

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: P560538

Luminaire Tested: **SDL-PA1-50-730-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-730-U-T2U-A
Description: Springdale
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5568.7 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B2 - U3 - G2

Input Watts (W): 52.4
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



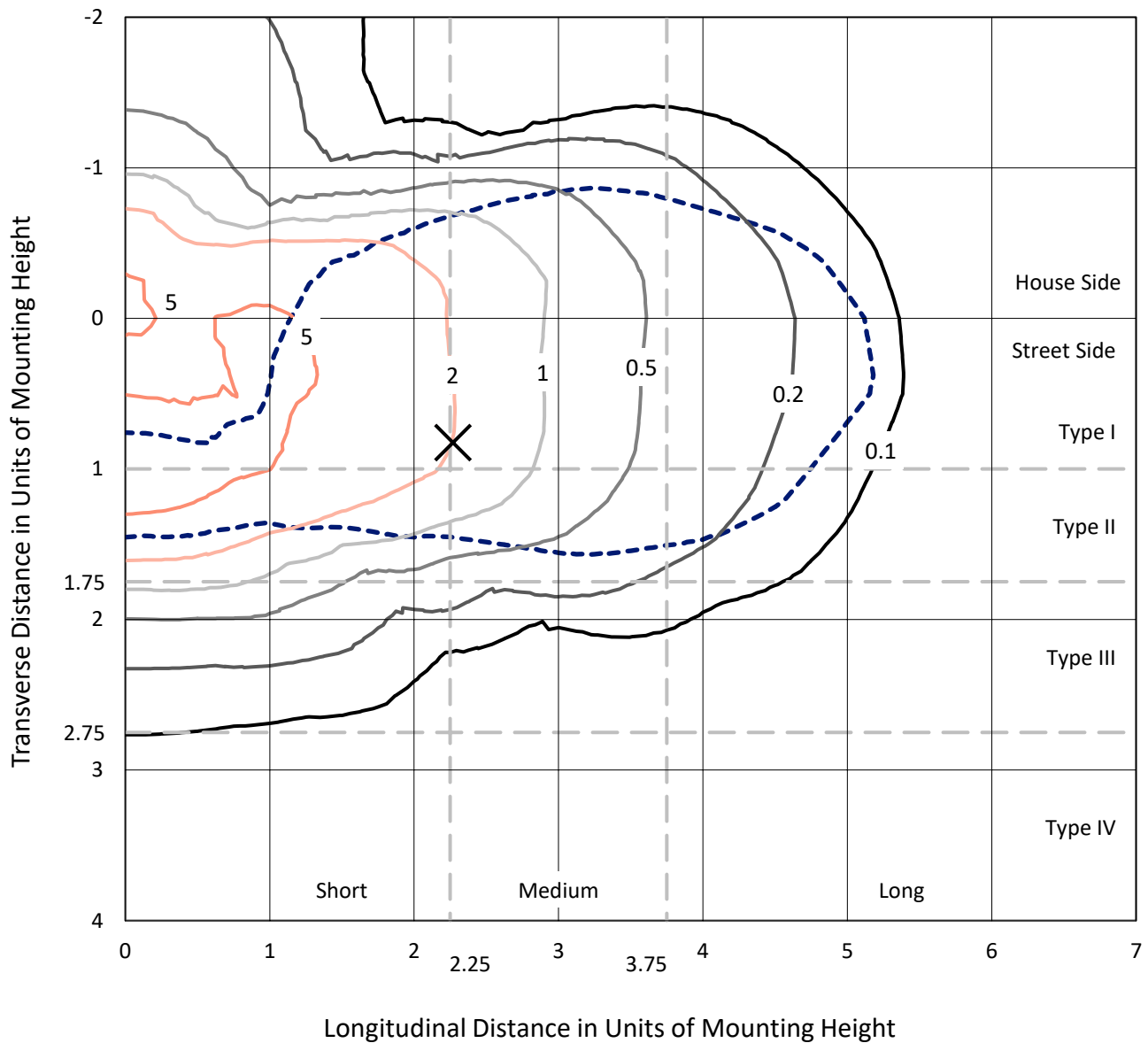
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

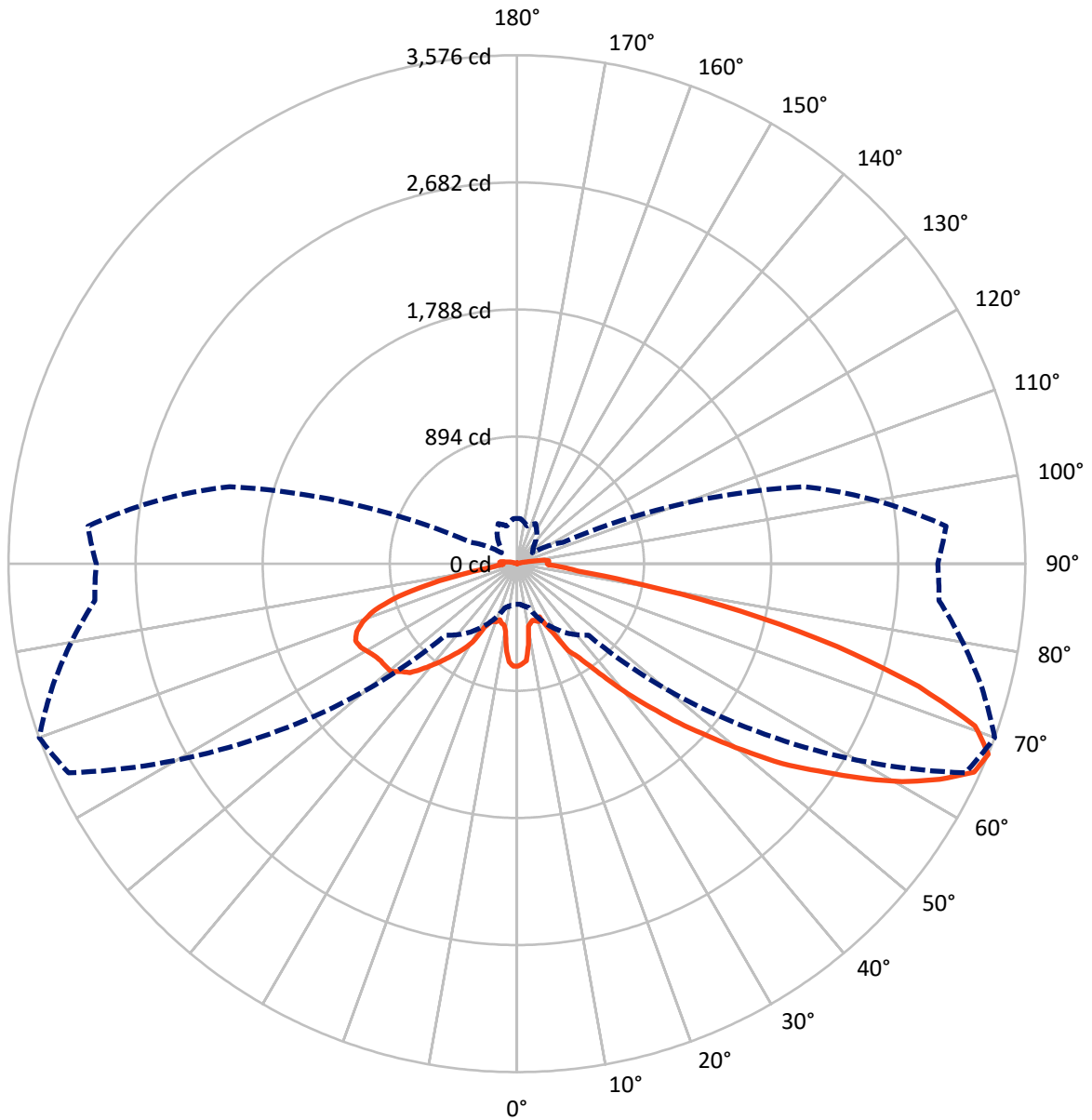


Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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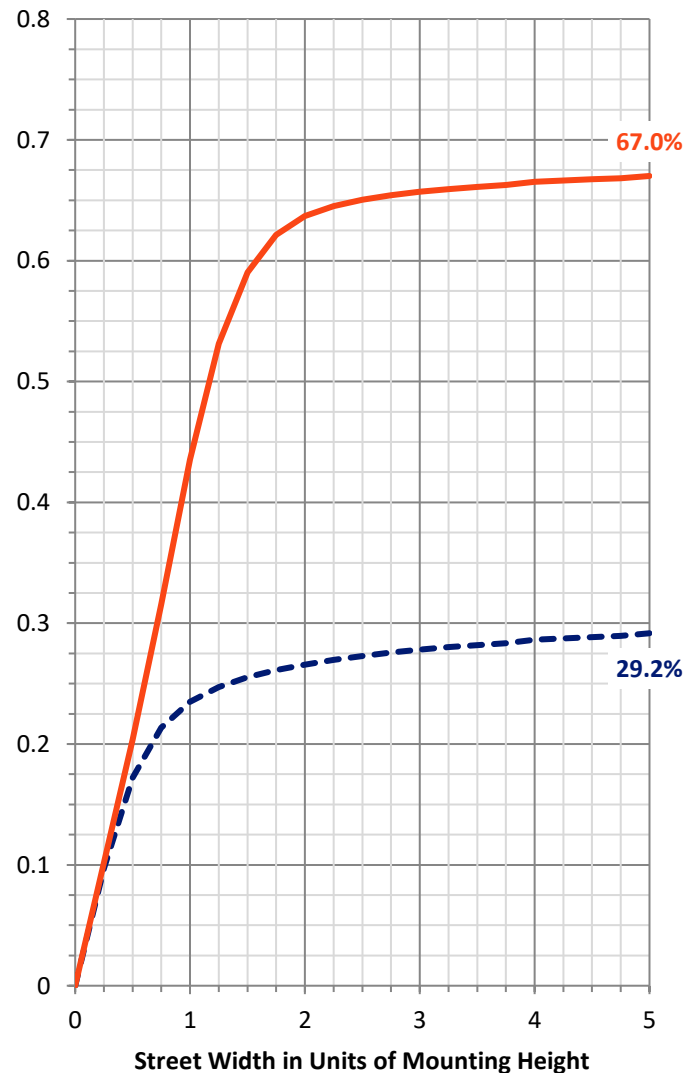
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1674.9	65.7	1740.6
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	3764.6	63.5	3828.1
	% Fixture	67.6	1.1	68.7
Total	Lumens	5439.5	129.2	5568.7
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.8	1.0
10°-20°	133.6	2.4
20°-30°	237.0	4.3
30°-40°	499.4	9.0
40°-50°	933.7	16.8
50°-60°	1293.1	23.2
60°-70°	1246.9	22.4
70°-80°	819.7	14.7
80°-90°	218.5	3.9
90°-100°	89.6	1.6
100°-110°	19.6	0.4
110°-120°	8.5	0.2
120°-130°	6.1	0.1
130°-140°	2.7	0.0
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°	5439.5	97.7
0°-180°	5568.7	100.0

Coefficient of Utilization



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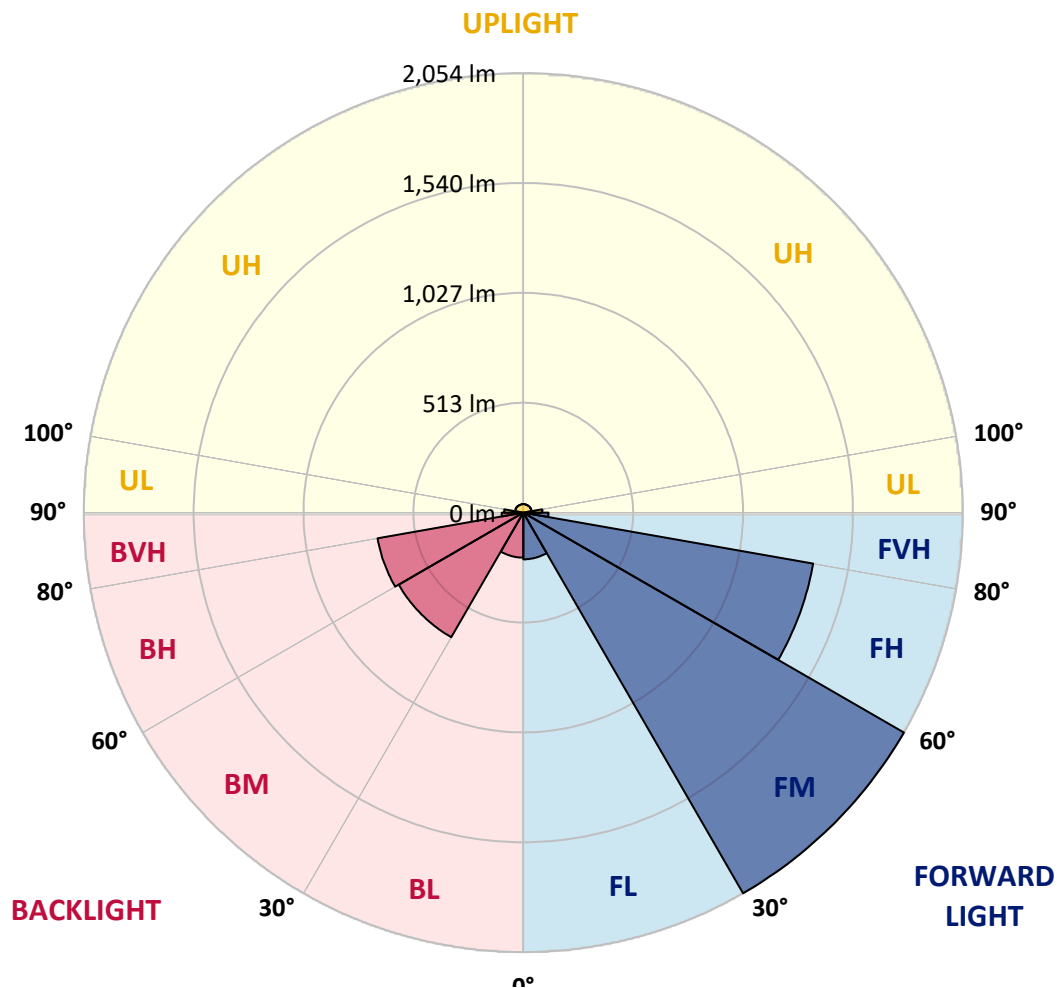
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	218.2	3.9			
FM	(30°-60°)	2053.7	36.9			
FH	(60°-80°)	1375.2	24.7			G1/1800
FVH	(80°-90°)	117.5	2.1			G2/225
BL	(0°-30°)	210.1	3.8	B1/500		
BM	(30°-60°)	672.5	12.1	B1/1000		
BH	(60°-80°)	691.4	12.4	B2/1000		G2/1000
BVH	(80°-90°)	100.9	1.8			G2/225
UL	(90°-100°)	89.6	1.6		U3/500	
UH	(100°-180°)	39.6	0.7		U2/50	

BUG Rating: B2-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	720.7	720.7	720.7	720.7	720.7	720.7	720.7	720.7	720.7	720.7	720.7
2.5°	601.6	650.5	635.7	682.4	693.1	703.7	705.8	707.9	705.8	707.9	712.2
5°	567.6	569.7	571.9	576.1	576.1	580.4	588.9	678.2	686.7	693.1	701.6
7.5°	474.1	495.3	535.7	550.6	557.0	565.5	569.7	569.7	578.3	599.5	614.4
10°	527.2	523.0	525.1	527.2	497.5	491.1	446.4	440.1	446.4	461.3	531.5
12.5°	442.2	463.5	508.1	518.7	482.6	427.3	420.9	429.4	427.3	384.8	450.7
15°	512.3	510.2	506.0	497.5	403.9	423.1	363.5	367.8	412.4	442.2	503.8
17.5°	446.4	444.3	503.8	486.8	425.2	329.5	414.6	384.8	420.9	389.0	416.7
20°	554.9	552.7	546.4	406.1	433.7	437.9	401.8	372.0	433.7	448.6	506.0
22.5°	503.8	503.8	544.2	533.6	440.1	463.5	382.7	452.8	406.1	412.4	382.7
25°	693.1	686.7	678.2	495.3	529.4	425.2	474.1	416.7	484.7	525.1	550.6
27.5°	671.8	659.0	650.5	656.9	531.5	557.0	469.8	518.7	559.1	576.1	642.0
30°	943.9	926.9	901.4	688.8	661.2	569.7	567.6	642.0	707.9	761.1	797.2
32.5°	1203.3	1207.5	1075.7	924.8	731.3	761.1	676.0	752.6	773.8	829.1	850.4
35°	1543.4	1500.9	1418.0	1154.4	890.8	861.0	786.6	858.9	880.1	933.3	946.0
37.5°	1811.3	1813.4	1685.9	1388.2	1067.2	1041.7	912.0	986.4	1024.7	1084.2	1063.0
40°	2068.5	2079.2	1977.1	1628.5	1290.4	1220.3	1063.0	1150.1	1203.3	1239.4	1203.3
42.5°	2298.1	2296.0	2225.8	1894.2	1498.8	1458.4	1222.4	1335.1	1381.8	1415.9	1388.2
45°	2478.8	2472.4	2408.7	2111.0	1745.4	1800.7	1430.7	1547.7	1596.6	1634.8	1566.8
47.5°	2540.5	2506.5	2478.8	2268.4	1975.0	2102.5	1688.0	1753.9	1811.3	1877.2	1766.6
50°	2474.6	2429.9	2440.6	2342.8	2168.4	2355.5	1964.4	1992.0	2062.1	2119.5	1955.8
52.5°	2200.3	2189.7	2249.2	2268.4	2251.4	2549.0	2274.7	2196.1	2334.3	2340.6	2151.4
55°	1838.9	1826.2	1966.5	2045.1	2172.7	2625.5	2538.4	2483.1	2572.4	2561.7	2325.8
57.5°	1481.8	1473.3	1600.8	1730.5	1951.6	2583.0	2723.3	2797.7	2842.4	2782.8	2487.3
60°	992.8	1009.8	1228.8	1403.1	1596.6	2327.9	2793.5	3091.1	3112.4	2984.8	2657.4
62.5°	633.5	656.9	797.2	1082.1	1192.6	1889.9	2742.4	3352.6	3339.8	3167.6	2814.7
65°	406.1	414.6	482.6	733.4	854.6	1252.2	2515.0	3531.2	3533.3	3331.3	2940.2
67.5°	284.9	287.0	318.9	457.1	591.0	712.2	2045.1	3480.1	3575.8	3386.6	2980.5
70°	255.1	257.2	265.7	310.4	448.6	442.2	1239.4	3110.2	3418.5	3314.3	2918.9
72.5°	227.5	229.6	244.5	270.0	344.4	346.5	593.1	2476.7	2955.0	3057.1	2736.1
75°	189.2	193.5	210.5	253.0	265.7	291.3	397.5	1741.1	2325.8	2634.0	2519.2
77.5°	159.4	161.6	174.3	214.7	231.7	236.0	340.1	965.2	1607.2	1938.8	2219.5
80°	127.6	127.6	138.2	170.1	191.3	193.5	304.0	510.2	890.8	1173.5	1543.4
82.5°	82.9	85.0	97.8	127.6	142.4	191.3	270.0	372.0	435.8	565.5	701.6
85°	53.1	53.1	61.7	72.3	85.0	146.7	238.1	308.3	325.3	355.0	318.9
87.5°	25.5	25.5	23.4	27.6	31.9	55.3	165.8	219.0	221.1	216.8	233.9
90°	21.3	21.3	17.0	19.1	21.3	29.8	125.4	214.7	212.6	221.1	242.4
92.5°	23.4	23.4	17.0	19.1	21.3	25.5	91.4	216.8	223.2	233.9	257.2
95°	25.5	25.5	17.0	17.0	19.1	23.4	57.4	187.1	225.3	236.0	265.7
97.5°	23.4	23.4	12.8	14.9	17.0	21.3	36.1	140.3	176.5	185.0	210.5
100°	21.3	21.3	10.6	12.8	14.9	17.0	23.4	72.3	76.5	57.4	80.8
102.5°	19.1	21.3	8.5	10.6	10.6	10.6	14.9	34.0	34.0	19.1	21.3
105°	19.1	21.3	8.5	8.5	6.4	8.5	8.5	12.8	14.9	10.6	17.0
107.5°	21.3	21.3	8.5	8.5	6.4	6.4	6.4	8.5	10.6	8.5	17.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	12.8	12.8	6.4	8.5	4.3	4.3	4.3	6.4	8.5	10.6	23.4
115°	10.6	8.5	4.3	6.4	4.3	4.3	4.3	6.4	6.4	8.5	19.1
117.5°	10.6	8.5	4.3	4.3	2.1	4.3	4.3	6.4	6.4	8.5	17.0
120°	10.6	10.6	4.3	2.1	2.1	2.1	2.1	4.3	6.4	10.6	19.1
122.5°	12.8	10.6	4.3	4.3	2.1	2.1	2.1	4.3	6.4	10.6	19.1
125°	12.8	12.8	6.4	4.3	2.1	2.1	2.1	4.3	6.4	8.5	17.0
127.5°	12.8	10.6	6.4	4.3	2.1	2.1	2.1	2.1	4.3	6.4	14.9
130°	10.6	10.6	6.4	2.1	2.1	2.1	2.1	2.1	4.3	4.3	10.6
132.5°	8.5	8.5	6.4	2.1	2.1	2.1	2.1	2.1	2.1	4.3	8.5
135°	6.4	6.4	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.4
137.5°	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
140°	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
142.5°	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
145°	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	2.1	2.1	2.1	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1
150°	4.3	4.3	8.5	6.4	4.3	2.1	4.3	2.1	2.1	2.1	2.1
152.5°	6.4	6.4	8.5	6.4	2.1	2.1	2.1	4.3	2.1	2.1	2.1
155°	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1	4.3	4.3	6.4
157.5°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	720.7	720.7	720.7	720.7	720.7	720.7	720.7	720.7	720.7	720.7	720.7
2.5°	714.3	714.3	720.7	722.8	720.7	718.6	705.8	667.5	644.2	646.3	646.3
5°	703.7	705.8	712.2	673.9	627.1	631.4	637.8	639.9	639.9	644.2	644.2
7.5°	620.8	622.9	605.9	612.3	627.1	637.8	642.0	631.4	597.4	584.6	584.6
10°	537.9	537.9	478.3	480.5	497.5	529.4	629.3	639.9	650.5	652.7	650.5
12.5°	454.9	457.1	408.2	469.8	448.6	506.0	580.4	642.0	593.1	544.2	550.6
15°	508.1	512.3	459.2	403.9	414.6	499.6	433.7	595.3	599.5	599.5	599.5
17.5°	408.2	431.6	406.1	416.7	459.2	376.3	491.1	544.2	499.6	486.8	486.8
20°	508.1	508.1	463.5	401.8	425.2	489.0	435.8	484.7	569.7	569.7	567.6
22.5°	378.4	378.4	406.1	465.6	427.3	482.6	461.3	501.7	452.8	452.8	465.6
25°	546.4	540.0	493.2	412.4	486.8	446.4	463.5	437.9	512.3	518.7	514.5
27.5°	659.0	654.8	529.4	474.1	457.1	476.2	416.7	408.2	393.3	452.8	446.4
30°	780.2	769.6	693.1	571.9	501.7	401.8	376.3	391.2	433.7	435.8	433.7
32.5°	837.6	814.2	729.2	684.5	512.3	414.6	338.0	348.7	431.6	457.1	457.1
35°	916.3	890.8	795.1	746.2	510.2	365.7	299.8	338.0	389.0	391.2	391.2
37.5°	1024.7	986.4	905.6	782.3	476.2	323.1	276.4	299.8	335.9	346.5	350.8
40°	1150.1	1101.2	1028.9	805.7	427.3	272.1	246.6	276.4	304.0	295.5	295.5
42.5°	1326.6	1254.3	1150.1	841.9	365.7	240.2	225.3	253.0	272.1	276.4	274.2
45°	1492.4	1403.1	1292.6	854.6	297.6	216.8	210.5	240.2	259.4	253.0	253.0
47.5°	1679.5	1566.8	1398.9	824.9	244.5	204.1	210.5	231.7	240.2	250.9	250.9
50°	1864.4	1743.3	1554.0	778.1	216.8	195.6	210.5	223.2	240.2	246.6	244.5
52.5°	2032.4	1926.1	1647.6	695.2	202.0	189.2	204.1	223.2	244.5	255.1	255.1
55°	2215.2	2106.8	1732.6	620.8	189.2	176.5	210.5	231.7	238.1	244.5	244.5
57.5°	2353.4	2268.4	1826.2	554.9	180.7	176.5	214.7	242.4	240.2	246.6	246.6
60°	2521.3	2446.9	1911.2	523.0	167.9	167.9	223.2	261.5	244.5	263.6	263.6
62.5°	2699.9	2655.3	1994.1	499.6	155.2	163.7	225.3	276.4	253.0	282.7	284.9
65°	2872.1	2880.6	2070.6	444.3	144.6	163.7	229.6	295.5	261.5	299.8	304.0
67.5°	2959.3	3029.4	2091.9	357.2	133.9	161.6	242.4	310.4	274.2	316.8	318.9
70°	2942.3	3033.7	2043.0	263.6	125.4	170.1	261.5	323.1	280.6	338.0	338.0
72.5°	2793.5	2859.4	1898.4	199.8	116.9	163.7	265.7	327.4	284.9	372.0	372.0
75°	2583.0	2515.0	1562.6	165.8	110.5	163.7	259.4	323.1	280.6	363.5	361.4
77.5°	2240.7	2013.2	1077.8	146.7	104.2	157.3	242.4	314.6	267.9	338.0	342.3
80°	1437.1	1239.4	550.6	127.6	110.5	150.9	233.9	291.3	248.7	301.9	304.0
82.5°	654.8	550.6	250.9	112.7	108.4	136.1	212.6	259.4	216.8	257.2	255.1
85°	276.4	280.6	197.7	95.7	95.7	106.3	157.3	202.0	167.9	180.7	176.5
87.5°	214.7	206.2	136.1	57.4	61.7	46.8	102.0	144.6	110.5	116.9	114.8
90°	227.5	223.2	144.6	59.5	44.6	27.6	76.5	112.7	82.9	74.4	72.3
92.5°	242.4	240.2	161.6	63.8	44.6	23.4	65.9	91.4	59.5	51.0	48.9
95°	259.4	259.4	176.5	68.0	44.6	23.4	59.5	70.2	44.6	34.0	31.9
97.5°	206.2	210.5	150.9	70.2	42.5	23.4	53.1	57.4	34.0	19.1	19.1
100°	82.9	91.4	82.9	70.2	38.3	19.1	42.5	44.6	23.4	10.6	10.6
102.5°	19.1	23.4	57.4	61.7	29.8	12.8	27.6	27.6	14.9	6.4	6.4
105°	19.1	17.0	38.3	48.9	17.0	8.5	12.8	17.0	8.5	4.3	4.3
107.5°	19.1	19.1	17.0	23.4	8.5	6.4	6.4	6.4	4.3	4.3	4.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.5	23.4	10.6	8.5	6.4	6.4	4.3	4.3	6.4	21.3	21.3
115°	21.3	19.1	10.6	6.4	6.4	6.4	4.3	2.1	6.4	23.4	23.4
117.5°	19.1	17.0	10.6	6.4	4.3	6.4	4.3	2.1	6.4	23.4	23.4
120°	21.3	19.1	10.6	6.4	4.3	4.3	4.3	2.1	6.4	21.3	21.3
122.5°	21.3	21.3	12.8	4.3	4.3	2.1	4.3	2.1	6.4	19.1	19.1
125°	19.1	17.0	10.6	4.3	2.1	2.1	2.1	2.1	8.5	17.0	19.1
127.5°	17.0	14.9	8.5	4.3	2.1	2.1	2.1	2.1	6.4	12.8	14.9
130°	12.8	12.8	6.4	4.3	2.1	2.1	2.1	2.1	6.4	12.8	10.6
132.5°	8.5	8.5	6.4	4.3	2.1	2.1	2.1	2.1	6.4	8.5	8.5
135°	6.4	6.4	4.3	2.1	2.1	2.1	2.1	2.1	4.3	6.4	6.4
137.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3
140°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
142.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
145°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
150°	2.1	2.1	2.1	2.1	4.3	2.1	2.1	4.3	2.1	2.1	2.1
152.5°	2.1	2.1	2.1	4.3	2.1	2.1	2.1	2.1	6.4	6.4	4.3
155°	6.4	6.4	4.3	2.1	2.1	2.1	2.1	2.1	4.3	2.1	2.1
157.5°	2.1	2.1	2.1	2.1	2.1	0.0	2.1	0.0	0.0	2.1	0.0
160°	0.0	0.0	2.1	2.1	2.1	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°	19.1	19.1	6.4	8.5	4.3	4.3	4.3	6.4	8.5	19.1
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110°	21.3	19.1	8.5	8.5	6.4	6.4	4.3	4.3	2.1	12.8	14.9
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(END OF REPORT)