

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: P560565

Luminaire Tested: **SDL-PA1-50-740-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560565
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-PA1-50-740-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 670mA 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: 4487.3 lumens
Efficiency: N/A
Efficacy: 85.6 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

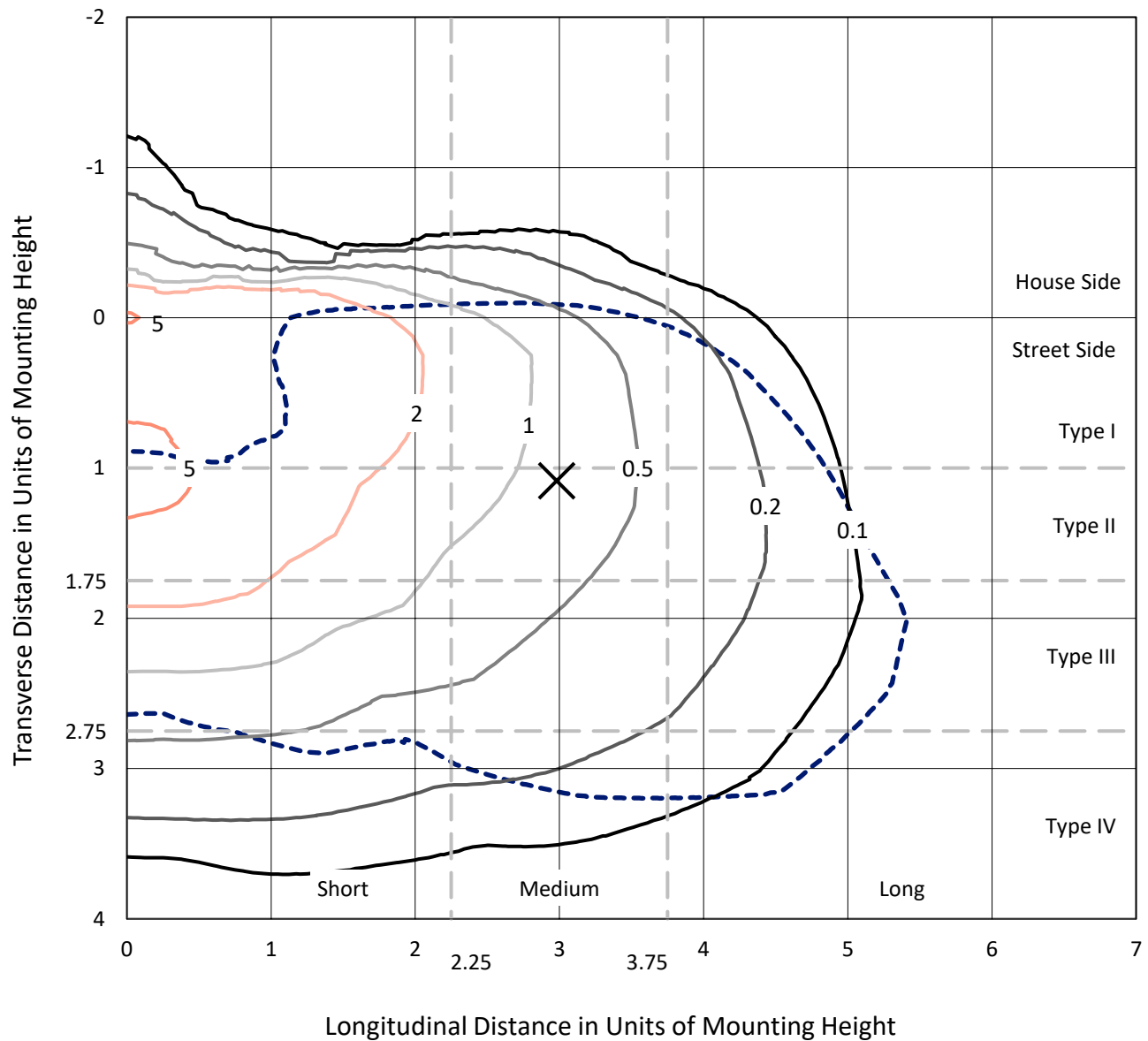
Input Watts (W): 52.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

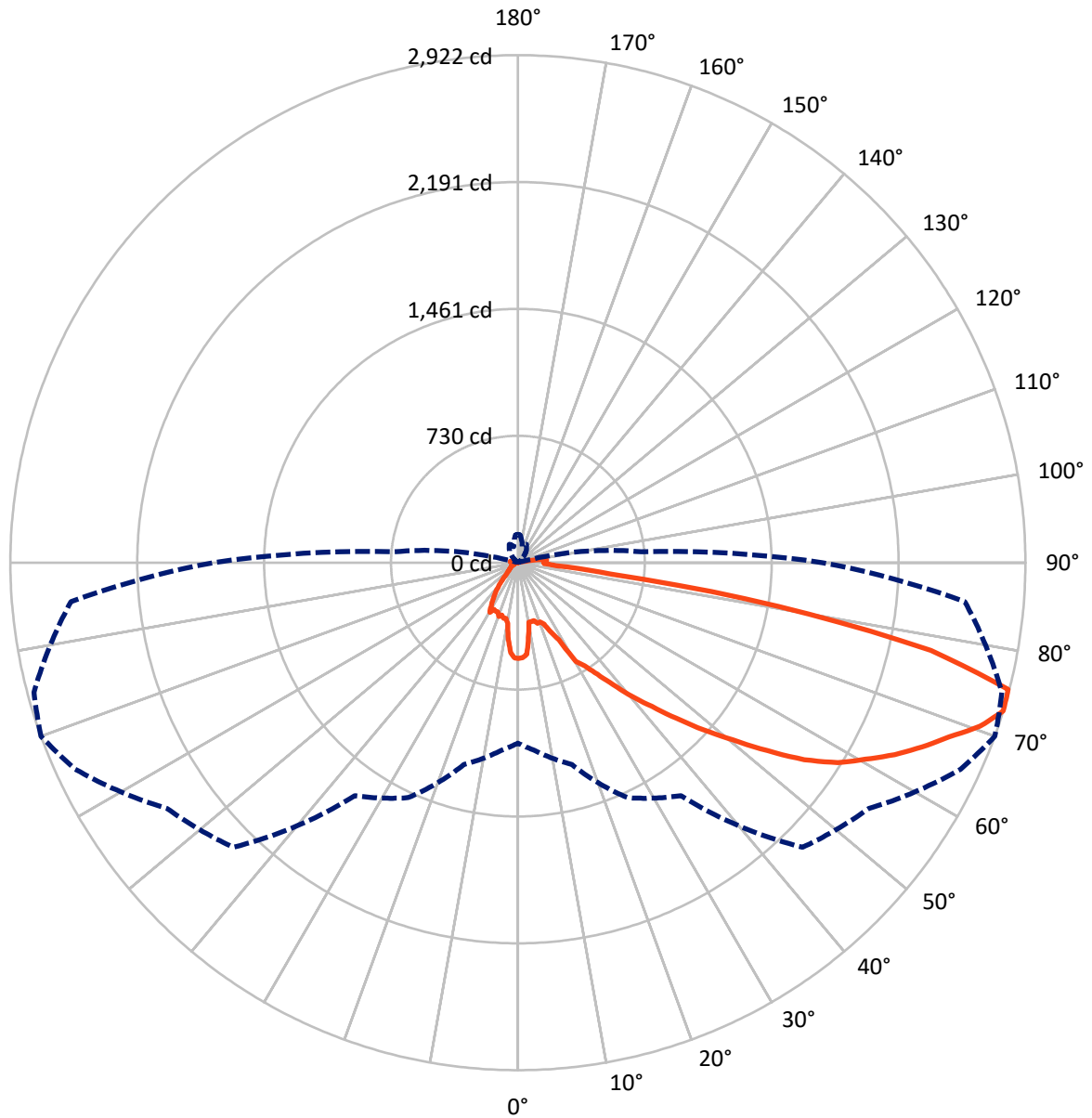
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 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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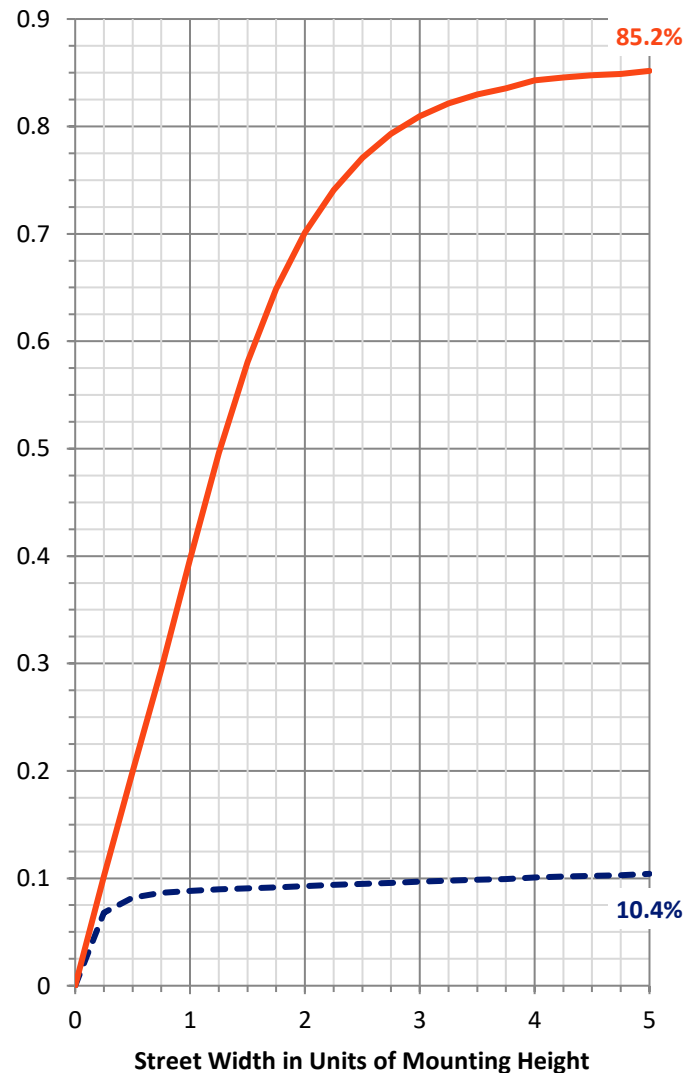
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	514.4	72.4	586.7
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	3842.1	58.5	3900.6
	% Fixture	85.6	1.3	86.9
Total	Lumens	4356.5	130.9	4487.3
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.5	0.9
10°-20°	84.0	1.9
20°-30°	136.1	3.0
30°-40°	290.9	6.5
40°-50°	571.8	12.7
50°-60°	954.8	21.3
60°-70°	1185.1	26.4
70°-80°	912.7	20.3
80°-90°	178.5	4.0
90°-100°	96.8	2.2
100°-110°	20.0	0.4
110°-120°	5.7	0.1
120°-130°	4.4	0.1
130°-140°	2.1	0.0
140°-150°	0.9	0.0
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4356.5	97.1
0°-180°	4487.3	100.0



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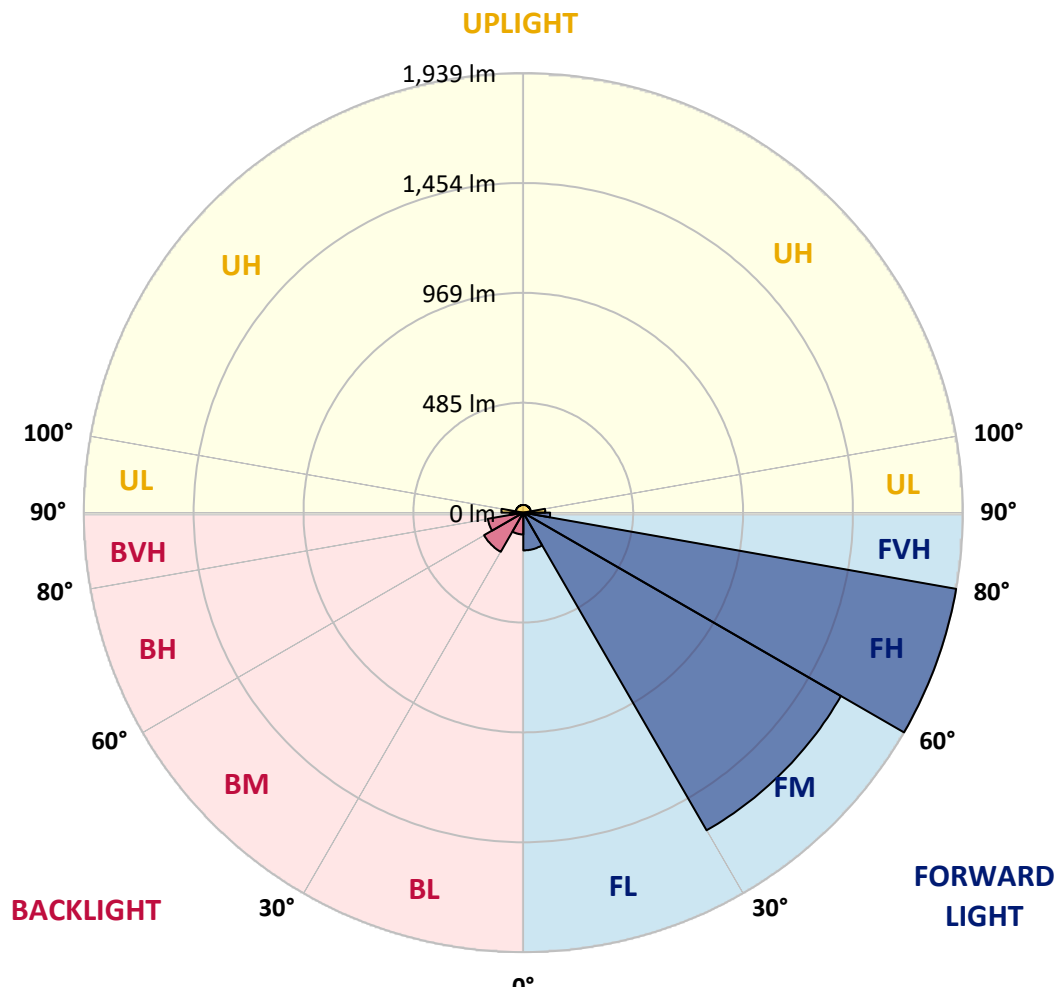
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	166.4	3.7			
FM	(30°-60°)	1618.0	36.1			
FH	(60°-80°)	1938.8	43.2			G2/5000
FVH	(80°-90°)	118.8	2.6			G2/225
BL	(0°-30°)	96.2	2.1	B0/110		
BM	(30°-60°)	199.5	4.4	B0/220		
BH	(60°-80°)	159.0	3.5	B1/500		G1/500
BVH	(80°-90°)	59.7	1.3			G1/100
UL	(90°-100°)	96.8	2.2		U3/500	
UH	(100°-180°)	34.0	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°	65°	70°	75°	85°
0°	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2
2.5°	464.8	516.2	518.5	523.2	527.8	534.8	546.5	546.5	546.5	546.5	548.9
5°	441.4	441.4	441.4	446.1	446.1	450.8	453.1	523.2	530.2	537.2	537.2
7.5°	366.7	401.7	404.1	418.1	434.4	441.4	446.1	441.4	434.4	462.4	474.1
10°	401.7	401.7	401.7	406.4	383.0	371.4	343.3	345.7	348.0	369.0	420.4
12.5°	334.0	355.0	376.0	399.4	369.0	331.6	324.6	343.3	348.0	310.6	369.0
15°	390.0	387.7	387.7	366.7	306.0	331.6	289.6	306.0	345.7	378.4	439.1
17.5°	322.3	313.0	364.3	359.7	327.0	261.6	334.0	331.6	366.7	338.7	378.4
20°	383.0	380.7	380.7	294.3	324.6	352.7	348.0	324.6	364.3	406.4	478.8
22.5°	322.3	317.6	327.0	352.7	322.3	364.3	317.6	401.7	383.0	371.4	348.0
25°	406.4	404.1	404.1	322.3	364.3	334.0	401.7	366.7	443.8	483.5	527.8
27.5°	364.3	364.3	348.0	373.7	348.0	420.4	385.4	462.4	502.1	527.8	637.6
30°	504.5	506.8	478.8	371.4	387.7	394.7	455.4	572.2	658.6	721.7	789.4
32.5°	726.4	712.3	595.6	506.8	411.1	488.1	504.5	665.6	707.7	775.4	833.8
35°	987.9	980.9	878.2	656.3	495.1	523.2	562.9	724.0	789.4	857.1	892.2
37.5°	1167.8	1160.8	1095.4	836.1	597.9	609.6	614.2	805.8	889.8	957.6	973.9
40°	1314.9	1303.2	1263.5	976.3	735.7	712.3	689.0	917.9	1013.6	1069.7	1076.7
42.5°	1536.8	1518.1	1417.7	1137.4	875.8	850.1	770.7	1016.0	1130.4	1205.1	1209.8
45°	1803.0	1786.7	1646.6	1361.6	1025.3	1018.3	915.5	1142.1	1277.5	1366.3	1340.6
47.5°	1985.2	1940.8	1861.4	1576.5	1256.5	1195.8	1076.7	1270.5	1436.4	1569.5	1497.1
50°	2151.0	2118.3	2050.6	1814.7	1506.4	1424.7	1244.8	1417.7	1604.5	1726.0	1627.9
52.5°	2305.2	2256.1	2200.1	1992.2	1721.3	1681.6	1410.7	1564.8	1798.4	1898.8	1763.3
55°	2382.3	2305.2	2295.8	2153.4	1887.1	1854.4	1597.5	1747.0	2001.6	2071.6	1891.8
57.5°	2256.1	2253.8	2326.2	2251.5	2022.6	2006.2	1786.7	1943.2	2172.1	2204.8	2017.9
60°	2172.1	2174.4	2284.2	2288.8	2141.7	2151.0	1957.2	2169.7	2298.2	2319.2	2137.0
62.5°	2024.9	2041.3	2207.1	2314.5	2172.1	2288.8	2102.0	2326.2	2433.6	2440.6	2284.2
65°	1840.4	1856.8	2024.9	2244.5	2139.4	2379.9	2223.4	2501.4	2557.4	2562.1	2445.3
67.5°	1625.5	1632.5	1819.4	2062.3	2060.0	2412.6	2298.2	2618.2	2676.5	2690.6	2583.1
70°	1387.3	1378.0	1548.5	1828.7	1889.5	2396.3	2389.3	2732.6	2821.3	2819.0	2678.9
72.5°	1039.3	1083.7	1202.8	1492.4	1637.2	2316.9	2466.3	2812.0	2921.8	2884.4	2583.1
75°	355.0	378.4	700.7	950.6	1261.2	2104.3	2482.7	2816.7	2914.8	2748.9	2113.7
77.5°	116.8	109.8	156.5	378.4	700.7	1457.4	2183.7	2457.0	2431.3	2137.0	1298.6
80°	56.1	58.4	70.1	133.1	256.9	661.0	1371.0	1555.5	1520.4	1121.1	562.9
82.5°	37.4	39.7	46.7	77.1	144.8	226.5	728.7	710.0	537.2	352.7	231.2
85°	16.3	16.3	23.4	39.7	88.8	149.5	277.9	242.9	219.5	203.2	189.2
87.5°	4.7	4.7	9.3	14.0	30.4	93.4	156.5	147.1	151.8	158.8	179.8
90°	4.7	4.7	4.7	4.7	23.4	98.1	158.8	149.5	149.5	158.8	189.2
92.5°	7.0	7.0	4.7	4.7	21.0	98.1	165.8	142.5	151.8	161.2	203.2
95°	7.0	9.3	4.7	2.3	16.3	100.4	170.5	151.8	165.8	163.5	217.2
97.5°	9.3	9.3	4.7	2.3	9.3	86.4	172.8	123.8	126.1	116.8	170.5
100°	11.7	11.7	4.7	4.7	7.0	44.4	128.5	79.4	49.0	37.4	56.1
102.5°	14.0	14.0	4.7	4.7	4.7	16.3	58.4	46.7	25.7	7.0	14.0
105°	14.0	16.3	4.7	4.7	2.3	7.0	25.7	18.7	9.3	7.0	14.0
107.5°	16.3	16.3	4.7	4.7	2.3	4.7	7.0	7.0	4.7	7.0	14.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	11.7	11.7	4.7	7.0	2.3	2.3	2.3	4.7	4.7	7.0	14.0
115°	7.0	4.7	2.3	4.7	2.3	2.3	2.3	4.7	4.7	4.7	11.7
117.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	7.0	14.0
120°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	9.3	16.3
122.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	9.3	18.7
125°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	7.0	16.3
127.5°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	4.7	7.0	14.0
130°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	4.7	9.3
132.5°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	4.7	9.3
135°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	4.7
137.5°	2.3	2.3	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
140°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
152.5°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	4.7	4.7	2.3	2.3
155°	2.3	2.3	2.3	0.0	0.0	2.3	2.3	2.3	2.3	4.7	4.7
157.5°	0.0	2.3	2.3	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3
160°	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3
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°	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2
2.5°	548.9	548.9	546.5	551.2	548.9	548.9	518.5	488.1	481.1	483.5	488.1
5°	539.5	539.5	539.5	502.1	460.1	446.1	450.8	450.8	450.8	448.4	453.1
7.5°	476.5	474.1	467.1	425.1	443.8	441.4	439.1	434.4	378.4	364.3	364.3
10°	422.7	422.7	362.0	345.7	345.7	359.7	369.0	355.0	348.0	336.3	334.0
12.5°	371.4	371.4	310.6	345.7	291.9	289.6	282.6	259.2	219.5	191.5	193.9
15°	441.4	441.4	366.7	294.3	245.2	231.2	144.8	135.5	130.8	128.5	126.1
17.5°	376.0	378.4	338.7	291.9	228.9	121.4	102.8	102.8	102.8	98.1	88.8
20°	476.5	476.5	394.7	261.6	172.8	95.8	79.4	70.1	95.8	95.8	95.8
22.5°	345.7	341.0	348.0	266.3	107.4	77.1	65.4	81.7	86.4	72.4	72.4
25°	523.2	516.2	422.7	191.5	88.8	60.7	72.4	63.1	81.7	81.7	81.7
27.5°	644.6	597.9	429.7	175.2	65.4	70.1	58.4	70.1	63.1	60.7	60.7
30°	775.4	754.4	518.5	137.8	63.1	58.4	60.7	56.1	65.4	60.7	60.7
32.5°	817.4	796.4	469.4	107.4	60.7	56.1	51.4	53.7	51.4	53.7	53.7
35°	871.2	850.1	415.7	81.7	56.1	49.0	46.7	46.7	44.4	42.0	42.0
37.5°	948.2	913.2	355.0	70.1	51.4	44.4	37.4	35.0	37.4	46.7	49.0
40°	1037.0	978.6	280.3	63.1	44.4	37.4	28.0	32.7	39.7	39.7	39.7
42.5°	1165.4	1058.0	207.9	58.4	39.7	30.4	21.0	25.7	30.4	42.0	42.0
45°	1277.5	1104.7	147.1	53.7	32.7	23.4	16.3	25.7	32.7	37.4	37.4
47.5°	1408.3	1149.1	109.8	51.4	30.4	16.3	18.7	25.7	25.7	39.7	39.7
50°	1518.1	1158.4	88.8	46.7	23.4	11.7	23.4	23.4	28.0	35.0	35.0
52.5°	1620.9	1167.8	79.4	42.0	18.7	9.3	23.4	23.4	32.7	42.0	42.0
55°	1688.6	1139.7	72.4	37.4	16.3	7.0	25.7	25.7	25.7	32.7	32.7
57.5°	1742.3	1104.7	67.7	32.7	14.0	14.0	28.0	32.7	28.0	32.7	32.7
60°	1777.4	1041.7	58.4	30.4	11.7	14.0	35.0	42.0	32.7	49.0	49.0
62.5°	1840.4	992.6	51.4	28.0	9.3	14.0	35.0	53.7	42.0	65.4	67.7
65°	1891.8	948.2	44.4	21.0	9.3	18.7	39.7	67.7	51.4	81.7	84.1
67.5°	1912.8	894.5	37.4	18.7	9.3	21.0	51.4	84.1	65.4	95.8	95.8
70°	1896.5	838.5	30.4	18.7	9.3	32.7	67.7	98.1	79.4	116.8	119.1
72.5°	1754.0	714.7	23.4	18.7	7.0	35.0	84.1	116.8	95.8	158.8	163.5
75°	1342.9	453.1	23.4	18.7	9.3	39.7	98.1	135.5	114.4	177.5	184.5
77.5°	819.8	210.2	23.4	21.0	11.7	49.0	107.4	156.5	126.1	191.5	196.2
80°	364.3	130.8	23.4	23.4	23.4	60.7	126.1	172.8	142.5	203.2	210.2
82.5°	182.2	98.1	21.0	23.4	35.0	72.4	149.5	184.5	147.1	210.2	212.5
85°	156.5	88.8	21.0	25.7	37.4	84.1	161.2	186.8	154.1	207.9	210.2
87.5°	149.5	84.1	25.7	25.7	42.0	88.8	165.8	196.2	158.8	200.9	198.5
90°	156.5	81.7	28.0	30.4	53.7	91.1	168.2	191.5	158.8	189.2	189.2
92.5°	161.2	79.4	30.4	35.0	65.4	102.8	165.8	186.8	158.8	175.2	175.2
95°	165.8	79.4	35.0	39.7	65.4	112.1	158.8	170.5	147.1	156.5	154.1
97.5°	126.1	58.4	42.0	44.4	60.7	86.4	128.5	133.1	95.8	93.4	91.1
100°	44.4	25.7	42.0	49.0	37.4	37.4	77.1	93.4	56.1	35.0	39.7
102.5°	14.0	11.7	37.4	49.0	30.4	14.0	39.7	58.4	42.0	4.7	4.7
105°	14.0	14.0	21.0	39.7	21.0	4.7	14.0	32.7	25.7	4.7	4.7
107.5°	14.0	11.7	9.3	23.4	7.0	4.7	7.0	7.0	7.0	2.3	4.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.3	11.7	4.7	7.0	4.7	4.7	4.7	2.3	4.7	11.7	14.0
115°	14.0	11.7	4.7	4.7	4.7	4.7	2.3	2.3	4.7	14.0	14.0
117.5°	16.3	14.0	4.7	4.7	2.3	4.7	2.3	2.3	4.7	14.0	16.3
120°	18.7	16.3	4.7	4.7	2.3	2.3	2.3	2.3	4.7	11.7	14.0
122.5°	18.7	18.7	4.7	2.3	2.3	2.3	2.3	2.3	7.0	11.7	11.7
125°	16.3	16.3	4.7	2.3	2.3	2.3	2.3	2.3	7.0	11.7	11.7
127.5°	14.0	14.0	4.7	2.3	2.3	2.3	2.3	2.3	4.7	9.3	11.7
130°	11.7	11.7	4.7	2.3	2.3	2.3	0.0	2.3	4.7	9.3	9.3
132.5°	9.3	7.0	4.7	2.3	2.3	2.3	0.0	2.3	4.7	7.0	9.3
135°	7.0	7.0	2.3	2.3	2.3	2.3	0.0	0.0	4.7	4.7	7.0
137.5°	4.7	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	4.7	4.7
140°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
145°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
150°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
152.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3	2.3
155°	4.7	4.7	4.7	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
157.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.3	2.3	2.3	2.3	2.3	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°	16.3	16.3	7.0	4.7	2.3	4.7	2.3	4.7	4.7	7.0	16.3
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110°	16.3	11.7	4.7	7.0	4.7	4.7	4.7	4.7	4.7	9.3	9.3
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(END OF REPORT)