

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: P560495

Luminaire Tested: **SDL-PA1-50-722-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-722-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 2200K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3214.6 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G1

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



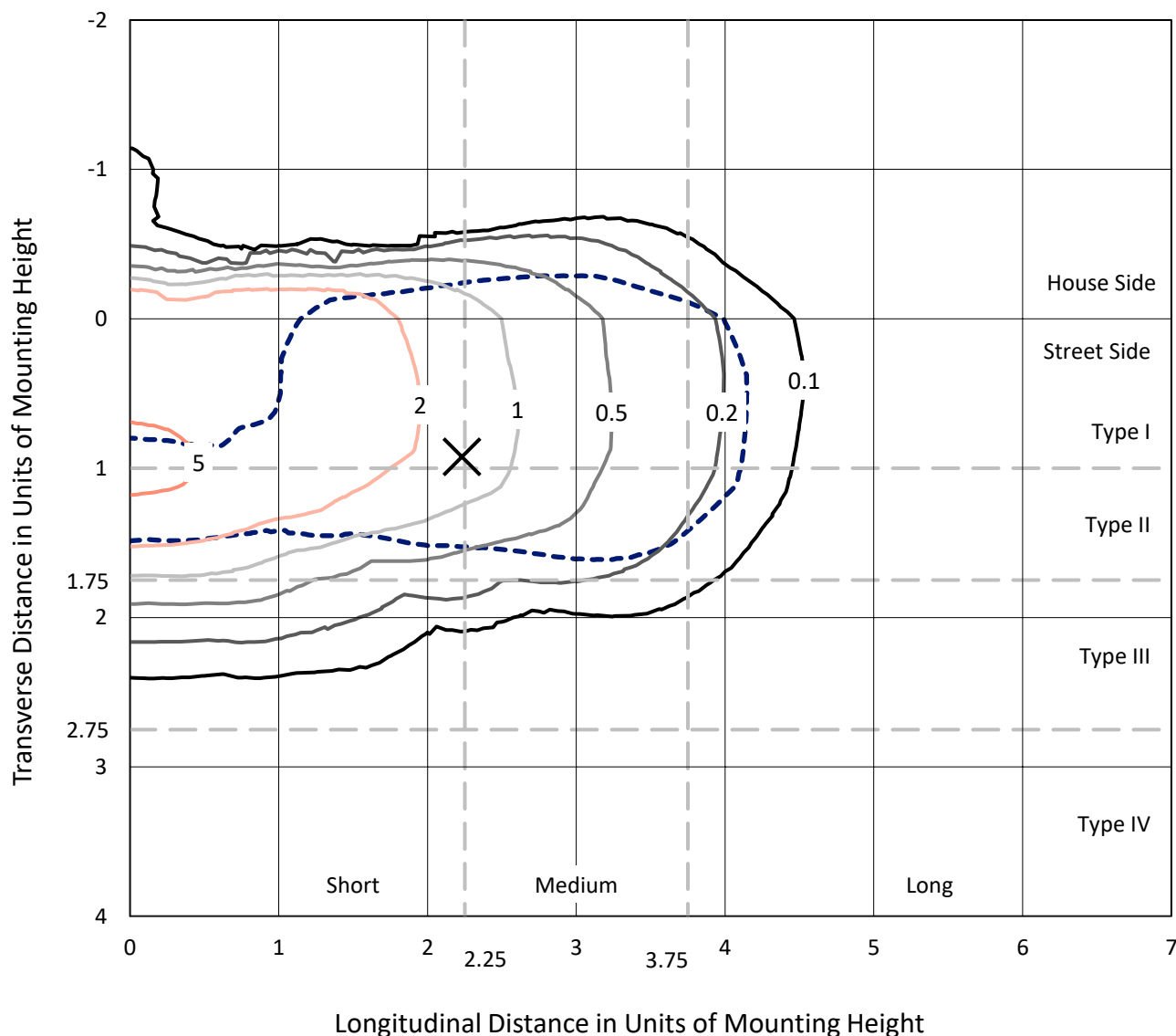
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



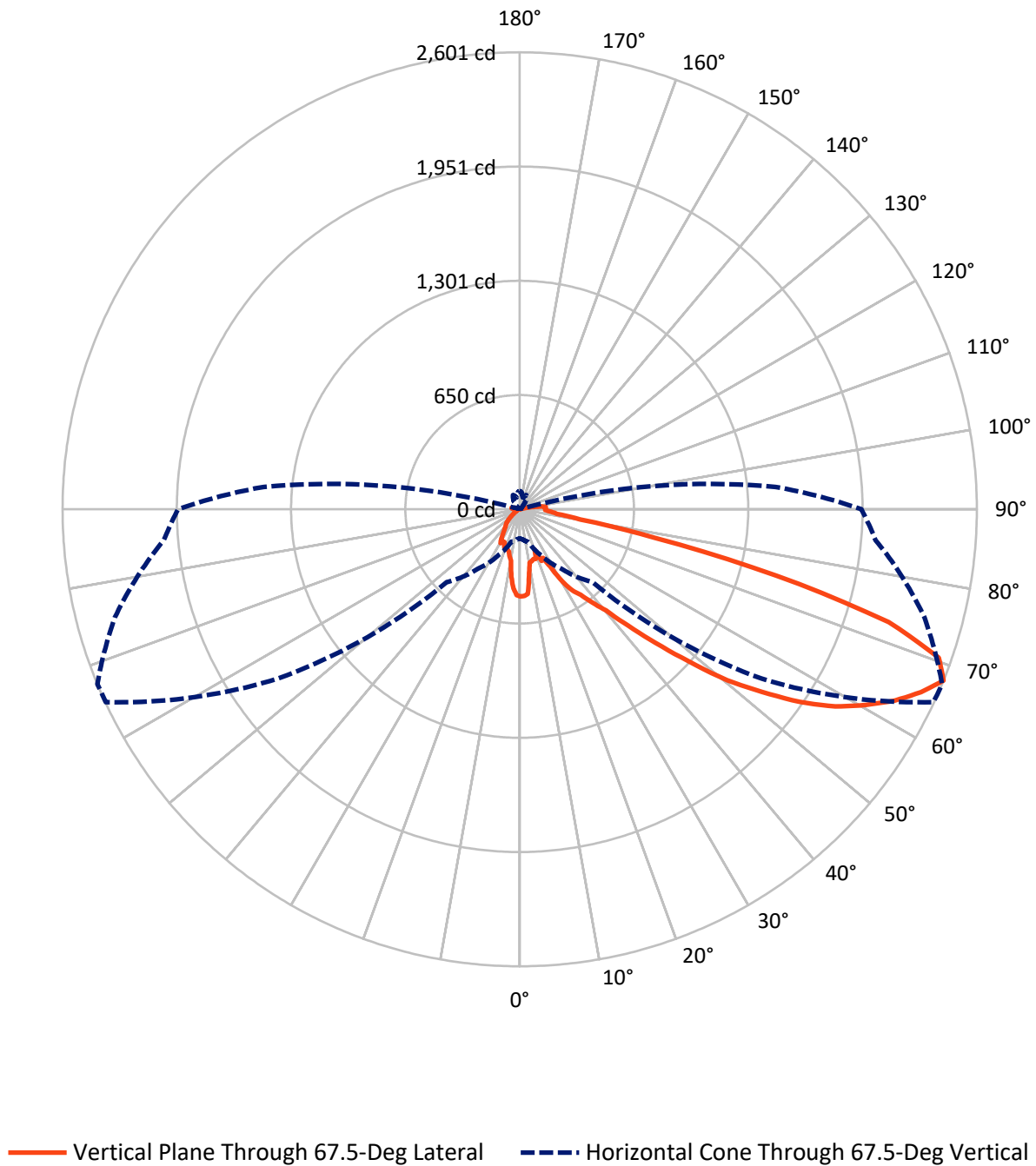
Based on 10 foot mounting height. Maximum calculated value = 6.5 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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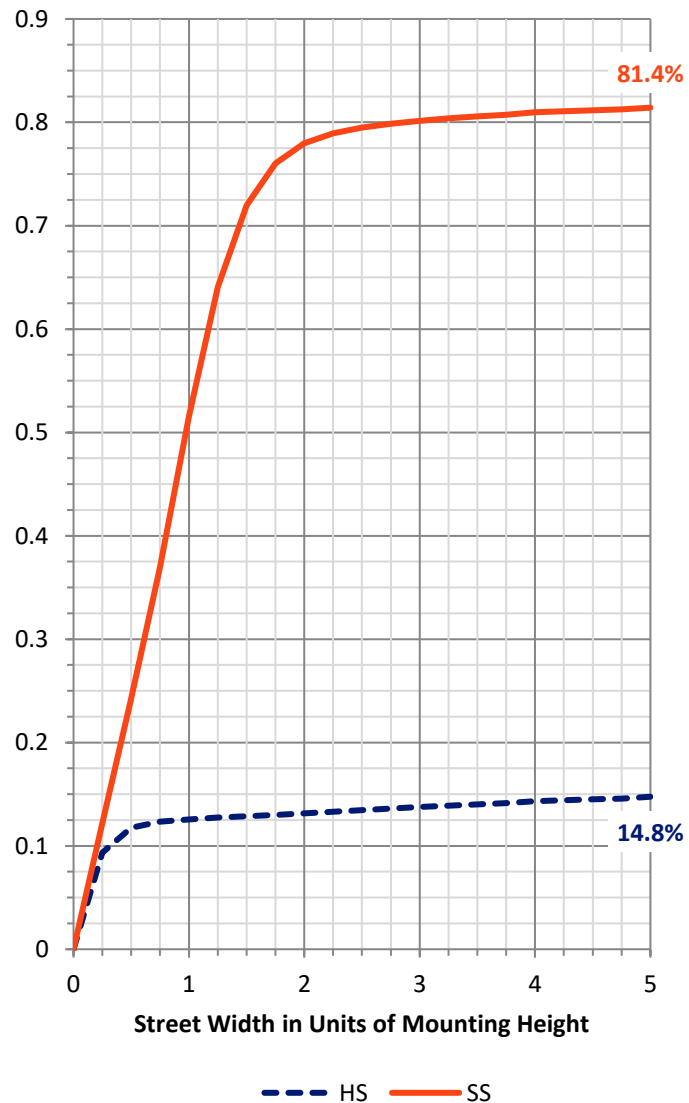
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	503.0	37.4	540.5
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	2634.3	39.8	2674.1
	% Fixture	81.9	1.2	83.2
Total	Lumens	3137.3	77.3	3214.6
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.1	1.2
10°-20°	72.7	2.3
20°-30°	109.6	3.4
30°-40°	252.5	7.9
40°-50°	562.8	17.5
50°-60°	837.5	26.1
60°-70°	746.9	23.2
70°-80°	419.3	13.0
80°-90°	97.9	3.0
90°-100°	53.7	1.7
100°-110°	12.4	0.4
110°-120°	4.8	0.2
120°-130°	3.2	0.1
130°-140°	1.7	0.1
140°-150°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3137.3	97.6
0°-180°	3214.6	100.0

Coefficient of Utilization



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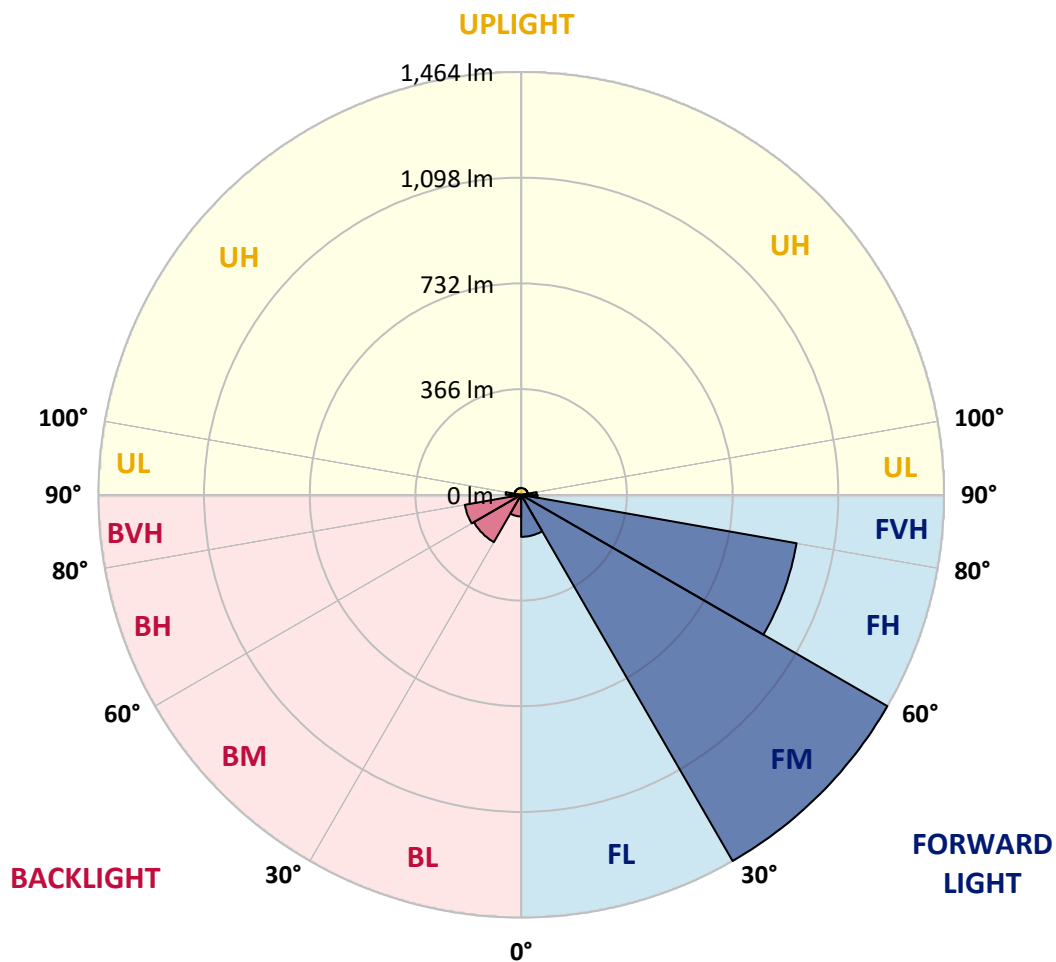
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	145.4	4.5			
FM	(30°-60°)	1463.7	45.5			
FH	(60°-80°)	968.3	30.1			G1/1800
FVH	(80°-90°)	56.8	1.8			G1/100
BL	(0°-30°)	75.0	2.3	B0/110		
BM	(30°-60°)	189.1	5.9	B0/220		
BH	(60°-80°)	197.9	6.2	B1/500		G1/500
BVH	(80°-90°)	41.1	1.3			G1/100
UL	(90°-100°)	53.7	1.7		U3/500	
UH	(100°-180°)	23.5	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	495.9	495.9	495.9	495.9	495.9	495.9	495.9	495.9	495.9	495.9	495.9
2.5°	420.4	444.4	470.1	487.3	490.7	495.9	495.9	494.2	494.2	492.5	492.5
5°	408.4	406.7	408.4	411.8	410.1	410.1	410.1	478.7	483.9	487.3	487.3
7.5°	351.8	360.3	387.8	398.1	401.5	404.9	404.9	399.8	380.9	422.1	427.3
10°	382.6	380.9	380.9	384.4	358.6	348.3	314.0	308.9	308.9	322.6	367.2
12.5°	320.9	339.7	365.5	375.8	346.6	307.1	298.6	305.4	303.7	266.0	310.6
15°	363.8	363.8	360.3	353.5	272.8	305.4	257.4	257.4	293.4	315.7	355.2
17.5°	295.1	303.7	346.6	341.5	300.3	229.9	300.3	276.3	296.8	278.0	298.6
20°	362.0	360.3	362.0	276.3	305.4	315.7	300.3	269.4	245.4	322.6	356.9
22.5°	298.6	295.1	312.3	341.5	288.3	327.7	274.5	327.7	319.2	286.6	257.4
25°	386.1	384.4	387.8	302.0	338.0	293.4	338.0	293.4	307.1	367.2	375.8
27.5°	348.3	346.6	341.5	368.9	320.9	370.6	319.2	358.6	368.9	398.1	461.6
30°	490.7	483.9	466.7	370.6	377.5	356.9	377.5	441.0	475.3	533.6	552.5
32.5°	715.5	679.5	566.2	490.7	399.8	456.4	427.3	518.2	550.8	580.0	595.4
35°	924.9	909.4	827.1	648.6	487.3	504.5	482.2	580.0	598.8	660.6	657.2
37.5°	1211.4	1185.7	1058.7	837.3	612.6	605.7	549.1	660.6	674.3	763.6	746.4
40°	1425.9	1405.3	1305.8	1039.8	779.0	719.0	641.7	772.1	756.7	876.8	852.8
42.5°	1631.8	1619.8	1542.6	1271.5	962.6	894.0	737.8	909.4	906.0	1010.7	990.1
45°	1798.2	1784.5	1734.7	1479.1	1173.7	1175.4	888.8	1060.4	1084.4	1184.0	1130.8
47.5°	1896.0	1866.9	1830.8	1643.8	1386.4	1444.8	1111.9	1232.0	1290.3	1376.1	1295.5
50°	1873.7	1844.6	1848.0	1748.5	1582.0	1676.4	1350.4	1413.9	1530.6	1597.5	1437.9
52.5°	1695.3	1678.1	1734.7	1729.6	1681.6	1889.2	1628.4	1611.2	1726.2	1770.8	1583.8
55°	1441.3	1417.3	1523.7	1599.2	1681.6	2021.3	1885.7	1830.8	1935.5	1928.6	1683.3
57.5°	1094.7	1103.3	1223.4	1341.8	1544.3	2047.0	2076.2	2069.3	2117.4	2059.1	1762.2
60°	748.1	753.3	923.1	1057.0	1266.3	1911.5	2138.0	2266.7	2261.5	2168.9	1851.4
62.5°	470.1	468.4	597.1	808.2	911.1	1556.3	2114.0	2416.0	2397.1	2251.2	1920.1
65°	271.1	278.0	324.3	535.4	633.2	1062.1	1975.0	2561.8	2508.6	2325.0	1993.8
67.5°	166.4	171.6	193.9	290.0	413.5	586.8	1679.8	2597.8	2601.3	2385.1	2033.3
70°	140.7	142.4	152.7	178.5	288.3	329.4	1130.8	2429.7	2529.2	2398.8	2021.3
72.5°	118.4	120.1	135.6	156.1	214.5	233.4	507.9	2007.6	2196.3	2294.1	1933.8
75°	87.5	89.2	111.5	142.4	156.1	187.0	278.0	1329.8	1508.3	1813.7	1649.0
77.5°	56.6	58.3	78.9	115.0	132.1	147.6	224.8	621.1	785.9	1048.4	1041.5
80°	37.7	37.7	46.3	80.6	104.7	120.1	195.6	307.1	350.0	432.4	404.9
82.5°	24.0	24.0	29.2	49.8	66.9	120.1	183.6	219.6	212.8	216.2	192.2
85°	10.3	10.3	15.4	27.5	36.0	78.9	164.7	188.7	180.2	180.2	171.6
87.5°	3.4	3.4	5.1	8.6	12.0	24.0	127.0	151.0	145.8	151.0	163.0
90°	3.4	3.4	1.7	3.4	3.4	17.2	103.0	149.3	145.8	152.7	168.2
92.5°	5.1	5.1	1.7	1.7	3.4	13.7	80.6	154.4	149.3	159.6	175.0
95°	8.6	8.6	3.4	1.7	5.1	12.0	49.8	137.3	149.3	157.9	178.5
97.5°	10.3	10.3	3.4	3.4	5.1	10.3	25.7	111.5	115.0	120.1	140.7
100°	13.7	13.7	3.4	3.4	3.4	8.6	13.7	58.3	60.1	42.9	68.6
102.5°	13.7	13.7	3.4	3.4	3.4	5.1	6.9	25.7	24.0	8.6	8.6
105°	15.4	15.4	5.1	3.4	3.4	3.4	3.4	8.6	8.6	5.1	10.3
107.5°	15.4	15.4	5.1	5.1	3.4	3.4	1.7	3.4	5.1	5.1	10.3
110°	12.0	12.0	5.1	5.1	3.4	1.7	1.7	1.7	3.4	5.1	12.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	8.6	8.6	3.4	5.1	3.4	1.7	1.7	1.7	3.4	6.9	17.2
115°	3.4	3.4	1.7	3.4	1.7	1.7	1.7	3.4	3.4	5.1	13.7
117.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	1.7	5.1	12.0
120°	1.7	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	6.9	12.0
122.5°	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	6.9	12.0
125°	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	5.1	10.3
127.5°	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	3.4	10.3
130°	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	3.4	6.9
132.5°	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	3.4	5.1
135°	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7	3.4
137.5°	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7	1.7
140°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
142.5°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
145°	0.0	0.0	0.0	1.7	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°	1.7	1.7	3.4	3.4	1.7	0.0	3.4	1.7	1.7	1.7	1.7
152.5°	3.4	3.4	3.4	3.4	1.7	0.0	1.7	3.4	1.7	1.7	1.7
155°	3.4	3.4	1.7	1.7	1.7	0.0	1.7	1.7	1.7	3.4	5.1
157.5°	0.0	0.0	0.0	0.0	1.7	0.0	1.7	1.7	0.0	0.0	1.7
160°	0.0	0.0	0.0	0.0	1.7	0.0	1.7	1.7	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	495.9	495.9	495.9	495.9	495.9	495.9	495.9	495.9	495.9	495.9	495.9
2.5°	490.7	490.7	489.0	489.0	483.9	482.2	459.9	435.8	417.0	418.7	418.7
5°	485.6	482.2	477.0	442.7	399.8	392.9	392.9	389.5	387.8	389.5	389.5
7.5°	423.8	420.4	399.8	382.6	384.4	380.9	374.1	372.3	343.2	314.0	312.3
10°	365.5	360.3	305.4	293.4	291.7	303.7	332.9	322.6	312.3	300.3	305.4
12.5°	305.4	303.7	253.9	281.4	245.4	252.2	259.1	248.8	212.8	171.6	176.7
15°	353.5	348.3	288.3	233.4	209.3	211.1	139.0	133.8	108.1	97.8	92.7
17.5°	262.5	288.3	252.2	233.4	211.1	109.8	89.2	68.6	61.8	49.8	51.5
20°	351.8	344.9	288.3	217.9	163.0	92.7	49.8	39.5	48.0	49.8	49.8
22.5°	248.8	241.9	243.7	231.6	115.0	53.2	37.7	39.5	36.0	34.3	34.3
25°	365.5	353.5	295.1	176.7	85.8	34.3	36.0	27.5	32.6	32.6	32.6
27.5°	444.4	403.2	310.6	171.6	48.0	34.3	25.7	27.5	22.3	22.3	22.3
30°	531.9	507.9	406.7	159.6	37.7	27.5	24.0	18.9	20.6	20.6	20.6
32.5°	571.4	538.8	406.7	127.0	32.6	25.7	18.9	17.2	17.2	18.9	18.9
35°	628.0	593.7	404.9	84.1	27.5	20.6	15.4	15.4	15.4	15.4	15.4
37.5°	713.8	664.0	411.8	53.2	22.3	17.2	12.0	13.7	13.7	29.2	29.2
40°	809.9	753.3	392.9	37.7	18.9	13.7	10.3	17.2	24.0	25.7	25.7
42.5°	931.7	869.9	365.5	32.6	17.2	10.3	8.6	13.7	20.6	32.6	32.6
45°	1077.6	984.9	327.7	29.2	13.7	8.6	8.6	17.2	25.7	30.9	30.9
47.5°	1208.0	1096.4	262.5	27.5	12.0	6.9	12.0	18.9	22.3	36.0	36.0
50°	1360.7	1213.1	200.8	24.0	10.3	6.9	18.9	20.6	25.7	32.6	32.6
52.5°	1473.9	1310.9	152.7	22.3	10.3	5.1	18.9	18.9	29.2	37.7	37.7
55°	1564.9	1364.1	109.8	18.9	8.6	5.1	22.3	24.0	25.7	29.2	29.2
57.5°	1635.2	1401.9	85.8	17.2	8.6	12.0	27.5	30.9	27.5	29.2	29.2
60°	1715.9	1420.7	63.5	15.4	6.9	12.0	32.6	41.2	30.9	44.6	42.9
62.5°	1789.7	1434.5	51.5	15.4	6.9	13.7	36.0	51.5	41.2	60.1	61.8
65°	1882.3	1451.6	42.9	12.0	6.9	18.9	42.9	68.6	54.9	78.9	82.4
67.5°	1944.1	1461.9	36.0	12.0	6.9	22.3	60.1	89.2	68.6	99.5	103.0
70°	1950.9	1424.2	29.2	12.0	6.9	34.3	82.4	108.1	85.8	127.0	128.7
72.5°	1861.7	1316.1	24.0	13.7	6.9	37.7	96.1	125.3	101.2	168.2	169.9
75°	1504.8	923.1	22.3	13.7	6.9	48.0	104.7	137.3	113.2	175.0	178.5
77.5°	924.9	427.3	20.6	15.4	10.3	53.2	106.4	145.8	118.4	175.0	180.2
80°	358.6	211.1	18.9	17.2	24.0	60.1	115.0	147.6	118.4	163.0	169.9
82.5°	166.4	123.5	18.9	18.9	30.9	61.8	113.2	137.3	109.8	145.8	144.1
85°	149.3	121.8	20.6	20.6	32.6	53.2	89.2	116.7	94.4	115.0	115.0
87.5°	145.8	120.1	22.3	25.7	32.6	30.9	68.6	99.5	80.6	85.8	85.8
90°	149.3	125.3	24.0	29.2	27.5	17.2	54.9	82.4	61.8	54.9	53.2
92.5°	159.6	127.0	29.2	34.3	25.7	13.7	46.3	66.9	44.6	36.0	34.3
95°	168.2	130.4	36.0	41.2	27.5	12.0	41.2	53.2	32.6	22.3	20.6
97.5°	140.7	101.2	41.2	44.6	27.5	12.0	36.0	42.9	25.7	12.0	12.0
100°	60.1	44.6	42.9	48.0	25.7	10.3	30.9	34.3	17.2	5.1	6.9
102.5°	12.0	13.7	37.7	44.6	20.6	6.9	20.6	20.6	12.0	1.7	3.4
105°	12.0	10.3	24.0	37.7	12.0	3.4	8.6	12.0	5.1	1.7	1.7
107.5°	12.0	12.0	8.6	18.9	5.1	3.4	3.4	5.1	3.4	1.7	1.7
110°	13.7	12.0	3.4	5.1	3.4	3.4	3.4	3.4	1.7	8.6	10.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.2	15.4	3.4	5.1	5.1	3.4	1.7	1.7	3.4	12.0	13.7
115°	15.4	13.7	5.1	5.1	3.4	3.4	1.7	1.7	3.4	13.7	15.4
117.5°	12.0	12.0	5.1	3.4	3.4	3.4	1.7	1.7	3.4	13.7	13.7
120°	13.7	12.0	5.1	3.4	1.7	1.7	1.7	1.7	3.4	10.3	10.3
122.5°	13.7	12.0	5.1	3.4	1.7	1.7	1.7	1.7	3.4	10.3	12.0
125°	12.0	10.3	5.1	3.4	1.7	1.7	1.7	1.7	5.1	10.3	10.3
127.5°	10.3	8.6	3.4	1.7	1.7	1.7	1.7	1.7	5.1	8.6	8.6
130°	6.9	6.9	3.4	1.7	1.7	1.7	1.7	1.7	5.1	6.9	6.9
132.5°	5.1	5.1	3.4	1.7	1.7	1.7	1.7	1.7	3.4	6.9	6.9
135°	5.1	3.4	3.4	1.7	1.7	1.7	1.7	1.7	3.4	5.1	5.1
137.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4
140°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	1.7	1.7
142.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	1.7	1.7
145°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	1.7	1.7
147.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	1.7	1.7
150°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7
152.5°	1.7	1.7	3.4	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7
155°	5.1	5.1	5.1	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7
157.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	1.7	1.7	1.7	1.7	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)