	21.6	33.9	43.2	49.4	49.4
47.5°	1860.1	1517.7	145.0	67.9	40.1	21.6	24.7	33.9	33.9	52.4	52.4
50°	2005.0	1530.0	117.2	61.7	30.8	15.4	30.8	30.8	37.0	46.3	46.3
52.5°	2140.8	1542.3	104.9	55.5	24.7	12.3	30.8	30.8	43.2	55.5	55.5
55°	2230.2	1505.3	95.6	49.4	21.6	9.3	33.9	33.9	33.9	43.2	43.2
57.5°	2301.2	1459.0	89.5	43.2	18.5	18.5	37.0	43.2	37.0	43.2	43.2
60°	2347.4	1375.8	77.1	40.1	15.4	18.5	46.3	55.5	43.2	64.8	64.8
62.5°	2430.7	1311.0	67.9	37.0	12.3	18.5	46.3	70.9	55.5	86.4	89.5
65°	2498.6	1252.4	58.6	27.8	12.3	24.7	52.4	89.5	67.9	108.0	111.0
67.5°	2526.3	1181.4	49.4	24.7	12.3	27.8	67.9	111.0	86.4	126.5	126.5
70°	2504.7	1107.4	40.1	24.7	12.3	43.2	89.5	129.6	104.9	154.2	157.3
72.5°	2316.6	943.9	30.8	24.7	9.3	46.3	111.0	154.2	126.5	209.8	215.9
75°	1773.7	598.4	30.8	24.7	12.3	52.4	129.6	178.9	151.1	234.4	243.7
77.5°	1082.7	277.6	30.8	27.8	15.4	64.8	141.9	206.7	166.6	252.9	259.1
80°	481.2	172.7	30.8	30.8	30.8	80.2	166.6	228.3	188.2	268.4	277.6
82.5°	240.6	129.6	27.8	30.8	46.3	95.6	197.4	243.7	194.3	277.6	280.7
85°	206.7	117.2	27.8	33.9	49.4	111.0	212.8	246.8	203.6	274.5	277.6
87.5°	197.4	111.0	33.9	33.9	55.5	117.2	219.0	259.1	209.8	265.3	262.2
90°	206.7	108.0	37.0	40.1	70.9	120.3	222.1	252.9	209.8	249.9	249.9
92.5°	212.8	104.9	40.1	46.3	86.4	135.7	219.0	246.8	209.8	231.3	231.3
95°	219.0	104.9	46.3	52.4	86.4	148.1	209.8	225.2	194.3	206.7	203.6
97.5°	166.6	77.1	55.5	58.6	80.2	114.1	169.7	175.8	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	52.4
102.5°	18.5	15.4	49.4	64.8	40.1	18.5	52.4	77.1	55.5	6.2	6.2
105°	18.5	18.5	27.8	52.4	27.8	6.2	18.5	43.2	33.9	6.2	6.2
107.5°	18.5	15.4	12.3	30.8	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)