

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: P560737

Luminaire Tested: **SDL-PA1-60-740-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560737
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-PA1-60-740-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 800mA 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: 5094.6 lumens
Efficiency: N/A
Efficacy: 81.6 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 - G1

Input Watts (W): 62.4
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



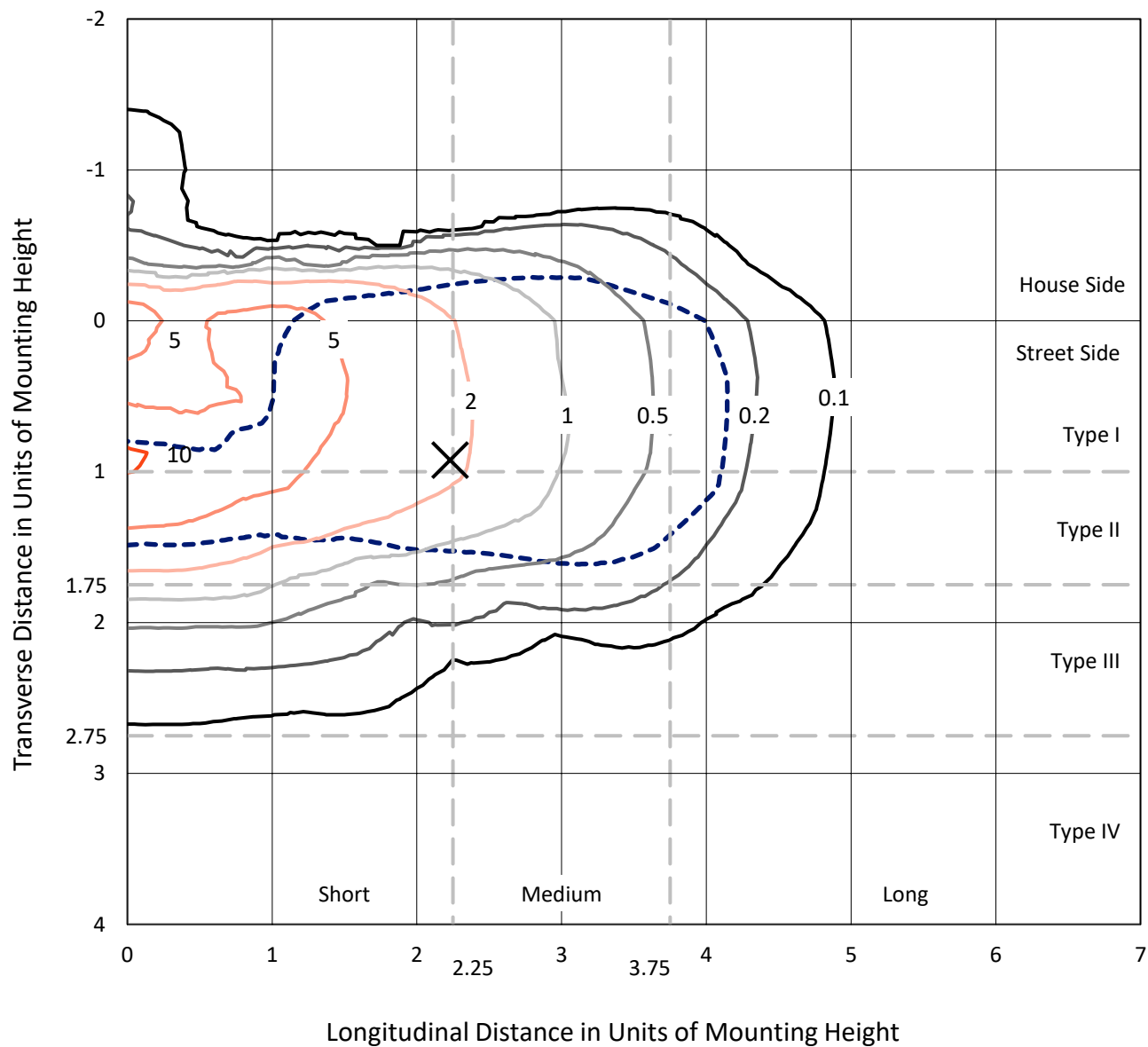
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



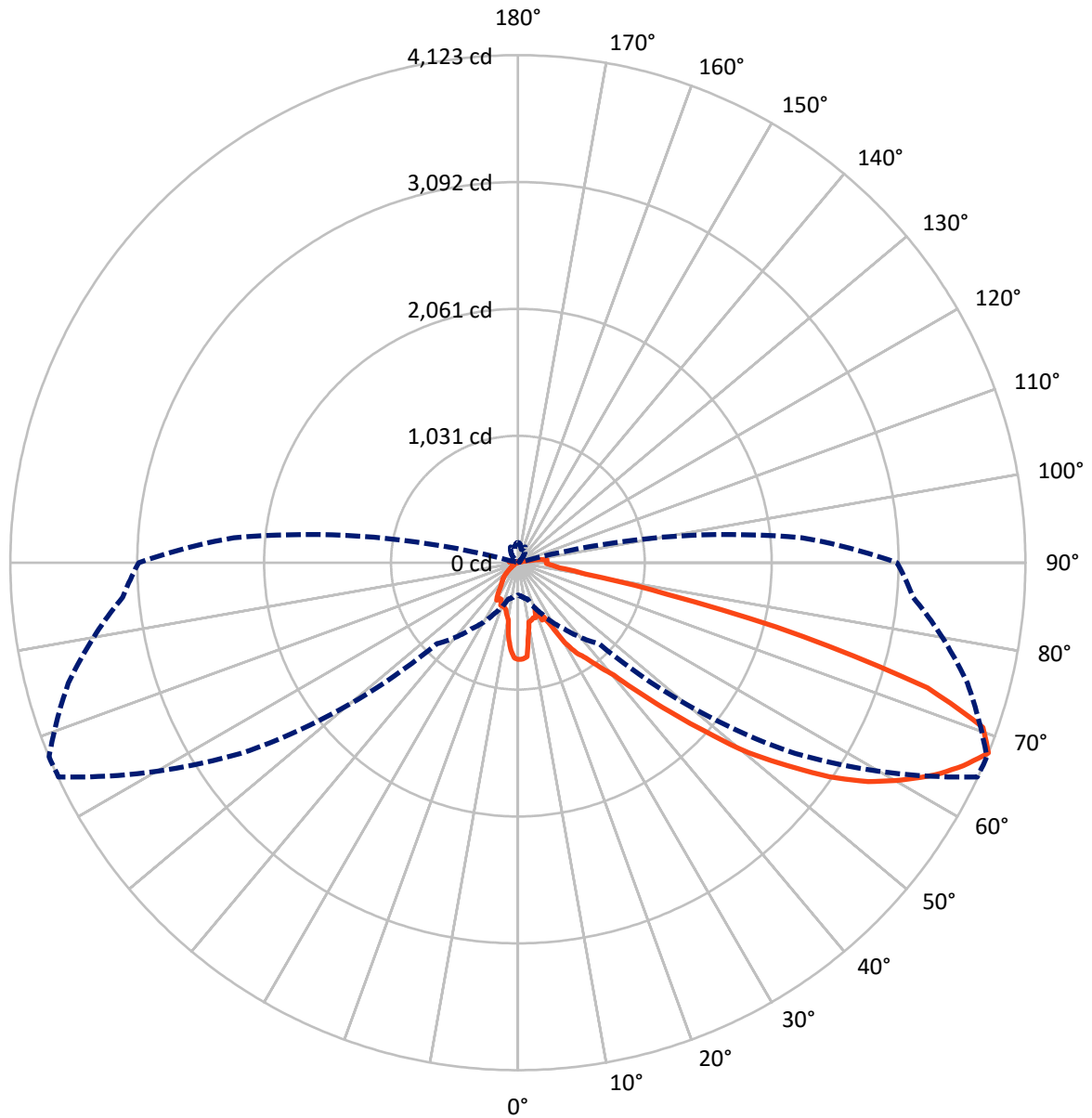
Based on 10 foot mounting height. Maximum calculated value = 10.3 fc

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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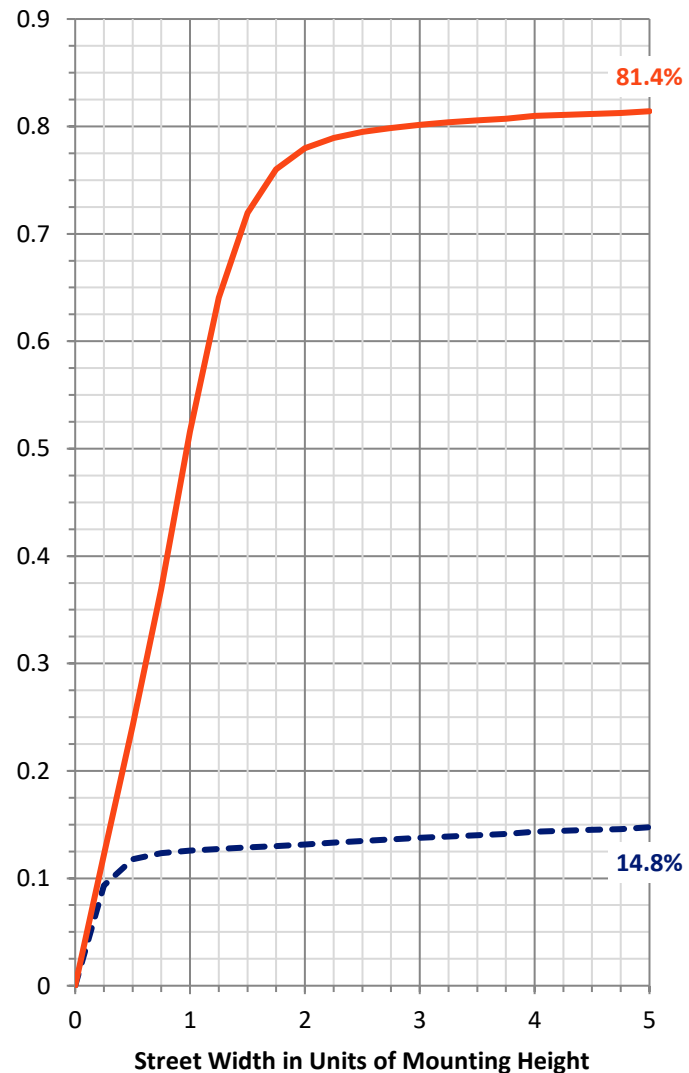
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	797.2	59.4	856.6
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	4174.8	63.1	4238.0
	% Fixture	81.9	1.2	83.2
Total	Lumens	4972.1	122.5	5094.6
	% Fixture	97.6	2.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.4	1.2
10°-20°	115.2	2.3
20°-30°	173.8	3.4
30°-40°	400.1	7.9
40°-50°	892.0	17.5
50°-60°	1327.3	26.1
60°-70°	1183.8	23.2
70°-80°	664.5	13.0
80°-90°	155.1	3.0
90°-100°	85.2	1.7
100°-110°	19.6	0.4
110°-120°	7.7	0.2
120°-130°	5.1	0.1
130°-140°	2.6	0.1
140°-150°	1.3	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4972.1	97.6
0°-180°	5094.6	100.0



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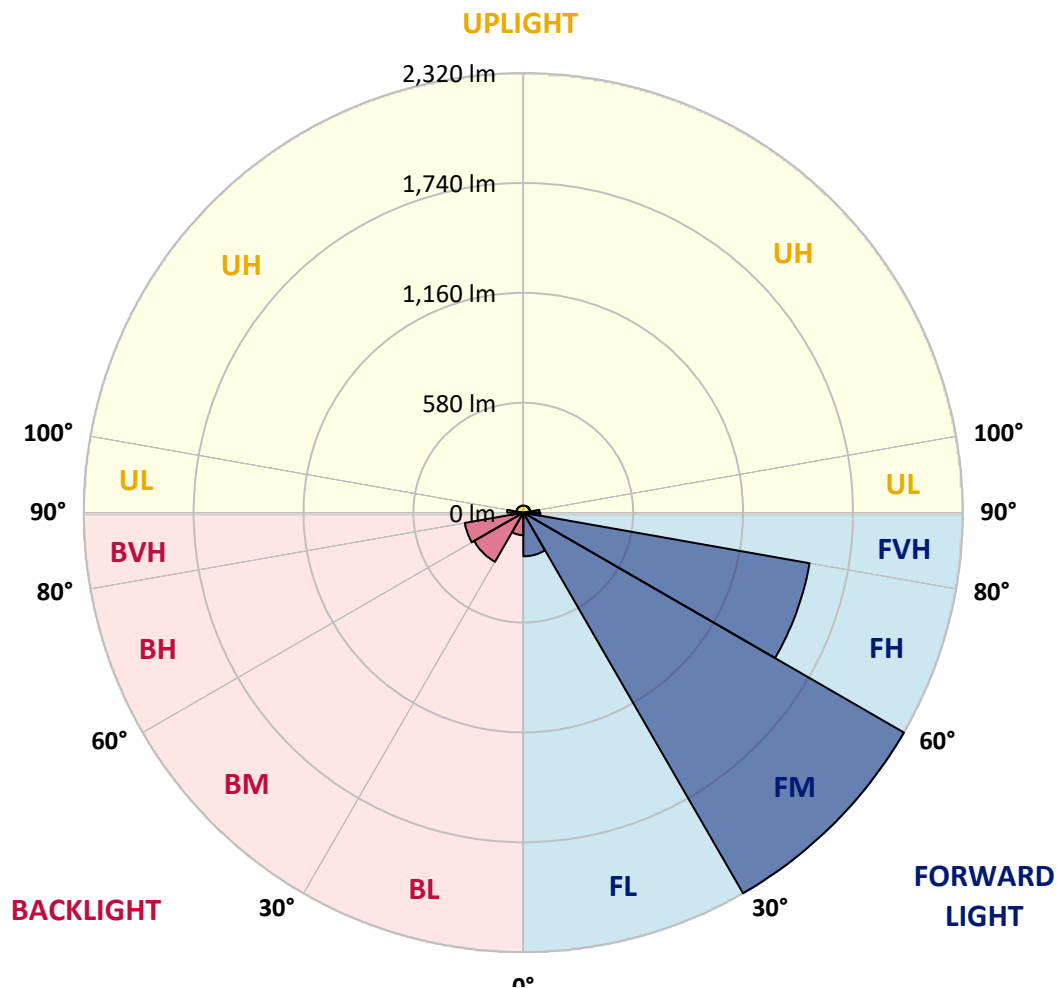
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	230.5	4.5			
FM	(30°-60°)	2319.8	45.5			
FH	(60°-80°)	1534.6	30.1			G1/1800
FVH	(80°-90°)	90.0	1.8			G1/100
BL	(0°-30°)	118.8	2.3	B1/500		
BM	(30°-60°)	299.7	5.9	B1/1000		
BH	(60°-80°)	313.7	6.2	B1/500		G1/500
BVH	(80°-90°)	65.1	1.3			G1/100
UL	(90°-100°)	85.2	1.7		U3/500	
UH	(100°-180°)	37.4	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9
2.5°	666.2	704.3	745.1	772.3	777.7	785.9	785.9	783.2	783.2	780.5	780.5
5°	647.2	644.5	647.2	652.6	649.9	649.9	649.9	758.7	766.9	772.3	772.3
7.5°	557.5	571.1	614.6	630.9	636.3	641.8	641.8	633.6	603.7	669.0	677.1
10°	606.4	603.7	603.7	609.1	568.3	552.0	497.6	489.5	489.5	511.2	581.9
12.5°	508.5	538.4	579.2	595.5	549.3	486.8	473.2	484.0	481.3	421.5	492.2
15°	576.5	576.5	571.1	560.2	432.4	484.0	407.9	407.9	465.0	500.4	562.9
17.5°	467.7	481.3	549.3	541.2	475.9	364.4	475.9	437.8	470.5	440.5	473.2
20°	573.8	571.1	573.8	437.8	484.0	500.4	475.9	426.9	388.9	511.2	565.6
22.5°	473.2	467.7	494.9	541.2	456.9	519.4	435.1	519.4	505.8	454.1	407.9
25°	611.9	609.1	614.6	478.6	535.7	465.0	535.7	465.0	486.8	581.9	595.5
27.5°	552.0	549.3	541.2	584.7	508.5	587.4	505.8	568.3	584.7	630.9	731.5
30°	777.7	766.9	739.7	587.4	598.3	565.6	598.3	698.9	753.3	845.7	875.6
32.5°	1134.0	1076.9	897.4	777.7	633.6	723.4	677.1	821.2	872.9	919.1	943.6
35°	1465.7	1441.3	1310.7	1027.9	772.3	799.5	764.1	919.1	949.1	1047.0	1041.5
37.5°	1919.9	1879.1	1677.8	1327.1	970.8	959.9	870.2	1047.0	1068.7	1210.1	1182.9
40°	2259.8	2227.2	2069.4	1647.9	1234.6	1139.4	1017.0	1223.7	1199.2	1389.6	1351.5
42.5°	2586.1	2567.1	2444.7	2015.1	1525.6	1416.8	1169.3	1441.3	1435.8	1601.7	1569.1
45°	2849.9	2828.1	2749.3	2344.1	1860.0	1862.8	1408.6	1680.6	1718.6	1876.4	1792.1
47.5°	3004.9	2958.7	2901.6	2605.2	2197.2	2289.7	1762.1	1952.5	2045.0	2180.9	2053.1
50°	2969.5	2923.3	2928.8	2771.0	2507.3	2656.8	2140.1	2240.8	2425.7	2531.7	2278.8
52.5°	2686.7	2659.5	2749.3	2741.1	2665.0	2994.0	2580.7	2553.5	2735.7	2806.4	2510.0
55°	2284.3	2246.2	2414.8	2534.4	2665.0	3203.4	2988.6	2901.6	3067.4	3056.6	2667.7
57.5°	1735.0	1748.6	1938.9	2126.5	2447.4	3244.2	3290.4	3279.6	3355.7	3263.2	2792.8
60°	1185.6	1193.8	1463.0	1675.1	2006.9	3029.4	3388.3	3592.3	3584.1	3437.3	2934.2
62.5°	745.1	742.4	946.3	1280.8	1444.0	2466.5	3350.3	3828.9	3799.0	3567.8	3043.0
65°	429.7	440.5	514.0	848.4	1003.4	1683.3	3130.0	4060.0	3975.7	3684.7	3159.9
67.5°	263.8	271.9	307.3	459.6	655.4	930.0	2662.3	4117.1	4122.6	3779.9	3222.4
70°	223.0	225.7	242.0	282.8	456.9	522.1	1792.1	3850.6	4008.3	3801.7	3203.4
72.5°	187.6	190.4	214.8	247.5	339.9	369.8	804.9	3181.7	3480.8	3635.8	3064.7
75°	138.7	141.4	176.8	225.7	247.5	296.4	440.5	2107.5	2390.3	2874.4	2613.3
77.5°	89.7	92.5	125.1	182.2	209.4	233.9	356.2	984.4	1245.5	1661.5	1650.7
80°	59.8	59.8	73.4	127.8	165.9	190.4	310.0	486.8	554.8	685.3	641.8
82.5°	38.1	38.1	46.2	78.9	106.1	190.4	291.0	348.1	337.2	342.6	304.6
85°	16.3	16.3	24.5	43.5	57.1	125.1	261.1	299.1	285.5	285.5	271.9
87.5°	5.4	5.4	8.2	13.6	19.0	38.1	201.2	239.3	231.1	239.3	258.3
90°	5.4	5.4	2.7	5.4	5.4	27.2	163.2	236.6	231.1	242.0	266.5
92.5°	8.2	8.2	2.7	2.7	5.4	21.8	127.8	244.7	236.6	252.9	277.4
95°	13.6	13.6	5.4	2.7	8.2	19.0	78.9	217.5	236.6	250.2	282.8
97.5°	16.3	16.3	5.4	5.4	8.2	16.3	40.8	176.8	182.2	190.4	223.0
100°	21.8	21.8	5.4	5.4	5.4	13.6	21.8	92.5	95.2	68.0	108.8
102.5°	21.8	21.8	5.4	5.4	5.4	8.2	10.9	40.8	38.1	13.6	13.6
105°	24.5	24.5	8.2	5.4	5.4	5.4	5.4	13.6	13.6	8.2	16.3
107.5°	24.5	24.5	8.2	8.2	5.4	5.4	2.7	5.4	8.2	8.2	16.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	13.6	13.6	5.4	8.2	5.4	2.7	2.7	2.7	5.4	10.9	27.2
115°	5.4	5.4	2.7	5.4	2.7	2.7	2.7	5.4	5.4	8.2	21.8
117.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	2.7	8.2	19.0
120°	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	10.9	19.0
122.5°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	10.9	19.0
125°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	8.2	16.3
127.5°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	5.4	16.3
130°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	5.4	10.9
132.5°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	5.4	8.2
135°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	5.4
137.5°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7
140°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	2.7	2.7	5.4	5.4	2.7	0.0	5.4	2.7	2.7	2.7	2.7
152.5°	5.4	5.4	5.4	5.4	2.7	0.0	2.7	5.4	2.7	2.7	2.7
155°	5.4	5.4	2.7	2.7	2.7	0.0	2.7	2.7	2.7	5.4	8.2
157.5°	0.0	0.0	0.0	0.0	2.7	0.0	2.7	2.7	0.0	0.0	2.7
160°	0.0	0.0	0.0	0.0	2.7	0.0	2.7	2.7	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°	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9
2.5°	777.7	777.7	775.0	775.0	766.9	764.1	728.8	690.7	660.8	663.5	663.5
5°	769.6	764.1	756.0	701.6	633.6	622.7	622.7	617.3	614.6	617.3	617.3
7.5°	671.7	666.2	633.6	606.4	609.1	603.7	592.8	590.1	543.9	497.6	494.9
10°	579.2	571.1	484.0	465.0	462.3	481.3	527.6	511.2	494.9	475.9	484.0
12.5°	484.0	481.3	402.5	446.0	388.9	399.7	410.6	394.3	337.2	271.9	280.1
15°	560.2	552.0	456.9	369.8	331.8	334.5	220.3	212.1	171.3	155.0	146.8
17.5°	416.1	456.9	399.7	369.8	334.5	174.0	141.4	108.8	97.9	78.9	81.6
20°	557.5	546.6	456.9	345.4	258.3	146.8	78.9	62.5	76.1	78.9	78.9
22.5°	394.3	383.4	386.1	367.1	182.2	84.3	59.8	62.5	57.1	54.4	54.4
25°	579.2	560.2	467.7	280.1	136.0	54.4	57.1	43.5	51.7	51.7	51.7
27.5°	704.3	639.1	492.2	271.9	76.1	54.4	40.8	43.5	35.4	35.4	35.4
30°	843.0	804.9	644.5	252.9	59.8	43.5	38.1	29.9	32.6	32.6	32.6
32.5°	905.5	853.9	644.5	201.2	51.7	40.8	29.9	27.2	27.2	29.9	29.9
35°	995.3	940.9	641.8	133.2	43.5	32.6	24.5	24.5	24.5	24.5	24.5
37.5°	1131.3	1052.4	652.6	84.3	35.4	27.2	19.0	21.8	21.8	46.2	46.2
40°	1283.5	1193.8	622.7	59.8	29.9	21.8	16.3	27.2	38.1	40.8	40.8
42.5°	1476.6	1378.7	579.2	51.7	27.2	16.3	13.6	21.8	32.6	51.7	51.7
45°	1707.8	1560.9	519.4	46.2	21.8	13.6	13.6	27.2	40.8	48.9	48.9
47.5°	1914.4	1737.7	416.1	43.5	19.0	10.9	19.0	29.9	35.4	57.1	57.1
50°	2156.5	1922.6	318.2	38.1	16.3	10.9	29.9	32.6	40.8	51.7	51.7
52.5°	2335.9	2077.6	242.0	35.4	16.3	8.2	29.9	29.9	46.2	59.8	59.8
55°	2480.1	2161.9	174.0	29.9	13.6	8.2	35.4	38.1	40.8	46.2	46.2
57.5°	2591.6	2221.7	136.0	27.2	13.6	19.0	43.5	48.9	43.5	46.2	46.2
60°	2719.4	2251.6	100.6	24.5	10.9	19.0	51.7	65.3	48.9	70.7	68.0
62.5°	2836.3	2273.4	81.6	24.5	10.9	21.8	57.1	81.6	65.3	95.2	97.9
65°	2983.1	2300.6	68.0	19.0	10.9	29.9	68.0	108.8	87.0	125.1	130.5
67.5°	3081.0	2316.9	57.1	19.0	10.9	35.4	95.2	141.4	108.8	157.7	163.2
70°	3091.9	2257.1	46.2	19.0	10.9	54.4	130.5	171.3	136.0	201.2	204.0
72.5°	2950.5	2085.8	38.1	21.8	10.9	59.8	152.3	198.5	160.4	266.5	269.2
75°	2384.9	1463.0	35.4	21.8	10.9	76.1	165.9	217.5	179.5	277.4	282.8
77.5°	1465.7	677.1	32.6	24.5	16.3	84.3	168.6	231.1	187.6	277.4	285.5
80°	568.3	334.5	29.9	27.2	38.1	95.2	182.2	233.9	187.6	258.3	269.2
82.5°	263.8	195.8	29.9	29.9	48.9	97.9	179.5	217.5	174.0	231.1	228.4
85°	236.6	193.1	32.6	32.6	51.7	84.3	141.4	184.9	149.6	182.2	182.2
87.5°	231.1	190.4	35.4	40.8	51.7	48.9	108.8	157.7	127.8	136.0	136.0
90°	236.6	198.5	38.1	46.2	43.5	27.2	87.0	130.5	97.9	87.0	84.3
92.5°	252.9	201.2	46.2	54.4	40.8	21.8	73.4	106.1	70.7	57.1	54.4
95°	266.5	206.7	57.1	65.3	43.5	19.0	65.3	84.3	51.7	35.4	32.6
97.5°	223.0	160.4	65.3	70.7	43.5	19.0	57.1	68.0	40.8	19.0	19.0
100°	95.2	70.7	68.0	76.1	40.8	16.3	48.9	54.4	27.2	8.2	10.9
102.5°	19.0	21.8	59.8	70.7	32.6	10.9	32.6	32.6	19.0	2.7	5.4
105°	19.0	16.3	38.1	59.8	19.0	5.4	13.6	19.0	8.2	2.7	2.7
107.5°	19.0	19.0	13.6	29.9	8.2	5.4	5.4	8.2	5.4	2.7	2.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.2	24.5	5.4	8.2	8.2	5.4	2.7	2.7	5.4	19.0	21.8
115°	24.5	21.8	8.2	8.2	5.4	5.4	2.7	2.7	5.4	21.8	24.5
117.5°	19.0	19.0	8.2	5.4	5.4	5.4	2.7	2.7	5.4	21.8	21.8
120°	21.8	19.0	8.2	5.4	2.7	2.7	2.7	2.7	5.4	16.3	16.3
122.5°	21.8	19.0	8.2	5.4	2.7	2.7	2.7	2.7	5.4	16.3	19.0
125°	19.0	16.3	8.2	5.4	2.7	2.7	2.7	2.7	8.2	16.3	16.3
127.5°	16.3	13.6	5.4	2.7	2.7	2.7	2.7	2.7	8.2	13.6	13.6
130°	10.9	10.9	5.4	2.7	2.7	2.7	2.7	2.7	8.2	10.9	10.9
132.5°	8.2	8.2	5.4	2.7	2.7	2.7	2.7	2.7	5.4	10.9	10.9
135°	8.2	5.4	5.4	2.7	2.7	2.7	2.7	2.7	5.4	8.2	8.2
137.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4
140°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7
145°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7
150°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
152.5°	2.7	2.7	5.4	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
155°	8.2	8.2	8.2	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
157.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	2.7	2.7	2.7	2.7	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°	19.0	19.0	8.2	8.2	5.4	2.7	2.7	2.7	5.4	8.2	19.0
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110°	21.8	19.0	5.4	8.2	5.4	5.4	5.4	5.4	2.7	13.6	16.3
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(END OF REPORT)