

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: P561291

Luminaire Tested: **SDL-PA1-90-750-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561291
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-PA1-90-750-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 1180mA 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: 7131.7 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 - 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

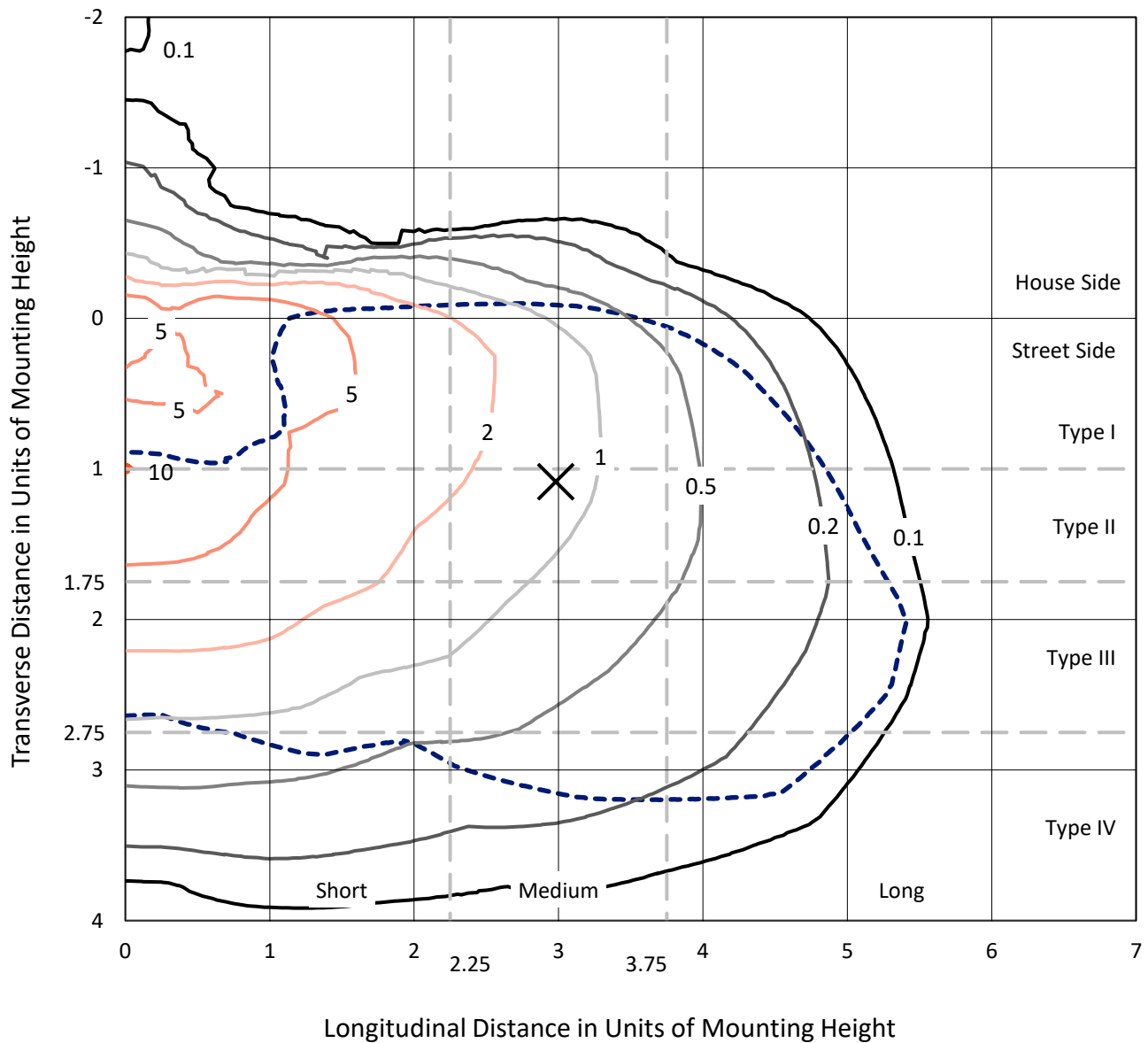


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Iso-Footcandle Lines of Horizontal Illumination

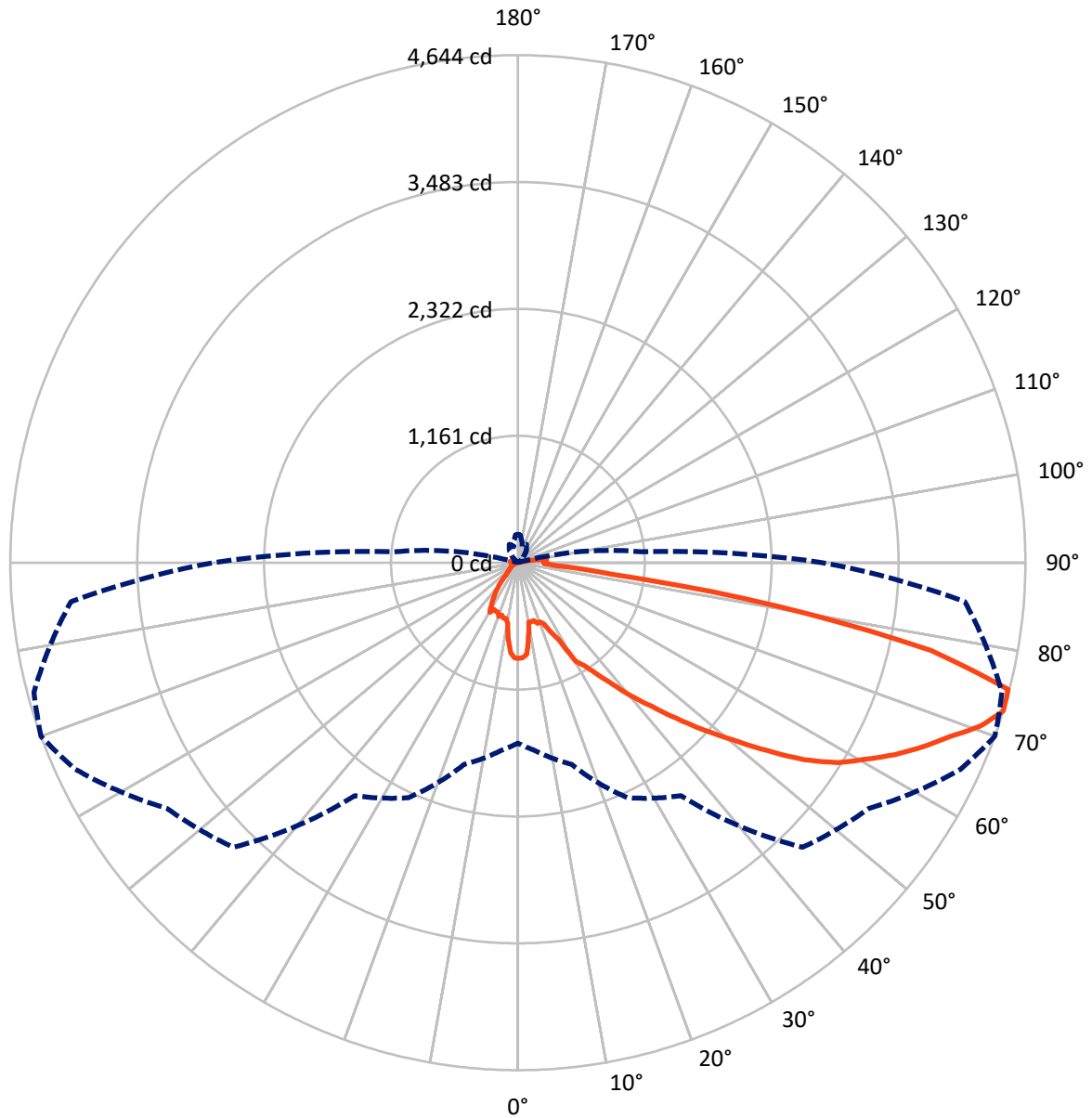
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 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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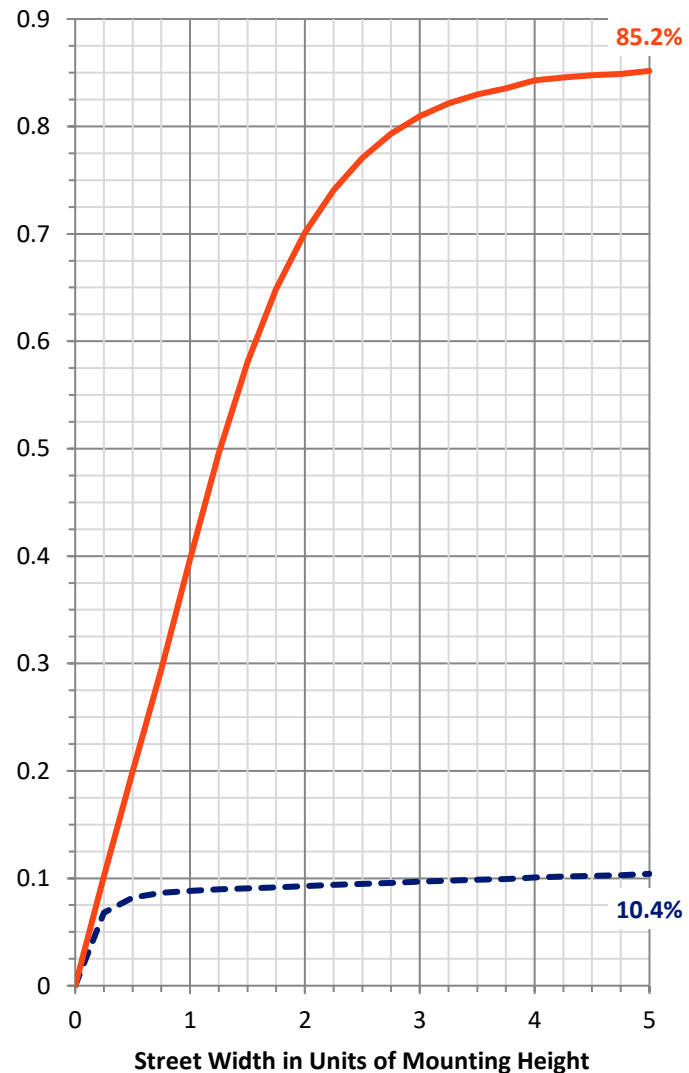
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	817.5	115.0	932.5
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	6106.2	93.0	6199.2
	% Fixture	85.6	1.3	86.9
Total	Lumens	6923.7	208.0	7131.7
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	0.9
10°-20°	133.6	1.9
20°-30°	216.3	3.0
30°-40°	462.3	6.5
40°-50°	908.8	12.7
50°-60°	1517.5	21.3
60°-70°	1883.4	26.4
70°-80°	1450.5	20.3
80°-90°	283.6	4.0
90°-100°	153.9	2.2
100°-110°	31.8	0.4
110°-120°	9.1	0.1
120°-130°	7.0	0.1
130°-140°	3.3	0.0
140°-150°	1.5	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6923.7	97.1
0°-180°	7131.7	100.0



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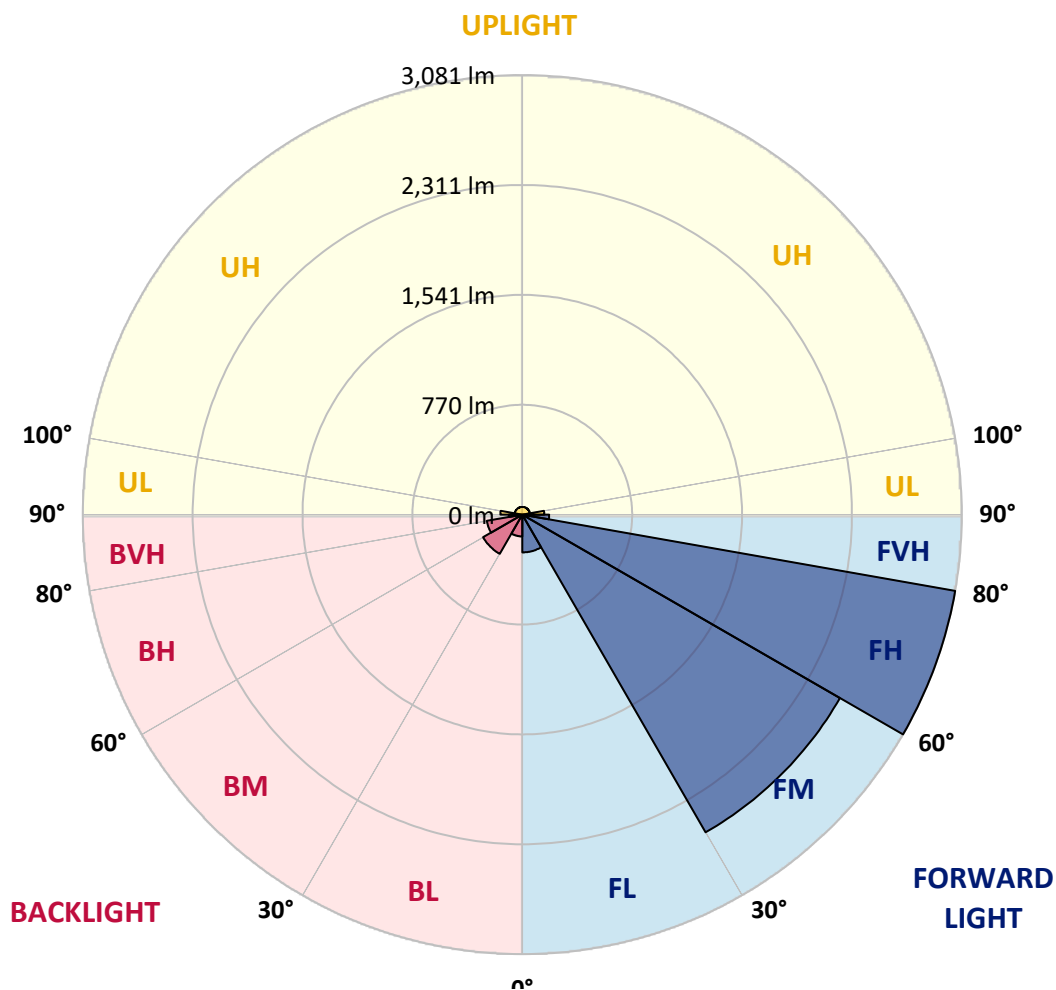
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	264.5	3.7			
FM	(30°-60°)	2571.6	36.1			
FH	(60°-80°)	3081.3	43.2			G2/5000
FVH	(80°-90°)	188.7	2.6			G2/225
BL	(0°-30°)	152.9	2.1	B1/500		
BM	(30°-60°)	317.0	4.4	B1/1000		
BH	(60°-80°)	252.6	3.5	B1/500		G1/500
BVH	(80°-90°)	94.9	1.3			G1/100
UL	(90°-100°)	153.9	2.2		U3/500	
UH	(100°-180°)	54.1	0.8		U3/500	

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°	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0
2.5°	738.7	820.3	824.0	831.5	838.9	850.0	868.6	868.6	868.6	868.6	872.3
5°	701.5	701.5	701.5	709.0	709.0	716.4	720.1	831.5	842.6	853.7	853.7
7.5°	582.8	638.4	642.2	664.4	690.4	701.5	709.0	701.5	690.4	734.9	753.5
10°	638.4	638.4	638.4	645.9	608.7	590.2	545.6	549.4	553.1	586.5	668.1
12.5°	530.8	564.2	597.6	634.7	586.5	527.1	515.9	545.6	553.1	493.7	586.5
15°	619.9	616.2	616.2	582.8	486.3	527.1	460.3	486.3	549.4	601.3	697.8
17.5°	512.2	497.4	579.1	571.6	519.7	415.7	530.8	527.1	582.8	538.2	601.3
20°	608.7	605.0	605.0	467.7	515.9	560.5	553.1	515.9	579.1	645.9	760.9
22.5°	512.2	504.8	519.7	560.5	512.2	579.1	504.8	638.4	608.7	590.2	553.1
25°	645.9	642.2	642.2	512.2	579.1	530.8	638.4	582.8	705.3	768.4	838.9
27.5°	579.1	579.1	553.1	593.9	553.1	668.1	612.5	734.9	798.1	838.9	1013.3
30°	801.8	805.5	760.9	590.2	616.2	627.3	723.8	909.4	1046.7	1147.0	1254.6
32.5°	1154.4	1132.1	946.5	805.5	653.3	775.8	801.8	1057.9	1124.7	1232.3	1325.1
35°	1570.1	1559.0	1395.7	1043.0	786.9	831.5	894.6	1150.7	1254.6	1362.3	1417.9
37.5°	1855.9	1844.8	1740.9	1328.8	950.2	968.8	976.2	1280.6	1414.2	1521.9	1547.8
40°	2089.8	2071.2	2008.1	1551.6	1169.2	1132.1	1095.0	1458.8	1610.9	1700.0	1711.2
42.5°	2442.4	2412.7	2253.1	1807.7	1391.9	1351.1	1224.9	1614.7	1796.5	1915.3	1922.7
45°	2865.6	2839.6	2616.9	2164.0	1629.5	1618.4	1455.0	1815.1	2030.4	2171.4	2130.6
47.5°	3155.1	3084.6	2958.4	2505.5	1997.0	1900.5	1711.2	2019.3	2282.8	2494.4	2379.3
50°	3418.6	3366.7	3259.0	2884.1	2394.2	2264.2	1978.4	2253.1	2550.0	2743.1	2587.2
52.5°	3663.6	3585.7	3496.6	3166.2	2735.6	2672.5	2242.0	2486.9	2858.1	3017.7	2802.5
55°	3786.1	3663.6	3648.8	3422.3	2999.2	2947.2	2538.9	2776.5	3181.1	3292.4	3006.6
57.5°	3585.7	3581.9	3697.0	3578.2	3214.5	3188.5	2839.6	3088.3	3452.0	3504.0	3207.0
60°	3452.0	3455.7	3630.2	3637.6	3403.8	3418.6	3110.5	3448.3	3652.5	3685.9	3396.4
62.5°	3218.2	3244.2	3507.7	3678.5	3452.0	3637.6	3340.7	3697.0	3867.8	3878.9	3630.2
65°	2924.9	2950.9	3218.2	3567.1	3400.1	3782.4	3533.7	3975.4	4064.5	4071.9	3886.3
67.5°	2583.5	2594.6	2891.5	3277.6	3273.9	3834.4	3652.5	4161.0	4253.8	4276.1	4105.3
70°	2204.8	2190.0	2461.0	2906.4	3002.9	3808.4	3797.2	4342.9	4483.9	4480.2	4257.5
72.5°	1651.8	1722.3	1911.6	2371.9	2602.0	3682.2	3919.7	4469.1	4643.5	4584.1	4105.3
75°	564.2	601.3	1113.6	1510.7	2004.4	3344.4	3945.7	4476.5	4632.4	4368.9	3359.2
77.5°	185.6	174.5	248.7	601.3	1113.6	2316.2	3470.6	3904.9	3864.0	3396.4	2063.8
80°	89.1	92.8	111.4	211.6	408.3	1050.5	2178.9	2472.1	2416.4	1781.7	894.6
82.5°	59.4	63.1	74.2	122.5	230.1	360.1	1158.1	1128.4	853.7	560.5	367.5
85°	26.0	26.0	37.1	63.1	141.1	237.6	441.7	386.0	348.9	322.9	300.7
87.5°	7.4	7.4	14.8	22.3	48.3	148.5	248.7	233.8	241.3	252.4	285.8
90°	7.4	7.4	7.4	7.4	37.1	155.9	252.4	237.6	237.6	252.4	300.7
92.5°	11.1	11.1	7.4	7.4	33.4	155.9	263.5	226.4	241.3	256.1	322.9
95°	11.1	14.8	7.4	3.7	26.0	159.6	271.0	241.3	263.5	259.8	345.2
97.5°	14.8	14.8	7.4	3.7	14.8	137.3	274.7	196.7	200.4	185.6	271.0
100°	18.6	18.6	7.4	7.4	11.1	70.5	204.2	126.2	77.9	59.4	89.1
102.5°	22.3	22.3	7.4	7.4	7.4	26.0	92.8	74.2	40.8	11.1	22.3
105°	22.3	26.0	7.4	7.4	3.7	11.1	40.8	29.7	14.8	11.1	22.3
107.5°	26.0	26.0	7.4	7.4	3.7	7.4	11.1	11.1	7.4	11.1	22.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	18.6	18.6	7.4	11.1	3.7	3.7	3.7	7.4	7.4	11.1	22.3
115°	11.1	7.4	3.7	7.4	3.7	3.7	3.7	7.4	7.4	7.4	18.6
117.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	7.4	11.1	22.3
120°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	7.4	14.8	26.0
122.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	14.8	29.7
125°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	11.1	26.0
127.5°	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	7.4	11.1	22.3
130°	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7	7.4	14.8
132.5°	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7	7.4	14.8
135°	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7	3.7	7.4
137.5°	3.7	3.7	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
140°	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
142.5°	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
145°	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
150°	7.4	7.4	7.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
152.5°	7.4	7.4	7.4	3.7	3.7	3.7	3.7	7.4	7.4	3.7	3.7
155°	3.7	3.7	3.7	0.0	0.0	3.7	3.7	3.7	3.7	7.4	7.4
157.5°	0.0	3.7	3.7	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7
160°	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7
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°	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0
2.5°	872.3	872.3	868.6	876.0	872.3	872.3	824.0	775.8	764.6	768.4	775.8
5°	857.4	857.4	857.4	798.1	731.2	709.0	716.4	716.4	716.4	712.7	720.1
7.5°	757.2	753.5	742.4	675.6	705.3	701.5	697.8	690.4	601.3	579.1	579.1
10°	671.8	671.8	575.3	549.4	549.4	571.6	586.5	564.2	553.1	534.5	530.8
12.5°	590.2	590.2	493.7	549.4	464.0	460.3	449.1	412.0	348.9	304.4	308.1
15°	701.5	701.5	582.8	467.7	389.7	367.5	230.1	215.3	207.9	204.2	200.4
17.5°	597.6	601.3	538.2	464.0	363.8	193.0	163.3	163.3	163.3	155.9	141.1
20°	757.2	757.2	627.3	415.7	274.7	152.2	126.2	111.4	152.2	152.2	152.2
22.5°	549.4	541.9	553.1	423.2	170.7	122.5	103.9	129.9	137.3	115.1	115.1
25°	831.5	820.3	671.8	304.4	141.1	96.5	115.1	100.2	129.9	129.9	129.9
27.5°	1024.5	950.2	683.0	278.4	103.9	111.4	92.8	111.4	100.2	96.5	96.5
30°	1232.3	1198.9	824.0	219.0	100.2	92.8	96.5	89.1	103.9	96.5	96.5
32.5°	1299.2	1265.7	746.1	170.7	96.5	89.1	81.7	85.4	81.7	85.4	85.4
35°	1384.5	1351.1	660.7	129.9	89.1	77.9	74.2	74.2	70.5	66.8	66.8
37.5°	1507.0	1451.3	564.2	111.4	81.7	70.5	59.4	55.7	59.4	74.2	77.9
40°	1648.1	1555.3	445.4	100.2	70.5	59.4	44.5	52.0	63.1	63.1	63.1
42.5°	1852.2	1681.5	330.4	92.8	63.1	48.3	33.4	40.8	48.3	66.8	66.8
45°	2030.4	1755.7	233.8	85.4	52.0	37.1	26.0	40.8	52.0	59.4	59.4
47.5°	2238.3	1826.2	174.5	81.7	48.3	26.0	29.7	40.8	40.8	63.1	63.1
50°	2412.7	1841.1	141.1	74.2	37.1	18.6	37.1	37.1	44.5	55.7	55.7
52.5°	2576.0	1855.9	126.2	66.8	29.7	14.8	37.1	37.1	52.0	66.8	66.8
55°	2683.7	1811.4	115.1	59.4	26.0	11.1	40.8	40.8	40.8	52.0	52.0
57.5°	2769.0	1755.7	107.6	52.0	22.3	22.3	44.5	52.0	44.5	52.0	52.0
60°	2824.7	1655.5	92.8	48.3	18.6	22.3	55.7	66.8	52.0	77.9	77.9
62.5°	2924.9	1577.5	81.7	44.5	14.8	22.3	55.7	85.4	66.8	103.9	107.6
65°	3006.6	1507.0	70.5	33.4	14.8	29.7	63.1	107.6	81.7	129.9	133.6
67.5°	3040.0	1421.6	59.4	29.7	14.8	33.4	81.7	133.6	103.9	152.2	152.2
70°	3014.0	1332.6	48.3	29.7	14.8	52.0	107.6	155.9	126.2	185.6	189.3
72.5°	2787.6	1135.8	37.1	29.7	11.1	55.7	133.6	185.6	152.2	252.4	259.8
75°	2134.3	720.1	37.1	29.7	14.8	63.1	155.9	215.3	181.9	282.1	293.2
77.5°	1302.9	334.1	37.1	33.4	18.6	77.9	170.7	248.7	200.4	304.4	311.8
80°	579.1	207.9	37.1	37.1	37.1	96.5	200.4	274.7	226.4	322.9	334.1
82.5°	289.5	155.9	33.4	37.1	55.7	115.1	237.6	293.2	233.8	334.1	337.8
85°	248.7	141.1	33.4	40.8	59.4	133.6	256.1	296.9	245.0	330.4	334.1
87.5°	237.6	133.6	40.8	40.8	66.8	141.1	263.5	311.8	252.4	319.2	315.5
90°	248.7	129.9	44.5	48.3	85.4	144.8	267.3	304.4	252.4	300.7	300.7
92.5°	256.1	126.2	48.3	55.7	103.9	163.3	263.5	296.9	252.4	278.4	278.4
95°	263.5	126.2	55.7	63.1	103.9	178.2	252.4	271.0	233.8	248.7	245.0
97.5°	200.4	92.8	66.8	70.5	96.5	137.3	204.2	211.6	152.2	148.5	144.8
100°	70.5	40.8	66.8	77.9	59.4	59.4	122.5	148.5	89.1	55.7	63.1
102.5°	22.3	18.6	59.4	77.9	48.3	22.3	63.1	92.8	66.8	7.4	7.4
105°	22.3	22.3	33.4	63.1	33.4	7.4	22.3	52.0	40.8	7.4	7.4
107.5°	22.3	18.6	14.8	37.1	11.1	7.4	11.1	11.1	11.1	3.7	7.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.0	18.6	7.4	11.1	7.4	7.4	7.4	3.7	7.4	18.6	22.3
115°	22.3	18.6	7.4	7.4	7.4	7.4	3.7	3.7	7.4	22.3	22.3
117.5°	26.0	22.3	7.4	7.4	3.7	7.4	3.7	3.7	7.4	22.3	26.0
120°	29.7	26.0	7.4	7.4	3.7	3.7	3.7	3.7	7.4	18.6	22.3
122.5°	29.7	29.7	7.4	3.7	3.7	3.7	3.7	3.7	11.1	18.6	18.6
125°	26.0	26.0	7.4	3.7	3.7	3.7	3.7	3.7	11.1	18.6	18.6
127.5°	22.3	22.3	7.4	3.7	3.7	3.7	3.7	3.7	7.4	14.8	18.6
130°	18.6	18.6	7.4	3.7	3.7	3.7	0.0	3.7	7.4	14.8	14.8
132.5°	14.8	11.1	7.4	3.7	3.7	3.7	0.0	3.7	7.4	11.1	14.8
135°	11.1	11.1	3.7	3.7	3.7	3.7	0.0	0.0	7.4	7.4	11.1
137.5°	7.4	3.7	3.7	3.7	3.7	0.0	0.0	0.0	3.7	7.4	7.4
140°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
142.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
145°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
147.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
150°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
152.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	3.7	3.7	3.7
155°	7.4	7.4	7.4	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
157.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.7	3.7	3.7	3.7	3.7	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°	26.0	26.0	11.1	7.4	3.7	7.4	3.7	7.4	7.4	11.1	26.0
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110°	26.0	18.6	7.4	11.1	7.4	7.4	7.4	7.4	7.4	14.8	14.8
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(END OF REPORT)