

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: P560367

Luminaire Tested: **SDL-PA1-40-730-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-730-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3149.7 lumens
Efficiency: N/A
Efficacy: 79.9 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: B1 - U3 - G1

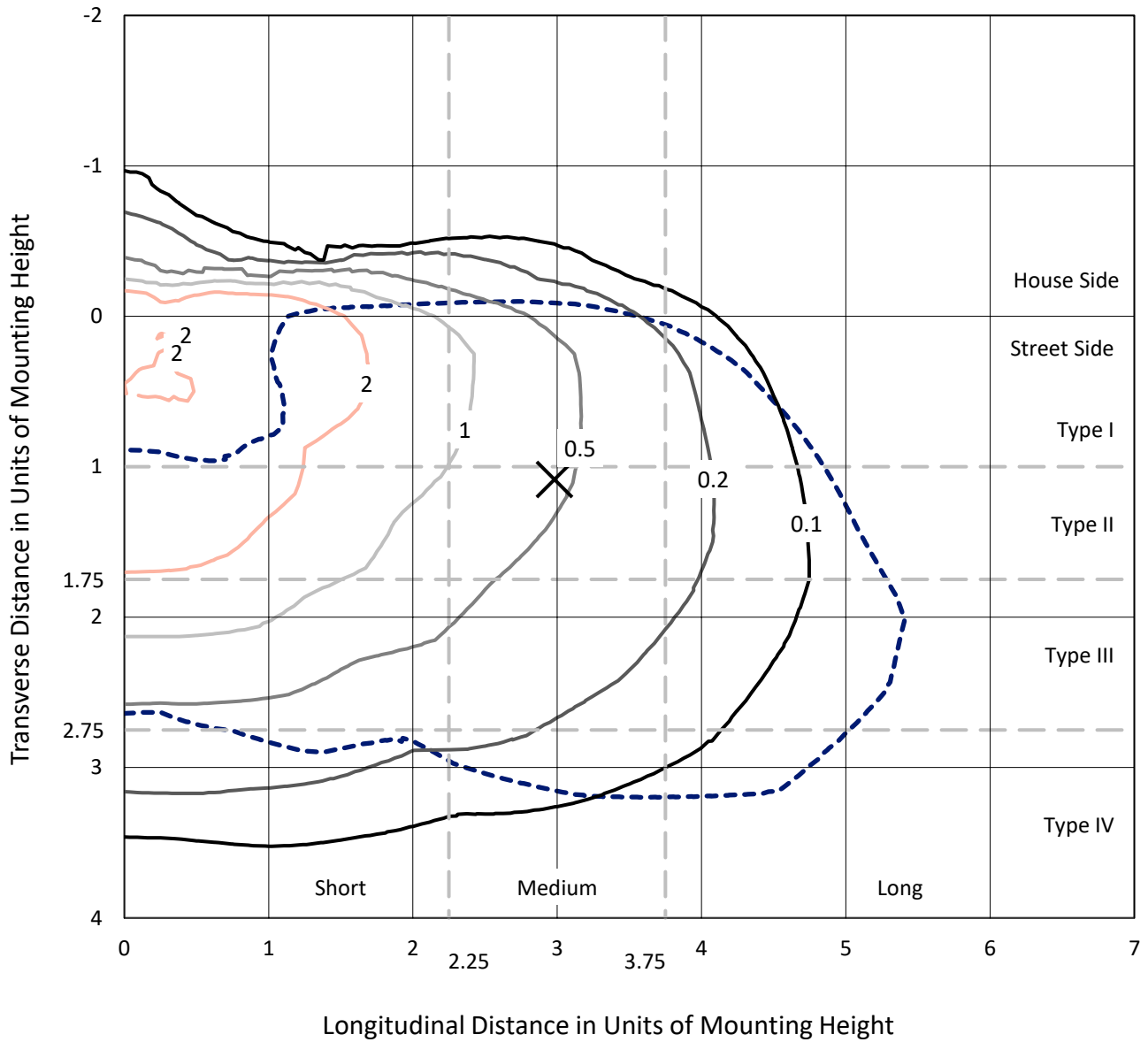
Input Watts (W): 39.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

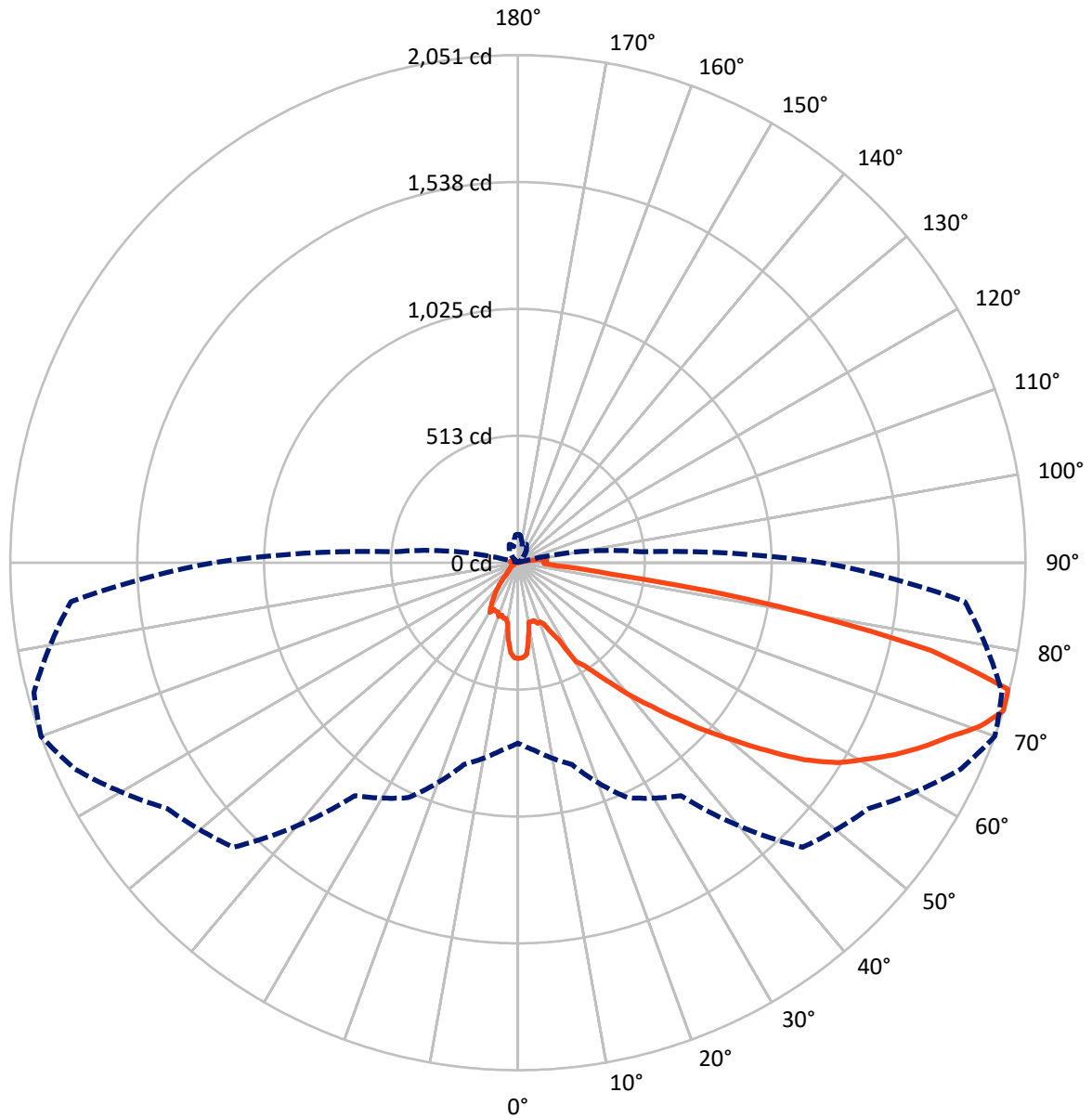
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



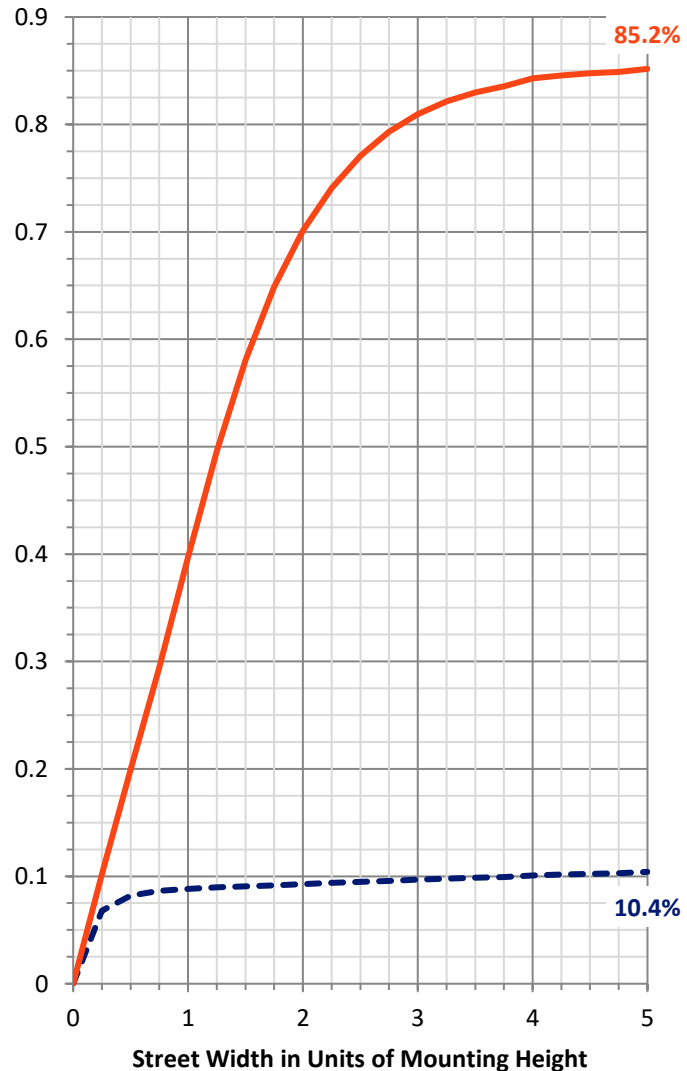
— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	361.0	50.8	411.8
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	2696.8	41.1	2737.8
	% Fixture	85.6	1.3	86.9
Total	Lumens	3057.8	91.8	3149.7
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization



ZONAL LUMENS:

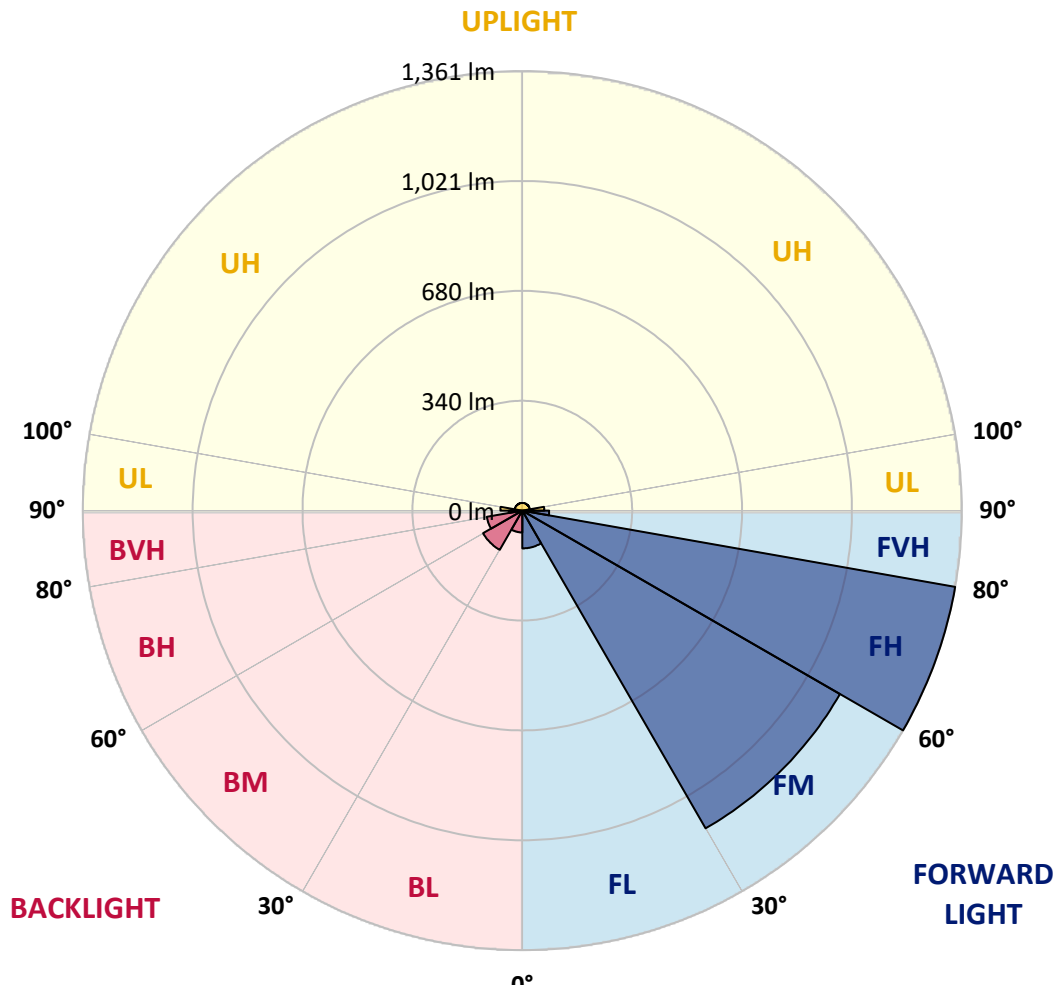
Zone	Lumens	% Fixture
0°-10°	29.8	0.9
10°-20°	59.0	1.9
20°-30°	95.5	3.0
30°-40°	204.2	6.5
40°-50°	401.4	12.7
50°-60°	670.2	21.3
60°-70°	831.8	26.4
70°-80°	640.6	20.3
80°-90°	125.3	4.0
90°-100°	68.0	2.2
100°-110°	14.1	0.4
110°-120°	4.0	0.1
120°-130°	3.1	0.1
130°-140°	1.4	0.0
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3057.8	97.1
0°-180°	3149.7	100.0

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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°)	116.8	3.7			
FM (30°-60°)	1135.7	36.1			
FH (60°-80°)	1360.9	43.2			G1/1800
FVH (80°-90°)	83.4	2.6			G1/100
BL (0°-30°)	67.5	2.1	B0/110		
BM (30°-60°)	140.0	4.4	B0/220		
BH (60°-80°)	111.6	3.5	B1/500		G1/500
BVH (80°-90°)	41.9	1.3			G1/100
UL (90°-100°)	68.0	2.2		U3/500	
UH (100°-180°)	23.9	0.8		U2/50	

BUG Rating: B1-U3-G1
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9
2.5°	326.2	362.3	363.9	367.2	370.5	375.4	383.6	383.6	383.6	383.6	385.2
5°	309.8	309.8	309.8	313.1	313.1	316.4	318.0	367.2	372.1	377.0	377.0
7.5°	257.4	282.0	283.6	293.4	304.9	309.8	313.1	309.8	304.9	324.6	332.8
10°	282.0	282.0	282.0	285.2	268.9	260.7	241.0	242.6	244.3	259.0	295.1
12.5°	234.4	249.2	263.9	280.3	259.0	232.8	227.9	241.0	244.3	218.0	259.0
15°	273.8	272.1	272.1	257.4	214.8	232.8	203.3	214.8	242.6	265.6	308.2
17.5°	226.2	219.7	255.7	252.5	229.5	183.6	234.4	232.8	257.4	237.7	265.6
20°	268.9	267.2	267.2	206.6	227.9	247.5	244.3	227.9	255.7	285.2	336.1
22.5°	226.2	223.0	229.5	247.5	226.2	255.7	223.0	282.0	268.9	260.7	244.3
25°	285.2	283.6	283.6	226.2	255.7	234.4	282.0	257.4	311.5	339.3	370.5
27.5°	255.7	255.7	244.3	262.3	244.3	295.1	270.5	324.6	352.5	370.5	447.5
30°	354.1	355.7	336.1	260.7	272.1	277.0	319.7	401.6	462.3	506.6	554.1
32.5°	509.8	500.0	418.0	355.7	288.5	342.6	354.1	467.2	496.7	544.3	585.2
35°	693.4	688.5	616.4	460.7	347.5	367.2	395.1	508.2	554.1	601.6	626.2
37.5°	819.7	814.8	768.9	586.9	419.7	427.9	431.1	565.6	624.6	672.1	683.6
40°	923.0	914.8	886.9	685.2	516.4	500.0	483.6	644.3	711.5	750.8	755.7
42.5°	1078.7	1065.6	995.1	798.4	614.8	596.7	541.0	713.1	793.4	845.9	849.2
45°	1265.6	1254.1	1155.7	955.7	719.7	714.8	642.6	801.6	896.7	959.0	941.0
47.5°	1393.4	1362.3	1306.6	1106.6	882.0	839.3	755.7	891.8	1008.2	1101.6	1050.8
50°	1509.8	1486.9	1439.3	1273.8	1057.4	1000.0	873.8	995.1	1126.2	1211.5	1142.6
52.5°	1618.0	1583.6	1544.3	1398.4	1208.2	1180.3	990.2	1098.4	1262.3	1332.8	1237.7
55°	1672.1	1618.0	1611.5	1511.5	1324.6	1301.6	1121.3	1226.2	1404.9	1454.1	1327.9
57.5°	1583.6	1582.0	1632.8	1580.3	1419.7	1408.2	1254.1	1363.9	1524.6	1547.5	1416.4
60°	1524.6	1526.2	1603.3	1606.6	1503.3	1509.8	1373.8	1522.9	1613.1	1627.9	1500.0
62.5°	1421.3	1432.8	1549.2	1624.6	1524.6	1606.6	1475.4	1632.8	1708.2	1713.1	1603.3
65°	1291.8	1303.3	1421.3	1575.4	1501.6	1670.5	1560.7	1755.7	1795.1	1798.4	1716.4
67.5°	1141.0	1145.9	1277.0	1447.5	1445.9	1693.4	1613.1	1837.7	1878.7	1888.5	1813.1
70°	973.8	967.2	1086.9	1283.6	1326.2	1682.0	1677.0	1918.0	1980.3	1978.7	1880.3
72.5°	729.5	760.7	844.3	1047.5	1149.2	1626.2	1731.1	1973.8	2050.8	2024.6	1813.1
75°	249.2	265.6	491.8	667.2	885.2	1477.0	1742.6	1977.0	2045.9	1929.5	1483.6
77.5°	82.0	77.0	109.8	265.6	491.8	1023.0	1532.8	1724.6	1706.6	1500.0	911.5
80°	39.3	41.0	49.2	93.4	180.3	463.9	962.3	1091.8	1067.2	786.9	395.1
82.5°	26.2	27.9	32.8	54.1	101.6	159.0	511.5	498.4	377.0	247.5	162.3
85°	11.5	11.5	16.4	27.9	62.3	104.9	195.1	170.5	154.1	142.6	132.8
87.5°	3.3	3.3	6.6	9.8	21.3	65.6	109.8	103.3	106.6	111.5	126.2
90°	3.3	3.3	3.3	3.3	16.4	68.9	111.5	104.9	104.9	111.5	132.8
92.5°	4.9	4.9	3.3	3.3	14.8	68.9	116.4	100.0	106.6	113.1	142.6
95°	4.9	6.6	3.3	1.6	11.5	70.5	119.7	106.6	116.4	114.8	152.5
97.5°	6.6	6.6	3.3	1.6	6.6	60.7	121.3	86.9	88.5	82.0	119.7
100°	8.2	8.2	3.3	3.3	4.9	31.1	90.2	55.7	34.4	26.2	39.3
102.5°	9.8	9.8	3.3	3.3	3.3	11.5	41.0	32.8	18.0	4.9	9.8
105°	9.8	11.5	3.3	3.3	1.6	4.9	18.0	13.1	6.6	4.9	9.8
107.5°	11.5	11.5	3.3	3.3	1.6	3.3	4.9	4.9	3.3	4.9	9.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	8.2	8.2	3.3	4.9	1.6	1.6	1.6	3.3	3.3	4.9	9.8
115°	4.9	3.3	1.6	3.3	1.6	1.6	1.6	3.3	3.3	3.3	8.2
117.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	4.9	9.8
120°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	6.6	11.5
122.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	6.6	13.1
125°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	4.9	11.5
127.5°	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6	3.3	4.9	9.8
130°	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6	1.6	3.3	6.6
132.5°	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6	1.6	3.3	6.6
135°	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.3
137.5°	1.6	1.6	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
140°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
142.5°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
145°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
147.5°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
150°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
152.5°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	3.3	3.3	1.6	1.6
155°	1.6	1.6	1.6	0.0	0.0	1.6	1.6	1.6	1.6	3.3	3.3
157.5°	0.0	1.6	1.6	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6
160°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6
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°	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9
2.5°	385.2	385.2	383.6	386.9	385.2	385.2	363.9	342.6	337.7	339.3	342.6
5°	378.7	378.7	378.7	352.5	323.0	313.1	316.4	316.4	316.4	314.8	318.0
7.5°	334.4	332.8	327.9	298.4	311.5	309.8	308.2	304.9	265.6	255.7	255.7
10°	296.7	296.7	254.1	242.6	242.6	252.5	259.0	249.2	244.3	236.1	234.4
12.5°	260.7	260.7	218.0	242.6	204.9	203.3	198.4	182.0	154.1	134.4	136.1
15°	309.8	309.8	257.4	206.6	172.1	162.3	101.6	95.1	91.8	90.2	88.5
17.5°	263.9	265.6	237.7	204.9	160.7	85.2	72.1	72.1	72.1	68.9	62.3
20°	334.4	334.4	277.0	183.6	121.3	67.2	55.7	49.2	67.2	67.2	67.2
22.5°	242.6	239.3	244.3	186.9	75.4	54.1	45.9	57.4	60.7	50.8	50.8
25°	367.2	362.3	296.7	134.4	62.3	42.6	50.8	44.3	57.4	57.4	57.4
27.5°	452.5	419.7	301.6	123.0	45.9	49.2	41.0	49.2	44.3	42.6	42.6
30°	544.3	529.5	363.9	96.7	44.3	41.0	42.6	39.3	45.9	42.6	42.6
32.5°	573.8	559.0	329.5	75.4	42.6	39.3	36.1	37.7	36.1	37.7	37.7
35°	611.5	596.7	291.8	57.4	39.3	34.4	32.8	32.8	31.1	29.5	29.5
37.5°	665.6	641.0	249.2	49.2	36.1	31.1	26.2	24.6	26.2	32.8	34.4
40°	727.9	686.9	196.7	44.3	31.1	26.2	19.7	23.0	27.9	27.9	27.9
42.5°	818.0	742.6	145.9	41.0	27.9	21.3	14.8	18.0	21.3	29.5	29.5
45°	896.7	775.4	103.3	37.7	23.0	16.4	11.5	18.0	23.0	26.2	26.2
47.5°	988.5	806.6	77.0	36.1	21.3	11.5	13.1	18.0	18.0	27.9	27.9
50°	1065.6	813.1	62.3	32.8	16.4	8.2	16.4	16.4	19.7	24.6	24.6
52.5°	1137.7	819.7	55.7	29.5	13.1	6.6	16.4	16.4	23.0	29.5	29.5
55°	1185.2	800.0	50.8	26.2	11.5	4.9	18.0	18.0	18.0	23.0	23.0
57.5°	1223.0	775.4	47.5	23.0	9.8	9.8	19.7	23.0	19.7	23.0	23.0
60°	1247.5	731.1	41.0	21.3	8.2	9.8	24.6	29.5	23.0	34.4	34.4
62.5°	1291.8	696.7	36.1	19.7	6.6	9.8	24.6	37.7	29.5	45.9	47.5
65°	1327.9	665.6	31.1	14.8	6.6	13.1	27.9	47.5	36.1	57.4	59.0
67.5°	1342.6	627.9	26.2	13.1	6.6	14.8	36.1	59.0	45.9	67.2	67.2
70°	1331.1	588.5	21.3	13.1	6.6	23.0	47.5	68.9	55.7	82.0	83.6
72.5°	1231.1	501.6	16.4	13.1	4.9	24.6	59.0	82.0	67.2	111.5	114.8
75°	942.6	318.0	16.4	13.1	6.6	27.9	68.9	95.1	80.3	124.6	129.5
77.5°	575.4	147.5	16.4	14.8	8.2	34.4	75.4	109.8	88.5	134.4	137.7
80°	255.7	91.8	16.4	16.4	16.4	42.6	88.5	121.3	100.0	142.6	147.5
82.5°	127.9	68.9	14.8	16.4	24.6	50.8	104.9	129.5	103.3	147.5	149.2
85°	109.8	62.3	14.8	18.0	26.2	59.0	113.1	131.1	108.2	145.9	147.5
87.5°	104.9	59.0	18.0	18.0	29.5	62.3	116.4	137.7	111.5	141.0	139.3
90°	109.8	57.4	19.7	21.3	37.7	63.9	118.0	134.4	111.5	132.8	132.8
92.5°	113.1	55.7	21.3	24.6	45.9	72.1	116.4	131.1	111.5	123.0	123.0
95°	116.4	55.7	24.6	27.9	45.9	78.7	111.5	119.7	103.3	109.8	108.2
97.5°	88.5	41.0	29.5	31.1	42.6	60.7	90.2	93.4	67.2	65.6	63.9
100°	31.1	18.0	29.5	34.4	26.2	26.2	54.1	65.6	39.3	24.6	27.9
102.5°	9.8	8.2	26.2	34.4	21.3	9.8	27.9	41.0	29.5	3.3	3.3
105°	9.8	9.8	14.8	27.9	14.8	3.3	9.8	23.0	18.0	3.3	3.3
107.5°	9.8	8.2	6.6	16.4	4.9	3.3	4.9	4.9	4.9	1.6	3.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.5	8.2	3.3	4.9	3.3	3.3	3.3	1.6	3.3	8.2	9.8
115°	9.8	8.2	3.3	3.3	3.3	3.3	1.6	1.6	3.3	9.8	9.8
117.5°	11.5	9.8	3.3	3.3	1.6	3.3	1.6	1.6	3.3	9.8	11.5
120°	13.1	11.5	3.3	3.3	1.6	1.6	1.6	1.6	3.3	8.2	9.8
122.5°	13.1	13.1	3.3	1.6	1.6	1.6	1.6	1.6	4.9	8.2	8.2
125°	11.5	11.5	3.3	1.6	1.6	1.6	1.6	1.6	4.9	8.2	8.2
127.5°	9.8	9.8	3.3	1.6	1.6	1.6	1.6	1.6	3.3	6.6	8.2
130°	8.2	8.2	3.3	1.6	1.6	1.6	0.0	1.6	3.3	6.6	6.6
132.5°	6.6	4.9	3.3	1.6	1.6	1.6	0.0	1.6	3.3	4.9	6.6
135°	4.9	4.9	1.6	1.6	1.6	1.6	0.0	0.0	3.3	3.3	4.9
137.5°	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0	1.6	3.3	3.3
140°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6
142.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6
145°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6
147.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6
150°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6
152.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6	1.6
155°	3.3	3.3	3.3	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6
157.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.6	1.6	1.6	1.6	1.6	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° | 11.5 11.5 4.9 3.3 1.6 3.3 1.6 3.3 3.3 4.9 11.5

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110°	11.5	8.2	3.3	4.9	3.3	3.3	3.3	3.3	3.3	6.6	6.6
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