

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: P560740

Luminaire Tested: **SDL-PA1-60-740-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560740
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
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-T3-A
Description: Springdale
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7017.7 lumens
Efficiency: N/A
Efficacy: 112.5 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

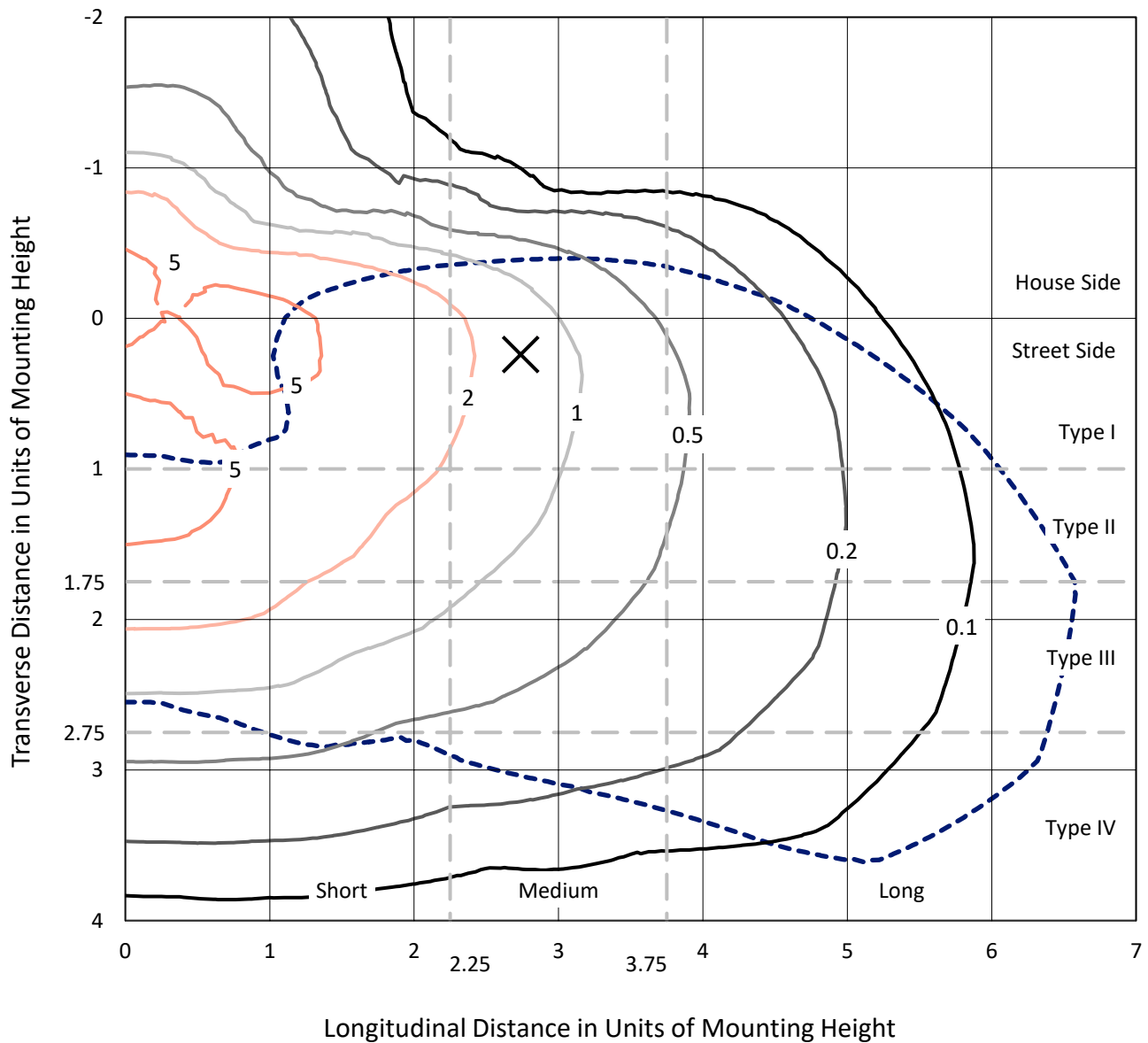


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

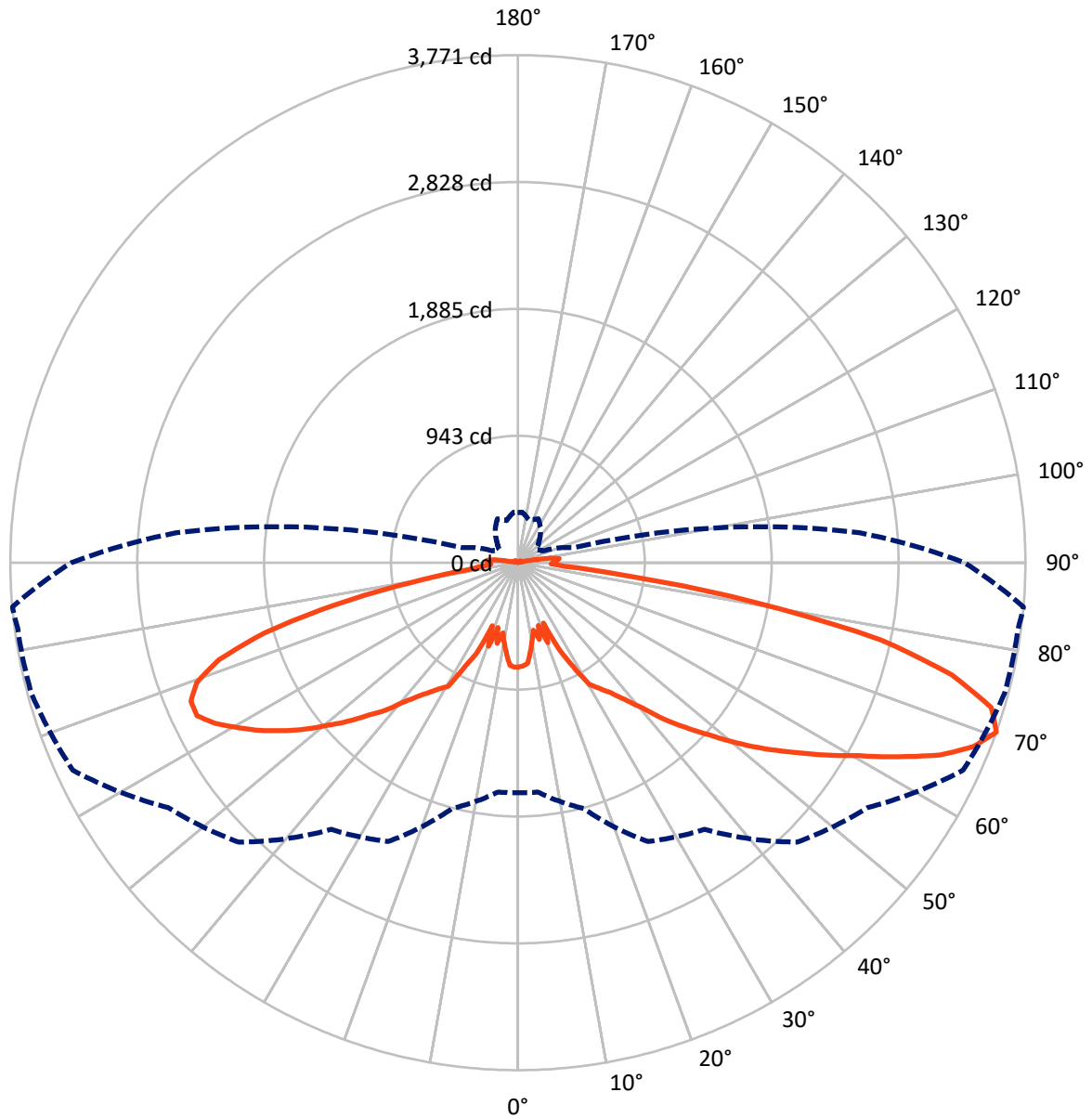


Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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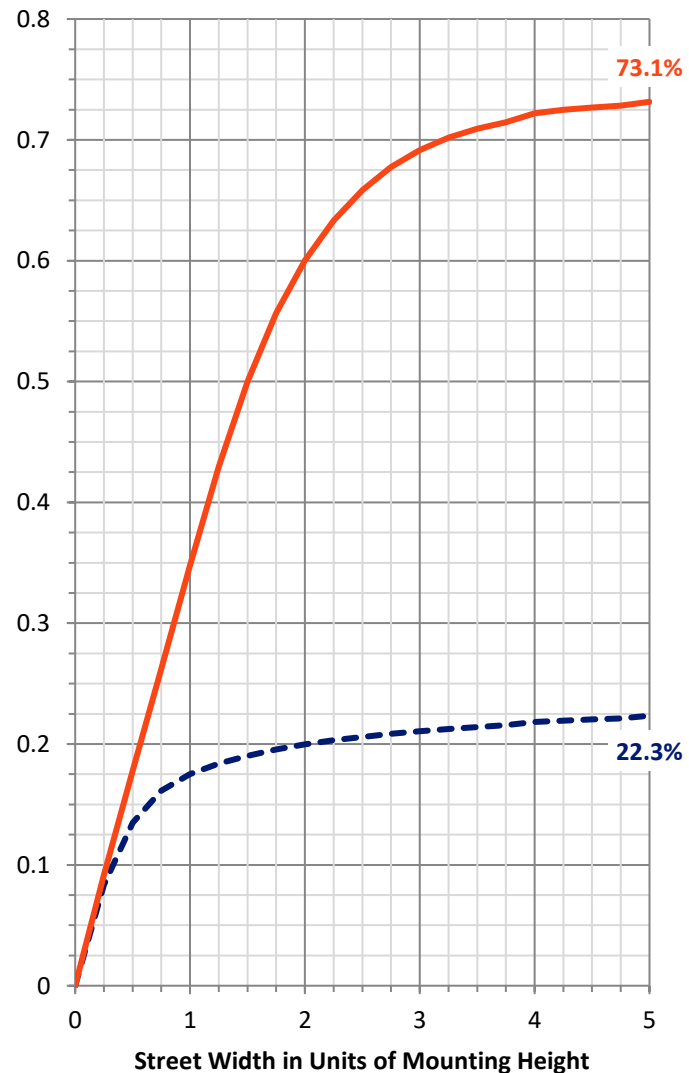
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1649.9	106.3	1756.2
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	5171.8	89.8	5261.5
	% Fixture	73.7	1.3	75.0
Total	Lumens	6821.7	196.0	7017.7
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.2	0.9
10°-20°	154.8	2.2
20°-30°	282.0	4.0
30°-40°	533.2	7.6
40°-50°	891.1	12.7
50°-60°	1390.7	19.8
60°-70°	1724.6	24.6
70°-80°	1409.0	20.1
80°-90°	372.9	5.3
90°-100°	141.6	2.0
100°-110°	30.2	0.4
110°-120°	9.8	0.1
120°-130°	7.6	0.1
130°-140°	3.6	0.1
140°-150°	1.7	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6821.7	97.2
0°-180°	7017.7	100.0



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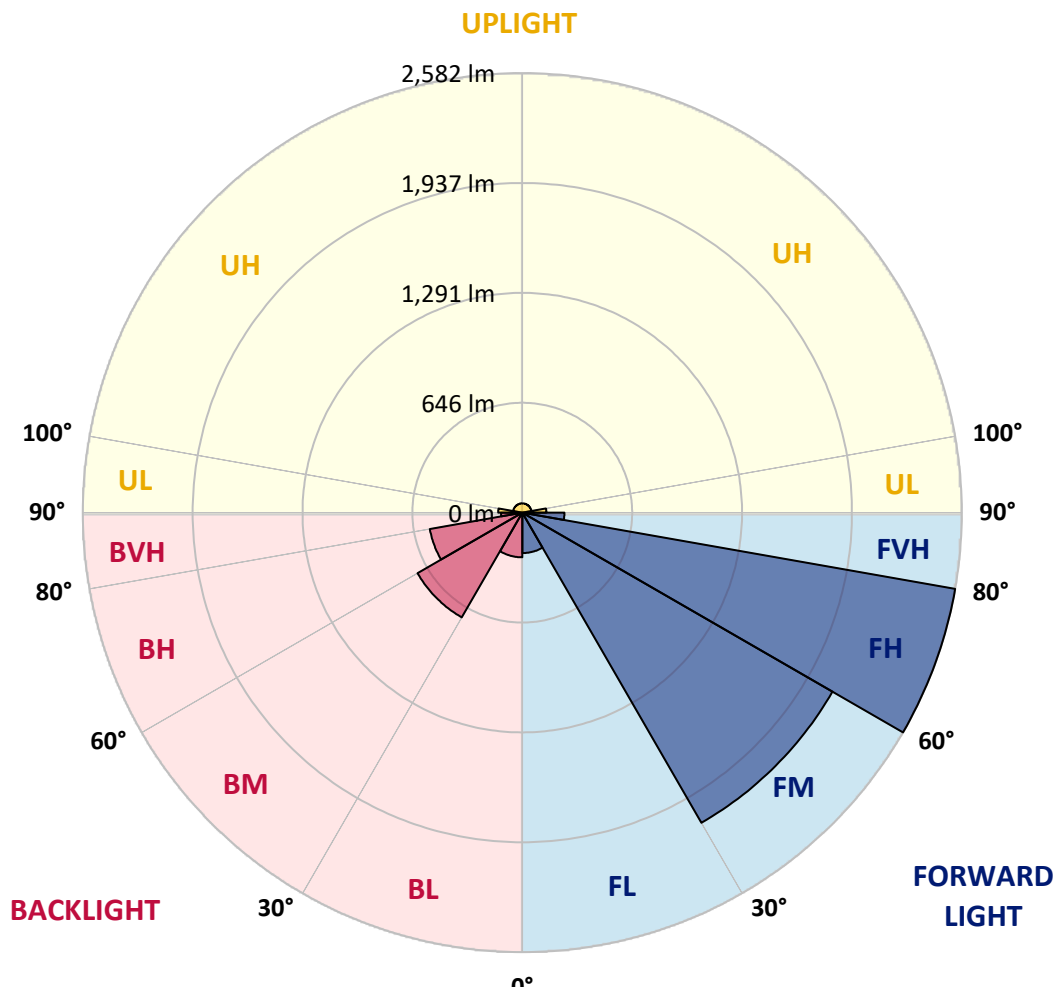
CATALOG NUMBER: SDL-PA1-60-740-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	237.7	3.4			
FM	(30°-60°)	2104.3	30.0			
FH	(60°-80°)	2582.4	36.8			G2/5000
FVH	(80°-90°)	247.4	3.5			G3/500
BL	(0°-30°)	262.4	3.7	B1/500		
BM	(30°-60°)	710.7	10.1	B1/1000		
BH	(60°-80°)	551.3	7.9	B2/1000		G2/1000
BVH	(80°-90°)	125.5	1.8			G2/225
UL	(90°-100°)	141.6	2.0		U3/500	
UH	(100°-180°)	54.4	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°	55°	65°	75°	82.5°	85°
0°	775.4	775.4	775.4	775.4	775.4	775.4	775.4	775.4	775.4	775.4	775.4
2.5°	642.0	704.6	693.7	712.8	723.7	740.0	750.9	756.3	761.8	767.2	767.2
5°	595.8	598.5	601.2	604.0	609.4	617.6	625.7	712.8	740.0	750.9	750.9
7.5°	544.1	541.4	552.3	565.9	584.9	595.8	604.0	606.7	636.6	661.1	666.5
10°	541.4	544.1	544.1	549.5	516.9	514.2	476.1	478.8	519.6	582.2	584.9
12.5°	470.7	484.3	514.2	535.9	503.3	451.6	443.4	465.2	435.3	511.5	514.2
15°	525.1	522.3	522.3	500.6	424.4	446.2	397.2	413.5	506.0	576.8	590.4
17.5°	457.1	451.6	506.0	489.7	440.7	372.7	446.2	440.7	457.1	497.9	489.7
20°	574.0	568.6	557.7	424.4	446.2	467.9	454.3	424.4	535.9	598.5	633.9
22.5°	535.9	541.4	568.6	538.7	459.8	481.5	429.8	522.3	506.0	481.5	487.0
25°	731.8	726.4	699.2	527.8	549.5	448.9	525.1	465.2	642.0	712.8	718.2
27.5°	674.7	666.5	647.5	663.8	557.7	587.6	511.5	609.4	710.1	835.2	873.3
30°	895.1	886.9	865.1	669.3	663.8	582.2	620.3	748.1	957.6	1052.8	1050.1
32.5°	1153.5	1093.7	960.3	857.0	710.1	756.3	710.1	881.5	1020.2	1112.7	1112.7
35°	1311.3	1300.4	1229.7	995.7	827.0	824.3	816.2	971.2	1126.3	1191.6	1186.2
37.5°	1444.6	1463.6	1412.0	1153.5	933.1	954.9	914.1	1093.7	1256.9	1295.0	1289.5
40°	1629.6	1624.2	1597.0	1289.5	1063.7	1061.0	1031.1	1240.6	1401.1	1428.3	1414.7
42.5°	1904.4	1874.4	1792.8	1471.8	1202.5	1202.5	1148.1	1379.3	1577.9	1580.6	1588.8
45°	2241.7	2228.1	2083.9	1754.7	1382.0	1379.3	1289.5	1526.2	1757.5	1771.1	1746.6
47.5°	2475.7	2434.9	2364.1	2013.2	1659.5	1597.0	1460.9	1670.4	1972.4	1961.5	1912.5
50°	2706.9	2674.3	2609.0	2296.1	1947.9	1822.8	1621.4	1820.0	2179.2	2149.2	2103.0
52.5°	2905.5	2862.0	2791.3	2527.4	2200.9	2103.0	1806.4	1956.1	2388.6	2339.7	2296.1
55°	3019.8	2930.0	2935.5	2734.1	2391.4	2312.5	2013.2	2176.4	2592.7	2521.9	2486.6
57.5°	2878.3	2872.9	2962.7	2862.0	2565.5	2486.6	2233.6	2396.8	2804.9	2712.4	2696.1
60°	2736.9	2753.2	2881.0	2900.1	2701.5	2644.4	2424.0	2709.7	3011.6	2911.0	2911.0
62.5°	2541.0	2587.2	2766.8	2913.7	2715.1	2799.4	2622.6	2976.3	3237.4	3144.9	3174.9
65°	2317.9	2317.9	2524.7	2802.2	2671.6	2902.8	2843.0	3267.4	3436.0	3381.6	3444.2
67.5°	2013.2	2018.6	2233.6	2584.5	2592.7	2954.5	3019.8	3495.9	3642.8	3602.0	3648.2
70°	1708.5	1711.2	1890.8	2285.3	2418.6	2935.5	3172.1	3648.2	3743.5	3748.9	3770.7
72.5°	1278.7	1324.9	1493.6	1855.4	2116.6	2856.6	3251.0	3691.8	3740.7	3748.9	3678.2
75°	688.3	710.1	897.8	1207.9	1572.5	2532.8	3226.6	3645.5	3610.2	3514.9	3329.9
77.5°	239.4	250.3	315.6	527.8	892.3	1792.8	2992.6	3444.2	3329.9	3030.7	2758.6
80°	155.1	155.1	171.4	253.0	405.4	848.8	2323.3	2951.8	2682.4	2043.1	1790.1
82.5°	108.8	111.5	125.1	168.7	261.2	364.6	1207.9	1499.0	1477.3	1017.5	857.0
85°	78.9	81.6	87.1	97.9	179.6	225.8	470.7	720.9	666.5	364.6	342.8
87.5°	35.4	40.8	35.4	43.5	70.7	138.7	225.8	223.1	212.2	242.1	247.6
90°	27.2	27.2	21.8	24.5	49.0	125.1	209.5	201.3	214.9	263.9	261.2
92.5°	27.2	27.2	21.8	24.5	46.2	125.1	220.4	195.9	223.1	282.9	285.7
95°	27.2	29.9	21.8	21.8	38.1	127.9	234.0	209.5	236.7	307.4	307.4
97.5°	24.5	24.5	16.3	19.0	29.9	117.0	234.0	179.6	174.1	247.6	244.8
100°	19.0	21.8	10.9	16.3	21.8	70.7	174.1	111.5	49.0	57.1	87.1
102.5°	19.0	19.0	10.9	13.6	16.3	29.9	92.5	65.3	13.6	19.0	19.0
105°	19.0	21.8	10.9	10.9	10.9	13.6	43.5	32.6	10.9	16.3	19.0
107.5°	21.8	21.8	8.2	8.2	8.2	8.2	16.3	13.6	10.9	19.0	21.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	19.0	19.0	8.2	8.2	5.4	5.4	5.4	8.2	10.9	16.3	19.0
115°	13.6	13.6	5.4	8.2	5.4	5.4	5.4	8.2	8.2	13.6	16.3
117.5°	13.6	10.9	5.4	5.4	2.7	5.4	5.4	8.2	10.9	19.0	19.0
120°	13.6	13.6	5.4	2.7	2.7	2.7	2.7	5.4	13.6	21.8	24.5
122.5°	13.6	13.6	5.4	2.7	2.7	2.7	2.7	5.4	13.6	21.8	24.5
125°	16.3	13.6	8.2	2.7	2.7	2.7	2.7	2.7	10.9	19.0	21.8
127.5°	13.6	13.6	8.2	2.7	2.7	2.7	2.7	2.7	8.2	16.3	19.0
130°	13.6	13.6	8.2	2.7	2.7	2.7	2.7	2.7	8.2	13.6	13.6
132.5°	10.9	10.9	8.2	2.7	2.7	2.7	2.7	2.7	5.4	10.9	10.9
135°	10.9	10.9	5.4	2.7	2.7	2.7	2.7	2.7	2.7	8.2	8.2
137.5°	5.4	5.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
140°	0.0	2.7	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°	2.7	2.7	2.7	5.4	5.4	2.7	2.7	2.7	2.7	2.7	2.7
150°	8.2	8.2	8.2	5.4	5.4	2.7	5.4	2.7	2.7	2.7	2.7
152.5°	8.2	8.2	10.9	5.4	2.7	2.7	2.7	5.4	2.7	2.7	2.7
155°	5.4	5.4	5.4	2.7	2.7	2.7	2.7	2.7	5.4	5.4	8.2
157.5°	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
160°	0.0	0.0	0.0	0.0	2.7	2.7	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°	775.4	775.4	775.4	775.4	775.4	775.4	775.4	775.4	775.4	775.4	775.4
2.5°	769.9	775.4	778.1	786.2	786.2	786.2	767.2	720.9	720.9	723.7	726.4
5°	759.0	764.5	775.4	737.3	699.2	696.5	710.1	718.2	720.9	723.7	718.2
7.5°	672.0	682.9	677.4	680.1	699.2	718.2	734.5	723.7	696.5	677.4	682.9
10°	598.5	609.4	549.5	555.0	576.8	631.2	720.9	750.9	769.9	778.1	778.1
12.5°	525.1	533.2	481.5	557.7	519.6	604.0	701.9	775.4	701.9	672.0	672.0
15°	601.2	617.6	555.0	495.1	506.0	612.1	538.7	740.0	761.8	767.2	772.6
17.5°	514.2	503.3	514.2	522.3	568.6	476.1	617.6	696.5	652.9	636.6	644.8
20°	647.5	658.4	601.2	514.2	519.6	606.7	549.5	623.0	742.7	745.4	750.9
22.5°	492.4	506.0	538.7	612.1	535.9	587.6	579.5	647.5	606.7	609.4	631.2
25°	723.7	734.5	677.4	546.8	584.9	530.5	584.9	576.8	680.1	685.6	685.6
27.5°	886.9	862.4	740.0	617.6	514.2	560.4	527.8	549.5	525.1	598.5	609.4
30°	1055.6	1055.6	960.3	688.3	544.1	476.1	481.5	522.3	582.2	593.1	593.1
32.5°	1107.3	1104.5	982.1	745.4	535.9	492.4	443.4	492.4	595.8	647.5	652.9
35°	1180.7	1169.8	1020.2	726.4	516.9	448.9	419.0	495.1	571.3	579.5	574.0
37.5°	1273.2	1246.0	1066.5	691.0	473.4	421.7	402.6	446.2	511.5	511.5	511.5
40°	1387.5	1343.9	1082.8	642.0	427.1	386.3	367.3	413.5	457.1	432.6	424.4
42.5°	1542.5	1477.3	1096.4	606.7	386.3	356.4	331.9	375.4	397.2	383.6	378.2
45°	1686.7	1588.8	1118.1	568.6	353.7	329.2	307.4	345.5	361.8	348.2	345.5
47.5°	1858.1	1727.5	1120.9	533.2	329.2	307.4	291.1	323.7	334.6	334.6	331.9
50°	2035.0	1860.8	1142.6	503.3	304.7	285.7	282.9	307.4	315.6	310.1	307.4
52.5°	2236.3	2010.5	1150.8	465.2	274.8	261.2	274.8	291.1	315.6	318.3	318.3
55°	2451.2	2149.2	1145.3	413.5	253.0	247.6	266.6	302.0	323.7	307.4	304.7
57.5°	2660.7	2288.0	1148.1	356.4	231.2	242.1	269.3	315.6	331.9	312.9	304.7
60°	2848.4	2413.1	1110.0	304.7	214.9	228.5	280.2	329.2	323.7	329.2	321.0
62.5°	3079.6	2543.7	1001.2	272.1	201.3	223.1	280.2	337.3	315.6	337.3	337.3
65°	3270.1	2641.6	846.1	244.8	190.4	223.1	282.9	340.1	307.4	342.8	342.8
67.5°	3351.7	2638.9	612.1	223.1	176.8	217.6	282.9	350.9	315.6	353.7	350.9
70°	3319.1	2549.1	432.6	206.8	168.7	220.4	293.8	359.1	323.7	375.4	372.7
72.5°	3098.7	2336.9	312.9	193.2	157.8	209.5	302.0	370.0	331.9	408.1	408.1
75°	2728.7	1953.3	253.0	179.6	146.9	206.8	304.7	375.4	337.3	413.5	413.5
77.5°	2086.7	1403.8	212.2	166.0	136.0	201.3	302.0	383.6	334.6	413.5	413.5
80°	1251.4	799.8	176.8	149.6	138.7	198.6	307.4	383.6	334.6	408.1	408.1
82.5°	576.8	367.3	157.8	125.1	130.6	195.9	312.9	378.2	321.0	408.1	391.8
85°	321.0	258.5	136.0	106.1	117.0	185.0	296.5	340.1	288.4	337.3	331.9
87.5°	239.4	201.3	87.1	54.4	76.2	130.6	228.5	269.3	217.6	261.2	258.5
90°	255.7	212.2	78.9	54.4	81.6	119.7	214.9	239.4	201.3	242.1	239.4
92.5°	274.8	223.1	78.9	57.1	92.5	130.6	214.9	234.0	198.6	220.4	223.1
95°	288.4	231.2	76.2	62.6	97.9	141.5	209.5	214.9	182.3	190.4	198.6
97.5°	225.8	174.1	68.0	65.3	95.2	114.3	171.4	168.7	125.1	117.0	117.0
100°	70.7	49.0	59.9	68.0	57.1	54.4	100.7	119.7	73.5	49.0	46.2
102.5°	21.8	19.0	54.4	65.3	43.5	24.5	54.4	76.2	54.4	8.2	10.9
105°	21.8	21.8	35.4	54.4	29.9	10.9	21.8	40.8	32.6	8.2	8.2
107.5°	21.8	19.0	13.6	29.9	10.9	8.2	10.9	10.9	10.9	8.2	8.2



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CANDELA DISTRIBUTION (continued):

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