

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: P560238

Luminaire Tested: **SDL-PA1-30-750-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-750-U-T4W-A
Description: Springdale
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3507.3 lumens
Efficiency: N/A
Efficacy: 116.5 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

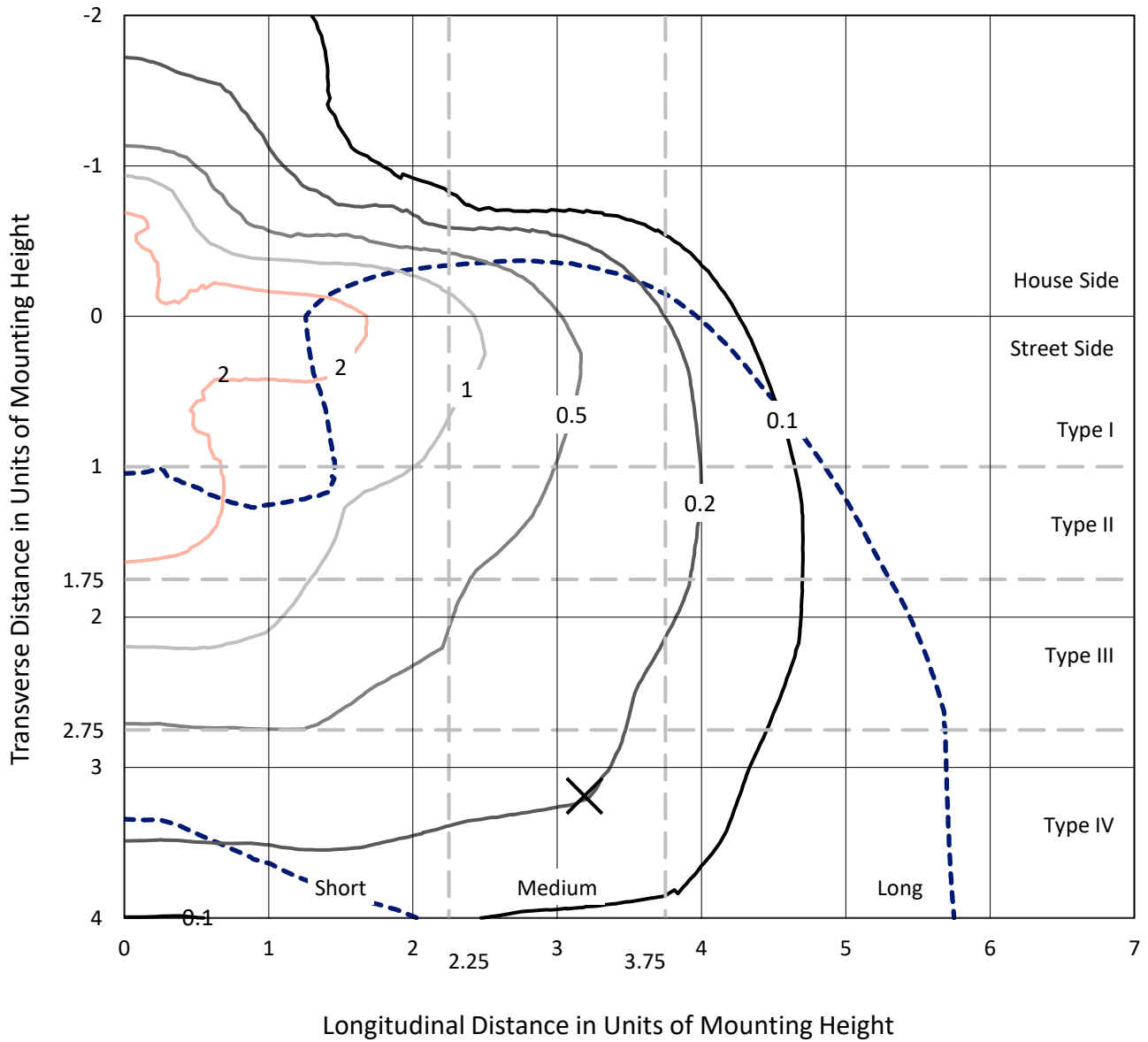
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

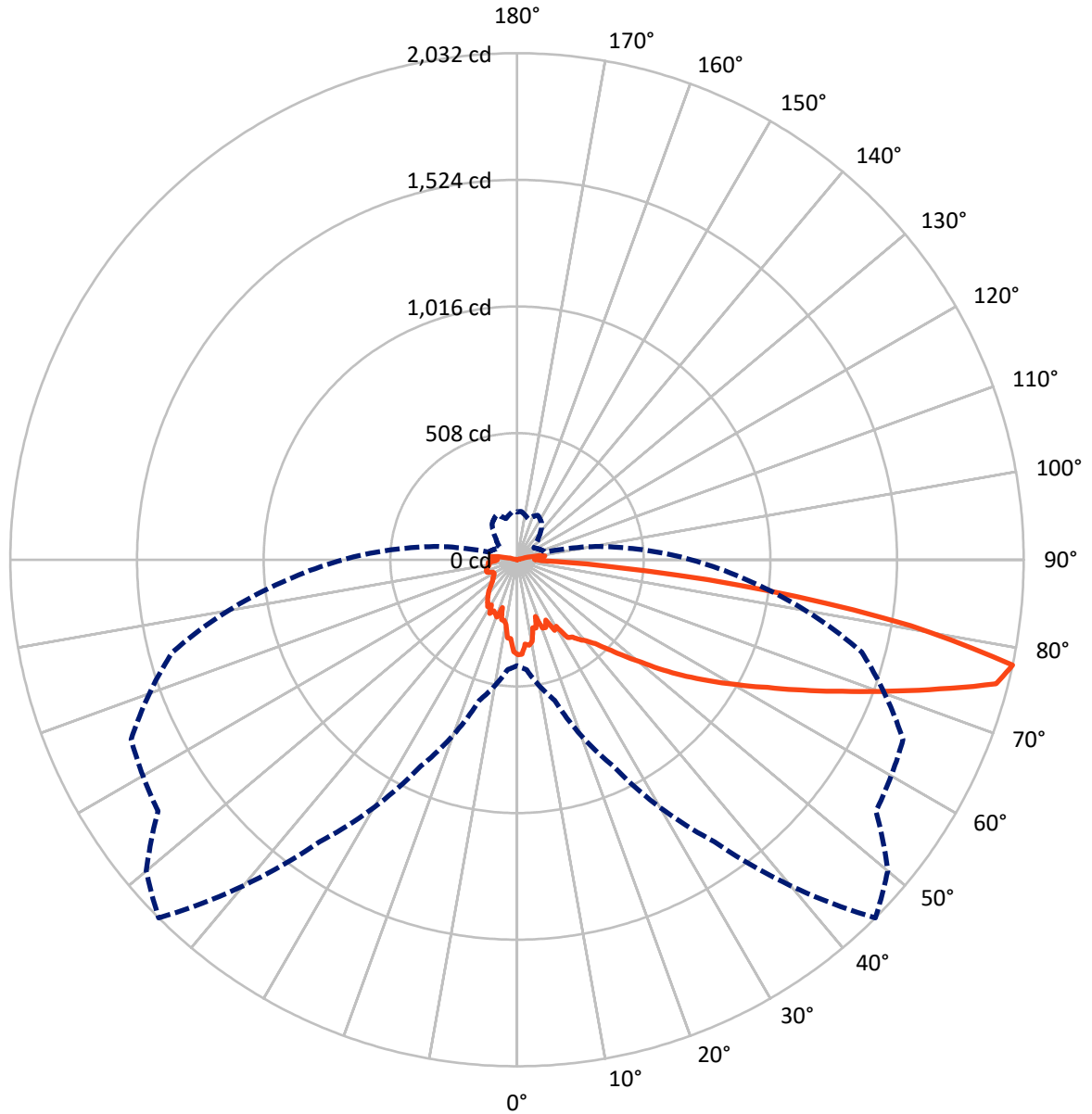
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical

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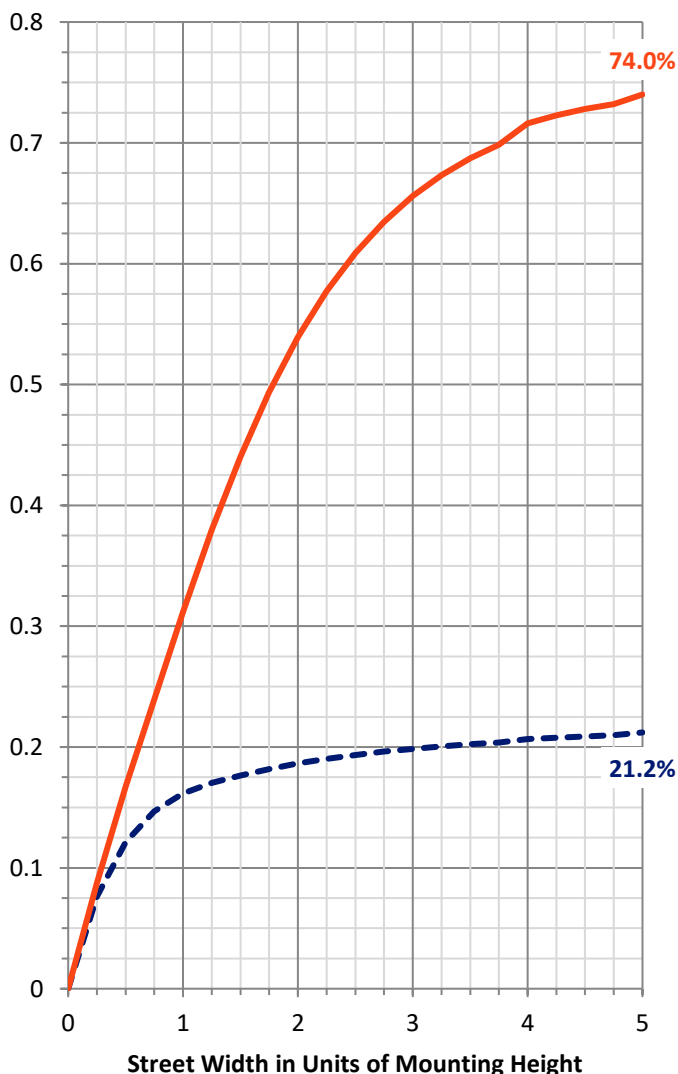
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	785.0	58.6	843.6
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	2616.3	47.4	2663.7
	% Fixture	74.6	1.4	75.9
Total	Lumens	3401.3	106.0	3507.3
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.7	0.9
10°-20°	78.4	2.2
20°-30°	135.6	3.9
30°-40°	240.3	6.9
40°-50°	372.6	10.6
50°-60°	599.8	17.1
60°-70°	882.0	25.1
70°-80°	849.2	24.2
80°-90°	211.8	6.0
90°-100°	79.0	2.3
100°-110°	17.5	0.5
110°-120°	3.8	0.1
120°-130°	3.1	0.1
130°-140°	1.4	0.0
140°-150°	0.6	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3401.3	97.0
0°-180°	3507.3	100.0

Coefficient of Utilization



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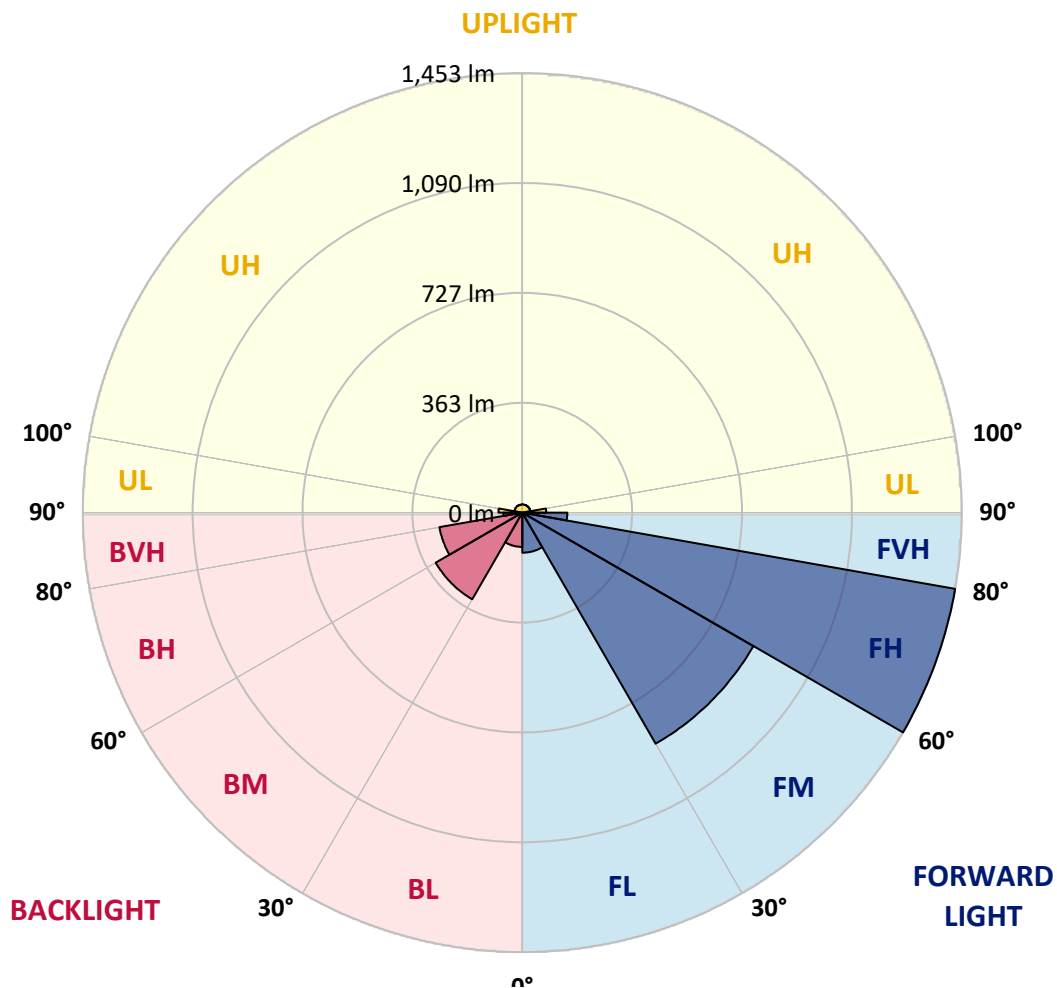
CATALOG NUMBER: SDL-PA1-30-750-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	132.4	3.8			
FM (30°-60°)	882.1	25.2			
FH (60°-80°)	1453.0	41.4			G1/1800
FVH (80°-90°)	148.7	4.2			G2/225
BL (0°-30°)	113.3	3.2	B1/500		
BM (30°-60°)	330.5	9.4	B1/1000		
BH (60°-80°)	278.2	7.9	B1/500		G1/500
BVH (80°-90°)	63.0	1.8			G1/100
UL (90°-100°)	79.0	2.3		U3/500	
UH (100°-180°)	27.0	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°	50°	55°	65°	75°	85°
0°	380.7	380.7	380.7	380.7	380.7	380.7	380.7	380.7	380.7	380.7	380.7
2.5°	346.3	379.4	373.8	378.0	378.0	379.4	380.7	380.7	382.1	380.7	380.7
5°	353.2	351.8	349.0	346.3	343.5	339.4	339.4	339.4	372.5	375.2	372.5
7.5°	329.7	358.7	355.9	350.4	350.4	346.3	340.7	335.2	325.6	322.8	326.9
10°	372.5	371.1	366.9	358.7	328.3	333.8	299.4	270.4	259.3	266.2	284.2
12.5°	331.1	354.5	364.2	364.2	325.6	280.0	249.7	266.2	256.6	229.0	249.7
15°	390.4	387.6	376.6	358.7	285.6	284.2	267.6	234.5	238.7	259.3	278.7
17.5°	333.8	333.8	373.8	342.1	293.8	238.7	237.3	263.5	241.4	230.4	241.4
20°	402.8	401.4	389.0	284.2	296.6	292.5	241.4	269.0	230.4	264.9	289.7
22.5°	342.1	339.4	358.7	340.7	282.8	295.2	226.2	255.2	274.5	242.8	224.9
25°	402.8	405.6	400.1	303.5	321.4	267.6	273.1	291.1	252.5	307.6	320.0
27.5°	354.5	354.5	339.4	339.4	298.0	321.4	256.6	273.1	300.7	332.5	390.4
30°	434.5	435.9	426.3	326.9	329.7	309.0	298.0	317.3	361.4	431.8	458.0
32.5°	531.1	531.1	456.6	390.4	331.1	372.5	314.5	346.3	409.7	445.6	480.1
35°	591.8	584.9	551.8	438.7	357.3	380.7	355.9	368.3	424.9	477.3	502.1
37.5°	678.7	676.0	642.9	481.4	383.5	405.6	369.7	383.5	452.5	500.8	529.7
40°	798.7	784.9	756.0	555.9	415.2	427.6	386.3	402.8	485.6	531.1	565.6
42.5°	893.9	896.7	876.0	644.2	467.7	459.4	415.2	427.6	521.5	578.0	616.6
45°	982.2	979.5	983.6	750.5	532.5	510.4	466.3	467.7	567.0	636.0	688.4
47.5°	1042.9	1041.5	1051.2	849.8	615.3	575.3	522.8	517.3	619.4	735.3	786.3
50°	1116.0	1111.9	1106.4	956.0	709.1	645.6	597.3	578.0	687.0	847.0	910.5
52.5°	1205.7	1196.0	1178.1	1038.8	812.5	735.3	681.5	655.3	778.0	972.6	1053.9
55°	1291.2	1277.4	1262.3	1131.2	907.7	824.9	767.0	751.8	896.7	1102.2	1207.1
57.5°	1375.4	1368.5	1356.1	1254.0	1029.1	918.8	853.9	851.2	1034.6	1227.8	1371.2
60°	1454.0	1443.0	1459.5	1386.4	1142.2	1018.1	949.1	969.8	1186.4	1353.3	1553.3
62.5°	1502.3	1498.1	1534.0	1507.8	1247.1	1128.4	1058.1	1094.0	1332.6	1476.1	1714.7
65°	1430.6	1441.6	1583.7	1583.7	1368.5	1259.5	1190.5	1212.6	1470.6	1600.2	1862.3
67.5°	1299.5	1314.7	1507.8	1626.4	1477.5	1407.1	1335.4	1347.8	1593.3	1700.9	1982.4
70°	1187.8	1198.8	1378.1	1629.2	1546.4	1578.2	1474.7	1463.7	1688.5	1785.1	2026.5
72.5°	1089.8	1105.0	1252.6	1612.6	1614.0	1772.7	1640.2	1574.0	1775.4	1816.8	1885.8
75°	863.6	856.7	1023.6	1418.1	1636.1	1985.1	1834.7	1696.8	1818.2	1707.8	1478.8
77.5°	424.9	442.8	583.5	913.2	1380.9	2032.0	1941.0	1757.5	1707.8	1430.6	922.9
80°	125.5	129.7	162.8	326.9	793.2	1600.2	1603.0	1454.0	1284.3	836.0	416.6
82.5°	70.4	71.7	93.8	142.1	325.6	1013.9	1055.3	873.2	568.4	309.0	208.3
85°	37.2	38.6	48.3	74.5	165.5	404.2	429.0	333.8	274.5	201.4	153.1
87.5°	17.9	17.9	16.6	24.8	60.7	97.9	109.0	124.2	110.4	103.5	126.9
90°	15.2	15.2	12.4	13.8	33.1	70.4	85.5	95.2	86.9	95.2	139.3
92.5°	16.6	16.6	12.4	13.8	35.9	78.6	93.8	106.2	92.4	102.1	154.5
95°	15.2	16.6	11.0	12.4	35.9	96.6	113.1	115.9	95.2	111.7	165.5
97.5°	12.4	12.4	8.3	9.7	31.7	113.1	124.2	120.0	84.2	85.5	132.4
100°	9.7	9.7	5.5	8.3	22.1	91.0	106.2	100.7	55.2	13.8	33.1
102.5°	8.3	8.3	4.1	6.9	9.7	44.1	56.6	55.2	33.1	8.3	6.9
105°	8.3	8.3	4.1	5.5	5.5	12.4	19.3	24.8	13.8	4.1	6.9
107.5°	8.3	8.3	4.1	2.8	2.8	5.5	6.9	6.9	6.9	4.1	8.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	8.3	8.3	2.8	2.8	1.4	2.8	2.8	2.8	2.8	4.1	8.3
115°	6.9	6.9	1.4	2.8	1.4	1.4	2.8	1.4	2.8	2.8	6.9
117.5°	6.9	5.5	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.1	8.3
120°	6.9	6.9	2.8	1.4	1.4	1.4	1.4	1.4	2.8	5.5	9.7
122.5°	6.9	6.9	2.8	1.4	0.0	1.4	1.4	1.4	2.8	5.5	11.0
125°	8.3	6.9	2.8	1.4	0.0	0.0	1.4	1.4	1.4	5.5	9.7
127.5°	6.9	5.5	2.8	1.4	0.0	0.0	1.4	1.4	1.4	4.1	8.3
130°	6.9	5.5	2.8	0.0	0.0	0.0	1.4	1.4	1.4	4.1	6.9
132.5°	5.5	4.1	2.8	0.0	0.0	0.0	1.4	1.4	1.4	2.8	5.5
135°	4.1	4.1	1.4	0.0	1.4	0.0	1.4	1.4	1.4	1.4	4.1
137.5°	2.8	2.8	1.4	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
140°	1.4	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
142.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4
145°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	4.1	4.1	4.1	2.8	1.4	1.4	1.4	2.8	1.4	1.4	1.4
152.5°	4.1	4.1	4.1	2.8	0.0	0.0	1.4	1.4	2.8	1.4	1.4
155°	2.8	2.8	2.8	0.0	0.0	0.0	1.4	1.4	1.4	2.8	2.8
157.5°	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
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°	380.7	380.7	380.7	380.7	380.7	380.7	380.7	380.7	380.7	380.7	380.7
2.5°	379.4	378.0	376.6	375.2	372.5	369.7	362.8	333.8	333.8	335.2	335.2
5°	372.5	371.1	366.9	340.7	325.6	317.3	320.0	320.0	320.0	321.4	324.2
7.5°	325.6	324.2	304.9	303.5	309.0	315.9	320.0	313.1	299.4	299.4	299.4
10°	284.2	282.8	248.3	241.4	248.3	264.9	307.6	315.9	321.4	322.8	325.6
12.5°	248.3	244.2	213.8	235.9	220.7	248.3	286.9	318.7	289.7	284.2	284.2
15°	275.9	274.5	238.7	206.9	208.3	248.3	227.6	299.4	315.9	318.7	320.0
17.5°	241.4	238.7	219.3	218.0	230.4	200.0	252.5	285.6	271.8	275.9	275.9
20°	288.3	286.9	251.1	208.3	205.5	244.2	223.5	259.3	309.0	318.7	320.0
22.5°	223.5	223.5	230.4	244.2	222.1	233.1	238.7	274.5	264.9	270.4	286.9
25°	317.3	314.5	278.7	219.3	238.7	224.9	249.7	260.7	306.3	317.3	320.0
27.5°	384.9	378.0	299.4	246.9	215.2	241.4	240.0	252.5	259.3	302.1	307.6
30°	453.9	447.0	384.9	277.3	223.5	208.3	229.0	270.4	311.8	318.7	324.2
32.5°	478.7	473.2	393.2	293.8	224.9	222.1	227.6	270.4	342.1	369.7	375.2
35°	504.9	498.0	401.4	286.9	219.3	206.9	215.2	278.7	340.7	358.7	362.8
37.5°	536.6	524.2	411.1	273.1	204.2	195.9	205.5	253.8	324.2	342.1	344.9
40°	576.6	564.2	423.5	258.0	189.0	182.1	187.6	235.9	284.2	299.4	306.3
42.5°	637.3	613.9	429.0	245.6	175.2	168.3	173.8	212.4	249.7	259.3	263.5
45°	716.0	674.6	437.3	229.0	162.8	153.1	161.4	194.5	212.4	212.4	212.4
47.5°	812.5	746.3	441.4	215.2	147.6	139.3	147.6	176.6	186.2	180.7	179.3
50°	931.2	837.4	462.1	198.6	135.2	128.3	142.1	155.9	160.0	162.8	162.8
52.5°	1070.5	942.2	474.6	182.1	126.9	122.8	136.6	146.2	147.6	150.4	150.4
55°	1222.2	1056.7	481.4	166.9	121.4	115.9	131.1	140.7	140.7	143.5	143.5
57.5°	1379.5	1189.1	499.4	155.9	115.9	110.4	125.5	142.1	136.6	142.1	143.5
60°	1545.1	1311.9	484.2	144.8	107.6	106.2	126.9	151.7	150.4	157.3	158.6
62.5°	1700.9	1409.9	416.6	135.2	102.1	107.6	142.1	171.1	166.9	178.0	178.0
65°	1789.2	1443.0	306.3	129.7	97.9	115.9	157.3	190.4	176.6	182.1	179.3
67.5°	1808.5	1409.9	220.7	122.8	96.6	129.7	168.3	194.5	175.2	180.7	180.7
70°	1763.0	1332.6	178.0	117.3	95.2	131.1	171.1	194.5	176.6	189.0	186.2
72.5°	1557.5	1134.0	151.7	111.7	95.2	128.3	175.2	195.9	180.7	201.4	197.3
75°	1174.0	848.4	133.8	106.2	89.7	124.2	178.0	197.3	175.2	197.3	194.5
77.5°	698.0	484.2	118.6	99.3	82.8	120.0	175.2	197.3	171.1	194.5	191.8
80°	295.2	227.6	100.7	86.9	75.9	114.5	172.4	195.9	164.2	189.0	184.9
82.5°	186.2	154.5	85.5	71.7	74.5	113.1	173.8	193.1	161.4	190.4	176.6
85°	150.4	126.9	73.1	60.7	69.0	115.9	166.9	175.2	139.3	164.2	160.0
87.5°	126.9	106.2	33.1	26.2	51.0	89.7	126.9	131.1	100.7	128.3	122.8
90°	139.3	115.9	31.7	22.1	45.5	78.6	117.3	114.5	96.6	122.8	121.4
92.5°	151.7	122.8	30.3	23.5	51.0	85.5	128.3	115.9	102.1	124.2	122.8
95°	157.3	125.5	29.0	24.8	60.7	93.8	136.6	113.1	107.6	114.5	113.1
97.5°	118.6	91.0	27.6	26.2	63.5	106.2	128.3	95.2	70.4	70.4	69.0
100°	30.3	30.3	24.8	24.8	42.8	77.3	97.9	70.4	40.0	30.3	31.7
102.5°	8.3	9.7	22.1	23.5	23.5	34.5	55.2	45.5	26.2	4.1	4.1
105°	8.3	8.3	15.2	17.9	12.4	11.0	22.1	24.8	19.3	2.8	4.1
107.5°	8.3	8.3	6.9	9.7	4.1	5.5	5.5	6.9	6.9	2.8	2.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.7	8.3	4.1	2.8	2.8	2.8	2.8	2.8	2.8	6.9	6.9
115°	8.3	6.9	4.1	2.8	2.8	2.8	2.8	1.4	2.8	8.3	8.3
117.5°	9.7	8.3	4.1	2.8	1.4	2.8	2.8	1.4	2.8	9.7	9.7
120°	11.0	9.7	4.1	2.8	1.4	1.4	1.4	1.4	4.1	9.7	9.7
122.5°	11.0	11.0	5.5	1.4	1.4	1.4	1.4	1.4	4.1	9.7	9.7
125°	11.0	9.7	4.1	1.4	1.4	1.4	0.0	1.4	4.1	9.7	11.0
127.5°	8.3	8.3	4.1	1.4	1.4	1.4	0.0	1.4	4.1	8.3	9.7
130°	6.9	6.9	2.8	1.4	1.4	1.4	0.0	1.4	4.1	8.3	8.3
132.5°	5.5	5.5	2.8	1.4	1.4	0.0	0.0	0.0	4.1	6.9	6.9
135°	4.1	4.1	1.4	1.4	1.4	0.0	0.0	0.0	2.8	5.5	5.5
137.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	2.8	2.8
140°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
145°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	1.4
147.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
150°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	1.4	2.8	1.4	2.8
152.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	1.4	2.8	2.8	2.8
155°	2.8	2.8	2.8	1.4	1.4	0.0	0.0	0.0	1.4	2.8	2.8
157.5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.4	1.4	1.4	1.4	0.0	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° | 9.7 9.7 2.8 2.8 2.8 2.8 2.8 2.8 2.8 4.1 8.3

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110°	9.7	8.3	4.1	4.1	2.8	2.8	2.8	2.8	2.8	5.5	5.5
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