

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: P560355

Luminaire Tested: **SDL-PA1-40-730-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
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-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3546.2 lumens
Efficiency: N/A
Efficacy: 90.0 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 - G2

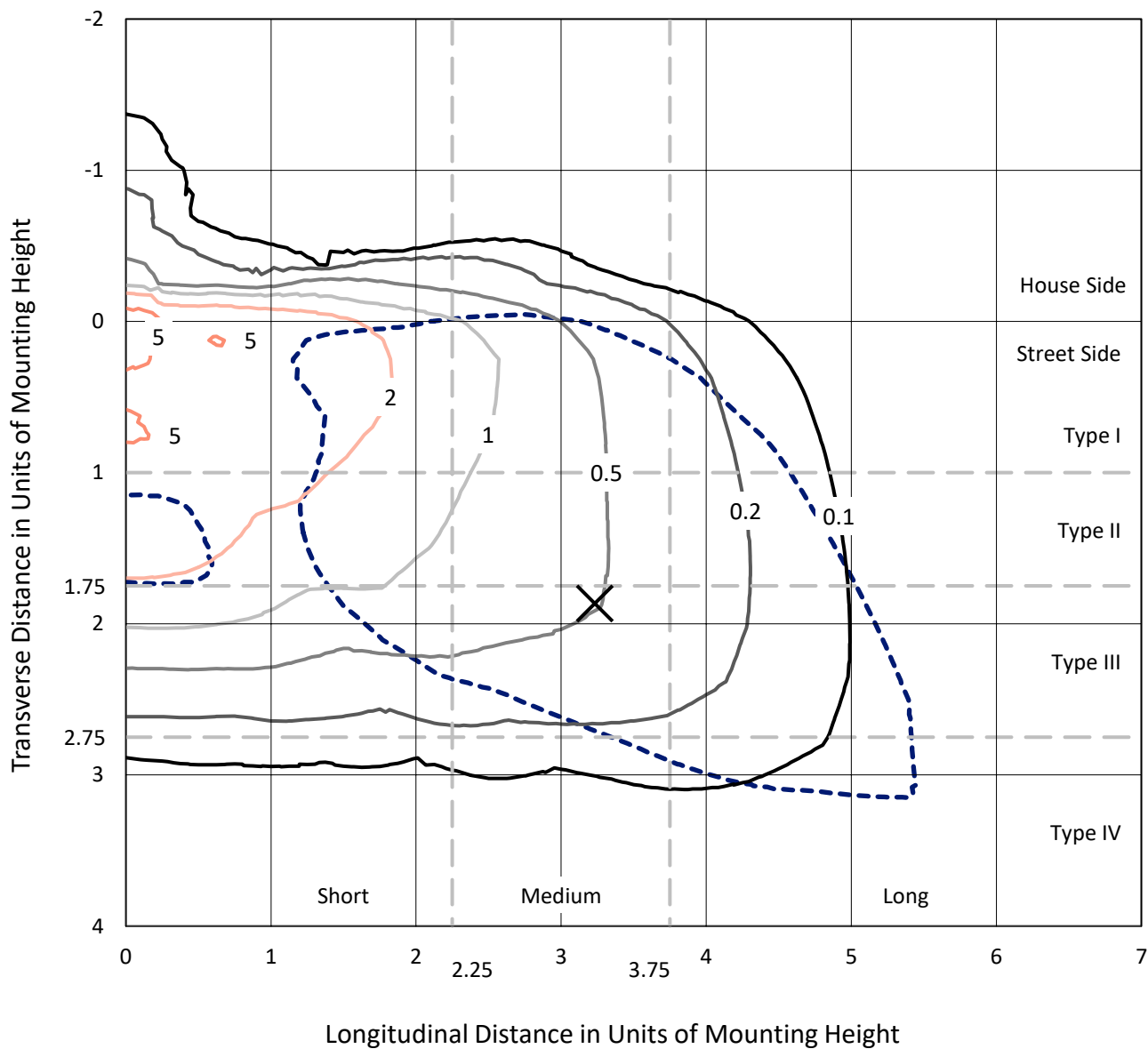
Input Watts (W): 39.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

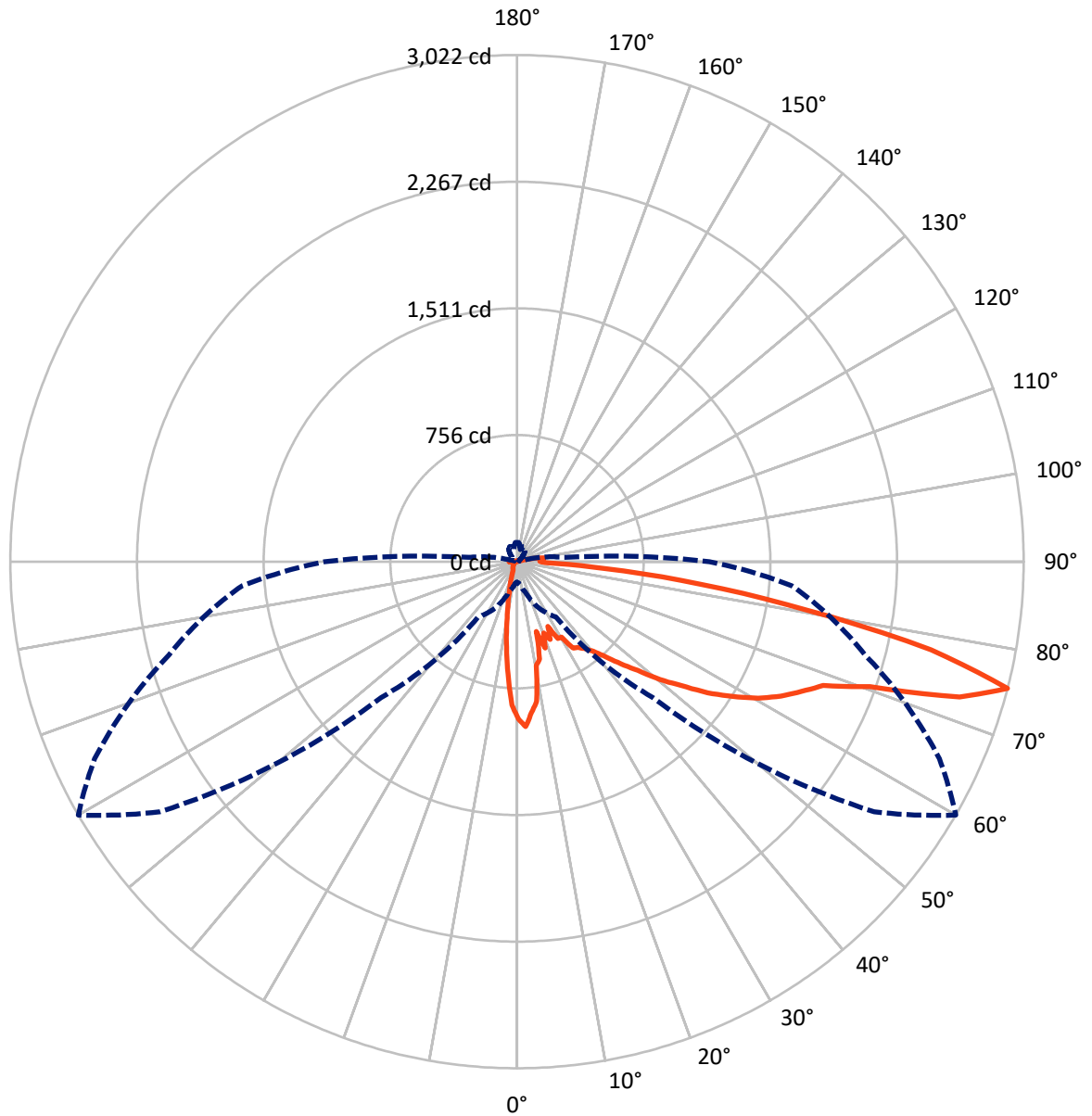
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical



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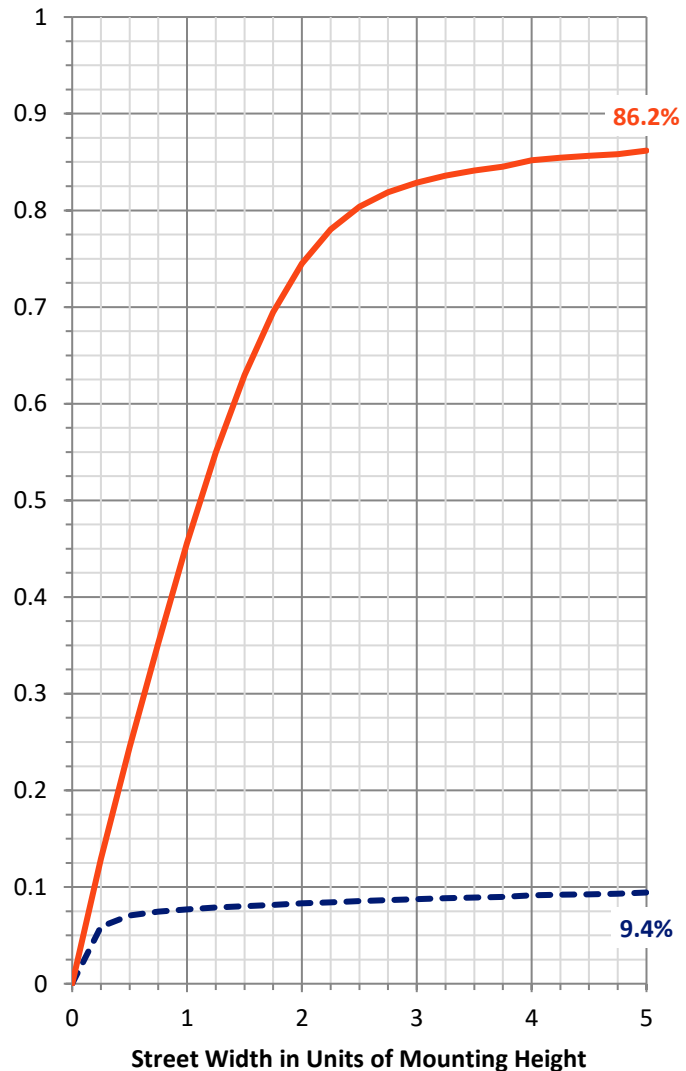
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	366.5	47.7	414.2
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	3082.1	49.9	3132.0
	% Fixture	86.9	1.4	88.3
Total	Lumens	3448.6	97.7	3546.2
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	1.8
10°-20°	106.7	3.0
20°-30°	150.8	4.3
30°-40°	271.1	7.6
40°-50°	456.8	12.9
50°-60°	710.5	20.0
60°-70°	838.5	23.6
70°-80°	680.1	19.2
80°-90°	168.9	4.8
90°-100°	68.2	1.9
100°-110°	15.8	0.4
110°-120°	4.9	0.1
120°-130°	4.4	0.1
130°-140°	2.3	0.1
140°-150°	1.1	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3448.6	97.2
0°-180°	3546.2	100.0

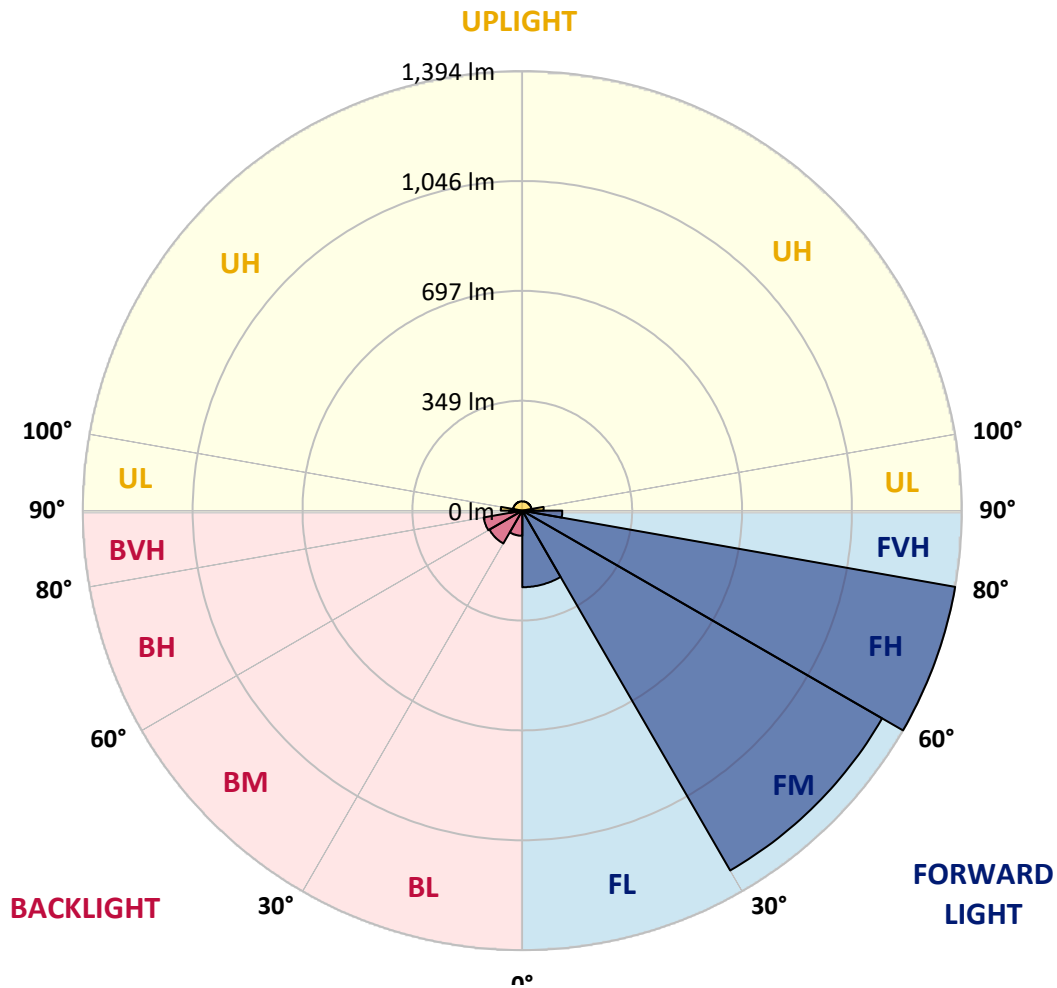


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	242.9	6.8			
FM (30°-60°)	1318.0	37.2			
FH (60°-80°)	1394.2	39.3			G1/1800
FVH (80°-90°)	127.0	3.6			G2/225
BL (0°-30°)	79.7	2.2	B0/110		
BM (30°-60°)	120.5	3.4	B0/220		
BH (60°-80°)	124.4	3.5	B1/500		G1/500
BVH (80°-90°)	41.9	1.2			G1/100
UL (90°-100°)	68.2	1.9		U3/500	
UH (100°-180°)	29.5	0.8		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	937.4	937.4	937.4	937.4	937.4	937.4	937.4	937.4	937.4	937.4	937.4
2.5°	881.7	948.9	929.2	991.5	999.7	996.4	993.2	985.0	976.8	962.0	939.1
5°	845.7	852.2	847.3	858.8	860.4	865.3	857.1	903.0	980.1	960.4	924.3
7.5°	694.9	763.7	771.9	793.2	812.9	832.6	844.0	842.4	744.1	835.8	794.9
10°	709.6	719.5	717.8	732.6	716.2	688.3	627.7	629.3	629.3	649.0	670.3
12.5°	562.1	591.6	663.7	686.7	637.5	580.2	585.1	596.6	604.7	513.0	565.4
15°	637.5	639.2	640.8	640.8	480.2	549.0	478.6	432.7	494.9	606.4	616.2
17.5°	499.9	494.9	576.9	570.3	529.4	408.1	531.0	542.5	521.2	509.7	513.0
20°	586.7	586.7	581.8	463.8	488.4	526.1	455.6	454.0	480.2	596.6	603.1
22.5°	475.3	470.4	496.6	516.2	463.8	501.5	449.1	504.8	558.9	527.7	431.0
25°	594.9	594.9	575.2	447.4	480.2	431.0	498.2	427.7	475.3	645.7	614.6
27.5°	550.7	535.9	490.0	508.1	431.0	501.5	458.9	519.5	549.0	668.7	716.2
30°	711.3	706.4	653.9	511.3	490.0	460.5	493.3	522.8	632.6	867.0	827.6
32.5°	948.9	922.7	744.1	632.6	514.6	545.7	526.1	614.6	694.9	886.6	839.1
35°	1012.8	993.2	907.9	768.6	576.9	576.9	565.4	627.7	712.9	929.2	863.7
37.5°	1034.1	1032.5	1003.0	840.7	662.1	663.7	598.2	658.8	749.0	986.6	899.7
40°	1047.2	1050.5	1080.0	916.1	752.2	749.0	658.8	703.1	804.7	1048.9	965.3
42.5°	1103.0	1121.0	1157.1	999.7	837.5	839.1	732.6	773.6	878.4	1152.1	1055.4
45°	1227.5	1232.4	1253.7	1114.4	917.8	929.2	826.0	868.6	968.6	1265.2	1157.1
47.5°	1416.0	1416.0	1379.9	1204.6	1012.8	1029.2	924.3	968.6	1075.1	1430.7	1275.1
50°	1583.2	1570.1	1491.4	1311.1	1089.9	1125.9	1053.8	1104.6	1165.2	1556.9	1422.6
52.5°	1688.0	1683.1	1586.4	1383.2	1171.8	1232.4	1160.3	1225.9	1270.1	1688.0	1555.3
55°	1673.3	1673.3	1611.0	1420.9	1247.2	1329.1	1298.0	1379.9	1396.3	1812.6	1652.0
57.5°	1617.6	1625.8	1596.3	1435.7	1261.9	1420.9	1438.9	1516.0	1543.8	1884.7	1712.6
60°	1504.5	1520.9	1552.0	1455.3	1319.3	1524.2	1583.2	1652.0	1704.4	1938.8	1763.4
62.5°	1293.1	1314.4	1424.2	1453.7	1363.6	1630.7	1706.1	1766.7	1815.9	1968.3	1799.5
65°	980.1	1019.4	1178.4	1348.8	1360.3	1755.2	1806.0	1865.0	1912.6	1997.8	1892.9
67.5°	626.1	627.7	799.8	1114.4	1268.5	1930.6	1940.4	1969.9	2001.1	2079.7	2025.7
70°	322.9	339.2	421.2	711.3	1039.1	1966.7	2276.4	2233.8	2186.3	2258.4	2197.7
72.5°	214.7	232.7	277.0	383.5	652.3	1773.3	2641.9	2759.9	2550.1	2391.1	2047.0
75°	121.3	131.1	185.2	303.2	403.2	1145.6	2600.9	3022.1	2779.5	2148.6	1645.4
77.5°	54.1	57.4	83.6	237.6	345.8	558.9	2047.0	2525.5	2428.8	1791.3	1186.6
80°	29.5	29.5	39.3	109.8	293.4	421.2	1358.6	1758.5	1652.0	1080.0	539.2
82.5°	16.4	18.0	22.9	52.4	178.6	385.1	858.8	1103.0	871.9	296.6	218.0
85°	6.6	6.6	9.8	27.9	65.6	326.1	470.4	524.4	352.4	150.8	168.8
87.5°	3.3	3.3	3.3	9.8	21.3	83.6	154.1	165.5	129.5	119.6	145.9
90°	4.9	4.9	3.3	3.3	14.7	88.5	129.5	136.0	106.5	119.6	147.5
92.5°	6.6	4.9	3.3	3.3	11.5	88.5	147.5	145.9	106.5	119.6	152.4
95°	8.2	6.6	3.3	3.3	11.5	78.7	177.0	159.0	114.7	121.3	160.6
97.5°	8.2	8.2	3.3	3.3	11.5	60.6	186.8	160.6	100.0	78.7	109.8
100°	9.8	9.8	3.3	3.3	13.1	36.1	129.5	119.6	70.5	26.2	31.1
102.5°	11.5	11.5	3.3	3.3	8.2	18.0	62.3	60.6	39.3	6.6	11.5
105°	11.5	13.1	3.3	3.3	3.3	8.2	22.9	27.9	19.7	6.6	11.5
107.5°	13.1	14.7	3.3	3.3	3.3	4.9	9.8	9.8	6.6	6.6	11.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	9.8	9.8	1.6	3.3	3.3	3.3	1.6	3.3	3.3	4.9	9.8
115°	4.9	3.3	1.6	3.3	1.6	3.3	1.6	3.3	4.9	4.9	11.5
117.5°	1.6	1.6	1.6	1.6	1.6	3.3	1.6	3.3	3.3	8.2	14.7
120°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	11.5	18.0
122.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	11.5	21.3
125°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	8.2	19.7
127.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	8.2	16.4
130°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	6.6	14.7
132.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	6.6	11.5
135°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	8.2
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3
140°	1.6	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
142.5°	1.6	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
145°	1.6	1.6	1.6	1.6	3.3	1.6	1.6	1.6	1.6	1.6	1.6
147.5°	1.6	1.6	1.6	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6
150°	6.6	6.6	6.6	4.9	3.3	1.6	4.9	3.3	1.6	1.6	1.6
152.5°	4.9	4.9	8.2	3.3	1.6	1.6	1.6	4.9	4.9	1.6	1.6
155°	4.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6	1.6	4.9	6.6
157.5°	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6	1.6	3.3	1.6
160°	0.0	0.0	0.0	0.0	1.6	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°	937.4	937.4	937.4	937.4	937.4	937.4	937.4	937.4	937.4	937.4	937.4
2.5°	930.9	921.1	894.8	870.2	840.7	822.7	760.4	690.0	675.2	671.9	660.5
5°	907.9	886.6	835.8	727.7	619.5	570.3	547.4	529.4	504.8	499.9	493.3
7.5°	770.3	734.2	655.6	522.8	506.4	460.5	422.8	391.7	324.5	306.5	296.6
10°	640.8	609.7	447.4	380.2	345.8	311.4	270.4	239.3	211.4	198.3	193.4
12.5°	517.9	486.7	334.3	301.6	214.7	177.0	154.1	127.8	106.5	95.1	95.1
15°	573.6	522.8	345.8	214.7	140.9	104.9	77.0	68.8	80.3	81.9	81.9
17.5°	468.7	417.9	272.1	167.2	103.2	57.4	62.3	70.5	77.0	67.2	68.8
20°	539.2	468.7	273.7	126.2	65.6	55.7	57.4	52.4	70.5	72.1	72.1
22.5°	408.1	368.7	206.5	100.0	50.8	52.4	49.2	59.0	65.6	57.4	55.7
25°	527.7	434.3	209.8	63.9	50.8	42.6	50.8	45.9	60.6	62.3	62.3
27.5°	604.7	486.7	183.6	55.7	42.6	45.9	41.0	47.5	45.9	45.9	45.9
30°	686.7	531.0	178.6	54.1	41.0	37.7	39.3	37.7	44.2	45.9	45.9
32.5°	686.7	508.1	136.0	54.1	39.3	36.1	31.1	34.4	36.1	39.3	41.0
35°	691.6	488.4	100.0	49.2	36.1	31.1	27.9	27.9	31.1	32.8	32.8
37.5°	706.4	475.3	77.0	45.9	32.8	27.9	22.9	24.6	42.6	47.5	47.5
40°	747.3	475.3	65.6	42.6	29.5	24.6	19.7	31.1	36.1	42.6	42.6
42.5°	811.2	481.8	62.3	41.0	26.2	21.3	16.4	24.6	44.2	50.8	52.4
45°	878.4	494.9	59.0	39.3	24.6	18.0	19.7	29.5	34.4	45.9	45.9
47.5°	971.9	522.8	57.4	37.7	22.9	14.7	18.0	29.5	37.7	49.2	49.2
50°	1073.5	552.3	54.1	36.1	19.7	13.1	27.9	24.6	31.1	50.8	50.8
52.5°	1178.4	586.7	52.4	34.4	18.0	18.0	31.1	29.5	37.7	49.2	50.8
55°	1270.1	614.6	49.2	34.4	16.4	16.4	32.8	29.5	34.4	45.9	47.5
57.5°	1314.4	619.5	47.5	32.8	14.7	16.4	31.1	36.1	31.1	37.7	41.0
60°	1370.1	632.6	42.6	29.5	13.1	21.3	36.1	47.5	42.6	49.2	52.4
62.5°	1422.6	642.4	37.7	26.2	11.5	22.9	47.5	57.4	45.9	57.4	63.9
65°	1519.2	663.7	31.1	21.3	9.8	26.2	54.1	68.8	50.8	67.2	67.2
67.5°	1653.6	698.2	24.6	18.0	9.8	29.5	55.7	78.7	60.6	73.7	72.1
70°	1706.1	642.4	21.3	16.4	9.8	34.4	60.6	85.2	63.9	81.9	81.9
72.5°	1488.1	463.8	18.0	16.4	16.4	39.3	75.4	93.4	70.5	103.2	101.6
75°	1148.9	291.7	18.0	16.4	19.7	49.2	85.2	100.0	75.4	114.7	113.1
77.5°	765.4	137.7	18.0	18.0	22.9	54.1	91.8	106.5	83.6	127.8	126.2
80°	299.9	75.4	19.7	19.7	27.9	57.4	98.3	109.8	86.9	137.7	136.0
82.5°	144.2	52.4	19.7	19.7	37.7	63.9	104.9	114.7	90.1	139.3	137.7
85°	122.9	49.2	18.0	21.3	45.9	80.3	111.4	113.1	91.8	132.7	132.7
87.5°	109.8	47.5	18.0	21.3	62.3	93.4	116.4	111.4	98.3	129.5	129.5
90°	113.1	50.8	19.7	24.6	70.5	95.1	118.0	111.4	95.1	119.6	119.6
92.5°	121.3	54.1	21.3	26.2	70.5	88.5	109.8	100.0	88.5	101.6	100.0
95°	127.8	57.4	22.9	29.5	62.3	68.8	91.8	80.3	73.7	78.7	78.7
97.5°	98.3	44.2	26.2	32.8	47.5	41.0	57.4	52.4	39.3	32.8	32.8
100°	26.2	14.7	27.9	32.8	32.8	27.9	42.6	39.3	26.2	11.5	11.5
102.5°	9.8	9.8	26.2	31.1	26.2	21.3	31.1	29.5	21.3	3.3	3.3
105°	9.8	8.2	16.4	24.6	16.4	11.5	16.4	19.7	13.1	3.3	3.3
107.5°	9.8	8.2	9.8	14.7	6.6	4.9	6.6	6.6	6.6	1.6	3.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.8	8.2	4.9	6.6	4.9	4.9	3.3	3.3	4.9	9.8	9.8
115°	9.8	8.2	4.9	4.9	3.3	4.9	3.3	1.6	4.9	11.5	13.1
117.5°	13.1	8.2	3.3	3.3	3.3	3.3	3.3	1.6	4.9	14.7	16.4
120°	16.4	9.8	3.3	3.3	3.3	1.6	3.3	1.6	6.6	14.7	16.4
122.5°	18.0	11.5	3.3	3.3	3.3	1.6	1.6	3.3	6.6	14.7	14.7
125°	18.0	11.5	3.3	3.3	1.6	1.6	1.6	1.6	6.6	14.7	16.4
127.5°	14.7	9.8	3.3	3.3	1.6	1.6	1.6	1.6	6.6	13.1	14.7
130°	13.1	9.8	3.3	3.3	1.6	1.6	1.6	1.6	6.6	11.5	13.1
132.5°	9.8	8.2	3.3	1.6	1.6	1.6	1.6	1.6	6.6	9.8	11.5
135°	8.2	4.9	3.3	1.6	1.6	1.6	1.6	1.6	4.9	9.8	9.8
137.5°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	3.3	4.9	4.9
140°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3
142.5°	1.6	3.3	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
145°	1.6	3.3	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
147.5°	1.6	3.3	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
150°	1.6	3.3	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	3.3
152.5°	1.6	3.3	1.6	1.6	1.6	0.0	0.0	1.6	1.6	1.6	1.6
155°	6.6	4.9	3.3	1.6	1.6	0.0	0.0	0.0	1.6	1.6	1.6
157.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6	1.6
160°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	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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110°	13.1	13.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	6.6	11.5
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110°	9.8	8.2	4.9	6.6	4.9	4.9	4.9	3.3	3.3	6.6	6.6
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