

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: P560190

Luminaire Tested: **SDL-PA1-30-730-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560190
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-PA1-30-730-U-T3-A
Description: Springdale
(1) 70 CRI, 3000K, 375mA 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: 3241.9 lumens
Efficiency: N/A
Efficacy: 107.7 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

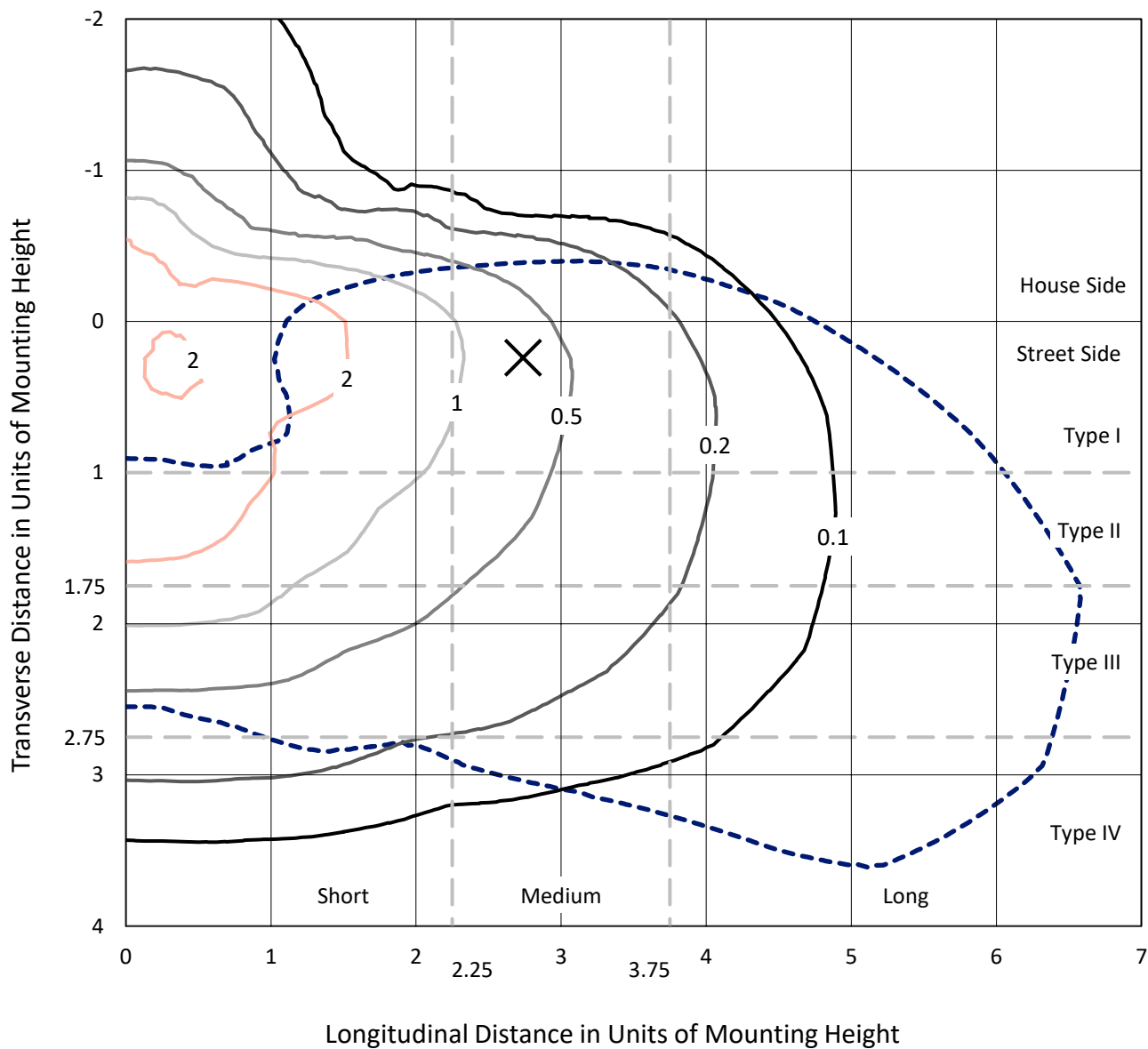
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

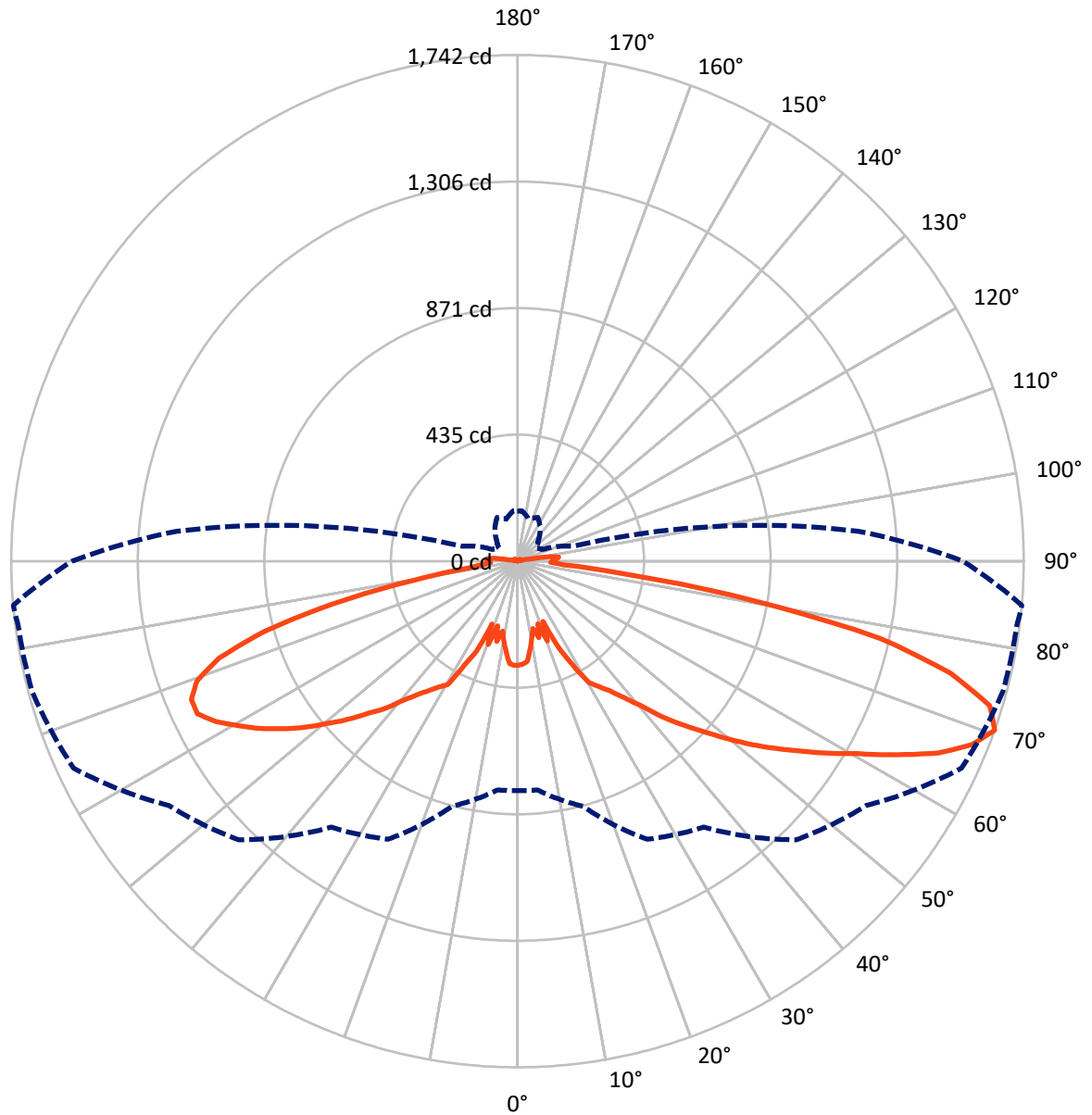
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 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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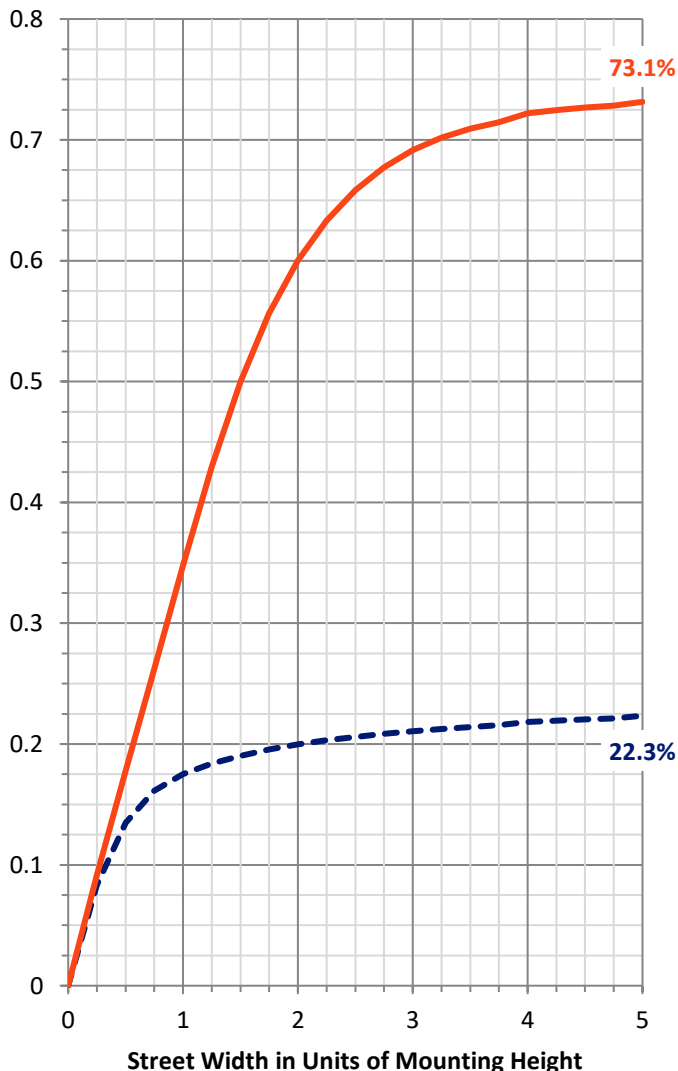
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	762.2	49.1	811.3
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	2389.1	41.5	2430.6
	% Fixture	73.7	1.3	75.0
Total	Lumens	3151.2	90.7	3241.9
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	0.9
10°-20°	71.5	2.2
20°-30°	130.3	4.0
30°-40°	246.3	7.6
40°-50°	411.6	12.7
50°-60°	642.4	19.8
60°-70°	796.7	24.6
70°-80°	650.9	20.1
80°-90°	172.3	5.3
90°-100°	65.4	2.0
100°-110°	13.9	0.4
110°-120°	4.5	0.1
120°-130°	3.5	0.1
130°-140°	1.7	0.1
140°-150°	0.8	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3151.2	97.2
0°-180°	3241.9	100.0

Coefficient of Utilization



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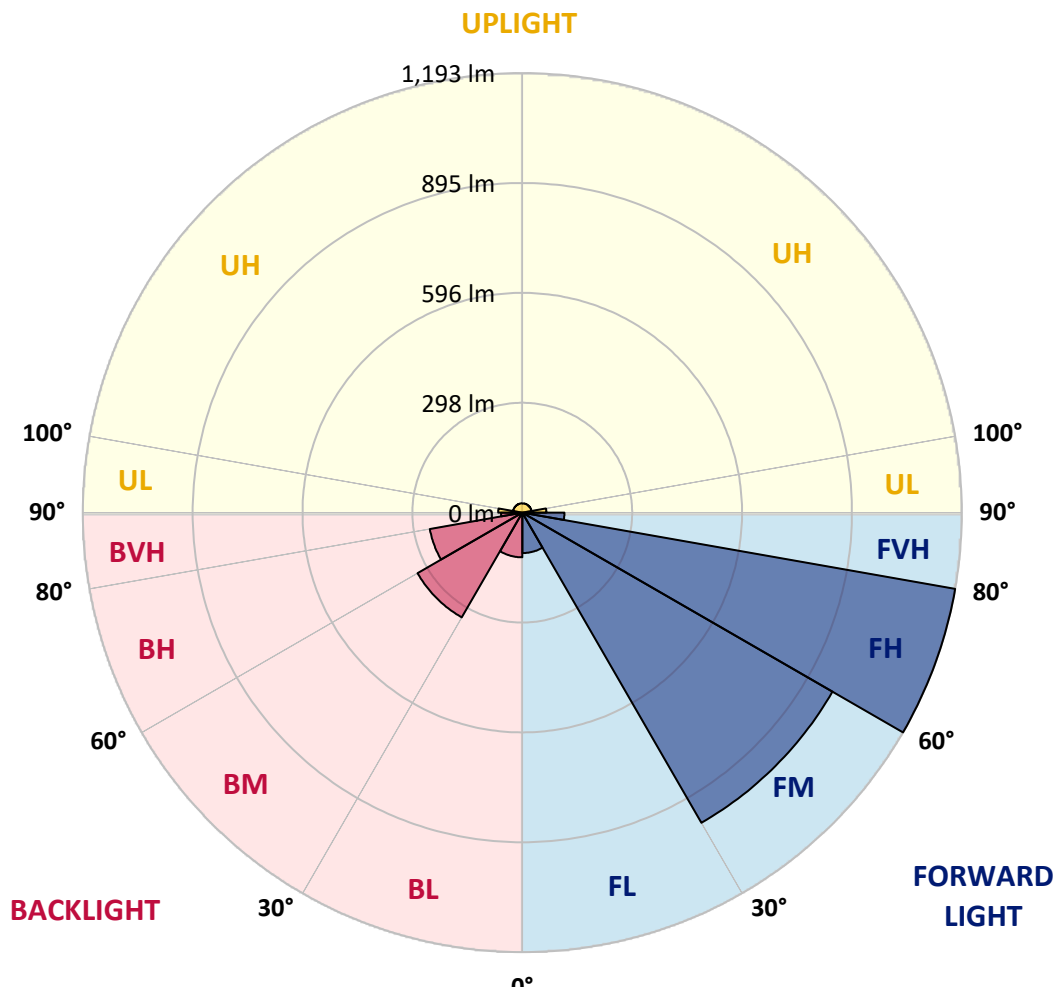
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.8	3.4			
FM (30°-60°)	972.1	30.0			
FH (60°-80°)	1192.9	36.8			G1/1800
FVH (80°-90°)	114.3	3.5			G2/225
BL (0°-30°)	121.2	3.7	B1/500		
BM (30°-60°)	328.3	10.1	B1/1000		
BH (60°-80°)	254.7	7.9	B1/500		G1/500
BVH (80°-90°)	58.0	1.8			G1/100
UL (90°-100°)	65.4	2.0		U3/500	
UH (100°-180°)	25.2	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°	75°	82.5°	85°
0°	358.2	358.2	358.2	358.2	358.2	358.2	358.2	358.2	358.2	358.2	358.2
2.5°	296.6	325.5	320.5	329.3	334.3	341.8	346.9	349.4	351.9	354.4	354.4
5°	275.2	276.5	277.7	279.0	281.5	285.3	289.0	329.3	341.8	346.9	346.9
7.5°	251.3	250.1	255.1	261.4	270.2	275.2	279.0	280.3	294.1	305.4	307.9
10°	250.1	251.3	251.3	253.9	238.8	237.5	219.9	221.2	240.0	268.9	270.2
12.5°	217.4	223.7	237.5	247.6	232.5	208.6	204.8	214.9	201.1	236.3	237.5
15°	242.5	241.3	241.3	231.2	196.1	206.1	183.5	191.0	233.8	266.4	272.7
17.5°	211.1	208.6	233.8	226.2	203.6	172.2	206.1	203.6	211.1	230.0	226.2
20°	265.2	262.7	257.6	196.1	206.1	216.2	209.9	196.1	247.6	276.5	292.8
22.5°	247.6	250.1	262.7	248.8	212.4	222.4	198.6	241.3	233.8	222.4	225.0
25°	338.1	335.5	323.0	243.8	253.9	207.4	242.5	214.9	296.6	329.3	331.8
27.5°	311.7	307.9	299.1	306.6	257.6	271.5	236.3	281.5	328.0	385.8	403.4
30°	413.5	409.7	399.6	309.2	306.6	268.9	286.5	345.6	442.4	486.4	485.1
32.5°	532.9	505.2	443.6	395.9	328.0	349.4	328.0	407.2	471.3	514.0	514.0
35°	605.7	600.7	568.0	460.0	382.0	380.8	377.0	448.7	520.3	550.4	547.9
37.5°	667.3	676.1	652.2	532.9	431.1	441.1	422.3	505.2	580.6	598.2	595.7
40°	752.8	750.3	737.7	595.7	491.4	490.1	476.3	573.1	647.2	659.8	653.5
42.5°	879.7	865.9	828.2	679.9	555.5	555.5	530.3	637.2	728.9	730.2	733.9
45°	1035.5	1029.3	962.7	810.6	638.4	637.2	595.7	705.0	811.8	818.1	806.8
47.5°	1143.6	1124.8	1092.1	930.0	766.6	737.7	674.9	771.6	911.1	906.1	883.5
50°	1250.4	1235.4	1205.2	1060.7	899.8	842.0	749.0	840.8	1006.6	992.8	971.5
52.5°	1342.2	1322.1	1289.4	1167.5	1016.7	971.5	834.5	903.6	1103.4	1080.8	1060.7
55°	1395.0	1353.5	1356.0	1263.0	1104.7	1068.2	930.0	1005.4	1197.7	1165.0	1148.7
57.5°	1329.6	1327.1	1368.6	1322.1	1185.1	1148.7	1031.8	1107.2	1295.7	1253.0	1245.4
60°	1264.3	1271.8	1330.9	1339.7	1247.9	1221.5	1119.7	1251.7	1391.2	1344.7	1344.7
62.5°	1173.8	1195.2	1278.1	1346.0	1254.2	1293.2	1211.5	1374.9	1495.5	1452.8	1466.6
65°	1070.7	1070.7	1166.2	1294.4	1234.1	1340.9	1313.3	1509.3	1587.3	1562.1	1591.0
67.5°	930.0	932.5	1031.8	1193.9	1197.7	1364.8	1395.0	1614.9	1682.8	1663.9	1685.3
70°	789.2	790.5	873.4	1055.7	1117.2	1356.0	1465.4	1685.3	1729.3	1731.8	1741.8
72.5°	590.7	612.0	689.9	857.1	977.7	1319.6	1501.8	1705.4	1728.0	1731.8	1699.1
75°	318.0	328.0	414.7	558.0	726.4	1170.0	1490.5	1684.0	1667.7	1623.7	1538.2
77.5°	110.6	115.6	145.8	243.8	412.2	828.2	1382.4	1591.0	1538.2	1400.0	1274.3
80°	71.6	71.6	79.2	116.9	187.3	392.1	1073.2	1363.6	1239.1	943.8	826.9
82.5°	50.3	51.5	57.8	77.9	120.6	168.4	558.0	692.5	682.4	470.0	395.9
85°	36.4	37.7	40.2	45.2	82.9	104.3	217.4	333.0	307.9	168.4	158.3
87.5°	16.3	18.9	16.3	20.1	32.7	64.1	104.3	103.1	98.0	111.8	114.4
90°	12.6	12.6	10.1	11.3	22.6	57.8	96.8	93.0	99.3	121.9	120.6
92.5°	12.6	12.6	10.1	11.3	21.4	57.8	101.8	90.5	103.1	130.7	132.0
95°	12.6	13.8	10.1	10.1	17.6	59.1	108.1	96.8	109.3	142.0	142.0
97.5°	11.3	11.3	7.5	8.8	13.8	54.0	108.1	82.9	80.4	114.4	113.1
100°	8.8	10.1	5.0	7.5	10.1	32.7	80.4	51.5	22.6	26.4	40.2
102.5°	8.8	8.8	5.0	6.3	7.5	13.8	42.7	30.2	6.3	8.8	8.8
105°	8.8	10.1	5.0	5.0	5.0	6.3	20.1	15.1	5.0	7.5	8.8
107.5°	10.1	10.1	3.8	3.8	3.8	3.8	7.5	6.3	5.0	8.8	10.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	8.8	8.8	3.8	3.8	2.5	2.5	2.5	3.8	5.0	7.5	8.8
115°	6.3	6.3	2.5	3.8	2.5	2.5	2.5	3.8	3.8	6.3	7.5
117.5°	6.3	5.0	2.5	2.5	1.3	2.5	2.5	3.8	5.0	8.8	8.8
120°	6.3	6.3	2.5	1.3	1.3	1.3	1.3	2.5	6.3	10.1	11.3
122.5°	6.3	6.3	2.5	1.3	1.3	1.3	1.3	2.5	6.3	10.1	11.3
125°	7.5	6.3	3.8	1.3	1.3	1.3	1.3	1.3	5.0	8.8	10.1
127.5°	6.3	6.3	3.8	1.3	1.3	1.3	1.3	1.3	3.8	7.5	8.8
130°	6.3	6.3	3.8	1.3	1.3	1.3	1.3	1.3	3.8	6.3	6.3
132.5°	5.0	5.0	3.8	1.3	1.3	1.3	1.3	1.3	2.5	5.0	5.0
135°	5.0	5.0	2.5	1.3	1.3	1.3	1.3	1.3	1.3	3.8	3.8
137.5°	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
140°	0.0	1.3	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3
150°	3.8	3.8	3.8	2.5	2.5	1.3	2.5	1.3	1.3	1.3	1.3
152.5°	3.8	3.8	5.0	2.5	1.3	1.3	1.3	2.5	1.3	1.3	1.3
155°	2.5	2.5	2.5	1.3	1.3	1.3	1.3	1.3	2.5	2.5	3.8
157.5°	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
160°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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°	358.2	358.2	358.2	358.2	358.2	358.2	358.2	358.2	358.2	358.2	358.2
2.5°	355.7	358.2	359.4	363.2	363.2	363.2	354.4	333.0	333.0	334.3	335.5
5°	350.6	353.1	358.2	340.6	323.0	321.7	328.0	331.8	333.0	334.3	331.8
7.5°	310.4	315.4	312.9	314.2	323.0	331.8	339.3	334.3	321.7	312.9	315.4
10°	276.5	281.5	253.9	256.4	266.4	291.6	333.0	346.9	355.7	359.4	359.4
12.5°	242.5	246.3	222.4	257.6	240.0	279.0	324.2	358.2	324.2	310.4	310.4
15°	277.7	285.3	256.4	228.7	233.8	282.8	248.8	341.8	351.9	354.4	356.9
17.5°	237.5	232.5	237.5	241.3	262.7	219.9	285.3	321.7	301.6	294.1	297.8
20°	299.1	304.1	277.7	237.5	240.0	280.3	253.9	287.8	343.1	344.3	346.9
22.5°	227.5	233.8	248.8	282.8	247.6	271.5	267.7	299.1	280.3	281.5	291.6
25°	334.3	339.3	312.9	252.6	270.2	245.1	270.2	266.4	314.2	316.7	316.7
27.5°	409.7	398.4	341.8	285.3	237.5	258.9	243.8	253.9	242.5	276.5	281.5
30°	487.6	487.6	443.6	318.0	251.3	219.9	222.4	241.3	268.9	274.0	274.0
32.5°	511.5	510.2	453.7	344.3	247.6	227.5	204.8	227.5	275.2	299.1	301.6
35°	545.4	540.4	471.3	335.5	238.8	207.4	193.5	228.7	263.9	267.7	265.2
37.5°	588.2	575.6	492.6	319.2	218.7	194.8	186.0	206.1	236.3	236.3	236.3
40°	640.9	620.8	500.2	296.6	197.3	178.5	169.7	191.0	211.1	199.8	196.1
42.5°	712.6	682.4	506.5	280.3	178.5	164.6	153.3	173.4	183.5	177.2	174.7
45°	779.2	733.9	516.5	262.7	163.4	152.1	142.0	159.6	167.1	160.9	159.6
47.5°	858.3	798.0	517.8	246.3	152.1	142.0	134.5	149.6	154.6	154.6	153.3
50°	940.0	859.6	527.8	232.5	140.8	132.0	130.7	142.0	145.8	143.3	142.0
52.5°	1033.0	928.7	531.6	214.9	126.9	120.6	126.9	134.5	145.8	147.0	147.0
55°	1132.3	992.8	529.1	191.0	116.9	114.4	123.2	139.5	149.6	142.0	140.8
57.5°	1229.1	1056.9	530.3	164.6	106.8	111.8	124.4	145.8	153.3	144.5	140.8
60°	1315.8	1114.7	512.7	140.8	99.3	105.6	129.4	152.1	149.6	152.1	148.3
62.5°	1422.6	1175.0	462.5	125.7	93.0	103.1	129.4	155.8	145.8	155.8	155.8
65°	1510.6	1220.3	390.8	113.1	88.0	103.1	130.7	157.1	142.0	158.3	158.3
67.5°	1548.3	1219.0	282.8	103.1	81.7	100.5	130.7	162.1	145.8	163.4	162.1
70°	1533.2	1177.6	199.8	95.5	77.9	101.8	135.7	165.9	149.6	173.4	172.2
72.5°	1431.4	1079.5	144.5	89.2	72.9	96.8	139.5	170.9	153.3	188.5	188.5
75°	1260.5	902.3	116.9	82.9	67.9	95.5	140.8	173.4	155.8	191.0	191.0
77.5°	963.9	648.5	98.0	76.7	62.8	93.0	139.5	177.2	154.6	191.0	191.0
80°	578.1	369.5	81.7	69.1	64.1	91.7	142.0	177.2	154.6	188.5	188.5
82.5°	266.4	169.7	72.9	57.8	60.3	90.5	144.5	174.7	148.3	188.5	181.0
85°	148.3	119.4	62.8	49.0	54.0	85.5	137.0	157.1	133.2	155.8	153.3
87.5°	110.6	93.0	40.2	25.1	35.2	60.3	105.6	124.4	100.5	120.6	119.4
90°	118.1	98.0	36.4	25.1	37.7	55.3	99.3	110.6	93.0	111.8	110.6
92.5°	126.9	103.1	36.4	26.4	42.7	60.3	99.3	108.1	91.7	101.8	103.1
95°	133.2	106.8	35.2	28.9	45.2	65.4	96.8	99.3	84.2	88.0	91.7
97.5°	104.3	80.4	31.4	30.2	44.0	52.8	79.2	77.9	57.8	54.0	54.0
100°	32.7	22.6	27.6	31.4	26.4	25.1	46.5	55.3	33.9	22.6	21.4
102.5°	10.1	8.8	25.1	30.2	20.1	11.3	25.1	35.2	25.1	3.8	5.0
105°	10.1	10.1	16.3	25.1	13.8	5.0	10.1	18.9	15.1	3.8	3.8
107.5°	10.1	8.8	6.3	13.8	5.0	3.8	5.0	5.0	5.0	3.8	3.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.1	10.1	5.0	5.0	3.8	3.8	2.5	2.5	3.8	8.8	8.8
115°	8.8	8.8	5.0	3.8	2.5	3.8	2.5	2.5	3.8	10.1	10.1
117.5°	10.1	10.1	5.0	3.8	2.5	2.5	2.5	1.3	3.8	11.3	12.6
120°	12.6	11.3	6.3	2.5	2.5	2.5	2.5	2.5	5.0	10.1	11.3
122.5°	12.6	12.6	6.3	2.5	1.3	1.3	1.3	2.5	5.0	10.1	11.3
125°	11.3	11.3	6.3	2.5	1.3	1.3	1.3	1.3	5.0	8.8	8.8
127.5°	10.1	10.1	5.0	2.5	1.3	1.3	1.3	1.3	3.8	7.5	8.8
130°	7.5	7.5	3.8	2.5	1.3	1.3	1.3	1.3	3.8	6.3	7.5
132.5°	6.3	6.3	3.8	2.5	1.3	1.3	1.3	1.3	3.8	5.0	6.3
135°	3.8	3.8	2.5	1.3	1.3	1.3	1.3	1.3	2.5	3.8	5.0
137.5°	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5
140°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
145°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5	3.8	2.5
152.5°	1.3	1.3	1.3	2.5	1.3	0.0	0.0	2.5	2.5	3.8	3.8
155°	3.8	3.8	2.5	1.3	1.3	0.0	0.0	0.0	2.5	2.5	2.5
157.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3
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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110° | 10.1 10.1 3.8 3.8 2.5 2.5 3.8 3.8 5.0 8.8 *10.1*

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110°	10.1	10.1	5.0	5.0	3.8	3.8	3.8	2.5	2.5	6.3	6.3
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