

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: P560635

Luminaire Tested: **SDL-PA1-50-827-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560635
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-PA1-50-827-U-T4W-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 670mA 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: 3207.7 lumens
Efficiency: N/A
Efficacy: 61.2 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 - G2

Input Watts (W): 52.4
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

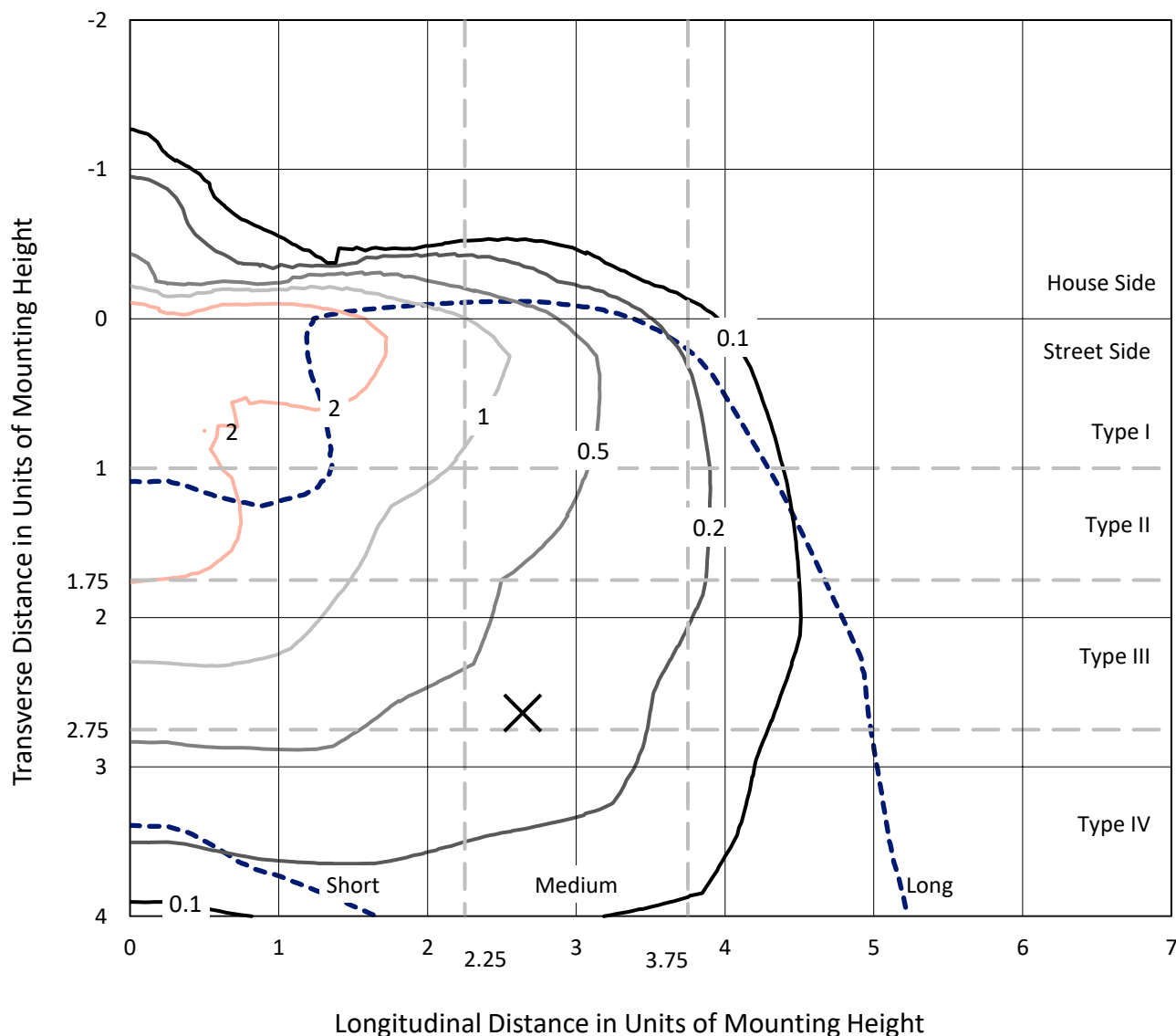


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

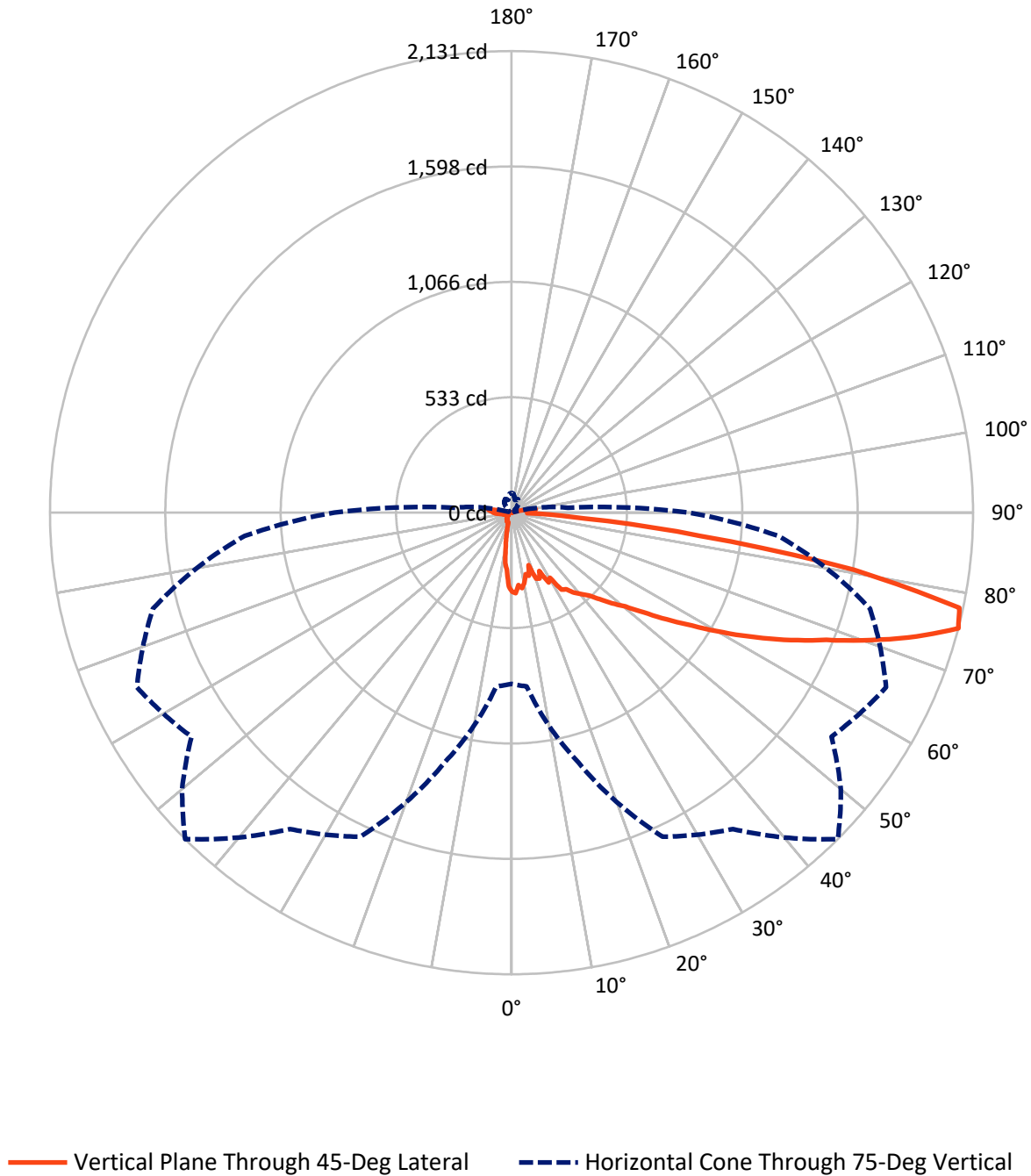


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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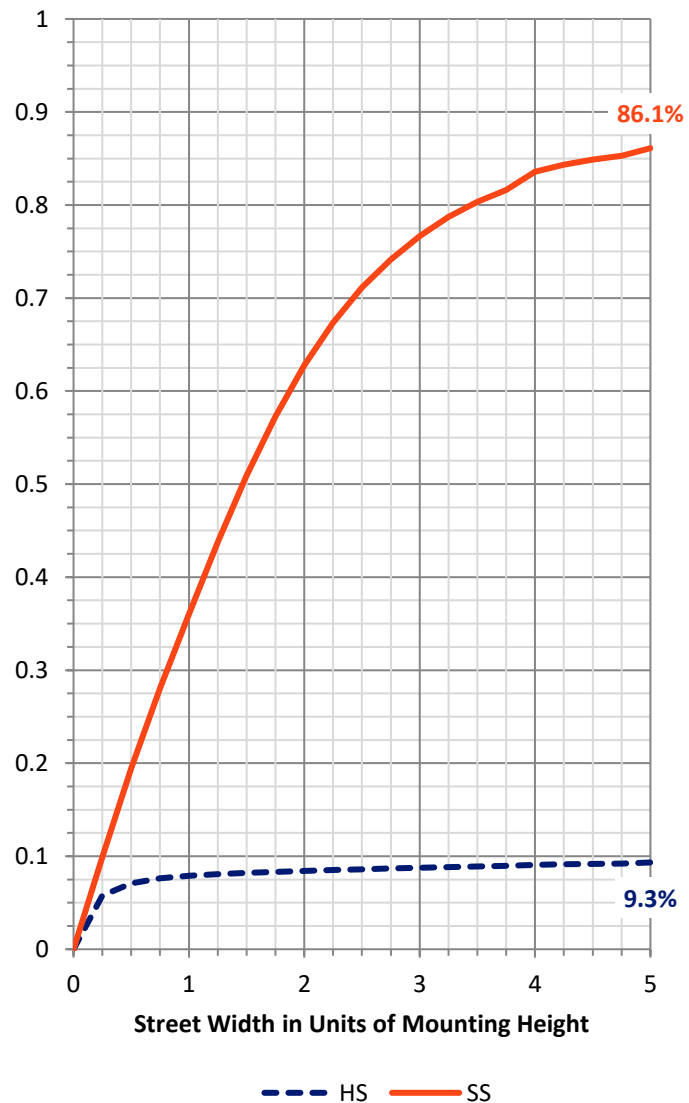
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	329.1	57.6	386.7
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	2776.5	44.5	2821.0
	% Fixture	86.6	1.4	87.9
Total	Lumens	3105.7	102.1	3207.7
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.4	0.9
10°-20°	61.4	1.9
20°-30°	103.0	3.2
30°-40°	190.9	6.0
40°-50°	321.8	10.0
50°-60°	577.5	18.0
60°-70°	867.2	27.0
70°-80°	793.4	24.7
80°-90°	162.2	5.1
90°-100°	77.6	2.4
100°-110°	16.5	0.5
110°-120°	3.1	0.1
120°-130°	2.5	0.1
130°-140°	1.1	0.0
140°-150°	0.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3105.7	96.8
0°-180°	3207.7	100.0



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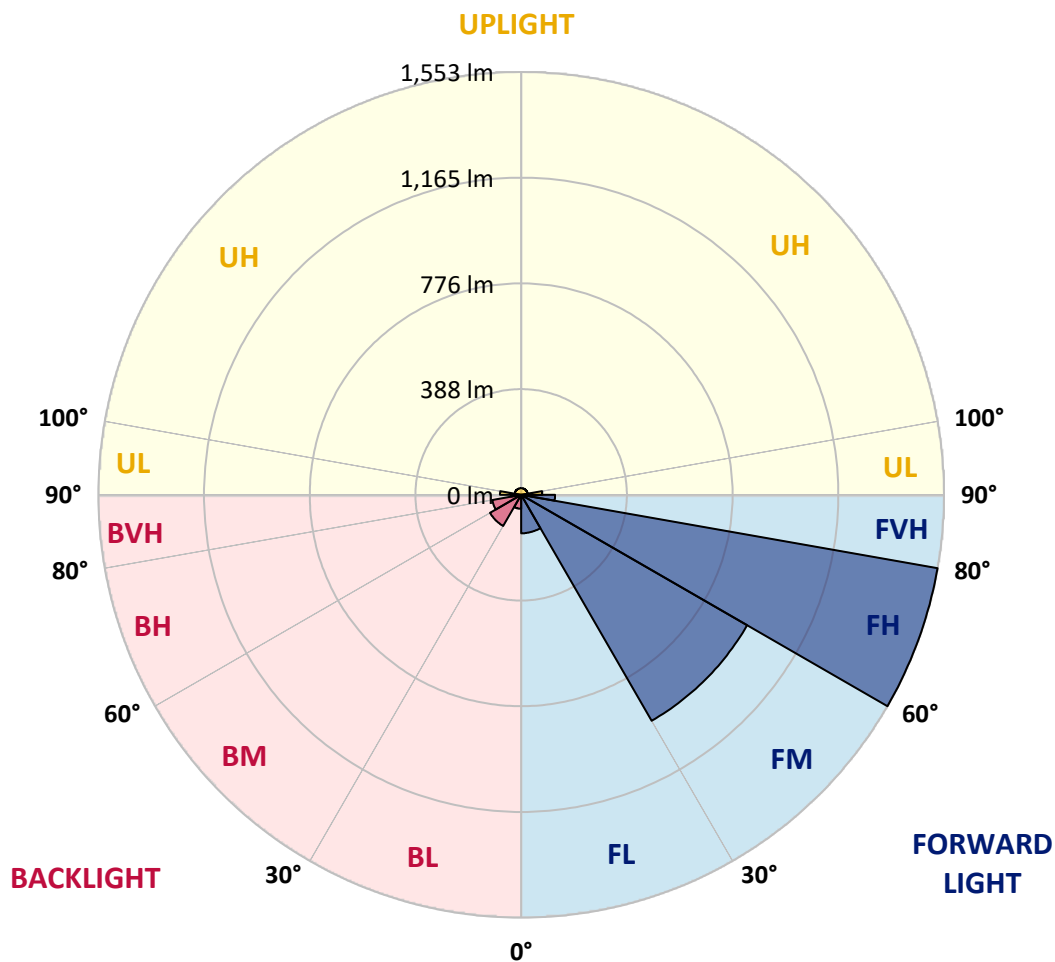
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	141.3	4.4			
FM	(30°-60°)	958.1	29.9			
FH	(60°-80°)	1552.7	48.4			G1/1800
FVH	(80°-90°)	124.4	3.9			G2/225
BL	(0°-30°)	51.4	1.6	B0/110		
BM	(30°-60°)	132.1	4.1	B0/220		
BH	(60°-80°)	107.9	3.4	B0/110		G0/110
BVH	(80°-90°)	37.8	1.2			G1/100
UL	(90°-100°)	77.6	2.4		U3/500	
UH	(100°-180°)	24.4	0.8		U2/50	

BUG Rating: B0-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5
2.5°	355.2	372.4	367.2	375.8	374.1	372.4	372.4	374.1	372.4	368.9	365.5
5°	362.1	356.9	353.5	351.8	344.9	336.3	332.9	329.5	365.5	365.5	358.6
7.5°	372.4	372.4	365.5	360.4	360.4	351.8	343.2	336.3	319.2	314.0	314.0
10°	396.4	393.0	387.8	377.5	326.0	327.7	308.9	271.1	254.0	260.8	271.1
12.5°	401.5	399.8	393.0	391.2	343.2	291.7	242.0	271.1	259.1	216.2	240.2
15°	430.7	427.3	413.5	389.5	293.4	302.0	281.4	242.0	231.7	264.3	283.1
17.5°	367.2	367.2	411.8	377.5	319.2	254.0	252.2	281.4	254.0	236.8	235.1
20°	451.3	451.3	432.4	308.9	327.7	324.3	260.8	295.1	248.8	281.4	300.3
22.5°	375.8	374.1	387.8	382.7	314.0	331.2	267.7	269.4	296.9	254.0	217.9
25°	458.2	458.2	447.9	332.9	356.9	298.6	305.4	322.6	264.3	320.9	324.3
27.5°	394.7	393.0	374.1	380.9	332.9	365.5	278.0	303.7	324.3	346.6	380.9
30°	482.2	485.6	477.0	362.1	370.6	348.3	331.2	351.8	393.0	461.6	483.9
32.5°	595.4	598.9	507.9	435.9	372.4	423.8	355.2	387.8	451.3	483.9	507.9
35°	662.4	636.6	597.2	487.3	401.5	434.1	408.4	413.5	470.2	521.7	538.8
37.5°	719.0	684.7	638.3	502.8	423.8	468.5	425.6	432.4	509.6	556.0	578.3
40°	737.9	717.3	691.5	537.1	451.3	494.2	446.2	461.6	547.4	600.6	634.9
42.5°	784.2	785.9	770.5	585.1	480.5	521.7	480.5	490.8	597.2	662.4	712.1
45°	907.7	911.2	894.0	667.5	516.5	569.7	535.4	540.5	653.8	756.7	820.2
47.5°	1065.6	1053.6	1036.4	777.3	571.4	624.6	598.9	593.7	720.7	880.3	936.9
50°	1225.2	1202.9	1166.9	928.3	665.8	681.2	664.1	660.6	801.4	1007.3	1069.0
52.5°	1391.6	1374.5	1299.0	1070.8	806.5	763.6	744.7	763.6	906.0	1148.0	1204.6
55°	1479.2	1462.0	1414.0	1223.5	942.1	870.0	837.4	871.7	1067.3	1280.1	1353.9
57.5°	1551.2	1546.1	1523.8	1383.1	1106.8	983.2	950.6	983.2	1196.0	1403.7	1491.2
60°	1654.2	1633.6	1654.2	1537.5	1266.4	1122.2	1077.6	1111.9	1353.9	1511.8	1642.2
62.5°	1728.0	1722.8	1764.0	1710.8	1400.2	1268.1	1202.9	1235.5	1492.9	1626.7	1791.5
65°	1649.0	1674.8	1839.5	1824.1	1551.2	1417.4	1348.7	1338.5	1606.1	1750.3	1951.1
67.5°	1508.3	1525.5	1765.7	1882.4	1683.4	1568.4	1486.0	1438.0	1710.8	1861.8	2078.0
70°	1374.5	1395.1	1614.7	1885.8	1746.9	1762.3	1647.3	1558.1	1815.5	1987.1	2105.5
72.5°	1268.1	1287.0	1484.3	1844.7	1769.2	1956.2	1824.1	1685.1	1916.7	1990.5	1839.5
75°	791.1	804.8	1194.3	1650.8	1782.9	2131.2	1985.4	1803.5	1908.2	1714.2	1237.2
77.5°	243.7	248.8	511.4	1089.6	1549.5	2114.1	1957.9	1695.4	1599.3	1087.9	564.6
80°	84.1	85.8	132.1	387.8	926.6	1604.4	1492.9	1247.5	955.8	401.5	212.8
82.5°	39.5	42.9	61.8	130.4	377.5	876.9	882.0	741.3	401.5	178.5	144.1
85°	13.7	13.7	25.7	56.6	145.9	338.0	320.9	298.6	211.1	161.3	133.8
87.5°	5.1	5.1	8.6	15.4	36.0	72.1	90.9	111.5	111.5	113.3	135.6
90°	5.1	5.1	3.4	3.4	25.7	75.5	90.9	101.2	92.7	103.0	147.6
92.5°	5.1	5.1	3.4	3.4	27.5	87.5	101.2	109.8	97.8	109.8	163.0
95°	5.1	5.1	3.4	3.4	30.9	106.4	118.4	116.7	97.8	115.0	175.0
97.5°	6.9	6.9	3.4	1.7	27.5	113.3	127.0	123.5	84.1	87.5	137.3
100°	6.9	6.9	3.4	1.7	17.2	84.1	101.2	99.5	54.9	13.7	39.5
102.5°	6.9	6.9	3.4	1.7	3.4	39.5	48.0	49.8	32.6	5.1	6.9
105°	8.6	8.6	3.4	1.7	1.7	6.9	15.4	20.6	12.0	3.4	6.9
107.5°	8.6	8.6	3.4	1.7	1.7	3.4	3.4	5.1	5.1	3.4	8.6
110°	8.6	8.6	3.4	3.4	1.7	1.7	1.7	1.7	3.4	3.4	8.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	6.9	6.9	1.7	3.4	1.7	1.7	1.7	1.7	1.7	3.4	8.6
115°	3.4	3.4	1.7	1.7	0.0	1.7	1.7	1.7	1.7	3.4	6.9
117.5°	1.7	1.7	0.0	1.7	0.0	1.7	1.7	1.7	3.4	3.4	8.6
120°	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	5.1	10.3
122.5°	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	5.1	10.3
125°	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	5.1	10.3
127.5°	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	5.1	8.6
130°	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	3.4	6.9
132.5°	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	3.4	5.1
135°	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	3.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
145°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
150°	5.1	5.1	3.4	1.7	0.0	0.0	1.7	1.7	1.7	1.7	1.7
152.5°	3.4	3.4	5.1	1.7	0.0	0.0	1.7	1.7	3.4	1.7	1.7
155°	3.4	3.4	1.7	0.0	0.0	0.0	0.0	1.7	1.7	3.4	3.4
157.5°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
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°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5
2.5°	362.1	360.4	355.2	351.8	346.6	341.5	315.7	300.3	298.6	296.9	298.6
5°	355.2	350.1	341.5	302.0	283.1	266.0	260.8	257.4	248.8	248.8	250.5
7.5°	307.2	303.7	276.3	264.3	248.8	233.4	219.6	209.3	183.6	175.0	171.6
10°	269.4	262.5	214.5	190.5	175.0	157.9	157.9	144.1	137.3	132.1	130.4
12.5°	233.4	228.2	188.8	173.3	130.4	113.3	104.7	96.1	90.9	87.5	85.8
15°	272.8	264.3	202.5	139.0	96.1	80.7	63.5	61.8	77.2	80.7	82.4
17.5°	217.9	223.1	180.2	121.8	78.9	49.8	54.9	65.2	73.8	73.8	72.1
20°	290.0	278.0	195.6	97.8	56.6	49.8	53.2	48.0	68.6	73.8	73.8
22.5°	211.1	200.8	161.3	90.9	44.6	48.0	44.6	56.6	63.5	56.6	58.3
25°	314.0	298.6	187.0	63.5	46.3	41.2	51.5	44.6	61.8	66.9	68.6
27.5°	389.5	338.0	183.6	60.1	41.2	46.3	42.9	51.5	49.8	53.2	53.2
30°	465.0	435.9	207.6	54.9	41.2	39.5	44.6	44.6	56.6	61.8	61.8
32.5°	497.6	463.3	181.9	53.2	41.2	39.5	39.5	48.0	53.2	63.5	63.5
35°	531.9	485.6	152.7	49.8	39.5	37.8	37.8	48.0	56.6	63.5	65.2
37.5°	578.3	509.6	123.5	48.0	37.8	36.0	32.6	42.9	60.1	66.9	68.6
40°	636.6	544.0	96.1	44.6	34.3	32.6	30.9	42.9	51.5	60.1	60.1
42.5°	727.6	581.7	75.5	42.9	32.6	29.2	29.2	36.0	49.8	56.6	56.6
45°	820.2	626.3	63.5	41.2	30.9	27.5	27.5	36.0	37.8	48.0	48.0
47.5°	923.2	670.9	58.3	39.5	30.9	24.0	24.0	32.6	32.6	44.6	46.3
50°	1029.6	708.7	54.9	37.8	27.5	22.3	27.5	22.3	27.5	42.9	46.3
52.5°	1122.2	739.6	51.5	34.3	25.7	20.6	25.7	22.3	27.5	39.5	39.5
55°	1216.6	756.7	49.8	32.6	24.0	17.2	25.7	24.0	25.7	36.0	36.0
57.5°	1300.7	761.9	48.0	32.6	20.6	15.4	24.0	29.2	22.3	29.2	32.6
60°	1376.2	756.7	42.9	29.2	15.4	15.4	25.7	34.3	30.9	34.3	34.3
62.5°	1446.6	737.9	34.3	24.0	12.0	15.4	32.6	37.8	29.2	36.0	39.5
65°	1506.6	712.1	25.7	18.9	8.6	17.2	34.3	42.9	34.3	41.2	44.6
67.5°	1534.1	677.8	20.6	15.4	8.6	18.9	36.0	48.0	39.5	46.3	49.8
70°	1487.7	607.5	17.2	15.4	6.9	22.3	37.8	51.5	44.6	58.3	60.1
72.5°	1235.5	477.0	15.4	15.4	12.0	27.5	48.0	58.3	54.9	78.9	77.2
75°	818.5	260.8	15.4	13.7	15.4	32.6	58.3	68.6	60.1	89.2	89.2
77.5°	377.5	115.0	13.7	15.4	17.2	36.0	66.9	82.4	68.6	101.2	99.5
80°	164.7	70.4	13.7	13.7	18.9	39.5	75.5	92.7	75.5	111.5	111.5
82.5°	123.5	63.5	12.0	13.7	25.7	44.6	87.5	103.0	84.1	120.1	118.4
85°	115.0	60.1	13.7	15.4	29.2	56.6	103.0	111.5	87.5	123.5	123.5
87.5°	116.7	58.3	13.7	15.4	39.5	72.1	116.7	120.1	96.1	130.4	130.4
90°	120.1	60.1	15.4	17.2	44.6	78.9	130.4	128.7	108.1	137.3	137.3
92.5°	128.7	60.1	17.2	18.9	48.0	87.5	142.4	132.1	116.7	142.4	139.0
95°	133.8	60.1	18.9	20.6	56.6	96.1	151.0	128.7	123.5	132.1	128.7
97.5°	99.5	44.6	22.3	24.0	58.3	108.1	139.0	109.8	80.7	78.9	80.7
100°	32.6	15.4	24.0	25.7	37.8	75.5	103.0	78.9	42.9	32.6	32.6
102.5°	8.6	8.6	22.3	24.0	20.6	32.6	60.1	51.5	29.2	1.7	3.4
105°	8.6	6.9	13.7	18.9	12.0	8.6	24.0	29.2	22.3	1.7	1.7
107.5°	8.6	6.9	6.9	10.3	3.4	3.4	6.9	6.9	6.9	1.7	1.7
110°	8.6	6.9	3.4	3.4	3.4	3.4	3.4	1.7	1.7	3.4	3.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.3	6.9	3.4	3.4	3.4	1.7	1.7	1.7	1.7	5.1	6.9
115°	8.6	6.9	1.7	3.4	1.7	1.7	1.7	1.7	3.4	6.9	8.6
117.5°	8.6	6.9	1.7	1.7	1.7	1.7	1.7	1.7	3.4	8.6	10.3
120°	10.3	8.6	1.7	1.7	1.7	1.7	1.7	1.7	3.4	10.3	10.3
122.5°	10.3	8.6	1.7	1.7	1.7	1.7	0.0	1.7	5.1	10.3	10.3
125°	10.3	8.6	1.7	1.7	1.7	0.0	0.0	1.7	5.1	10.3	12.0
127.5°	8.6	6.9	1.7	1.7	1.7	0.0	0.0	1.7	3.4	8.6	10.3
130°	6.9	5.1	1.7	1.7	1.7	0.0	0.0	0.0	3.4	8.6	8.6
132.5°	5.1	3.4	1.7	1.7	1.7	0.0	0.0	0.0	3.4	6.9	6.9
135°	3.4	3.4	1.7	1.7	1.7	0.0	0.0	0.0	1.7	5.1	5.1
137.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	1.7	1.7	1.7
140°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.4	3.4	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.7	1.7	1.7	1.7	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)