

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: P560301

Luminaire Tested: **SDL-PA1-30-830-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-830-U-T3-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2107.3 lumens
Efficiency: N/A
Efficacy: 70.0 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: B0 - U2 - G1

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

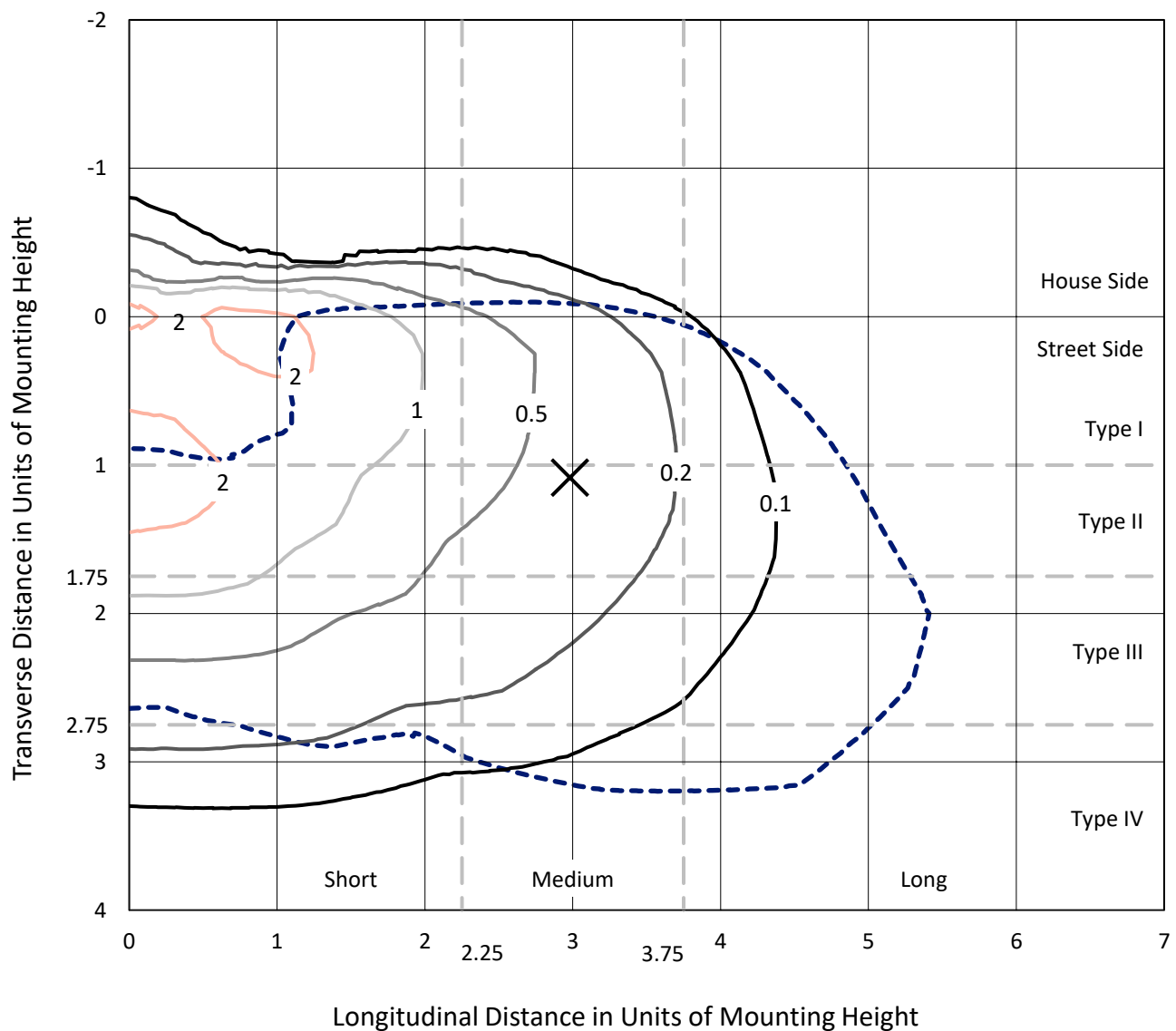


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

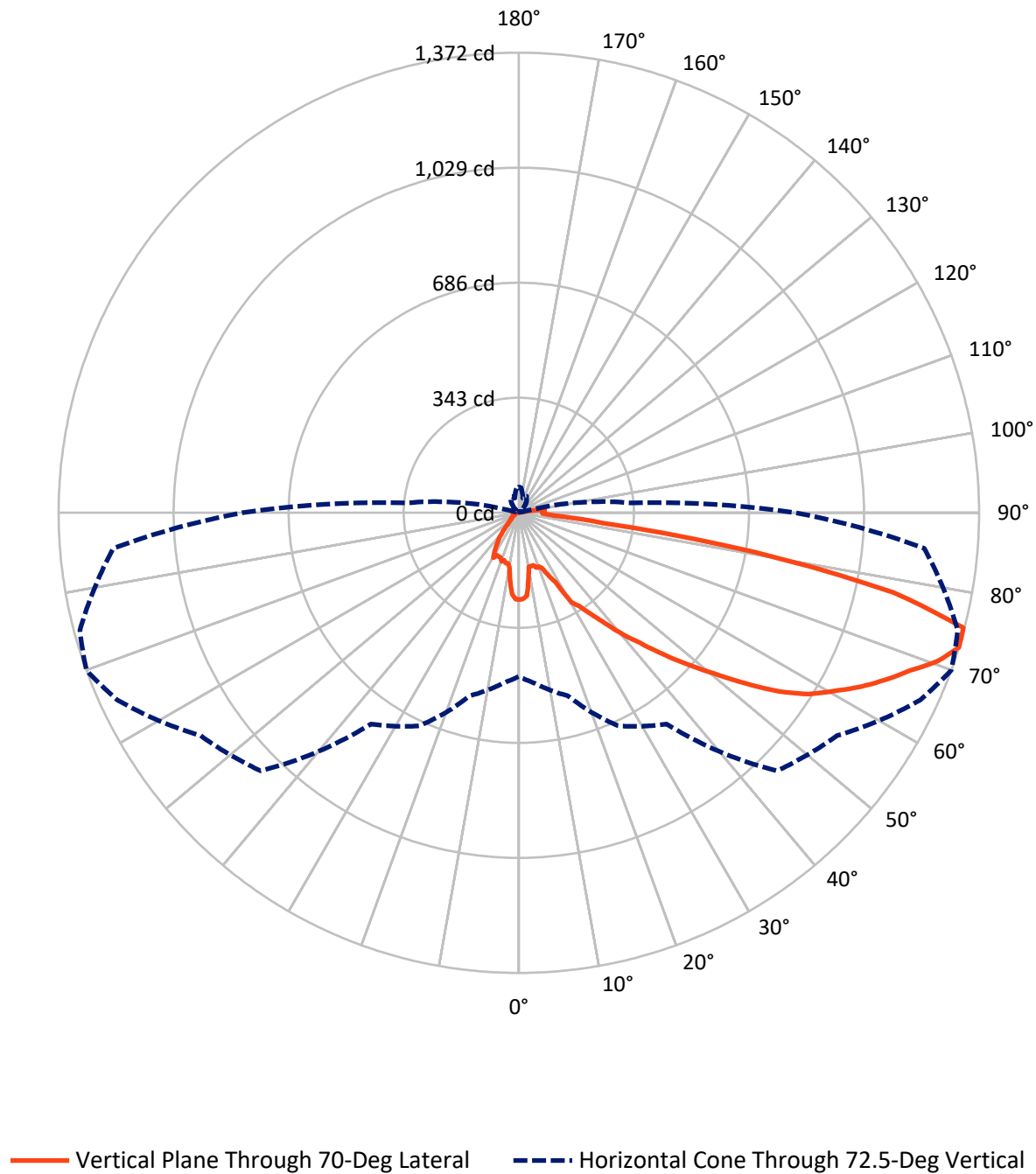


Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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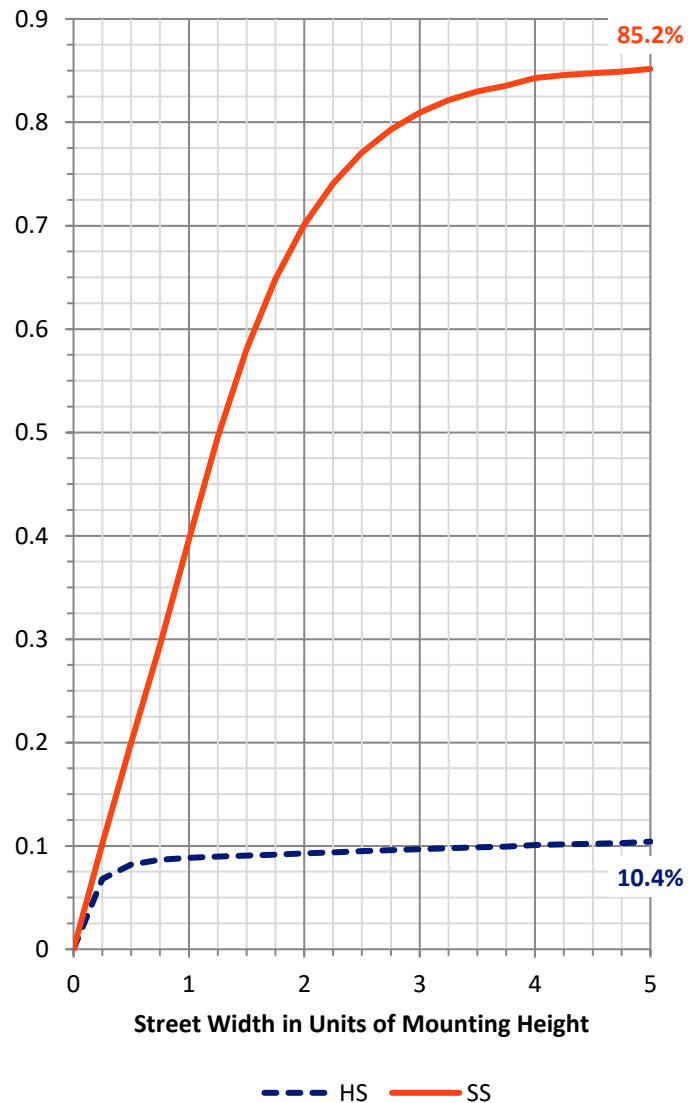
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	241.6	34.0	275.6
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	1804.2	27.5	1831.7
	% Fixture	85.6	1.3	86.9
Total	Lumens	2045.8	61.5	2107.3
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	0.9
10°-20°	39.5	1.9
20°-30°	63.9	3.0
30°-40°	136.6	6.5
40°-50°	268.5	12.7
50°-60°	448.4	21.3
60°-70°	556.5	26.4
70°-80°	428.6	20.3
80°-90°	83.8	4.0
90°-100°	45.5	2.2
100°-110°	9.4	0.4
110°-120°	2.7	0.1
120°-130°	2.1	0.1
130°-140°	1.0	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2045.8	97.1
0°-180°	2107.3	100.0

Coefficient of Utilization



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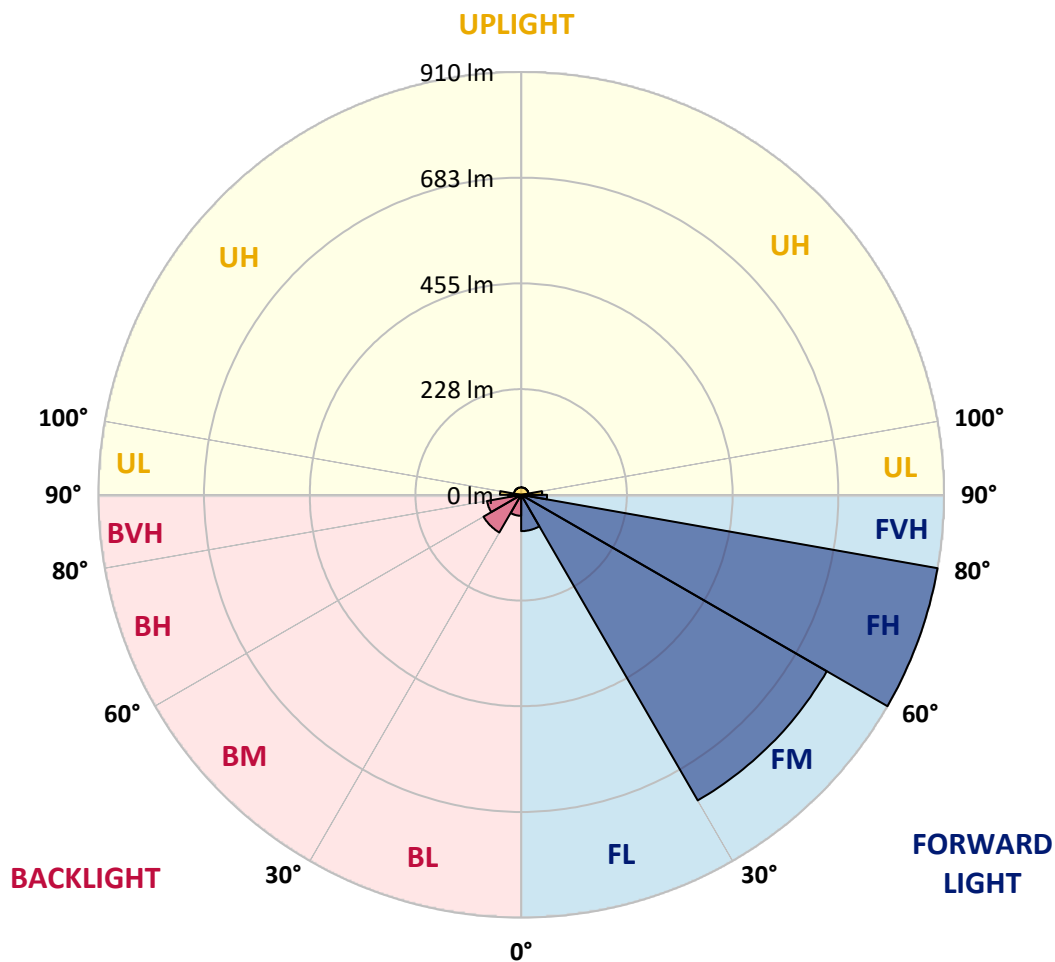
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	78.2	3.7			
FM	(30°-60°)	759.8	36.1			
FH	(60°-80°)	910.4	43.2			G1/1800
FVH	(80°-90°)	55.8	2.6			G1/100
BL	(0°-30°)	45.2	2.1	B0/110		
BM	(30°-60°)	93.7	4.4	B0/220		
BH	(60°-80°)	74.7	3.5	B0/110		G0/110
BVH	(80°-90°)	28.0	1.3			G1/100
UL	(90°-100°)	45.5	2.2		U2/50	
UH	(100°-180°)	16.0	0.8		U2/50	

BUG Rating: B0-U2-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8
2.5°	218.3	242.4	243.5	245.7	247.9	251.2	256.6	256.6	256.6	256.6	257.7
5°	207.3	207.3	207.3	209.5	209.5	211.7	212.8	245.7	249.0	252.3	252.3
7.5°	172.2	188.6	189.7	196.3	204.0	207.3	209.5	207.3	204.0	217.2	222.6
10°	188.6	188.6	188.6	190.8	179.9	174.4	161.2	162.3	163.4	173.3	197.4
12.5°	156.8	166.7	176.6	187.5	173.3	155.7	152.4	161.2	163.4	145.9	173.3
15°	183.2	182.1	182.1	172.2	143.7	155.7	136.0	143.7	162.3	177.7	206.2
17.5°	151.4	147.0	171.1	168.9	153.5	122.8	156.8	155.7	172.2	159.0	177.7
20°	179.9	178.8	178.8	138.2	152.4	165.6	163.4	152.4	171.1	190.8	224.8
22.5°	151.4	149.2	153.5	165.6	151.4	171.1	149.2	188.6	179.9	174.4	163.4
25°	190.8	189.7	189.7	151.4	171.1	156.8	188.6	172.2	208.4	227.0	247.9
27.5°	171.1	171.1	163.4	175.5	163.4	197.4	181.0	217.2	235.8	247.9	299.4
30°	236.9	238.0	224.8	174.4	182.1	185.4	213.9	268.7	309.3	338.9	370.7
32.5°	341.1	334.5	279.7	238.0	193.0	229.2	236.9	312.6	332.3	364.1	391.5
35°	463.9	460.6	412.4	308.2	232.5	245.7	264.3	340.0	370.7	402.5	419.0
37.5°	548.4	545.1	514.4	392.6	280.8	286.3	288.4	378.4	417.9	449.7	457.3
40°	617.5	612.0	593.3	458.4	345.5	334.5	323.5	431.0	476.0	502.3	505.6
42.5°	721.7	712.9	665.7	534.1	411.3	399.2	361.9	477.1	530.8	565.9	568.1
45°	846.7	839.0	773.2	639.4	481.5	478.2	429.9	536.3	599.9	641.6	629.5
47.5°	932.2	911.4	874.1	740.3	590.1	561.5	505.6	596.6	674.5	737.0	703.0
50°	1010.1	994.8	962.9	852.2	707.4	669.0	584.6	665.7	753.5	810.5	764.4
52.5°	1082.5	1059.5	1033.1	935.5	808.3	789.7	662.4	734.8	844.5	891.7	828.0
55°	1118.7	1082.5	1078.1	1011.2	886.2	870.8	750.2	820.4	939.9	972.8	888.4
57.5°	1059.5	1058.4	1092.4	1057.3	949.8	942.1	839.0	912.5	1020.0	1035.3	947.6
60°	1020.0	1021.1	1072.6	1074.8	1005.7	1010.1	919.1	1018.9	1079.2	1089.1	1003.5
62.5°	950.9	958.6	1036.4	1086.9	1020.0	1074.8	987.1	1092.4	1142.8	1146.1	1072.6
65°	864.2	871.9	950.9	1054.0	1004.6	1117.6	1044.1	1174.6	1200.9	1203.1	1148.3
67.5°	763.3	766.6	854.4	968.4	967.3	1132.9	1079.2	1229.5	1256.9	1263.5	1213.0
70°	651.5	647.1	727.1	858.8	887.3	1125.3	1122.0	1283.2	1324.9	1323.8	1258.0
72.5°	488.1	508.9	564.8	700.8	768.8	1088.0	1158.2	1320.5	1372.0	1354.5	1213.0
75°	166.7	177.7	329.0	446.4	592.2	988.2	1165.8	1322.7	1368.7	1290.9	992.6
77.5°	54.8	51.5	73.5	177.7	329.0	684.4	1025.5	1153.8	1141.7	1003.5	609.8
80°	26.3	27.4	32.9	62.5	120.6	310.4	643.8	730.4	714.0	526.4	264.3
82.5°	17.5	18.6	21.9	36.2	68.0	106.4	342.2	333.4	252.3	165.6	108.6
85°	7.7	7.7	11.0	18.6	41.7	70.2	130.5	114.1	103.1	95.4	88.8
87.5°	2.2	2.2	4.4	6.6	14.3	43.9	73.5	69.1	71.3	74.6	84.4
90°	2.2	2.2	2.2	2.2	11.0	46.1	74.6	70.2	70.2	74.6	88.8
92.5°	3.3	3.3	2.2	2.2	9.9	46.1	77.9	66.9	71.3	75.7	95.4
95°	3.3	4.4	2.2	1.1	7.7	47.2	80.1	71.3	77.9	76.8	102.0
97.5°	4.4	4.4	2.2	1.1	4.4	40.6	81.2	58.1	59.2	54.8	80.1
100°	5.5	5.5	2.2	2.2	3.3	20.8	60.3	37.3	23.0	17.5	26.3
102.5°	6.6	6.6	2.2	2.2	2.2	7.7	27.4	21.9	12.1	3.3	6.6
105°	6.6	7.7	2.2	2.2	1.1	3.3	12.1	8.8	4.4	3.3	6.6
107.5°	7.7	7.7	2.2	2.2	1.1	2.2	3.3	3.3	2.2	3.3	6.6
110°	7.7	7.7	3.3	2.2	1.1	2.2	1.1	2.2	2.2	3.3	7.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	5.5	5.5	2.2	3.3	1.1	1.1	1.1	2.2	2.2	3.3	6.6
115°	3.3	2.2	1.1	2.2	1.1	1.1	1.1	2.2	2.2	2.2	5.5
117.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	3.3	6.6
120°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	4.4	7.7
122.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	4.4	8.8
125°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.3	7.7
127.5°	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1	2.2	3.3	6.6
130°	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1	2.2	4.4
132.5°	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1	2.2	4.4
135°	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.2
137.5°	1.1	1.1	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
140°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
142.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
145°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
147.5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
152.5°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	2.2	2.2	1.1	1.1
155°	1.1	1.1	1.1	0.0	0.0	1.1	1.1	1.1	1.1	2.2	2.2
157.5°	0.0	1.1	1.1	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1
160°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1
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°	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8
2.5°	257.7	257.7	256.6	258.8	257.7	257.7	243.5	229.2	225.9	227.0	229.2
5°	253.3	253.3	253.3	235.8	216.1	209.5	211.7	211.7	211.7	210.6	212.8
7.5°	223.7	222.6	219.3	199.6	208.4	207.3	206.2	204.0	177.7	171.1	171.1
10°	198.5	198.5	170.0	162.3	162.3	168.9	173.3	166.7	163.4	157.9	156.8
12.5°	174.4	174.4	145.9	162.3	137.1	136.0	132.7	121.7	103.1	89.9	91.0
15°	207.3	207.3	172.2	138.2	115.2	108.6	68.0	63.6	61.4	60.3	59.2
17.5°	176.6	177.7	159.0	137.1	107.5	57.0	48.3	48.3	48.3	46.1	41.7
20°	223.7	223.7	185.4	122.8	81.2	45.0	37.3	32.9	45.0	45.0	45.0
22.5°	162.3	160.1	163.4	125.0	50.5	36.2	30.7	38.4	40.6	34.0	34.0
25°	245.7	242.4	198.5	89.9	41.7	28.5	34.0	29.6	38.4	38.4	38.4
27.5°	302.7	280.8	201.8	82.3	30.7	32.9	27.4	32.9	29.6	28.5	28.5
30°	364.1	354.2	243.5	64.7	29.6	27.4	28.5	26.3	30.7	28.5	28.5
32.5°	383.9	374.0	220.4	50.5	28.5	26.3	24.1	25.2	24.1	25.2	25.2
35°	409.1	399.2	195.2	38.4	26.3	23.0	21.9	21.9	20.8	19.7	19.7
37.5°	445.3	428.8	166.7	32.9	24.1	20.8	17.5	16.5	17.5	21.9	23.0
40°	487.0	459.5	131.6	29.6	20.8	17.5	13.2	15.4	18.6	18.6	18.6
42.5°	547.3	496.8	97.6	27.4	18.6	14.3	9.9	12.1	14.3	19.7	19.7
45°	599.9	518.8	69.1	25.2	15.4	11.0	7.7	12.1	15.4	17.5	17.5
47.5°	661.3	539.6	51.5	24.1	14.3	7.7	8.8	12.1	12.1	18.6	18.6
50°	712.9	544.0	41.7	21.9	11.0	5.5	11.0	11.0	13.2	16.5	16.5
52.5°	761.1	548.4	37.3	19.7	8.8	4.4	11.0	11.0	15.4	19.7	19.7
55°	792.9	535.2	34.0	17.5	7.7	3.3	12.1	12.1	12.1	15.4	15.4
57.5°	818.2	518.8	31.8	15.4	6.6	6.6	13.2	15.4	13.2	15.4	15.4
60°	834.6	489.1	27.4	14.3	5.5	6.6	16.5	19.7	15.4	23.0	23.0
62.5°	864.2	466.1	24.1	13.2	4.4	6.6	16.5	25.2	19.7	30.7	31.8
65°	888.4	445.3	20.8	9.9	4.4	8.8	18.6	31.8	24.1	38.4	39.5
67.5°	898.2	420.1	17.5	8.8	4.4	9.9	24.1	39.5	30.7	45.0	45.0
70°	890.6	393.7	14.3	8.8	4.4	15.4	31.8	46.1	37.3	54.8	55.9
72.5°	823.7	335.6	11.0	8.8	3.3	16.5	39.5	54.8	45.0	74.6	76.8
75°	630.6	212.8	11.0	8.8	4.4	18.6	46.1	63.6	53.7	83.4	86.6
77.5°	385.0	98.7	11.0	9.9	5.5	23.0	50.5	73.5	59.2	89.9	92.1
80°	171.1	61.4	11.0	11.0	11.0	28.5	59.2	81.2	66.9	95.4	98.7
82.5°	85.5	46.1	9.9	11.0	16.5	34.0	70.2	86.6	69.1	98.7	99.8
85°	73.5	41.7	9.9	12.1	17.5	39.5	75.7	87.7	72.4	97.6	98.7
87.5°	70.2	39.5	12.1	12.1	19.7	41.7	77.9	92.1	74.6	94.3	93.2
90°	73.5	38.4	13.2	14.3	25.2	42.8	79.0	89.9	74.6	88.8	88.8
92.5°	75.7	37.3	14.3	16.5	30.7	48.3	77.9	87.7	74.6	82.3	82.3
95°	77.9	37.3	16.5	18.6	30.7	52.6	74.6	80.1	69.1	73.5	72.4
97.5°	59.2	27.4	19.7	20.8	28.5	40.6	60.3	62.5	45.0	43.9	42.8
100°	20.8	12.1	19.7	23.0	17.5	17.5	36.2	43.9	26.3	16.5	18.6
102.5°	6.6	5.5	17.5	23.0	14.3	6.6	18.6	27.4	19.7	2.2	2.2
105°	6.6	6.6	9.9	18.6	9.9	2.2	6.6	15.4	12.1	2.2	2.2
107.5°	6.6	5.5	4.4	11.0	3.3	2.2	3.3	3.3	3.3	1.1	2.2
110°	7.7	5.5	2.2	3.3	2.2	2.2	2.2	2.2	2.2	4.4	4.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.7	5.5	2.2	3.3	2.2	2.2	2.2	1.1	2.2	5.5	6.6
115°	6.6	5.5	2.2	2.2	2.2	2.2	1.1	1.1	2.2	6.6	6.6
117.5°	7.7	6.6	2.2	2.2	1.1	2.2	1.1	1.1	2.2	6.6	7.7
120°	8.8	7.7	2.2	2.2	1.1	1.1	1.1	1.1	2.2	5.5	6.6
122.5°	8.8	8.8	2.2	1.1	1.1	1.1	1.1	1.1	3.3	5.5	5.5
125°	7.7	7.7	2.2	1.1	1.1	1.1	1.1	1.1	3.3	5.5	5.5
127.5°	6.6	6.6	2.2	1.1	1.1	1.1	1.1	1.1	2.2	4.4	5.5
130°	5.5	5.5	2.2	1.1	1.1	1.1	0.0	1.1	2.2	4.4	4.4
132.5°	4.4	3.3	2.2	1.1	1.1	1.1	0.0	1.1	2.2	3.3	4.4
135°	3.3	3.3	1.1	1.1	1.1	1.1	0.0	0.0	2.2	2.2	3.3
137.5°	2.2	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	2.2	2.2
140°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1
142.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1
145°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1
147.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1
150°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1
152.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1
155°	2.2	2.2	2.2	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1
157.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.1	1.1	1.1	1.1	1.1	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)