

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: P560358

Luminaire Tested: **SDL-PA1-40-730-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560358
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
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-T2R-A
Description: Springdale
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3701.9 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G1

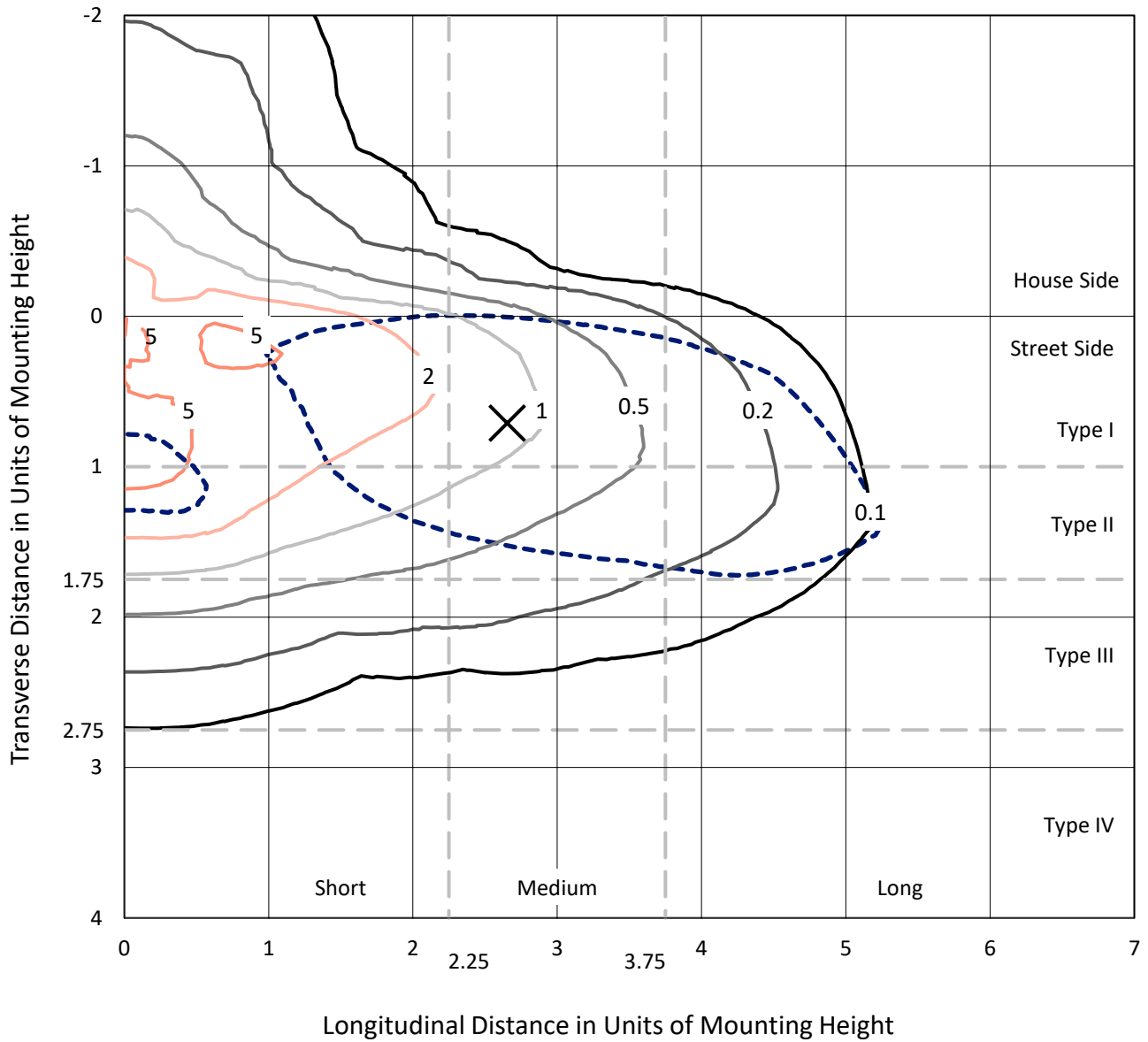
Input Watts (W): 39.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

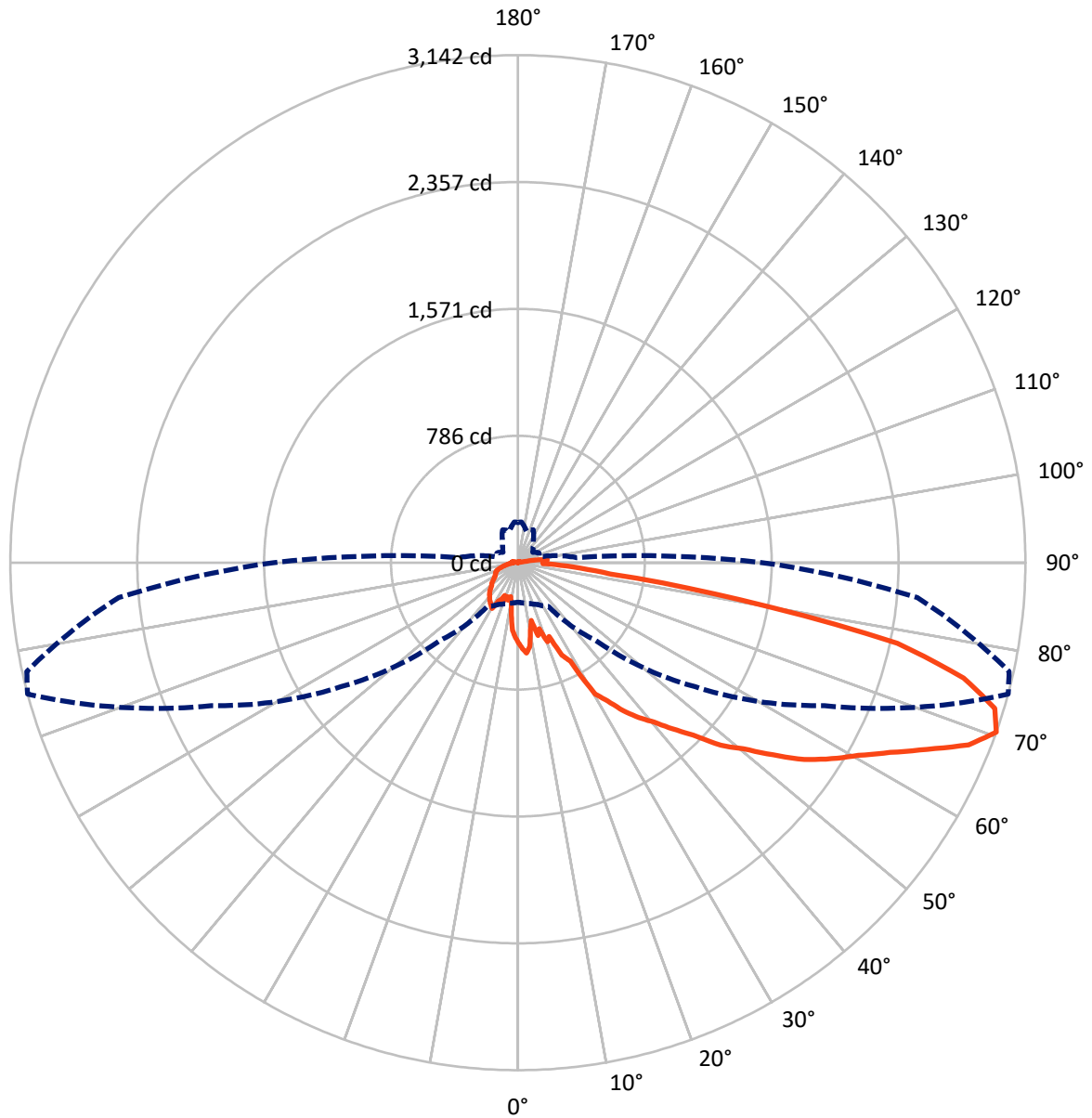
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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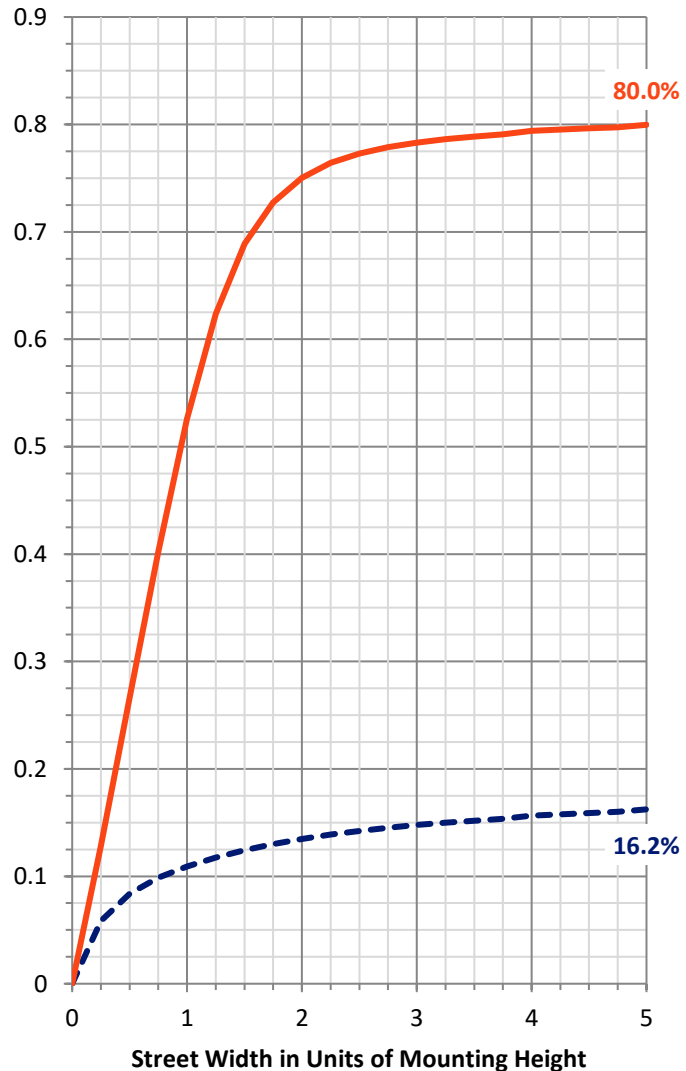
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	632.9	37.8	670.7
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	2983.4	47.9	3031.3
	% Fixture	80.6	1.3	81.9
Total	Lumens	3616.3	85.7	3701.9
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.3	1.1
10°-20°	108.0	2.9
20°-30°	194.9	5.3
30°-40°	398.3	10.8
40°-50°	625.5	16.9
50°-60°	768.1	20.7
60°-70°	764.0	20.6
70°-80°	565.1	15.3
80°-90°	151.0	4.1
90°-100°	55.8	1.5
100°-110°	13.0	0.4
110°-120°	6.2	0.2
120°-130°	5.5	0.1
130°-140°	2.7	0.1
140°-150°	1.3	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3616.3	97.7
0°-180°	3701.9	100.0

Coefficient of Utilization



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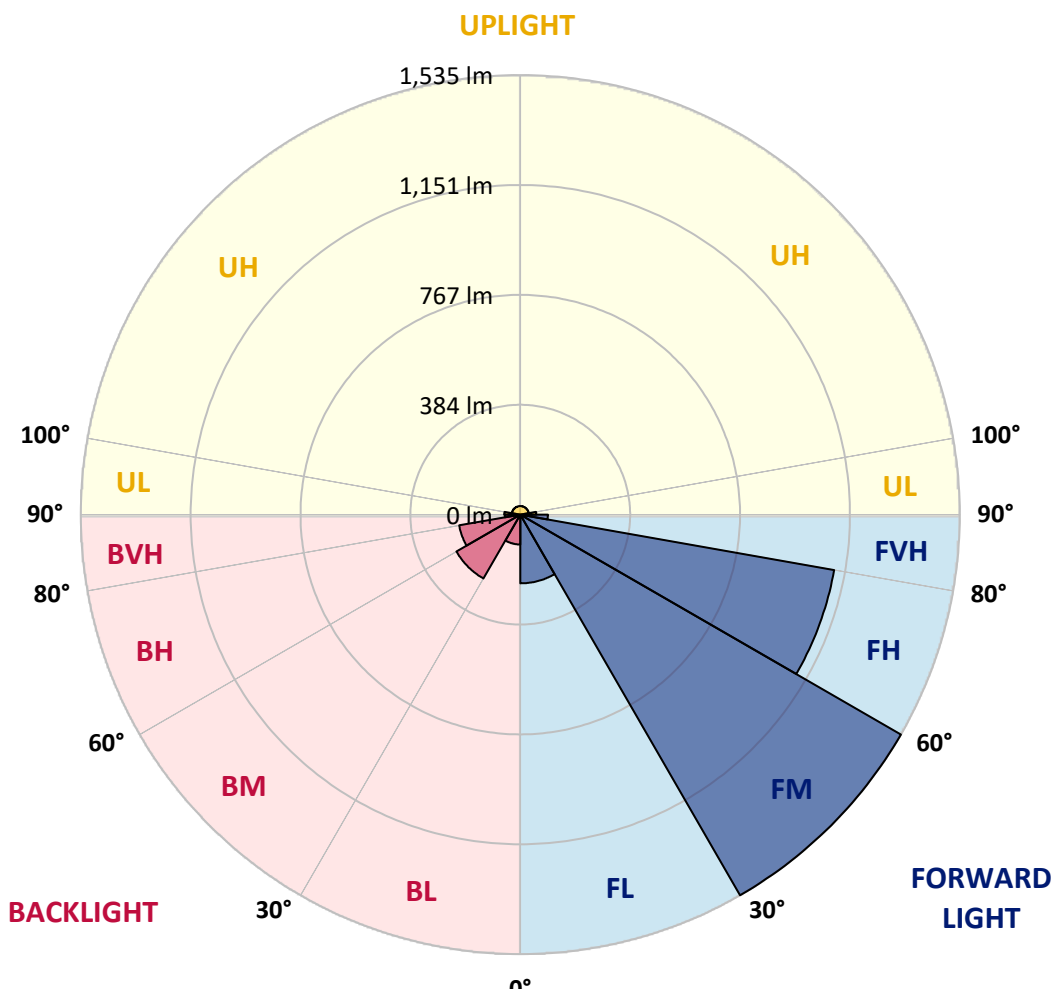
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.9	6.5			
FM (30°-60°)	1534.5	41.5			
FH (60°-80°)	1112.5	30.1			G1/1800
FVH (80°-90°)	96.4	2.6			G1/100
BL (0°-30°)	104.3	2.8	B0/110		
BM (30°-60°)	257.5	7.0	B1/1000		
BH (60°-80°)	216.5	5.8	B1/500		G1/500
BVH (80°-90°)	54.6	1.5			G1/100
UL (90°-100°)	55.8	1.5		U3/500	
UH (100°-180°)	29.8	0.8		U2/50	

BUG Rating: B1-U3-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2
2.5°	515.0	544.0	557.0	571.4	584.5	577.2	565.7	548.3	532.4	526.6	509.2
5°	568.5	565.7	564.2	559.9	552.6	539.6	523.7	585.9	561.3	551.2	522.3
7.5°	500.6	580.1	588.8	597.5	594.6	578.7	558.4	502.0	523.7	510.7	474.5
10°	611.9	611.9	609.1	611.9	578.7	552.6	473.1	439.8	423.9	458.6	425.3
12.5°	520.8	567.1	625.0	636.5	585.9	513.6	480.3	464.4	366.0	361.7	387.7
15°	606.2	613.4	614.8	617.7	499.1	538.2	444.1	412.3	467.3	454.3	458.6
17.5°	487.5	494.8	588.8	583.0	536.7	429.7	519.4	465.8	429.7	413.8	408.0
20°	613.4	614.8	610.5	493.3	517.9	561.3	486.1	471.6	523.7	522.3	500.6
22.5°	522.3	523.7	539.6	594.6	535.3	567.1	489.0	588.8	496.2	497.7	386.3
25°	698.7	700.2	685.7	529.5	601.8	532.4	593.1	529.5	633.6	613.4	565.7
27.5°	733.5	679.9	625.0	656.8	574.3	661.1	564.2	640.9	688.6	684.3	691.5
30°	930.2	933.1	895.5	719.0	672.7	652.5	651.0	761.0	943.2	950.5	830.4
32.5°	1260.1	1242.7	1057.5	886.8	724.8	795.7	730.6	881.0	1019.9	1015.6	889.7
35°	1410.5	1393.2	1323.7	1095.1	837.6	859.3	824.6	937.4	1125.5	1092.2	949.0
37.5°	1537.8	1534.9	1477.1	1206.5	951.9	983.7	881.0	1006.9	1216.7	1181.9	1009.8
40°	1647.8	1637.6	1587.0	1306.4	1069.1	1070.5	951.9	1090.8	1297.7	1306.4	1069.1
42.5°	1738.9	1730.2	1688.3	1406.2	1138.5	1147.2	1027.1	1176.1	1406.2	1422.1	1161.7
45°	1776.5	1780.9	1751.9	1495.9	1200.7	1216.7	1116.8	1263.0	1521.9	1534.9	1244.1
47.5°	1804.0	1805.5	1798.2	1569.6	1267.3	1274.5	1205.1	1341.1	1689.7	1663.7	1341.1
50°	1741.8	1736.0	1743.2	1626.1	1325.2	1333.8	1278.9	1422.1	1809.8	1776.5	1442.3
52.5°	1578.3	1585.6	1660.8	1597.1	1344.0	1361.3	1348.3	1493.0	1976.2	1950.1	1587.0
55°	1167.5	1199.3	1416.3	1478.5	1342.5	1372.9	1412.0	1627.5	2151.2	2112.2	1710.0
57.5°	944.7	944.7	1072.0	1276.0	1268.7	1365.7	1477.1	1718.7	2290.1	2262.6	1832.9
60°	758.1	758.1	827.5	1012.7	1125.5	1329.5	1543.6	1853.2	2421.7	2405.8	1941.4
62.5°	594.6	593.1	651.0	755.2	923.0	1249.9	1578.3	1968.9	2586.7	2583.8	2115.0
65°	429.7	435.5	484.6	549.7	724.8	1100.9	1576.9	2073.1	2784.9	2793.5	2310.3
67.5°	318.3	321.2	348.6	396.4	497.7	912.9	1507.4	2145.4	3009.1	2994.6	2434.8
70°	244.5	248.8	260.4	285.0	331.3	678.5	1339.6	2094.8	3142.2	3114.7	2481.1
72.5°	205.4	206.9	205.4	218.4	221.3	460.0	1073.4	1902.4	3087.2	3043.8	2353.7
75°	175.0	173.6	172.2	175.0	163.5	303.8	769.6	1610.2	2850.0	2774.7	2078.9
77.5°	150.5	149.0	143.2	144.7	130.2	224.2	525.1	1263.0	2401.5	2225.0	1562.4
80°	124.4	124.4	120.1	120.1	109.9	170.7	335.6	870.9	1398.9	1258.6	813.0
82.5°	96.9	95.5	95.5	98.4	94.0	133.1	219.9	434.0	577.2	541.1	380.5
85°	52.1	52.1	59.3	66.5	65.1	81.0	167.8	256.1	341.4	329.8	212.7
87.5°	15.9	15.9	17.4	21.7	23.1	43.4	105.6	124.4	154.8	170.7	167.8
90°	17.4	15.9	11.6	13.0	14.5	31.8	98.4	120.1	156.2	173.6	177.9
92.5°	20.3	18.8	11.6	11.6	14.5	26.0	94.0	117.2	170.7	188.1	192.4
95°	21.7	20.3	11.6	11.6	14.5	23.1	83.9	115.7	182.3	205.4	205.4
97.5°	20.3	18.8	8.7	10.1	13.0	20.3	65.1	95.5	127.3	140.3	162.0
100°	17.4	17.4	5.8	8.7	11.6	14.5	37.6	52.1	37.6	36.2	36.2
102.5°	15.9	15.9	5.8	7.2	8.7	10.1	17.4	27.5	8.7	10.1	13.0
105°	15.9	17.4	4.3	5.8	5.8	5.8	8.7	14.5	7.2	8.7	13.0
107.5°	15.9	17.4	4.3	4.3	5.8	4.3	4.3	5.8	7.2	8.7	14.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	10.1	10.1	2.9	4.3	4.3	4.3	2.9	4.3	7.2	10.1	14.5
115°	7.2	5.8	2.9	4.3	2.9	4.3	2.9	4.3	7.2	10.1	13.0
117.5°	5.8	4.3	2.9	2.9	2.9	2.9	1.4	4.3	8.7	11.6	15.9
120°	5.8	5.8	2.9	2.9	2.9	2.9	1.4	4.3	13.0	14.5	20.3
122.5°	5.8	5.8	2.9	2.9	2.9	2.9	1.4	2.9	11.6	15.9	21.7
125°	5.8	5.8	2.9	2.9	2.9	2.9	1.4	2.9	10.1	14.5	18.8
127.5°	5.8	5.8	2.9	1.4	2.9	2.9	2.9	2.9	8.7	11.6	15.9
130°	5.8	5.8	2.9	1.4	2.9	2.9	2.9	2.9	7.2	8.7	13.0
132.5°	4.3	4.3	2.9	1.4	2.9	1.4	1.4	2.9	5.8	7.2	10.1
135°	2.9	2.9	2.9	1.4	2.9	1.4	1.4	1.4	2.9	4.3	7.2
137.5°	1.4	2.9	1.4	1.4	2.9	1.4	1.4	1.4	1.4	1.4	2.9
140°	1.4	1.4	1.4	1.4	2.9	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	2.9	2.9	1.4	1.4	1.4	1.4	1.4
145°	1.4	1.4	1.4	1.4	4.3	2.9	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	5.8	4.3	2.9	1.4	1.4	1.4	1.4	1.4
150°	7.2	7.2	7.2	5.8	4.3	2.9	4.3	1.4	1.4	1.4	1.4
152.5°	7.2	7.2	8.7	4.3	2.9	1.4	1.4	5.8	4.3	2.9	2.9
155°	5.8	4.3	4.3	1.4	1.4	1.4	1.4	1.4	4.3	5.8	5.8
157.5°	1.4	1.4	2.9	1.4	1.4	1.4	1.4	1.4	2.9	1.4	1.4
160°	0.0	0.0	0.0	1.4	1.4	1.4	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°	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2
2.5°	499.1	487.5	460.0	439.8	415.2	393.5	374.7	332.7	325.5	321.2	319.7
5°	499.1	474.5	421.0	355.9	305.2	293.7	287.9	287.9	285.0	286.4	287.9
7.5°	442.7	409.4	328.4	277.8	286.4	286.4	287.9	280.7	257.5	260.4	256.1
10°	387.7	345.8	247.4	225.7	247.4	248.8	282.1	295.1	299.5	300.9	300.9
12.5°	357.3	298.0	214.1	221.3	199.6	228.6	269.1	300.9	273.4	259.0	259.0
15°	410.9	353.0	240.1	193.9	196.7	228.6	204.0	285.0	295.1	298.0	298.0
17.5°	368.9	311.0	219.9	199.6	219.9	188.1	230.0	261.8	250.3	237.3	235.8
20°	442.7	367.5	245.9	195.3	193.9	222.8	204.0	214.1	267.6	269.1	267.6
22.5°	344.3	293.7	218.4	221.3	193.9	212.7	201.1	221.3	211.2	209.8	211.2
25°	477.4	380.5	251.7	191.0	202.5	188.1	202.5	186.6	224.2	227.1	228.6
27.5°	584.5	454.3	267.6	206.9	176.5	192.4	180.8	186.6	173.6	180.8	183.7
30°	695.9	529.5	326.9	228.6	186.6	164.9	167.8	166.4	188.1	186.6	183.7
32.5°	732.0	539.6	312.5	238.7	185.2	166.4	153.3	163.5	179.4	192.4	193.9
35°	768.2	546.8	300.9	228.6	180.8	156.2	150.5	167.8	180.8	182.3	186.6
37.5°	810.1	552.6	289.3	214.1	167.8	153.3	149.0	156.2	185.2	182.3	177.9
40°	849.2	555.5	274.9	201.1	153.3	150.5	138.9	156.2	163.5	169.3	172.2
42.5°	918.6	572.9	263.3	189.5	143.2	143.2	133.1	146.1	167.8	170.7	169.3
45°	969.3	567.1	247.4	179.4	133.1	127.3	130.2	159.1	169.3	186.6	183.7
47.5°	1041.6	581.6	228.6	163.5	124.4	117.2	123.0	154.8	173.6	186.6	189.5
50°	1112.5	578.7	212.7	150.5	118.6	111.4	136.0	150.5	170.7	192.4	192.4
52.5°	1205.1	583.0	205.4	138.9	111.4	111.4	140.3	151.9	175.0	189.5	189.5
55°	1287.5	567.1	188.1	134.5	109.9	107.1	141.8	157.7	176.5	189.5	191.0
57.5°	1348.3	535.3	175.0	130.2	108.5	109.9	141.8	170.7	164.9	189.5	193.9
60°	1414.9	500.6	163.5	130.2	108.5	114.3	146.1	180.8	180.8	198.2	198.2
62.5°	1506.0	478.9	157.7	131.6	105.6	118.6	159.1	196.7	182.3	209.8	211.2
65°	1582.7	449.9	153.3	137.4	107.1	124.4	166.4	209.8	191.0	222.8	221.3
67.5°	1584.1	406.5	147.6	143.2	108.5	128.8	166.4	218.4	201.1	234.4	230.0
70°	1514.7	363.1	138.9	143.2	112.8	133.1	166.4	224.2	202.5	253.2	248.8
72.5°	1365.7	296.6	125.9	137.4	120.1	138.9	175.0	222.8	202.5	273.4	269.1
75°	1161.7	237.3	108.5	125.9	120.1	146.1	180.8	221.3	195.3	260.4	251.7
77.5°	883.9	193.9	91.1	109.9	114.3	149.0	180.8	218.4	189.5	243.0	237.3
80°	455.7	136.0	73.8	94.0	107.1	146.1	179.4	206.9	169.3	215.6	212.7
82.5°	250.3	99.8	59.3	69.4	89.7	137.4	173.6	186.6	149.0	176.5	169.3
85°	162.0	72.3	47.7	56.4	75.2	114.3	146.1	147.6	105.6	127.3	120.1
87.5°	121.5	42.0	30.4	34.7	52.1	63.7	92.6	95.5	66.5	78.1	73.8
90°	127.3	42.0	31.8	36.2	46.3	47.7	68.0	72.3	52.1	59.3	59.3
92.5°	136.0	42.0	33.3	37.6	42.0	37.6	53.5	59.3	43.4	47.7	46.3
95°	138.9	40.5	36.2	39.1	37.6	30.4	43.4	47.7	36.2	36.2	36.2
97.5°	101.3	28.9	36.2	39.1	34.7	24.6	33.3	37.6	23.1	18.8	18.8
100°	27.5	14.5	34.7	37.6	30.4	20.3	28.9	28.9	14.5	10.1	10.1
102.5°	11.6	11.6	30.4	33.3	23.1	13.0	20.3	20.3	10.1	4.3	4.3
105°	11.6	8.7	21.7	24.6	15.9	7.2	10.1	11.6	7.2	4.3	4.3
107.5°	11.6	8.7	10.1	13.0	7.2	5.8	5.8	5.8	4.3	4.3	4.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.5	10.1	5.8	7.2	5.8	4.3	4.3	4.3	5.8	13.0	13.0
115°	13.0	8.7	5.8	5.8	4.3	4.3	2.9	2.9	5.8	15.9	15.9
117.5°	14.5	10.1	5.8	5.8	4.3	2.9	2.9	2.9	7.2	18.8	18.8
120°	17.4	11.6	5.8	4.3	2.9	2.9	2.9	2.9	8.7	20.3	20.3
122.5°	18.8	13.0	5.8	4.3	2.9	1.4	2.9	4.3	10.1	20.3	20.3
125°	15.9	11.6	5.8	4.3	2.9	1.4	2.9	4.3	10.1	18.8	20.3
127.5°	14.5	10.1	5.8	2.9	2.9	1.4	1.4	4.3	8.7	14.5	17.4
130°	11.6	8.7	4.3	2.9	2.9	1.4	1.4	2.9	8.7	13.0	15.9
132.5°	10.1	7.2	4.3	2.9	2.9	1.4	1.4	2.9	8.7	11.6	11.6
135°	7.2	5.8	2.9	2.9	2.9	1.4	2.9	1.4	5.8	10.1	10.1
137.5°	4.3	2.9	2.9	2.9	2.9	1.4	1.4	1.4	4.3	5.8	5.8
140°	1.4	1.4	2.9	2.9	2.9	1.4	1.4	1.4	2.9	2.9	2.9
142.5°	1.4	1.4	2.9	2.9	2.9	1.4	1.4	1.4	2.9	2.9	2.9
145°	1.4	1.4	1.4	2.9	2.9	1.4	1.4	1.4	1.4	1.4	2.9
147.5°	1.4	1.4	1.4	2.9	1.4	1.4	1.4	1.4	1.4	1.4	2.9
150°	1.4	1.4	1.4	2.9	2.9	1.4	1.4	2.9	2.9	2.9	2.9
152.5°	1.4	1.4	2.9	2.9	1.4	1.4	1.4	2.9	2.9	2.9	2.9
155°	4.3	4.3	2.9	2.9	1.4	1.4	0.0	1.4	2.9	2.9	2.9
157.5°	1.4	1.4	2.9	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
160°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	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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110° | 14.5 14.5 2.9 4.3 4.3 4.3 2.9 4.3 7.2 10.1 14.5

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110°	13.0	8.7	5.8	7.2	5.8	4.3	4.3	4.3	4.3	5.8	7.2
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