

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: P560283

Luminaire Tested: **SDL-PA1-30-827-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560283
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-PA1-30-827-U-T4W-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 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: 1895.6 lumens
Efficiency: N/A
Efficacy: 63.0 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



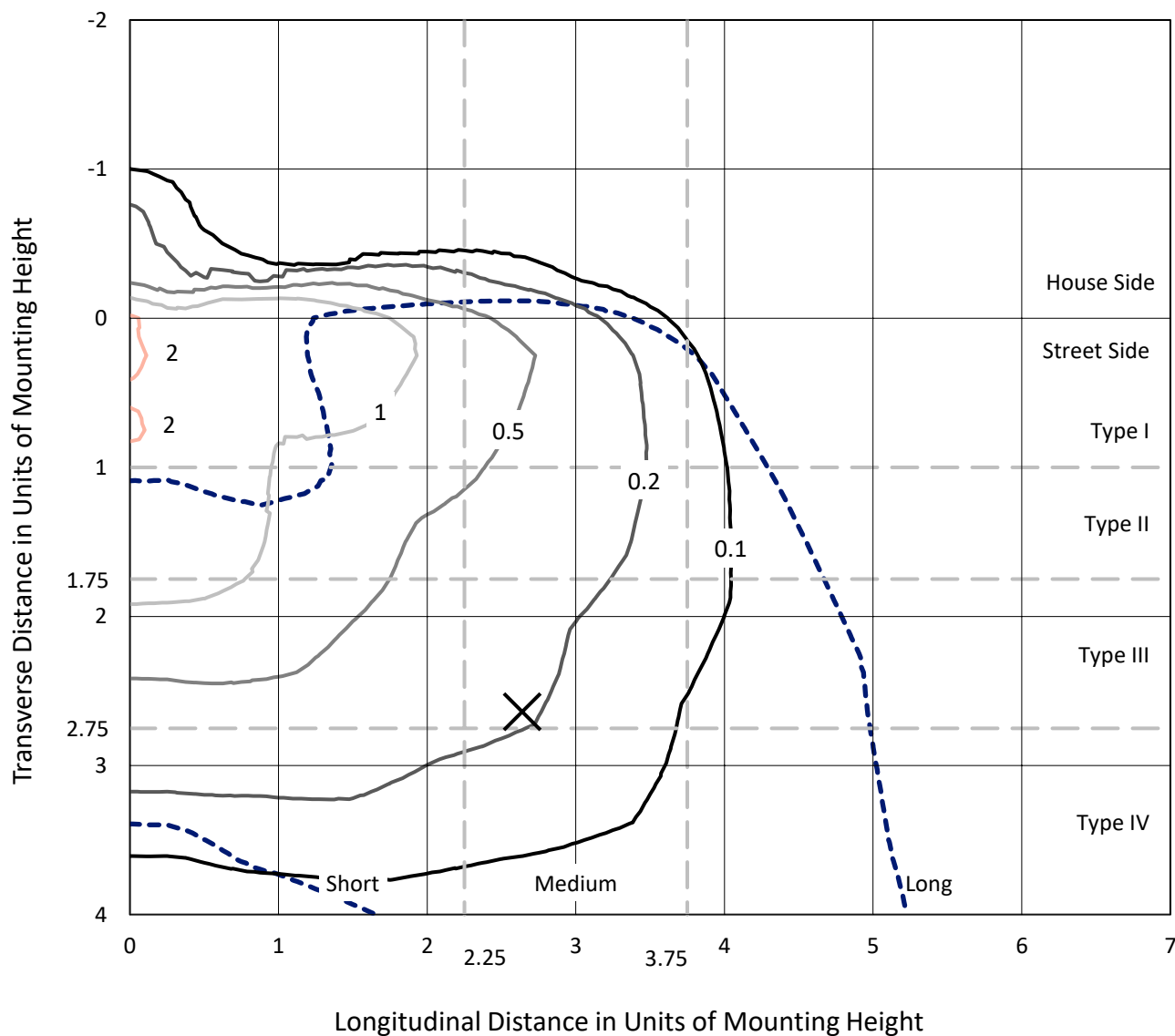
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

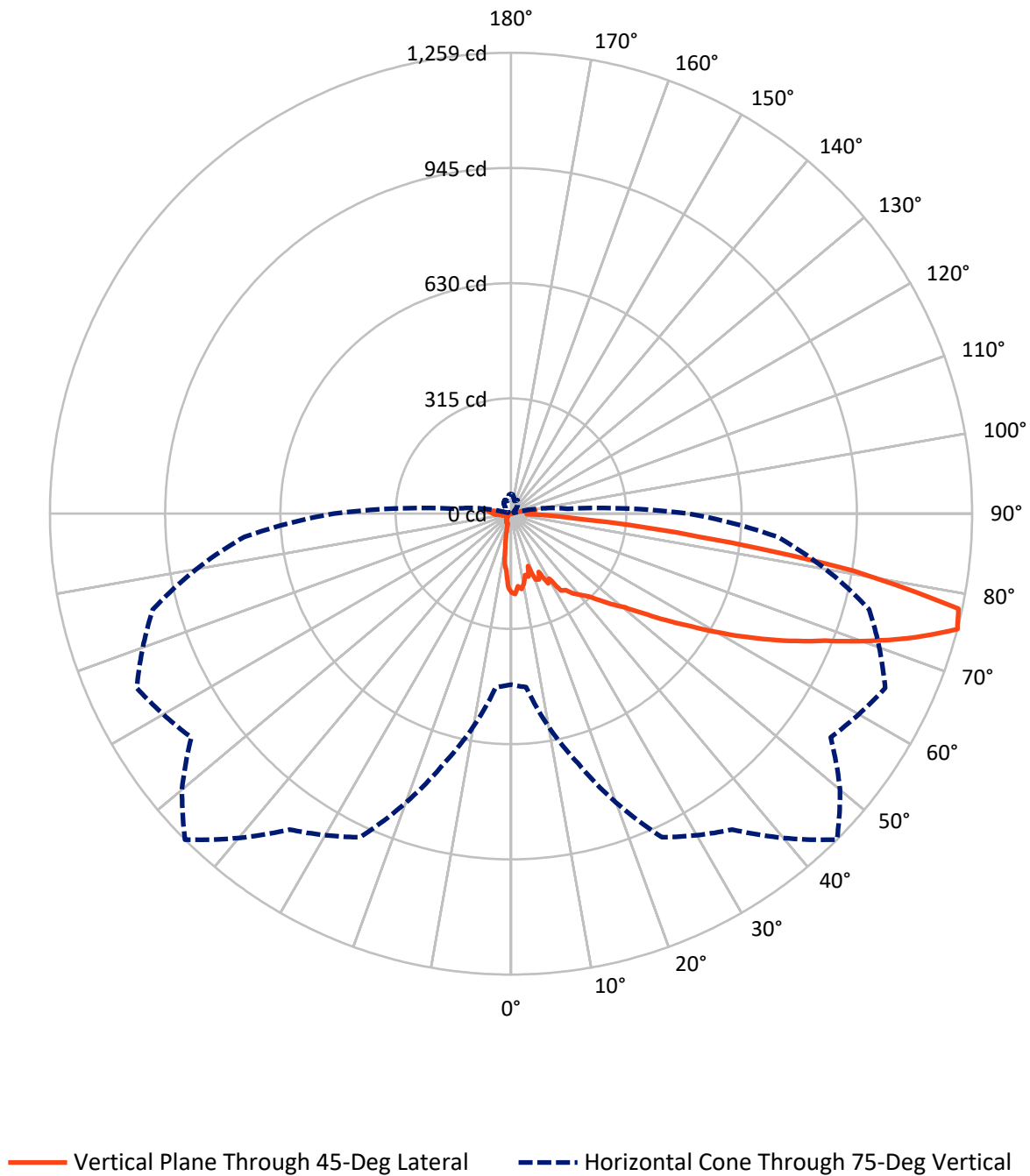


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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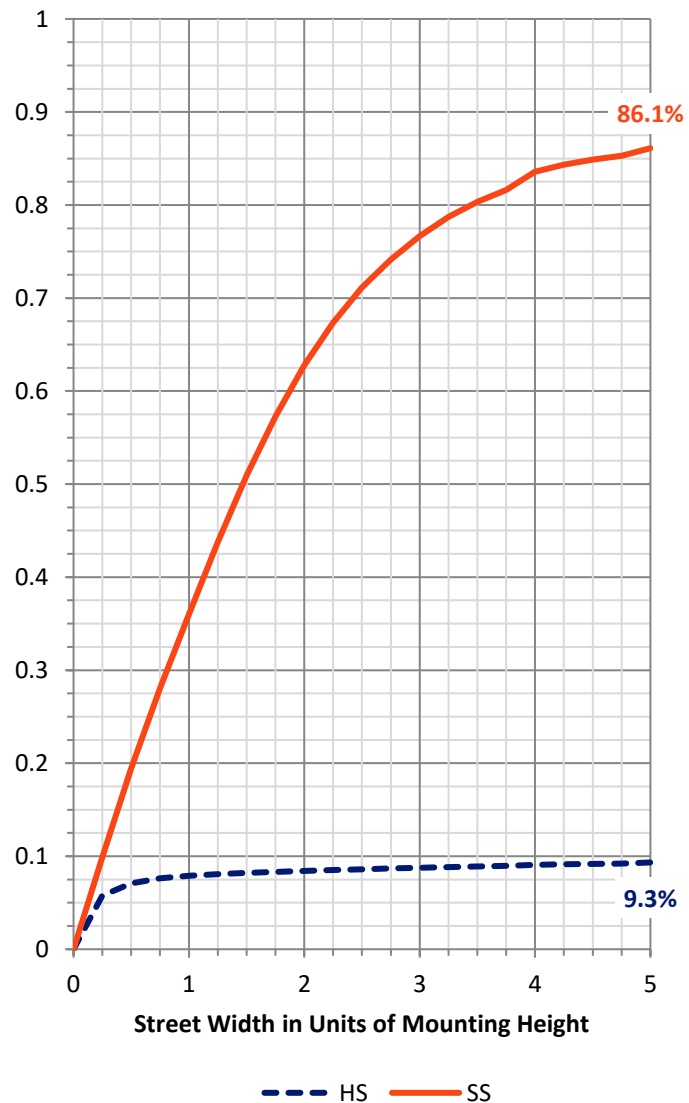
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	194.5	34.0	228.5
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	1640.8	26.3	1667.0
	% Fixture	86.6	1.4	87.9
Total	Lumens	1835.3	60.3	1895.6
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.9
10°-20°	36.3	1.9
20°-30°	60.8	3.2
30°-40°	112.8	6.0
40°-50°	190.2	10.0
50°-60°	341.3	18.0
60°-70°	512.5	27.0
70°-80°	468.8	24.7
80°-90°	95.9	5.1
90°-100°	45.9	2.4
100°-110°	9.8	0.5
110°-120°	1.8	0.1
120°-130°	1.5	0.1
130°-140°	0.7	0.0
140°-150°	0.3	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1835.3	96.8
0°-180°	1895.6	100.0

Coefficient of Utilization



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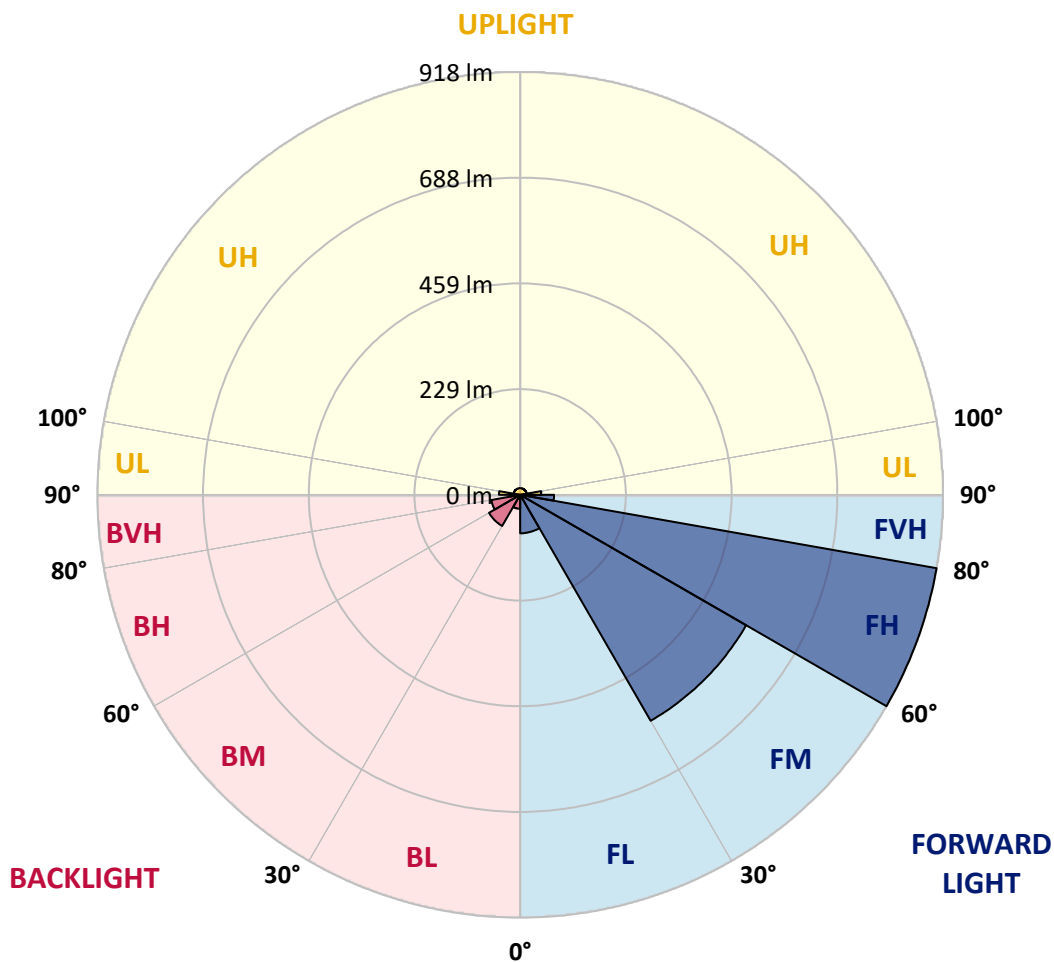
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	83.5	4.4			
FM	(30°-60°)	566.2	29.9			
FH	(60°-80°)	917.5	48.4			G1/1800
FVH	(80°-90°)	73.5	3.9			G1/100
BL	(0°-30°)	30.4	1.6	B0/110		
BM	(30°-60°)	78.0	4.1	B0/220		
BH	(60°-80°)	63.7	3.4	B0/110		G0/110
BVH	(80°-90°)	22.4	1.2			G1/100
UL	(90°-100°)	45.9	2.4		U2/50	
UH	(100°-180°)	14.4	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°	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0
2.5°	209.9	220.0	217.0	222.1	221.1	220.0	220.0	221.1	220.0	218.0	216.0
5°	214.0	210.9	208.9	207.9	203.8	198.8	196.7	194.7	216.0	216.0	211.9
7.5°	220.0	220.0	216.0	212.9	212.9	207.9	202.8	198.8	188.6	185.6	185.6
10°	234.2	232.2	229.2	223.1	192.7	193.7	182.5	160.2	150.1	154.1	160.2
12.5°	237.3	236.3	232.2	231.2	202.8	172.4	143.0	160.2	153.1	127.8	142.0
15°	254.5	252.5	244.4	230.2	173.4	178.5	166.3	143.0	136.9	156.2	167.3
17.5°	217.0	217.0	243.4	223.1	188.6	150.1	149.1	166.3	150.1	139.9	138.9
20°	266.7	266.7	255.5	182.5	193.7	191.7	154.1	174.4	147.0	166.3	177.5
22.5°	222.1	221.1	229.2	226.1	185.6	195.7	158.2	159.2	175.4	150.1	128.8
25°	270.7	270.7	264.7	196.7	210.9	176.4	180.5	190.6	156.2	189.6	191.7
27.5°	233.2	232.2	221.1	225.1	196.7	216.0	164.3	179.5	191.7	204.8	225.1
30°	284.9	287.0	281.9	214.0	219.0	205.8	195.7	207.9	232.2	272.8	286.0
32.5°	351.9	353.9	300.2	257.6	220.0	250.5	209.9	229.2	266.7	286.0	300.2
35°	391.4	376.2	352.9	288.0	237.3	256.6	241.3	244.4	277.8	308.3	318.4
37.5°	424.9	404.6	377.2	297.1	250.5	276.8	251.5	255.5	301.2	328.5	341.7
40°	436.0	423.9	408.7	317.4	266.7	292.0	263.6	272.8	323.5	354.9	375.2
42.5°	463.4	464.4	455.3	345.8	283.9	308.3	283.9	290.0	352.9	391.4	420.8
45°	536.4	538.5	528.3	394.5	305.2	336.7	316.4	319.4	386.3	447.2	484.7
47.5°	629.7	622.6	612.5	459.4	337.7	369.1	353.9	350.9	425.9	520.2	553.7
50°	724.0	710.8	689.5	548.6	393.4	402.6	392.4	390.4	473.6	595.2	631.7
52.5°	822.4	812.2	767.6	632.8	476.6	451.2	440.1	451.2	535.4	678.4	711.9
55°	874.1	864.0	835.6	723.0	556.7	514.1	494.9	515.1	630.7	756.5	800.1
57.5°	916.7	913.6	900.5	817.3	654.1	581.0	561.8	581.0	706.8	829.5	881.2
60°	977.5	965.4	977.5	908.6	748.4	663.2	636.8	657.1	800.1	893.4	970.4
62.5°	1021.1	1018.1	1042.4	1011.0	827.5	749.4	710.8	730.1	882.2	961.3	1058.7
65°	974.5	989.7	1087.0	1077.9	916.7	837.6	797.0	790.9	949.1	1034.3	1153.0
67.5°	891.3	901.5	1043.4	1112.4	994.8	926.8	878.2	849.8	1011.0	1100.2	1228.0
70°	812.2	824.4	954.2	1114.4	1032.3	1041.4	973.5	920.7	1072.9	1174.3	1244.2
72.5°	749.4	760.5	877.1	1090.1	1045.5	1156.0	1077.9	995.8	1132.7	1176.3	1087.0
75°	467.5	475.6	705.8	975.5	1053.6	1259.4	1173.2	1065.8	1127.6	1013.0	731.1
77.5°	144.0	147.0	302.2	643.9	915.7	1249.3	1157.0	1001.9	945.1	642.9	333.6
80°	49.7	50.7	78.1	229.2	547.6	948.1	882.2	737.2	564.8	237.3	125.7
82.5°	23.3	25.4	36.5	77.1	223.1	518.2	521.2	438.1	237.3	105.5	85.2
85°	8.1	8.1	15.2	33.5	86.2	199.8	189.6	176.4	124.7	95.3	79.1
87.5°	3.0	3.0	5.1	9.1	21.3	42.6	53.7	65.9	65.9	66.9	80.1
90°	3.0	3.0	2.0	2.0	15.2	44.6	53.7	59.8	54.8	60.8	87.2
92.5°	3.0	3.0	2.0	2.0	16.2	51.7	59.8	64.9	57.8	64.9	96.3
95°	3.0	3.0	2.0	2.0	18.3	62.9	70.0	69.0	57.8	67.9	103.4
97.5°	4.1	4.1	2.0	1.0	16.2	66.9	75.0	73.0	49.7	51.7	81.1
100°	4.1	4.1	2.0	1.0	10.1	49.7	59.8	58.8	32.4	8.1	23.3
102.5°	4.1	4.1	2.0	1.0	2.0	23.3	28.4	29.4	19.3	3.0	4.1
105°	5.1	5.1	2.0	1.0	1.0	4.1	9.1	12.2	7.1	2.0	4.1
107.5°	5.1	5.1	2.0	1.0	1.0	2.0	2.0	3.0	3.0	2.0	5.1
110°	5.1	5.1	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	5.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	4.1	4.1	1.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	5.1
115°	2.0	2.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	2.0	4.1
117.5°	1.0	1.0	0.0	1.0	0.0	1.0	1.0	1.0	2.0	2.0	5.1
120°	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	3.0	6.1
122.5°	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	3.0	6.1
125°	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	3.0	6.1
127.5°	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	3.0	5.1
130°	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	4.1
132.5°	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	3.0
135°	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	2.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
145°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	3.0	3.0	2.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
152.5°	2.0	2.0	3.0	1.0	0.0	0.0	1.0	1.0	2.0	1.0	1.0
155°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	2.0
157.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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°	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0
2.5°	214.0	212.9	209.9	207.9	204.8	201.8	186.6	177.5	176.4	175.4	176.4
5°	209.9	206.9	201.8	178.5	167.3	157.2	154.1	152.1	147.0	147.0	148.0
7.5°	181.5	179.5	163.3	156.2	147.0	137.9	129.8	123.7	108.5	103.4	101.4
10°	159.2	155.1	126.8	112.6	103.4	93.3	93.3	85.2	81.1	78.1	77.1
12.5°	137.9	134.9	111.5	102.4	77.1	66.9	61.9	56.8	53.7	51.7	50.7
15°	161.2	156.2	119.7	82.1	56.8	47.7	37.5	36.5	45.6	47.7	48.7
17.5°	128.8	131.8	106.5	72.0	46.6	29.4	32.4	38.5	43.6	43.6	42.6
20°	171.4	164.3	115.6	57.8	33.5	29.4	31.4	28.4	40.6	43.6	43.6
22.5°	124.7	118.6	95.3	53.7	26.4	28.4	26.4	33.5	37.5	33.5	34.5
25°	185.6	176.4	110.5	37.5	27.4	24.3	30.4	26.4	36.5	39.5	40.6
27.5°	230.2	199.8	108.5	35.5	24.3	27.4	25.4	30.4	29.4	31.4	31.4
30°	274.8	257.6	122.7	32.4	24.3	23.3	26.4	26.4	33.5	36.5	36.5
32.5°	294.1	273.8	107.5	31.4	24.3	23.3	23.3	28.4	31.4	37.5	37.5
35°	314.4	287.0	90.2	29.4	23.3	22.3	22.3	28.4	33.5	37.5	38.5
37.5°	341.7	301.2	73.0	28.4	22.3	21.3	19.3	25.4	35.5	39.5	40.6
40°	376.2	321.5	56.8	26.4	20.3	19.3	18.3	25.4	30.4	35.5	35.5
42.5°	430.0	343.8	44.6	25.4	19.3	17.2	17.2	21.3	29.4	33.5	33.5
45°	484.7	370.1	37.5	24.3	18.3	16.2	16.2	21.3	22.3	28.4	28.4
47.5°	545.6	396.5	34.5	23.3	18.3	14.2	14.2	19.3	19.3	26.4	27.4
50°	608.4	418.8	32.4	22.3	16.2	13.2	16.2	13.2	16.2	25.4	27.4
52.5°	663.2	437.1	30.4	20.3	15.2	12.2	15.2	13.2	16.2	23.3	23.3
55°	719.0	447.2	29.4	19.3	14.2	10.1	15.2	14.2	15.2	21.3	21.3
57.5°	768.6	450.2	28.4	19.3	12.2	9.1	14.2	17.2	13.2	17.2	19.3
60°	813.3	447.2	25.4	17.2	9.1	9.1	15.2	20.3	18.3	20.3	20.3
62.5°	854.8	436.0	20.3	14.2	7.1	9.1	19.3	22.3	17.2	21.3	23.3
65°	890.3	420.8	15.2	11.2	5.1	10.1	20.3	25.4	20.3	24.3	26.4
67.5°	906.6	400.5	12.2	9.1	5.1	11.2	21.3	28.4	23.3	27.4	29.4
70°	879.2	359.0	10.1	9.1	4.1	13.2	22.3	30.4	26.4	34.5	35.5
72.5°	730.1	281.9	9.1	9.1	7.1	16.2	28.4	34.5	32.4	46.6	45.6
75°	483.7	154.1	9.1	8.1	9.1	19.3	34.5	40.6	35.5	52.7	52.7
77.5°	223.1	67.9	8.1	9.1	10.1	21.3	39.5	48.7	40.6	59.8	58.8
80°	97.3	41.6	8.1	8.1	11.2	23.3	44.6	54.8	44.6	65.9	65.9
82.5°	73.0	37.5	7.1	8.1	15.2	26.4	51.7	60.8	49.7	71.0	70.0
85°	67.9	35.5	8.1	9.1	17.2	33.5	60.8	65.9	51.7	73.0	73.0
87.5°	69.0	34.5	8.1	9.1	23.3	42.6	69.0	71.0	56.8	77.1	77.1
90°	71.0	35.5	9.1	10.1	26.4	46.6	77.1	76.1	63.9	81.1	81.1
92.5°	76.1	35.5	10.1	11.2	28.4	51.7	84.2	78.1	69.0	84.2	82.1
95°	79.1	35.5	11.2	12.2	33.5	56.8	89.2	76.1	73.0	78.1	76.1
97.5°	58.8	26.4	13.2	14.2	34.5	63.9	82.1	64.9	47.7	46.6	47.7
100°	19.3	9.1	14.2	15.2	22.3	44.6	60.8	46.6	25.4	19.3	19.3
102.5°	5.1	5.1	13.2	14.2	12.2	19.3	35.5	30.4	17.2	1.0	2.0
105°	5.1	4.1	8.1	11.2	7.1	5.1	14.2	17.2	13.2	1.0	1.0
107.5°	5.1	4.1	4.1	6.1	2.0	2.0	4.1	4.1	4.1	1.0	1.0
110°	5.1	4.1	2.0	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.1	4.1	2.0	2.0	2.0	1.0	1.0	1.0	1.0	3.0	4.1
115°	5.1	4.1	1.0	2.0	1.0	1.0	1.0	1.0	2.0	4.1	5.1
117.5°	5.1	4.1	1.0	1.0	1.0	1.0	1.0	1.0	2.0	5.1	6.1
120°	6.1	5.1	1.0	1.0	1.0	1.0	1.0	1.0	2.0	6.1	6.1
122.5°	6.1	5.1	1.0	1.0	1.0	1.0	0.0	1.0	3.0	6.1	6.1
125°	6.1	5.1	1.0	1.0	1.0	0.0	0.0	1.0	3.0	6.1	7.1
127.5°	5.1	4.1	1.0	1.0	1.0	0.0	0.0	1.0	2.0	5.1	6.1
130°	4.1	3.0	1.0	1.0	1.0	0.0	0.0	0.0	2.0	5.1	5.1
132.5°	3.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	2.0	4.1	4.1
135°	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	3.0	3.0
137.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
140°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	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)