

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: P560459

Luminaire Tested: **SDL-PA1-40-827-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560459
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-PA1-40-827-U-T4W-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 500mA 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: 2472.3 lumens
Efficiency: N/A
Efficacy: 62.7 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: B0 - U3 - G1

Input Watts (W): 39.4
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

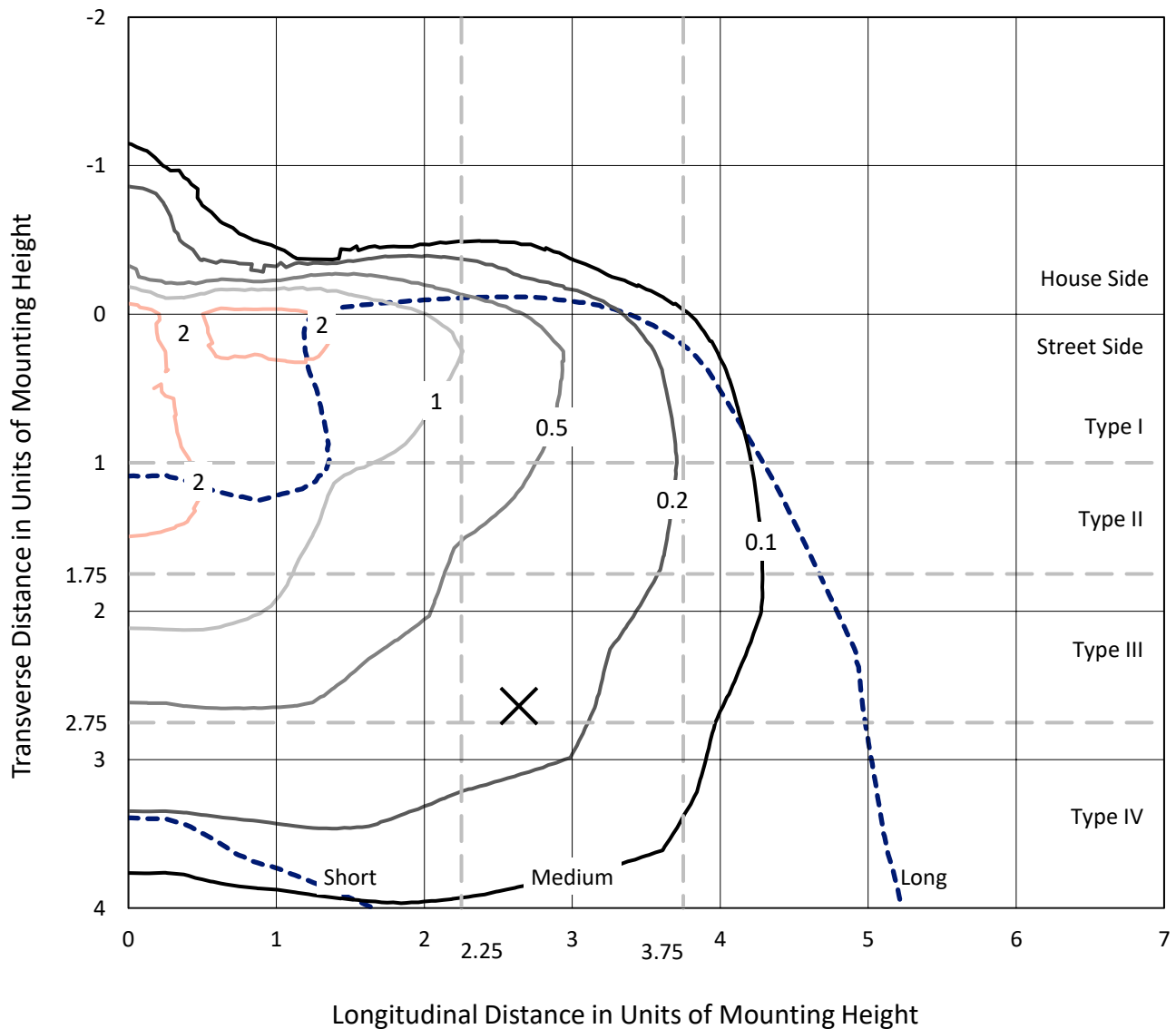


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

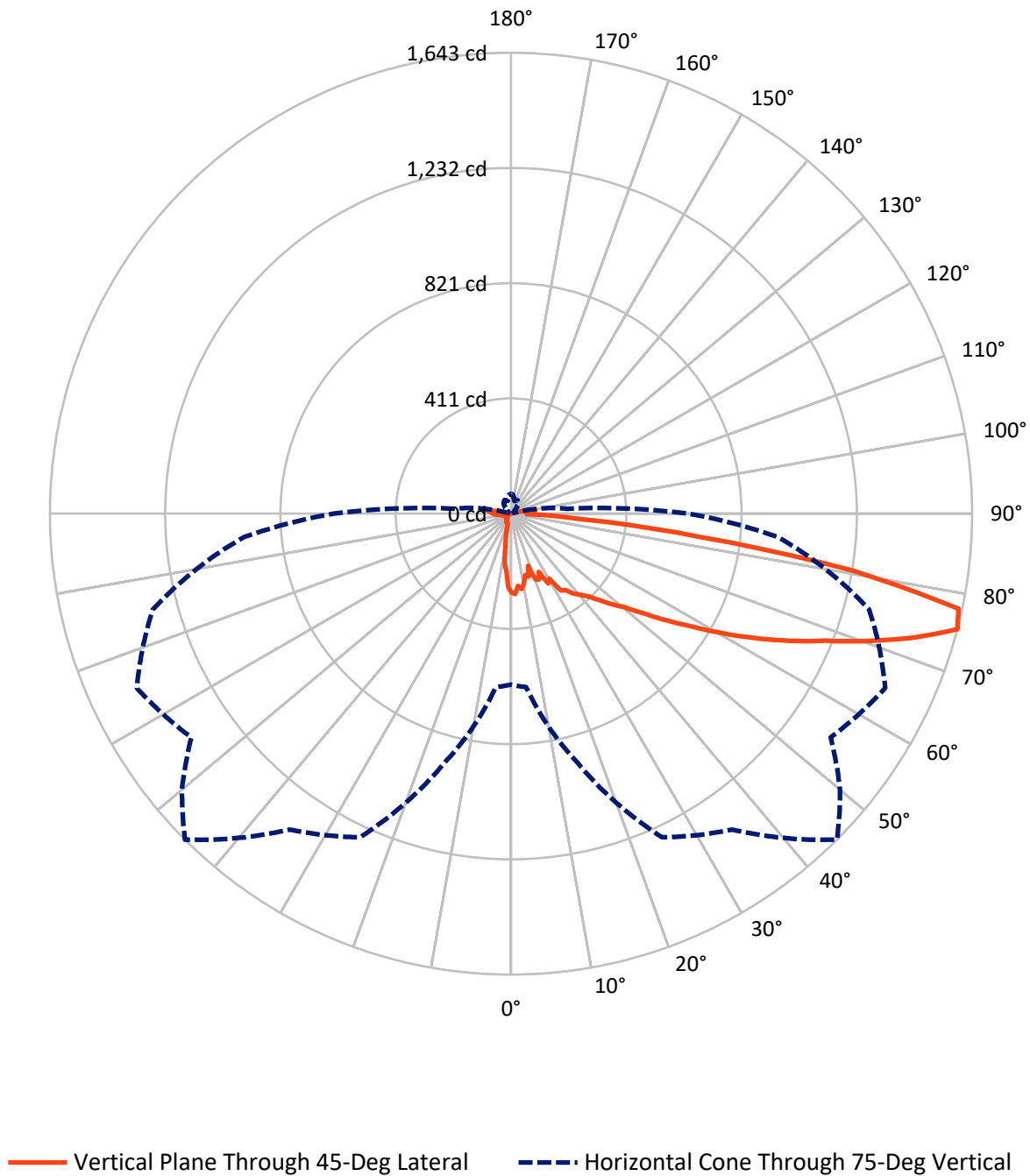


Based on 10 foot mounting height. Maximum calculated value = 3 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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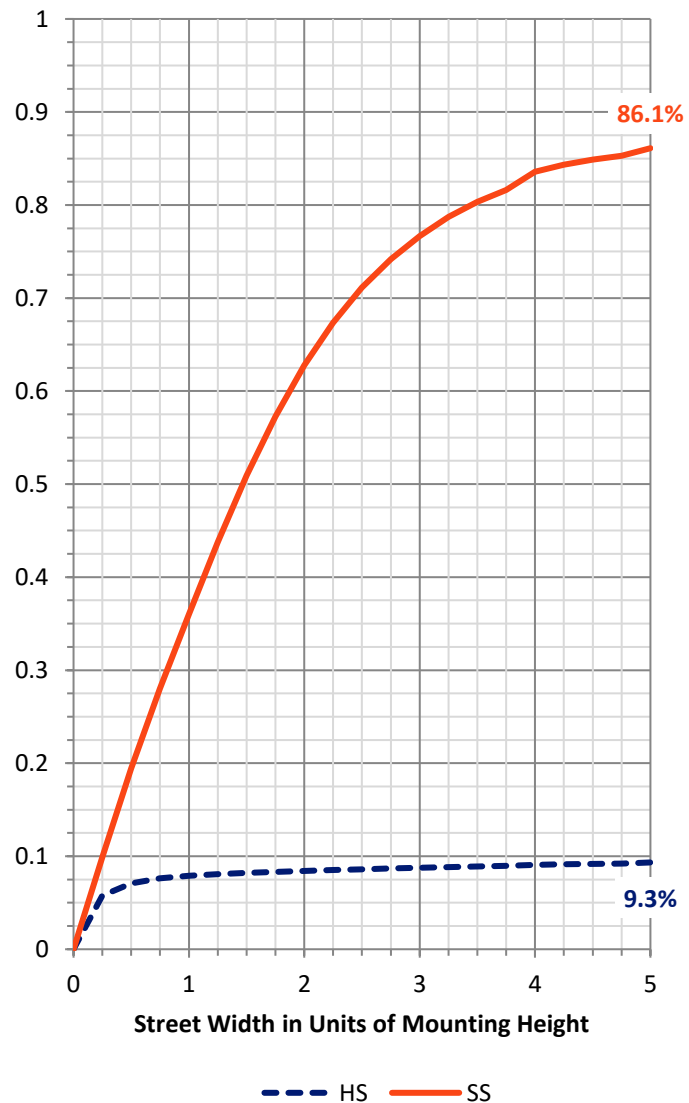
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	253.7	44.3	298.0
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	2139.9	34.3	2174.2
	% Fixture	86.6	1.4	87.9
Total	Lumens	2393.6	78.6	2472.3
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	0.9
10°-20°	47.3	1.9
20°-30°	79.4	3.2
30°-40°	147.2	6.0
40°-50°	248.0	10.0
50°-60°	445.1	18.0
60°-70°	668.4	27.0
70°-80°	611.5	24.7
80°-90°	125.0	5.1
90°-100°	59.8	2.4
100°-110°	12.7	0.5
110°-120°	2.4	0.1
120°-130°	1.9	0.1
130°-140°	0.9	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°	2393.6	96.8
0°-180°	2472.3	100.0

Coefficient of Utilization



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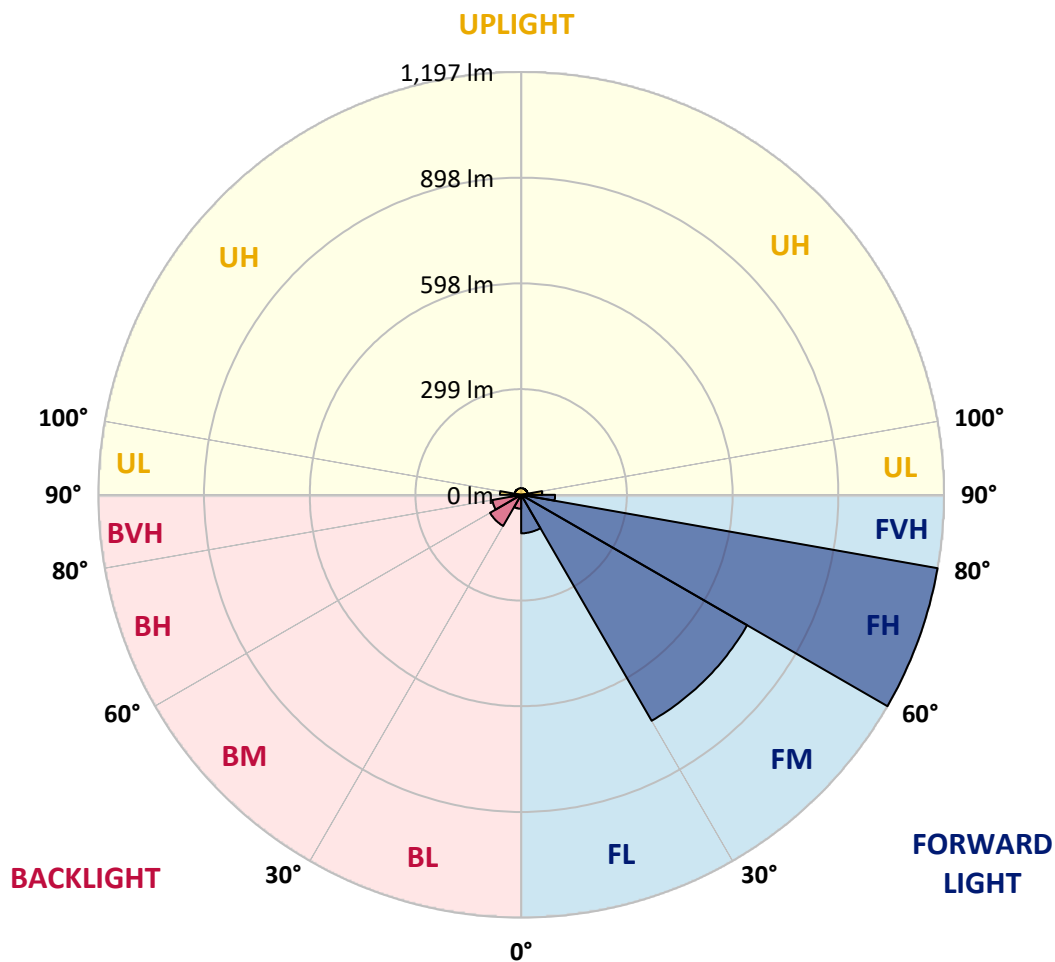
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	108.9	4.4			
FM	(30°-60°)	738.5	29.9			
FH	(60°-80°)	1196.7	48.4			G1/1800
FVH	(80°-90°)	95.9	3.9			G1/100
BL	(0°-30°)	39.6	1.6	B0/110		
BM	(30°-60°)	101.8	4.1	B0/220		
BH	(60°-80°)	83.1	3.4	B0/110		G0/110
BVH	(80°-90°)	29.2	1.2			G1/100
UL	(90°-100°)	59.8	2.4		U3/500	
UH	(100°-180°)	18.8	0.8		U2/50	

BUG Rating: B0-U3-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	281.7	281.7	281.7	281.7	281.7	281.7	281.7	281.7	281.7	281.7	281.7
2.5°	273.8	287.0	283.0	289.6	288.3	287.0	287.0	288.3	287.0	284.3	281.7
5°	279.1	275.1	272.4	271.1	265.8	259.2	256.6	253.9	281.7	281.7	276.4
7.5°	287.0	287.0	281.7	277.7	277.7	271.1	264.5	259.2	246.0	242.0	242.0
10°	305.5	302.9	298.9	291.0	251.3	252.6	238.1	209.0	195.7	201.0	209.0
12.5°	309.5	308.2	302.9	301.5	264.5	224.8	186.5	209.0	199.7	166.6	185.2
15°	332.0	329.3	318.7	300.2	226.2	232.8	216.9	186.5	178.5	203.7	218.2
17.5°	283.0	283.0	317.4	291.0	246.0	195.7	194.4	216.9	195.7	182.5	181.2
20°	347.8	347.8	333.3	238.1	252.6	250.0	201.0	227.5	191.8	216.9	231.4
22.5°	289.6	288.3	298.9	294.9	242.0	255.2	206.3	207.6	228.8	195.7	168.0
25°	353.1	353.1	345.2	256.6	275.1	230.1	235.4	248.6	203.7	247.3	250.0
27.5°	304.2	302.9	288.3	293.6	256.6	281.7	214.3	234.1	250.0	267.2	293.6
30°	371.6	374.3	367.7	279.1	285.7	268.5	255.2	271.1	302.9	355.8	373.0
32.5°	458.9	461.6	391.5	335.9	287.0	326.7	273.8	298.9	347.8	373.0	391.5
35°	510.5	490.7	460.2	375.6	309.5	334.6	314.8	318.7	362.4	402.1	415.3
37.5°	554.1	527.7	492.0	387.5	326.7	361.1	328.0	333.3	392.8	428.5	445.7
40°	568.7	552.8	533.0	414.0	347.8	380.9	343.9	355.8	421.9	462.9	489.3
42.5°	604.4	605.7	593.8	451.0	370.3	402.1	370.3	378.2	460.2	510.5	548.9
45°	699.6	702.3	689.0	514.5	398.1	439.1	412.6	416.6	503.9	583.2	632.2
47.5°	821.3	812.0	798.8	599.1	440.4	481.4	461.6	457.6	555.5	678.5	722.1
50°	944.3	927.1	899.3	715.5	513.1	525.0	511.8	509.2	617.6	776.3	823.9
52.5°	1072.6	1059.4	1001.2	825.3	621.6	588.5	574.0	588.5	698.3	884.8	928.4
55°	1140.0	1126.8	1089.8	943.0	726.1	670.5	645.4	671.8	822.6	986.6	1043.5
57.5°	1195.6	1191.6	1174.4	1066.0	853.0	757.8	732.7	757.8	921.8	1081.8	1149.3
60°	1274.9	1259.1	1274.9	1185.0	976.0	864.9	830.6	857.0	1043.5	1165.2	1265.7
62.5°	1331.8	1327.8	1359.6	1318.6	1079.2	977.4	927.1	952.2	1150.6	1253.8	1380.7
65°	1271.0	1290.8	1417.8	1405.9	1195.6	1092.4	1039.5	1031.6	1237.9	1349.0	1503.7
67.5°	1162.5	1175.7	1360.9	1450.8	1297.4	1208.8	1145.3	1108.3	1318.6	1435.0	1601.6
70°	1059.4	1075.2	1244.5	1453.5	1346.3	1358.2	1269.6	1200.9	1399.2	1531.5	1622.8
72.5°	977.4	991.9	1144.0	1421.7	1363.5	1507.7	1405.9	1298.7	1477.3	1534.1	1417.8
75°	609.7	620.3	920.5	1272.3	1374.1	1642.6	1530.2	1390.0	1470.7	1321.2	953.5
77.5°	187.8	191.8	394.1	839.8	1194.2	1629.4	1509.0	1306.7	1232.6	838.5	435.1
80°	64.8	66.1	101.8	298.9	714.2	1236.6	1150.6	961.5	736.7	309.5	164.0
82.5°	30.4	33.1	47.6	100.5	291.0	675.8	679.8	571.3	309.5	137.5	111.1
85°	10.6	10.6	19.8	43.6	112.4	260.5	247.3	230.1	162.7	124.3	103.2
87.5°	4.0	4.0	6.6	11.9	27.8	55.5	70.1	86.0	86.0	87.3	104.5
90°	4.0	4.0	2.6	2.6	19.8	58.2	70.1	78.0	71.4	79.4	113.7
92.5°	4.0	4.0	2.6	2.6	21.2	67.4	78.0	84.6	75.4	84.6	125.6
95°	4.0	4.0	2.6	2.6	23.8	82.0	91.3	89.9	75.4	88.6	134.9
97.5°	5.3	5.3	2.6	1.3	21.2	87.3	97.9	95.2	64.8	67.4	105.8
100°	5.3	5.3	2.6	1.3	13.2	64.8	78.0	76.7	42.3	10.6	30.4
102.5°	5.3	5.3	2.6	1.3	2.6	30.4	37.0	38.4	25.1	4.0	5.3
105°	6.6	6.6	2.6	1.3	1.3	5.3	11.9	15.9	9.3	2.6	5.3
107.5°	6.6	6.6	2.6	1.3	1.3	2.6	2.6	4.0	4.0	2.6	6.6
110°	6.6	6.6	2.6	2.6	1.3	1.3	1.3	1.3	2.6	2.6	6.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	5.3	5.3	1.3	2.6	1.3	1.3	1.3	1.3	1.3	2.6	6.6
115°	2.6	2.6	1.3	1.3	0.0	1.3	1.3	1.3	1.3	2.6	5.3
117.5°	1.3	1.3	0.0	1.3	0.0	1.3	1.3	1.3	2.6	2.6	6.6
120°	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	4.0	7.9
122.5°	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	4.0	7.9
125°	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	4.0	7.9
127.5°	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	4.0	6.6
130°	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	2.6	5.3
132.5°	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	2.6	4.0
135°	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	2.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
145°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	4.0	4.0	2.6	1.3	0.0	0.0	1.3	1.3	1.3	1.3	1.3
152.5°	2.6	2.6	4.0	1.3	0.0	0.0	1.3	1.3	2.6	1.3	1.3
155°	2.6	2.6	1.3	0.0	0.0	0.0	0.0	1.3	1.3	2.6	2.6
157.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	281.7	281.7	281.7	281.7	281.7	281.7	281.7	281.7	281.7	281.7	281.7
2.5°	279.1	277.7	273.8	271.1	267.2	263.2	243.3	231.4	230.1	228.8	230.1
5°	273.8	269.8	263.2	232.8	218.2	205.0	201.0	198.4	191.8	191.8	193.1
7.5°	236.7	234.1	212.9	203.7	191.8	179.9	169.3	161.3	141.5	134.9	132.3
10°	207.6	202.3	165.3	146.8	134.9	121.7	121.7	111.1	105.8	101.8	100.5
12.5°	179.9	175.9	145.5	133.6	100.5	87.3	80.7	74.1	70.1	67.4	66.1
15°	210.3	203.7	156.1	107.1	74.1	62.2	48.9	47.6	59.5	62.2	63.5
17.5°	168.0	171.9	138.9	93.9	60.8	38.4	42.3	50.3	56.9	56.9	55.5
20°	223.5	214.3	150.8	75.4	43.6	38.4	41.0	37.0	52.9	56.9	56.9
22.5°	162.7	154.7	124.3	70.1	34.4	37.0	34.4	43.6	48.9	43.6	45.0
25°	242.0	230.1	144.2	48.9	35.7	31.7	39.7	34.4	47.6	51.6	52.9
27.5°	300.2	260.5	141.5	46.3	31.7	35.7	33.1	39.7	38.4	41.0	41.0
30°	358.4	335.9	160.0	42.3	31.7	30.4	34.4	34.4	43.6	47.6	47.6
32.5°	383.5	357.1	140.2	41.0	31.7	30.4	30.4	37.0	41.0	48.9	48.9
35°	410.0	374.3	117.7	38.4	30.4	29.1	29.1	37.0	43.6	48.9	50.3
37.5°	445.7	392.8	95.2	37.0	29.1	27.8	25.1	33.1	46.3	51.6	52.9
40°	490.7	419.2	74.1	34.4	26.5	25.1	23.8	33.1	39.7	46.3	46.3
42.5°	560.8	448.3	58.2	33.1	25.1	22.5	22.5	27.8	38.4	43.6	43.6
45°	632.2	482.7	48.9	31.7	23.8	21.2	21.2	27.8	29.1	37.0	37.0
47.5°	711.5	517.1	45.0	30.4	23.8	18.5	18.5	25.1	25.1	34.4	35.7
50°	793.5	546.2	42.3	29.1	21.2	17.2	21.2	17.2	21.2	33.1	35.7
52.5°	864.9	570.0	39.7	26.5	19.8	15.9	19.8	17.2	21.2	30.4	30.4
55°	937.7	583.2	38.4	25.1	18.5	13.2	19.8	18.5	19.8	27.8	27.8
57.5°	1002.5	587.2	37.0	25.1	15.9	11.9	18.5	22.5	17.2	22.5	25.1
60°	1060.7	583.2	33.1	22.5	11.9	11.9	19.8	26.5	23.8	26.5	26.5
62.5°	1114.9	568.7	26.5	18.5	9.3	11.9	25.1	29.1	22.5	27.8	30.4
65°	1161.2	548.9	19.8	14.5	6.6	13.2	26.5	33.1	26.5	31.7	34.4
67.5°	1182.3	522.4	15.9	11.9	6.6	14.5	27.8	37.0	30.4	35.7	38.4
70°	1146.6	468.2	13.2	11.9	5.3	17.2	29.1	39.7	34.4	45.0	46.3
72.5°	952.2	367.7	11.9	11.9	9.3	21.2	37.0	45.0	42.3	60.8	59.5
75°	630.8	201.0	11.9	10.6	11.9	25.1	45.0	52.9	46.3	68.8	68.8
77.5°	291.0	88.6	10.6	11.9	13.2	27.8	51.6	63.5	52.9	78.0	76.7
80°	127.0	54.2	10.6	10.6	14.5	30.4	58.2	71.4	58.2	86.0	86.0
82.5°	95.2	48.9	9.3	10.6	19.8	34.4	67.4	79.4	64.8	92.6	91.3
85°	88.6	46.3	10.6	11.9	22.5	43.6	79.4	86.0	67.4	95.2	95.2
87.5°	89.9	45.0	10.6	11.9	30.4	55.5	89.9	92.6	74.1	100.5	100.5
90°	92.6	46.3	11.9	13.2	34.4	60.8	100.5	99.2	83.3	105.8	105.8
92.5°	99.2	46.3	13.2	14.5	37.0	67.4	109.8	101.8	89.9	109.8	107.1
95°	103.2	46.3	14.5	15.9	43.6	74.1	116.4	99.2	95.2	101.8	99.2
97.5°	76.7	34.4	17.2	18.5	45.0	83.3	107.1	84.6	62.2	60.8	62.2
100°	25.1	11.9	18.5	19.8	29.1	58.2	79.4	60.8	33.1	25.1	25.1
102.5°	6.6	6.6	17.2	18.5	15.9	25.1	46.3	39.7	22.5	1.3	2.6
105°	6.6	5.3	10.6	14.5	9.3	6.6	18.5	22.5	17.2	1.3	1.3
107.5°	6.6	5.3	5.3	7.9	2.6	2.6	5.3	5.3	5.3	1.3	1.3
110°	6.6	5.3	2.6	2.6	2.6	2.6	2.6	1.3	1.3	2.6	2.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.9	5.3	2.6	2.6	2.6	1.3	1.3	1.3	1.3	4.0	5.3
115°	6.6	5.3	1.3	2.6	1.3	1.3	1.3	1.3	2.6	5.3	6.6
117.5°	6.6	5.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	6.6	7.9
120°	7.9	6.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	7.9	7.9
122.5°	7.9	6.6	1.3	1.3	1.3	1.3	0.0	1.3	4.0	7.9	7.9
125°	7.9	6.6	1.3	1.3	1.3	0.0	0.0	1.3	4.0	7.9	9.3
127.5°	6.6	5.3	1.3	1.3	1.3	0.0	0.0	1.3	2.6	6.6	7.9
130°	5.3	4.0	1.3	1.3	1.3	0.0	0.0	0.0	2.6	6.6	6.6
132.5°	4.0	2.6	1.3	1.3	1.3	0.0	0.0	0.0	2.6	5.3	5.3
135°	2.6	2.6	1.3	1.3	1.3	0.0	0.0	0.0	1.3	4.0	4.0
137.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3
140°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.6	2.6	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.3	1.3	1.3	1.3	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)