

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: P560362

Luminaire Tested: **SDL-PA1-40-730-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
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-T2U-A
Description: Springdale
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4291.9 lumens
Efficiency: N/A
Efficacy: 108.9 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: B2 - U3 - G2

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

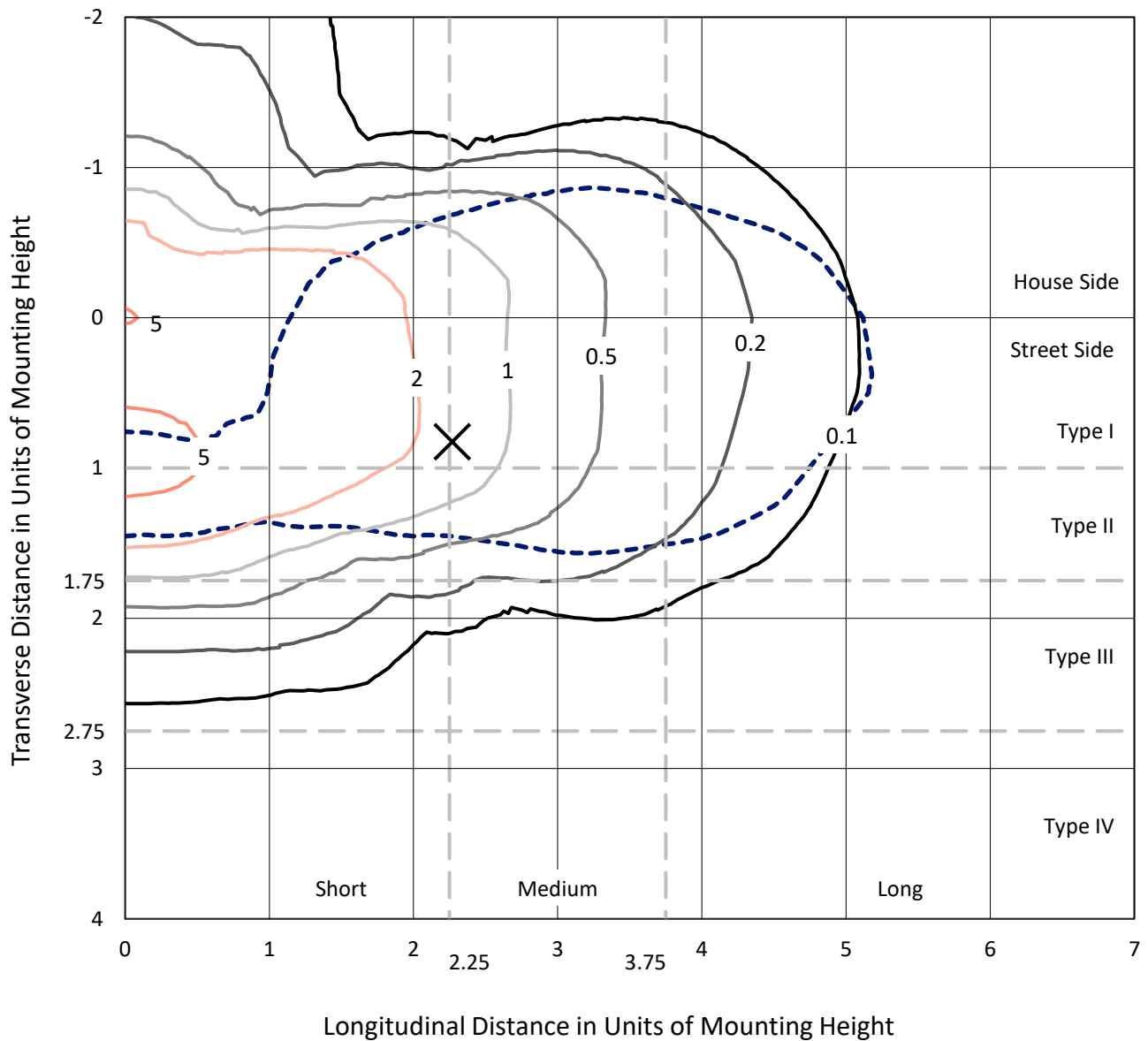




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Iso-Footcandle Lines of Horizontal Illumination

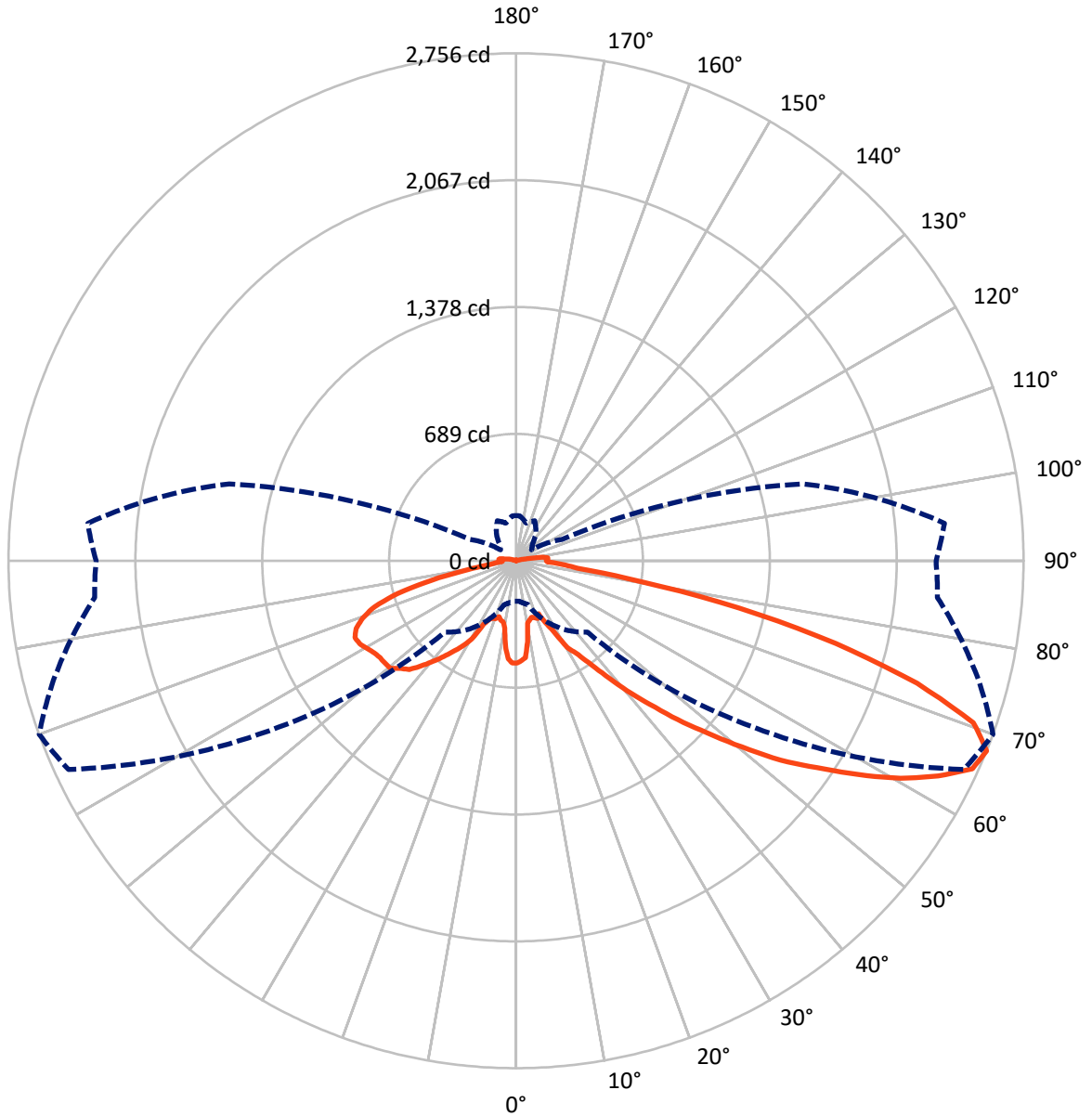
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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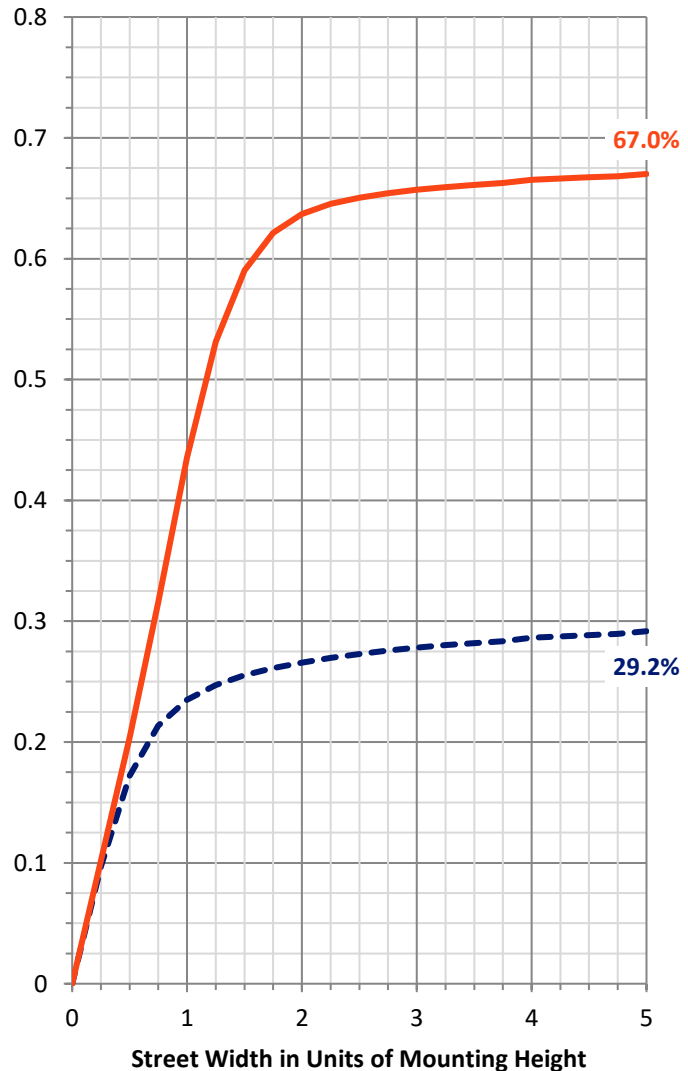
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1290.9	50.6	1341.5
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	2901.5	48.9	2950.4
	% Fixture	67.6	1.1	68.7
Total	Lumens	4192.4	99.5	4291.9
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	1.0
10°-20°	103.0	2.4
20°-30°	182.7	4.3
30°-40°	384.9	9.0
40°-50°	719.6	16.8
50°-60°	996.6	23.2
60°-70°	961.0	22.4
70°-80°	631.8	14.7
80°-90°	168.4	3.9
90°-100°	69.0	1.6
100°-110°	15.1	0.4
110°-120°	6.5	0.2
120°-130°	4.7	0.1
130°-140°	2.1	0.0
140°-150°	1.1	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4192.4	97.7
0°-180°	4291.9	100.0



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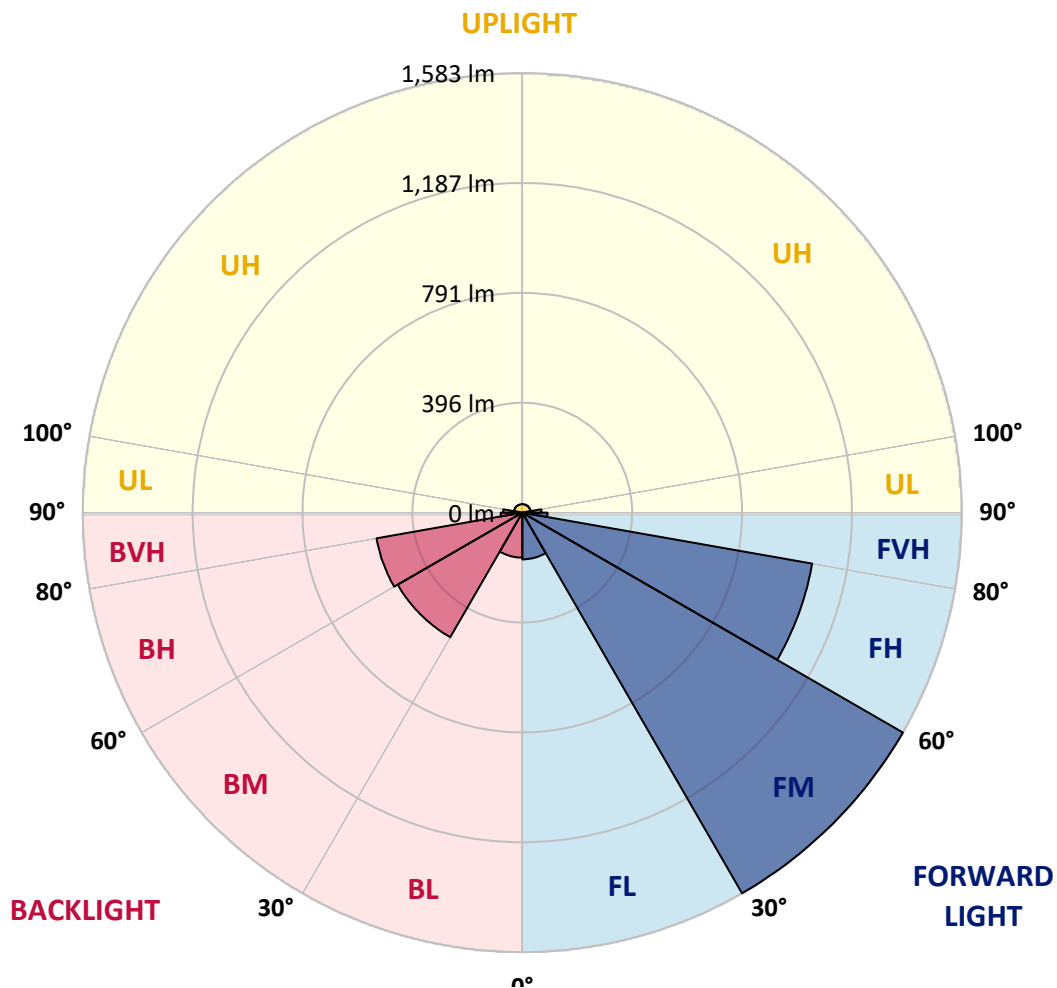
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.2	3.9			
FM (30°-60°)	1582.8	36.9			
FH (60°-80°)	1059.9	24.7			G1/1800
FVH (80°-90°)	90.6	2.1			G1/100
BL (0°-30°)	162.0	3.8	B1/500		
BM (30°-60°)	518.3	12.1	B1/1000		
BH (60°-80°)	532.9	12.4	B2/1000		G2/1000
BVH (80°-90°)	77.8	1.8			G1/100
UL (90°-100°)	69.0	1.6		U3/500	
UH (100°-180°)	30.5	0.7		U2/50	

BUG Rating: B2-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	555.5	555.5	555.5	555.5	555.5	555.5	555.5	555.5	555.5	555.5	555.5
2.5°	463.7	501.4	489.9	526.0	534.2	542.3	544.0	545.6	544.0	545.6	548.9
5°	437.5	439.1	440.8	444.0	444.0	447.3	453.9	522.7	529.2	534.2	540.7
7.5°	365.4	381.8	412.9	424.4	429.3	435.8	439.1	439.1	445.7	462.1	473.5
10°	406.3	403.1	404.7	406.3	383.4	378.5	344.1	339.2	344.1	355.6	409.6
12.5°	340.8	357.2	391.6	399.8	371.9	329.3	324.4	331.0	329.3	296.6	347.4
15°	394.9	393.2	390.0	383.4	311.3	326.1	280.2	283.5	317.9	340.8	388.3
17.5°	344.1	342.4	388.3	375.2	327.7	254.0	319.5	296.6	324.4	299.8	321.1
20°	427.6	426.0	421.1	313.0	334.3	337.5	309.7	286.7	334.3	345.7	390.0
22.5°	388.3	388.3	419.5	411.3	339.2	357.2	294.9	349.0	313.0	317.9	294.9
25°	534.2	529.2	522.7	381.8	408.0	327.7	365.4	321.1	373.6	404.7	424.4
27.5°	517.8	507.9	501.4	506.3	409.6	429.3	362.1	399.8	430.9	444.0	494.8
30°	727.5	714.4	694.7	530.9	509.6	439.1	437.5	494.8	545.6	586.6	614.4
32.5°	927.4	930.7	829.1	712.7	563.6	586.6	521.0	580.0	596.4	639.0	655.4
35°	1189.5	1156.8	1092.9	889.7	686.5	663.6	606.2	662.0	678.3	719.3	729.1
37.5°	1396.0	1397.6	1299.3	1069.9	822.5	802.9	702.9	760.3	789.8	835.6	819.2
40°	1594.3	1602.5	1523.8	1255.1	994.6	940.5	819.2	886.4	927.4	955.2	927.4
42.5°	1771.2	1769.6	1715.5	1459.9	1155.1	1124.0	942.1	1029.0	1065.0	1091.2	1069.9
45°	1910.5	1905.6	1856.4	1627.0	1345.2	1387.8	1102.7	1192.8	1230.5	1260.0	1207.6
47.5°	1958.0	1931.8	1910.5	1748.3	1522.2	1620.5	1301.0	1351.8	1396.0	1446.8	1361.6
50°	1907.2	1872.8	1881.0	1805.6	1671.3	1815.5	1514.0	1535.3	1589.3	1633.6	1507.4
52.5°	1695.8	1687.7	1733.5	1748.3	1735.2	1964.6	1753.2	1692.6	1799.1	1804.0	1658.2
55°	1417.3	1407.5	1515.6	1576.2	1674.5	2023.5	1956.4	1913.8	1982.6	1974.4	1792.5
57.5°	1142.0	1135.5	1233.8	1333.7	1504.1	1990.8	2098.9	2156.3	2190.7	2144.8	1917.0
60°	765.2	778.3	947.1	1081.4	1230.5	1794.2	2153.0	2382.4	2398.8	2300.5	2048.1
62.5°	488.3	506.3	614.4	834.0	919.2	1456.6	2113.7	2583.9	2574.1	2441.4	2169.4
65°	313.0	319.5	371.9	565.3	658.7	965.1	1938.3	2721.5	2723.2	2567.5	2266.0
67.5°	219.6	221.2	245.8	352.3	455.5	548.9	1576.2	2682.2	2756.0	2610.1	2297.2
70°	196.6	198.3	204.8	239.2	345.7	340.8	955.2	2397.1	2634.7	2554.4	2249.7
72.5°	175.3	177.0	188.4	208.1	265.4	267.1	457.1	1908.9	2277.5	2356.2	2108.7
75°	145.8	149.1	162.2	195.0	204.8	224.5	306.4	1341.9	1792.5	2030.1	1941.6
77.5°	122.9	124.5	134.4	165.5	178.6	181.9	262.2	743.9	1238.7	1494.3	1710.6
80°	98.3	98.3	106.5	131.1	147.5	149.1	234.3	393.2	686.5	904.5	1189.5
82.5°	63.9	65.5	75.4	98.3	109.8	147.5	208.1	286.7	335.9	435.8	540.7
85°	41.0	41.0	47.5	55.7	65.5	113.1	183.5	237.6	250.7	273.6	245.8
87.5°	19.7	19.7	18.0	21.3	24.6	42.6	127.8	168.8	170.4	167.1	180.2
90°	16.4	16.4	13.1	14.7	16.4	22.9	96.7	165.5	163.8	170.4	186.8
92.5°	18.0	18.0	13.1	14.7	16.4	19.7	70.5	167.1	172.0	180.2	198.3
95°	19.7	19.7	13.1	13.1	14.7	18.0	44.2	144.2	173.7	181.9	204.8
97.5°	18.0	18.0	9.8	11.5	13.1	16.4	27.9	108.1	136.0	142.5	162.2
100°	16.4	16.4	8.2	9.8	11.5	13.1	18.0	55.7	59.0	44.2	62.3
102.5°	14.7	16.4	6.6	8.2	8.2	8.2	11.5	26.2	26.2	14.7	16.4
105°	14.7	16.4	6.6	6.6	4.9	6.6	6.6	9.8	11.5	8.2	13.1
107.5°	16.4	16.4	6.6	6.6	4.9	4.9	4.9	6.6	8.2	6.6	13.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	9.8	9.8	4.9	6.6	3.3	3.3	3.3	4.9	6.6	8.2	18.0
115°	8.2	6.6	3.3	4.9	3.3	3.3	3.3	4.9	4.9	6.6	14.7
117.5°	8.2	6.6	3.3	3.3	1.6	3.3	3.3	4.9	4.9	6.6	13.1
120°	8.2	8.2	3.3	1.6	1.6	1.6	1.6	3.3	4.9	8.2	14.7
122.5°	9.8	8.2	3.3	3.3	1.6	1.6	1.6	3.3	4.9	8.2	14.7
125°	9.8	9.8	4.9	3.3	1.6	1.6	1.6	3.3	4.9	6.6	13.1
127.5°	9.8	8.2	4.9	3.3	1.6	1.6	1.6	1.6	3.3	4.9	11.5
130°	8.2	8.2	4.9	1.6	1.6	1.6	1.6	1.6	3.3	3.3	8.2
132.5°	6.6	6.6	4.9	1.6	1.6	1.6	1.6	1.6	1.6	3.3	6.6
135°	4.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9
137.5°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
140°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
142.5°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
145°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
147.5°	1.6	1.6	1.6	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6
150°	3.3	3.3	6.6	4.9	3.3	1.6	3.3	1.6	1.6	1.6	1.6
152.5°	4.9	4.9	6.6	4.9	1.6	1.6	1.6	3.3	1.6	1.6	1.6
155°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	3.3	3.3	4.9
157.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	555.5	555.5	555.5	555.5	555.5	555.5	555.5	555.5	555.5	555.5	555.5
2.5°	550.5	550.5	555.5	557.1	555.5	553.8	544.0	514.5	496.5	498.1	498.1
5°	542.3	544.0	548.9	519.4	483.4	486.6	491.5	493.2	493.2	496.5	496.5
7.5°	478.4	480.1	467.0	471.9	483.4	491.5	494.8	486.6	460.4	450.6	450.6
10°	414.5	414.5	368.7	370.3	383.4	408.0	485.0	493.2	501.4	503.0	501.4
12.5°	350.6	352.3	314.6	362.1	345.7	390.0	447.3	494.8	457.1	419.5	424.4
15°	391.6	394.9	353.9	311.3	319.5	385.0	334.3	458.8	462.1	462.1	462.1
17.5°	314.6	332.6	313.0	321.1	353.9	290.0	378.5	419.5	385.0	375.2	375.2
20°	391.6	391.6	357.2	309.7	327.7	376.9	335.9	373.6	439.1	439.1	437.5
22.5°	291.7	291.7	313.0	358.8	329.3	371.9	355.6	386.7	349.0	349.0	358.8
25°	421.1	416.2	380.1	317.9	375.2	344.1	357.2	337.5	394.9	399.8	396.5
27.5°	507.9	504.7	408.0	365.4	352.3	367.0	321.1	314.6	303.1	349.0	344.1
30°	601.3	593.1	534.2	440.8	386.7	309.7	290.0	301.5	334.3	335.9	334.3
32.5°	645.6	627.5	562.0	527.6	394.9	319.5	260.5	268.7	332.6	352.3	352.3
35°	706.2	686.5	612.8	575.1	393.2	281.8	231.0	260.5	299.8	301.5	301.5
37.5°	789.8	760.3	698.0	603.0	367.0	249.1	213.0	231.0	258.9	267.1	270.4
40°	886.4	848.7	793.0	621.0	329.3	209.7	190.1	213.0	234.3	227.8	227.8
42.5°	1022.4	966.7	886.4	648.8	281.8	185.2	173.7	195.0	209.7	213.0	211.4
45°	1150.2	1081.4	996.2	658.7	229.4	167.1	162.2	185.2	199.9	195.0	195.0
47.5°	1294.4	1207.6	1078.1	635.7	188.4	157.3	162.2	178.6	185.2	193.3	193.3
50°	1437.0	1343.6	1197.7	599.7	167.1	150.7	162.2	172.0	185.2	190.1	188.4
52.5°	1566.4	1484.5	1269.8	535.8	155.7	145.8	157.3	172.0	188.4	196.6	196.6
55°	1707.3	1623.8	1335.4	478.4	145.8	136.0	162.2	178.6	183.5	188.4	188.4
57.5°	1813.8	1748.3	1407.5	427.6	139.3	136.0	165.5	186.8	185.2	190.1	190.1
60°	1943.3	1885.9	1473.0	403.1	129.4	129.4	172.0	201.5	188.4	203.2	203.2
62.5°	2080.9	2046.5	1536.9	385.0	119.6	126.2	173.7	213.0	195.0	217.9	219.6
65°	2213.6	2220.2	1595.9	342.4	111.4	126.2	177.0	227.8	201.5	231.0	234.3
67.5°	2280.8	2334.9	1612.3	275.3	103.2	124.5	186.8	239.2	211.4	244.1	245.8
70°	2267.7	2338.1	1574.6	203.2	96.7	131.1	201.5	249.1	216.3	260.5	260.5
72.5°	2153.0	2203.8	1463.2	154.0	90.1	126.2	204.8	252.3	219.6	286.7	286.7
75°	1990.8	1938.3	1204.3	127.8	85.2	126.2	199.9	249.1	216.3	280.2	278.5
77.5°	1727.0	1551.7	830.7	113.1	80.3	121.2	186.8	242.5	206.5	260.5	263.8
80°	1107.6	955.2	424.4	98.3	85.2	116.3	180.2	224.5	191.7	232.7	234.3
82.5°	504.7	424.4	193.3	86.8	83.6	104.9	163.8	199.9	167.1	198.3	196.6
85°	213.0	216.3	152.4	73.7	73.7	81.9	121.2	155.7	129.4	139.3	136.0
87.5°	165.5	158.9	104.9	44.2	47.5	36.0	78.6	111.4	85.2	90.1	88.5
90°	175.3	172.0	111.4	45.9	34.4	21.3	59.0	86.8	63.9	57.3	55.7
92.5°	186.8	185.2	124.5	49.2	34.4	18.0	50.8	70.5	45.9	39.3	37.7
95°	199.9	199.9	136.0	52.4	34.4	18.0	45.9	54.1	34.4	26.2	24.6
97.5°	158.9	162.2	116.3	54.1	32.8	18.0	41.0	44.2	26.2	14.7	14.7
100°	63.9	70.5	63.9	54.1	29.5	14.7	32.8	34.4	18.0	8.2	8.2
102.5°	14.7	18.0	44.2	47.5	22.9	9.8	21.3	21.3	11.5	4.9	4.9
105°	14.7	13.1	29.5	37.7	13.1	6.6	9.8	13.1	6.6	3.3	3.3
107.5°	14.7	14.7	13.1	18.0	6.6	4.9	4.9	4.9	3.3	3.3	3.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.7	18.0	8.2	6.6	4.9	4.9	3.3	3.3	4.9	16.4	16.4
115°	16.4	14.7	8.2	4.9	4.9	4.9	3.3	1.6	4.9	18.0	18.0
117.5°	14.7	13.1	8.2	4.9	3.3	4.9	3.3	1.6	4.9	18.0	18.0
120°	16.4	14.7	8.2	4.9	3.3	3.3	3.3	1.6	4.9	16.4	16.4
122.5°	16.4	16.4	9.8	3.3	3.3	1.6	3.3	1.6	4.9	14.7	14.7
125°	14.7	13.1	8.2	3.3	1.6	1.6	1.6	1.6	6.6	13.1	14.7
127.5°	13.1	11.5	6.6	3.3	1.6	1.6	1.6	1.6	4.9	9.8	11.5
130°	9.8	9.8	4.9	3.3	1.6	1.6	1.6	1.6	4.9	9.8	8.2
132.5°	6.6	6.6	4.9	3.3	1.6	1.6	1.6	1.6	4.9	6.6	6.6
135°	4.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6	3.3	4.9	4.9
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3
140°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
145°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
150°	1.6	1.6	1.6	1.6	3.3	1.6	1.6	3.3	1.6	1.6	1.6
152.5°	1.6	1.6	1.6	3.3	1.6	1.6	1.6	1.6	4.9	4.9	3.3
155°	4.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6	3.3	1.6	1.6
157.5°	1.6	1.6	1.6	1.6	1.6	0.0	1.6	0.0	0.0	1.6	0.0
160°	0.0	0.0	1.6	1.6	1.6	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° | 14.7 14.7 4.9 6.6 3.3 3.3 3.3 4.9 6.6 14.7

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110°	16.4	14.7	6.6	6.6	4.9	4.9	3.3	3.3	1.6	9.8	11.5
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