

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: P561067

Luminaire Tested: **SDL-PA1-80-730-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561067
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-PA1-80-730-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 1050mA 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: 5775.6 lumens
Efficiency: N/A
Efficacy: 70.4 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): 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



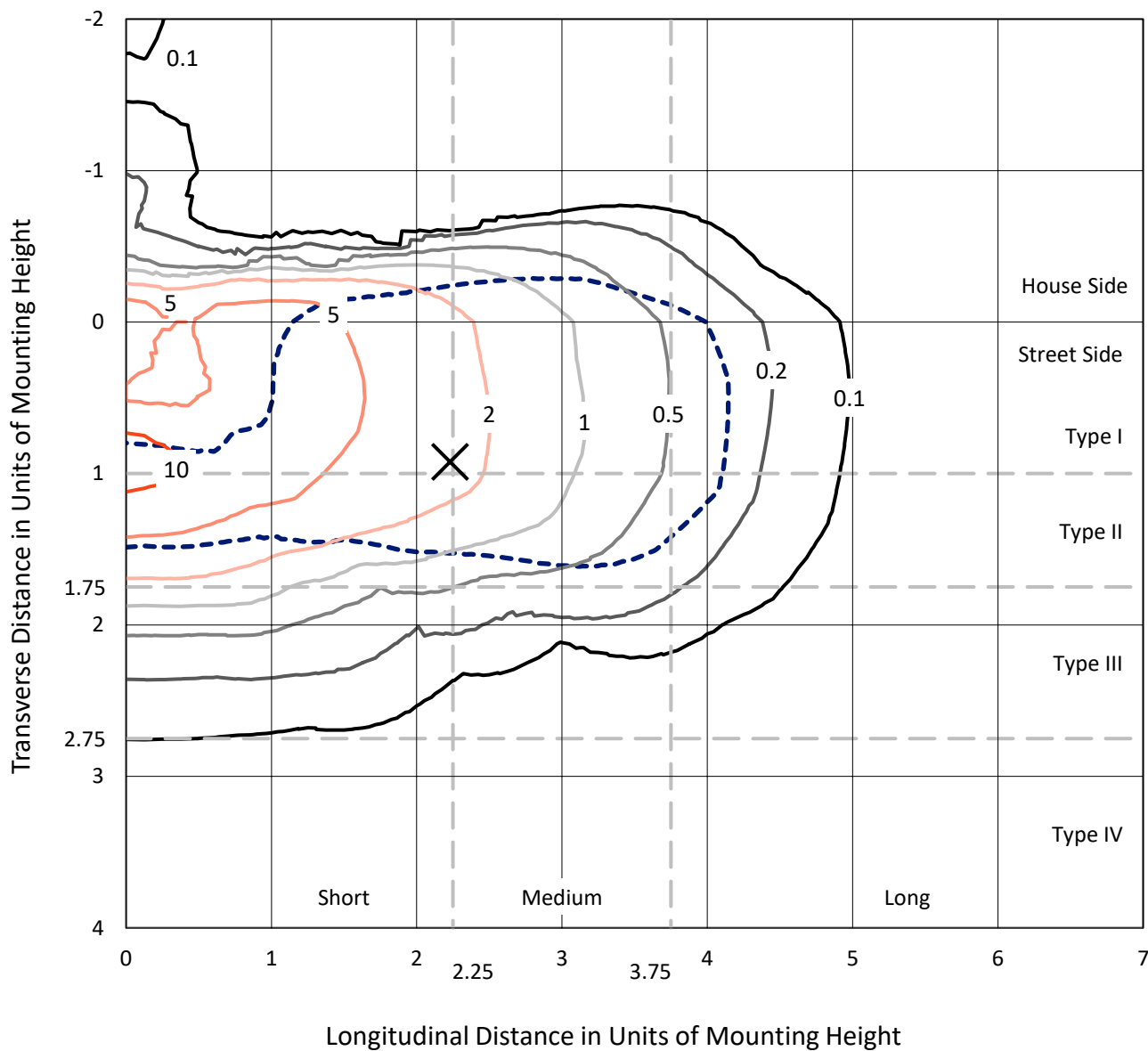
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



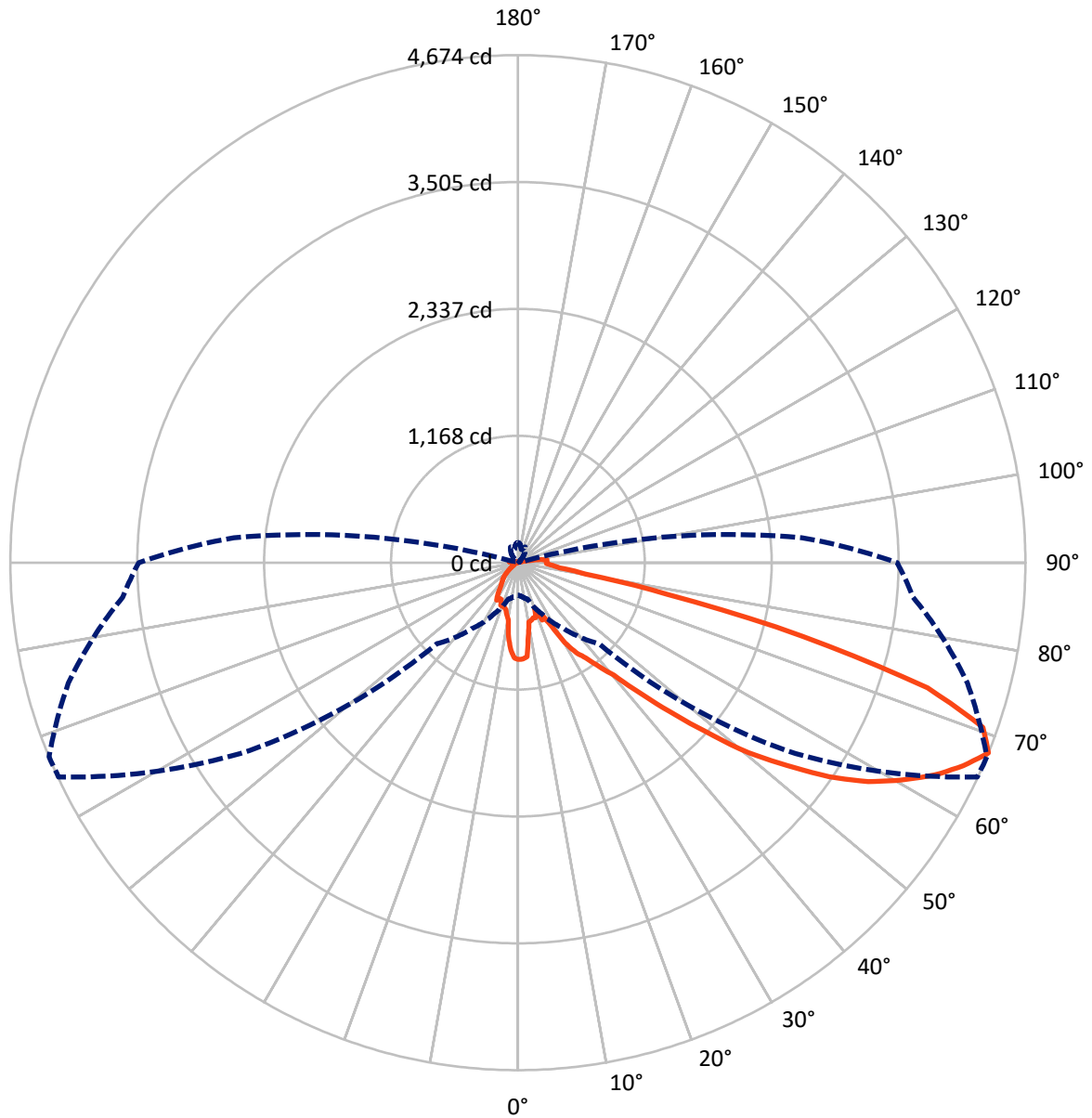
Based on 10 foot mounting height. Maximum calculated value = 11.7 fc

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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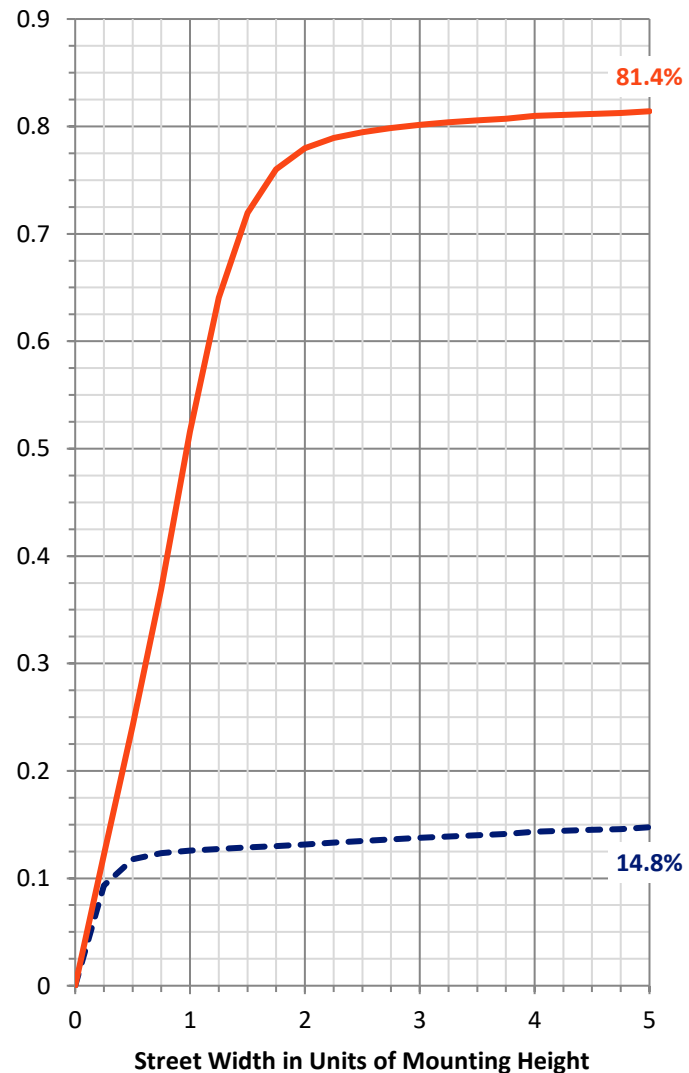
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	903.8	67.4	971.1
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	4732.8	71.6	4804.5
	% Fixture	81.9	1.2	83.2
Total	Lumens	5636.6	139.0	5775.6
	% Fixture	97.6	2.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.4	1.2
10°-20°	130.6	2.3
20°-30°	197.0	3.4
30°-40°	453.6	7.9
40°-50°	1011.2	17.5
50°-60°	1504.7	26.1
60°-70°	1342.0	23.2
70°-80°	753.3	13.0
80°-90°	175.9	3.0
90°-100°	96.6	1.7
100°-110°	22.2	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°	5636.6	97.6
0°-180°	5775.6	100.0



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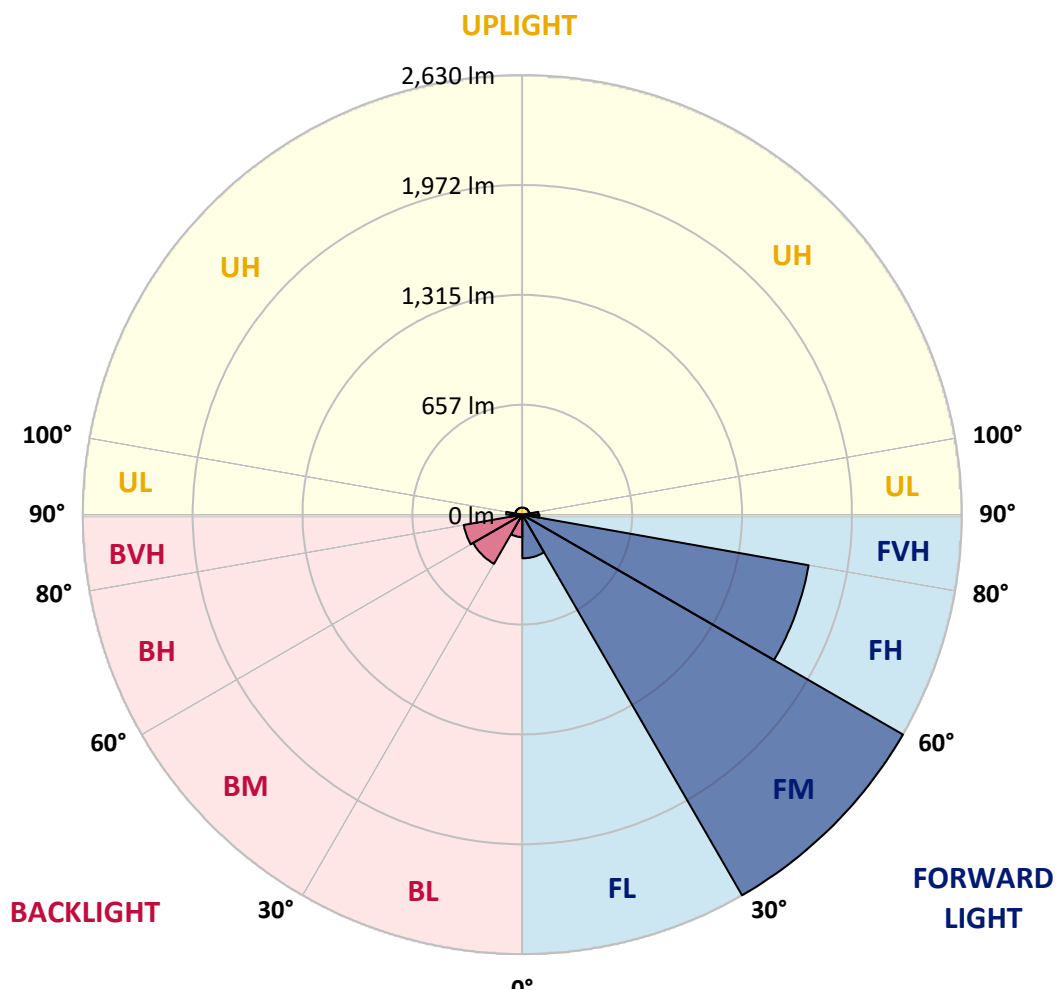
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.3	4.5			
FM	(30°-60°)	2629.8	45.5			
FH	(60°-80°)	1739.6	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°)	339.7	5.9	B1/1000		
BH	(60°-80°)	355.6	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°	890.9	890.9	890.9	890.9	890.9	890.9	890.9	890.9	890.9	890.9	890.9
2.5°	755.3	798.4	844.7	875.5	881.7	890.9	890.9	887.8	887.8	884.8	884.8
5°	733.7	730.6	733.7	739.9	736.8	736.8	736.8	860.1	869.4	875.5	875.5
7.5°	632.0	647.4	696.7	715.2	721.4	727.5	727.5	718.3	684.4	758.4	767.6
10°	687.5	684.4	684.4	690.5	644.3	625.8	564.2	554.9	554.9	579.6	659.7
12.5°	576.5	610.4	656.6	675.1	622.7	551.8	536.4	548.7	545.7	477.8	558.0
15°	653.6	653.6	647.4	635.1	490.2	548.7	462.4	462.4	527.2	567.2	638.1
17.5°	530.2	545.7	622.7	613.5	539.5	413.1	539.5	496.3	533.3	499.4	536.4
20°	650.5	647.4	650.5	496.3	548.7	567.2	539.5	484.0	440.8	579.6	641.2
22.5°	536.4	530.2	561.1	613.5	517.9	588.8	493.2	588.8	573.4	514.8	462.4
25°	693.6	690.5	696.7	542.6	607.3	527.2	607.3	527.2	551.8	659.7	675.1
27.5°	625.8	622.7	613.5	662.8	576.5	665.9	573.4	644.3	662.8	715.2	829.3
30°	881.7	869.4	838.5	665.9	678.2	641.2	678.2	792.3	853.9	958.8	992.7
32.5°	1285.5	1220.8	1017.3	881.7	718.3	820.0	767.6	931.0	989.6	1042.0	1069.7
35°	1661.6	1633.9	1485.9	1165.3	875.5	906.3	866.3	1042.0	1075.9	1186.9	1180.7
37.5°	2176.5	2130.2	1902.1	1504.4	1100.6	1088.2	986.5	1186.9	1211.5	1371.8	1341.0
40°	2561.8	2524.8	2346.0	1868.2	1399.6	1291.7	1153.0	1387.3	1359.5	1575.3	1532.2
42.5°	2931.7	2910.2	2771.4	2284.4	1729.5	1606.1	1325.6	1633.9	1627.7	1815.8	1778.8
45°	3230.8	3206.1	3116.7	2657.4	2108.6	2111.7	1596.9	1905.2	1948.3	2127.1	2031.6
47.5°	3406.5	3354.1	3289.4	2953.3	2490.9	2595.7	1997.7	2213.5	2318.3	2472.4	2327.5
50°	3366.4	3314.0	3320.2	3141.4	2842.3	3011.9	2426.2	2540.2	2749.9	2870.1	2583.4
52.5°	3045.8	3015.0	3116.7	3107.5	3021.2	3394.2	2925.6	2894.8	3101.3	3181.5	2845.4
55°	2589.6	2546.4	2737.5	2873.2	3021.2	3631.5	3388.0	3289.4	3477.4	3465.1	3024.2
57.5°	1966.8	1982.2	2198.0	2410.8	2774.5	3677.8	3730.2	3717.9	3804.2	3699.4	3166.0
60°	1344.1	1353.4	1658.6	1899.0	2275.1	3434.2	3841.2	4072.4	4063.1	3896.7	3326.3
62.5°	844.7	841.6	1072.8	1452.0	1637.0	2796.1	3798.0	4340.6	4306.7	4044.6	3449.7
65°	487.1	499.4	582.7	961.8	1137.6	1908.3	3548.3	4602.6	4507.1	4177.2	3582.2
67.5°	299.0	308.3	348.4	521.0	743.0	1054.3	3018.1	4667.4	4673.5	4285.1	3653.1
70°	252.8	255.9	274.4	320.6	517.9	591.9	2031.6	4365.3	4544.1	4309.8	3631.5
72.5°	212.7	215.8	243.5	280.5	385.4	419.3	912.5	3606.9	3946.0	4121.7	3474.3
75°	157.2	160.3	200.4	255.9	280.5	336.0	499.4	2389.2	2709.8	3258.5	2962.6
77.5°	101.7	104.8	141.8	206.5	237.4	265.1	403.8	1116.0	1411.9	1883.6	1871.3
80°	67.8	67.8	83.2	144.9	188.1	215.8	351.4	551.8	628.9	776.9	727.5
82.5°	43.2	43.2	52.4	89.4	120.2	215.8	329.9	394.6	382.3	388.4	345.3
85°	18.5	18.5	27.7	49.3	64.7	141.8	295.9	339.1	323.7	323.7	308.3
87.5°	6.2	6.2	9.2	15.4	21.6	43.2	228.1	271.3	262.0	271.3	292.9
90°	6.2	6.2	3.1	6.2	6.2	30.8	185.0	268.2	262.0	274.4	302.1
92.5°	9.2	9.2	3.1	3.1	6.2	24.7	144.9	277.5	268.2	286.7	314.4
95°	15.4	15.4	6.2	3.1	9.2	21.6	89.4	246.6	268.2	283.6	320.6
97.5°	18.5	18.5	6.2	6.2	9.2	18.5	46.2	200.4	206.5	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	9.2	12.3	46.2	43.2	15.4	15.4
105°	27.7	27.7	9.2	6.2	6.2	6.2	6.2	15.4	15.4	9.2	18.5
107.5°	27.7	27.7	9.2	9.2	6.2	6.2	3.1	6.2	9.2	9.2	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	9.2	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	9.2	24.7
117.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	3.1	9.2	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	9.2	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	9.2
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	9.2
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°	890.9	890.9	890.9	890.9	890.9	890.9	890.9	890.9	890.9	890.9	890.9
2.5°	881.7	881.7	878.6	878.6	869.4	866.3	826.2	783.0	749.1	752.2	752.2
5°	872.4	866.3	857.0	795.4	718.3	706.0	706.0	699.8	696.7	699.8	699.8
7.5°	761.5	755.3	718.3	687.5	690.5	684.4	672.1	669.0	616.6	564.2	561.1
10°	656.6	647.4	548.7	527.2	524.1	545.7	598.1	579.6	561.1	539.5	548.7
12.5°	548.7	545.7	456.3	505.6	440.8	453.2	465.5	447.0	382.3	308.3	317.5
15°	635.1	625.8	517.9	419.3	376.1	379.2	249.7	240.5	194.2	175.7	166.5
17.5°	471.7	517.9	453.2	419.3	379.2	197.3	160.3	123.3	111.0	89.4	92.5
20°	632.0	619.6	517.9	391.5	292.9	166.5	89.4	70.9	86.3	89.4	89.4
22.5°	447.0	434.7	437.8	416.2	206.5	95.6	67.8	70.9	64.7	61.7	61.7
25°	656.6	635.1	530.2	317.5	154.1	61.7	64.7	49.3	58.6	58.6	58.6
27.5°	798.4	724.5	558.0	308.3	86.3	61.7	46.2	49.3	40.1	40.1	40.1
30°	955.7	912.5	730.6	286.7	67.8	49.3	43.2	33.9	37.0	37.0	37.0
32.5°	1026.6	968.0	730.6	228.1	58.6	46.2	33.9	30.8	30.8	33.9	33.9
35°	1128.3	1066.7	727.5	151.1	49.3	37.0	27.7	27.7	27.7	27.7	27.7
37.5°	1282.4	1193.0	739.9	95.6	40.1	30.8	21.6	24.7	24.7	52.4	52.4
40°	1455.1	1353.4	706.0	67.8	33.9	24.7	18.5	30.8	43.2	46.2	46.2
42.5°	1674.0	1563.0	656.6	58.6	30.8	18.5	15.4	24.7	37.0	58.6	58.6
45°	1936.0	1769.5	588.8	52.4	24.7	15.4	15.4	30.8	46.2	55.5	55.5
47.5°	2170.3	1969.9	471.7	49.3	21.6	12.3	21.6	33.9	40.1	64.7	64.7
50°	2444.7	2179.5	360.7	43.2	18.5	12.3	33.9	37.0	46.2	58.6	58.6
52.5°	2648.1	2355.3	274.4	40.1	18.5	9.2	33.9	33.9	52.4	67.8	67.8
55°	2811.5	2450.8	197.3	33.9	15.4	9.2	40.1	43.2	46.2	52.4	52.4
57.5°	2937.9	2518.7	154.1	30.8	15.4	21.6	49.3	55.5	49.3	52.4	52.4
60°	3082.8	2552.6	114.1	27.7	12.3	21.6	58.6	74.0	55.5	80.2	77.1
62.5°	3215.4	2577.2	92.5	27.7	12.3	24.7	64.7	92.5	74.0	107.9	111.0
65°	3381.8	2608.1	77.1	21.6	12.3	33.9	77.1	123.3	98.6	141.8	148.0
67.5°	3492.8	2626.6	64.7	21.6	12.3	40.1	107.9	160.3	123.3	178.8	185.0
70°	3505.2	2558.7	52.4	21.6	12.3	61.7	148.0	194.2	154.1	228.1	231.2
72.5°	3344.8	2364.5	43.2	24.7	12.3	67.8	172.6	225.0	181.9	302.1	305.2
75°	2703.6	1658.6	40.1	24.7	12.3	86.3	188.1	246.6	203.5	314.4	320.6
77.5°	1661.6	767.6	37.0	27.7	18.5	95.6	191.1	262.0	212.7	314.4	323.7
80°	644.3	379.2	33.9	30.8	43.2	107.9	206.5	265.1	212.7	292.9	305.2
82.5°	299.0	222.0	33.9	33.9	55.5	111.0	203.5	246.6	197.3	262.0	259.0
85°	268.2	218.9	37.0	37.0	58.6	95.6	160.3	209.6	169.6	206.5	206.5
87.5°	262.0	215.8	40.1	46.2	58.6	55.5	123.3	178.8	144.9	154.1	154.1
90°	268.2	225.0	43.2	52.4	49.3	30.8	98.6	148.0	111.0	98.6	95.6
92.5°	286.7	228.1	52.4	61.7	46.2	24.7	83.2	120.2	80.2	64.7	61.7
95°	302.1	234.3	64.7	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	64.7	77.1	46.2	21.6	21.6
100°	107.9	80.2	77.1	86.3	46.2	18.5	55.5	61.7	30.8	9.2	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	9.2	3.1	3.1
107.5°	21.6	21.6	15.4	33.9	9.2	6.2	6.2	9.2	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	27.7	6.2	9.2	9.2	6.2	3.1	3.1	6.2	21.6	24.7
115°	27.7	24.7	9.2	9.2	6.2	6.2	3.1	3.1	6.2	24.7	27.7
117.5°	21.6	21.6	9.2	6.2	6.2	6.2	3.1	3.1	6.2	24.7	24.7
120°	24.7	21.6	9.2	6.2	3.1	3.1	3.1	3.1	6.2	18.5	18.5
122.5°	24.7	21.6	9.2	6.2	3.1	3.1	3.1	3.1	6.2	18.5	21.6
125°	21.6	18.5	9.2	6.2	3.1	3.1	3.1	3.1	9.2	18.5	18.5
127.5°	18.5	15.4	6.2	3.1	3.1	3.1	3.1	3.1	9.2	15.4	15.4
130°	12.3	12.3	6.2	3.1	3.1	3.1	3.1	3.1	9.2	12.3	12.3
132.5°	9.2	9.2	6.2	3.1	3.1	3.1	3.1	3.1	6.2	12.3	12.3
135°	9.2	6.2	6.2	3.1	3.1	3.1	3.1	3.1	6.2	9.2	9.2
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°	9.2	9.2	9.2	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°	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	9.2	9.2	6.2	3.1	3.1	3.1	6.2	9.2	21.6
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110°	24.7	21.6	6.2	9.2	6.2	6.2	6.2	6.2	3.1	15.4	18.5
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(END OF REPORT)