

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: P559839

Luminaire Tested: **SDL-PA1-100-730-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-730-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6554.5 lumens
Efficiency: N/A
Efficacy: 69.9 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): 93.8
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

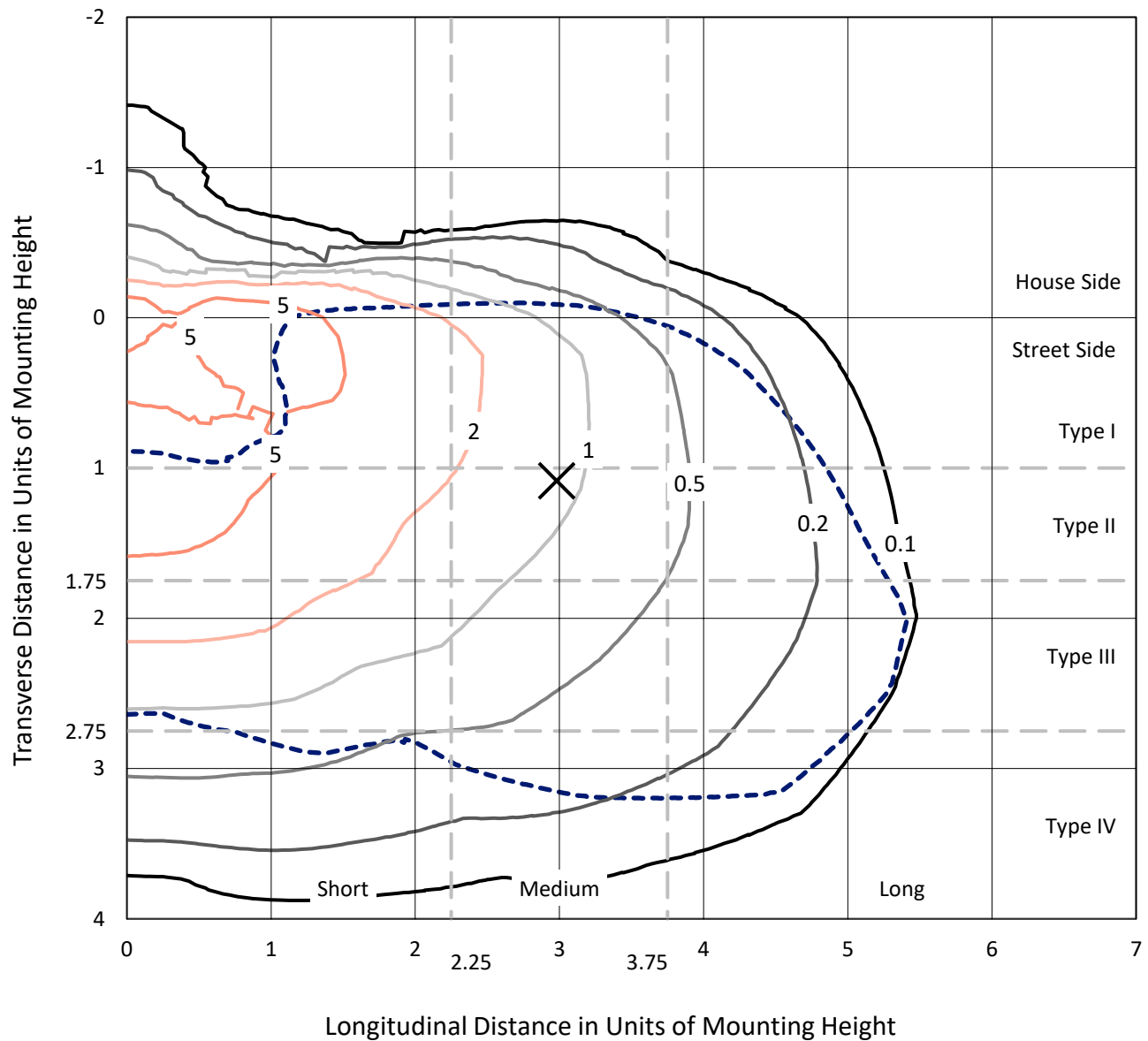


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

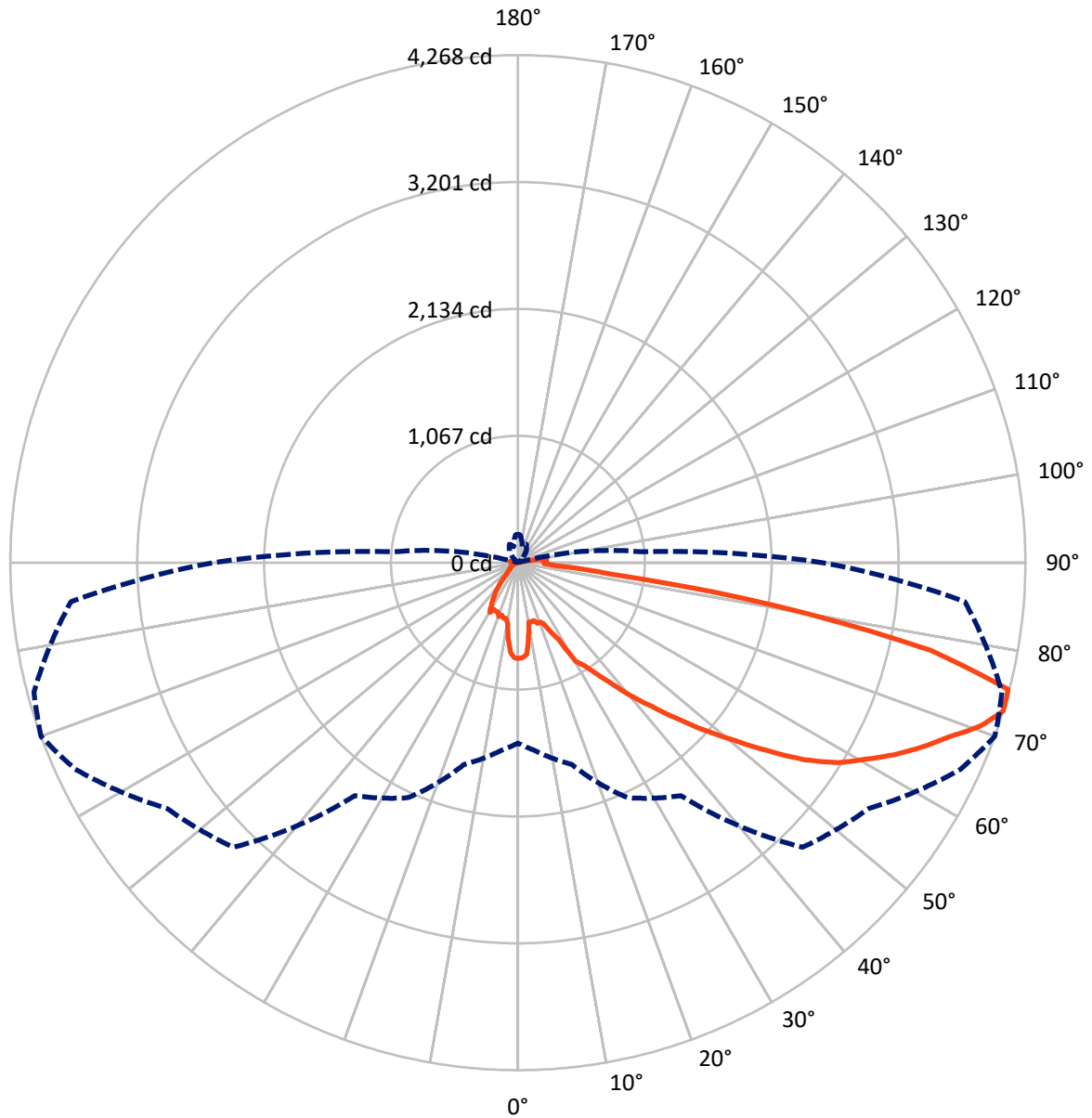


Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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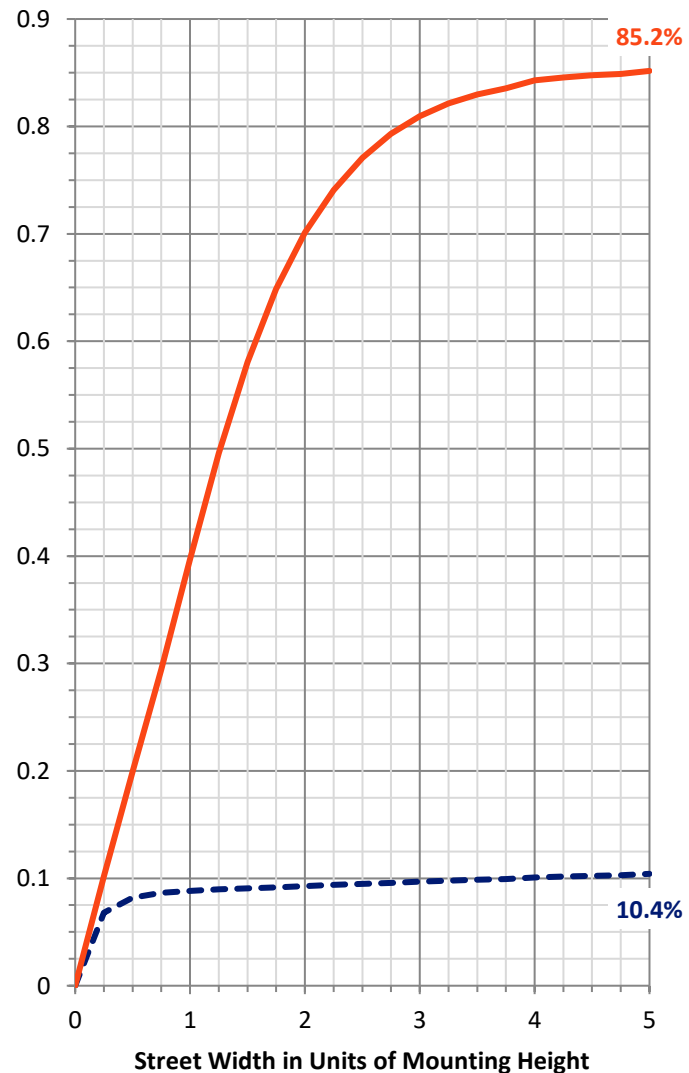
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	751.3	105.7	857.0
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	5612.0	85.5	5697.5
	% Fixture	85.6	1.3	86.9
Total	Lumens	6363.4	191.2	6554.5
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	0.9
10°-20°	122.8	1.9
20°-30°	198.8	3.0
30°-40°	424.9	6.5
40°-50°	835.2	12.7
50°-60°	1394.7	21.3
60°-70°	1731.0	26.4
70°-80°	1333.1	20.3
80°-90°	260.7	4.0
90°-100°	141.4	2.2
100°-110°	29.3	0.4
110°-120°	8.3	0.1
120°-130°	6.4	0.1
130°-140°	3.0	0.0
140°-150°	1.4	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6363.4	97.1
0°-180°	6554.5	100.0



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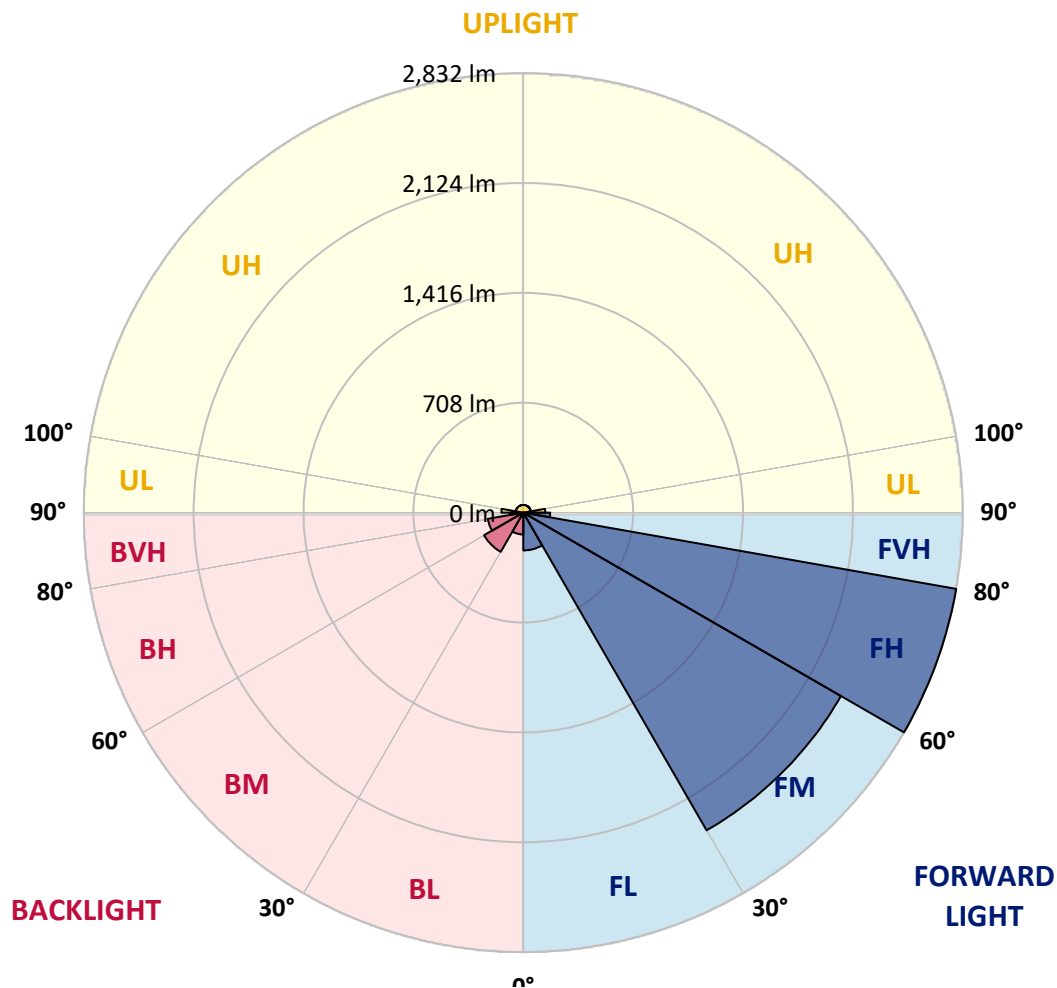
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	243.1	3.7			
FM	(30°-60°)	2363.5	36.1			
FH	(60°-80°)	2832.0	43.2			G2/5000
FVH	(80°-90°)	173.5	2.6			G2/225
BL	(0°-30°)	140.6	2.1	B1/500		
BM	(30°-60°)	291.4	4.4	B1/1000		
BH	(60°-80°)	232.2	3.5	B1/500		G1/500
BVH	(80°-90°)	87.2	1.3			G1/100
UL	(90°-100°)	141.4	2.2		U3/500	
UH	(100°-180°)	49.7	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°	55°	65°	70°	75°	85°
0°	805.1	805.1	805.1	805.1	805.1	805.1	805.1	805.1	805.1	805.1	805.1
2.5°	678.9	753.9	757.3	764.2	771.0	781.2	798.3	798.3	798.3	798.3	801.7
5°	644.8	644.8	644.8	651.6	651.6	658.4	661.8	764.2	774.4	784.6	784.6
7.5°	535.6	586.8	590.2	610.7	634.5	644.8	651.6	644.8	634.5	675.5	692.5
10°	586.8	586.8	586.8	593.6	559.5	542.4	501.5	504.9	508.3	539.0	614.1
12.5°	487.8	518.5	549.2	583.4	539.0	484.4	474.2	501.5	508.3	453.7	539.0
15°	569.7	566.3	566.3	535.6	446.9	484.4	423.0	446.9	504.9	552.7	641.4
17.5°	470.8	457.1	532.2	525.4	477.6	382.1	487.8	484.4	535.6	494.7	552.7
20°	559.5	556.1	556.1	429.8	474.2	515.1	508.3	474.2	532.2	593.6	699.4
22.5°	470.8	464.0	477.6	515.1	470.8	532.2	464.0	586.8	559.5	542.4	508.3
25°	593.6	590.2	590.2	470.8	532.2	487.8	586.8	535.6	648.2	706.2	771.0
27.5°	532.2	532.2	508.3	545.8	508.3	614.1	562.9	675.5	733.5	771.0	931.3
30°	736.9	740.3	699.4	542.4	566.3	576.5	665.2	835.8	962.0	1054.1	1153.1
32.5°	1061.0	1040.5	869.9	740.3	600.4	713.0	736.9	972.3	1033.7	1132.6	1217.9
35°	1443.1	1432.8	1282.7	958.6	723.2	764.2	822.2	1057.6	1153.1	1252.0	1303.2
37.5°	1705.7	1695.5	1600.0	1221.3	873.3	890.4	897.2	1177.0	1299.8	1398.7	1422.6
40°	1920.7	1903.6	1845.6	1426.0	1074.6	1040.5	1006.4	1340.7	1480.6	1562.5	1572.7
42.5°	2244.8	2217.5	2070.8	1661.4	1279.3	1241.8	1125.8	1484.0	1651.2	1760.3	1767.1
45°	2633.7	2609.8	2405.1	1988.9	1497.6	1487.4	1337.3	1668.2	1866.1	1995.7	1958.2
47.5°	2899.8	2834.9	2719.0	2302.8	1835.4	1746.7	1572.7	1855.8	2098.1	2292.5	2186.8
50°	3142.0	3094.2	2995.3	2650.7	2200.4	2081.0	1818.3	2070.8	2343.7	2521.1	2377.8
52.5°	3367.1	3295.5	3213.6	2910.0	2514.3	2456.3	2060.5	2285.7	2626.8	2773.5	2575.7
55°	3479.7	3367.1	3353.5	3145.4	2756.5	2708.7	2333.5	2551.8	2923.6	3026.0	2763.3
57.5°	3295.5	3292.1	3397.8	3288.7	2954.3	2930.5	2609.8	2838.4	3172.7	3220.4	2947.5
60°	3172.7	3176.1	3336.4	3343.3	3128.3	3142.0	2858.8	3169.3	3356.9	3387.6	3121.5
62.5°	2957.8	2981.6	3223.9	3380.8	3172.7	3343.3	3070.3	3397.8	3554.8	3565.0	3336.4
65°	2688.3	2712.1	2957.8	3278.4	3124.9	3476.3	3247.7	3653.7	3735.6	3742.4	3571.8
67.5°	2374.4	2384.6	2657.5	3012.3	3008.9	3524.1	3356.9	3824.3	3909.6	3930.0	3773.1
70°	2026.4	2012.8	2261.8	2671.2	2759.9	3500.2	3489.9	3991.4	4121.1	4117.7	3913.0
72.5°	1518.1	1582.9	1756.9	2179.9	2391.5	3384.2	3602.5	4107.4	4267.8	4213.2	3773.1
75°	518.5	552.7	1023.4	1388.5	1842.2	3073.7	3626.4	4114.3	4257.5	4015.3	3087.4
77.5°	170.6	160.3	228.6	552.7	1023.4	2128.8	3189.7	3588.9	3551.4	3121.5	1896.8
80°	81.9	85.3	102.3	194.5	375.3	965.5	2002.5	2272.0	2220.9	1637.5	822.2
82.5°	54.6	58.0	68.2	112.6	211.5	330.9	1064.4	1037.1	784.6	515.1	337.7
85°	23.9	23.9	34.1	58.0	129.6	218.3	406.0	354.8	320.7	296.8	276.3
87.5°	6.8	6.8	13.6	20.5	44.3	136.5	228.6	214.9	221.7	232.0	262.7
90°	6.8	6.8	6.8	6.8	34.1	143.3	232.0	218.3	218.3	232.0	276.3
92.5°	10.2	10.2	6.8	6.8	30.7	143.3	242.2	208.1	221.7	235.4	296.8
95°	10.2	13.6	6.8	3.4	23.9	146.7	249.0	221.7	242.2	238.8	317.3
97.5°	13.6	13.6	6.8	3.4	13.6	126.2	252.4	180.8	184.2	170.6	249.0
100°	17.1	17.1	6.8	6.8	10.2	64.8	187.6	116.0	71.6	54.6	81.9
102.5°	20.5	20.5	6.8	6.8	6.8	23.9	85.3	68.2	37.5	10.2	20.5
105°	20.5	23.9	6.8	6.8	3.4	10.2	37.5	27.3	13.6	10.2	20.5
107.5°	23.9	23.9	6.8	6.8	3.4	6.8	10.2	10.2	6.8	10.2	20.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	17.1	17.1	6.8	10.2	3.4	3.4	3.4	6.8	6.8	10.2	20.5
115°	10.2	6.8	3.4	6.8	3.4	3.4	3.4	6.8	6.8	6.8	17.1
117.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	10.2	20.5
120°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	13.6	23.9
122.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	13.6	27.3
125°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	10.2	23.9
127.5°	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	6.8	10.2	20.5
130°	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4	6.8	13.6
132.5°	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4	6.8	13.6
135°	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4	3.4	6.8
137.5°	3.4	3.4	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
140°	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
142.5°	0.0	0.0	0.0	0.0	3.4	3.4	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°	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
152.5°	6.8	6.8	6.8	3.4	3.4	3.4	3.4	6.8	6.8	3.4	3.4
155°	3.4	3.4	3.4	0.0	0.0	3.4	3.4	3.4	3.4	6.8	6.8
157.5°	0.0	3.4	3.4	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4
160°	0.0	0.0	0.0	0.0	0.0	3.4	3.4	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°	805.1	805.1	805.1	805.1	805.1	805.1	805.1	805.1	805.1	805.1	805.1
2.5°	801.7	801.7	798.3	805.1	801.7	801.7	757.3	713.0	702.8	706.2	713.0
5°	788.1	788.1	788.1	733.5	672.1	651.6	658.4	658.4	658.4	655.0	661.8
7.5°	695.9	692.5	682.3	620.9	648.2	644.8	641.4	634.5	552.7	532.2	532.2
10°	617.5	617.5	528.8	504.9	504.9	525.4	539.0	518.5	508.3	491.3	487.8
12.5°	542.4	542.4	453.7	504.9	426.4	423.0	412.8	378.7	320.7	279.7	283.2
15°	644.8	644.8	535.6	429.8	358.2	337.7	211.5	197.9	191.0	187.6	184.2
17.5°	549.2	552.7	494.7	426.4	334.3	177.4	150.1	150.1	150.1	143.3	129.6
20°	695.9	695.9	576.5	382.1	252.4	139.9	116.0	102.3	139.9	139.9	139.9
22.5°	504.9	498.1	508.3	388.9	156.9	112.6	95.5	119.4	126.2	105.8	105.8
25°	764.2	753.9	617.5	279.7	129.6	88.7	105.8	92.1	119.4	119.4	119.4
27.5°	941.6	873.3	627.7	255.9	95.5	102.3	85.3	102.3	92.1	88.7	88.7
30°	1132.6	1101.9	757.3	201.3	92.1	85.3	88.7	81.9	95.5	88.7	88.7
32.5°	1194.0	1163.3	685.7	156.9	88.7	81.9	75.1	78.5	75.1	78.5	78.5
35°	1272.5	1241.8	607.2	119.4	81.9	71.6	68.2	68.2	64.8	61.4	61.4
37.5°	1385.1	1333.9	518.5	102.3	75.1	64.8	54.6	51.2	54.6	68.2	71.6
40°	1514.7	1429.4	409.4	92.1	64.8	54.6	40.9	47.8	58.0	58.0	58.0
42.5°	1702.3	1545.4	303.6	85.3	58.0	44.3	30.7	37.5	44.3	61.4	61.4
45°	1866.1	1613.6	214.9	78.5	47.8	34.1	23.9	37.5	47.8	54.6	54.6
47.5°	2057.1	1678.5	160.3	75.1	44.3	23.9	27.3	37.5	37.5	58.0	58.0
50°	2217.5	1692.1	129.6	68.2	34.1	17.1	34.1	34.1	40.9	51.2	51.2
52.5°	2367.6	1705.7	116.0	61.4	27.3	13.6	34.1	34.1	47.8	61.4	61.4
55°	2466.5	1664.8	105.8	54.6	23.9	10.2	37.5	37.5	37.5	47.8	47.8
57.5°	2545.0	1613.6	98.9	47.8	20.5	20.5	40.9	47.8	40.9	47.8	47.8
60°	2596.1	1521.5	85.3	44.3	17.1	20.5	51.2	61.4	47.8	71.6	71.6
62.5°	2688.3	1449.9	75.1	40.9	13.6	20.5	51.2	78.5	61.4	95.5	98.9
65°	2763.3	1385.1	64.8	30.7	13.6	27.3	58.0	98.9	75.1	119.4	122.8
67.5°	2794.0	1306.6	54.6	27.3	13.6	30.7	75.1	122.8	95.5	139.9	139.9
70°	2770.1	1224.7	44.3	27.3	13.6	47.8	98.9	143.3	116.0	170.6	174.0
72.5°	2562.0	1043.9	34.1	27.3	10.2	51.2	122.8	170.6	139.9	232.0	238.8
75°	1961.6	661.8	34.1	27.3	13.6	58.0	143.3	197.9	167.2	259.3	269.5
77.5°	1197.4	307.0	34.1	30.7	17.1	71.6	156.9	228.6	184.2	279.7	286.6
80°	532.2	191.0	34.1	34.1	34.1	88.7	184.2	252.4	208.1	296.8	307.0
82.5°	266.1	143.3	30.7	34.1	51.2	105.8	218.3	269.5	214.9	307.0	310.4
85°	228.6	129.6	30.7	37.5	54.6	122.8	235.4	272.9	225.2	303.6	307.0
87.5°	218.3	122.8	37.5	37.5	61.4	129.6	242.2	286.6	232.0	293.4	290.0
90°	228.6	119.4	40.9	44.3	78.5	133.0	245.6	279.7	232.0	276.3	276.3
92.5°	235.4	116.0	44.3	51.2	95.5	150.1	242.2	272.9	232.0	255.9	255.9
95°	242.2	116.0	51.2	58.0	95.5	163.8	232.0	249.0	214.9	228.6	225.2
97.5°	184.2	85.3	61.4	64.8	88.7	126.2	187.6	194.5	139.9	136.5	133.0
100°	64.8	37.5	61.4	71.6	54.6	54.6	112.6	136.5	81.9	51.2	58.0
102.5°	20.5	17.1	54.6	71.6	44.3	20.5	58.0	85.3	61.4	6.8	6.8
105°	20.5	20.5	30.7	58.0	30.7	6.8	20.5	47.8	37.5	6.8	6.8
107.5°	20.5	17.1	13.6	34.1	10.2	6.8	10.2	10.2	10.2	3.4	6.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.9	17.1	6.8	10.2	6.8	6.8	6.8	3.4	6.8	17.1	20.5
115°	20.5	17.1	6.8	6.8	6.8	6.8	3.4	3.4	6.8	20.5	20.5
117.5°	23.9	20.5	6.8	6.8	3.4	6.8	3.4	3.4	6.8	20.5	23.9
120°	27.3	23.9	6.8	6.8	3.4	3.4	3.4	3.4	6.8	17.1	20.5
122.5°	27.3	27.3	6.8	3.4	3.4	3.4	3.4	3.4	10.2	17.1	17.1
125°	23.9	23.9	6.8	3.4	3.4	3.4	3.4	3.4	10.2	17.1	17.1
127.5°	20.5	20.5	6.8	3.4	3.4	3.4	3.4	3.4	6.8	13.6	17.1
130°	17.1	17.1	6.8	3.4	3.4	3.4	0.0	3.4	6.8	13.6	13.6
132.5°	13.6	10.2	6.8	3.4	3.4	3.4	0.0	3.4	6.8	10.2	13.6
135°	10.2	10.2	3.4	3.4	3.4	3.4	0.0	0.0	6.8	6.8	10.2
137.5°	6.8	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	6.8	6.8
140°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
142.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
145°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
147.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
150°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
152.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4
155°	6.8	6.8	6.8	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
157.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.4	3.4	3.4	3.4	3.4	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° | 23.9 23.9 10.2 6.8 3.4 6.8 3.4 6.8 6.8 10.2 23.9



110°	23.9	17.1	6.8	10.2	6.8	6.8	6.8	6.8	6.8	13.6	13.6
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(END OF REPORT)