

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: P560718

Luminaire Tested: **SDL-PA1-60-730-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-730-U-T3-A
Description: Springdale
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6391.2 lumens
Efficiency: N/A
Efficacy: 102.4 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: B2 - U3 - G3

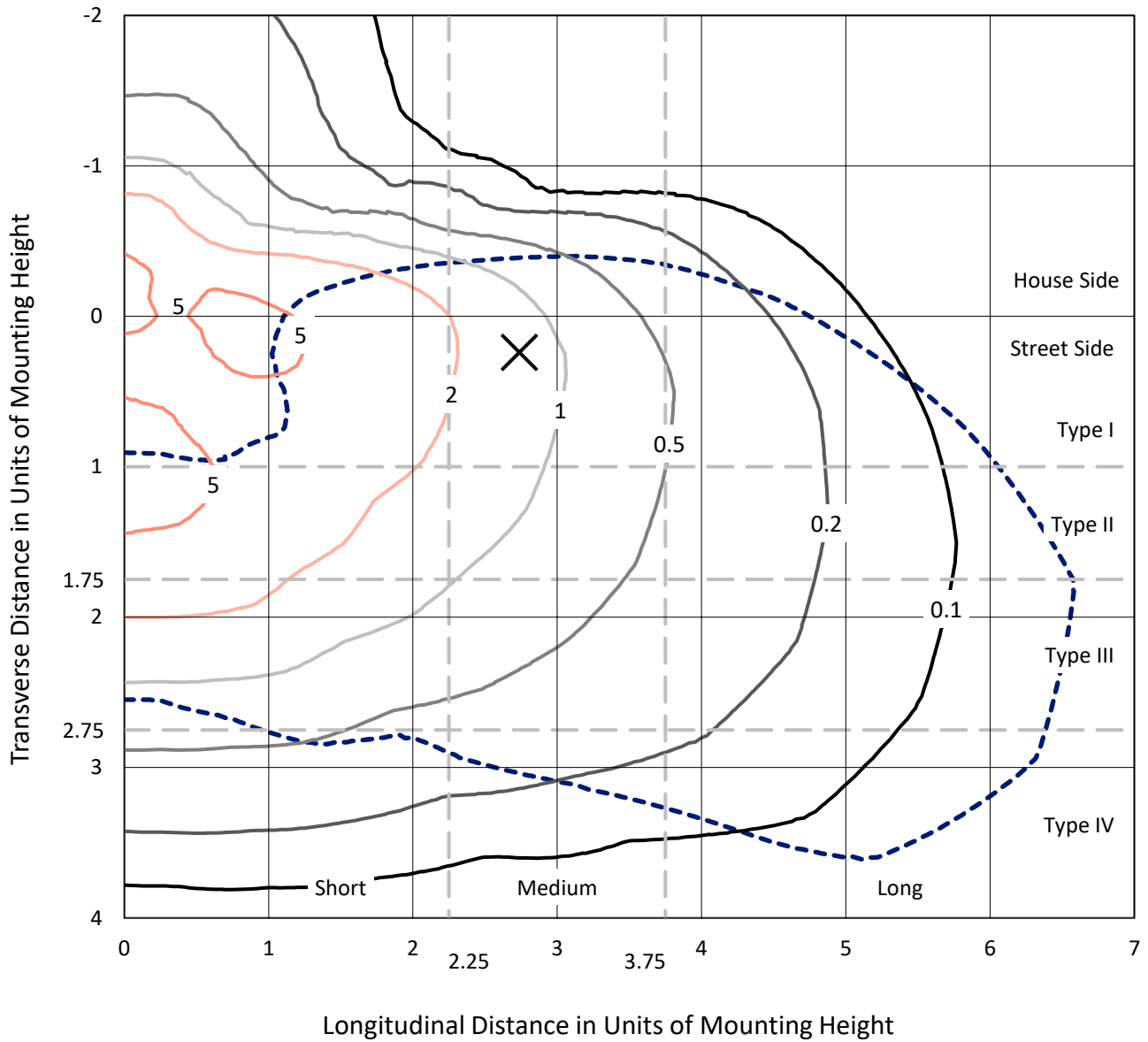
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

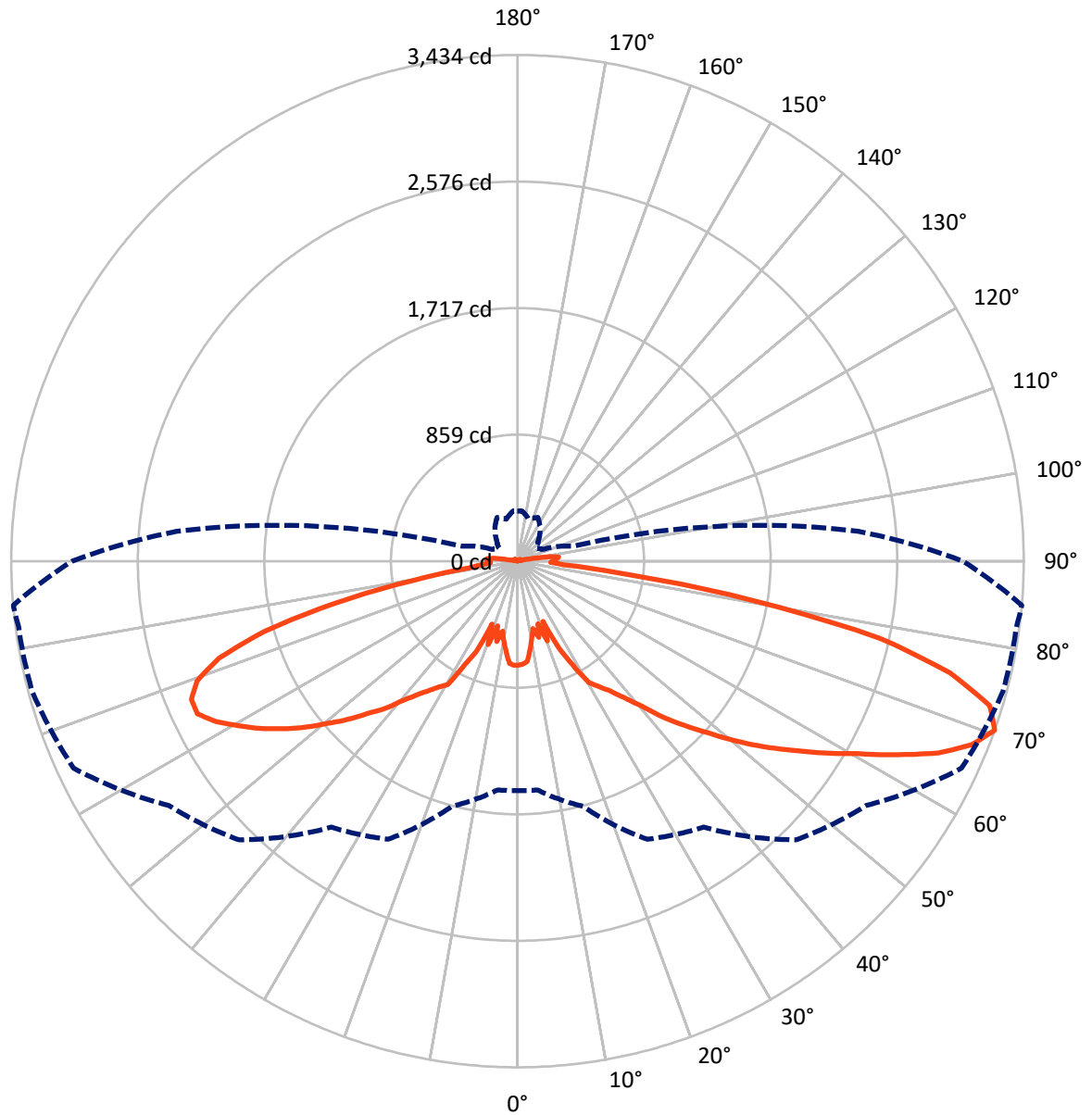
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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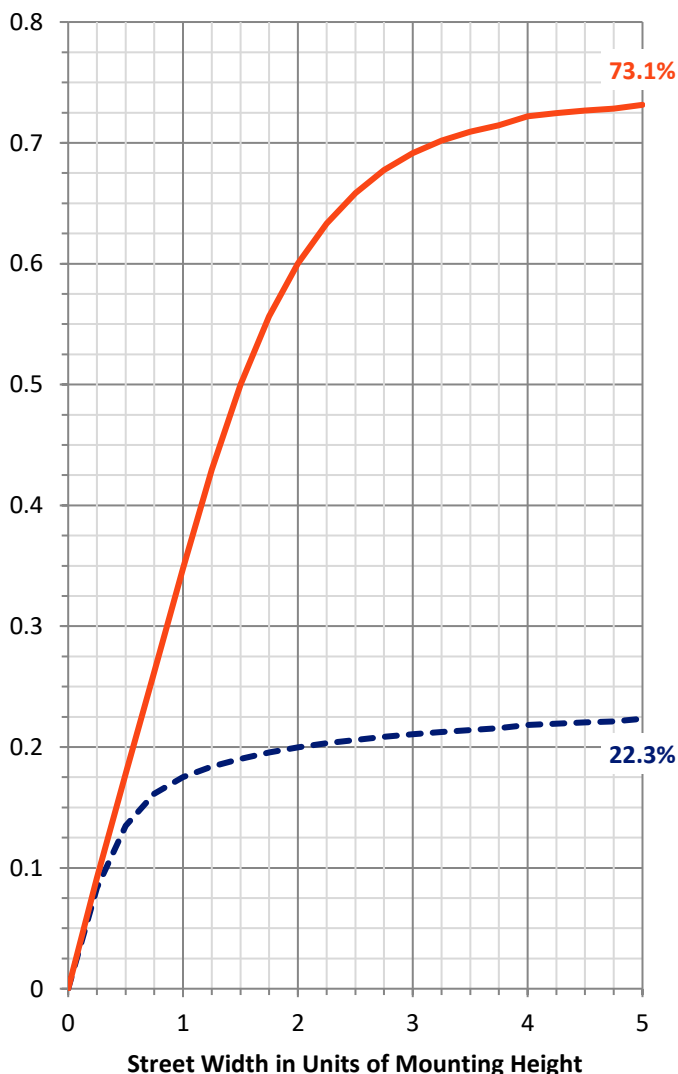
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1502.6	96.8	1599.4
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	4710.0	81.8	4791.8
	% Fixture	73.7	1.3	75.0
Total	Lumens	6212.6	178.6	6391.2
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	0.9
10°-20°	141.0	2.2
20°-30°	256.9	4.0
30°-40°	485.6	7.6
40°-50°	811.5	12.7
50°-60°	1266.5	19.8
60°-70°	1570.7	24.6
70°-80°	1283.2	20.1
80°-90°	339.7	5.3
90°-100°	128.9	2.0
100°-110°	27.5	0.4
110°-120°	8.9	0.1
120°-130°	6.9	0.1
130°-140°	3.3	0.1
140°-150°	1.6	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6212.6	97.2
0°-180°	6391.2	100.0

Coefficient of Utilization



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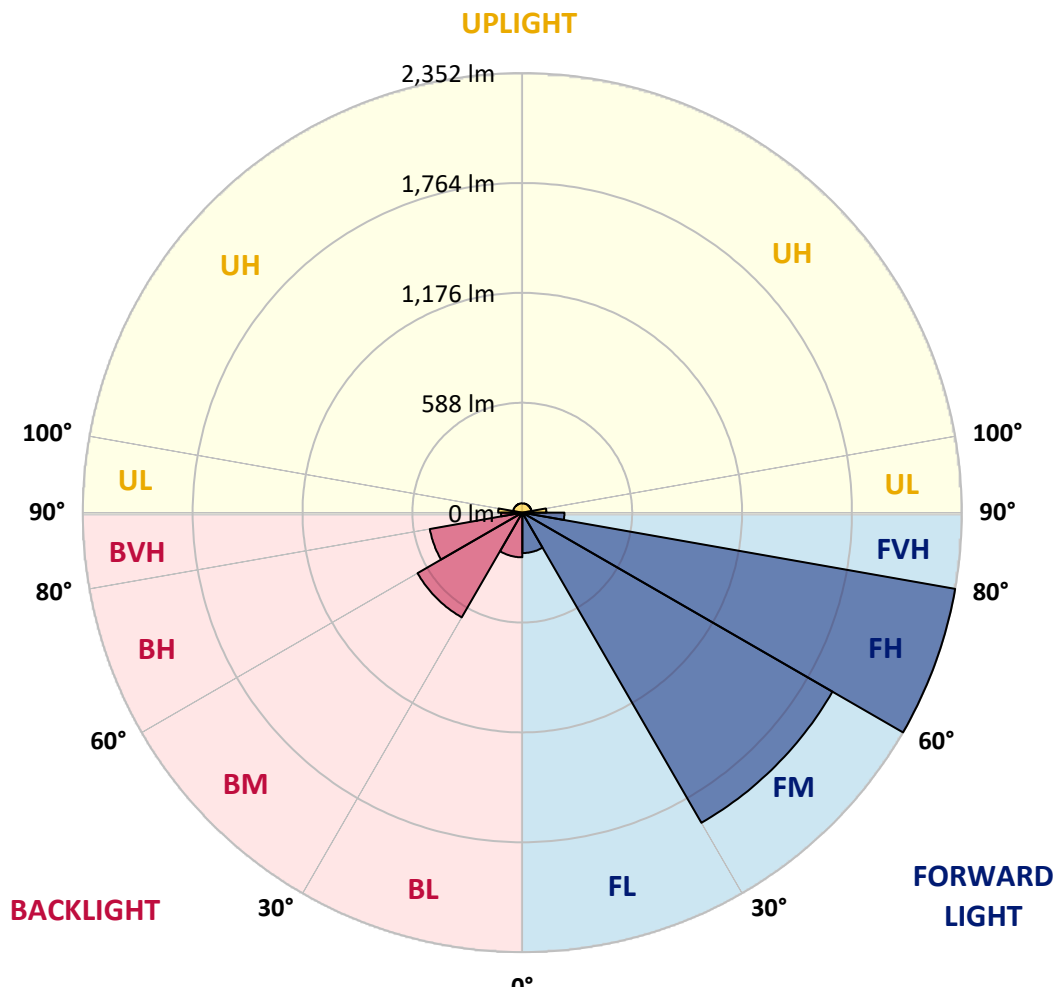
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.5	3.4			
FM (30°-60°)	1916.4	30.0			
FH (60°-80°)	2351.8	36.8			G2/5000
FVH (80°-90°)	225.3	3.5			G3/500
BL (0°-30°)	239.0	3.7	B1/500		
BM (30°-60°)	647.2	10.1	B1/1000		
BH (60°-80°)	502.1	7.9	B2/1000		G2/1000
BVH (80°-90°)	114.3	1.8			G2/225
UL (90°-100°)	128.9	2.0		U3/500	
UH (100°-180°)	49.7	0.8		U2/50	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1
2.5°	584.7	641.7	631.8	649.1	659.1	673.9	683.8	688.8	693.7	698.7	698.7
5°	542.6	545.1	547.6	550.0	555.0	562.4	569.9	649.1	673.9	683.8	683.8
7.5°	495.5	493.0	503.0	515.3	532.7	542.6	550.0	552.5	579.8	602.1	607.0
10°	493.0	495.5	495.5	500.5	470.8	468.3	433.6	436.1	473.2	530.2	532.7
12.5°	428.6	441.0	468.3	488.1	458.4	411.3	403.9	423.7	396.4	465.8	468.3
15°	478.2	475.7	475.7	455.9	386.5	406.3	361.7	376.6	460.8	525.3	537.6
17.5°	416.2	411.3	460.8	446.0	401.4	339.4	406.3	401.4	416.2	453.4	446.0
20°	522.8	517.8	507.9	386.5	406.3	426.2	413.8	386.5	488.1	545.1	577.3
22.5°	488.1	493.0	517.8	490.6	418.7	438.5	391.5	475.7	460.8	438.5	443.5
25°	666.5	661.5	636.8	480.7	500.5	408.8	478.2	423.7	584.7	649.1	654.1
27.5°	614.5	607.0	589.7	604.5	507.9	535.2	465.8	555.0	646.7	760.6	795.3
30°	815.1	807.7	787.9	609.5	604.5	530.2	564.9	681.3	872.1	958.8	956.4
32.5°	1050.5	996.0	874.6	780.5	646.7	688.8	646.7	802.8	929.1	1013.4	1013.4
35°	1194.2	1184.3	1119.9	906.8	753.2	750.7	743.3	884.5	1025.7	1085.2	1080.2
37.5°	1315.6	1333.0	1285.9	1050.5	849.8	869.6	832.5	996.0	1144.7	1179.4	1174.4
40°	1484.1	1479.1	1454.4	1174.4	968.8	966.3	939.0	1129.8	1276.0	1300.8	1288.4
42.5°	1734.3	1707.1	1632.8	1340.4	1095.1	1095.1	1045.6	1256.2	1437.0	1439.5	1446.9
45°	2041.6	2029.2	1897.9	1598.1	1258.6	1256.2	1174.4	1390.0	1600.6	1612.9	1590.6
47.5°	2254.6	2217.5	2153.1	1833.4	1511.4	1454.4	1330.5	1521.3	1796.3	1786.4	1741.8
50°	2465.2	2435.5	2376.0	2091.1	1774.0	1660.0	1476.7	1657.5	1984.6	1957.3	1915.2
52.5°	2646.1	2606.5	2542.1	2301.7	2004.4	1915.2	1645.1	1781.4	2175.4	2130.8	2091.1
55°	2750.2	2668.4	2673.4	2490.0	2177.8	2106.0	1833.4	1982.1	2361.2	2296.8	2264.6
57.5°	2621.3	2616.4	2698.1	2606.5	2336.4	2264.6	2034.1	2182.8	2554.4	2470.2	2455.3
60°	2492.5	2507.4	2623.8	2641.2	2460.3	2408.3	2207.6	2467.7	2742.7	2651.1	2651.1
62.5°	2314.1	2356.2	2519.8	2653.5	2472.7	2549.5	2388.4	2710.5	2948.4	2864.1	2891.4
65°	2110.9	2110.9	2299.2	2552.0	2433.0	2643.6	2589.1	2975.6	3129.2	3079.7	3136.7
67.5°	1833.4	1838.4	2034.1	2353.8	2361.2	2690.7	2750.2	3183.8	3317.5	3280.4	3322.5
70°	1556.0	1558.4	1722.0	2081.2	2202.6	2673.4	2888.9	3322.5	3409.2	3414.2	3434.0
72.5°	1164.5	1206.6	1360.2	1689.7	1927.6	2601.5	2960.8	3362.1	3406.7	3414.2	3349.8
75°	626.8	646.7	817.6	1100.1	1432.1	2306.7	2938.5	3320.0	3287.8	3201.1	3032.6
77.5°	218.0	227.9	287.4	480.7	812.7	1632.8	2725.4	3136.7	3032.6	2760.1	2512.3
80°	141.2	141.2	156.1	230.4	369.2	773.0	2115.9	2688.2	2442.9	1860.7	1630.3
82.5°	99.1	101.6	114.0	153.6	237.9	332.0	1100.1	1365.2	1345.4	926.6	780.5
85°	71.9	74.3	79.3	89.2	163.5	205.6	428.6	656.6	607.0	332.0	312.2
87.5°	32.2	37.2	32.2	39.6	64.4	126.4	205.6	203.2	193.3	220.5	225.5
90°	24.8	24.8	19.8	22.3	44.6	114.0	190.8	183.3	195.7	240.3	237.9
92.5°	24.8	24.8	19.8	22.3	42.1	114.0	200.7	178.4	203.2	257.7	260.2
95°	24.8	27.3	19.8	19.8	34.7	116.4	213.1	190.8	215.6	280.0	280.0
97.5°	22.3	22.3	14.9	17.3	27.3	106.5	213.1	163.5	158.6	225.5	223.0
100°	17.3	19.8	9.9	14.9	19.8	64.4	158.6	101.6	44.6	52.0	79.3
102.5°	17.3	17.3	9.9	12.4	14.9	27.3	84.2	59.5	12.4	17.3	17.3
105°	17.3	19.8	9.9	9.9	9.9	12.4	39.6	29.7	9.9	14.9	17.3
107.5°	19.8	19.8	7.4	7.4	7.4	7.4	14.9	12.4	9.9	17.3	19.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	17.3	17.3	7.4	7.4	5.0	5.0	5.0	7.4	9.9	14.9	17.3
115°	12.4	12.4	5.0	7.4	5.0	5.0	5.0	7.4	7.4	12.4	14.9
117.5°	12.4	9.9	5.0	5.0	2.5	5.0	5.0	7.4	9.9	17.3	17.3
120°	12.4	12.4	5.0	2.5	2.5	2.5	2.5	5.0	12.4	19.8	22.3
122.5°	12.4	12.4	5.0	2.5	2.5	2.5	2.5	5.0	12.4	19.8	22.3
125°	14.9	12.4	7.4	2.5	2.5	2.5	2.5	2.5	9.9	17.3	19.8
127.5°	12.4	12.4	7.4	2.5	2.5	2.5	2.5	2.5	7.4	14.9	17.3
130°	12.4	12.4	7.4	2.5	2.5	2.5	2.5	2.5	7.4	12.4	12.4
132.5°	9.9	9.9	7.4	2.5	2.5	2.5	2.5	2.5	5.0	9.9	9.9
135°	9.9	9.9	5.0	2.5	2.5	2.5	2.5	2.5	2.5	7.4	7.4
137.5°	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
140°	0.0	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5
150°	7.4	7.4	7.4	5.0	5.0	2.5	5.0	2.5	2.5	2.5	2.5
152.5°	7.4	7.4	9.9	5.0	2.5	2.5	2.5	5.0	2.5	2.5	2.5
155°	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5	5.0	5.0	7.4
157.5°	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
160°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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°	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.1
2.5°	701.2	706.1	708.6	716.0	716.0	716.0	698.7	656.6	656.6	659.1	661.5
5°	691.3	696.2	706.1	671.4	636.8	634.3	646.7	654.1	656.6	659.1	654.1
7.5°	612.0	621.9	616.9	619.4	636.8	654.1	669.0	659.1	634.3	616.9	621.9
10°	545.1	555.0	500.5	505.4	525.3	574.8	656.6	683.8	701.2	708.6	708.6
12.5°	478.2	485.6	438.5	507.9	473.2	550.0	639.2	706.1	639.2	612.0	612.0
15°	547.6	562.4	505.4	450.9	460.8	557.5	490.6	673.9	693.7	698.7	703.6
17.5°	468.3	458.4	468.3	475.7	517.8	433.6	562.4	634.3	594.6	579.8	587.2
20°	589.7	599.6	547.6	468.3	473.2	552.5	500.5	567.4	676.4	678.9	683.8
22.5°	448.5	460.8	490.6	557.5	488.1	535.2	527.7	589.7	552.5	555.0	574.8
25°	659.1	669.0	616.9	498.0	532.7	483.1	532.7	525.3	619.4	624.4	624.4
27.5°	807.7	785.4	673.9	562.4	468.3	510.4	480.7	500.5	478.2	545.1	555.0
30°	961.3	961.3	874.6	626.8	495.5	433.6	438.5	475.7	530.2	540.1	540.1
32.5°	1008.4	1005.9	894.4	678.9	488.1	448.5	403.9	448.5	542.6	589.7	594.6
35°	1075.3	1065.4	929.1	661.5	470.8	408.8	381.6	450.9	520.3	527.7	522.8
37.5°	1159.5	1134.8	971.2	629.3	431.1	384.0	366.7	406.3	465.8	465.8	465.8
40°	1263.6	1224.0	986.1	584.7	389.0	351.8	334.5	376.6	416.2	393.9	386.5
42.5°	1404.8	1345.4	998.5	552.5	351.8	324.6	302.3	341.9	361.7	349.3	344.4
45°	1536.1	1446.9	1018.3	517.8	322.1	299.8	280.0	314.7	329.5	317.1	314.7
47.5°	1692.2	1573.3	1020.8	485.6	299.8	280.0	265.1	294.8	304.7	304.7	302.3
50°	1853.3	1694.7	1040.6	458.4	277.5	260.2	257.7	280.0	287.4	282.5	280.0
52.5°	2036.6	1831.0	1048.0	423.7	250.2	237.9	250.2	265.1	287.4	289.9	289.9
55°	2232.3	1957.3	1043.1	376.6	230.4	225.5	242.8	275.0	294.8	280.0	277.5
57.5°	2423.1	2083.7	1045.6	324.6	210.6	220.5	245.3	287.4	302.3	284.9	277.5
60°	2594.1	2197.7	1010.9	277.5	195.7	208.1	255.2	299.8	294.8	299.8	292.4
62.5°	2804.7	2316.6	911.8	247.8	183.3	203.2	255.2	307.2	287.4	307.2	307.2
65°	2978.1	2405.8	770.5	223.0	173.4	203.2	257.7	309.7	280.0	312.2	312.2
67.5°	3052.4	2403.3	557.5	203.2	161.0	198.2	257.7	319.6	287.4	322.1	319.6
70°	3022.7	2321.5	393.9	188.3	153.6	200.7	267.6	327.0	294.8	341.9	339.4
72.5°	2822.0	2128.3	284.9	175.9	143.7	190.8	275.0	337.0	302.3	371.6	371.6
75°	2485.1	1778.9	230.4	163.5	133.8	188.3	277.5	341.9	307.2	376.6	376.6
77.5°	1900.3	1278.5	193.3	151.1	123.9	183.3	275.0	349.3	304.7	376.6	376.6
80°	1139.7	728.4	161.0	136.3	126.4	180.9	280.0	349.3	304.7	371.6	371.6
82.5°	525.3	334.5	143.7	114.0	118.9	178.4	284.9	344.4	292.4	371.6	356.8
85°	292.4	235.4	123.9	96.6	106.5	168.5	270.1	309.7	262.6	307.2	302.3
87.5°	218.0	183.3	79.3	49.6	69.4	118.9	208.1	245.3	198.2	237.9	235.4
90°	232.9	193.3	71.9	49.6	74.3	109.0	195.7	218.0	183.3	220.5	218.0
92.5°	250.2	203.2	71.9	52.0	84.2	118.9	195.7	213.1	180.9	200.7	203.2
95°	262.6	210.6	69.4	57.0	89.2	128.8	190.8	195.7	166.0	173.4	180.9
97.5°	205.6	158.6	61.9	59.5	86.7	104.1	156.1	153.6	114.0	106.5	106.5
100°	64.4	44.6	54.5	61.9	52.0	49.6	91.7	109.0	66.9	44.6	42.1
102.5°	19.8	17.3	49.6	59.5	39.6	22.3	49.6	69.4	49.6	7.4	9.9
105°	19.8	19.8	32.2	49.6	27.3	9.9	19.8	37.2	29.7	7.4	7.4
107.5°	19.8	17.3	12.4	27.3	9.9	7.4	9.9	9.9	9.9	7.4	7.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.8	19.8	9.9	9.9	7.4	7.4	5.0	5.0	7.4	17.3	17.3
115°	17.3	17.3	9.9	7.4	5.0	7.4	5.0	5.0	7.4	19.8	19.8
117.5°	19.8	19.8	9.9	7.4	5.0	5.0	5.0	2.5	7.4	22.3	24.8
120°	24.8	22.3	12.4	5.0	5.0	5.0	5.0	5.0	9.9	19.8	22.3
122.5°	24.8	24.8	12.4	5.0	2.5	2.5	2.5	5.0	9.9	19.8	22.3
125°	22.3	22.3	12.4	5.0	2.5	2.5	2.5	2.5	9.9	17.3	17.3
127.5°	19.8	19.8	9.9	5.0	2.5	2.5	2.5	2.5	7.4	14.9	17.3
130°	14.9	14.9	7.4	5.0	2.5	2.5	2.5	2.5	7.4	12.4	14.9
132.5°	12.4	12.4	7.4	5.0	2.5	2.5	2.5	2.5	7.4	9.9	12.4
135°	7.4	7.4	5.0	2.5	2.5	2.5	2.5	2.5	5.0	7.4	9.9
137.5°	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0
140°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	7.4	5.0
152.5°	2.5	2.5	2.5	5.0	2.5	0.0	0.0	5.0	5.0	7.4	7.4
155°	7.4	7.4	5.0	2.5	2.5	0.0	0.0	0.0	5.0	5.0	5.0
157.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5	2.5
160°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
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° | 19.8 19.8 7.4 7.4 5.0 5.0 7.4 7.4 9.9 17.3 **19.8**

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110°	19.8	19.8	9.9	9.9	7.4	7.4	7.4	5.0	5.0	12.4	12.4
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