

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: P560913

Luminaire Tested: **SDL-PA1-70-740-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560913
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-PA1-70-740-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 930mA 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: 5777 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 - 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



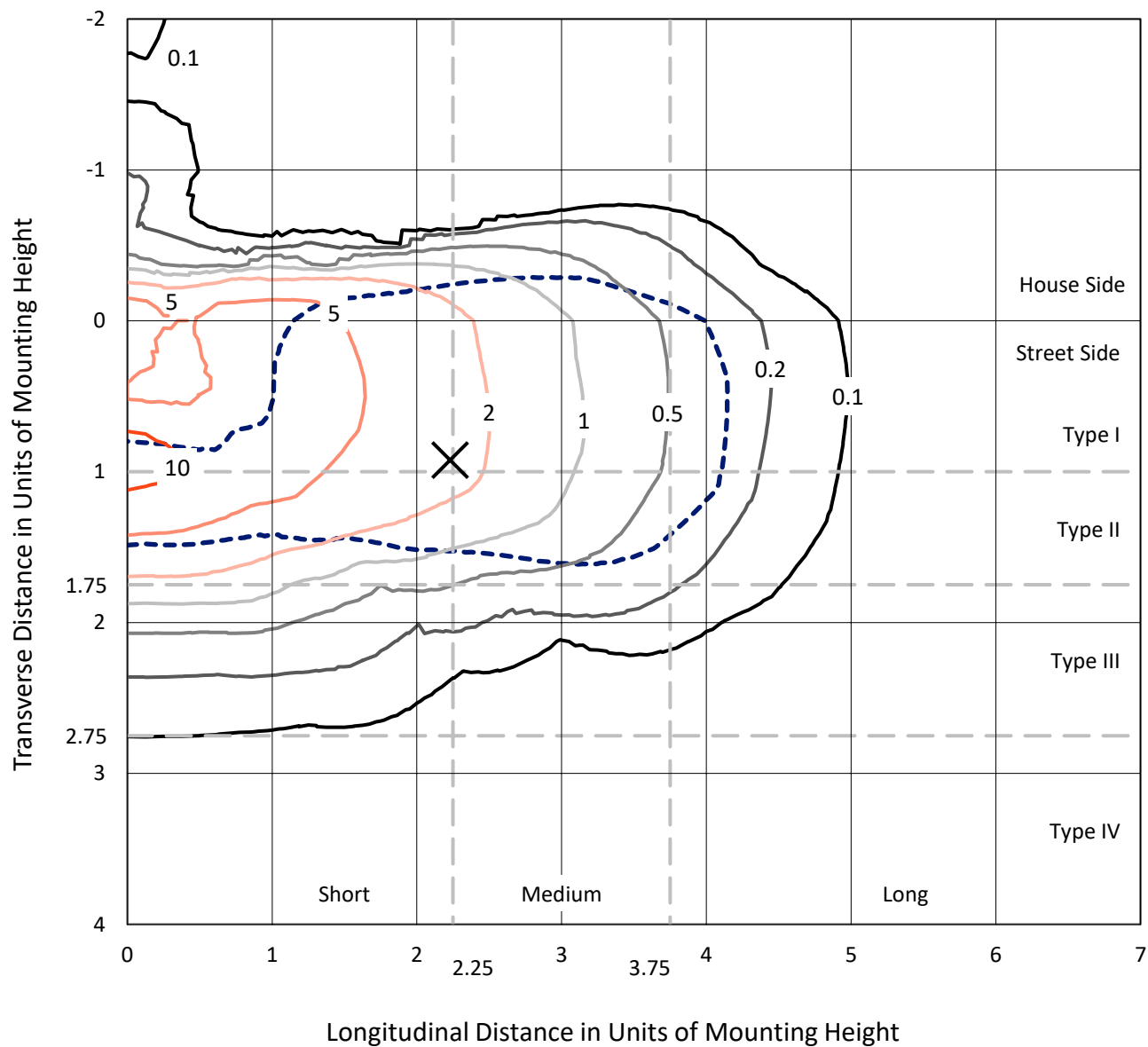
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



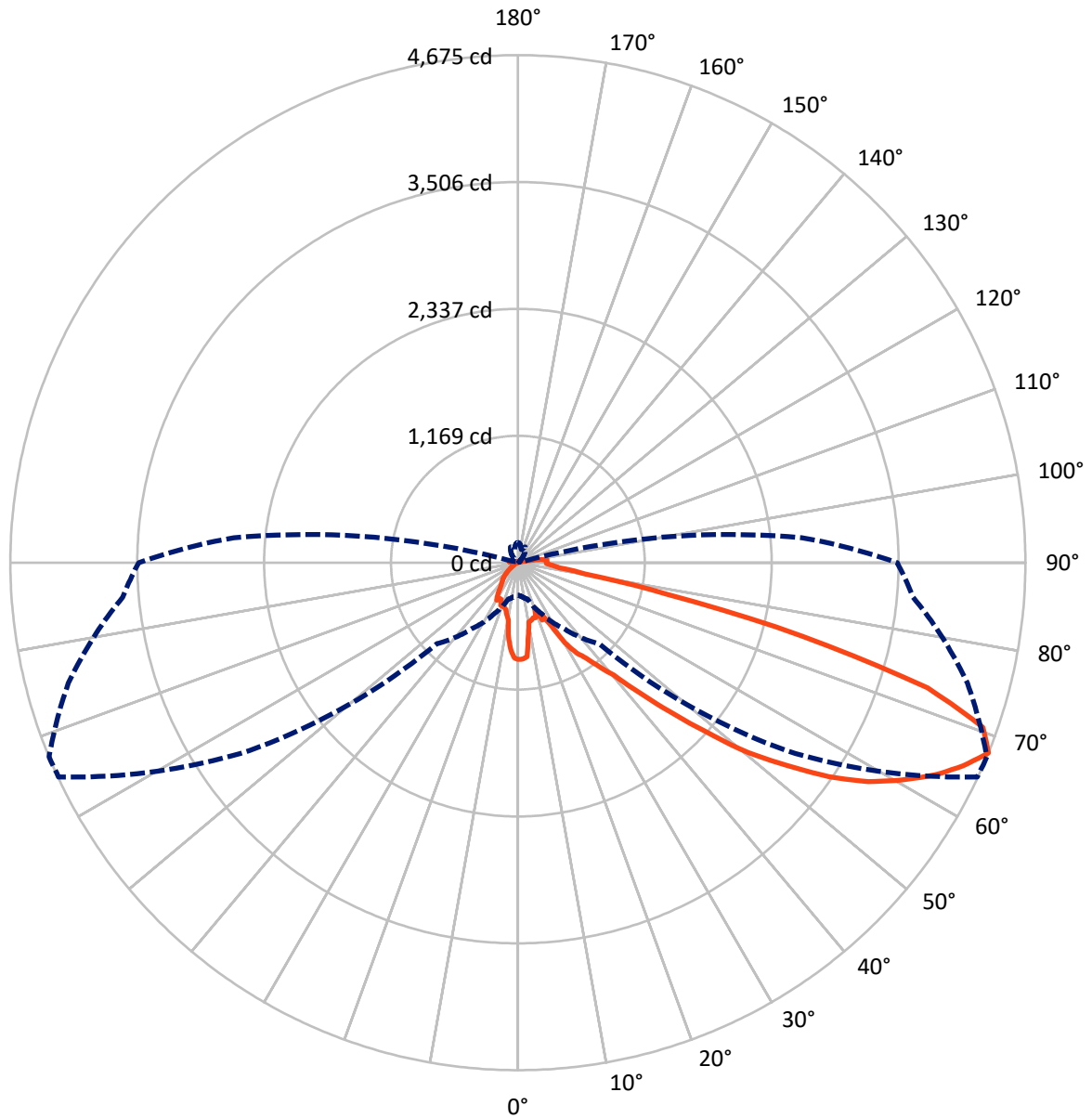
Based on 10 foot mounting height. Maximum calculated value = 11.7 fc

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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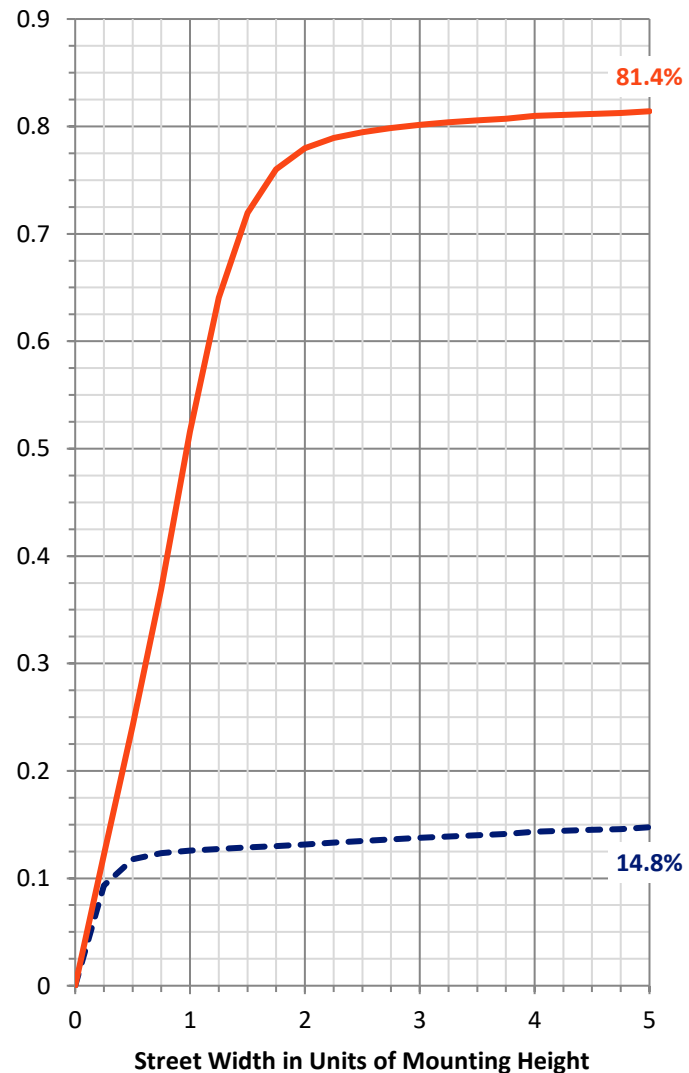
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	904.0	67.4	971.4
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	4733.9	71.7	4805.6
	% Fixture	81.9	1.2	83.2
Total	Lumens	5637.9	139.1	5777.0
	% Fixture	97.6	2.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	1.2
10°-20°	130.6	2.3
20°-30°	197.0	3.4
30°-40°	453.7	7.9
40°-50°	1011.4	17.5
50°-60°	1505.0	26.1
60°-70°	1342.3	23.2
70°-80°	753.4	13.0
80°-90°	175.9	3.0
90°-100°	96.6	1.7
100°-110°	22.3	0.4
110°-120°	8.7	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°	5637.9	97.6
0°-180°	5777.0	100.0



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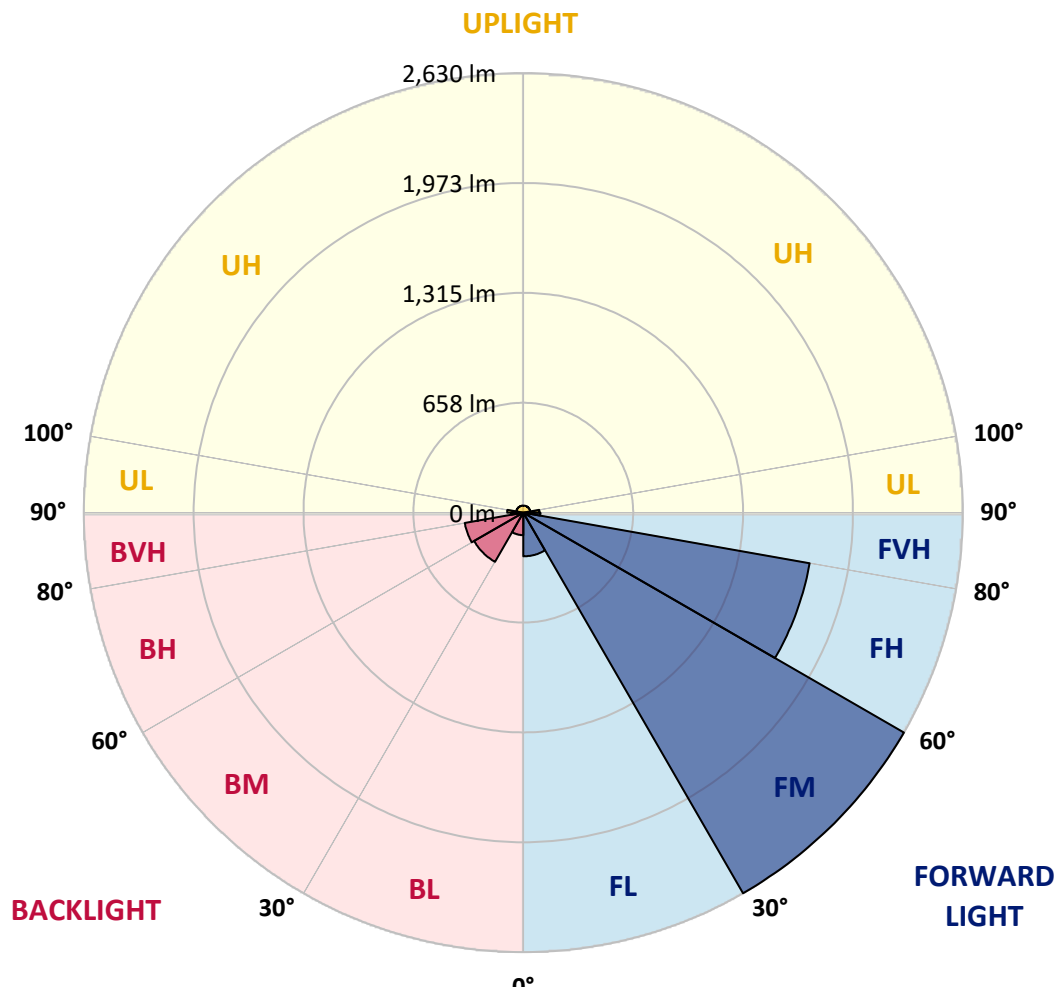
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.3	4.5			
FM	(30°-60°)	2630.4	45.5			
FH	(60°-80°)	1740.0	30.1			G1/1800
FVH	(80°-90°)	102.1	1.8			G2/225
BL	(0°-30°)	134.7	2.3	B1/500		
BM	(30°-60°)	339.8	5.9	B1/1000		
BH	(60°-80°)	355.7	6.2	B1/500		G1/500
BVH	(80°-90°)	73.8	1.3			G1/100
UL	(90°-100°)	96.6	1.7		U3/500	
UH	(100°-180°)	42.5	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°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	755.5	798.6	844.9	875.7	881.9	891.1	891.1	888.1	888.1	885.0	885.0
5°	733.9	730.8	733.9	740.0	737.0	737.0	737.0	860.3	869.6	875.7	875.7
7.5°	632.1	647.5	696.9	715.4	721.5	727.7	727.7	718.5	684.5	758.5	767.8
10°	687.6	684.5	684.5	690.7	644.5	626.0	564.3	555.0	555.0	579.7	659.9
12.5°	576.6	610.5	656.8	675.3	622.9	551.9	536.5	548.9	545.8	477.9	558.1
15°	653.7	653.7	647.5	635.2	490.3	548.9	462.5	462.5	527.3	567.4	638.3
17.5°	530.4	545.8	622.9	613.6	539.6	413.2	539.6	496.4	533.4	499.5	536.5
20°	650.6	647.5	650.6	496.4	548.9	567.4	539.6	484.1	440.9	579.7	641.4
22.5°	536.5	530.4	561.2	613.6	518.0	589.0	493.4	589.0	573.5	514.9	462.5
25°	693.8	690.7	696.9	542.7	607.5	527.3	607.5	527.3	551.9	659.9	675.3
27.5°	626.0	622.9	613.6	663.0	576.6	666.0	573.5	644.5	663.0	715.4	829.5
30°	881.9	869.6	838.7	666.0	678.4	641.4	678.4	792.5	854.1	959.0	992.9
32.5°	1285.8	1221.1	1017.6	881.9	718.5	820.2	767.8	931.2	989.8	1042.2	1070.0
35°	1662.0	1634.3	1486.3	1165.6	875.7	906.6	866.5	1042.2	1076.1	1187.2	1181.0
37.5°	2177.0	2130.7	1902.5	1504.8	1100.8	1088.5	986.7	1187.2	1211.8	1372.2	1341.3
40°	2562.4	2525.4	2346.6	1868.6	1399.9	1292.0	1153.2	1387.6	1359.8	1575.7	1532.5
42.5°	2932.4	2910.8	2772.1	2284.9	1729.9	1606.5	1325.9	1634.3	1628.1	1816.2	1779.2
45°	3231.5	3206.9	3117.4	2658.0	2109.1	2112.2	1597.3	1905.6	1948.8	2127.6	2032.0
47.5°	3407.3	3354.9	3290.1	2954.0	2491.5	2596.3	1998.1	2214.0	2318.8	2473.0	2328.1
50°	3367.2	3314.8	3320.9	3142.1	2843.0	3012.6	2426.7	2540.8	2750.5	2870.8	2584.0
52.5°	3046.5	3015.7	3117.4	3108.2	3021.8	3395.0	2926.3	2895.4	3102.0	3182.2	2846.1
55°	2590.2	2547.0	2738.2	2873.8	3021.8	3632.4	3388.8	3290.1	3478.2	3465.9	3024.9
57.5°	1967.3	1982.7	2198.5	2411.3	2775.2	3678.6	3731.1	3718.7	3805.1	3700.2	3166.8
60°	1344.4	1353.7	1658.9	1899.4	2275.6	3435.0	3842.1	4073.3	4064.1	3897.6	3327.1
62.5°	844.9	841.8	1073.1	1452.3	1637.3	2796.7	3798.9	4341.6	4307.7	4045.6	3450.5
65°	487.2	499.5	582.8	962.1	1137.8	1908.7	3549.1	4603.7	4508.1	4178.2	3583.0
67.5°	299.1	308.4	348.4	521.1	743.1	1054.6	3018.8	4668.4	4674.6	4286.1	3654.0
70°	252.8	255.9	274.4	320.7	518.0	592.0	2032.0	4366.3	4545.1	4310.8	3632.4
72.5°	212.8	215.8	243.6	280.6	385.4	419.4	912.7	3607.7	3946.9	4122.7	3475.1
75°	157.3	160.3	200.4	255.9	280.6	336.1	499.5	2389.7	2710.4	3259.3	2963.3
77.5°	101.8	104.8	141.8	206.6	237.4	265.2	403.9	1116.2	1412.3	1884.0	1871.7
80°	67.8	67.8	83.3	144.9	188.1	215.8	351.5	551.9	629.0	777.0	727.7
82.5°	43.2	43.2	52.4	89.4	120.3	215.8	329.9	394.7	382.4	388.5	345.4
85°	18.5	18.5	27.8	49.3	64.8	141.8	296.0	339.2	323.8	323.8	308.4
87.5°	6.2	6.2	9.3	15.4	21.6	43.2	228.2	271.3	262.1	271.3	292.9
90°	6.2	6.2	3.1	6.2	6.2	30.8	185.0	268.3	262.1	274.4	302.2
92.5°	9.3	9.3	3.1	3.1	6.2	24.7	144.9	277.5	268.3	286.8	314.5
95°	15.4	15.4	6.2	3.1	9.3	21.6	89.4	246.7	268.3	283.7	320.7
97.5°	18.5	18.5	6.2	6.2	9.3	18.5	46.3	200.4	206.6	215.8	252.8
100°	24.7	24.7	6.2	6.2	6.2	15.4	24.7	104.8	107.9	77.1	123.3
102.5°	24.7	24.7	6.2	6.2	6.2	9.3	12.3	46.3	43.2	15.4	15.4
105°	27.8	27.8	9.3	6.2	6.2	6.2	6.2	15.4	15.4	9.3	18.5
107.5°	27.8	27.8	9.3	9.3	6.2	6.2	3.1	6.2	9.3	9.3	18.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	15.4	15.4	6.2	9.3	6.2	3.1	3.1	3.1	6.2	12.3	30.8
115°	6.2	6.2	3.1	6.2	3.1	3.1	3.1	6.2	6.2	9.3	24.7
117.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	3.1	9.3	21.6
120°	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	12.3	21.6
122.5°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	12.3	21.6
125°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	9.3	18.5
127.5°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	6.2	18.5
130°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	6.2	12.3
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°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	881.9	881.9	878.8	878.8	869.6	866.5	826.4	783.2	749.3	752.4	752.4
5°	872.6	866.5	857.2	795.5	718.5	706.1	706.1	700.0	696.9	700.0	700.0
7.5°	761.6	755.5	718.5	687.6	690.7	684.5	672.2	669.1	616.7	564.3	561.2
10°	656.8	647.5	548.9	527.3	524.2	545.8	598.2	579.7	561.2	539.6	548.9
12.5°	548.9	545.8	456.4	505.7	440.9	453.3	465.6	447.1	382.4	308.4	317.6
15°	635.2	626.0	518.0	419.4	376.2	379.3	249.8	240.5	194.3	175.8	166.5
17.5°	471.8	518.0	453.3	419.4	379.3	197.3	160.3	123.3	111.0	89.4	92.5
20°	632.1	619.8	518.0	391.6	292.9	166.5	89.4	70.9	86.3	89.4	89.4
22.5°	447.1	434.8	437.9	416.3	206.6	95.6	67.8	70.9	64.8	61.7	61.7
25°	656.8	635.2	530.4	317.6	154.2	61.7	64.8	49.3	58.6	58.6	58.6
27.5°	798.6	724.6	558.1	308.4	86.3	61.7	46.3	49.3	40.1	40.1	40.1
30°	955.9	912.7	730.8	286.8	67.8	49.3	43.2	33.9	37.0	37.0	37.0
32.5°	1026.8	968.2	730.8	228.2	58.6	46.3	33.9	30.8	30.8	33.9	33.9
35°	1128.6	1066.9	727.7	151.1	49.3	37.0	27.8	27.8	27.8	27.8	27.8
37.5°	1282.7	1193.3	740.0	95.6	40.1	30.8	21.6	24.7	24.7	52.4	52.4
40°	1455.4	1353.7	706.1	67.8	33.9	24.7	18.5	30.8	43.2	46.3	46.3
42.5°	1674.3	1563.3	656.8	58.6	30.8	18.5	15.4	24.7	37.0	58.6	58.6
45°	1936.4	1769.9	589.0	52.4	24.7	15.4	15.4	30.8	46.3	55.5	55.5
47.5°	2170.8	1970.4	471.8	49.3	21.6	12.3	21.6	33.9	40.1	64.8	64.8
50°	2445.2	2180.0	360.8	43.2	18.5	12.3	33.9	37.0	46.3	58.6	58.6
52.5°	2648.7	2355.8	274.4	40.1	18.5	9.3	33.9	33.9	52.4	67.8	67.8
55°	2812.2	2451.4	197.3	33.9	15.4	9.3	40.1	43.2	46.3	52.4	52.4
57.5°	2938.6	2519.2	154.2	30.8	15.4	21.6	49.3	55.5	49.3	52.4	52.4
60°	3083.5	2553.2	114.1	27.8	12.3	21.6	58.6	74.0	55.5	80.2	77.1
62.5°	3216.1	2577.8	92.5	27.8	12.3	24.7	64.8	92.5	74.0	107.9	111.0
65°	3382.6	2608.7	77.1	21.6	12.3	33.9	77.1	123.3	98.7	141.8	148.0
67.5°	3493.6	2627.2	64.8	21.6	12.3	40.1	107.9	160.3	123.3	178.8	185.0
70°	3506.0	2559.3	52.4	21.6	12.3	61.7	148.0	194.3	154.2	228.2	231.3
72.5°	3345.6	2365.1	43.2	24.7	12.3	67.8	172.7	225.1	181.9	302.2	305.3
75°	2704.2	1658.9	40.1	24.7	12.3	86.3	188.1	246.7	203.5	314.5	320.7
77.5°	1662.0	767.8	37.0	27.8	18.5	95.6	191.2	262.1	212.8	314.5	323.8
80°	644.5	379.3	33.9	30.8	43.2	107.9	206.6	265.2	212.8	292.9	305.3
82.5°	299.1	222.0	33.9	33.9	55.5	111.0	203.5	246.7	197.3	262.1	259.0
85°	268.3	218.9	37.0	37.0	58.6	95.6	160.3	209.7	169.6	206.6	206.6
87.5°	262.1	215.8	40.1	46.3	58.6	55.5	123.3	178.8	144.9	154.2	154.2
90°	268.3	225.1	43.2	52.4	49.3	30.8	98.7	148.0	111.0	98.7	95.6
92.5°	286.8	228.2	52.4	61.7	46.3	24.7	83.3	120.3	80.2	64.8	61.7
95°	302.2	234.3	64.8	74.0	49.3	21.6	74.0	95.6	58.6	40.1	37.0
97.5°	252.8	181.9	74.0	80.2	49.3	21.6	64.8	77.1	46.3	21.6	21.6
100°	107.9	80.2	77.1	86.3	46.3	18.5	55.5	61.7	30.8	9.3	12.3
102.5°	21.6	24.7	67.8	80.2	37.0	12.3	37.0	37.0	21.6	3.1	6.2
105°	21.6	18.5	43.2	67.8	21.6	6.2	15.4	21.6	9.3	3.1	3.1
107.5°	21.6	21.6	15.4	33.9	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°	30.8	27.8	6.2	9.3	9.3	6.2	3.1	3.1	6.2	21.6	24.7
115°	27.8	24.7	9.3	9.3	6.2	6.2	3.1	3.1	6.2	24.7	27.8
117.5°	21.6	21.6	9.3	6.2	6.2	6.2	3.1	3.1	6.2	24.7	24.7
120°	24.7	21.6	9.3	6.2	3.1	3.1	3.1	3.1	6.2	18.5	18.5
122.5°	24.7	21.6	9.3	6.2	3.1	3.1	3.1	3.1	6.2	18.5	21.6
125°	21.6	18.5	9.3	6.2	3.1	3.1	3.1	3.1	9.3	18.5	18.5
127.5°	18.5	15.4	6.2	3.1	3.1	3.1	3.1	3.1	9.3	15.4	15.4
130°	12.3	12.3	6.2	3.1	3.1	3.1	3.1	3.1	9.3	12.3	12.3
132.5°	9.3	9.3	6.2	3.1	3.1	3.1	3.1	3.1	6.2	12.3	12.3
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°	21.6	21.6	9.3	9.3	6.2	3.1	3.1	3.1	6.2	9.3	21.6
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110°	24.7	21.6	6.2	9.3	6.2	6.2	6.2	6.2	3.1	15.4	18.5
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(END OF REPORT)