

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: P560305

Luminaire Tested: **SDL-PA1-30-830-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
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-T4W-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2049.1 lumens
Efficiency: N/A
Efficacy: 68.1 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

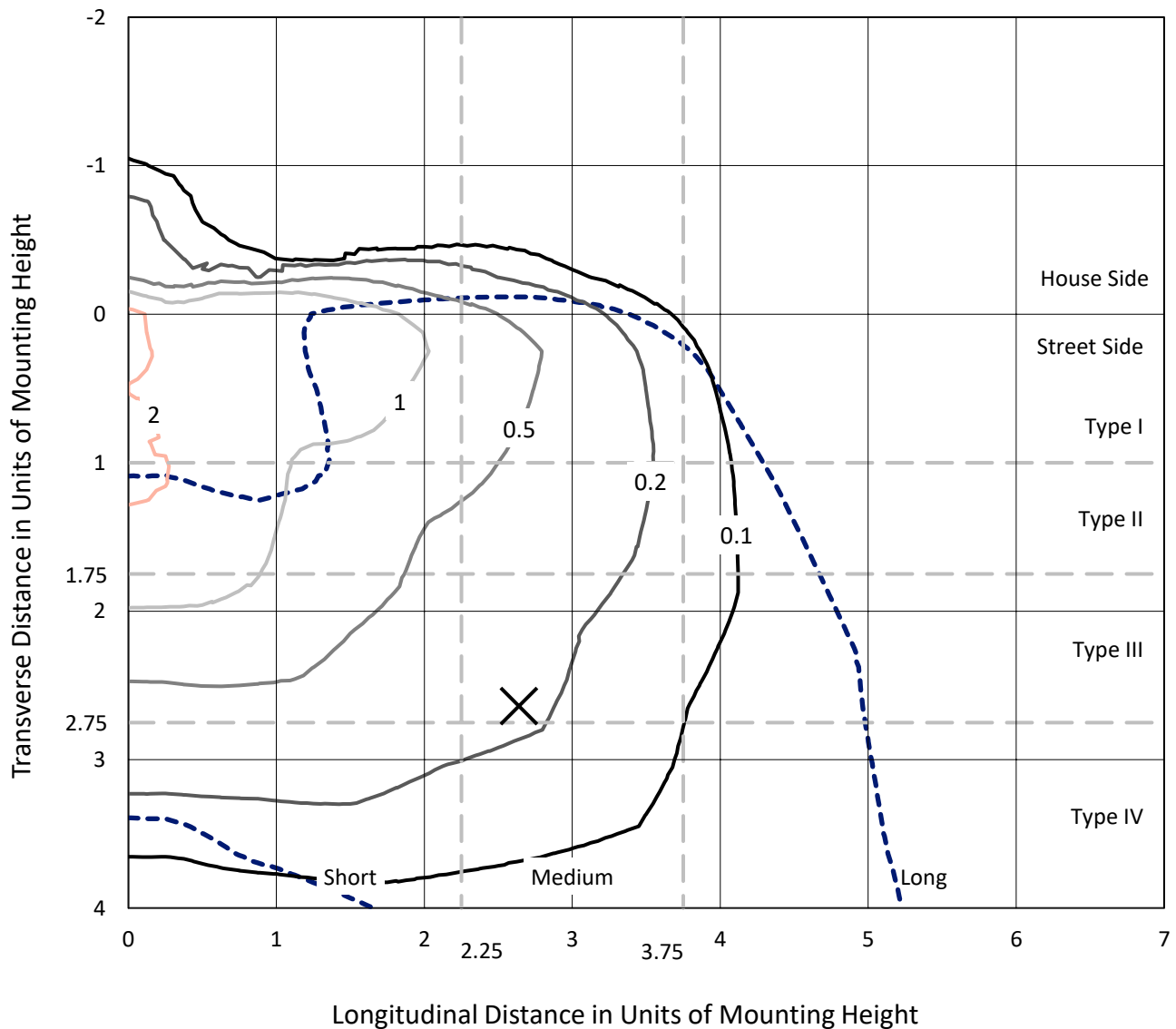


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

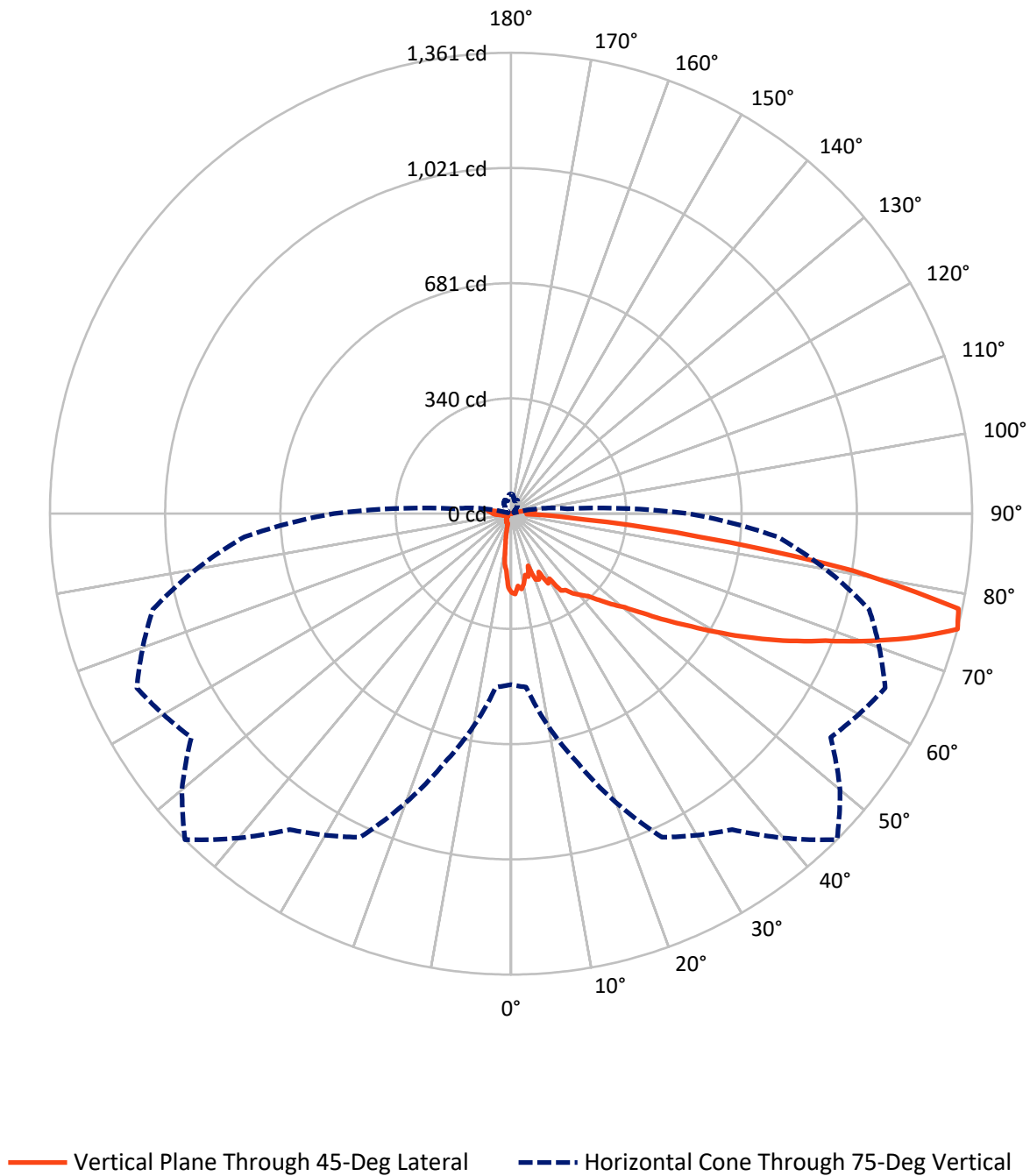


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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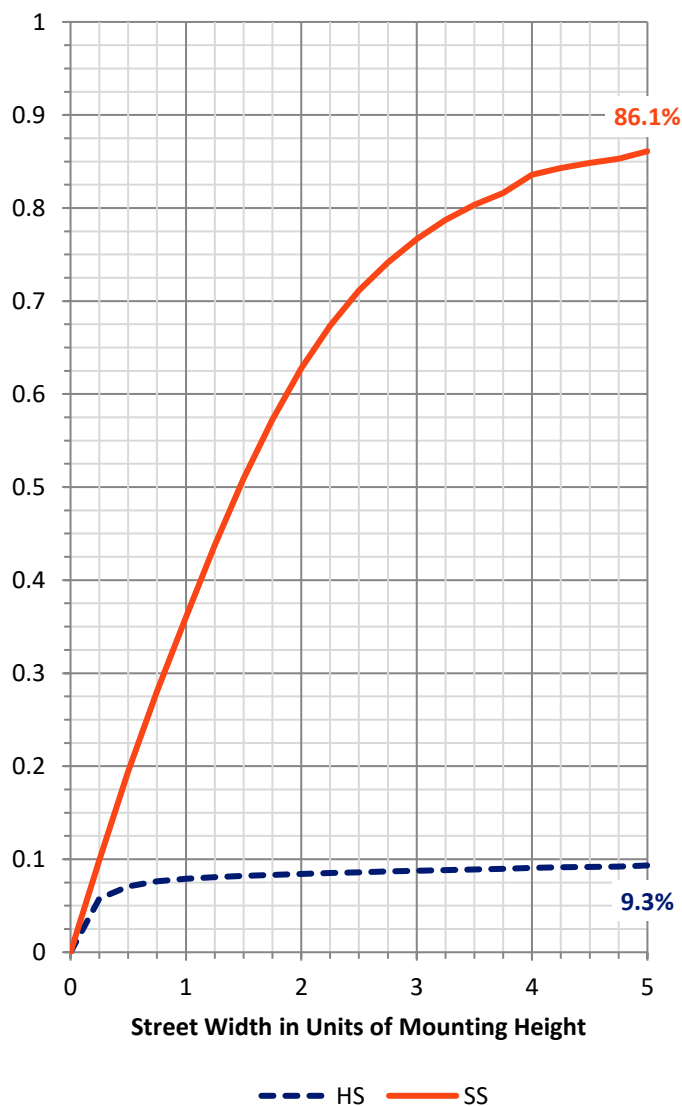
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	210.3	36.8	247.1
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	1773.6	28.4	1802.1
	% Fixture	86.6	1.4	87.9
Total	Lumens	1983.9	65.2	2049.1
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.1	0.9
10°-20°	39.2	1.9
20°-30°	65.8	3.2
30°-40°	122.0	6.0
40°-50°	205.5	10.0
50°-60°	368.9	18.0
60°-70°	553.9	27.0
70°-80°	506.8	24.7
80°-90°	103.6	5.1
90°-100°	49.6	2.4
100°-110°	10.6	0.5
110°-120°	2.0	0.1
120°-130°	1.6	0.1
130°-140°	0.7	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1983.9	96.8
0°-180°	2049.1	100.0

Coefficient of Utilization



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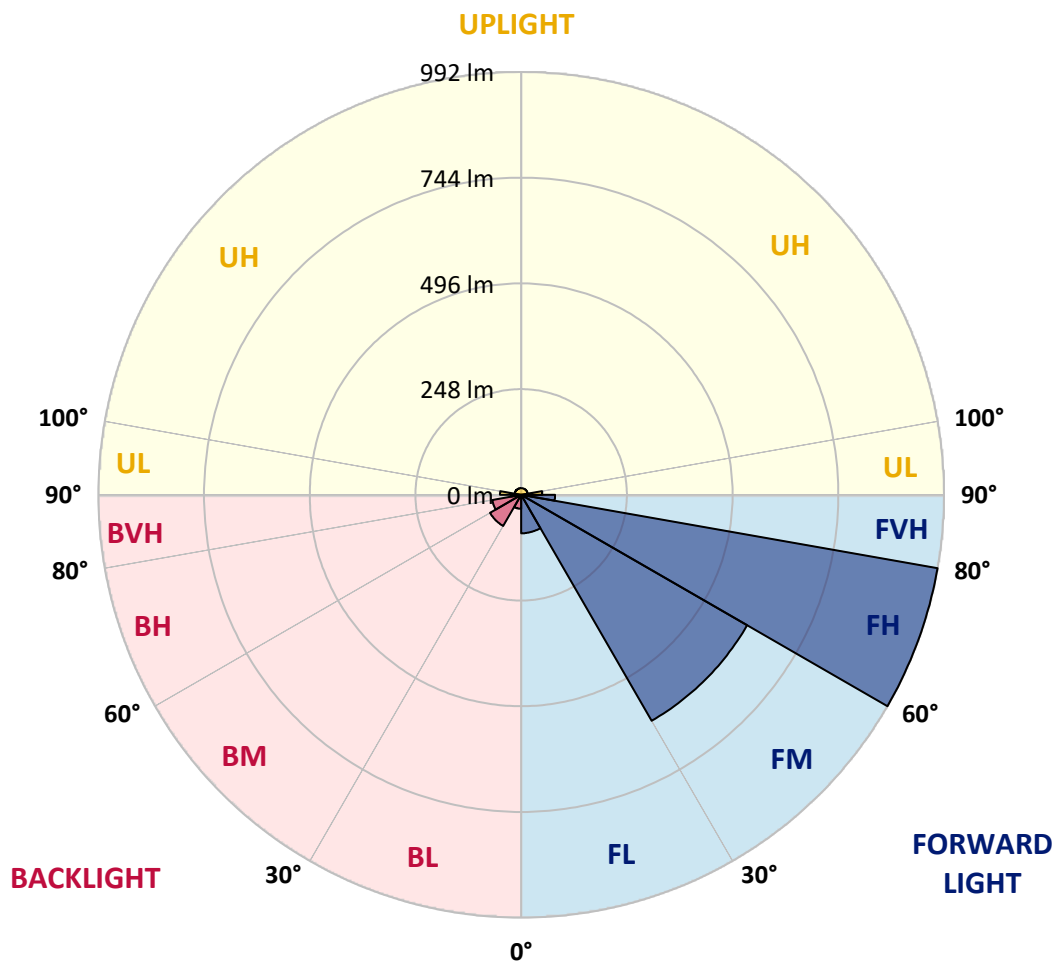
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	90.3	4.4			
FM	(30°-60°)	612.1	29.9			
FH	(60°-80°)	991.8	48.4			G1/1800
FVH	(80°-90°)	79.5	3.9			G1/100
BL	(0°-30°)	32.8	1.6	B0/110		
BM	(30°-60°)	84.4	4.1	B0/220		
BH	(60°-80°)	68.9	3.4	B0/110		G0/110
BVH	(80°-90°)	24.2	1.2			G1/100
UL	(90°-100°)	49.6	2.4		U2/50	
UH	(100°-180°)	15.7	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°	50°	55°	65°	75°	85°
0°	233.5	233.5	233.5	233.5	233.5	233.5	233.5	233.5	233.5	233.5	233.5
2.5°	226.9	237.9	234.6	240.1	239.0	237.9	237.9	239.0	237.9	235.7	233.5
5°	231.3	228.0	225.8	224.7	220.3	214.8	212.7	210.5	233.5	233.5	229.1
7.5°	237.9	237.9	233.5	230.2	230.2	224.7	219.2	214.8	203.9	200.6	200.6
10°	253.2	251.0	247.7	241.2	208.3	209.4	197.3	173.2	162.2	166.6	173.2
12.5°	256.5	255.4	251.0	249.9	219.2	186.3	154.6	173.2	165.5	138.1	153.5
15°	275.1	272.9	264.2	248.8	187.4	192.9	179.8	154.6	148.0	168.8	180.9
17.5°	234.6	234.6	263.1	241.2	203.9	162.2	161.1	179.8	162.2	151.3	150.2
20°	288.3	288.3	276.2	197.3	209.4	207.2	166.6	188.5	158.9	179.8	191.8
22.5°	240.1	239.0	247.7	244.4	200.6	211.6	171.0	172.1	189.6	162.2	139.2
25°	292.7	292.7	286.1	212.7	228.0	190.7	195.1	206.1	168.8	205.0	207.2
27.5°	252.1	251.0	239.0	243.3	212.7	233.5	177.6	194.0	207.2	221.4	243.3
30°	308.0	310.2	304.7	231.3	236.8	222.5	211.6	224.7	251.0	294.9	309.1
32.5°	380.4	382.6	324.5	278.4	237.9	270.7	226.9	247.7	288.3	309.1	324.5
35°	423.1	406.7	381.5	311.3	256.5	277.3	260.9	264.2	300.3	333.2	344.2
37.5°	459.3	437.4	407.8	321.2	270.7	299.2	271.8	276.2	325.6	355.2	369.4
40°	471.3	458.2	441.7	343.1	288.3	315.7	285.0	294.9	349.7	383.7	405.6
42.5°	500.9	502.0	492.2	373.8	306.9	333.2	306.9	313.5	381.5	423.1	454.9
45°	579.9	582.1	571.1	426.4	329.9	363.9	342.0	345.3	417.6	483.4	524.0
47.5°	680.7	673.0	662.1	496.6	365.0	399.0	382.6	379.3	460.4	562.3	598.5
50°	782.6	768.4	745.4	593.0	425.3	435.2	424.2	422.0	511.9	643.4	682.9
52.5°	889.0	878.0	829.8	684.0	515.2	487.8	475.7	487.8	578.8	733.3	769.5
55°	944.9	933.9	903.2	781.6	601.8	555.7	534.9	556.8	681.8	817.7	864.9
57.5°	990.9	987.6	973.4	883.5	707.0	628.1	607.3	628.1	764.0	896.6	952.6
60°	1056.7	1043.5	1056.7	982.1	809.0	716.9	688.4	710.3	864.9	965.7	1049.0
62.5°	1103.8	1100.5	1126.8	1092.9	894.5	810.1	768.4	789.2	953.6	1039.1	1144.4
65°	1053.4	1069.8	1175.1	1165.2	990.9	905.4	861.6	855.0	1026.0	1118.1	1246.3
67.5°	963.5	974.5	1127.9	1202.5	1075.3	1001.9	949.3	918.6	1092.9	1189.3	1327.4
70°	878.0	891.2	1031.5	1204.7	1115.9	1125.7	1052.3	995.3	1159.7	1269.3	1345.0
72.5°	810.1	822.1	948.2	1178.4	1130.1	1249.6	1165.2	1076.4	1224.4	1271.5	1175.1
75°	505.3	514.1	762.9	1054.5	1138.9	1361.4	1268.2	1152.1	1218.9	1095.1	790.3
77.5°	155.7	158.9	326.7	696.1	989.8	1350.5	1250.7	1083.0	1021.6	695.0	360.6
80°	53.7	54.8	84.4	247.7	591.9	1024.9	953.6	796.9	610.6	256.5	135.9
82.5°	25.2	27.4	39.5	83.3	241.2	560.1	563.4	473.5	256.5	114.0	92.1
85°	8.8	8.8	16.4	36.2	93.2	215.9	205.0	190.7	134.8	103.0	85.5
87.5°	3.3	3.3	5.5	9.9	23.0	46.0	58.1	71.2	71.2	72.3	86.6
90°	3.3	3.3	2.2	2.2	16.4	48.2	58.1	64.7	59.2	65.8	94.3
92.5°	3.3	3.3	2.2	2.2	17.5	55.9	64.7	70.2	62.5	70.2	104.1
95°	3.3	3.3	2.2	2.2	19.7	68.0	75.6	74.5	62.5	73.4	111.8
97.5°	4.4	4.4	2.2	1.1	17.5	72.3	81.1	78.9	53.7	55.9	87.7
100°	4.4	4.4	2.2	1.1	11.0	53.7	64.7	63.6	35.1	8.8	25.2
102.5°	4.4	4.4	2.2	1.1	2.2	25.2	30.7	31.8	20.8	3.3	4.4
105°	5.5	5.5	2.2	1.1	1.1	4.4	9.9	13.2	7.7	2.2	4.4
107.5°	5.5	5.5	2.2	1.1	1.1	2.2	2.2	3.3	3.3	2.2	5.5
110°	5.5	5.5	2.2	2.2	1.1	1.1	1.1	1.1	2.2	2.2	5.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	4.4	4.4	1.1	2.2	1.1	1.1	1.1	1.1	1.1	2.2	5.5
115°	2.2	2.2	1.1	1.1	0.0	1.1	1.1	1.1	1.1	2.2	4.4
117.5°	1.1	1.1	0.0	1.1	0.0	1.1	1.1	1.1	2.2	2.2	5.5
120°	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	3.3	6.6
122.5°	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	3.3	6.6
125°	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	3.3	6.6
127.5°	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	3.3	5.5
130°	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2	4.4
132.5°	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2	3.3
135°	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	3.3	3.3	2.2	1.1	0.0	0.0	1.1	1.1	1.1	1.1	1.1
152.5°	2.2	2.2	3.3	1.1	0.0	0.0	1.1	1.1	2.2	1.1	1.1
155°	2.2	2.2	1.1	0.0	0.0	0.0	0.0	1.1	1.1	2.2	2.2
157.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	233.5	233.5	233.5	233.5	233.5	233.5	233.5	233.5	233.5	233.5	233.5
2.5°	231.3	230.2	226.9	224.7	221.4	218.1	201.7	191.8	190.7	189.6	190.7
5°	226.9	223.6	218.1	192.9	180.9	169.9	166.6	164.4	158.9	158.9	160.0
7.5°	196.2	194.0	176.5	168.8	158.9	149.1	140.3	133.7	117.3	111.8	109.6
10°	172.1	167.7	137.0	121.7	111.8	100.8	100.8	92.1	87.7	84.4	83.3
12.5°	149.1	145.8	120.6	110.7	83.3	72.3	66.9	61.4	58.1	55.9	54.8
15°	174.3	168.8	129.3	88.8	61.4	51.5	40.6	39.5	49.3	51.5	52.6
17.5°	139.2	142.5	115.1	77.8	50.4	31.8	35.1	41.7	47.1	47.1	46.0
20°	185.2	177.6	125.0	62.5	36.2	31.8	34.0	30.7	43.8	47.1	47.1
22.5°	134.8	128.2	103.0	58.1	28.5	30.7	28.5	36.2	40.6	36.2	37.3
25°	200.6	190.7	119.5	40.6	29.6	26.3	32.9	28.5	39.5	42.7	43.8
27.5°	248.8	215.9	117.3	38.4	26.3	29.6	27.4	32.9	31.8	34.0	34.0
30°	297.1	278.4	132.6	35.1	26.3	25.2	28.5	28.5	36.2	39.5	39.5
32.5°	317.9	296.0	116.2	34.0	26.3	25.2	25.2	30.7	34.0	40.6	40.6
35°	339.8	310.2	97.6	31.8	25.2	24.1	24.1	30.7	36.2	40.6	41.7
37.5°	369.4	325.6	78.9	30.7	24.1	23.0	20.8	27.4	38.4	42.7	43.8
40°	406.7	347.5	61.4	28.5	21.9	20.8	19.7	27.4	32.9	38.4	38.4
42.5°	464.8	371.6	48.2	27.4	20.8	18.6	18.6	23.0	31.8	36.2	36.2
45°	524.0	400.1	40.6	26.3	19.7	17.5	17.5	23.0	24.1	30.7	30.7
47.5°	589.7	428.6	37.3	25.2	19.7	15.3	15.3	20.8	20.8	28.5	29.6
50°	657.7	452.7	35.1	24.1	17.5	14.2	17.5	14.2	17.5	27.4	29.6
52.5°	716.9	472.4	32.9	21.9	16.4	13.2	16.4	14.2	17.5	25.2	25.2
55°	777.2	483.4	31.8	20.8	15.3	11.0	16.4	15.3	16.4	23.0	23.0
57.5°	830.9	486.7	30.7	20.8	13.2	9.9	15.3	18.6	14.2	18.6	20.8
60°	879.1	483.4	27.4	18.6	9.9	9.9	16.4	21.9	19.7	21.9	21.9
62.5°	924.1	471.3	21.9	15.3	7.7	9.9	20.8	24.1	18.6	23.0	25.2
65°	962.4	454.9	16.4	12.1	5.5	11.0	21.9	27.4	21.9	26.3	28.5
67.5°	980.0	433.0	13.2	9.9	5.5	12.1	23.0	30.7	25.2	29.6	31.8
70°	950.4	388.0	11.0	9.9	4.4	14.2	24.1	32.9	28.5	37.3	38.4
72.5°	789.2	304.7	9.9	9.9	7.7	17.5	30.7	37.3	35.1	50.4	49.3
75°	522.9	166.6	9.9	8.8	9.9	20.8	37.3	43.8	38.4	57.0	57.0
77.5°	241.2	73.4	8.8	9.9	11.0	23.0	42.7	52.6	43.8	64.7	63.6
80°	105.2	44.9	8.8	8.8	12.1	25.2	48.2	59.2	48.2	71.2	71.2
82.5°	78.9	40.6	7.7	8.8	16.4	28.5	55.9	65.8	53.7	76.7	75.6
85°	73.4	38.4	8.8	9.9	18.6	36.2	65.8	71.2	55.9	78.9	78.9
87.5°	74.5	37.3	8.8	9.9	25.2	46.0	74.5	76.7	61.4	83.3	83.3
90°	76.7	38.4	9.9	11.0	28.5	50.4	83.3	82.2	69.1	87.7	87.7
92.5°	82.2	38.4	11.0	12.1	30.7	55.9	91.0	84.4	74.5	91.0	88.8
95°	85.5	38.4	12.1	13.2	36.2	61.4	96.5	82.2	78.9	84.4	82.2
97.5°	63.6	28.5	14.2	15.3	37.3	69.1	88.8	70.2	51.5	50.4	51.5
100°	20.8	9.9	15.3	16.4	24.1	48.2	65.8	50.4	27.4	20.8	20.8
102.5°	5.5	5.5	14.2	15.3	13.2	20.8	38.4	32.9	18.6	1.1	2.2
105°	5.5	4.4	8.8	12.1	7.7	5.5	15.3	18.6	14.2	1.1	1.1
107.5°	5.5	4.4	4.4	6.6	2.2	2.2	4.4	4.4	4.4	1.1	1.1
110°	5.5	4.4	2.2	2.2	2.2	2.2	2.2	1.1	1.1	2.2	2.2

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CANDELA DISTRIBUTION (continued):

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