

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: P561207

Luminaire Tested: **SDL-PA1-90-722-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561207
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-PA1-90-722-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 2200K, 1180mA 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: 5098.1 lumens
Efficiency: N/A
Efficacy: 55.2 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: B1 - U3 - G2

Input Watts (W): 92.4
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

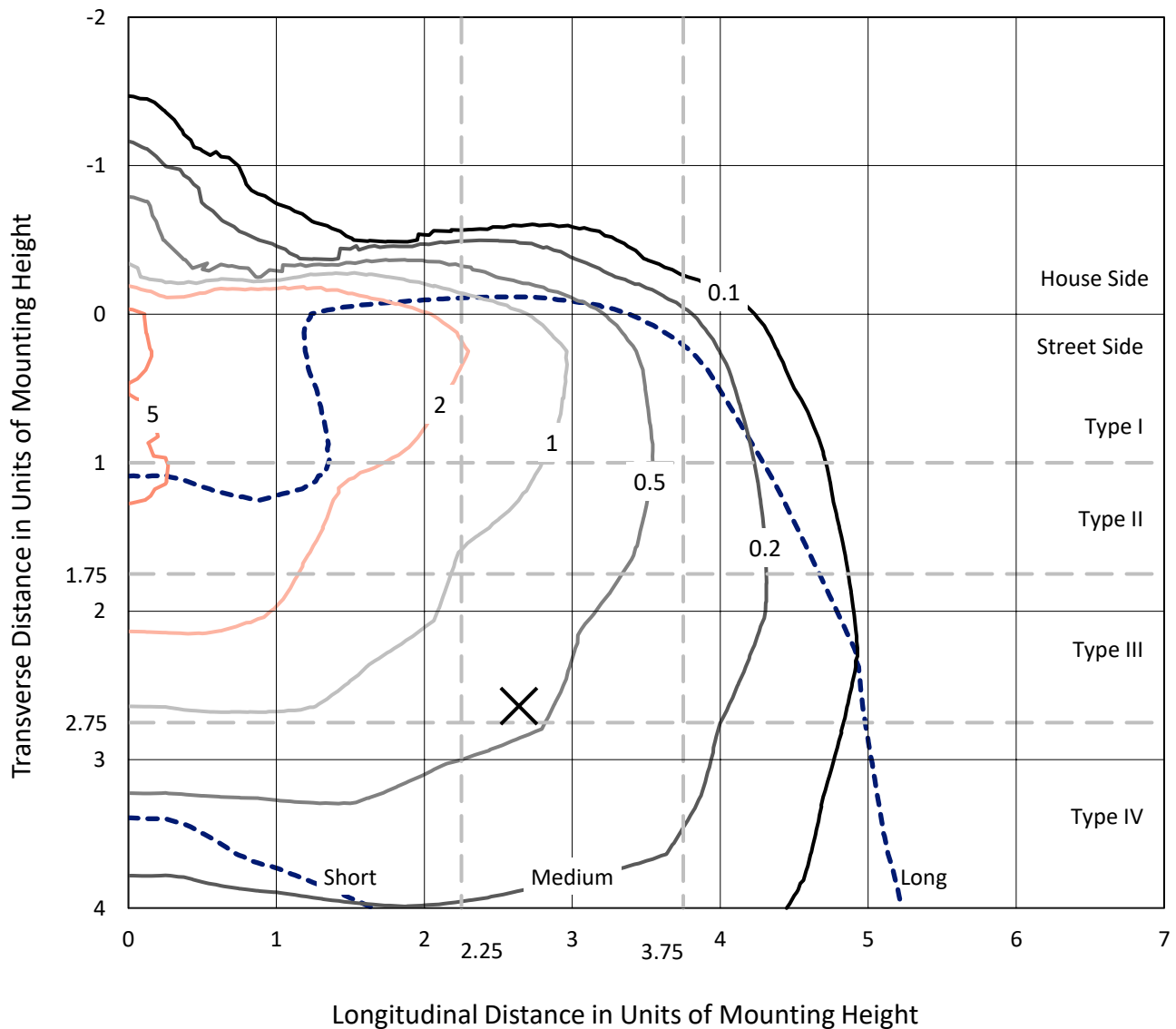


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

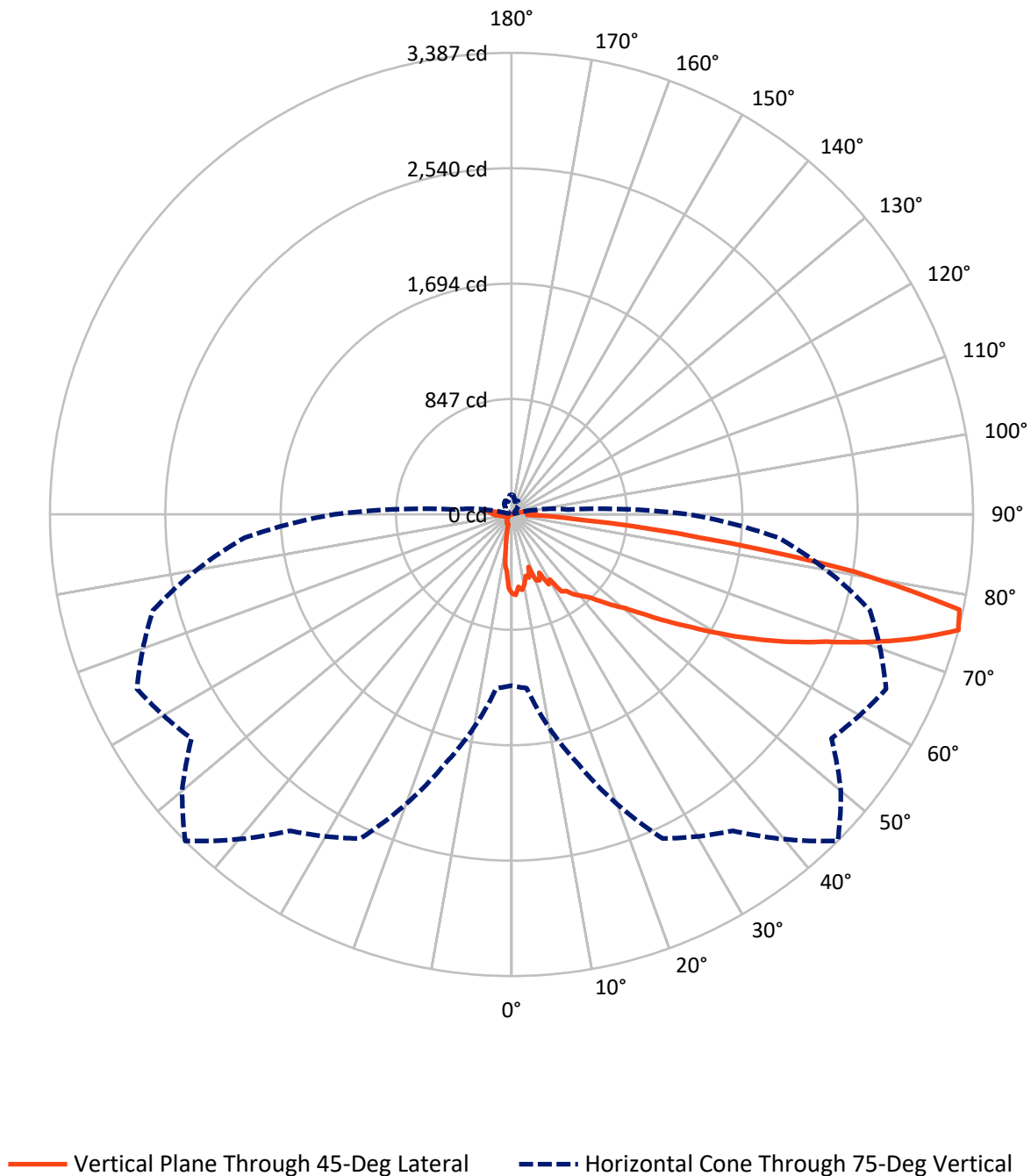


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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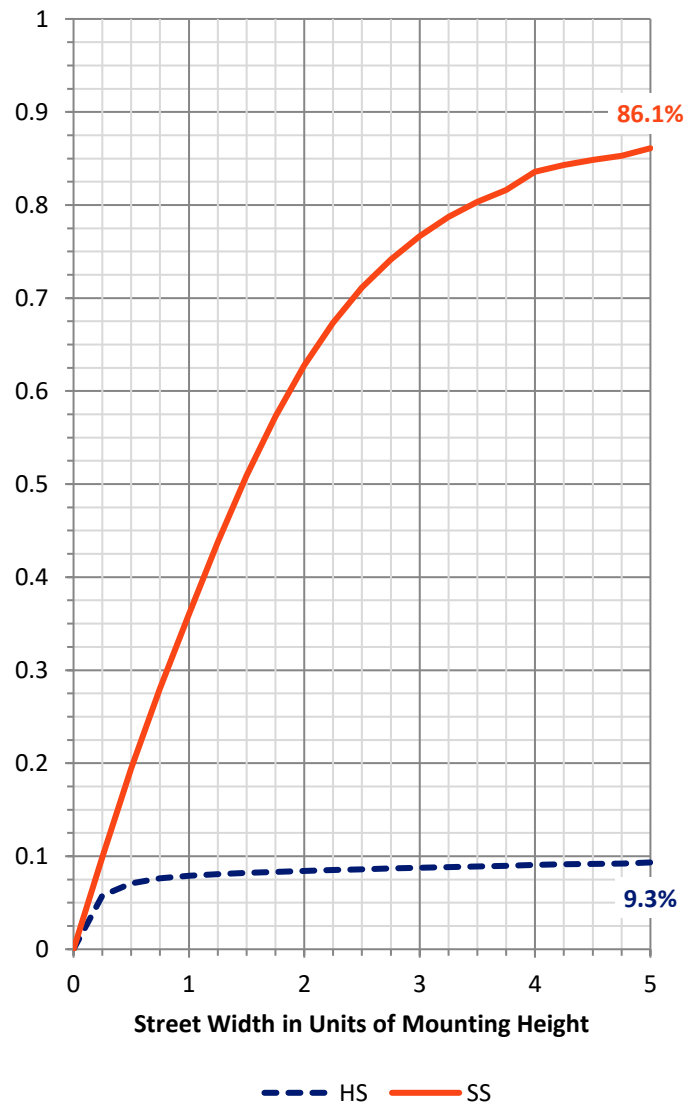
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	523.1	91.5	614.6
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	4412.7	70.7	4483.4
	% Fixture	86.6	1.4	87.9
Total	Lumens	4935.8	162.2	5098.1
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.1	0.9
10°-20°	97.5	1.9
20°-30°	163.6	3.2
30°-40°	303.4	6.0
40°-50°	511.4	10.0
50°-60°	917.9	18.0
60°-70°	1378.2	27.0
70°-80°	1260.9	24.7
80°-90°	257.8	5.1
90°-100°	123.4	2.4
100°-110°	26.3	0.5
110°-120°	5.0	0.1
120°-130°	3.9	0.1
130°-140°	1.8	0.0
140°-150°	0.9	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4935.8	96.8
0°-180°	5098.1	100.0

Coefficient of Utilization



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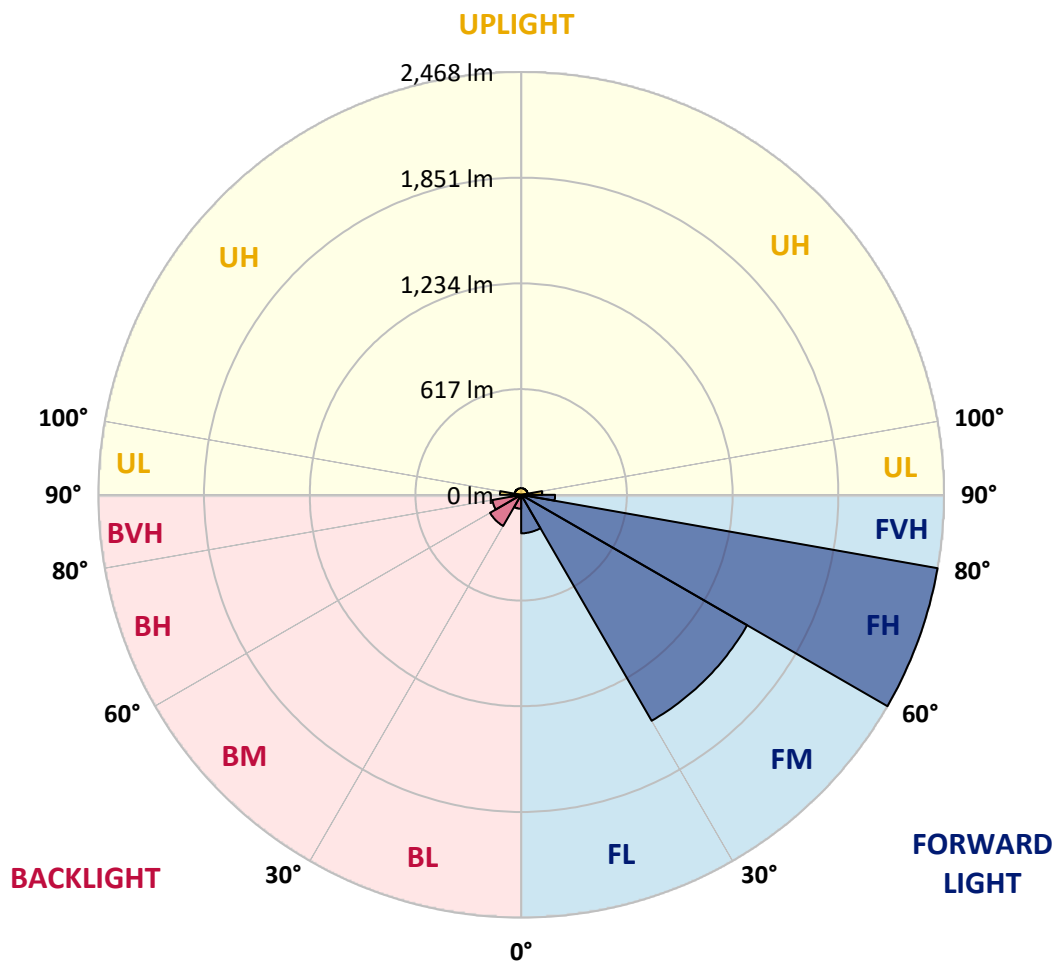
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	224.6	4.4			
FM	(30°-60°)	1522.8	29.9			
FH	(60°-80°)	2467.6	48.4			G2/5000
FVH	(80°-90°)	197.7	3.9			G2/225
BL	(0°-30°)	81.7	1.6	B0/110		
BM	(30°-60°)	209.9	4.1	B0/220		
BH	(60°-80°)	171.4	3.4	B1/500		G1/500
BVH	(80°-90°)	60.1	1.2			G1/100
UL	(90°-100°)	123.4	2.4		U3/500	
UH	(100°-180°)	38.9	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	580.9	580.9	580.9	580.9	580.9	580.9	580.9	580.9	580.9	580.9	580.9
2.5°	564.5	591.8	583.6	597.2	594.5	591.8	591.8	594.5	591.8	586.3	580.9
5°	575.4	567.3	561.8	559.1	548.2	534.5	529.1	523.6	580.9	580.9	570.0
7.5°	591.8	591.8	580.9	572.7	572.7	559.1	545.4	534.5	507.3	499.1	499.1
10°	630.0	624.5	616.3	600.0	518.2	520.9	490.9	430.9	403.6	414.5	430.9
12.5°	638.2	635.4	624.5	621.8	545.4	463.6	384.5	430.9	411.8	343.6	381.8
15°	684.5	679.1	657.2	619.1	466.3	480.0	447.3	384.5	368.2	420.0	450.0
17.5°	583.6	583.6	654.5	600.0	507.3	403.6	400.9	447.3	403.6	376.3	373.6
20°	717.2	717.2	687.2	490.9	520.9	515.4	414.5	469.1	395.4	447.3	477.3
22.5°	597.2	594.5	616.3	608.2	499.1	526.3	425.4	428.2	471.8	403.6	346.3
25°	728.2	728.2	711.8	529.1	567.3	474.5	485.4	512.7	420.0	510.0	515.4
27.5°	627.2	624.5	594.5	605.4	529.1	580.9	441.8	482.7	515.4	550.9	605.4
30°	766.3	771.8	758.2	575.4	589.1	553.6	526.3	559.1	624.5	733.6	769.1
32.5°	946.3	951.8	807.2	692.7	591.8	673.6	564.5	616.3	717.2	769.1	807.2
35°	1052.7	1011.8	949.1	774.5	638.2	690.0	649.1	657.2	747.2	829.1	856.3
37.5°	1142.7	1088.1	1014.5	799.1	673.6	744.5	676.3	687.2	810.0	883.6	919.1
40°	1172.7	1140.0	1099.0	853.6	717.2	785.4	709.1	733.6	870.0	954.5	1009.1
42.5°	1246.3	1249.0	1224.5	930.0	763.6	829.1	763.6	780.0	949.1	1052.7	1131.8
45°	1442.7	1448.1	1420.9	1060.9	820.9	905.4	850.9	859.1	1039.0	1202.7	1303.6
47.5°	1693.6	1674.5	1647.2	1235.4	908.1	992.7	951.8	943.6	1145.4	1399.0	1489.0
50°	1947.2	1911.7	1854.5	1475.4	1058.1	1082.7	1055.4	1050.0	1273.6	1600.8	1699.0
52.5°	2211.7	2184.5	2064.5	1701.8	1281.8	1213.6	1183.6	1213.6	1439.9	1824.5	1914.5
55°	2350.8	2323.5	2247.2	1944.5	1497.2	1382.7	1330.9	1385.4	1696.3	2034.5	2151.7
57.5°	2465.4	2457.2	2421.7	2198.1	1759.0	1562.7	1510.8	1562.7	1900.8	2230.8	2369.9
60°	2629.0	2596.3	2629.0	2443.5	2012.6	1783.6	1712.7	1767.2	2151.7	2402.6	2609.9
62.5°	2746.3	2738.1	2803.5	2719.0	2225.4	2015.4	1911.7	1963.6	2372.6	2585.4	2847.2
65°	2620.8	2661.7	2923.5	2899.0	2465.4	2252.6	2143.6	2127.2	2552.6	2781.7	3100.8
67.5°	2397.2	2424.4	2806.3	2991.7	2675.3	2492.6	2361.7	2285.4	2719.0	2959.0	3302.6
70°	2184.5	2217.2	2566.3	2997.2	2776.3	2800.8	2618.1	2476.3	2885.3	3158.1	3346.2
72.5°	2015.4	2045.4	2359.0	2931.7	2811.7	3109.0	2899.0	2678.1	3046.2	3163.5	2923.5
75°	1257.2	1279.0	1898.1	2623.5	2833.5	3387.1	3155.3	2866.2	3032.6	2724.4	1966.3
77.5°	387.3	395.4	812.7	1731.7	2462.6	3359.9	3111.7	2694.4	2541.7	1729.0	897.2
80°	133.6	136.4	210.0	616.3	1472.7	2549.9	2372.6	1982.6	1519.0	638.2	338.2
82.5°	62.7	68.2	98.2	207.3	600.0	1393.6	1401.8	1178.1	638.2	283.6	229.1
85°	21.8	21.8	40.9	90.0	231.8	537.3	510.0	474.5	335.4	256.4	212.7
87.5°	8.2	8.2	13.6	24.5	57.3	114.5	144.5	177.3	177.3	180.0	215.4
90°	8.2	8.2	5.5	5.5	40.9	120.0	144.5	160.9	147.3	163.6	234.5
92.5°	8.2	8.2	5.5	5.5	43.6	139.1	160.9	174.5	155.4	174.5	259.1
95°	8.2	8.2	5.5	5.5	49.1	169.1	188.2	185.4	155.4	182.7	278.2
97.5°	10.9	10.9	5.5	2.7	43.6	180.0	201.8	196.4	133.6	139.1	218.2
100°	10.9	10.9	5.5	2.7	27.3	133.6	160.9	158.2	87.3	21.8	62.7
102.5°	10.9	10.9	5.5	2.7	5.5	62.7	76.4	79.1	51.8	8.2	10.9
105°	13.6	13.6	5.5	2.7	2.7	10.9	24.5	32.7	19.1	5.5	10.9
107.5°	13.6	13.6	5.5	2.7	2.7	5.5	5.5	8.2	8.2	5.5	13.6
110°	13.6	13.6	5.5	5.5	2.7	2.7	2.7	2.7	5.5	5.5	13.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	10.9	10.9	2.7	5.5	2.7	2.7	2.7	2.7	2.7	5.5	13.6
115°	5.5	5.5	2.7	2.7	0.0	2.7	2.7	2.7	2.7	5.5	10.9
117.5°	2.7	2.7	0.0	2.7	0.0	2.7	2.7	2.7	5.5	5.5	13.6
120°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	8.2	16.4
122.5°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	8.2	16.4
125°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	8.2	16.4
127.5°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	8.2	13.6
130°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	5.5	10.9
132.5°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	5.5	8.2
135°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	5.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
145°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	8.2	8.2	5.5	2.7	0.0	0.0	2.7	2.7	2.7	2.7	2.7
152.5°	5.5	5.5	8.2	2.7	0.0	0.0	2.7	2.7	5.5	2.7	2.7
155°	5.5	5.5	2.7	0.0	0.0	0.0	0.0	2.7	2.7	5.5	5.5
157.5°	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
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°	580.9	580.9	580.9	580.9	580.9	580.9	580.9	580.9	580.9	580.9	580.9
2.5°	575.4	572.7	564.5	559.1	550.9	542.7	501.8	477.3	474.5	471.8	474.5
5°	564.5	556.3	542.7	480.0	450.0	422.7	414.5	409.1	395.4	395.4	398.2
7.5°	488.2	482.7	439.1	420.0	395.4	370.9	349.1	332.7	291.8	278.2	272.7
10°	428.2	417.3	340.9	302.7	278.2	250.9	250.9	229.1	218.2	210.0	207.3
12.5°	370.9	362.7	300.0	275.4	207.3	180.0	166.4	152.7	144.5	139.1	136.4
15°	433.6	420.0	321.8	220.9	152.7	128.2	100.9	98.2	122.7	128.2	130.9
17.5°	346.3	354.5	286.4	193.6	125.4	79.1	87.3	103.6	117.3	117.3	114.5
20°	460.9	441.8	310.9	155.4	90.0	79.1	84.5	76.4	109.1	117.3	117.3
22.5°	335.4	319.1	256.4	144.5	70.9	76.4	70.9	90.0	100.9	90.0	92.7
25°	499.1	474.5	297.3	100.9	73.6	65.5	81.8	70.9	98.2	106.4	109.1
27.5°	619.1	537.3	291.8	95.5	65.5	73.6	68.2	81.8	79.1	84.5	84.5
30°	739.1	692.7	330.0	87.3	65.5	62.7	70.9	70.9	90.0	98.2	98.2
32.5°	790.9	736.3	289.1	84.5	65.5	62.7	62.7	76.4	84.5	100.9	100.9
35°	845.4	771.8	242.7	79.1	62.7	60.0	60.0	76.4	90.0	100.9	103.6
37.5°	919.1	810.0	196.4	76.4	60.0	57.3	51.8	68.2	95.5	106.4	109.1
40°	1011.8	864.5	152.7	70.9	54.5	51.8	49.1	68.2	81.8	95.5	95.5
42.5°	1156.3	924.5	120.0	68.2	51.8	46.4	46.4	57.3	79.1	90.0	90.0
45°	1303.6	995.4	100.9	65.5	49.1	43.6	43.6	57.3	60.0	76.4	76.4
47.5°	1467.2	1066.3	92.7	62.7	49.1	38.2	38.2	51.8	51.8	70.9	73.6
50°	1636.3	1126.3	87.3	60.0	43.6	35.5	43.6	35.5	43.6	68.2	73.6
52.5°	1783.6	1175.4	81.8	54.5	40.9	32.7	40.9	35.5	43.6	62.7	62.7
55°	1933.6	1202.7	79.1	51.8	38.2	27.3	40.9	38.2	40.9	57.3	57.3
57.5°	2067.2	1210.9	76.4	51.8	32.7	24.5	38.2	46.4	35.5	46.4	51.8
60°	2187.2	1202.7	68.2	46.4	24.5	24.5	40.9	54.5	49.1	54.5	54.5
62.5°	2299.0	1172.7	54.5	38.2	19.1	24.5	51.8	60.0	46.4	57.3	62.7
65°	2394.5	1131.8	40.9	30.0	13.6	27.3	54.5	68.2	54.5	65.5	70.9
67.5°	2438.1	1077.2	32.7	24.5	13.6	30.0	57.3	76.4	62.7	73.6	79.1
70°	2364.5	965.4	27.3	24.5	10.9	35.5	60.0	81.8	70.9	92.7	95.5
72.5°	1963.6	758.2	24.5	24.5	19.1	43.6	76.4	92.7	87.3	125.4	122.7
75°	1300.9	414.5	24.5	21.8	24.5	51.8	92.7	109.1	95.5	141.8	141.8
77.5°	600.0	182.7	21.8	24.5	27.3	57.3	106.4	130.9	109.1	160.9	158.2
80°	261.8	111.8	21.8	21.8	30.0	62.7	120.0	147.3	120.0	177.3	177.3
82.5°	196.4	100.9	19.1	21.8	40.9	70.9	139.1	163.6	133.6	190.9	188.2
85°	182.7	95.5	21.8	24.5	46.4	90.0	163.6	177.3	139.1	196.4	196.4
87.5°	185.4	92.7	21.8	24.5	62.7	114.5	185.4	190.9	152.7	207.3	207.3
90°	190.9	95.5	24.5	27.3	70.9	125.4	207.3	204.5	171.8	218.2	218.2
92.5°	204.5	95.5	27.3	30.0	76.4	139.1	226.4	210.0	185.4	226.4	220.9
95°	212.7	95.5	30.0	32.7	90.0	152.7	240.0	204.5	196.4	210.0	204.5
97.5°	158.2	70.9	35.5	38.2	92.7	171.8	220.9	174.5	128.2	125.4	128.2
100°	51.8	24.5	38.2	40.9	60.0	120.0	163.6	125.4	68.2	51.8	51.8
102.5°	13.6	13.6	35.5	38.2	32.7	51.8	95.5	81.8	46.4	2.7	5.5
105°	13.6	10.9	21.8	30.0	19.1	13.6	38.2	46.4	35.5	2.7	2.7
107.5°	13.6	10.9	10.9	16.4	5.5	5.5	10.9	10.9	10.9	2.7	2.7
110°	13.6	10.9	5.5	5.5	5.5	5.5	5.5	2.7	2.7	5.5	5.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.4	10.9	5.5	5.5	5.5	2.7	2.7	2.7	2.7	8.2	10.9
115°	13.6	10.9	2.7	5.5	2.7	2.7	2.7	2.7	5.5	10.9	13.6
117.5°	13.6	10.9	2.7	2.7	2.7	2.7	2.7	2.7	5.5	13.6	16.4
120°	16.4	13.6	2.7	2.7	2.7	2.7	2.7	2.7	5.5	16.4	16.4
122.5°	16.4	13.6	2.7	2.7	2.7	2.7	0.0	2.7	8.2	16.4	16.4
125°	16.4	13.6	2.7	2.7	2.7	0.0	0.0	2.7	8.2	16.4	19.1
127.5°	13.6	10.9	2.7	2.7	2.7	0.0	0.0	2.7	5.5	13.6	16.4
130°	10.9	8.2	2.7	2.7	2.7	0.0	0.0	0.0	5.5	13.6	13.6
132.5°	8.2	5.5	2.7	2.7	2.7	0.0	0.0	0.0	5.5	10.9	10.9
135°	5.5	5.5	2.7	2.7	2.7	0.0	0.0	0.0	2.7	8.2	8.2
137.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7	2.7
140°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	5.5	5.5	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.7	2.7	2.7	2.7	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)