

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: P560894

Luminaire Tested: **SDL-PA1-70-730-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560894
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-PA1-70-730-U-T3-A
Description: Springdale
(1) 70 CRI, 3000K, 930mA 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: 7247 lumens
Efficiency: N/A
Efficacy: 100.4 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): 72.2
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

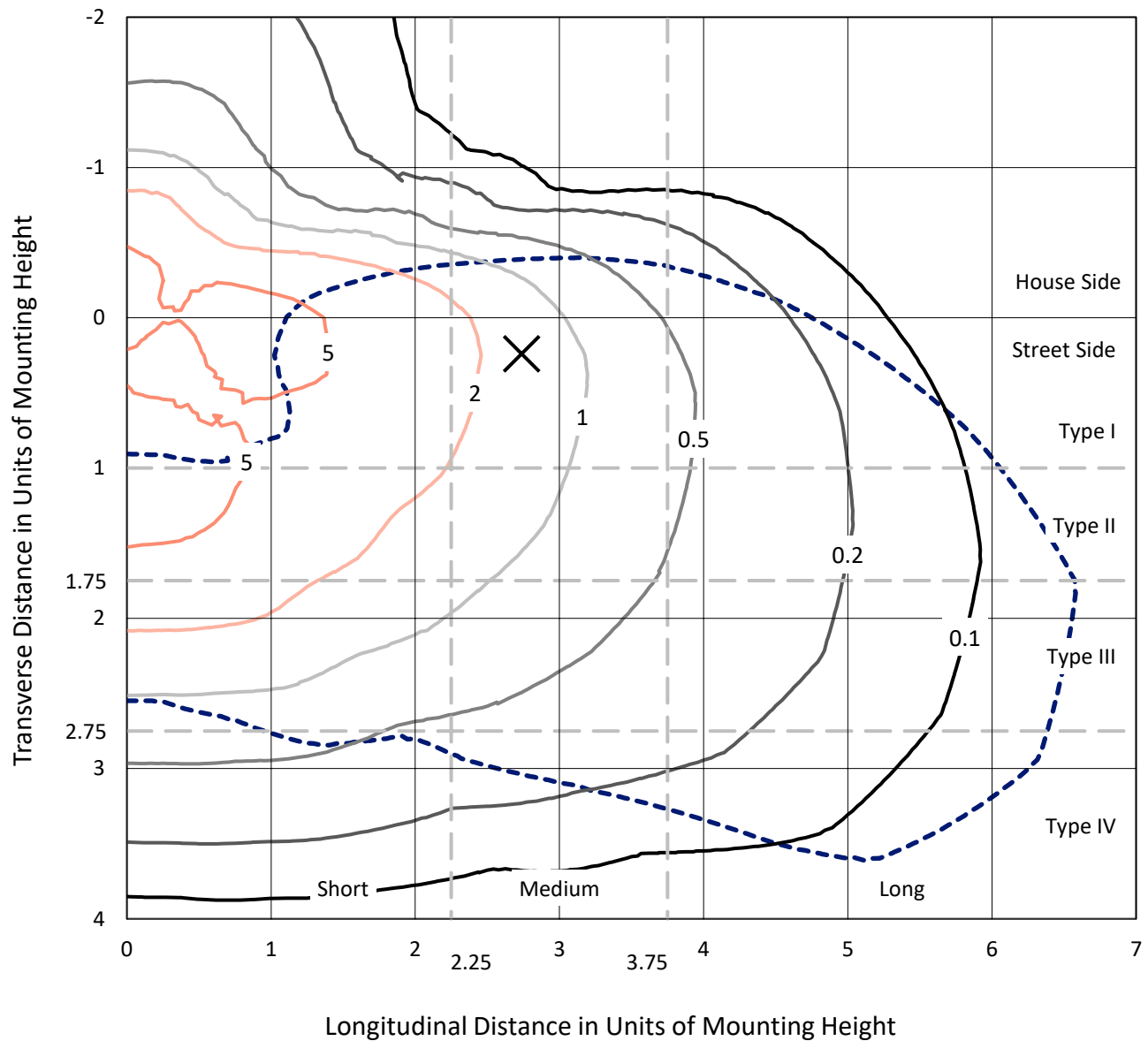


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

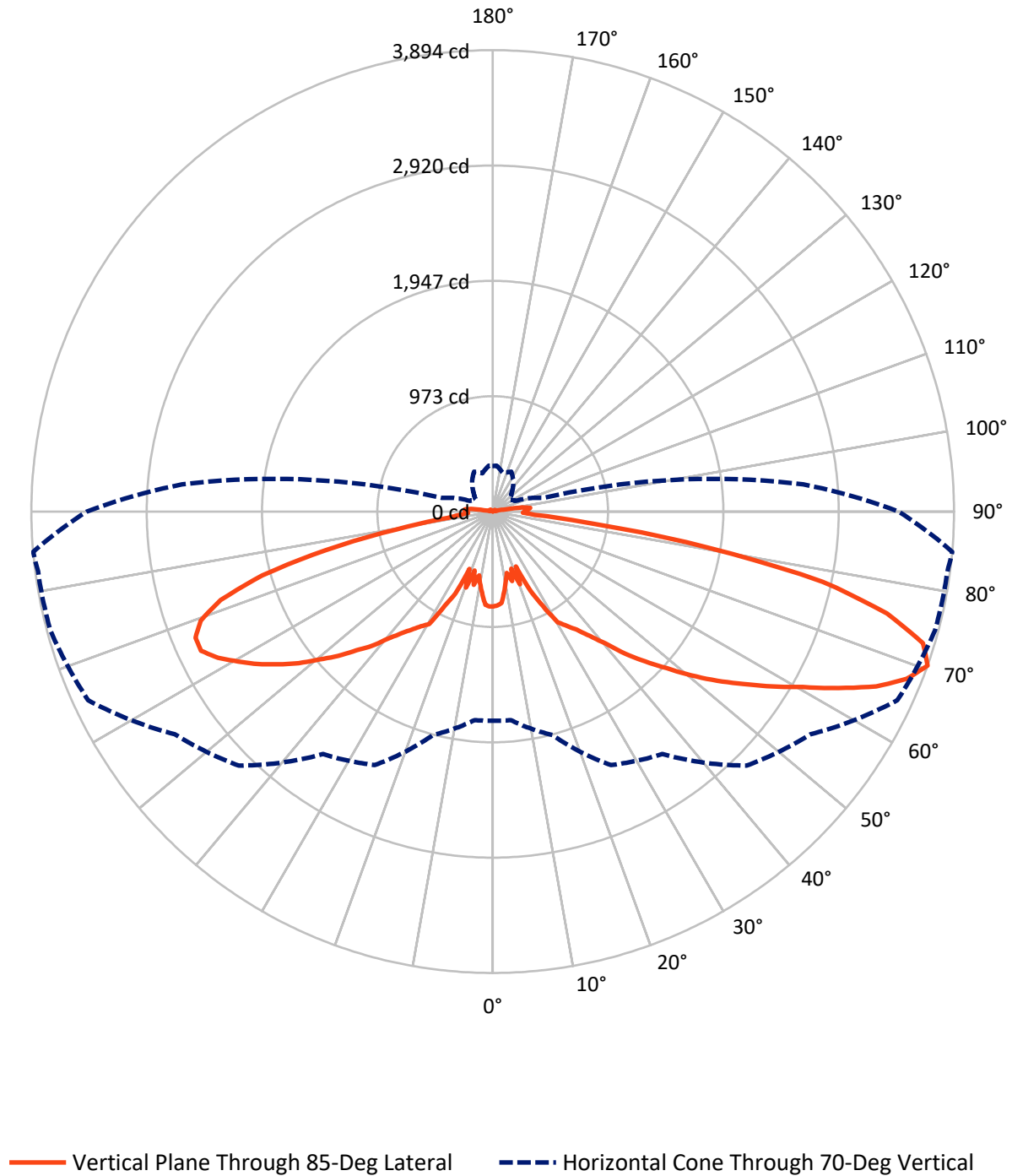


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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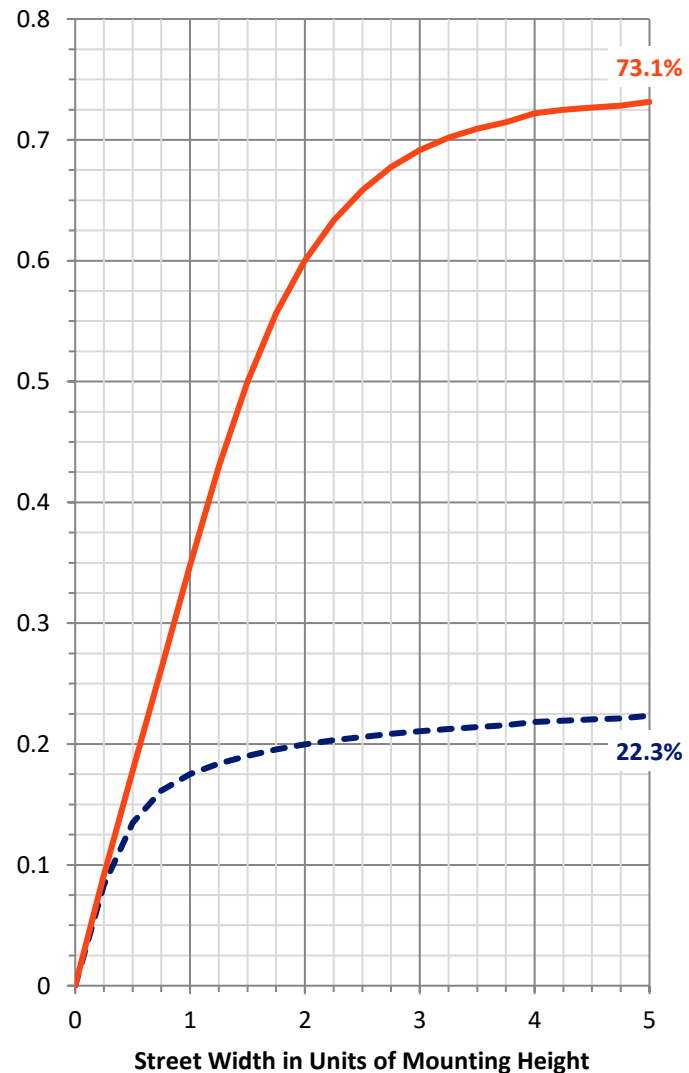
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1703.8	109.7	1813.6
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	5340.7	92.7	5433.4
	% Fixture	73.7	1.3	75.0
Total	Lumens	7044.5	202.4	7247.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	0.9
10°-20°	159.9	2.2
20°-30°	291.3	4.0
30°-40°	550.6	7.6
40°-50°	920.2	12.7
50°-60°	1436.2	19.8
60°-70°	1781.0	24.6
70°-80°	1455.1	20.1
80°-90°	385.1	5.3
90°-100°	146.2	2.0
100°-110°	31.1	0.4
110°-120°	10.1	0.1
120°-130°	7.8	0.1
130°-140°	3.7	0.1
140°-150°	1.8	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7044.5	97.2
0°-180°	7247.0	100.0



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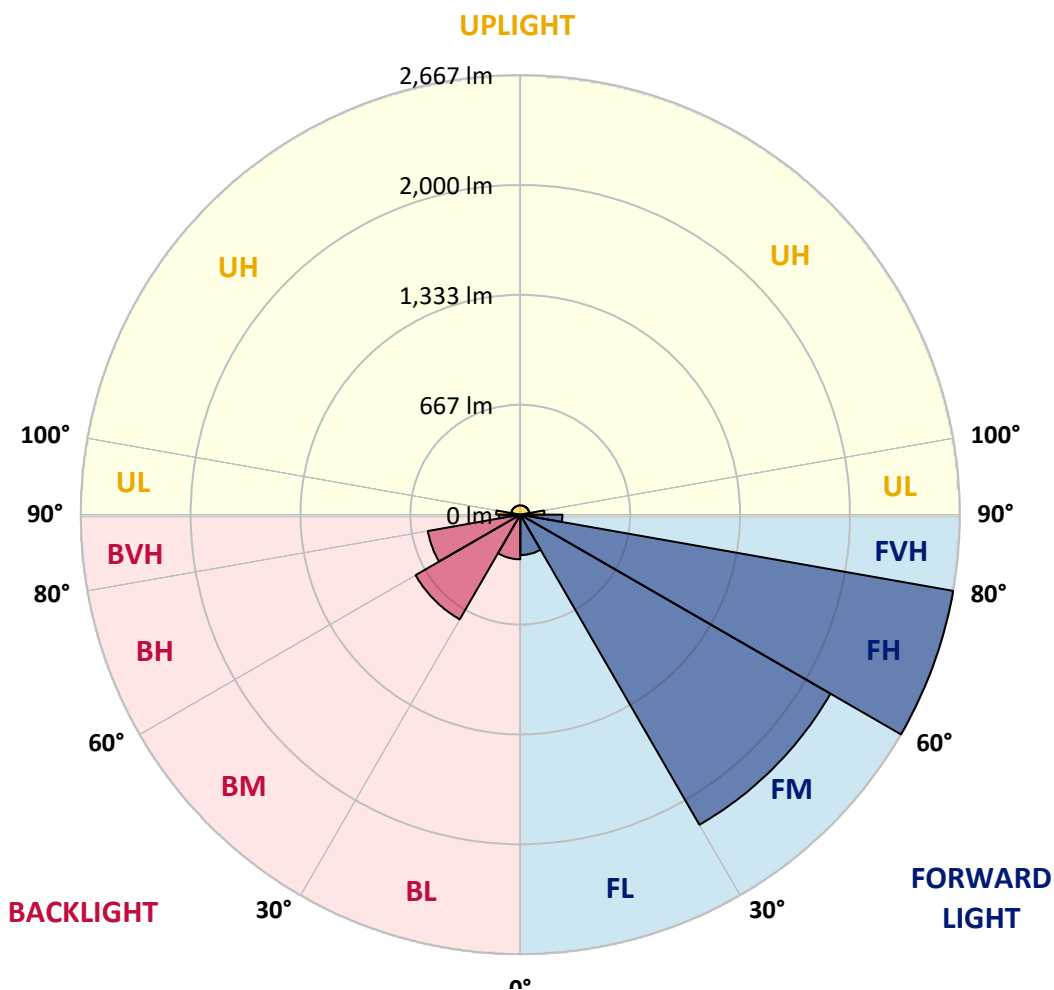
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	245.4	3.4			
FM	(30°-60°)	2173.0	30.0			
FH	(60°-80°)	2666.7	36.8			G2/5000
FVH	(80°-90°)	255.5	3.5			G3/500
BL	(0°-30°)	271.0	3.7	B1/500		
BM	(30°-60°)	733.9	10.1	B1/1000		
BH	(60°-80°)	569.3	7.9	B2/1000		G2/1000
BVH	(80°-90°)	129.6	1.8			G2/225
UL	(90°-100°)	146.2	2.0		U3/500	
UH	(100°-180°)	56.2	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°	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7
2.5°	663.0	727.6	716.4	736.1	747.3	764.2	775.4	781.0	786.6	792.3	792.3
5°	615.3	618.1	620.9	623.7	629.3	637.7	646.2	736.1	764.2	775.4	775.4
7.5°	561.9	559.1	570.3	584.4	604.0	615.3	623.7	626.5	657.4	682.7	688.3
10°	559.1	561.9	561.9	567.5	533.8	531.0	491.6	494.5	536.6	601.2	604.0
12.5°	486.0	500.1	531.0	553.5	519.7	466.4	457.9	480.4	449.5	528.2	531.0
15°	542.2	539.4	539.4	516.9	438.3	460.7	410.2	427.0	522.6	595.6	609.6
17.5°	472.0	466.4	522.6	505.7	455.1	384.9	460.7	455.1	472.0	514.1	505.7
20°	592.8	587.2	575.9	438.3	460.7	483.2	469.2	438.3	553.5	618.1	654.6
22.5°	553.5	559.1	587.2	556.3	474.8	497.3	443.9	539.4	522.6	497.3	502.9
25°	755.7	750.1	722.0	545.0	567.5	463.6	542.2	480.4	663.0	736.1	741.7
27.5°	696.7	688.3	668.6	685.5	575.9	606.8	528.2	629.3	733.3	862.5	901.8
30°	924.3	915.9	893.4	691.1	685.5	601.2	640.5	772.6	988.9	1087.2	1084.4
32.5°	1191.2	1129.4	991.7	885.0	733.3	781.0	733.3	910.2	1053.5	1149.0	1149.0
35°	1354.1	1342.9	1269.9	1028.2	854.1	851.3	842.8	1003.0	1163.1	1230.5	1224.9
37.5°	1491.8	1511.5	1458.1	1191.2	963.6	986.1	944.0	1129.4	1297.9	1337.3	1331.7
40°	1682.8	1677.2	1649.1	1331.7	1098.5	1095.7	1064.8	1281.1	1446.8	1474.9	1460.9
42.5°	1966.6	1935.7	1851.4	1519.9	1241.8	1241.8	1185.6	1424.4	1629.5	1632.3	1640.7
45°	2315.0	2300.9	2152.0	1812.1	1427.2	1424.4	1331.7	1576.1	1814.9	1828.9	1803.6
47.5°	2556.6	2514.4	2441.4	2079.0	1713.7	1649.1	1508.7	1725.0	2036.8	2025.6	1975.0
50°	2795.4	2761.7	2694.2	2371.1	2011.5	1882.3	1674.4	1879.5	2250.3	2219.4	2171.7
52.5°	3000.5	2955.5	2882.5	2609.9	2272.8	2171.7	1865.4	2020.0	2466.7	2416.1	2371.1
55°	3118.4	3025.7	3031.4	2823.5	2469.5	2388.0	2079.0	2247.5	2677.4	2604.3	2567.8
57.5°	2972.4	2966.7	3059.4	2955.5	2649.3	2567.8	2306.5	2475.1	2896.5	2801.0	2784.1
60°	2826.3	2843.1	2975.2	2994.8	2789.7	2730.7	2503.2	2798.2	3110.0	3006.1	3006.1
62.5°	2624.0	2671.8	2857.2	3008.9	2803.8	2890.9	2708.3	3073.5	3343.2	3247.7	3278.6
65°	2393.6	2393.6	2607.1	2893.7	2758.8	2997.6	2935.8	3374.1	3548.3	3492.1	3556.7
67.5°	2079.0	2084.6	2306.5	2668.9	2677.4	3051.0	3118.4	3610.1	3761.8	3719.7	3767.4
70°	1764.3	1767.1	1952.5	2359.9	2497.6	3031.4	3275.8	3767.4	3865.8	3871.4	3893.8
72.5°	1320.4	1368.2	1542.4	1916.0	2185.7	2949.9	3357.2	3812.4	3862.9	3871.4	3798.3
75°	710.8	733.3	927.1	1247.4	1623.8	2615.6	3332.0	3764.6	3728.1	3629.8	3438.7
77.5°	247.2	258.5	325.9	545.0	921.5	1851.4	3090.4	3556.7	3438.7	3129.7	2848.7
80°	160.1	160.1	177.0	261.3	418.6	876.5	2399.2	3048.2	2770.1	2109.9	1848.6
82.5°	112.4	115.2	129.2	174.2	269.7	376.5	1247.4	1548.0	1525.5	1050.7	885.0
85°	81.5	84.3	89.9	101.1	185.4	233.2	486.0	744.5	688.3	376.5	354.0
87.5°	36.5	42.1	36.5	45.0	73.0	143.3	233.2	230.4	219.1	250.0	255.7
90°	28.1	28.1	22.5	25.3	50.6	129.2	216.3	207.9	221.9	272.5	269.7
92.5°	28.1	28.1	22.5	25.3	47.8	129.2	227.6	202.3	230.4	292.2	295.0
95°	28.1	30.9	22.5	22.5	39.3	132.0	241.6	216.3	244.4	317.5	317.5
97.5°	25.3	25.3	16.9	19.7	30.9	120.8	241.6	185.4	179.8	255.7	252.8
100°	19.7	22.5	11.2	16.9	22.5	73.0	179.8	115.2	50.6	59.0	89.9
102.5°	19.7	19.7	11.2	14.0	16.9	30.9	95.5	67.4	14.0	19.7	19.7
105°	19.7	22.5	11.2	11.2	11.2	14.0	45.0	33.7	11.2	16.9	19.7
107.5°	22.5	22.5	8.4	8.4	8.4	8.4	16.9	14.0	11.2	19.7	22.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	19.7	19.7	8.4	8.4	5.6	5.6	5.6	8.4	11.2	16.9	19.7
115°	14.0	14.0	5.6	8.4	5.6	5.6	5.6	8.4	8.4	14.0	16.9
117.5°	14.0	11.2	5.6	5.6	2.8	5.6	5.6	8.4	11.2	19.7	19.7
120°	14.0	14.0	5.6	2.8	2.8	2.8	2.8	5.6	14.0	22.5	25.3
122.5°	14.0	14.0	5.6	2.8	2.8	2.8	2.8	5.6	14.0	22.5	25.3
125°	16.9	14.0	8.4	2.8	2.8	2.8	2.8	2.8	11.2	19.7	22.5
127.5°	14.0	14.0	8.4	2.8	2.8	2.8	2.8	2.8	8.4	16.9	19.7
130°	14.0	14.0	8.4	2.8	2.8	2.8	2.8	2.8	8.4	14.0	14.0
132.5°	11.2	11.2	8.4	2.8	2.8	2.8	2.8	2.8	5.6	11.2	11.2
135°	11.2	11.2	5.6	2.8	2.8	2.8	2.8	2.8	2.8	8.4	8.4
137.5°	5.6	5.6	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
140°	0.0	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	5.6	5.6	2.8	2.8	2.8	2.8	2.8	2.8
150°	8.4	8.4	8.4	5.6	5.6	2.8	5.6	2.8	2.8	2.8	2.8
152.5°	8.4	8.4	11.2	5.6	2.8	2.8	2.8	5.6	2.8	2.8	2.8
155°	5.6	5.6	5.6	2.8	2.8	2.8	2.8	2.8	5.6	5.6	8.4
157.5°	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
160°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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°	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7
2.5°	795.1	800.7	803.5	811.9	811.9	811.9	792.3	744.5	744.5	747.3	750.1
5°	783.8	789.4	800.7	761.4	722.0	719.2	733.3	741.7	744.5	747.3	741.7
7.5°	693.9	705.2	699.5	702.4	722.0	741.7	758.5	747.3	719.2	699.5	705.2
10°	618.1	629.3	567.5	573.1	595.6	651.8	744.5	775.4	795.1	803.5	803.5
12.5°	542.2	550.6	497.3	575.9	536.6	623.7	724.8	800.7	724.8	693.9	693.9
15°	620.9	637.7	573.1	511.3	522.6	632.1	556.3	764.2	786.6	792.3	797.9
17.5°	531.0	519.7	531.0	539.4	587.2	491.6	637.7	719.2	674.3	657.4	665.8
20°	668.6	679.9	620.9	531.0	536.6	626.5	567.5	643.4	767.0	769.8	775.4
22.5°	508.5	522.6	556.3	632.1	553.5	606.8	598.4	668.6	626.5	629.3	651.8
25°	747.3	758.5	699.5	564.7	604.0	547.8	604.0	595.6	702.4	708.0	708.0
27.5°	915.9	890.6	764.2	637.7	531.0	578.7	545.0	567.5	542.2	618.1	629.3
30°	1090.1	1090.1	991.7	710.8	561.9	491.6	497.3	539.4	601.2	612.5	612.5
32.5°	1143.4	1140.6	1014.2	769.8	553.5	508.5	457.9	508.5	615.3	668.6	674.3
35°	1219.3	1208.0	1053.5	750.1	533.8	463.6	432.6	511.3	590.0	598.4	592.8
37.5°	1314.8	1286.7	1101.3	713.6	488.8	435.5	415.8	460.7	528.2	528.2	528.2
40°	1432.8	1387.8	1118.1	663.0	441.1	398.9	379.3	427.0	472.0	446.7	438.3
42.5°	1592.9	1525.5	1132.2	626.5	398.9	368.0	342.7	387.7	410.2	396.1	390.5
45°	1741.8	1640.7	1154.7	587.2	365.2	339.9	317.5	356.8	373.7	359.6	356.8
47.5°	1918.8	1784.0	1157.5	550.6	339.9	317.5	300.6	334.3	345.6	345.6	342.7
50°	2101.4	1921.6	1180.0	519.7	314.7	295.0	292.2	317.5	325.9	320.3	317.5
52.5°	2309.3	2076.2	1188.4	480.4	283.8	269.7	283.8	300.6	325.9	328.7	328.7
55°	2531.3	2219.4	1182.8	427.0	261.3	255.7	275.3	311.8	334.3	317.5	314.7
57.5°	2747.6	2362.7	1185.6	368.0	238.8	250.0	278.1	325.9	342.7	323.1	314.7
60°	2941.5	2491.9	1146.2	314.7	221.9	236.0	289.4	339.9	334.3	339.9	331.5
62.5°	3180.3	2626.8	1033.9	280.9	207.9	230.4	289.4	348.4	325.9	348.4	348.4
65°	3376.9	2727.9	873.7	252.8	196.7	230.4	292.2	351.2	317.5	354.0	354.0
67.5°	3461.2	2725.1	632.1	230.4	182.6	224.8	292.2	362.4	325.9	365.2	362.4
70°	3427.5	2632.4	446.7	213.5	174.2	227.6	303.4	370.8	334.3	387.7	384.9
72.5°	3199.9	2413.3	323.1	199.5	162.9	216.3	311.8	382.1	342.7	421.4	421.4
75°	2817.8	2017.2	261.3	185.4	151.7	213.5	314.7	387.7	348.4	427.0	427.0
77.5°	2154.8	1449.7	219.1	171.4	140.5	207.9	311.8	396.1	345.6	427.0	427.0
80°	1292.3	826.0	182.6	154.5	143.3	205.1	317.5	396.1	345.6	421.4	421.4
82.5°	595.6	379.3	162.9	129.2	134.9	202.3	323.1	390.5	331.5	421.4	404.6
85°	331.5	266.9	140.5	109.6	120.8	191.0	306.2	351.2	297.8	348.4	342.7
87.5°	247.2	207.9	89.9	56.2	78.7	134.9	236.0	278.1	224.8	269.7	266.9
90°	264.1	219.1	81.5	56.2	84.3	123.6	221.9	247.2	207.9	250.0	247.2
92.5°	283.8	230.4	81.5	59.0	95.5	134.9	221.9	241.6	205.1	227.6	230.4
95°	297.8	238.8	78.7	64.6	101.1	146.1	216.3	221.9	188.2	196.7	205.1
97.5°	233.2	179.8	70.2	67.4	98.3	118.0	177.0	174.2	129.2	120.8	120.8
100°	73.0	50.6	61.8	70.2	59.0	56.2	103.9	123.6	75.9	50.6	47.8
102.5°	22.5	19.7	56.2	67.4	45.0	25.3	56.2	78.7	56.2	8.4	11.2
105°	22.5	22.5	36.5	56.2	30.9	11.2	22.5	42.1	33.7	8.4	8.4
107.5°	22.5	19.7	14.0	30.9	11.2	8.4	11.2	11.2	11.2	8.4	8.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.5	22.5	11.2	11.2	8.4	8.4	5.6	5.6	8.4	19.7	19.7
115°	19.7	19.7	11.2	8.4	5.6	8.4	5.6	5.6	8.4	22.5	22.5
117.5°	22.5	22.5	11.2	8.4	5.6	5.6	5.6	2.8	8.4	25.3	28.1
120°	28.1	25.3	14.0	5.6	5.6	5.6	5.6	5.6	11.2	22.5	25.3
122.5°	28.1	28.1	14.0	5.6	2.8	2.8	2.8	5.6	11.2	22.5	25.3
125°	25.3	25.3	14.0	5.6	2.8	2.8	2.8	2.8	11.2	19.7	19.7
127.5°	22.5	22.5	11.2	5.6	2.8	2.8	2.8	2.8	8.4	16.9	19.7
130°	16.9	16.9	8.4	5.6	2.8	2.8	2.8	2.8	8.4	14.0	16.9
132.5°	14.0	14.0	8.4	5.6	2.8	2.8	2.8	2.8	8.4	11.2	14.0
135°	8.4	8.4	5.6	2.8	2.8	2.8	2.8	2.8	5.6	8.4	11.2
137.5°	5.6	5.6	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.6	5.6
140°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
145°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.6	5.6	8.4	5.6
152.5°	2.8	2.8	2.8	5.6	2.8	0.0	0.0	5.6	5.6	8.4	8.4
155°	8.4	8.4	5.6	2.8	2.8	0.0	0.0	0.0	5.6	5.6	5.6
157.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8	2.8
160°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
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°	22.5	22.5	8.4	8.4	5.6	5.6	8.4	8.4	11.2	19.7	22.5
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110°	22.5	22.5	11.2	11.2	8.4	8.4	8.4	5.6	5.6	14.0	14.0
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