

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: P560733

Luminaire Tested: **SDL-PA1-60-740-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
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-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5698.4 lumens
Efficiency: N/A
Efficacy: 91.3 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: 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



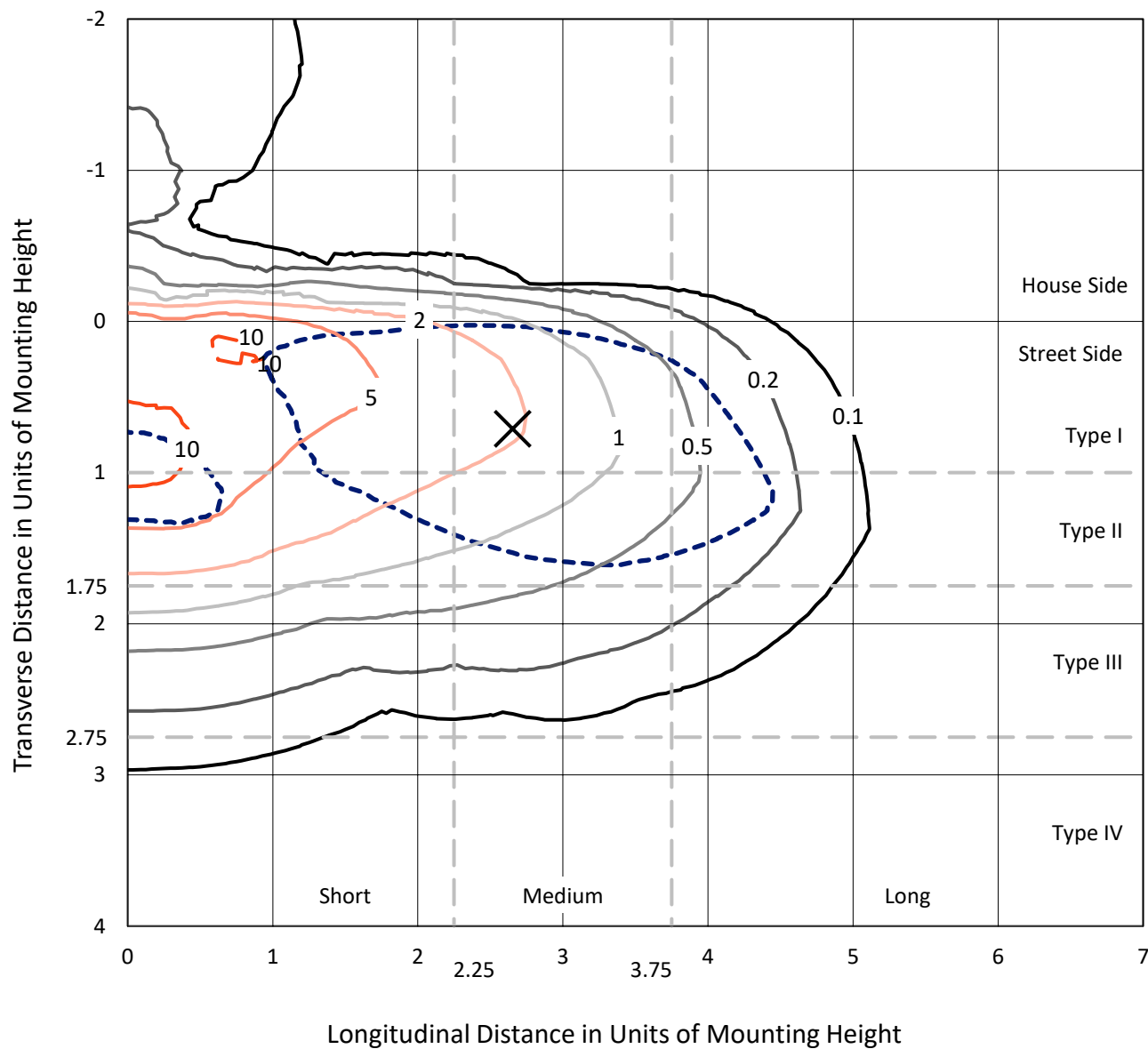
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



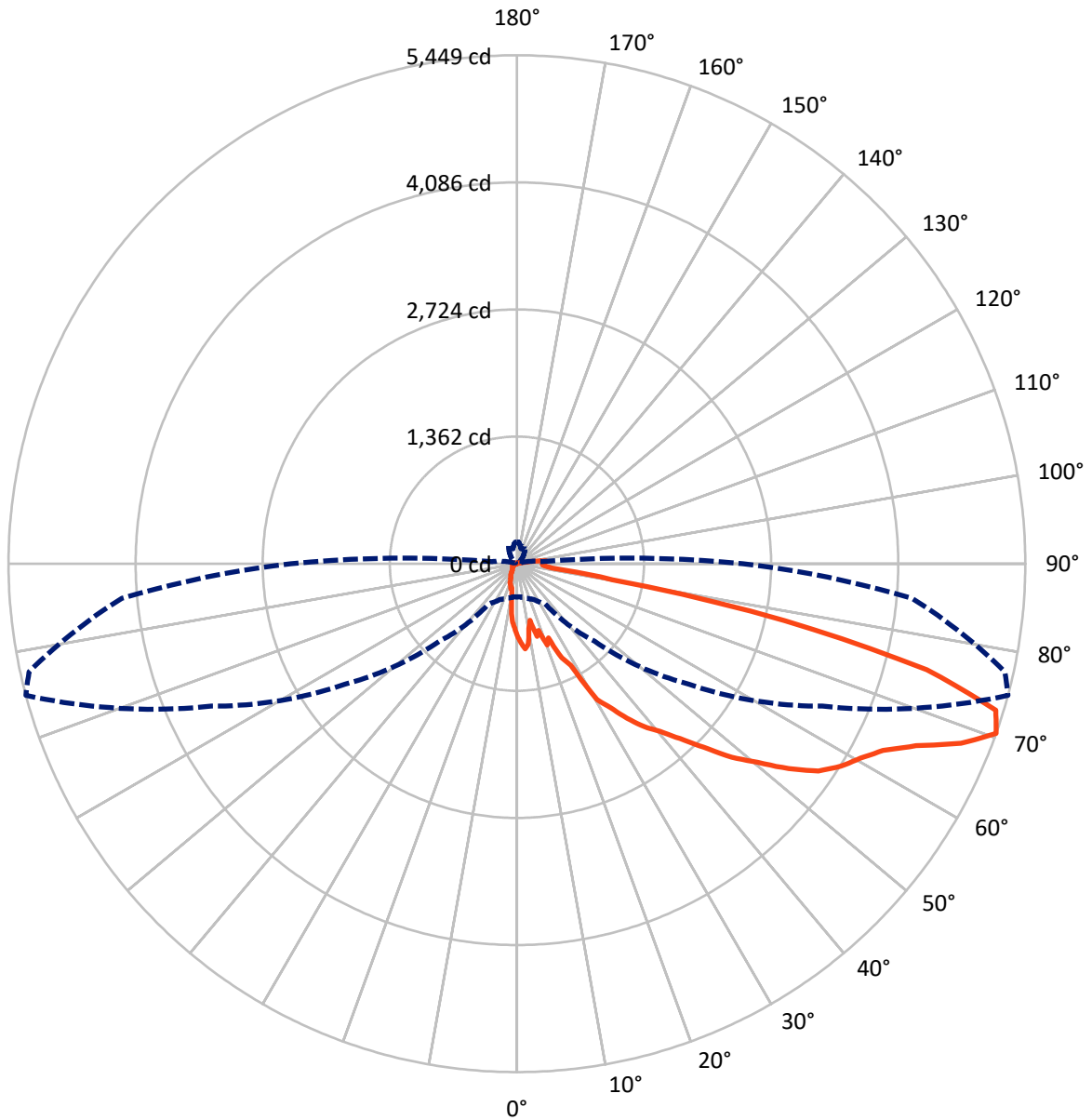
Based on 10 foot mounting height. Maximum calculated value = 14.2 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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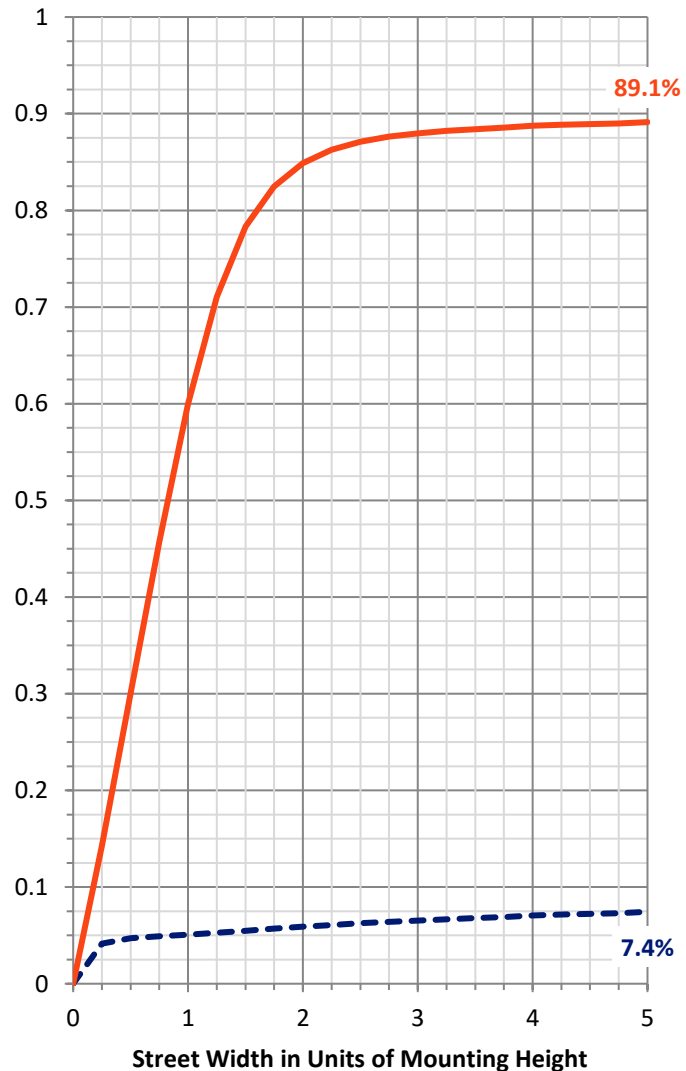
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	464.3	57.6	522.0
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	5103.9	72.6	5176.5
	% Fixture	89.6	1.3	90.8
Total	Lumens	5568.2	130.2	5698.4
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	1.1
10°-20°	150.3	2.6
20°-30°	282.0	4.9
30°-40°	632.9	11.1
40°-50°	1041.5	18.3
50°-60°	1276.7	22.4
60°-70°	1195.8	21.0
70°-80°	778.7	13.7
80°-90°	148.7	2.6
90°-100°	85.3	1.5
100°-110°	19.2	0.3
110°-120°	9.7	0.2
120°-130°	8.2	0.1
130°-140°	4.0	0.1
140°-150°	2.0	0.0
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5568.2	97.7
0°-180°	5698.4	100.0



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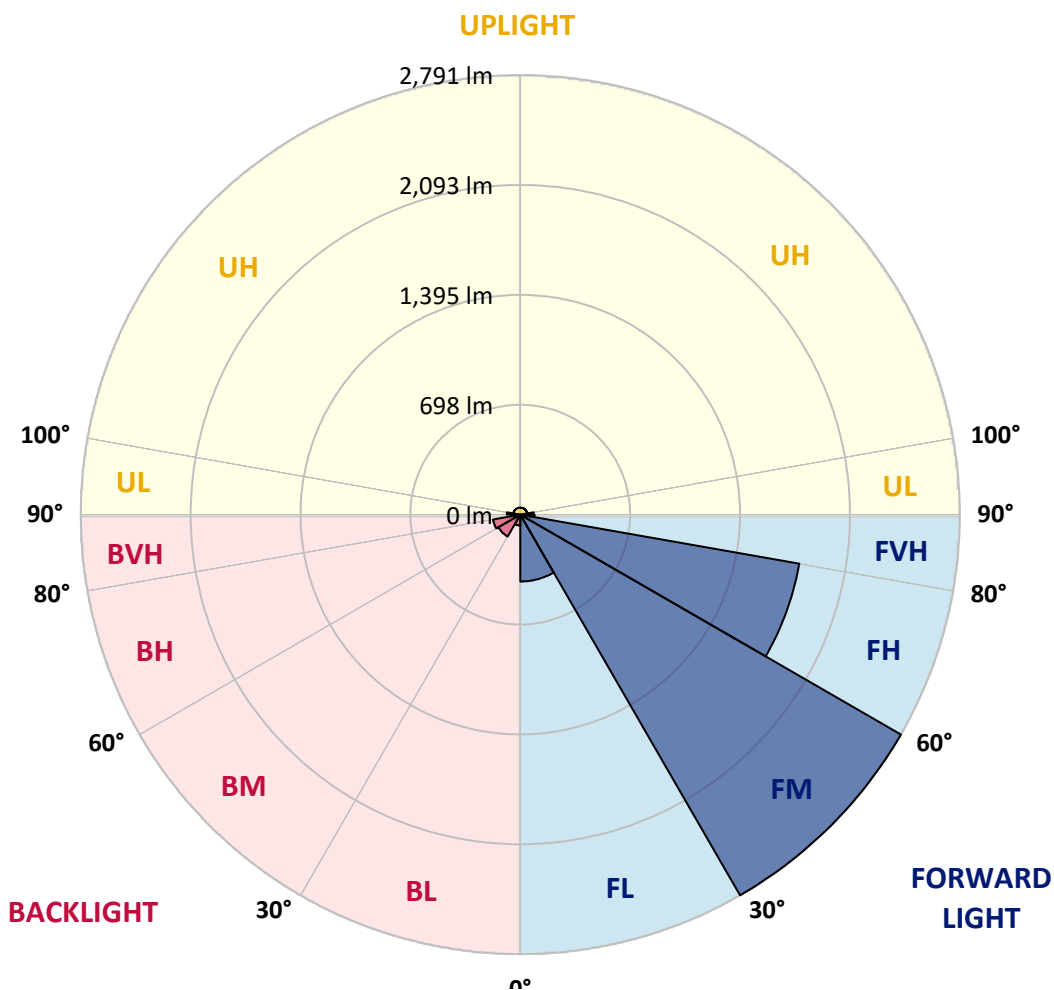
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	424.5	7.4			
FM	(30°-60°)	2790.7	49.0			
FH	(60°-80°)	1798.7	31.6			G1/1800
FVH	(80°-90°)	90.0	1.6			G1/100
BL	(0°-30°)	69.3	1.2	B0/110		
BM	(30°-60°)	160.5	2.8	B0/220		
BH	(60°-80°)	175.8	3.1	B1/500		G1/500
BVH	(80°-90°)	58.7	1.0			G1/100
UL	(90°-100°)	85.3	1.5		U3/500	
UH	(100°-180°)	44.9	0.8		U2/50	

BUG Rating: B1-U3-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	775.2	775.2	775.2	775.2	775.2	775.2	775.2	775.2	775.2	775.2	775.2
2.5°	865.0	919.4	935.7	962.9	976.5	960.2	930.3	892.2	851.4	840.5	805.2
5°	982.0	971.1	962.9	962.9	946.6	911.3	878.6	979.3	916.7	903.1	832.4
7.5°	892.2	976.5	1039.1	1044.5	1036.4	1009.2	962.9	859.6	873.2	856.9	769.8
10°	1079.9	1082.6	1071.7	1079.9	1003.7	965.7	816.1	753.5	704.5	769.8	690.9
12.5°	894.9	1028.2	1104.4	1131.6	1036.4	911.3	835.1	802.5	622.9	606.6	625.6
15°	1093.5	1099.0	1107.1	1079.9	840.5	954.8	775.2	715.4	807.9	786.1	772.5
17.5°	865.0	875.9	1060.9	1050.0	973.8	756.2	922.1	821.5	750.8	723.6	704.5
20°	1101.7	1104.4	1101.7	835.1	908.5	1017.3	867.7	840.5	930.3	919.4	870.5
22.5°	924.9	924.9	987.4	1071.7	954.8	1020.1	884.1	1047.3	865.0	859.6	647.4
25°	1278.5	1278.5	1235.0	946.6	1082.6	960.2	1050.0	941.2	1118.0	1079.9	971.1
27.5°	1243.1	1205.0	1137.0	1194.2	1047.3	1202.3	1017.3	1147.9	1232.2	1267.6	1210.5
30°	1727.3	1727.3	1653.9	1278.5	1226.8	1161.5	1175.1	1373.7	1689.2	1694.7	1463.5
32.5°	2339.3	2295.8	1906.8	1648.4	1341.0	1458.0	1327.4	1615.8	1836.1	1828.0	1555.9
35°	2589.6	2576.0	2456.3	2023.8	1553.2	1596.7	1496.1	1708.3	2034.7	1980.3	1667.5
37.5°	2845.3	2823.5	2701.1	2236.0	1776.3	1833.4	1621.2	1844.3	2216.9	2138.1	1789.9
40°	3003.1	3005.8	2918.7	2404.6	1953.1	1983.0	1770.8	2010.2	2363.8	2380.2	1896.0
42.5°	3169.0	3166.3	3095.6	2603.2	2100.0	2138.1	1890.5	2168.0	2562.4	2581.4	2075.5
45°	3258.8	3253.3	3212.5	2739.2	2216.9	2244.1	2075.5	2361.1	2804.5	2799.1	2222.4
47.5°	3280.5	3288.7	3286.0	2872.5	2339.3	2350.2	2241.4	2502.6	3098.3	3038.4	2415.5
50°	3158.1	3163.6	3201.6	2978.6	2429.1	2440.0	2372.0	2663.1	3345.8	3275.1	2589.6
52.5°	2818.1	2850.7	3011.2	2913.3	2467.2	2508.0	2494.4	2785.5	3647.8	3560.7	2804.5
55°	2094.5	2170.7	2537.9	2668.5	2448.2	2510.7	2603.2	3008.5	3922.5	3816.4	2978.6
57.5°	1670.2	1683.8	1901.4	2260.5	2293.1	2497.1	2717.5	3144.5	4093.9	3987.8	3103.7
60°	1319.3	1341.0	1482.5	1770.8	2002.0	2415.5	2750.1	3283.3	4229.9	4140.1	3242.4
62.5°	1022.8	1020.1	1128.9	1322.0	1613.1	2244.1	2706.6	3367.6	4404.0	4336.0	3490.0
65°	712.7	712.7	805.2	960.2	1221.4	1936.8	2619.5	3487.3	4700.5	4681.4	3797.4
67.5°	486.9	497.8	560.4	636.5	837.8	1575.0	2489.0	3609.7	5133.0	5043.2	4093.9
70°	356.3	356.3	380.8	421.6	522.3	1175.1	2255.0	3612.4	5448.5	5356.0	4248.9
72.5°	263.9	263.9	282.9	301.9	329.1	780.7	1849.7	3383.9	5366.9	5220.0	3933.4
75°	138.7	138.7	214.9	223.1	220.3	506.0	1365.5	2780.0	4537.3	4292.4	3079.2
77.5°	108.8	111.5	122.4	174.1	160.5	331.9	761.6	1711.0	2932.3	2633.1	1667.5
80°	78.9	76.2	95.2	111.5	95.2	193.1	359.1	750.8	1039.1	900.4	549.5
82.5°	46.2	49.0	57.1	81.6	81.6	136.0	233.9	329.1	372.7	369.9	329.1
85°	5.4	8.2	29.9	54.4	49.0	78.9	195.9	228.5	293.8	299.2	293.8
87.5°	5.4	5.4	8.2	10.9	13.6	51.7	165.9	198.6	272.0	291.1	293.8
90°	10.9	8.2	5.4	5.4	8.2	40.8	155.0	204.0	288.3	293.8	307.4
92.5°	13.6	10.9	5.4	2.7	8.2	32.6	146.9	204.0	299.2	318.3	331.9
95°	19.0	16.3	5.4	2.7	8.2	27.2	125.1	193.1	312.8	345.5	359.1
97.5°	24.5	21.8	5.4	5.4	8.2	21.8	97.9	152.3	206.7	233.9	253.0
100°	27.2	27.2	5.4	5.4	8.2	13.6	49.0	84.3	65.3	62.6	70.7
102.5°	29.9	29.9	5.4	5.4	5.4	8.2	16.3	35.4	13.6	13.6	21.8
105°	29.9	29.9	5.4	5.4	5.4	5.4	5.4	13.6	10.9	13.6	24.5
107.5°	27.2	29.9	5.4	8.2	8.2	5.4	5.4	5.4	10.9	16.3	24.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	19.0	13.6	2.7	8.2	5.4	5.4	2.7	5.4	13.6	19.0	27.2
115°	8.2	5.4	2.7	5.4	5.4	5.4	2.7	5.4	13.6	21.8	27.2
117.5°	5.4	2.7	2.7	2.7	2.7	5.4	2.7	8.2	19.0	24.5	32.6
120°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	8.2	24.5	27.2	38.1
122.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	24.5	27.2	38.1
125°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	19.0	24.5	32.6
127.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	13.6	19.0	27.2
130°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	13.6	16.3	21.8
132.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	8.2	10.9	16.3
135°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4	10.9
137.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
140°	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	2.7	2.7	2.7	2.7	5.4	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	5.4	5.4	5.4	2.7	2.7	2.7	2.7	2.7
150°	5.4	8.2	13.6	10.9	5.4	2.7	5.4	2.7	2.7	2.7	2.7
152.5°	13.6	13.6	10.9	10.9	2.7	2.7	5.4	5.4	2.7	2.7	2.7
155°	10.9	10.9	8.2	2.7	2.7	2.7	2.7	5.4	8.2	10.9	8.2
157.5°	0.0	0.0	0.0	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°	775.2	775.2	775.2	775.2	775.2	775.2	775.2	775.2	775.2	775.2	775.2
2.5°	778.0	750.8	690.9	644.7	595.7	568.5	516.8	473.3	440.7	435.2	435.2
5°	778.0	723.6	617.5	503.2	397.1	342.7	312.8	293.8	280.2	274.7	272.0
7.5°	696.4	625.6	484.2	350.9	304.7	255.7	220.3	193.1	168.7	160.5	152.3
10°	609.3	522.3	329.1	242.1	193.1	160.5	144.2	136.0	127.8	125.1	125.1
12.5°	541.3	451.5	263.9	198.6	136.0	114.2	108.8	103.4	100.6	97.9	95.2
15°	661.0	541.3	274.7	136.0	95.2	81.6	76.2	78.9	84.3	84.3	84.3
17.5°	612.0	476.0	228.5	103.4	78.9	59.8	65.3	70.7	76.2	68.0	65.3
20°	731.7	560.4	223.1	81.6	65.3	59.8	57.1	49.0	62.6	62.6	62.6
22.5°	530.4	424.3	168.7	76.2	54.4	51.7	43.5	49.0	51.7	43.5	43.5
25°	786.1	552.2	165.9	59.8	54.4	40.8	43.5	35.4	43.5	43.5	43.5
27.5°	973.8	652.8	146.9	62.6	46.2	40.8	32.6	35.4	32.6	32.6	32.6
30°	1158.8	734.4	133.3	62.6	43.5	32.6	29.9	27.2	32.6	32.6	32.6
32.5°	1213.2	715.4	106.1	65.3	40.8	29.9	24.5	27.2	27.2	29.9	29.9
35°	1275.8	699.1	89.8	57.1	38.1	27.2	21.8	24.5	27.2	29.9	29.9
37.5°	1335.6	671.9	81.6	51.7	32.6	24.5	19.0	21.8	57.1	62.6	62.6
40°	1411.8	639.2	76.2	46.2	27.2	19.0	16.3	43.5	51.7	59.8	59.8
42.5°	1520.6	620.2	70.7	43.5	24.5	16.3	16.3	38.1	73.4	81.6	81.6
45°	1610.3	587.6	68.0	38.1	21.8	13.6	27.2	51.7	59.8	76.2	73.4
47.5°	1721.9	557.6	65.3	35.4	19.0	13.6	29.9	54.4	76.2	87.0	87.0
50°	1841.6	541.3	62.6	32.6	19.0	13.6	51.7	51.7	62.6	97.9	97.9
52.5°	1993.9	530.4	57.1	27.2	16.3	27.2	70.7	62.6	76.2	100.6	100.6
55°	2067.3	495.1	54.4	24.5	13.6	27.2	76.2	70.7	78.9	106.1	106.1
57.5°	2132.6	459.7	49.0	24.5	13.6	35.4	81.6	89.8	76.2	92.5	103.4
60°	2192.5	424.3	43.5	21.8	13.6	43.5	89.8	125.1	106.1	125.1	125.1
62.5°	2331.2	397.1	38.1	24.5	10.9	49.0	117.0	152.3	119.7	152.3	149.6
65°	2461.8	364.5	35.4	21.8	13.6	57.1	127.8	176.8	130.6	176.8	176.8
67.5°	2513.4	323.7	32.6	21.8	13.6	65.3	127.8	195.9	155.0	198.6	201.3
70°	2423.7	266.6	29.9	24.5	16.3	73.4	133.3	209.5	165.9	231.2	231.2
72.5°	2059.2	182.3	29.9	27.2	32.6	81.6	157.8	217.6	174.1	277.5	280.2
75°	1536.9	103.4	32.6	29.9	35.4	92.5	174.1	225.8	182.3	280.2	280.2
77.5°	875.9	70.7	32.6	35.4	43.5	92.5	182.3	233.9	179.5	274.7	269.3
80°	304.7	51.7	32.6	40.8	54.4	92.5	185.0	231.2	174.1	255.7	255.7
82.5°	206.7	43.5	32.6	40.8	65.3	97.9	182.3	217.6	155.0	214.9	206.7
85°	193.1	35.4	35.4	43.5	70.7	97.9	165.9	187.7	130.6	160.5	157.8
87.5°	190.4	32.6	40.8	46.2	76.2	89.8	141.4	155.0	106.1	130.6	127.8
90°	198.6	32.6	43.5	49.0	70.7	73.4	114.2	130.6	87.0	103.4	100.6
92.5°	212.2	32.6	46.2	54.4	62.6	54.4	92.5	103.4	73.4	78.9	76.2
95°	225.8	32.6	51.7	57.1	51.7	40.8	70.7	84.3	59.8	57.1	57.1
97.5°	149.6	24.5	54.4	57.1	43.5	29.9	54.4	65.3	35.4	29.9	29.9
100°	49.0	19.0	57.1	59.8	40.8	21.8	46.2	49.0	27.2	13.6	13.6
102.5°	21.8	19.0	51.7	51.7	35.4	16.3	32.6	35.4	19.0	5.4	5.4
105°	19.0	10.9	29.9	38.1	24.5	8.2	16.3	19.0	10.9	5.4	5.4
107.5°	21.8	10.9	16.3	21.8	10.9	8.2	8.2	8.2	5.4	5.4	5.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.5	10.9	8.2	10.9	8.2	8.2	5.4	5.4	10.9	19.0	19.0
115°	24.5	10.9	8.2	10.9	8.2	8.2	5.4	2.7	10.9	27.2	29.9
117.5°	27.2	13.6	5.4	8.2	5.4	5.4	5.4	2.7	13.6	35.4	35.4
120°	32.6	13.6	5.4	5.4	5.4	2.7	5.4	5.4	13.6	38.1	38.1
122.5°	32.6	16.3	5.4	5.4	5.4	2.7	2.7	5.4	16.3	35.4	38.1
125°	27.2	13.6	5.4	5.4	5.4	2.7	2.7	5.4	16.3	32.6	38.1
127.5°	21.8	13.6	5.4	5.4	5.4	2.7	2.7	5.4	16.3	27.2	29.9
130°	19.0	10.9	5.4	5.4	5.4	2.7	2.7	5.4	13.6	21.8	24.5
132.5°	13.6	8.2	5.4	5.4	5.4	2.7	2.7	2.7	13.6	21.8	21.8
135°	10.9	8.2	5.4	5.4	5.4	2.7	2.7	2.7	10.9	16.3	16.3
137.5°	5.4	2.7	5.4	5.4	5.4	2.7	2.7	2.7	8.2	8.2	8.2
140°	2.7	2.7	2.7	5.4	2.7	2.7	2.7	2.7	2.7	5.4	2.7
142.5°	2.7	2.7	2.7	5.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	2.7	2.7	2.7	5.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	5.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	2.7	2.7	2.7	5.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
155°	5.4	5.4	2.7	5.4	2.7	2.7	0.0	2.7	2.7	2.7	2.7
157.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
160°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	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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110°	24.5	24.5	5.4	8.2	8.2	5.4	2.7	5.4	10.9	16.3	27.2
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110°	21.8	10.9	8.2	13.6	10.9	8.2	5.4	5.4	5.4	8.2	8.2
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(END OF REPORT)