

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: P560865

Luminaire Tested: **SDL-PA1-70-727-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-727-U-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5404 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G1

Input Watts (W): 72.2
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

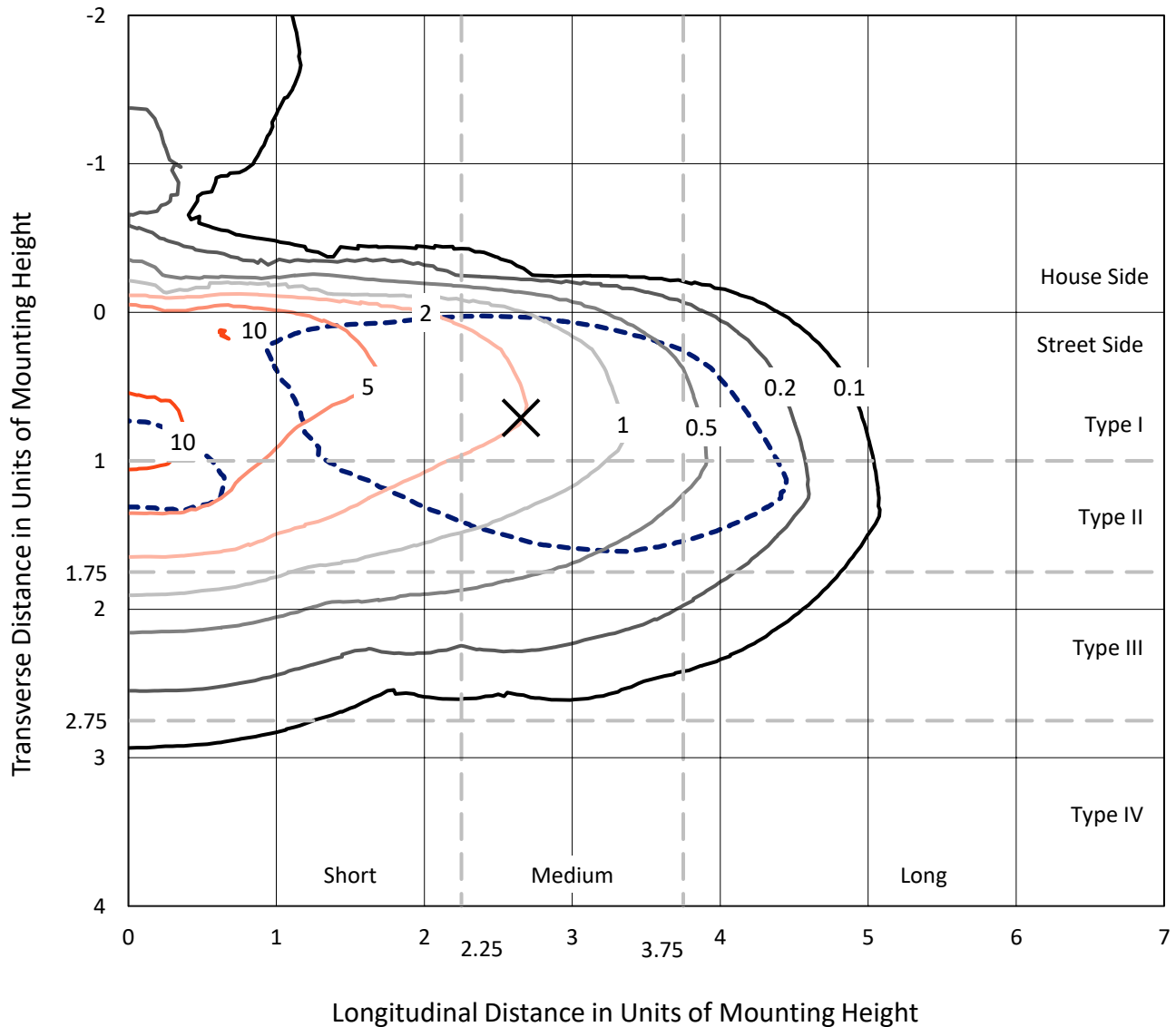


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

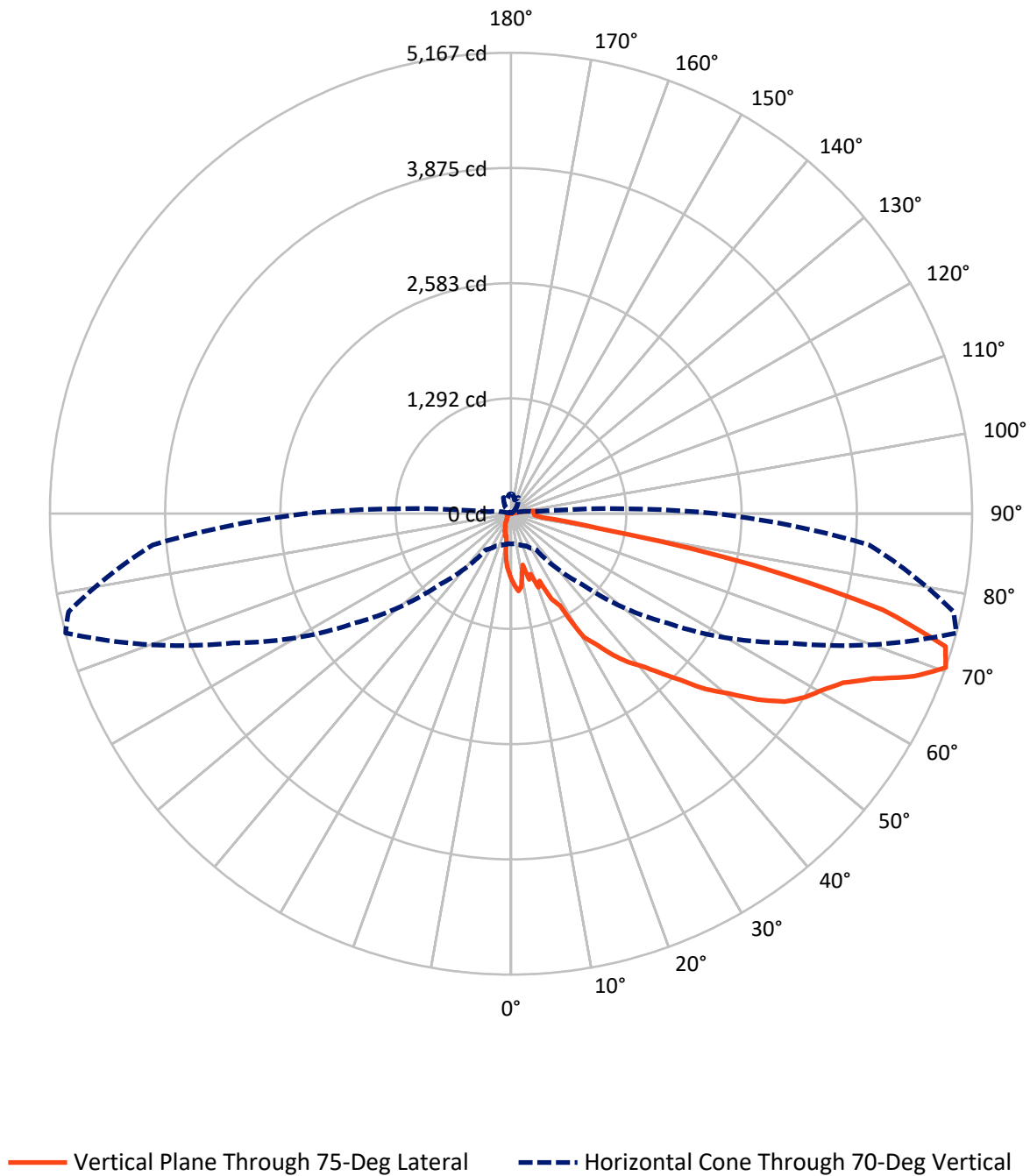


Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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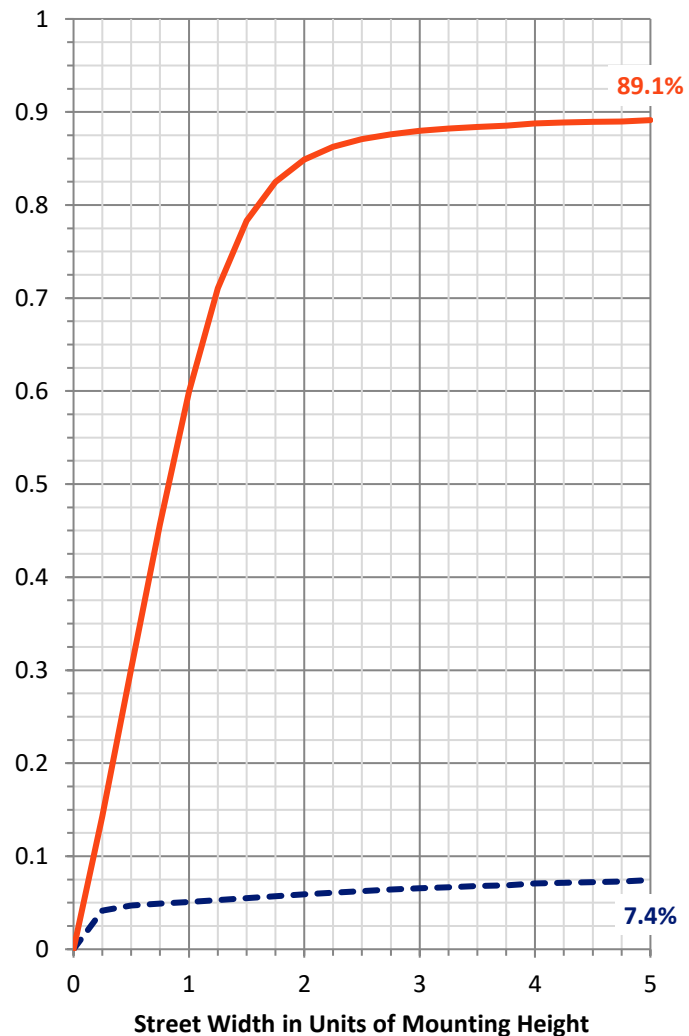
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	440.3	54.7	495.1
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	4840.0	68.9	4908.9
	% Fixture	89.6	1.3	90.8
Total	Lumens	5280.4	123.6	5404.0
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.4	1.1
10°-20°	142.5	2.6
20°-30°	267.4	4.9
30°-40°	600.1	11.1
40°-50°	987.7	18.3
50°-60°	1210.7	22.4
60°-70°	1133.9	21.0
70°-80°	738.4	13.7
80°-90°	141.1	2.6
90°-100°	80.9	1.5
100°-110°	18.2	0.3
110°-120°	9.3	0.2
120°-130°	7.8	0.1
130°-140°	3.8	0.1
140°-150°	1.9	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5280.4	97.7
0°-180°	5404.0	100.0

Coefficient of Utilization



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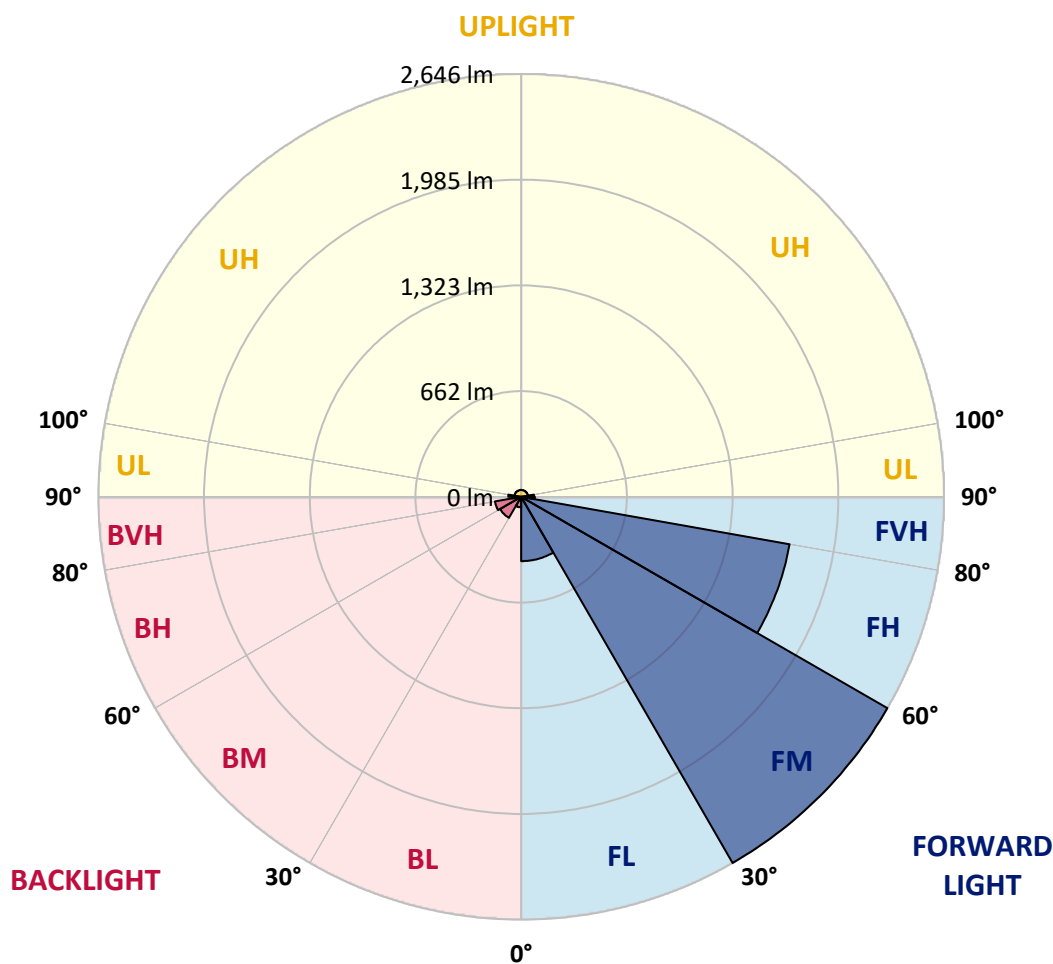
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	402.6	7.4			
FM	(30°-60°)	2646.4	49.0			
FH	(60°-80°)	1705.7	31.6			G1/1800
FVH	(80°-90°)	85.4	1.6			G1/100
BL	(0°-30°)	65.8	1.2	B0/110		
BM	(30°-60°)	152.2	2.8	B0/220		
BH	(60°-80°)	166.7	3.1	B1/500		G1/500
BVH	(80°-90°)	55.7	1.0			G1/100
UL	(90°-100°)	80.9	1.5		U3/500	
UH	(100°-180°)	42.7	0.8		U2/50	

BUG Rating: B1-U3-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2
2.5°	820.3	871.9	887.4	913.2	926.1	910.6	882.2	846.1	807.4	797.1	763.5
5°	931.2	920.9	913.2	913.2	897.7	864.1	833.2	928.6	869.3	856.4	789.3
7.5°	846.1	926.1	985.4	990.5	982.8	957.0	913.2	815.1	828.0	812.6	730.0
10°	1024.1	1026.7	1016.3	1024.1	951.9	915.7	773.9	714.5	668.1	730.0	655.2
12.5°	848.7	975.1	1047.3	1073.1	982.8	864.1	791.9	761.0	590.7	575.2	593.3
15°	1037.0	1042.1	1049.9	1024.1	797.1	905.4	735.2	678.4	766.1	745.5	732.6
17.5°	820.3	830.6	1006.0	995.7	923.5	717.1	874.5	779.0	712.0	686.2	668.1
20°	1044.7	1047.3	1044.7	791.9	861.6	964.7	822.9	797.1	882.2	871.9	825.5
22.5°	877.0	877.0	936.4	1016.3	905.4	967.3	838.4	993.1	820.3	815.1	613.9
25°	1212.4	1212.4	1171.1	897.7	1026.7	910.6	995.7	892.5	1060.2	1024.1	920.9
27.5°	1178.9	1142.7	1078.2	1132.4	993.1	1140.2	964.7	1088.6	1168.5	1202.1	1147.9
30°	1638.0	1638.0	1568.4	1212.4	1163.4	1101.5	1114.4	1302.7	1601.9	1607.1	1387.8
32.5°	2218.4	2177.1	1808.3	1563.2	1271.7	1382.6	1258.8	1532.2	1741.2	1733.5	1475.5
35°	2455.7	2442.8	2329.3	1919.2	1472.9	1514.2	1418.7	1620.0	1929.5	1877.9	1581.3
37.5°	2698.2	2677.6	2561.5	2120.4	1684.4	1738.6	1537.4	1748.9	2102.3	2027.5	1697.3
40°	2847.8	2850.4	2767.8	2280.3	1852.1	1880.5	1679.3	1906.3	2241.6	2257.1	1797.9
42.5°	3005.2	3002.6	2935.5	2468.6	1991.4	2027.5	1792.8	2055.9	2429.9	2448.0	1968.2
45°	3090.3	3085.1	3046.4	2597.6	2102.3	2128.1	1968.2	2239.0	2659.5	2654.3	2107.5
47.5°	3110.9	3118.7	3116.1	2724.0	2218.4	2228.7	2125.5	2373.2	2938.1	2881.3	2290.6
50°	2994.8	3000.0	3036.1	2824.6	2303.5	2313.8	2249.4	2525.4	3172.8	3105.8	2455.7
52.5°	2672.4	2703.4	2855.6	2762.7	2339.6	2378.3	2365.4	2641.4	3459.2	3376.6	2659.5
55°	1986.2	2058.5	2406.7	2530.5	2321.6	2380.9	2468.6	2853.0	3719.7	3619.1	2824.6
57.5°	1583.8	1596.7	1803.1	2143.6	2174.6	2368.0	2577.0	2981.9	3882.2	3781.6	2943.3
60°	1251.1	1271.7	1405.8	1679.3	1898.5	2290.6	2607.9	3113.5	4011.2	3926.1	3074.8
62.5°	969.9	967.3	1070.5	1253.7	1529.7	2128.1	2566.6	3193.5	4176.3	4111.8	3309.6
65°	675.8	675.8	763.5	910.6	1158.2	1836.6	2484.1	3307.0	4457.4	4439.4	3601.0
67.5°	461.7	472.1	531.4	603.6	794.5	1493.6	2360.3	3423.1	4867.6	4782.5	3882.2
70°	337.9	337.9	361.1	399.8	495.3	1114.4	2138.4	3425.6	5166.8	5079.1	4029.2
72.5°	250.2	250.2	268.3	286.3	312.1	740.3	1754.1	3208.9	5089.4	4950.1	3730.0
75°	131.6	131.6	203.8	211.5	208.9	479.8	1294.9	2636.3	4302.7	4070.5	2920.0
77.5°	103.2	105.8	116.1	165.1	152.2	314.7	722.3	1622.5	2780.7	2497.0	1581.3
80°	74.8	72.2	90.3	105.8	90.3	183.1	340.5	712.0	985.4	853.8	521.1
82.5°	43.9	46.4	54.2	77.4	77.4	129.0	221.8	312.1	353.4	350.8	312.1
85°	5.2	7.7	28.4	51.6	46.4	74.8	185.7	216.7	278.6	283.7	278.6
87.5°	5.2	5.2	7.7	10.3	12.9	49.0	157.4	188.3	258.0	276.0	278.6
90°	10.3	7.7	5.2	5.2	7.7	38.7	147.0	193.5	273.4	278.6	291.5
92.5°	12.9	10.3	5.2	2.6	7.7	31.0	139.3	193.5	283.7	301.8	314.7
95°	18.1	15.5	5.2	2.6	7.7	25.8	118.7	183.1	296.6	327.6	340.5
97.5°	23.2	20.6	5.2	5.2	7.7	20.6	92.9	144.5	196.0	221.8	239.9
100°	25.8	25.8	5.2	5.2	7.7	12.9	46.4	80.0	61.9	59.3	67.1
102.5°	28.4	28.4	5.2	5.2	5.2	7.7	15.5	33.5	12.9	12.9	20.6
105°	28.4	28.4	5.2	5.2	5.2	5.2	5.2	12.9	10.3	12.9	23.2
107.5°	25.8	28.4	5.2	7.7	7.7	5.2	5.2	5.2	10.3	15.5	23.2
110°	23.2	23.2	5.2	7.7	7.7	5.2	2.6	5.2	10.3	15.5	25.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	18.1	12.9	2.6	7.7	5.2	5.2	2.6	5.2	12.9	18.1	25.8
115°	7.7	5.2	2.6	5.2	5.2	5.2	2.6	5.2	12.9	20.6	25.8
117.5°	5.2	2.6	2.6	2.6	2.6	5.2	2.6	7.7	18.1	23.2	31.0
120°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	7.7	23.2	25.8	36.1
122.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	23.2	25.8	36.1
125°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	18.1	23.2	31.0
127.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	12.9	18.1	25.8
130°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	12.9	15.5	20.6
132.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	7.7	10.3	15.5
135°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2	10.3
137.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
140°	2.6	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
142.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
145°	2.6	2.6	2.6	2.6	5.2	2.6	2.6	2.6	2.6	2.6	2.6
147.5°	2.6	2.6	2.6	5.2	5.2	5.2	2.6	2.6	2.6	2.6	2.6
150°	5.2	7.7	12.9	10.3	5.2	2.6	5.2	2.6	2.6	2.6	2.6
152.5°	12.9	12.9	10.3	10.3	2.6	2.6	5.2	5.2	2.6	2.6	2.6
155°	10.3	10.3	7.7	2.6	2.6	2.6	2.6	5.2	7.7	10.3	7.7
157.5°	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6
160°	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6
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°	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2	735.2
2.5°	737.7	712.0	655.2	611.4	564.9	539.1	490.1	448.8	417.9	412.7	412.7
5°	737.7	686.2	585.6	477.2	376.6	325.0	296.6	278.6	265.7	260.5	258.0
7.5°	660.4	593.3	459.2	332.8	288.9	242.5	208.9	183.1	159.9	152.2	144.5
10°	577.8	495.3	312.1	229.6	183.1	152.2	136.7	129.0	121.2	118.7	118.7
12.5°	513.3	428.2	250.2	188.3	129.0	108.3	103.2	98.0	95.4	92.9	90.3
15°	626.8	513.3	260.5	129.0	90.3	77.4	72.2	74.8	80.0	80.0	80.0
17.5°	580.4	451.4	216.7	98.0	74.8	56.7	61.9	67.1	72.2	64.5	61.9
20°	693.9	531.4	211.5	77.4	61.9	56.7	54.2	46.4	59.3	59.3	59.3
22.5°	503.0	402.4	159.9	72.2	51.6	49.0	41.3	46.4	49.0	41.3	41.3
25°	745.5	523.6	157.4	56.7	51.6	38.7	41.3	33.5	41.3	41.3	41.3
27.5°	923.5	619.1	139.3	59.3	43.9	38.7	31.0	33.5	31.0	31.0	31.0
30°	1098.9	696.5	126.4	59.3	41.3	31.0	28.4	25.8	31.0	31.0	31.0
32.5°	1150.5	678.4	100.6	61.9	38.7	28.4	23.2	25.8	25.8	28.4	28.4
35°	1209.8	662.9	85.1	54.2	36.1	25.8	20.6	23.2	25.8	28.4	28.4
37.5°	1266.6	637.1	77.4	49.0	31.0	23.2	18.1	20.6	54.2	59.3	59.3
40°	1338.8	606.2	72.2	43.9	25.8	18.1	15.5	41.3	49.0	56.7	56.7
42.5°	1442.0	588.1	67.1	41.3	23.2	15.5	15.5	36.1	69.6	77.4	77.4
45°	1527.1	557.2	64.5	36.1	20.6	12.9	25.8	49.0	56.7	72.2	69.6
47.5°	1632.8	528.8	61.9	33.5	18.1	12.9	28.4	51.6	72.2	82.5	82.5
50°	1746.3	513.3	59.3	31.0	18.1	12.9	49.0	49.0	59.3	92.9	92.9
52.5°	1890.8	503.0	54.2	25.8	15.5	25.8	67.1	59.3	72.2	95.4	95.4
55°	1960.5	469.5	51.6	23.2	12.9	25.8	72.2	67.1	74.8	100.6	100.6
57.5°	2022.4	435.9	46.4	23.2	12.9	33.5	77.4	85.1	72.2	87.7	98.0
60°	2079.1	402.4	41.3	20.6	12.9	41.3	85.1	118.7	100.6	118.7	118.7
62.5°	2210.7	376.6	36.1	23.2	10.3	46.4	110.9	144.5	113.5	144.5	141.9
65°	2334.5	345.7	33.5	20.6	12.9	54.2	121.2	167.7	123.8	167.7	167.7
67.5°	2383.5	307.0	31.0	20.6	12.9	61.9	121.2	185.7	147.0	188.3	190.9
70°	2298.4	252.8	28.4	23.2	15.5	69.6	126.4	198.6	157.4	219.3	219.3
72.5°	1952.7	172.8	28.4	25.8	31.0	77.4	149.6	206.4	165.1	263.1	265.7
75°	1457.4	98.0	31.0	28.4	33.5	87.7	165.1	214.1	172.8	265.7	265.7
77.5°	830.6	67.1	31.0	33.5	41.3	87.7	172.8	221.8	170.2	260.5	255.4
80°	288.9	49.0	31.0	38.7	51.6	87.7	175.4	219.3	165.1	242.5	242.5
82.5°	196.0	41.3	31.0	38.7	61.9	92.9	172.8	206.4	147.0	203.8	196.0
85°	183.1	33.5	33.5	41.3	67.1	92.9	157.4	178.0	123.8	152.2	149.6
87.5°	180.6	31.0	38.7	43.9	72.2	85.1	134.1	147.0	100.6	123.8	121.2
90°	188.3	31.0	41.3	46.4	67.1	69.6	108.3	123.8	82.5	98.0	95.4
92.5°	201.2	31.0	43.9	51.6	59.3	51.6	87.7	98.0	69.6	74.8	72.2
95°	214.1	31.0	49.0	54.2	49.0	38.7	67.1	80.0	56.7	54.2	54.2
97.5°	141.9	23.2	51.6	54.2	41.3	28.4	51.6	61.9	33.5	28.4	28.4
100°	46.4	18.1	54.2	56.7	38.7	20.6	43.9	46.4	25.8	12.9	12.9
102.5°	20.6	18.1	49.0	49.0	33.5	15.5	31.0	33.5	18.1	5.2	5.2
105°	18.1	10.3	28.4	36.1	23.2	7.7	15.5	18.1	10.3	5.2	5.2
107.5°	20.6	10.3	15.5	20.6	10.3	7.7	7.7	7.7	5.2	5.2	5.2
110°	20.6	10.3	7.7	12.9	10.3	7.7	5.2	5.2	5.2	7.7	7.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.2	10.3	7.7	10.3	7.7	7.7	5.2	5.2	10.3	18.1	18.1
115°	23.2	10.3	7.7	10.3	7.7	7.7	5.2	2.6	10.3	25.8	28.4
117.5°	25.8	12.9	5.2	7.7	5.2	5.2	5.2	2.6	12.9	33.5	33.5
120°	31.0	12.9	5.2	5.2	5.2	2.6	5.2	5.2	12.9	36.1	36.1
122.5°	31.0	15.5	5.2	5.2	5.2	2.6	2.6	5.2	15.5	33.5	36.1
125°	25.8	12.9	5.2	5.2	5.2	2.6	2.6	5.2	15.5	31.0	36.1
127.5°	20.6	12.9	5.2	5.2	5.2	2.6	2.6	5.2	15.5	25.8	28.4
130°	18.1	10.3	5.2	5.2	5.2	2.6	2.6	5.2	12.9	20.6	23.2
132.5°	12.9	7.7	5.2	5.2	5.2	2.6	2.6	2.6	12.9	20.6	20.6
135°	10.3	7.7	5.2	5.2	5.2	2.6	2.6	2.6	10.3	15.5	15.5
137.5°	5.2	2.6	5.2	5.2	5.2	2.6	2.6	2.6	7.7	7.7	7.7
140°	2.6	2.6	2.6	5.2	2.6	2.6	2.6	2.6	2.6	5.2	2.6
142.5°	2.6	2.6	2.6	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6
145°	2.6	2.6	2.6	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6
147.5°	2.6	2.6	2.6	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6
150°	2.6	2.6	2.6	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6
152.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	2.6
155°	5.2	5.2	2.6	5.2	2.6	2.6	0.0	2.6	2.6	2.6	2.6
157.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	2.6
160°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	2.6
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)