

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: P561097

Luminaire Tested: **SDL-PA1-80-740-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561097
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-PA1-80-740-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 1050mA 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: 6328.5 lumens
Efficiency: N/A
Efficacy: 77.2 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 - G3

Input Watts (W): 82
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



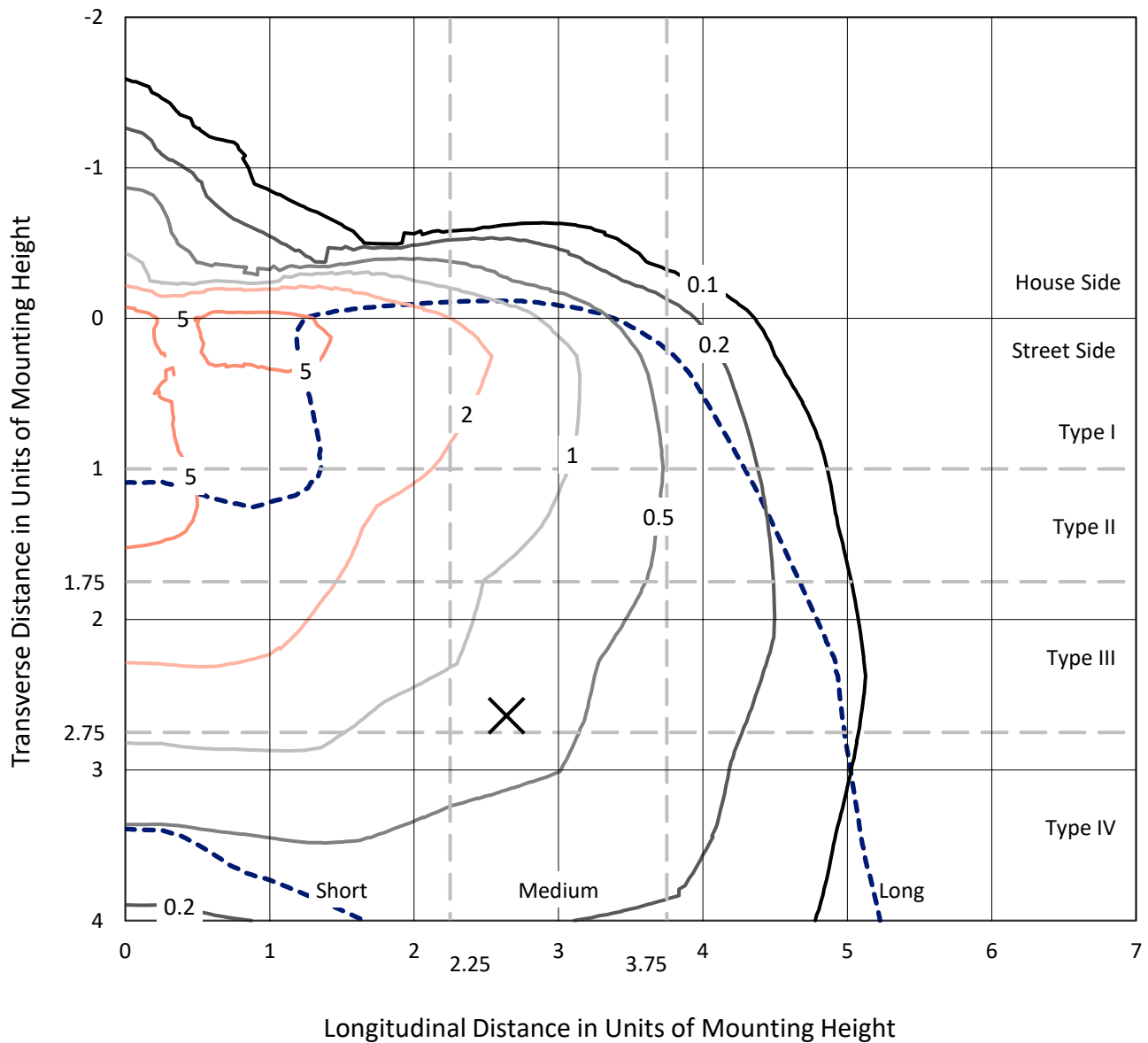
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

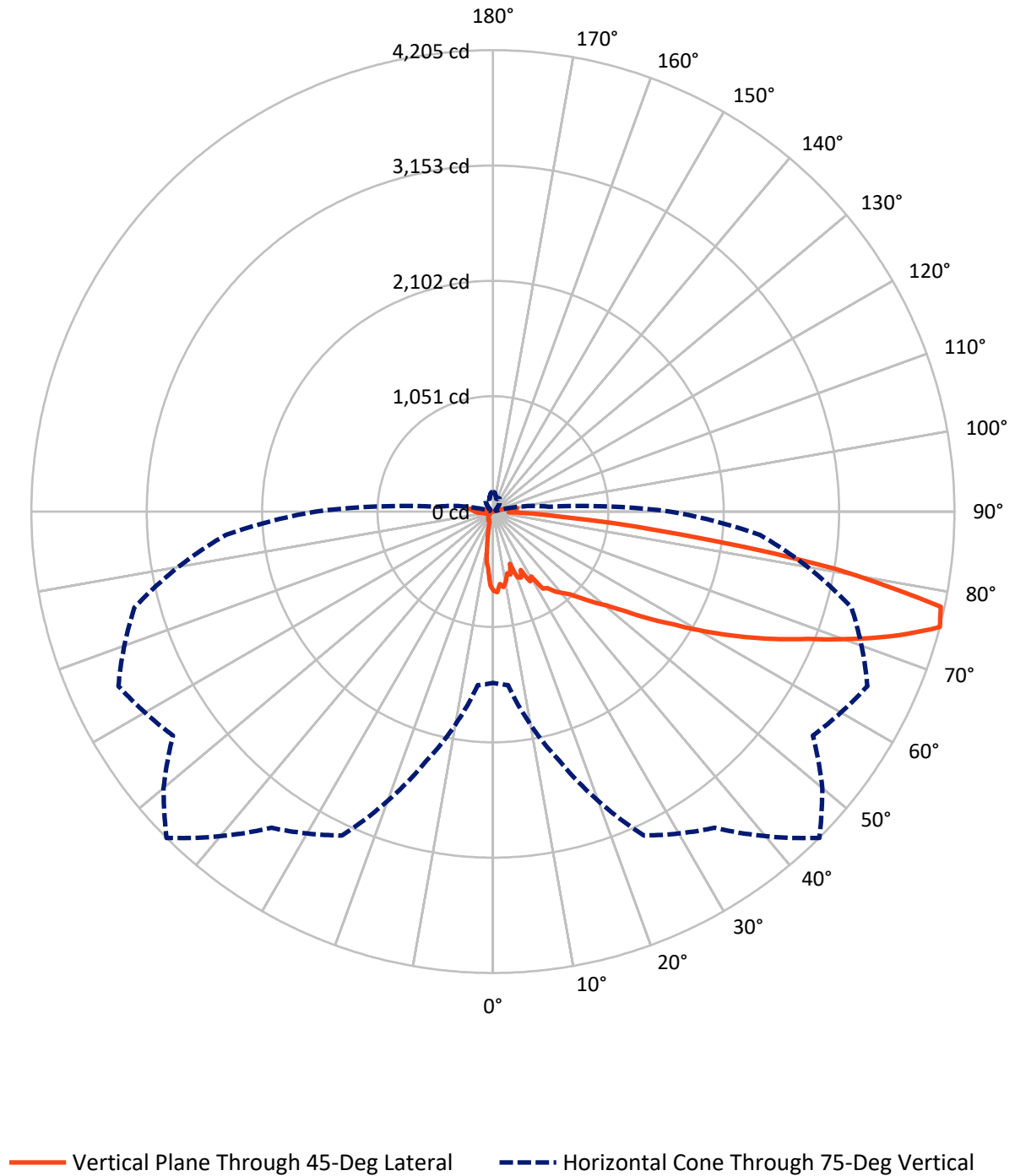


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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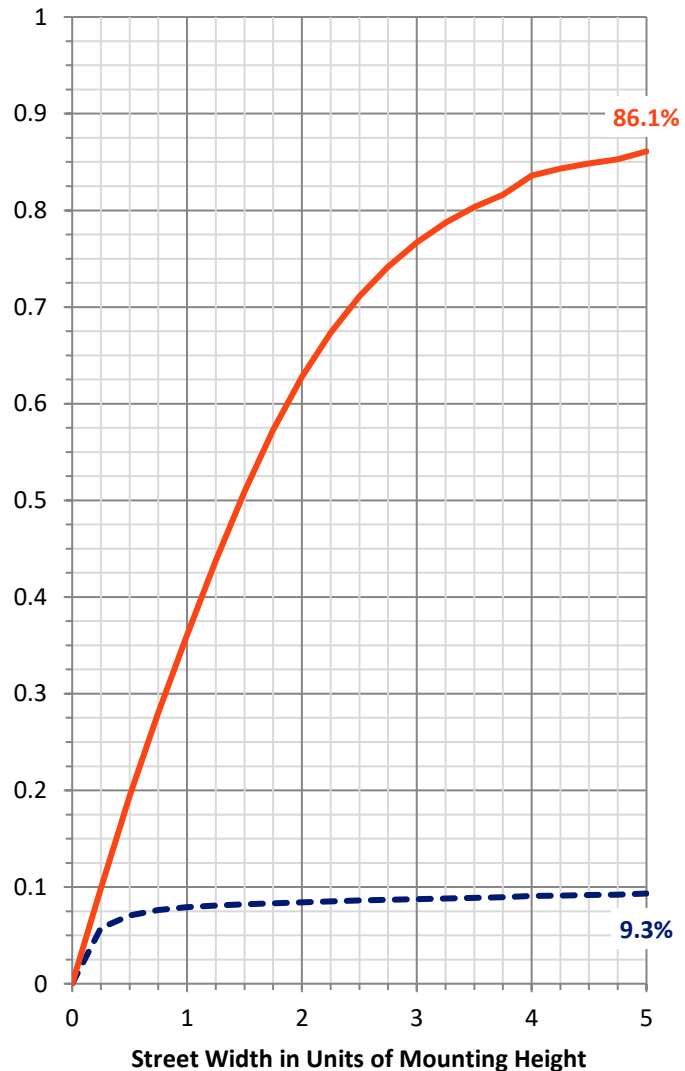
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	649.4	113.6	763.0
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	5477.7	87.8	5565.5
	% Fixture	86.6	1.4	87.9
Total	Lumens	6127.1	201.5	6328.5
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	0.9
10°-20°	121.1	1.9
20°-30°	203.1	3.2
30°-40°	376.7	6.0
40°-50°	634.8	10.0
50°-60°	1139.4	18.0
60°-70°	1710.8	27.0
70°-80°	1565.2	24.7
80°-90°	320.0	5.1
90°-100°	153.1	2.4
100°-110°	32.6	0.5
110°-120°	6.2	0.1
120°-130°	4.9	0.1
130°-140°	2.2	0.0
140°-150°	1.2	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6127.1	96.8
0°-180°	6328.5	100.0



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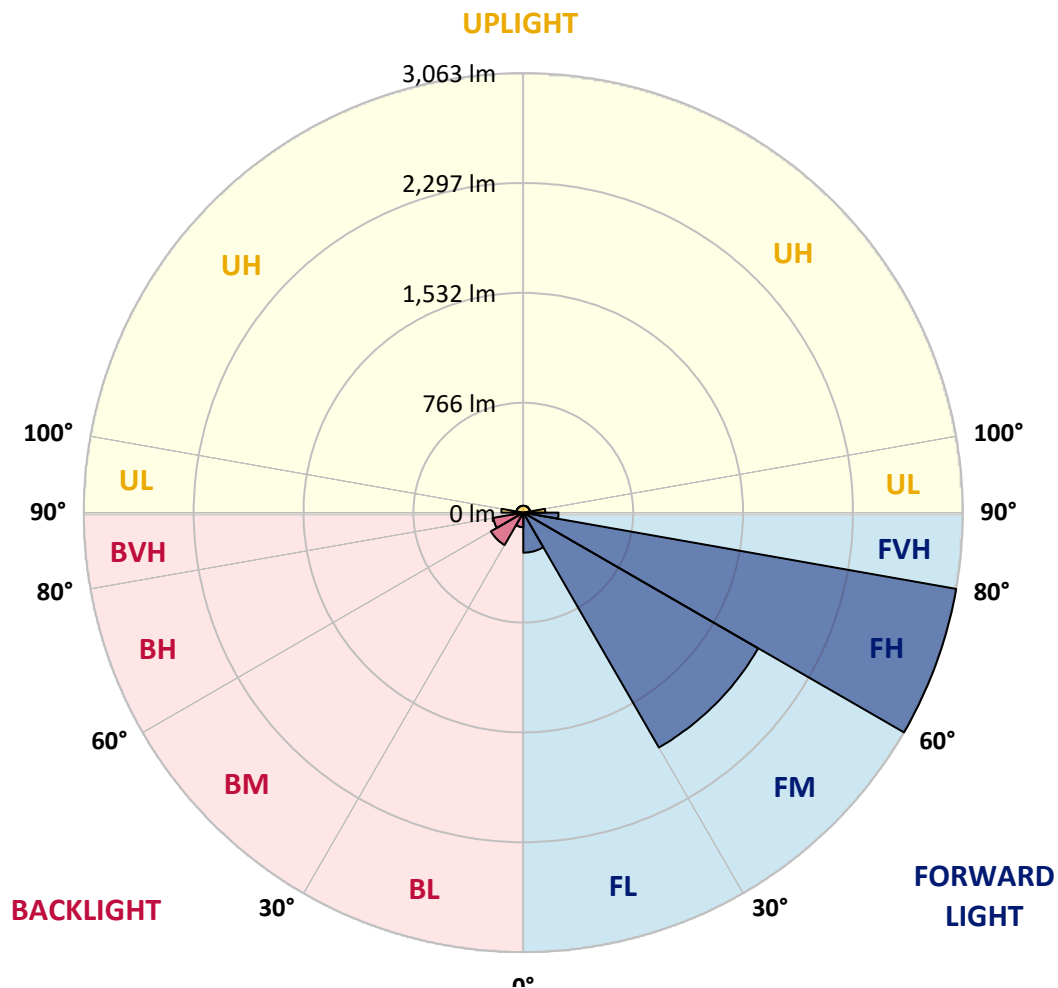
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.8	4.4			
FM	(30°-60°)	1890.3	29.9			
FH	(60°-80°)	3063.2	48.4			G2/5000
FVH	(80°-90°)	245.4	3.9			G3/500
BL	(0°-30°)	101.4	1.6	B0/110		
BM	(30°-60°)	260.6	4.1	B1/1000		
BH	(60°-80°)	212.8	3.4	B1/500		G1/500
BVH	(80°-90°)	74.6	1.2			G1/100
UL	(90°-100°)	153.1	2.4		U3/500	
UH	(100°-180°)	48.3	0.8		U2/50	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1
2.5°	700.8	734.6	724.5	741.4	738.0	734.6	734.6	738.0	734.6	727.8	721.1
5°	714.3	704.2	697.4	694.0	680.5	663.5	656.8	650.0	721.1	721.1	707.5
7.5°	734.6	734.6	721.1	710.9	710.9	694.0	677.1	663.5	629.7	619.5	619.5
10°	782.0	775.2	765.1	744.8	643.2	646.6	609.4	534.9	501.0	514.6	534.9
12.5°	792.2	788.8	775.2	771.9	677.1	575.5	477.3	534.9	511.2	426.6	473.9
15°	849.7	842.9	815.9	768.5	578.9	595.8	555.2	477.3	457.0	521.3	558.6
17.5°	724.5	724.5	812.5	744.8	629.7	501.0	497.6	555.2	501.0	467.2	463.8
20°	890.3	890.3	853.1	609.4	646.6	639.8	514.6	582.3	490.9	555.2	592.4
22.5°	741.4	738.0	765.1	754.9	619.5	653.4	528.1	531.5	585.7	501.0	429.9
25°	903.9	903.9	883.6	656.8	704.2	589.0	602.6	636.4	521.3	633.1	639.8
27.5°	778.6	775.2	738.0	751.5	656.8	721.1	548.4	599.2	639.8	683.8	751.5
30°	951.3	958.1	941.1	714.3	731.2	687.2	653.4	694.0	775.2	910.7	954.7
32.5°	1174.7	1181.5	1002.1	859.9	734.6	836.2	700.8	765.1	890.3	954.7	1002.1
35°	1306.7	1256.0	1178.1	961.4	792.2	856.5	805.7	815.9	927.6	1029.1	1063.0
37.5°	1418.5	1350.8	1259.3	991.9	836.2	924.2	839.6	853.1	1005.4	1096.9	1140.9
40°	1455.7	1415.1	1364.3	1059.6	890.3	975.0	880.2	910.7	1079.9	1184.9	1252.6
42.5°	1547.1	1550.5	1520.0	1154.4	947.9	1029.1	947.9	968.2	1178.1	1306.7	1404.9
45°	1790.8	1797.6	1763.8	1316.9	1019.0	1123.9	1056.2	1066.4	1289.8	1492.9	1618.2
47.5°	2102.3	2078.6	2044.7	1533.6	1127.3	1232.3	1181.5	1171.3	1421.8	1736.7	1848.4
50°	2417.1	2373.1	2302.0	1831.5	1313.5	1344.0	1310.1	1303.4	1581.0	1987.2	2109.1
52.5°	2745.5	2711.7	2562.7	2112.5	1591.1	1506.5	1469.2	1506.5	1787.5	2264.8	2376.5
55°	2918.2	2884.3	2789.5	2413.7	1858.6	1716.4	1652.0	1719.8	2105.7	2525.5	2671.0
57.5°	3060.3	3050.2	3006.2	2728.6	2183.5	1939.8	1875.5	1939.8	2359.6	2769.2	2941.9
60°	3263.5	3222.8	3263.5	3033.3	2498.4	2214.0	2126.0	2193.7	2671.0	2982.5	3239.8
62.5°	3409.0	3398.9	3480.1	3375.2	2762.4	2501.8	2373.1	2437.4	2945.2	3209.3	3534.3
65°	3253.3	3304.1	3629.1	3598.6	3060.3	2796.3	2660.9	2640.6	3168.7	3453.0	3849.1
67.5°	2975.7	3009.6	3483.5	3713.7	3321.0	3094.2	2931.7	2836.9	3375.2	3673.1	4099.6
70°	2711.7	2752.3	3185.6	3720.5	3446.3	3476.7	3249.9	3073.9	3581.7	3920.2	4153.8
72.5°	2501.8	2539.0	2928.3	3639.2	3490.3	3859.3	3598.6	3324.4	3781.4	3927.0	3629.1
75°	1560.6	1587.7	2356.2	3256.7	3517.4	4204.6	3916.8	3558.0	3764.5	3382.0	2440.8
77.5°	480.7	490.9	1008.8	2149.7	3057.0	4170.7	3862.7	3344.7	3155.1	2146.3	1113.8
80°	165.9	169.3	260.7	765.1	1828.1	3165.3	2945.2	2461.1	1885.6	792.2	419.8
82.5°	77.9	84.6	121.9	257.3	744.8	1729.9	1740.1	1462.5	792.2	352.1	284.4
85°	27.1	27.1	50.8	111.7	287.8	666.9	633.1	589.0	416.4	318.2	264.1
87.5°	10.2	10.2	16.9	30.5	71.1	142.2	179.4	220.0	220.0	223.4	267.4
90°	10.2	10.2	6.8	6.8	50.8	149.0	179.4	199.7	182.8	203.1	291.1
92.5°	10.2	10.2	6.8	6.8	54.2	172.7	199.7	216.7	193.0	216.7	321.6
95°	10.2	10.2	6.8	6.8	60.9	209.9	233.6	230.2	193.0	226.8	345.3
97.5°	13.5	13.5	6.8	3.4	54.2	223.4	250.5	243.7	165.9	172.7	270.8
100°	13.5	13.5	6.8	3.4	33.9	165.9	199.7	196.3	108.3	27.1	77.9
102.5°	13.5	13.5	6.8	3.4	6.8	77.9	94.8	98.2	64.3	10.2	13.5
105°	16.9	16.9	6.8	3.4	3.4	13.5	30.5	40.6	23.7	6.8	13.5
107.5°	16.9	16.9	6.8	3.4	3.4	6.8	6.8	10.2	10.2	6.8	16.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	13.5	13.5	3.4	6.8	3.4	3.4	3.4	3.4	3.4	6.8	16.9
115°	6.8	6.8	3.4	3.4	0.0	3.4	3.4	3.4	3.4	6.8	13.5
117.5°	3.4	3.4	0.0	3.4	0.0	3.4	3.4	3.4	6.8	6.8	16.9
120°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	10.2	20.3
122.5°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	10.2	20.3
125°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	10.2	20.3
127.5°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	10.2	16.9
130°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	6.8	13.5
132.5°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	6.8	10.2
135°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	6.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
140°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
145°	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	10.2	10.2	6.8	3.4	0.0	0.0	3.4	3.4	3.4	3.4	3.4
152.5°	6.8	6.8	10.2	3.4	0.0	0.0	3.4	3.4	6.8	3.4	3.4
155°	6.8	6.8	3.4	0.0	0.0	0.0	0.0	3.4	3.4	6.8	6.8
157.5°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
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°	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1
2.5°	714.3	710.9	700.8	694.0	683.8	673.7	622.9	592.4	589.0	585.7	589.0
5°	700.8	690.6	673.7	595.8	558.6	524.7	514.6	507.8	490.9	490.9	494.3
7.5°	606.0	599.2	545.0	521.3	490.9	460.4	433.3	413.0	362.2	345.3	338.5
10°	531.5	518.0	423.2	375.8	345.3	311.5	311.5	284.4	270.8	260.7	257.3
12.5°	460.4	450.3	372.4	341.9	257.3	223.4	206.5	189.6	179.4	172.7	169.3
15°	538.3	521.3	399.5	274.2	189.6	159.1	125.3	121.9	152.3	159.1	162.5
17.5°	429.9	440.1	355.5	240.4	155.7	98.2	108.3	128.6	145.6	145.6	142.2
20°	572.1	548.4	385.9	193.0	111.7	98.2	104.9	94.8	135.4	145.6	145.6
22.5°	416.4	396.1	318.2	179.4	88.0	94.8	88.0	111.7	125.3	111.7	115.1
25°	619.5	589.0	369.0	125.3	91.4	81.2	101.6	88.0	121.9	132.0	135.4
27.5°	768.5	666.9	362.2	118.5	81.2	91.4	84.6	101.6	98.2	104.9	104.9
30°	917.4	859.9	409.6	108.3	81.2	77.9	88.0	88.0	111.7	121.9	121.9
32.5°	981.7	914.0	358.8	104.9	81.2	77.9	77.9	94.8	104.9	125.3	125.3
35°	1049.5	958.1	301.3	98.2	77.9	74.5	74.5	94.8	111.7	125.3	128.6
37.5°	1140.9	1005.4	243.7	94.8	74.5	71.1	64.3	84.6	118.5	132.0	135.4
40°	1256.0	1073.2	189.6	88.0	67.7	64.3	60.9	84.6	101.6	118.5	118.5
42.5°	1435.4	1147.6	149.0	84.6	64.3	57.6	57.6	71.1	98.2	111.7	111.7
45°	1618.2	1235.6	125.3	81.2	60.9	54.2	54.2	71.1	74.5	94.8	94.8
47.5°	1821.3	1323.7	115.1	77.9	60.9	47.4	47.4	64.3	64.3	88.0	91.4
50°	2031.2	1398.1	108.3	74.5	54.2	44.0	54.2	44.0	54.2	84.6	91.4
52.5°	2214.0	1459.1	101.6	67.7	50.8	40.6	50.8	44.0	54.2	77.9	77.9
55°	2400.2	1492.9	98.2	64.3	47.4	33.9	50.8	47.4	50.8	71.1	71.1
57.5°	2566.1	1503.1	94.8	64.3	40.6	30.5	47.4	57.6	44.0	57.6	64.3
60°	2715.0	1492.9	84.6	57.6	30.5	30.5	50.8	67.7	60.9	67.7	67.7
62.5°	2853.8	1455.7	67.7	47.4	23.7	30.5	64.3	74.5	57.6	71.1	77.9
65°	2972.3	1404.9	50.8	37.2	16.9	33.9	67.7	84.6	67.7	81.2	88.0
67.5°	3026.5	1337.2	40.6	30.5	16.9	37.2	71.1	94.8	77.9	91.4	98.2
70°	2935.1	1198.4	33.9	30.5	13.5	44.0	74.5	101.6	88.0	115.1	118.5
72.5°	2437.4	941.1	30.5	30.5	23.7	54.2	94.8	115.1	108.3	155.7	152.3
75°	1614.8	514.6	30.5	27.1	30.5	64.3	115.1	135.4	118.5	176.0	176.0
77.5°	744.8	226.8	27.1	30.5	33.9	71.1	132.0	162.5	135.4	199.7	196.3
80°	325.0	138.8	27.1	27.1	37.2	77.9	149.0	182.8	149.0	220.0	220.0
82.5°	243.7	125.3	23.7	27.1	50.8	88.0	172.7	203.1	165.9	237.0	233.6
85°	226.8	118.5	27.1	30.5	57.6	111.7	203.1	220.0	172.7	243.7	243.7
87.5°	230.2	115.1	27.1	30.5	77.9	142.2	230.2	237.0	189.6	257.3	257.3
90°	237.0	118.5	30.5	33.9	88.0	155.7	257.3	253.9	213.3	270.8	270.8
92.5°	253.9	118.5	33.9	37.2	94.8	172.7	281.0	260.7	230.2	281.0	274.2
95°	264.1	118.5	37.2	40.6	111.7	189.6	297.9	253.9	243.7	260.7	253.9
97.5°	196.3	88.0	44.0	47.4	115.1	213.3	274.2	216.7	159.1	155.7	159.1
100°	64.3	30.5	47.4	50.8	74.5	149.0	203.1	155.7	84.6	64.3	64.3
102.5°	16.9	16.9	44.0	47.4	40.6	64.3	118.5	101.6	57.6	3.4	6.8
105°	16.9	13.5	27.1	37.2	23.7	16.9	47.4	57.6	44.0	3.4	3.4
107.5°	16.9	13.5	13.5	20.3	6.8	6.8	13.5	13.5	13.5	3.4	3.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.3	13.5	6.8	6.8	6.8	3.4	3.4	3.4	3.4	10.2	13.5
115°	16.9	13.5	3.4	6.8	3.4	3.4	3.4	3.4	6.8	13.5	16.9
117.5°	16.9	13.5	3.4	3.4	3.4	3.4	3.4	3.4	6.8	16.9	20.3
120°	20.3	16.9	3.4	3.4	3.4	3.4	3.4	3.4	6.8	20.3	20.3
122.5°	20.3	16.9	3.4	3.4	3.4	3.4	0.0	3.4	10.2	20.3	20.3
125°	20.3	16.9	3.4	3.4	3.4	0.0	0.0	3.4	10.2	20.3	23.7
127.5°	16.9	13.5	3.4	3.4	3.4	0.0	0.0	3.4	6.8	16.9	20.3
130°	13.5	10.2	3.4	3.4	3.4	0.0	0.0	0.0	6.8	16.9	16.9
132.5°	10.2	6.8	3.4	3.4	3.4	0.0	0.0	0.0	6.8	13.5	13.5
135°	6.8	6.8	3.4	3.4	3.4	0.0	0.0	0.0	3.4	10.2	10.2
137.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4
140°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	6.8	6.8	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.4	3.4	3.4	3.4	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



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110°		16.9	16.9	6.8	6.8	3.4	3.4	3.4	3.4	6.8	6.8	16.9
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110°	16.9	13.5	6.8	6.8	6.8	6.8	6.8	3.4	3.4	6.8	6.8
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(END OF REPORT)