

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: P560120

Luminaire Tested: **SDL-PA1-20-830-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560120
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-PA1-20-830-U-T2U-A
Description: Springdale
(1) 80 CRI, 3000K, 260mA 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: 2081.2 lumens
Efficiency: N/A
Efficacy: 99.1 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 - U2 - G1

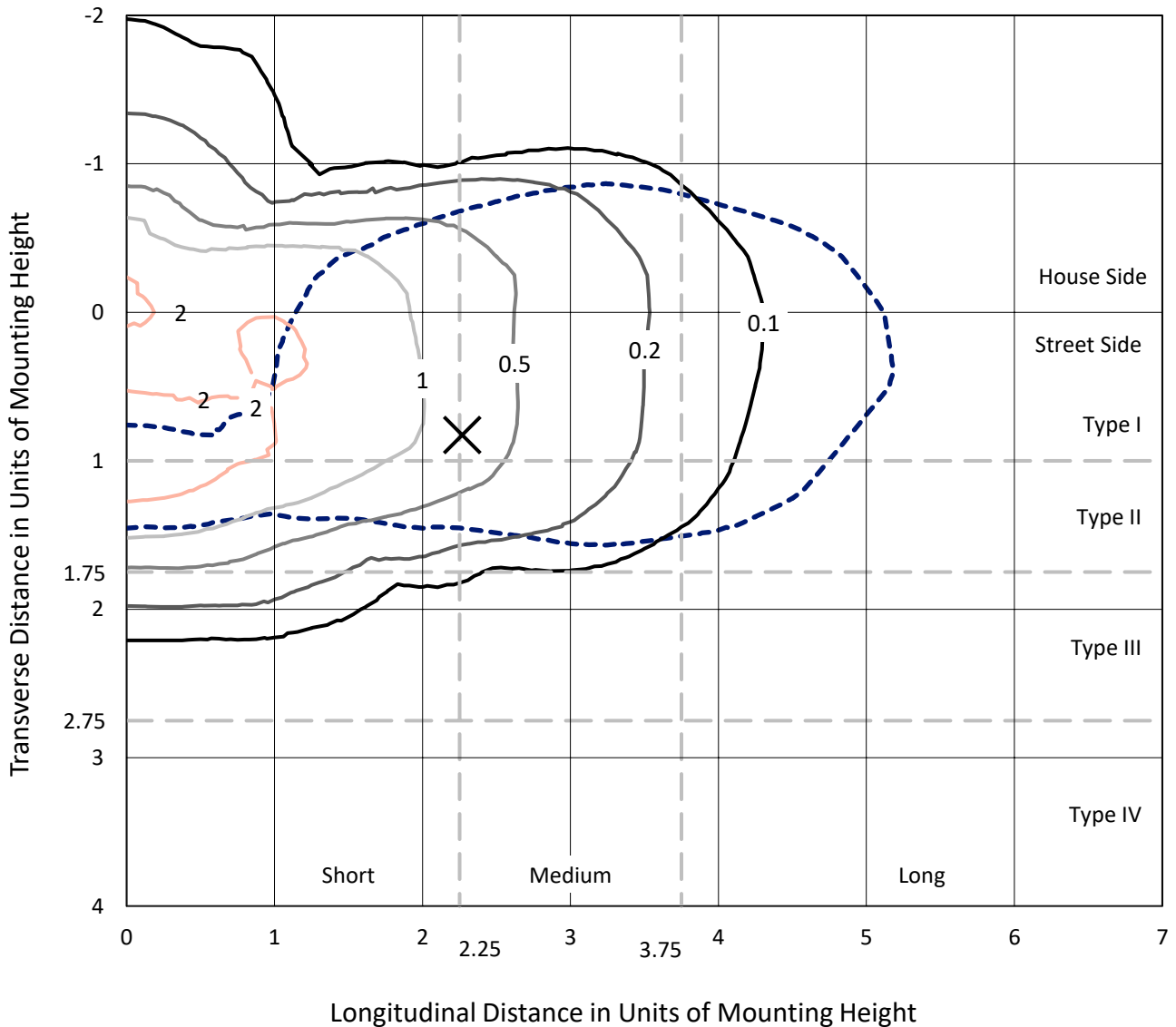
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

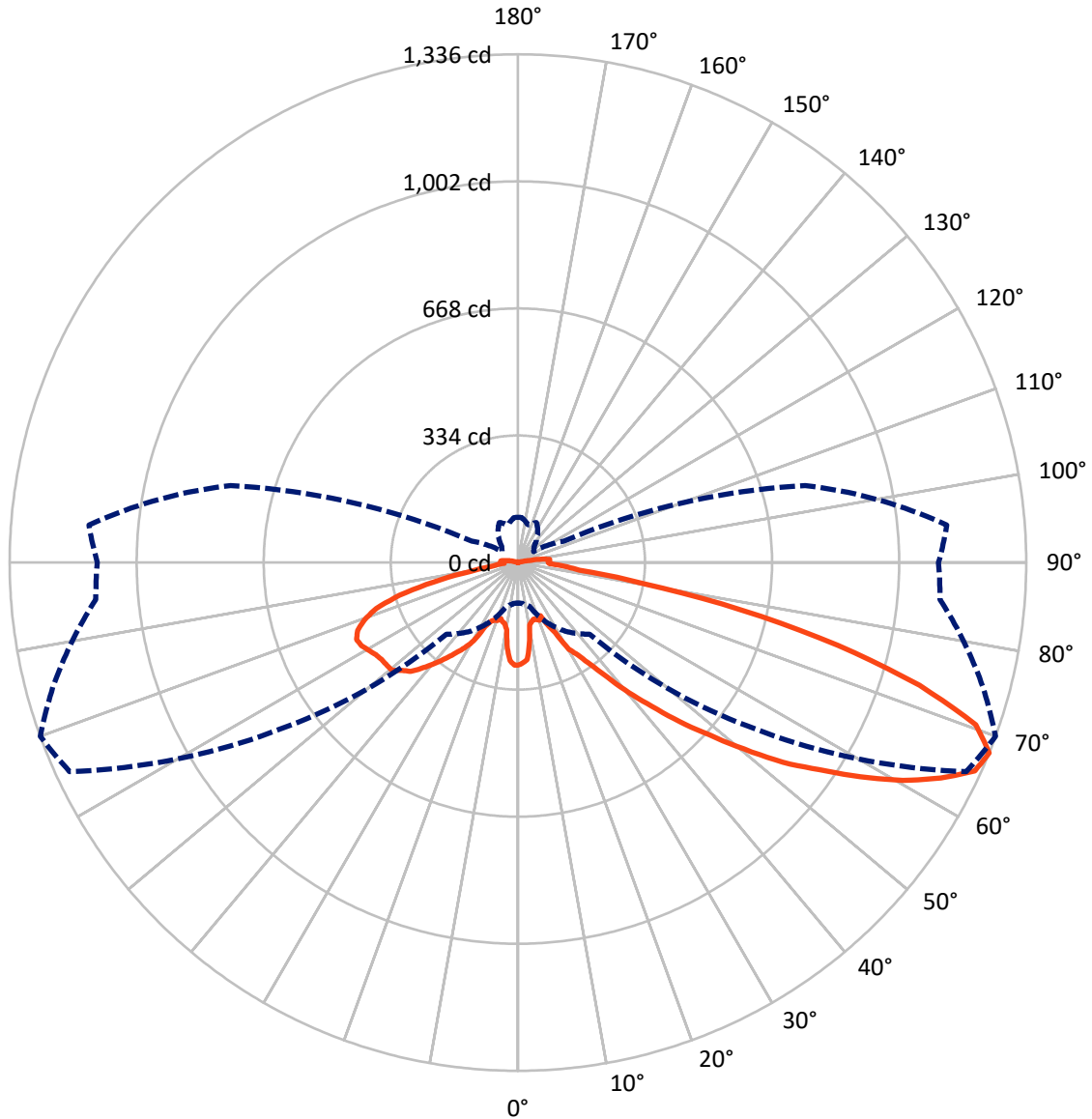
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 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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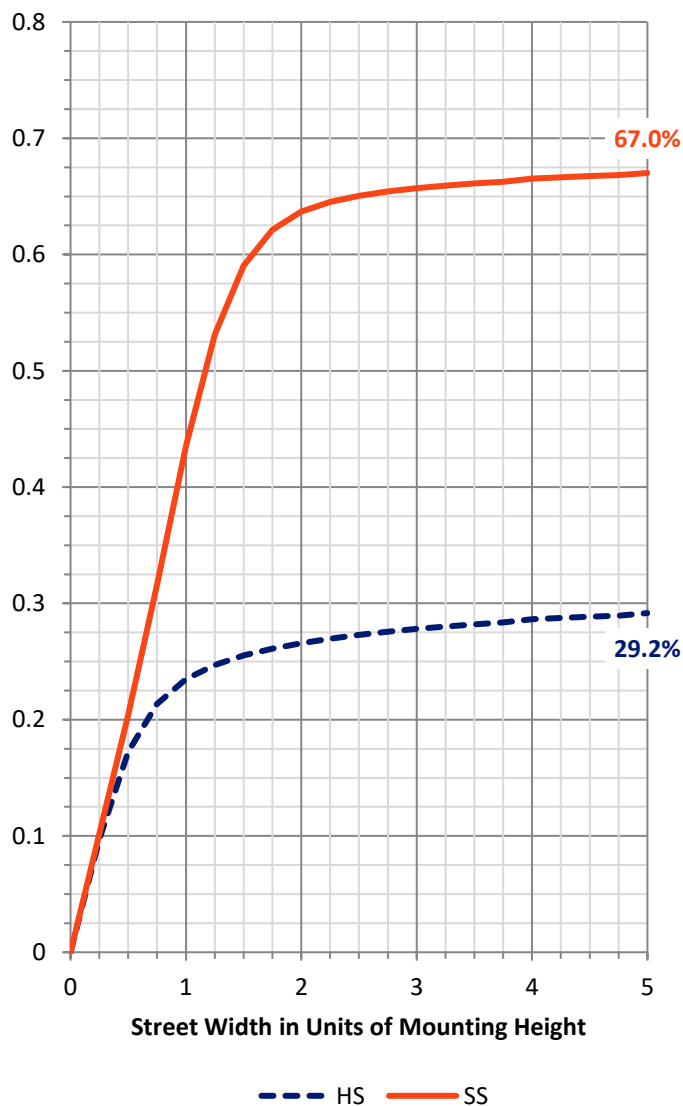
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	626.0	24.6	650.5
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	1406.9	23.8	1430.7
	% Fixture	67.6	1.1	68.7
Total	Lumens	2032.9	48.3	2081.2
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	1.0
10°-20°	49.9	2.4
20°-30°	88.6	4.3
30°-40°	186.6	9.0
40°-50°	348.9	16.8
50°-60°	483.3	23.2
60°-70°	466.0	22.4
70°-80°	306.4	14.7
80°-90°	81.6	3.9
90°-100°	33.5	1.6
100°-110°	7.3	0.4
110°-120°	3.2	0.2
120°-130°	2.3	0.1
130°-140°	1.0	0.0
140°-150°	0.5	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2032.9	97.7
0°-180°	2081.2	100.0

Coefficient of Utilization



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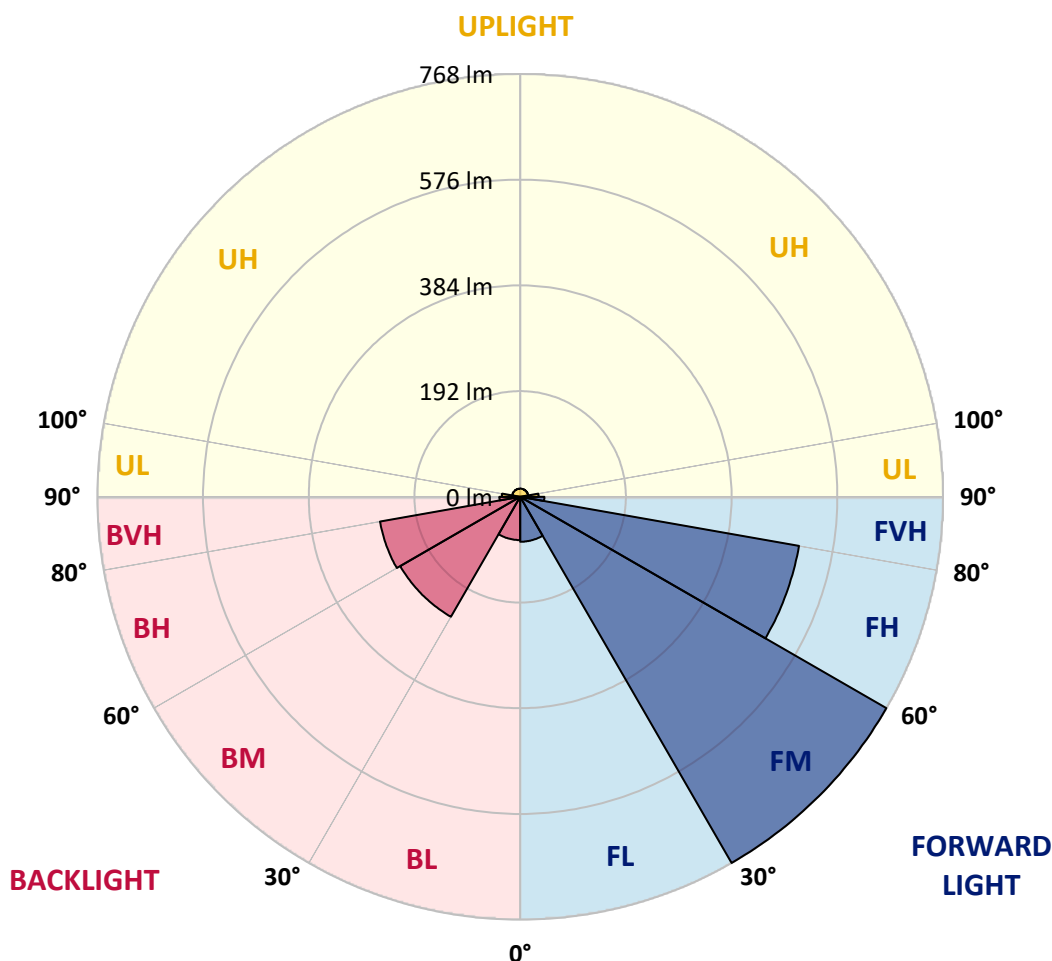
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	81.6	3.9			
FM	(30°-60°)	767.5	36.9			
FH	(60°-80°)	513.9	24.7			G0/660
FVH	(80°-90°)	43.9	2.1			G1/100
BL	(0°-30°)	78.5	3.8	B0/110		
BM	(30°-60°)	251.3	12.1	B1/1000		
BH	(60°-80°)	258.4	12.4	B1/500		G1/500
BVH	(80°-90°)	37.7	1.8			G1/100
UL	(90°-100°)	33.5	1.6		U2/50	
UH	(100°-180°)	14.9	0.7		U2/50	

BUG Rating: B1-U2-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	269.3	269.3	269.3	269.3	269.3	269.3	269.3	269.3	269.3	269.3	269.3
2.5°	224.8	243.1	237.6	255.0	259.0	263.0	263.8	264.6	263.8	264.6	266.2
5°	212.1	212.9	213.7	215.3	215.3	216.9	220.1	253.4	256.6	259.0	262.2
7.5°	177.2	185.1	200.2	205.8	208.2	211.3	212.9	212.9	216.1	224.1	229.6
10°	197.0	195.4	196.2	197.0	185.9	183.5	166.8	164.5	166.8	172.4	198.6
12.5°	165.3	173.2	189.9	193.9	180.4	159.7	157.3	160.5	159.7	143.8	168.4
15°	191.5	190.7	189.1	185.9	151.0	158.1	135.9	137.5	154.1	165.3	188.3
17.5°	166.8	166.1	188.3	181.9	158.9	123.1	154.9	143.8	157.3	145.4	155.7
20°	207.4	206.6	204.2	151.8	162.1	163.7	150.2	139.0	162.1	167.6	189.1
22.5°	188.3	188.3	203.4	199.4	164.5	173.2	143.0	169.2	151.8	154.1	143.0
25°	259.0	256.6	253.4	185.1	197.8	158.9	177.2	155.7	181.1	196.2	205.8
27.5°	251.1	246.3	243.1	245.5	198.6	208.2	175.6	193.9	209.0	215.3	239.9
30°	352.8	346.4	336.9	257.4	247.1	212.9	212.1	239.9	264.6	284.4	297.9
32.5°	449.7	451.3	402.0	345.6	273.3	284.4	252.7	281.3	289.2	309.9	317.8
35°	576.8	560.9	529.9	431.4	332.9	321.8	294.0	321.0	328.9	348.8	353.6
37.5°	676.9	677.7	630.0	518.8	398.8	389.3	340.8	368.7	383.0	405.2	397.3
40°	773.1	777.0	738.9	608.6	482.3	456.0	397.3	429.8	449.7	463.2	449.7
42.5°	858.9	858.1	831.9	707.9	560.1	545.0	456.8	499.0	516.4	529.1	518.8
45°	926.4	924.0	900.2	788.9	652.3	672.9	534.7	578.4	596.7	611.0	585.6
47.5°	949.4	936.7	926.4	847.7	738.1	785.8	630.8	655.5	676.9	701.6	660.2
50°	924.8	908.1	912.1	875.5	810.4	880.3	734.1	744.5	770.7	792.1	730.9
52.5°	822.3	818.3	840.6	847.7	841.4	952.6	850.1	820.7	872.4	874.8	804.0
55°	687.3	682.5	734.9	764.3	812.0	981.2	948.6	928.0	961.4	957.4	869.2
57.5°	553.8	550.6	598.3	646.7	729.4	965.3	1017.8	1045.6	1062.3	1040.0	929.6
60°	371.0	377.4	459.2	524.4	596.7	870.0	1044.0	1155.2	1163.2	1115.5	993.1
62.5°	236.8	245.5	297.9	404.4	445.7	706.3	1024.9	1252.9	1248.2	1183.8	1051.9
65°	151.8	154.9	180.4	274.1	319.4	468.0	939.9	1319.7	1320.5	1245.0	1098.8
67.5°	106.5	107.3	119.2	170.8	220.9	266.2	764.3	1300.6	1336.4	1265.7	1113.9
70°	95.3	96.1	99.3	116.0	167.6	165.3	463.2	1162.4	1277.6	1238.6	1090.9
72.5°	85.0	85.8	91.4	100.9	128.7	129.5	221.7	925.6	1104.4	1142.5	1022.5
75°	70.7	72.3	78.7	94.5	99.3	108.8	148.6	650.7	869.2	984.4	941.5
77.5°	59.6	60.4	65.1	80.2	86.6	88.2	127.1	360.7	600.6	724.6	829.5
80°	47.7	47.7	51.6	63.6	71.5	72.3	113.6	190.7	332.9	438.6	576.8
82.5°	31.0	31.8	36.5	47.7	53.2	71.5	100.9	139.0	162.9	211.3	262.2
85°	19.9	19.9	23.0	27.0	31.8	54.8	89.0	115.2	121.6	132.7	119.2
87.5°	9.5	9.5	8.7	10.3	11.9	20.7	62.0	81.8	82.6	81.0	87.4
90°	7.9	7.9	6.4	7.2	7.9	11.1	46.9	80.2	79.5	82.6	90.6
92.5°	8.7	8.7	6.4	7.2	7.9	9.5	34.2	81.0	83.4	87.4	96.1
95°	9.5	9.5	6.4	6.4	7.2	8.7	21.5	69.9	84.2	88.2	99.3
97.5°	8.7	8.7	4.8	5.6	6.4	7.9	13.5	52.4	65.9	69.1	78.7
100°	7.9	7.9	4.0	4.8	5.6	6.4	8.7	27.0	28.6	21.5	30.2
102.5°	7.2	7.9	3.2	4.0	4.0	4.0	5.6	12.7	12.7	7.2	7.9
105°	7.2	7.9	3.2	3.2	2.4	3.2	3.2	4.8	5.6	4.0	6.4
107.5°	7.9	7.9	3.2	3.2	2.4	2.4	2.4	3.2	4.0	3.2	6.4
110°	7.2	7.2	2.4	3.2	1.6	1.6	1.6	2.4	3.2	3.2	7.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	4.8	4.8	2.4	3.2	1.6	1.6	1.6	2.4	3.2	4.0	8.7
115°	4.0	3.2	1.6	2.4	1.6	1.6	1.6	2.4	2.4	3.2	7.2
117.5°	4.0	3.2	1.6	1.6	0.8	1.6	1.6	2.4	2.4	3.2	6.4
120°	4.0	4.0	1.6	0.8	0.8	0.8	0.8	1.6	2.4	4.0	7.2
122.5°	4.8	4.0	1.6	1.6	0.8	0.8	0.8	1.6	2.4	4.0	7.2
125°	4.8	4.8	2.4	1.6	0.8	0.8	0.8	1.6	2.4	3.2	6.4
127.5°	4.8	4.0	2.4	1.6	0.8	0.8	0.8	0.8	1.6	2.4	5.6
130°	4.0	4.0	2.4	0.8	0.8	0.8	0.8	0.8	1.6	1.6	4.0
132.5°	3.2	3.2	2.4	0.8	0.8	0.8	0.8	0.8	0.8	1.6	3.2
135°	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4
137.5°	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
140°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8
150°	1.6	1.6	3.2	2.4	1.6	0.8	1.6	0.8	0.8	0.8	0.8
152.5°	2.4	2.4	3.2	2.4	0.8	0.8	0.8	1.6	0.8	0.8	0.8
155°	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	1.6	1.6	2.4
157.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	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°	269.3	269.3	269.3	269.3	269.3	269.3	269.3	269.3	269.3	269.3	269.3
2.5°	267.0	267.0	269.3	270.1	269.3	268.5	263.8	249.5	240.7	241.5	241.5
5°	263.0	263.8	266.2	251.9	234.4	236.0	238.4	239.1	239.1	240.7	240.7
7.5°	232.0	232.8	226.4	228.8	234.4	238.4	239.9	236.0	223.3	218.5	218.5
10°	201.0	201.0	178.8	179.6	185.9	197.8	235.2	239.1	243.1	243.9	243.1
12.5°	170.0	170.8	152.5	175.6	167.6	189.1	216.9	239.9	221.7	203.4	205.8
15°	189.9	191.5	171.6	151.0	154.9	186.7	162.1	222.5	224.1	224.1	224.1
17.5°	152.5	161.3	151.8	155.7	171.6	140.6	183.5	203.4	186.7	181.9	181.9
20°	189.9	189.9	173.2	150.2	158.9	182.7	162.9	181.1	212.9	212.9	212.1
22.5°	141.4	141.4	151.8	174.0	159.7	180.4	172.4	187.5	169.2	169.2	174.0
25°	204.2	201.8	184.3	154.1	181.9	166.8	173.2	163.7	191.5	193.9	192.3
27.5°	246.3	244.7	197.8	177.2	170.8	178.0	155.7	152.5	147.0	169.2	166.8
30°	291.6	287.6	259.0	213.7	187.5	150.2	140.6	146.2	162.1	162.9	162.1
32.5°	313.0	304.3	272.5	255.8	191.5	154.9	126.3	130.3	161.3	170.8	170.8
35°	342.4	332.9	297.1	278.9	190.7	136.7	112.0	126.3	145.4	146.2	146.2
37.5°	383.0	368.7	338.5	292.4	178.0	120.8	103.3	112.0	125.5	129.5	131.1
40°	429.8	411.6	384.5	301.1	159.7	101.7	92.2	103.3	113.6	110.4	110.4
42.5°	495.8	468.8	429.8	314.6	136.7	89.8	84.2	94.5	101.7	103.3	102.5
45°	557.7	524.4	483.1	319.4	111.2	81.0	78.7	89.8	96.9	94.5	94.5
47.5°	627.7	585.6	522.8	308.3	91.4	76.3	78.7	86.6	89.8	93.8	93.8
50°	696.8	651.5	580.8	290.8	81.0	73.1	78.7	83.4	89.8	92.2	91.4
52.5°	759.6	719.8	615.7	259.8	75.5	70.7	76.3	83.4	91.4	95.3	95.3
55°	827.9	787.4	647.5	232.0	70.7	65.9	78.7	86.6	89.0	91.4	91.4
57.5°	879.5	847.7	682.5	207.4	67.5	65.9	80.2	90.6	89.8	92.2	92.2
60°	942.3	914.5	714.3	195.4	62.8	62.8	83.4	97.7	91.4	98.5	98.5
62.5°	1009.0	992.3	745.2	186.7	58.0	61.2	84.2	103.3	94.5	105.7	106.5
65°	1073.4	1076.6	773.9	166.1	54.0	61.2	85.8	110.4	97.7	112.0	113.6
67.5°	1106.0	1132.2	781.8	133.5	50.1	60.4	90.6	116.0	102.5	118.4	119.2
70°	1099.6	1133.8	763.5	98.5	46.9	63.6	97.7	120.8	104.9	126.3	126.3
72.5°	1044.0	1068.6	709.5	74.7	43.7	61.2	99.3	122.4	106.5	139.0	139.0
75°	965.3	939.9	584.0	62.0	41.3	61.2	96.9	120.8	104.9	135.9	135.1
77.5°	837.4	752.4	402.8	54.8	38.9	58.8	90.6	117.6	100.1	126.3	127.9
80°	537.1	463.2	205.8	47.7	41.3	56.4	87.4	108.8	93.0	112.8	113.6
82.5°	244.7	205.8	93.8	42.1	40.5	50.8	79.5	96.9	81.0	96.1	95.3
85°	103.3	104.9	73.9	35.8	35.8	39.7	58.8	75.5	62.8	67.5	65.9
87.5°	80.2	77.1	50.8	21.5	23.0	17.5	38.1	54.0	41.3	43.7	42.9
90°	85.0	83.4	54.0	22.2	16.7	10.3	28.6	42.1	31.0	27.8	27.0
92.5°	90.6	89.8	60.4	23.8	16.7	8.7	24.6	34.2	22.2	19.1	18.3
95°	96.9	96.9	65.9	25.4	16.7	8.7	22.2	26.2	16.7	12.7	11.9
97.5°	77.1	78.7	56.4	26.2	15.9	8.7	19.9	21.5	12.7	7.2	7.2
100°	31.0	34.2	31.0	26.2	14.3	7.2	15.9	16.7	8.7	4.0	4.0
102.5°	7.2	8.7	21.5	23.0	11.1	4.8	10.3	10.3	5.6	2.4	2.4
105°	7.2	6.4	14.3	18.3	6.4	3.2	4.8	6.4	3.2	1.6	1.6
107.5°	7.2	7.2	6.4	8.7	3.2	2.4	2.4	2.4	1.6	1.6	1.6
110°	7.9	7.2	3.2	3.2	2.4	2.4	1.6	1.6	0.8	4.8	5.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.5	8.7	4.0	3.2	2.4	2.4	1.6	1.6	2.4	7.9	7.9
115°	7.9	7.2	4.0	2.4	2.4	2.4	1.6	0.8	2.4	8.7	8.7
117.5°	7.2	6.4	4.0	2.4	1.6	2.4	1.6	0.8	2.4	8.7	8.7
120°	7.9	7.2	4.0	2.4	1.6	1.6	1.6	0.8	2.4	7.9	7.9
122.5°	7.9	7.9	4.8	1.6	1.6	0.8	1.6	0.8	2.4	7.2	7.2
125°	7.2	6.4	4.0	1.6	0.8	0.8	0.8	0.8	3.2	6.4	7.2
127.5°	6.4	5.6	3.2	1.6	0.8	0.8	0.8	0.8	2.4	4.8	5.6
130°	4.8	4.8	2.4	1.6	0.8	0.8	0.8	0.8	2.4	4.8	4.0
132.5°	3.2	3.2	2.4	1.6	0.8	0.8	0.8	0.8	2.4	3.2	3.2
135°	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	1.6	2.4	2.4
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	0.8	0.8	0.8	1.6	0.8	0.8	1.6	0.8	0.8	0.8
152.5°	0.8	0.8	0.8	1.6	0.8	0.8	0.8	0.8	2.4	2.4	1.6
155°	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	1.6	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.0	0.0	0.8	0.0
160°	0.0	0.0	0.8	0.8	0.8	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

(END OF REPORT)