

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: P560389

Luminaire Tested: **SDL-PA1-40-740-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560389
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-PA1-40-740-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 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: 3458.5 lumens
Efficiency: N/A
Efficacy: 87.8 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

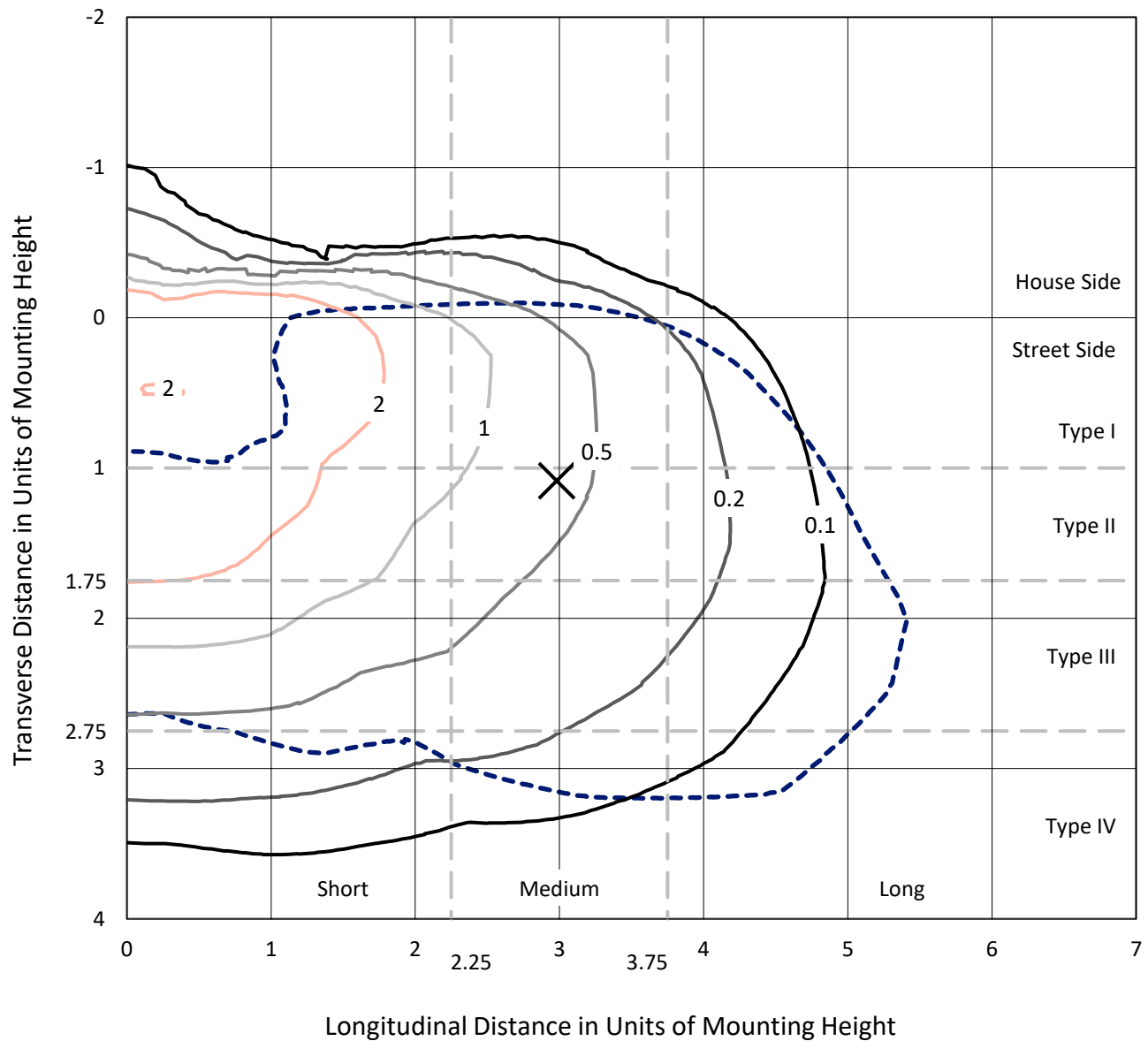


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Iso-Footcandle Lines of Horizontal Illumination

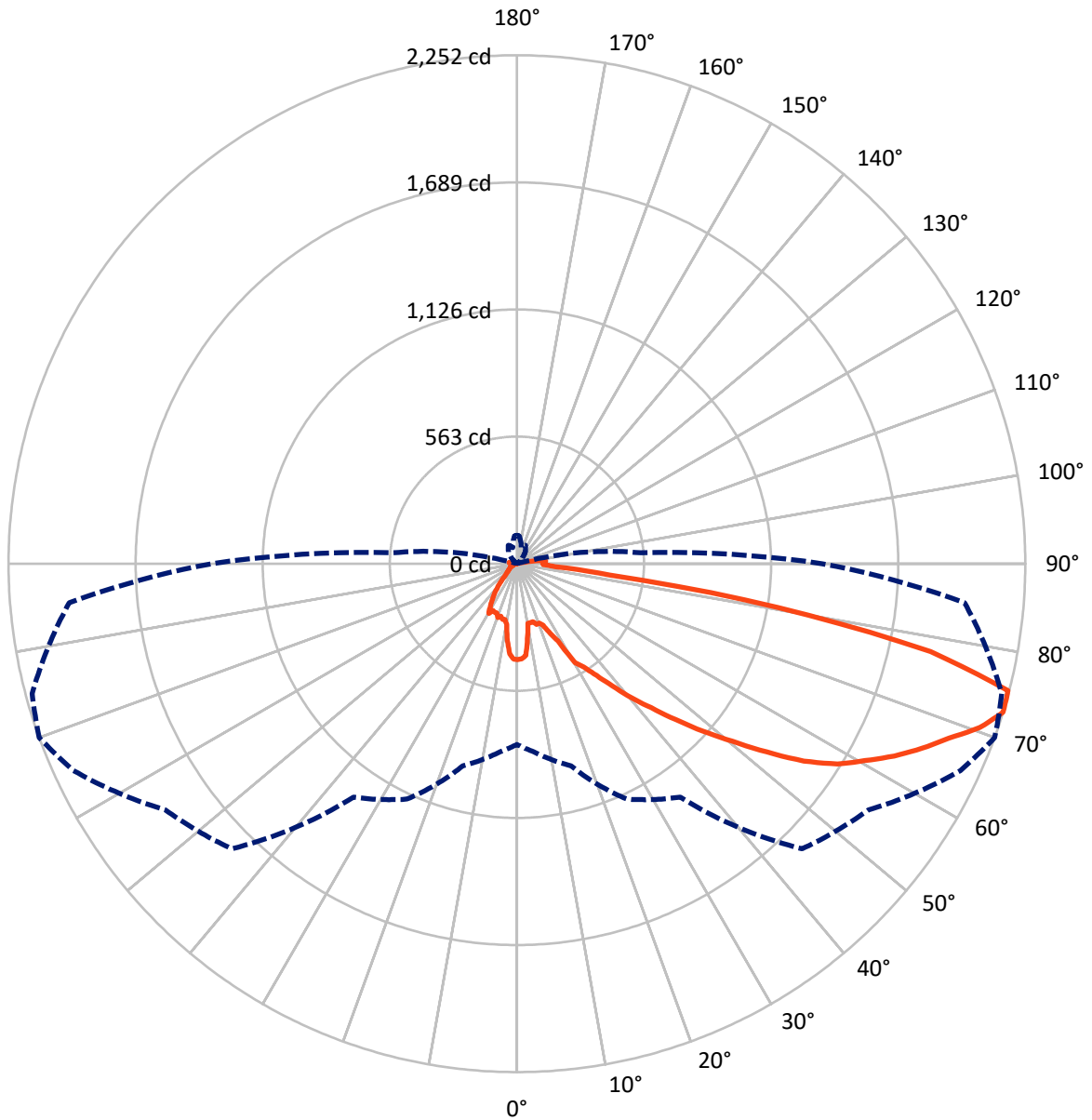
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 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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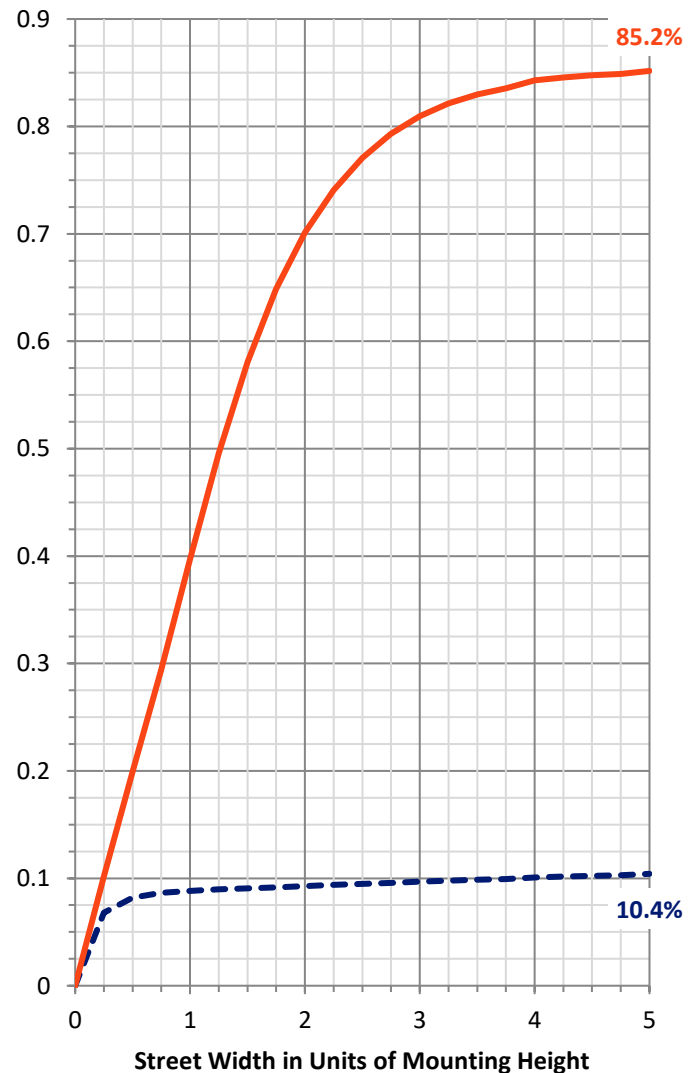
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	396.4	55.8	452.2
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	2961.2	45.1	3006.3
	% Fixture	85.6	1.3	86.9
Total	Lumens	3357.6	100.9	3458.5
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.8	0.9
10°-20°	64.8	1.9
20°-30°	104.9	3.0
30°-40°	224.2	6.5
40°-50°	440.7	12.7
50°-60°	735.9	21.3
60°-70°	913.4	26.4
70°-80°	703.4	20.3
80°-90°	137.5	4.0
90°-100°	74.6	2.2
100°-110°	15.4	0.4
110°-120°	4.4	0.1
120°-130°	3.4	0.1
130°-140°	1.6	0.0
140°-150°	0.7	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3357.6	97.1
0°-180°	3458.5	100.0



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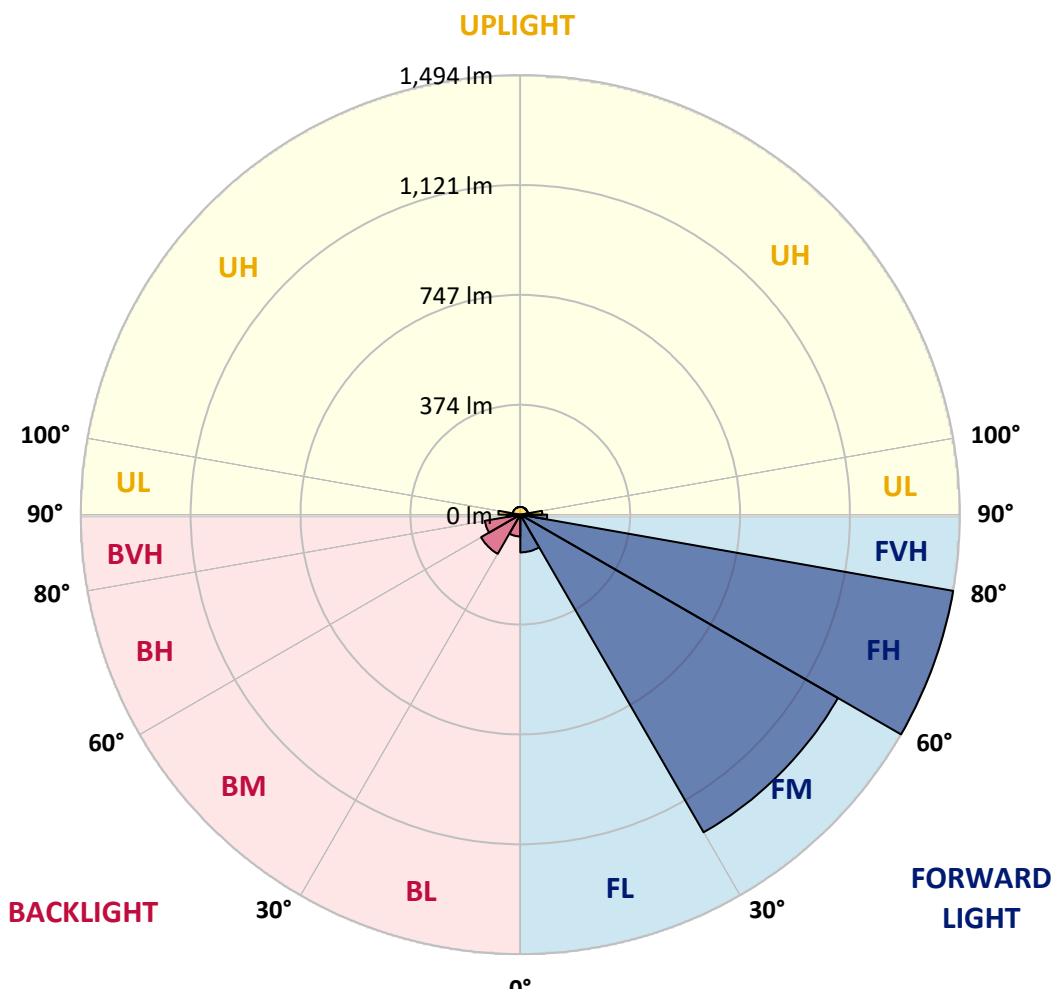
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	128.3	3.7			
FM	(30°-60°)	1247.1	36.1			
FH	(60°-80°)	1494.3	43.2			G1/1800
FVH	(80°-90°)	91.5	2.6			G1/100
BL	(0°-30°)	74.2	2.1	B0/110		
BM	(30°-60°)	153.7	4.4	B0/220		
BH	(60°-80°)	122.5	3.5	B1/500		G1/500
BVH	(80°-90°)	46.0	1.3			G1/100
UL	(90°-100°)	74.6	2.2		U3/500	
UH	(100°-180°)	26.3	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°	424.8	424.8	424.8	424.8	424.8	424.8	424.8	424.8	424.8	424.8	424.8
2.5°	358.2	397.8	399.6	403.2	406.8	412.2	421.2	421.2	421.2	421.2	423.0
5°	340.2	340.2	340.2	343.8	343.8	347.4	349.2	403.2	408.6	414.0	414.0
7.5°	282.6	309.6	311.4	322.2	334.8	340.2	343.8	340.2	334.8	356.4	365.4
10°	309.6	309.6	309.6	313.2	295.2	286.2	264.6	266.4	268.2	284.4	324.0
12.5°	257.4	273.6	289.8	307.8	284.4	255.6	250.2	264.6	268.2	239.4	284.4
15°	300.6	298.8	298.8	282.6	235.8	255.6	223.2	235.8	266.4	291.6	338.4
17.5°	248.4	241.2	280.8	277.2	252.0	201.6	257.4	255.6	282.6	261.0	291.6
20°	295.2	293.4	293.4	226.8	250.2	271.8	268.2	250.2	280.8	313.2	369.0
22.5°	248.4	244.8	252.0	271.8	248.4	280.8	244.8	309.6	295.2	286.2	268.2
25°	313.2	311.4	311.4	248.4	280.8	257.4	309.6	282.6	342.0	372.6	406.8
27.5°	280.8	280.8	268.2	288.0	268.2	324.0	297.0	356.4	387.0	406.8	491.4
30°	388.8	390.6	369.0	286.2	298.8	304.2	351.0	441.0	507.6	556.2	608.4
32.5°	559.8	549.0	459.0	390.6	316.8	376.2	388.8	513.0	545.4	597.6	642.6
35°	761.4	756.0	676.8	505.8	381.6	403.2	433.8	558.0	608.4	660.6	687.6
37.5°	900.0	894.6	844.2	644.4	460.8	469.8	473.4	621.0	685.8	738.0	750.6
40°	1013.4	1004.4	973.8	752.4	567.0	549.0	531.0	707.4	781.2	824.4	829.8
42.5°	1184.4	1170.0	1092.6	876.6	675.0	655.2	594.0	783.0	871.2	928.8	932.4
45°	1389.6	1377.0	1269.0	1049.4	790.2	784.8	705.6	880.2	984.6	1053.0	1033.2
47.5°	1530.1	1495.9	1434.7	1215.0	968.4	921.6	829.8	979.2	1107.0	1209.6	1153.8
50°	1657.9	1632.7	1580.5	1398.6	1161.0	1098.0	959.4	1092.6	1236.6	1330.2	1254.6
52.5°	1776.7	1738.9	1695.7	1535.5	1326.6	1296.0	1087.2	1206.0	1386.0	1463.5	1359.0
55°	1836.1	1776.7	1769.5	1659.7	1454.5	1429.3	1231.2	1346.4	1542.7	1596.7	1458.1
57.5°	1738.9	1737.1	1792.9	1735.3	1558.9	1546.3	1377.0	1497.7	1674.1	1699.3	1555.3
60°	1674.1	1675.9	1760.5	1764.1	1650.7	1657.9	1508.5	1672.3	1771.3	1787.5	1647.1
62.5°	1560.7	1573.3	1701.1	1783.9	1674.1	1764.1	1620.1	1792.9	1875.7	1881.1	1760.5
65°	1418.4	1431.1	1560.7	1729.9	1648.9	1834.3	1713.7	1927.9	1971.1	1974.7	1884.7
67.5°	1252.8	1258.2	1402.2	1589.5	1587.7	1859.5	1771.3	2017.9	2062.9	2073.7	1990.9
70°	1069.2	1062.0	1193.4	1409.4	1456.3	1846.9	1841.5	2106.1	2174.5	2172.7	2064.7
72.5°	801.0	835.2	927.0	1150.2	1261.8	1785.7	1900.9	2167.3	2251.9	2223.1	1990.9
75°	273.6	291.6	540.0	732.6	972.0	1621.9	1913.5	2170.9	2246.5	2118.7	1629.1
77.5°	90.0	84.6	120.6	291.6	540.0	1123.2	1683.1	1893.7	1873.9	1647.1	1000.8
80°	43.2	45.0	54.0	102.6	198.0	509.4	1056.6	1198.8	1171.8	864.0	433.8
82.5°	28.8	30.6	36.0	59.4	111.6	174.6	561.6	547.2	414.0	271.8	178.2
85°	12.6	12.6	18.0	30.6	68.4	115.2	214.2	187.2	169.2	156.6	145.8
87.5°	3.6	3.6	7.2	10.8	23.4	72.0	120.6	113.4	117.0	122.4	138.6
90°	3.6	3.6	3.6	3.6	18.0	75.6	122.4	115.2	115.2	122.4	145.8
92.5°	5.4	5.4	3.6	3.6	16.2	75.6	127.8	109.8	117.0	124.2	156.6
95°	5.4	7.2	3.6	1.8	12.6	77.4	131.4	117.0	127.8	126.0	167.4
97.5°	7.2	7.2	3.6	1.8	7.2	66.6	133.2	95.4	97.2	90.0	131.4
100°	9.0	9.0	3.6	3.6	5.4	34.2	99.0	61.2	37.8	28.8	43.2
102.5°	10.8	10.8	3.6	3.6	3.6	12.6	45.0	36.0	19.8	5.4	10.8
105°	10.8	12.6	3.6	3.6	1.8	5.4	19.8	14.4	7.2	5.4	10.8
107.5°	12.6	12.6	3.6	3.6	1.8	3.6	5.4	5.4	3.6	5.4	10.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	9.0	9.0	3.6	5.4	1.8	1.8	1.8	3.6	3.6	5.4	10.8
115°	5.4	3.6	1.8	3.6	1.8	1.8	1.8	3.6	3.6	3.6	9.0
117.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	5.4	10.8
120°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	7.2	12.6
122.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	7.2	14.4
125°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	5.4	12.6
127.5°	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8	3.6	5.4	10.8
130°	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8	1.8	3.6	7.2
132.5°	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8	1.8	3.6	7.2
135°	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8	1.8	1.8	3.6
137.5°	1.8	1.8	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
140°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	3.6	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
152.5°	3.6	3.6	3.6	1.8	1.8	1.8	1.8	3.6	3.6	1.8	1.8
155°	1.8	1.8	1.8	0.0	0.0	1.8	1.8	1.8	1.8	3.6	3.6
157.5°	0.0	1.8	1.8	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8
160°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8
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°	424.8	424.8	424.8	424.8	424.8	424.8	424.8	424.8	424.8	424.8	424.8
2.5°	423.0	423.0	421.2	424.8	423.0	423.0	399.6	376.2	370.8	372.6	376.2
5°	415.8	415.8	415.8	387.0	354.6	343.8	347.4	347.4	347.4	345.6	349.2
7.5°	367.2	365.4	360.0	327.6	342.0	340.2	338.4	334.8	291.6	280.8	280.8
10°	325.8	325.8	279.0	266.4	266.4	277.2	284.4	273.6	268.2	259.2	257.4
12.5°	286.2	286.2	239.4	266.4	225.0	223.2	217.8	199.8	169.2	147.6	149.4
15°	340.2	340.2	282.6	226.8	189.0	178.2	111.6	104.4	100.8	99.0	97.2
17.5°	289.8	291.6	261.0	225.0	176.4	93.6	79.2	79.2	79.2	75.6	68.4
20°	367.2	367.2	304.2	201.6	133.2	73.8	61.2	54.0	73.8	73.8	73.8
22.5°	266.4	262.8	268.2	205.2	82.8	59.4	50.4	63.0	66.6	55.8	55.8
25°	403.2	397.8	325.8	147.6	68.4	46.8	55.8	48.6	63.0	63.0	63.0
27.5°	496.8	460.8	331.2	135.0	50.4	54.0	45.0	54.0	48.6	46.8	46.8
30°	597.6	581.4	399.6	106.2	48.6	45.0	46.8	43.2	50.4	46.8	46.8
32.5°	630.0	613.8	361.8	82.8	46.8	43.2	39.6	41.4	39.6	41.4	41.4
35°	671.4	655.2	320.4	63.0	43.2	37.8	36.0	36.0	34.2	32.4	32.4
37.5°	730.8	703.8	273.6	54.0	39.6	34.2	28.8	27.0	28.8	36.0	37.8
40°	799.2	754.2	216.0	48.6	34.2	28.8	21.6	25.2	30.6	30.6	30.6
42.5°	898.2	815.4	160.2	45.0	30.6	23.4	16.2	19.8	23.4	32.4	32.4
45°	984.6	851.4	113.4	41.4	25.2	18.0	12.6	19.8	25.2	28.8	28.8
47.5°	1085.4	885.6	84.6	39.6	23.4	12.6	14.4	19.8	19.8	30.6	30.6
50°	1170.0	892.8	68.4	36.0	18.0	9.0	18.0	18.0	21.6	27.0	27.0
52.5°	1249.2	900.0	61.2	32.4	14.4	7.2	18.0	18.0	25.2	32.4	32.4
55°	1301.4	878.4	55.8	28.8	12.6	5.4	19.8	19.8	19.8	25.2	25.2
57.5°	1342.8	851.4	52.2	25.2	10.8	10.8	21.6	25.2	21.6	25.2	25.2
60°	1369.8	802.8	45.0	23.4	9.0	10.8	27.0	32.4	25.2	37.8	37.8
62.5°	1418.4	765.0	39.6	21.6	7.2	10.8	27.0	41.4	32.4	50.4	52.2
65°	1458.1	730.8	34.2	16.2	7.2	14.4	30.6	52.2	39.6	63.0	64.8
67.5°	1474.3	689.4	28.8	14.4	7.2	16.2	39.6	64.8	50.4	73.8	73.8
70°	1461.7	646.2	23.4	14.4	7.2	25.2	52.2	75.6	61.2	90.0	91.8
72.5°	1351.8	550.8	18.0	14.4	5.4	27.0	64.8	90.0	73.8	122.4	126.0
75°	1035.0	349.2	18.0	14.4	7.2	30.6	75.6	104.4	88.2	136.8	142.2
77.5°	631.8	162.0	18.0	16.2	9.0	37.8	82.8	120.6	97.2	147.6	151.2
80°	280.8	100.8	18.0	18.0	18.0	46.8	97.2	133.2	109.8	156.6	162.0
82.5°	140.4	75.6	16.2	18.0	27.0	55.8	115.2	142.2	113.4	162.0	163.8
85°	120.6	68.4	16.2	19.8	28.8	64.8	124.2	144.0	118.8	160.2	162.0
87.5°	115.2	64.8	19.8	19.8	32.4	68.4	127.8	151.2	122.4	154.8	153.0
90°	120.6	63.0	21.6	23.4	41.4	70.2	129.6	147.6	122.4	145.8	145.8
92.5°	124.2	61.2	23.4	27.0	50.4	79.2	127.8	144.0	122.4	135.0	135.0
95°	127.8	61.2	27.0	30.6	50.4	86.4	122.4	131.4	113.4	120.6	118.8
97.5°	97.2	45.0	32.4	34.2	46.8	66.6	99.0	102.6	73.8	72.0	70.2
100°	34.2	19.8	32.4	37.8	28.8	28.8	59.4	72.0	43.2	27.0	30.6
102.5°	10.8	9.0	28.8	37.8	23.4	10.8	30.6	45.0	32.4	3.6	3.6
105°	10.8	10.8	16.2	30.6	16.2	3.6	10.8	25.2	19.8	3.6	3.6
107.5°	10.8	9.0	7.2	18.0	5.4	3.6	5.4	5.4	5.4	1.8	3.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.6	9.0	3.6	5.4	3.6	3.6	3.6	1.8	3.6	9.0	10.8
115°	10.8	9.0	3.6	3.6	3.6	3.6	1.8	1.8	3.6	10.8	10.8
117.5°	12.6	10.8	3.6	3.6	1.8	3.6	1.8	1.8	3.6	10.8	12.6
120°	14.4	12.6	3.6	3.6	1.8	1.8	1.8	1.8	3.6	9.0	10.8
122.5°	14.4	14.4	3.6	1.8	1.8	1.8	1.8	1.8	5.4	9.0	9.0
125°	12.6	12.6	3.6	1.8	1.8	1.8	1.8	1.8	5.4	9.0	9.0
127.5°	10.8	10.8	3.6	1.8	1.8	1.8	1.8	1.8	3.6	7.2	9.0
130°	9.0	9.0	3.6	1.8	1.8	1.8	0.0	1.8	3.6	7.2	7.2
132.5°	7.2	5.4	3.6	1.8	1.8	1.8	0.0	1.8	3.6	5.4	7.2
135°	5.4	5.4	1.8	1.8	1.8	1.8	0.0	0.0	3.6	3.6	5.4
137.5°	3.6	1.8	1.8	1.8	1.8	0.0	0.0	0.0	1.8	3.6	3.6
140°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8
142.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8
145°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8
147.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8
150°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8
152.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	1.8	1.8	1.8
155°	3.6	3.6	3.6	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8
157.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.8	1.8	1.8	1.8	1.8	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° | 12.6 12.6 5.4 3.6 1.8 3.6 1.8 3.6 3.6 5.4 12.6



110°	12.6	9.0	3.6	5.4	3.6	3.6	3.6	3.6	3.6	7.2	7.2
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(END OF REPORT)