

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: P560942

Luminaire Tested: **SDL-PA1-70-750-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-750-U-T4W-A
Description: Springdale
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7840.3 lumens
Efficiency: N/A
Efficacy: 108.6 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: B2 - U3 - G3

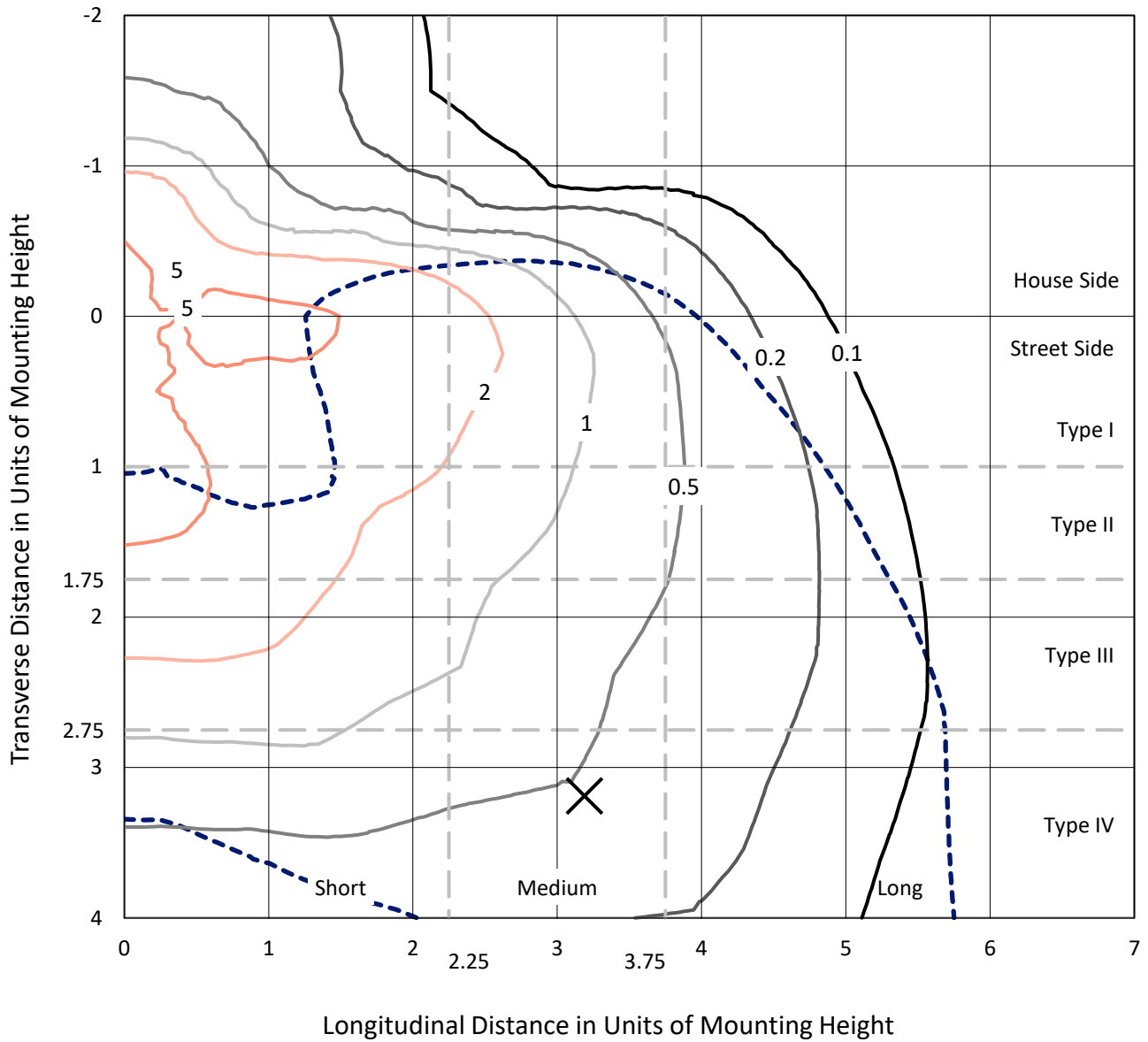
Input Watts (W): 72.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

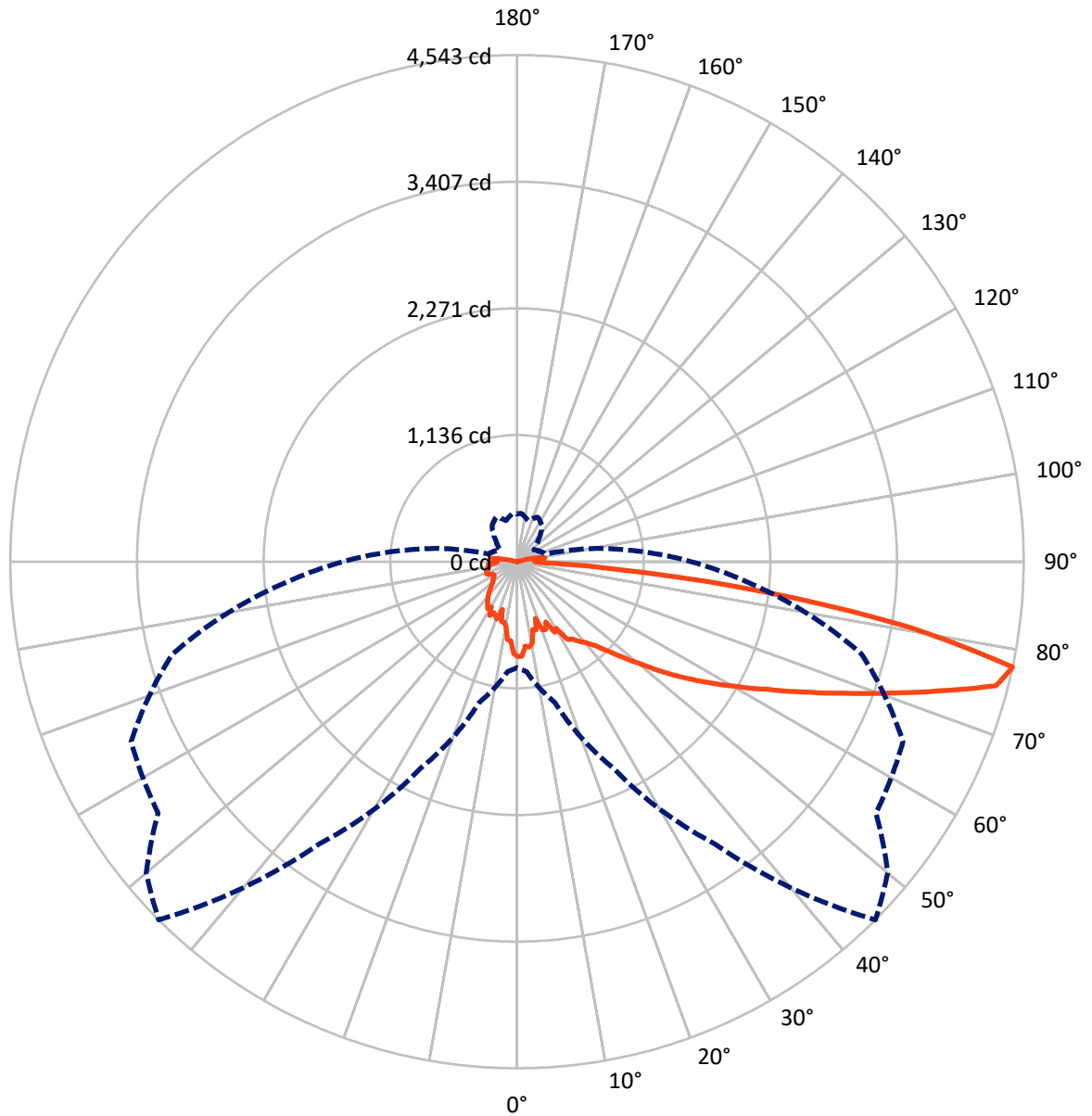
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical

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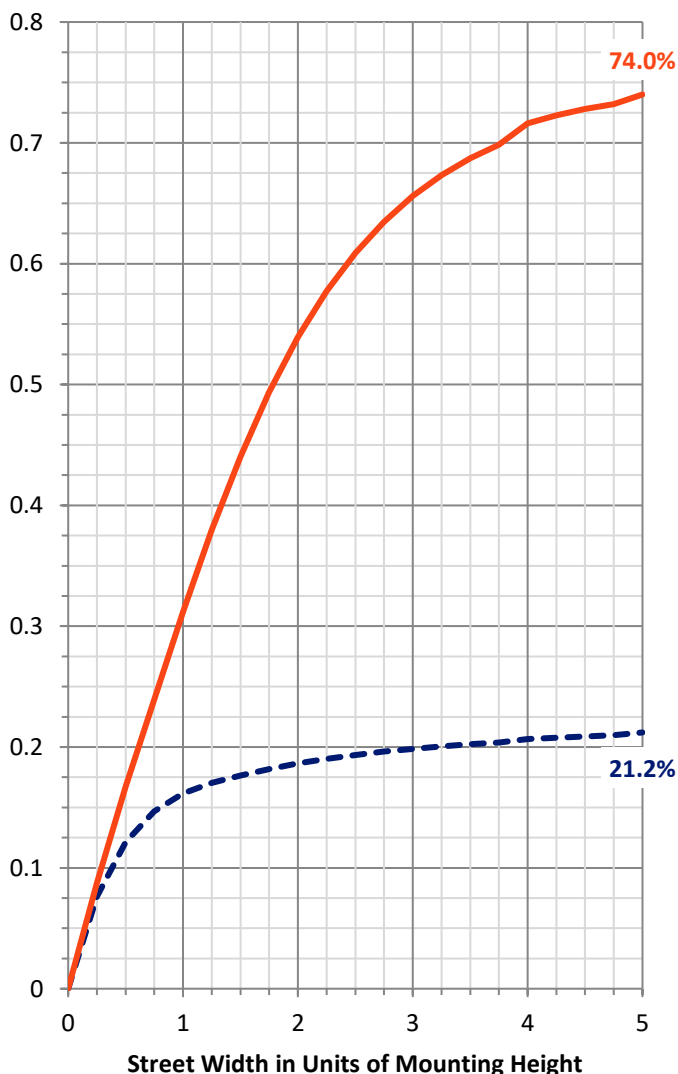
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1754.8	130.9	1885.8
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	5848.7	105.9	5954.6
	% Fixture	74.6	1.4	75.9
Total	Lumens	7603.5	236.8	7840.3
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	0.9
10°-20°	175.3	2.2
20°-30°	303.2	3.9
30°-40°	537.2	6.9
40°-50°	832.8	10.6
50°-60°	1340.8	17.1
60°-70°	1971.7	25.1
70°-80°	1898.4	24.2
80°-90°	473.4	6.0
90°-100°	176.5	2.3
100°-110°	39.1	0.5
110°-120°	8.4	0.1
120°-130°	7.0	0.1
130°-140°	3.0	0.0
140°-150°	1.3	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7603.5	97.0
0°-180°	7840.3	100.0

Coefficient of Utilization



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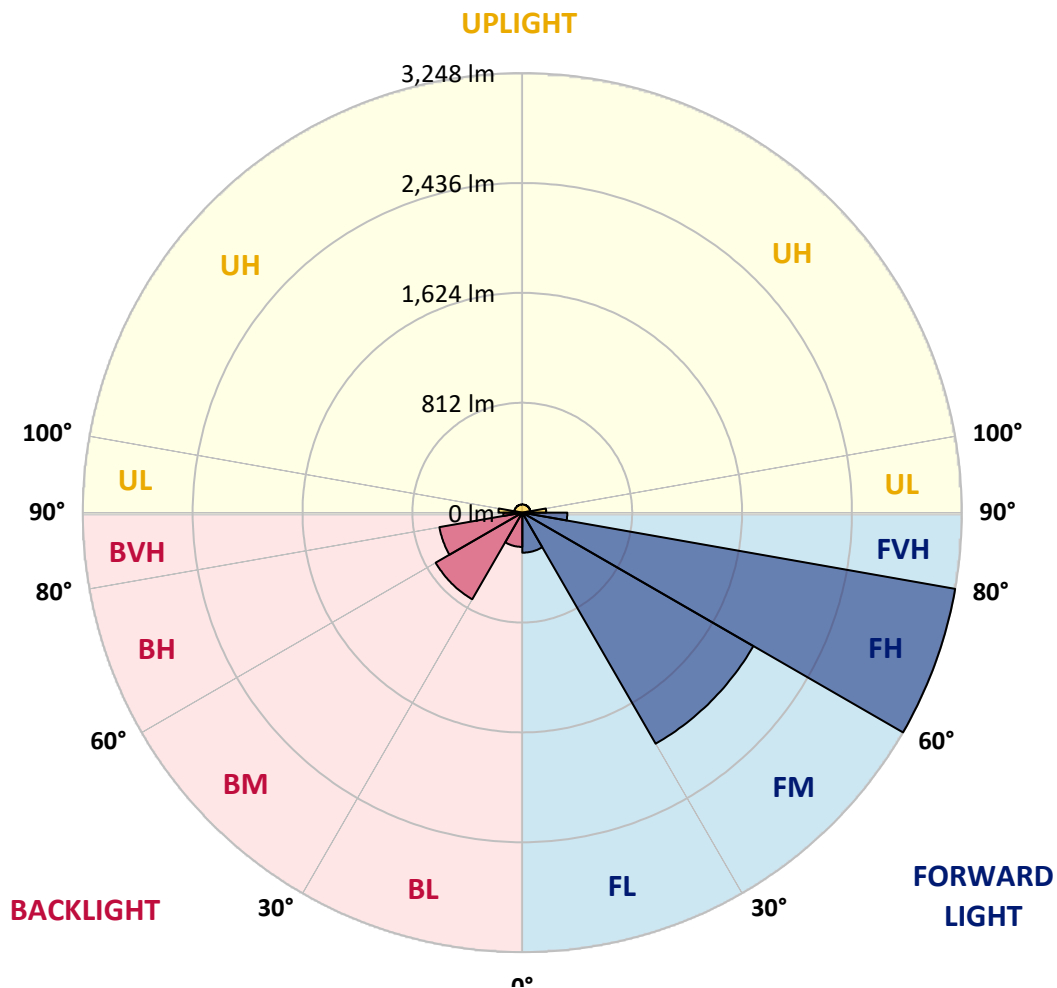
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	295.9	3.8			
FM (30°-60°)	1971.9	25.2			
FH (60°-80°)	3248.3	41.4			G2/5000
FVH (80°-90°)	332.5	4.2			G3/500
BL (0°-30°)	253.3	3.2	B1/500		
BM (30°-60°)	738.9	9.4	B1/1000		
BH (60°-80°)	621.8	7.9	B2/1000		G2/1000
BVH (80°-90°)	140.9	1.8			G2/225
UL (90°-100°)	176.5	2.3		U3/500	
UH (100°-180°)	60.3	0.8		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2
2.5°	774.1	848.1	835.7	845.0	845.0	848.1	851.2	851.2	854.2	851.2	851.2
5°	789.5	786.4	780.2	774.1	767.9	758.6	758.6	758.6	832.6	838.8	832.6
7.5°	737.0	801.8	795.6	783.3	783.3	774.1	761.7	749.4	727.8	721.6	730.9
10°	832.6	829.6	820.3	801.8	734.0	746.3	669.2	604.4	579.8	595.2	635.3
12.5°	740.1	792.6	814.1	814.1	727.8	626.0	558.2	595.2	573.6	511.9	558.2
15°	872.7	866.6	841.9	801.8	638.4	635.3	598.3	524.3	533.5	579.8	622.9
17.5°	746.3	746.3	835.7	764.8	656.9	533.5	530.4	589.0	539.7	515.0	539.7
20°	900.5	897.4	869.7	635.3	663.0	653.8	539.7	601.4	515.0	592.1	647.6
22.5°	764.8	758.6	801.8	761.7	632.2	659.9	505.8	570.5	613.7	542.8	502.7
25°	900.5	906.7	894.3	678.5	718.5	598.3	610.6	650.7	564.3	687.7	715.5
27.5°	792.6	792.6	758.6	758.6	666.1	718.5	573.6	610.6	672.3	743.2	872.7
30°	971.4	974.5	952.9	730.9	737.0	690.8	666.1	709.3	808.0	965.3	1023.8
32.5°	1187.3	1187.3	1020.8	872.7	740.1	832.6	703.1	774.1	915.9	996.1	1073.2
35°	1323.0	1307.6	1233.6	980.7	798.7	851.2	795.6	823.4	949.8	1067.0	1122.5
37.5°	1517.3	1511.1	1437.1	1076.3	857.3	906.7	826.5	857.3	1011.5	1119.4	1184.2
40°	1785.6	1754.7	1690.0	1242.8	928.2	956.0	863.5	900.5	1085.5	1187.3	1264.4
42.5°	1998.4	2004.5	1958.3	1440.2	1045.4	1026.9	928.2	956.0	1165.7	1292.1	1378.5
45°	2195.7	2189.6	2198.8	1677.6	1190.4	1141.0	1042.4	1045.4	1267.5	1421.7	1538.9
47.5°	2331.4	2328.3	2349.9	1899.7	1375.4	1286.0	1168.8	1156.5	1384.7	1643.7	1757.8
50°	2494.9	2485.6	2473.3	2137.1	1585.1	1443.3	1335.3	1292.1	1535.8	1893.5	2035.4
52.5°	2695.3	2673.7	2633.6	2322.2	1816.4	1643.7	1523.4	1464.8	1739.3	2174.1	2356.1
55°	2886.5	2855.7	2821.7	2528.8	2029.2	1844.2	1714.6	1680.7	2004.5	2464.0	2698.4
57.5°	3074.6	3059.2	3031.5	2803.2	2300.6	2053.9	1908.9	1902.8	2312.9	2744.7	3065.4
60°	3250.4	3225.7	3262.7	3099.3	2553.5	2275.9	2121.7	2168.0	2652.1	3025.3	3472.4
62.5°	3358.3	3349.1	3429.3	3370.7	2787.8	2522.6	2365.3	2445.5	2979.0	3299.7	3833.3
65°	3198.0	3222.7	3540.3	3540.3	3059.2	2815.6	2661.4	2710.7	3287.4	3577.3	4163.2
67.5°	2905.0	2938.9	3370.7	3635.9	3302.8	3145.6	2985.2	3012.9	3561.9	3802.4	4431.5
70°	2655.2	2679.9	3080.8	3642.1	3457.0	3528.0	3296.7	3272.0	3774.7	3990.5	4530.2
72.5°	2436.3	2470.2	2800.2	3605.1	3608.1	3962.8	3666.7	3518.7	3968.9	4061.5	4215.7
75°	1930.5	1915.1	2288.2	3170.2	3657.5	4437.7	4101.6	3793.2	4064.5	3817.8	3305.9
77.5°	949.8	989.9	1304.5	2041.5	3087.0	4542.6	4339.0	3928.9	3817.8	3198.0	2063.1
80°	280.6	289.9	363.9	730.9	1773.2	3577.3	3583.5	3250.4	2871.1	1868.8	931.3
82.5°	157.3	160.4	209.7	317.6	727.8	2266.6	2359.2	1952.1	1270.6	690.8	465.7
85°	83.3	86.3	107.9	166.5	370.1	903.6	959.1	746.3	613.7	450.2	342.3
87.5°	40.1	40.1	37.0	55.5	135.7	219.0	243.6	277.5	246.7	231.3	283.7
90°	33.9	33.9	27.8	30.8	74.0	157.3	191.2	212.8	194.3	212.8	311.5
92.5°	37.0	37.0	27.8	30.8	80.2	175.8	209.7	237.5	206.6	228.2	345.4
95°	33.9	37.0	24.7	27.8	80.2	215.9	252.9	259.0	212.8	249.8	370.1
97.5°	27.8	27.8	18.5	21.6	70.9	252.9	277.5	268.3	188.1	191.2	296.1
100°	21.6	21.6	12.3	18.5	49.3	203.5	237.5	225.1	123.4	30.8	74.0
102.5°	18.5	18.5	9.3	15.4	21.6	98.7	126.4	123.4	74.0	18.5	15.4
105°	18.5	18.5	9.3	12.3	12.3	27.8	43.2	55.5	30.8	9.3	15.4
107.5°	18.5	18.5	9.3	6.2	6.2	12.3	15.4	15.4	15.4	9.3	18.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	18.5	18.5	6.2	6.2	3.1	6.2	6.2	6.2	6.2	9.3	18.5
115°	15.4	15.4	3.1	6.2	3.1	3.1	6.2	3.1	6.2	6.2	15.4
117.5°	15.4	12.3	3.1	3.1	3.1	3.1	3.1	3.1	6.2	9.3	18.5
120°	15.4	15.4	6.2	3.1	3.1	3.1	3.1	3.1	6.2	12.3	21.6
122.5°	15.4	15.4	6.2	3.1	0.0	3.1	3.1	3.1	6.2	12.3	24.7
125°	18.5	15.4	6.2	3.1	0.0	0.0	3.1	3.1	3.1	12.3	21.6
127.5°	15.4	12.3	6.2	3.1	0.0	0.0	3.1	3.1	3.1	9.3	18.5
130°	15.4	12.3	6.2	0.0	0.0	0.0	3.1	3.1	3.1	9.3	15.4
132.5°	12.3	9.3	6.2	0.0	0.0	0.0	3.1	3.1	3.1	6.2	12.3
135°	9.3	9.3	3.1	0.0	3.1	0.0	3.1	3.1	3.1	3.1	9.3
137.5°	6.2	6.2	3.1	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
140°	3.1	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
142.5°	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1
145°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	9.3	9.3	9.3	6.2	3.1	3.1	3.1	6.2	3.1	3.1	3.1
152.5°	9.3	9.3	9.3	6.2	0.0	0.0	3.1	3.1	6.2	3.1	3.1
155°	6.2	6.2	6.2	0.0	0.0	0.0	3.1	3.1	3.1	6.2	6.2
157.5°	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
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°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2
2.5°	848.1	845.0	841.9	838.8	832.6	826.5	811.1	746.3	746.3	749.4	749.4
5°	832.6	829.6	820.3	761.7	727.8	709.3	715.5	715.5	715.5	718.5	724.7
7.5°	727.8	724.7	681.5	678.5	690.8	706.2	715.5	700.0	669.2	669.2	669.2
10°	635.3	632.2	555.1	539.7	555.1	592.1	687.7	706.2	718.5	721.6	727.8
12.5°	555.1	545.8	478.0	527.3	493.4	555.1	641.4	712.4	647.6	635.3	635.3
15°	616.8	613.7	533.5	462.6	465.7	555.1	508.8	669.2	706.2	712.4	715.5
17.5°	539.7	533.5	490.3	487.3	515.0	447.2	564.3	638.4	607.5	616.8	616.8
20°	644.5	641.4	561.3	465.7	459.5	545.8	499.6	579.8	690.8	712.4	715.5
22.5°	499.6	499.6	515.0	545.8	496.5	521.2	533.5	613.7	592.1	604.4	641.4
25°	709.3	703.1	622.9	490.3	533.5	502.7	558.2	582.9	684.6	709.3	715.5
27.5°	860.4	845.0	669.2	552.0	481.1	539.7	536.6	564.3	579.8	675.4	687.7
30°	1014.6	999.2	860.4	619.9	499.6	465.7	511.9	604.4	697.0	712.4	724.7
32.5°	1070.1	1057.8	878.9	656.9	502.7	496.5	508.8	604.4	764.8	826.5	838.8
35°	1128.7	1113.3	897.4	641.4	490.3	462.6	481.1	622.9	761.7	801.8	811.1
37.5°	1199.6	1171.9	919.0	610.6	456.4	437.9	459.5	567.4	724.7	764.8	771.0
40°	1289.1	1261.3	946.8	576.7	422.5	407.1	419.4	527.3	635.3	669.2	684.6
42.5°	1424.8	1372.3	959.1	548.9	391.7	376.2	388.6	474.9	558.2	579.8	589.0
45°	1600.5	1508.0	977.6	511.9	363.9	342.3	360.8	434.8	474.9	474.9	474.9
47.5°	1816.4	1668.4	986.8	481.1	330.0	311.5	330.0	394.7	416.3	404.0	400.9
50°	2081.6	1871.9	1033.1	444.1	302.2	286.8	317.6	348.5	357.7	363.9	363.9
52.5°	2393.1	2106.3	1060.9	407.1	283.7	274.5	305.3	326.9	330.0	336.1	336.1
55°	2732.3	2362.2	1076.3	373.1	271.4	259.0	293.0	314.6	314.6	320.7	320.7
57.5°	3083.9	2658.3	1116.4	348.5	259.0	246.7	280.6	317.6	305.3	317.6	320.7
60°	3453.9	2932.8	1082.4	323.8	240.5	237.5	283.7	339.2	336.1	351.6	354.6
62.5°	3802.4	3151.7	931.3	302.2	228.2	240.5	317.6	382.4	373.1	397.8	397.8
65°	3999.8	3225.7	684.6	289.9	219.0	259.0	351.6	425.6	394.7	407.1	400.9
67.5°	4043.0	3151.7	493.4	274.5	215.9	289.9	376.2	434.8	391.7	404.0	404.0
70°	3941.2	2979.0	397.8	262.1	212.8	293.0	382.4	434.8	394.7	422.5	416.3
72.5°	3481.7	2534.9	339.2	249.8	212.8	286.8	391.7	437.9	404.0	450.2	441.0
75°	2624.4	1896.6	299.1	237.5	200.5	277.5	397.8	441.0	391.7	441.0	434.8
77.5°	1560.4	1082.4	265.2	222.0	185.0	268.3	391.7	441.0	382.4	434.8	428.7
80°	659.9	508.8	225.1	194.3	169.6	256.0	385.5	437.9	367.0	422.5	413.2
82.5°	416.3	345.4	191.2	160.4	166.5	252.9	388.6	431.7	360.8	425.6	394.7
85°	336.1	283.7	163.4	135.7	154.2	259.0	373.1	391.7	311.5	367.0	357.7
87.5°	283.7	237.5	74.0	58.6	114.1	200.5	283.7	293.0	225.1	286.8	274.5
90°	311.5	259.0	70.9	49.3	101.8	175.8	262.1	256.0	215.9	274.5	271.4
92.5°	339.2	274.5	67.8	52.4	114.1	191.2	286.8	259.0	228.2	277.5	274.5
95°	351.6	280.6	64.8	55.5	135.7	209.7	305.3	252.9	240.5	256.0	252.9
97.5°	265.2	203.5	61.7	58.6	141.9	237.5	286.8	212.8	157.3	157.3	154.2
100°	67.8	67.8	55.5	55.5	95.6	172.7	219.0	157.3	89.4	67.8	70.9
102.5°	18.5	21.6	49.3	52.4	52.4	77.1	123.4	101.8	58.6	9.3	9.3
105°	18.5	18.5	33.9	40.1	27.8	24.7	49.3	55.5	43.2	6.2	9.3
107.5°	18.5	18.5	15.4	21.6	9.3	12.3	12.3	15.4	15.4	6.2	6.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.6	18.5	9.3	6.2	6.2	6.2	6.2	6.2	6.2	15.4	15.4
115°	18.5	15.4	9.3	6.2	6.2	6.2	6.2	3.1	6.2	18.5	18.5
117.5°	21.6	18.5	9.3	6.2	3.1	6.2	6.2	3.1	6.2	21.6	21.6
120°	24.7	21.6	9.3	6.2	3.1	3.1	3.1	3.1	9.3	21.6	21.6
122.5°	24.7	24.7	12.3	3.1	3.1	3.1	3.1	3.1	9.3	21.6	21.6
125°	24.7	21.6	9.3	3.1	3.1	3.1	0.0	3.1	9.3	21.6	24.7
127.5°	18.5	18.5	9.3	3.1	3.1	3.1	0.0	3.1	9.3	18.5	21.6
130°	15.4	15.4	6.2	3.1	3.1	3.1	0.0	3.1	9.3	18.5	18.5
132.5°	12.3	12.3	6.2	3.1	3.1	0.0	0.0	0.0	9.3	15.4	15.4
135°	9.3	9.3	3.1	3.1	3.1	0.0	0.0	0.0	6.2	12.3	12.3
137.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	6.2	6.2
140°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
142.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
145°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	3.1
147.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
150°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	3.1	6.2	3.1	6.2
152.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	3.1	6.2	6.2	6.2
155°	6.2	6.2	6.2	3.1	3.1	0.0	0.0	0.0	3.1	6.2	6.2
157.5°	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.1	3.1	3.1	3.1	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°	21.6	21.6	6.2	6.2	6.2	6.2	6.2	6.2	6.2	9.3	18.5
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110°	21.6	18.5	9.3	9.3	6.2	6.2	6.2	6.2	6.2	12.3	12.3
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(END OF REPORT)