

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: P560744

Luminaire Tested: **SDL-PA1-60-740-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
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-T4W-A
Description: Springdale
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6914.3 lumens
Efficiency: N/A
Efficacy: 110.8 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: B2 - U3 - G3

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

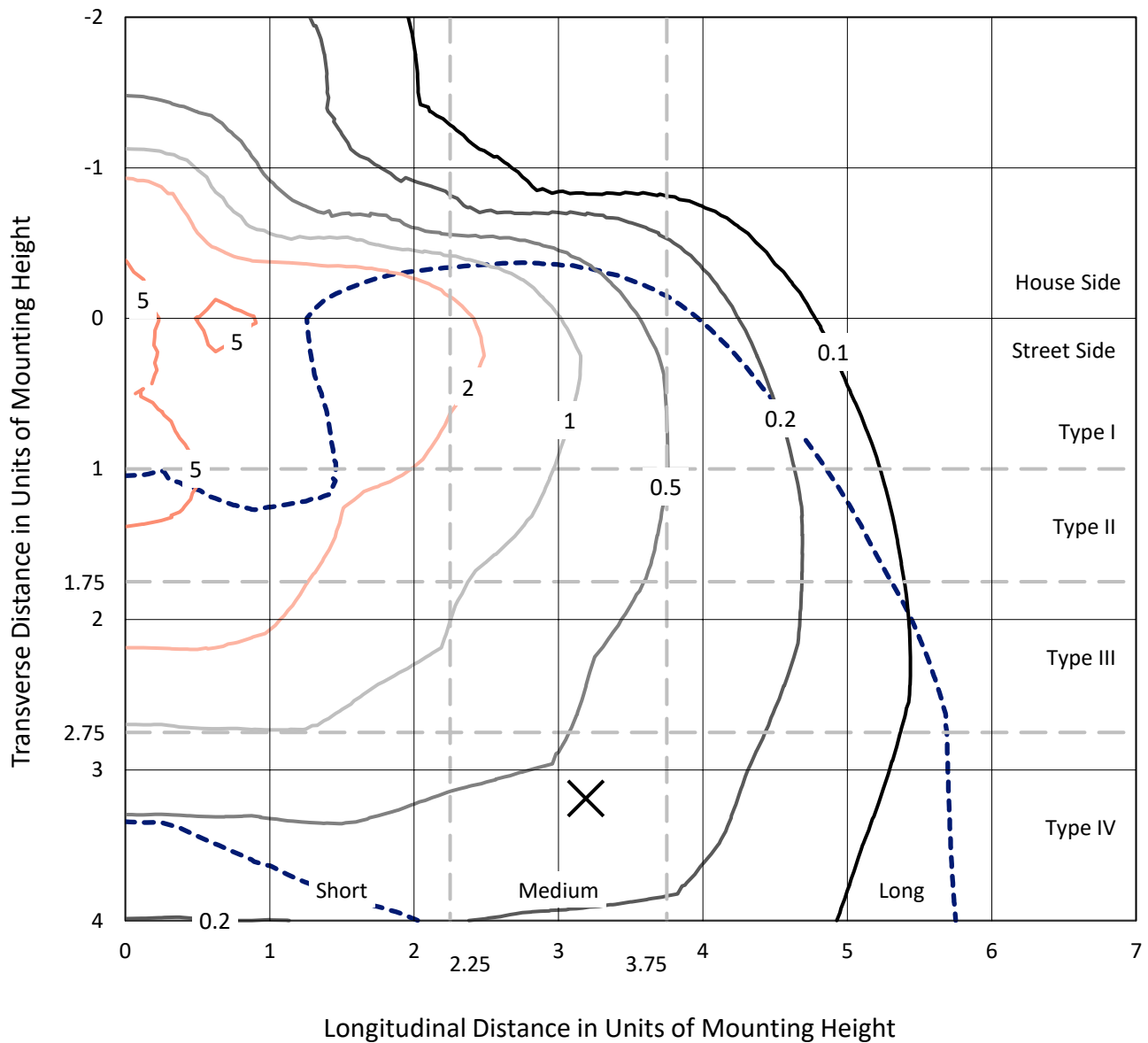


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

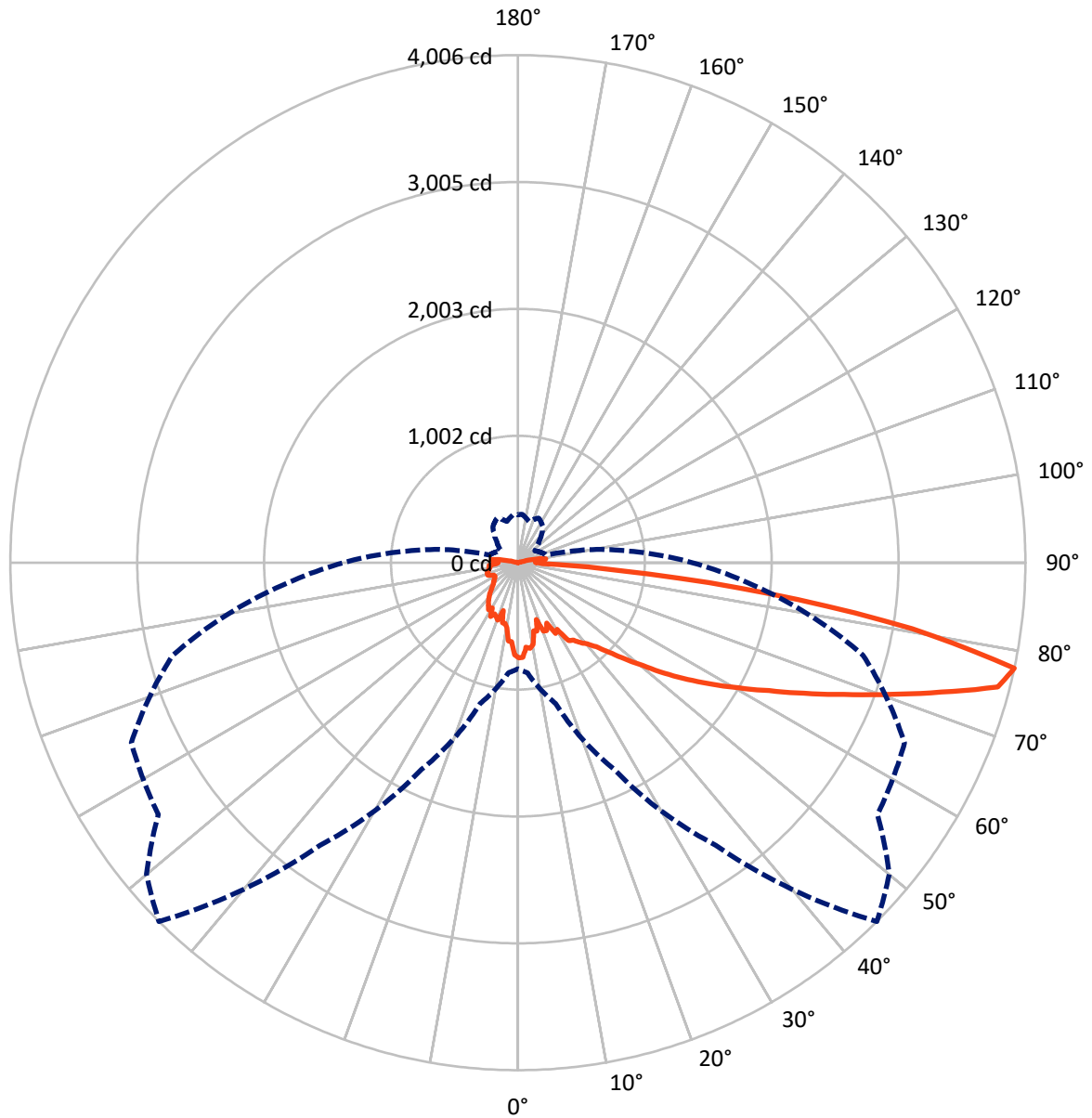


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical

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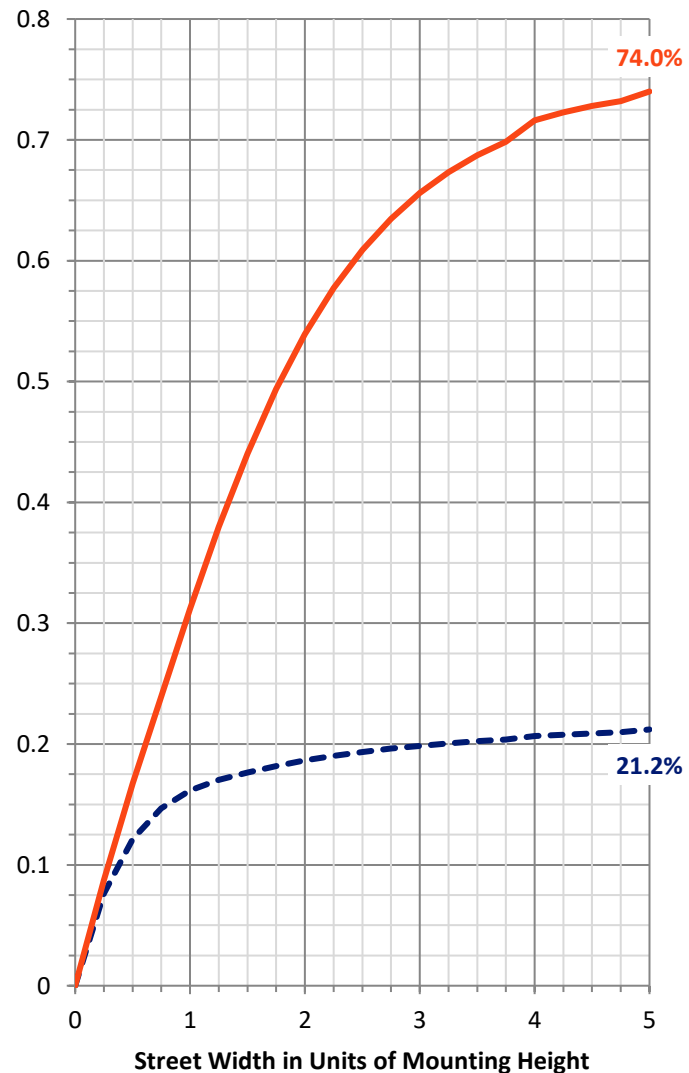
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1547.6	115.4	1663.0
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	5158.0	93.4	5251.3
	% Fixture	74.6	1.4	75.9
Total	Lumens	6705.6	208.8	6914.3
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.4	0.9
10°-20°	154.6	2.2
20°-30°	267.4	3.9
30°-40°	473.8	6.9
40°-50°	734.5	10.6
50°-60°	1182.4	17.1
60°-70°	1738.8	25.1
70°-80°	1674.2	24.2
80°-90°	417.5	6.0
90°-100°	155.7	2.3
100°-110°	34.5	0.5
110°-120°	7.4	0.1
120°-130°	6.2	0.1
130°-140°	2.7	0.0
140°-150°	1.1	0.0
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6705.6	97.0
0°-180°	6914.3	100.0



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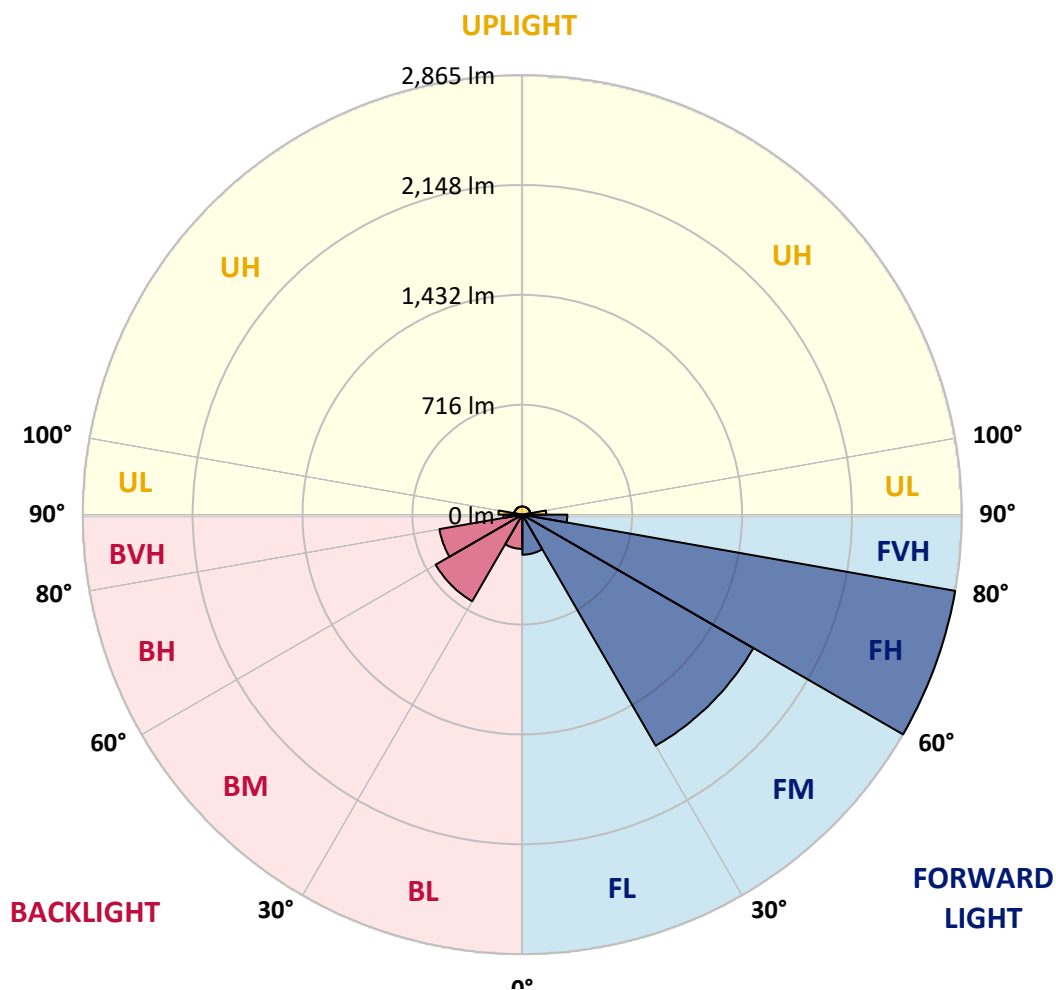
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.0	3.8			
FM	(30°-60°)	1739.1	25.2			
FH	(60°-80°)	2864.7	41.4			G2/5000
FVH	(80°-90°)	293.2	4.2			G3/500
BL	(0°-30°)	223.4	3.2	B1/500		
BM	(30°-60°)	651.6	9.4	B1/1000		
BH	(60°-80°)	548.4	7.9	B2/1000		G2/1000
BVH	(80°-90°)	124.3	1.8			G2/225
UL	(90°-100°)	155.7	2.3		U3/500	
UH	(100°-180°)	53.1	0.8		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6
2.5°	682.6	747.9	737.0	745.2	745.2	747.9	750.6	750.6	753.4	750.6	750.6
5°	696.2	693.5	688.1	682.6	677.2	669.0	669.0	669.0	734.3	739.8	734.3
7.5°	650.0	707.1	701.7	690.8	690.8	682.6	671.8	660.9	641.8	636.4	644.6
10°	734.3	731.6	723.4	707.1	647.3	658.2	590.2	533.1	511.3	524.9	560.3
12.5°	652.7	699.0	718.0	718.0	641.8	552.1	492.3	524.9	505.9	451.5	492.3
15°	769.7	764.2	742.5	707.1	563.0	560.3	527.6	462.3	470.5	511.3	549.4
17.5°	658.2	658.2	737.0	674.5	579.3	470.5	467.8	519.5	475.9	454.2	475.9
20°	794.1	791.4	767.0	560.3	584.7	576.6	475.9	530.3	454.2	522.2	571.1
22.5°	674.5	669.0	707.1	671.8	557.5	582.0	446.0	503.1	541.2	478.7	443.3
25°	794.1	799.6	788.7	598.3	633.7	527.6	538.5	573.9	497.7	606.5	631.0
27.5°	699.0	699.0	669.0	669.0	587.5	633.7	505.9	538.5	592.9	655.4	769.7
30°	856.7	859.4	840.4	644.6	650.0	609.2	587.5	625.5	712.6	851.3	902.9
32.5°	1047.1	1047.1	900.2	769.7	652.7	734.3	620.1	682.6	807.7	878.5	946.4
35°	1166.7	1153.1	1087.9	864.9	704.4	750.6	701.7	726.2	837.7	941.0	990.0
37.5°	1338.1	1332.6	1267.4	949.2	756.1	799.6	728.9	756.1	892.1	987.2	1044.4
40°	1574.7	1547.5	1490.4	1096.0	818.6	843.1	761.5	794.1	957.3	1047.1	1115.1
42.5°	1762.4	1767.8	1727.0	1270.1	922.0	905.7	818.6	843.1	1028.0	1139.5	1215.7
45°	1936.4	1931.0	1939.1	1479.5	1049.8	1006.3	919.3	922.0	1117.8	1253.8	1357.1
47.5°	2056.1	2053.4	2072.4	1675.3	1213.0	1134.1	1030.8	1019.9	1221.1	1449.6	1550.2
50°	2200.2	2192.1	2181.2	1884.7	1397.9	1272.8	1177.6	1139.5	1354.4	1669.9	1795.0
52.5°	2377.0	2358.0	2322.6	2047.9	1601.9	1449.6	1343.5	1291.8	1533.9	1917.4	2077.8
55°	2545.6	2518.4	2488.5	2230.1	1789.6	1626.4	1512.1	1482.2	1767.8	2173.0	2379.7
57.5°	2711.5	2697.9	2673.4	2472.2	2028.9	1811.3	1683.5	1678.0	2039.8	2420.5	2703.4
60°	2866.5	2844.8	2877.4	2733.3	2251.9	2007.1	1871.1	1911.9	2338.9	2668.0	3062.4
62.5°	2961.7	2953.6	3024.3	2972.6	2458.6	2224.7	2086.0	2156.7	2627.2	2910.1	3380.6
65°	2820.3	2842.1	3122.2	3122.2	2697.9	2483.1	2347.1	2390.6	2899.2	3154.8	3671.6
67.5°	2561.9	2591.9	2972.6	3206.5	2912.8	2774.1	2632.7	2657.1	3141.2	3353.4	3908.2
70°	2341.6	2363.4	2717.0	3211.9	3048.8	3111.3	2907.3	2885.6	3328.9	3519.3	3995.2
72.5°	2148.6	2178.5	2469.5	3179.3	3182.0	3494.8	3233.7	3103.2	3500.2	3581.8	3717.8
75°	1702.5	1688.9	2018.0	2795.8	3225.5	3913.6	3617.2	3345.2	3584.5	3367.0	2915.5
77.5°	837.7	873.0	1150.4	1800.4	2722.4	4006.1	3826.6	3464.9	3367.0	2820.3	1819.5
80°	247.5	255.7	320.9	644.6	1563.8	3154.8	3160.3	2866.5	2532.0	1648.1	821.3
82.5°	138.7	141.4	184.9	280.1	641.8	1999.0	2080.6	1721.6	1120.5	609.2	410.7
85°	73.4	76.2	95.2	146.9	326.4	796.9	845.8	658.2	541.2	397.1	301.9
87.5°	35.4	35.4	32.6	49.0	119.7	193.1	214.9	244.8	217.6	204.0	250.2
90°	29.9	29.9	24.5	27.2	65.3	138.7	168.6	187.7	171.3	187.7	274.7
92.5°	32.6	32.6	24.5	27.2	70.7	155.0	184.9	209.4	182.2	201.3	304.6
95°	29.9	32.6	21.8	24.5	70.7	190.4	223.0	228.5	187.7	220.3	326.4
97.5°	24.5	24.5	16.3	19.0	62.6	223.0	244.8	236.6	165.9	168.6	261.1
100°	19.0	19.0	10.9	16.3	43.5	179.5	209.4	198.5	108.8	27.2	65.3
102.5°	16.3	16.3	8.2	13.6	19.0	87.0	111.5	108.8	65.3	16.3	13.6
105°	16.3	16.3	8.2	10.9	10.9	24.5	38.1	49.0	27.2	8.2	13.6
107.5°	16.3	16.3	8.2	5.4	5.4	10.9	13.6	13.6	13.6	8.2	16.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	16.3	16.3	5.4	5.4	2.7	5.4	5.4	5.4	5.4	8.2	16.3
115°	13.6	13.6	2.7	5.4	2.7	2.7	5.4	2.7	5.4	5.4	13.6
117.5°	13.6	10.9	2.7	2.7	2.7	2.7	2.7	2.7	5.4	8.2	16.3
120°	13.6	13.6	5.4	2.7	2.7	2.7	2.7	2.7	5.4	10.9	19.0
122.5°	13.6	13.6	5.4	2.7	0.0	2.7	2.7	2.7	5.4	10.9	21.8
125°	16.3	13.6	5.4	2.7	0.0	0.0	2.7	2.7	2.7	10.9	19.0
127.5°	13.6	10.9	5.4	2.7	0.0	0.0	2.7	2.7	2.7	8.2	16.3
130°	13.6	10.9	5.4	0.0	0.0	0.0	2.7	2.7	2.7	8.2	13.6
132.5°	10.9	8.2	5.4	0.0	0.0	0.0	2.7	2.7	2.7	5.4	10.9
135°	8.2	8.2	2.7	0.0	2.7	0.0	2.7	2.7	2.7	2.7	8.2
137.5°	5.4	5.4	2.7	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
140°	2.7	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
142.5°	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7
145°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	8.2	8.2	8.2	5.4	2.7	2.7	2.7	5.4	2.7	2.7	2.7
152.5°	8.2	8.2	8.2	5.4	0.0	0.0	2.7	2.7	5.4	2.7	2.7
155°	5.4	5.4	5.4	0.0	0.0	0.0	2.7	2.7	2.7	5.4	5.4
157.5°	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
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°	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6
2.5°	747.9	745.2	742.5	739.8	734.3	728.9	715.3	658.2	658.2	660.9	660.9
5°	734.3	731.6	723.4	671.8	641.8	625.5	631.0	631.0	631.0	633.7	639.1
7.5°	641.8	639.1	601.1	598.3	609.2	622.8	631.0	617.4	590.2	590.2	590.2
10°	560.3	557.5	489.5	475.9	489.5	522.2	606.5	622.8	633.7	636.4	641.8
12.5°	489.5	481.4	421.6	465.1	435.1	489.5	565.7	628.2	571.1	560.3	560.3
15°	543.9	541.2	470.5	408.0	410.7	489.5	448.7	590.2	622.8	628.2	631.0
17.5°	475.9	470.5	432.4	429.7	454.2	394.4	497.7	563.0	535.8	543.9	543.9
20°	568.4	565.7	495.0	410.7	405.2	481.4	440.6	511.3	609.2	628.2	631.0
22.5°	440.6	440.6	454.2	481.4	437.9	459.6	470.5	541.2	522.2	533.1	565.7
25°	625.5	620.1	549.4	432.4	470.5	443.3	492.3	514.0	603.8	625.5	631.0
27.5°	758.8	745.2	590.2	486.8	424.3	475.9	473.2	497.7	511.3	595.6	606.5
30°	894.8	881.2	758.8	546.7	440.6	410.7	451.5	533.1	614.6	628.2	639.1
32.5°	943.7	932.9	775.1	579.3	443.3	437.9	448.7	533.1	674.5	728.9	739.8
35°	995.4	981.8	791.4	565.7	432.4	408.0	424.3	549.4	671.8	707.1	715.3
37.5°	1058.0	1033.5	810.5	538.5	402.5	386.2	405.2	500.4	639.1	674.5	679.9
40°	1136.8	1112.4	834.9	508.6	372.6	359.0	369.9	465.1	560.3	590.2	603.8
42.5°	1256.5	1210.3	845.8	484.1	345.4	331.8	342.7	418.8	492.3	511.3	519.5
45°	1411.5	1329.9	862.1	451.5	320.9	301.9	318.2	383.5	418.8	418.8	418.8
47.5°	1601.9	1471.3	870.3	424.3	291.0	274.7	291.0	348.1	367.2	356.3	353.6
50°	1835.8	1650.8	911.1	391.6	266.5	252.9	280.1	307.3	315.5	320.9	320.9
52.5°	2110.5	1857.5	935.6	359.0	250.2	242.1	269.2	288.3	291.0	296.4	296.4
55°	2409.6	2083.3	949.2	329.1	239.3	228.5	258.4	277.4	277.4	282.8	282.8
57.5°	2719.7	2344.4	984.5	307.3	228.5	217.6	247.5	280.1	269.2	280.1	282.8
60°	3046.0	2586.4	954.6	285.6	212.1	209.4	250.2	299.2	296.4	310.0	312.8
62.5°	3353.4	2779.5	821.3	266.5	201.3	212.1	280.1	337.2	329.1	350.8	350.8
65°	3527.4	2844.8	603.8	255.7	193.1	228.5	310.0	375.3	348.1	359.0	353.6
67.5°	3565.5	2779.5	435.1	242.1	190.4	255.7	331.8	383.5	345.4	356.3	356.3
70°	3475.8	2627.2	350.8	231.2	187.7	258.4	337.2	383.5	348.1	372.6	367.2
72.5°	3070.5	2235.6	299.2	220.3	187.7	252.9	345.4	386.2	356.3	397.1	388.9
75°	2314.5	1672.6	263.8	209.4	176.8	244.8	350.8	388.9	345.4	388.9	383.5
77.5°	1376.2	954.6	233.9	195.8	163.2	236.6	345.4	388.9	337.2	383.5	378.0
80°	582.0	448.7	198.5	171.3	149.6	225.7	340.0	386.2	323.6	372.6	364.4
82.5°	367.2	304.6	168.6	141.4	146.9	223.0	342.7	380.8	318.2	375.3	348.1
85°	296.4	250.2	144.1	119.7	136.0	228.5	329.1	345.4	274.7	323.6	315.5
87.5°	250.2	209.4	65.3	51.7	100.6	176.8	250.2	258.4	198.5	252.9	242.1
90°	274.7	228.5	62.6	43.5	89.7	155.0	231.2	225.7	190.4	242.1	239.3
92.5°	299.2	242.1	59.8	46.2	100.6	168.6	252.9	228.5	201.3	244.8	242.1
95°	310.0	247.5	57.1	49.0	119.7	184.9	269.2	223.0	212.1	225.7	223.0
97.5°	233.9	179.5	54.4	51.7	125.1	209.4	252.9	187.7	138.7	138.7	136.0
100°	59.8	59.8	49.0	49.0	84.3	152.3	193.1	138.7	78.9	59.8	62.6
102.5°	16.3	19.0	43.5	46.2	46.2	68.0	108.8	89.7	51.7	8.2	8.2
105°	16.3	16.3	29.9	35.4	24.5	21.8	43.5	49.0	38.1	5.4	8.2
107.5°	16.3	16.3	13.6	19.0	8.2	10.9	10.9	13.6	13.6	5.4	5.4



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CANDELA DISTRIBUTION (continued):

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