

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: P559918

Luminaire Tested: **SDL-PA1-100-827-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-827-U-T2R-A
Description: Springdale
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6218.5 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - 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



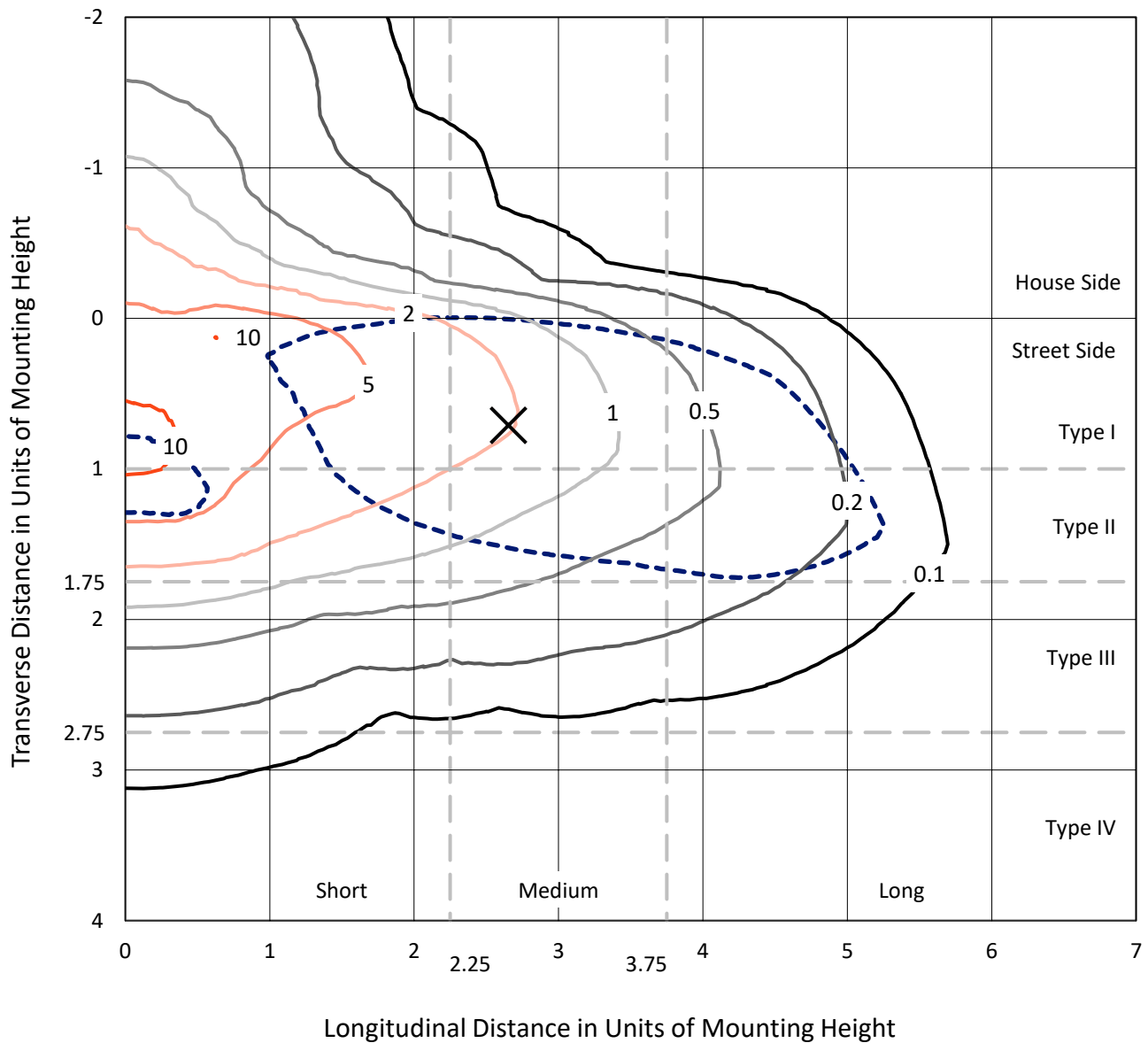
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



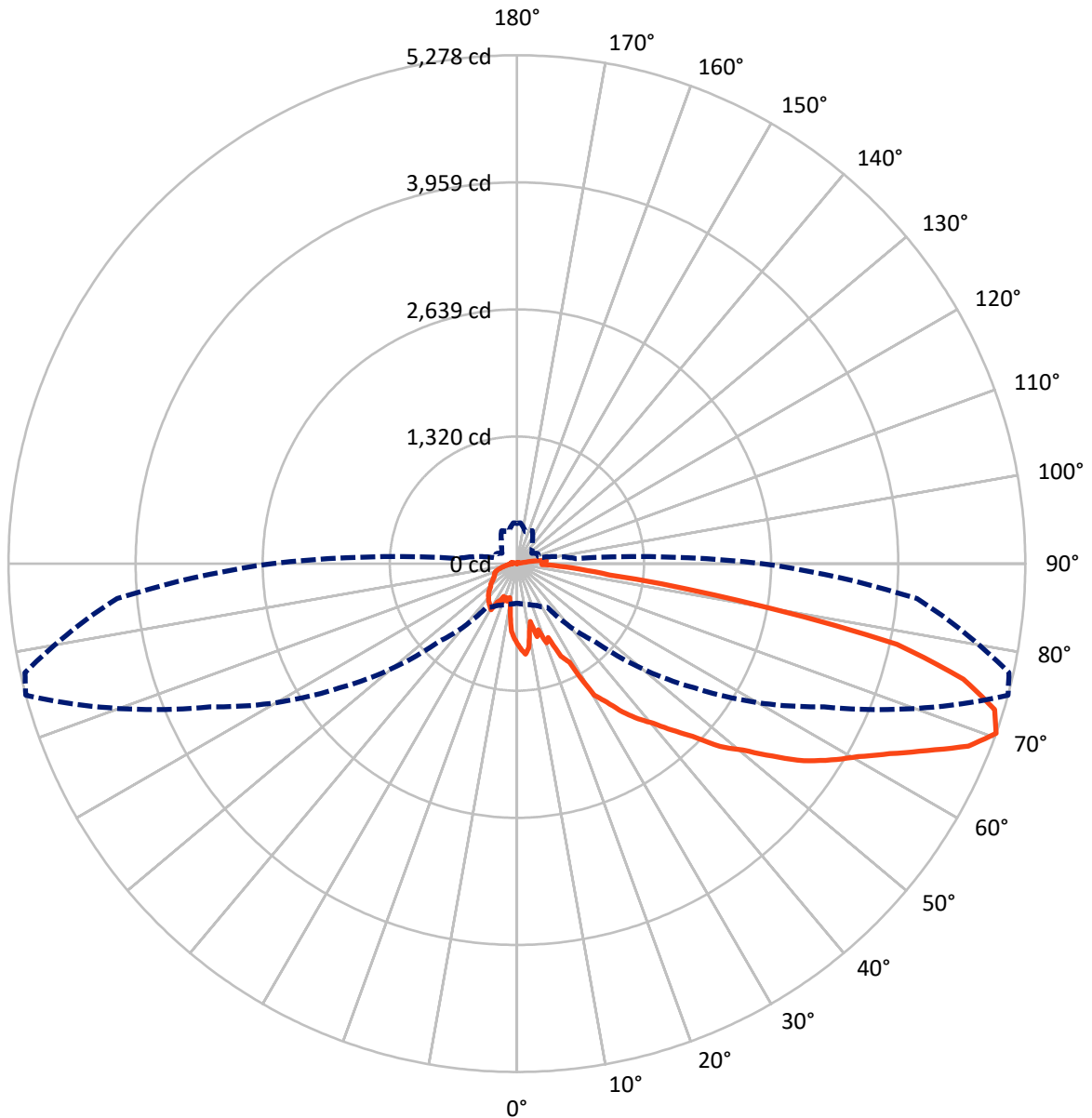
Based on 10 foot mounting height. Maximum calculated value = 12.9 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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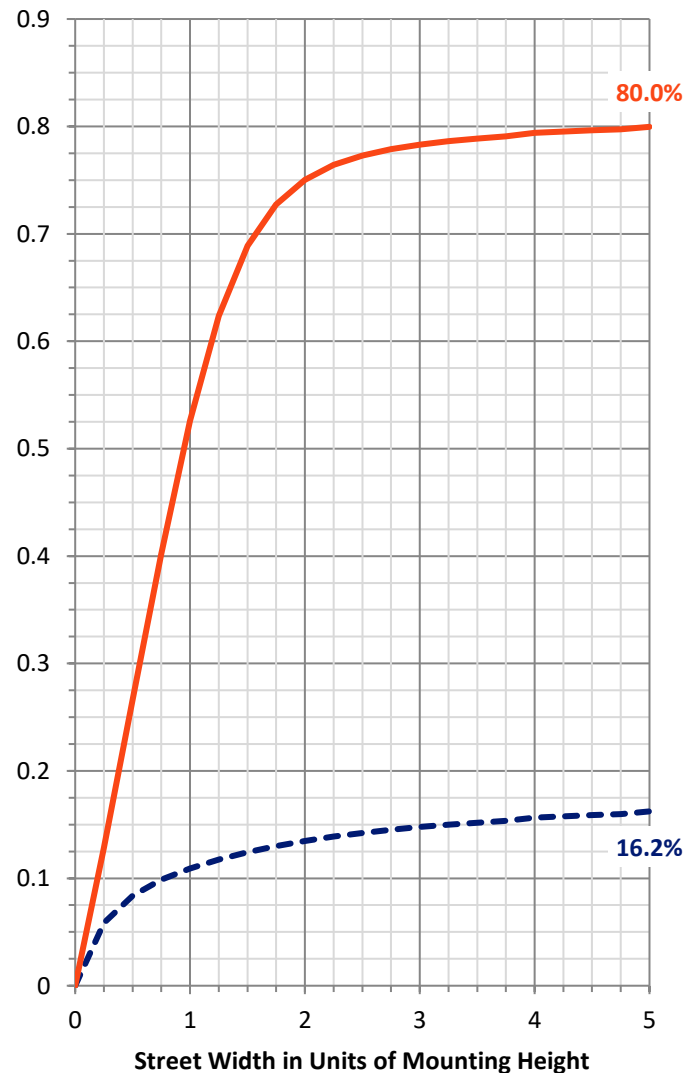
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1063.1	63.6	1126.6
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	5011.4	80.4	5091.9
	% Fixture	80.6	1.3	81.9
Total	Lumens	6074.5	144.0	6218.5
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.4	1.1
10°-20°	181.4	2.9
20°-30°	327.5	5.3
30°-40°	669.1	10.8
40°-50°	1050.8	16.9
50°-60°	1290.3	20.7
60°-70°	1283.3	20.6
70°-80°	949.2	15.3
80°-90°	253.6	4.1
90°-100°	93.7	1.5
100°-110°	21.9	0.4
110°-120°	10.4	0.2
120°-130°	9.3	0.1
130°-140°	4.5	0.1
140°-150°	2.2	0.0
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6074.5	97.7
0°-180°	6218.5	100.0

Coefficient of Utilization



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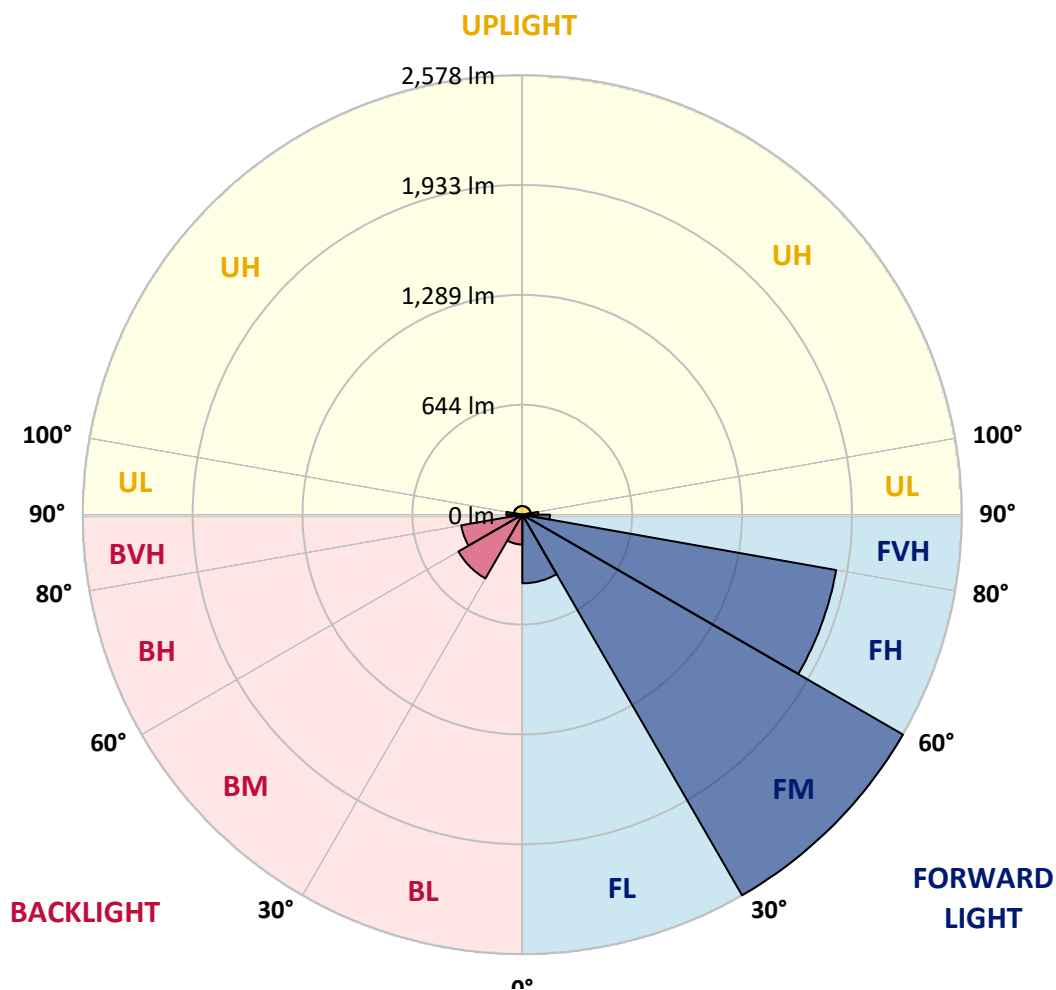
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	403.0	6.5			
FM	(30°-60°)	2577.7	41.5			
FH	(60°-80°)	1868.8	30.1			G2/5000
FVH	(80°-90°)	161.9	2.6			G2/225
BL	(0°-30°)	175.2	2.8	B1/500		
BM	(30°-60°)	432.5	7.0	B1/1000		
BH	(60°-80°)	363.6	5.8	B1/500		G1/500
BVH	(80°-90°)	91.7	1.5			G1/100
UL	(90°-100°)	93.7	1.5		U3/500	
UH	(100°-180°)	50.3	0.8		U3/500	

BUG Rating: B1-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	833.5	833.5	833.5	833.5	833.5	833.5	833.5	833.5	833.5	833.5	833.5
2.5°	865.1	913.7	935.6	959.9	981.8	969.6	950.2	921.0	894.3	884.6	855.4
5°	955.0	950.2	947.7	940.4	928.3	906.4	879.7	984.2	942.9	925.9	877.3
7.5°	840.8	974.5	989.0	1003.6	998.8	972.0	938.0	843.2	879.7	857.8	797.1
10°	1027.9	1027.9	1023.1	1027.9	972.0	928.3	794.6	738.7	712.0	770.3	714.4
12.5°	874.8	952.6	1049.8	1069.2	984.2	862.7	806.8	780.1	614.8	607.5	651.3
15°	1018.2	1030.4	1032.8	1037.6	838.4	904.0	746.0	692.6	784.9	763.0	770.3
17.5°	818.9	831.1	989.0	979.3	901.6	721.7	872.4	782.5	721.7	695.0	685.3
20°	1030.4	1032.8	1025.5	828.7	870.0	942.9	816.5	792.2	879.7	877.3	840.8
22.5°	877.3	879.7	906.4	998.8	899.1	952.6	821.4	989.0	833.5	835.9	648.8
25°	1173.7	1176.2	1151.9	889.4	1010.9	894.3	996.3	889.4	1064.4	1030.4	950.2
27.5°	1232.1	1142.1	1049.8	1103.3	964.7	1110.5	947.7	1076.5	1156.7	1149.4	1161.6
30°	1562.5	1567.4	1504.2	1207.8	1130.0	1096.0	1093.5	1278.2	1584.4	1596.6	1394.9
32.5°	2116.6	2087.4	1776.4	1489.6	1217.5	1336.5	1227.2	1479.9	1713.2	1705.9	1494.5
35°	2369.3	2340.2	2223.5	1839.6	1407.0	1443.5	1385.1	1574.7	1890.6	1834.7	1594.1
37.5°	2583.2	2578.3	2481.1	2026.7	1599.0	1652.5	1479.9	1691.3	2043.7	1985.4	1696.2
40°	2767.9	2750.9	2665.8	2194.4	1795.8	1798.3	1599.0	1832.3	2179.8	2194.4	1795.8
42.5°	2921.0	2906.4	2835.9	2362.0	1912.5	1927.1	1725.4	1975.7	2362.0	2388.8	1951.4
45°	2984.1	2991.4	2942.8	2512.7	2017.0	2043.7	1876.0	2121.5	2556.4	2578.3	2089.9
47.5°	3030.3	3032.7	3020.6	2636.6	2128.8	2140.9	2024.3	2252.7	2838.3	2794.6	2252.7
50°	2925.8	2916.1	2928.3	2731.4	2226.0	2240.5	2148.2	2388.8	3040.0	2984.1	2422.8
52.5°	2651.2	2663.4	2789.7	2682.8	2257.5	2286.7	2264.8	2507.8	3319.5	3275.8	2665.8
55°	1961.1	2014.5	2379.1	2483.5	2255.1	2306.1	2371.8	2733.8	3613.5	3547.9	2872.4
57.5°	1586.8	1586.8	1800.7	2143.3	2131.2	2294.0	2481.1	2886.9	3846.8	3800.7	3078.9
60°	1273.4	1273.4	1390.0	1701.1	1890.6	2233.2	2592.9	3112.9	4068.0	4041.2	3261.2
62.5°	998.8	996.3	1093.5	1268.5	1550.4	2099.6	2651.2	3307.3	4345.0	4340.1	3552.8
65°	721.7	731.5	814.1	923.4	1217.5	1849.3	2648.8	3482.3	4677.9	4692.5	3880.8
67.5°	534.6	539.5	585.7	665.8	835.9	1533.4	2532.1	3603.8	5054.6	5030.3	4089.8
70°	410.7	418.0	437.4	478.7	556.5	1139.7	2250.3	3518.8	5278.1	5232.0	4167.6
72.5°	345.1	347.5	345.1	366.9	371.8	772.8	1803.1	3195.6	5185.8	5112.9	3953.7
75°	294.0	291.6	289.2	294.0	274.6	510.3	1292.8	2704.7	4787.3	4660.9	3492.0
77.5°	252.7	250.3	240.6	243.0	218.7	376.7	882.1	2121.5	4033.9	3737.5	2624.5
80°	209.0	209.0	201.7	201.7	184.7	286.7	563.8	1462.9	2349.9	2114.2	1365.7
82.5°	162.8	160.4	160.4	165.2	158.0	223.6	369.4	729.0	969.6	908.9	639.1
85°	87.5	87.5	99.6	111.8	109.4	136.1	281.9	430.1	573.5	554.1	357.2
87.5°	26.7	26.7	29.2	36.5	38.9	72.9	177.4	209.0	260.0	286.7	281.9
90°	29.2	26.7	19.4	21.9	24.3	53.5	165.2	201.7	262.4	291.6	298.9
92.5°	34.0	31.6	19.4	19.4	24.3	43.7	158.0	196.8	286.7	315.9	323.2
95°	36.5	34.0	19.4	19.4	24.3	38.9	140.9	194.4	306.2	345.1	345.1
97.5°	34.0	31.6	14.6	17.0	21.9	34.0	109.4	160.4	213.8	235.7	272.2
100°	29.2	29.2	9.7	14.6	19.4	24.3	63.2	87.5	63.2	60.8	60.8
102.5°	26.7	26.7	9.7	12.2	14.6	17.0	29.2	46.2	14.6	17.0	21.9
105°	26.7	29.2	7.3	9.7	9.7	9.7	14.6	24.3	12.2	14.6	21.9
107.5°	26.7	29.2	7.3	7.3	9.7	7.3	7.3	9.7	12.2	14.6	24.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	17.0	17.0	4.9	7.3	7.3	7.3	4.9	7.3	12.2	17.0	24.3
115°	12.2	9.7	4.9	7.3	4.9	7.3	4.9	7.3	12.2	17.0	21.9
117.5°	9.7	7.3	4.9	4.9	4.9	4.9	2.4	7.3	14.6	19.4	26.7
120°	9.7	9.7	4.9	4.9	4.9	4.9	2.4	7.3	21.9	24.3	34.0
122.5°	9.7	9.7	4.9	4.9	4.9	4.9	2.4	4.9	19.4	26.7	36.5
125°	9.7	9.7	4.9	4.9	4.9	4.9	2.4	4.9	17.0	24.3	31.6
127.5°	9.7	9.7	4.9	2.4	4.9	4.9	4.9	4.9	14.6	19.4	26.7
130°	9.7	9.7	4.9	2.4	4.9	4.9	4.9	4.9	12.2	14.6	21.9
132.5°	7.3	7.3	4.9	2.4	4.9	2.4	2.4	4.9	9.7	12.2	17.0
135°	4.9	4.9	4.9	2.4	4.9	2.4	2.4	2.4	4.9	7.3	12.2
137.5°	2.4	4.9	2.4	2.4	4.9	2.4	2.4	2.4	2.4	2.4	4.9
140°	2.4	2.4	2.4	2.4	4.9	2.4	2.4	2.4	2.4	2.4	2.4
142.5°	2.4	2.4	2.4	2.4	4.9	4.9	2.4	2.4	2.4	2.4	2.4
145°	2.4	2.4	2.4	2.4	7.3	4.9	2.4	2.4	2.4	2.4	2.4
147.5°	2.4	2.4	2.4	9.7	7.3	4.9	2.4	2.4	2.4	2.4	2.4
150°	12.2	12.2	12.2	9.7	7.3	4.9	7.3	2.4	2.4	2.4	2.4
152.5°	12.2	12.2	14.6	7.3	4.9	2.4	2.4	9.7	7.3	4.9	4.9
155°	9.7	7.3	7.3	2.4	2.4	2.4	2.4	2.4	7.3	9.7	9.7
157.5°	2.4	2.4	4.9	2.4	2.4	2.4	2.4	2.4	4.9	2.4	2.4
160°	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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°	833.5	833.5	833.5	833.5	833.5	833.5	833.5	833.5	833.5	833.5	833.5
2.5°	838.4	818.9	772.8	738.7	697.4	661.0	629.4	558.9	546.8	539.5	537.0
5°	838.4	797.1	707.2	597.8	512.7	493.3	483.6	483.6	478.7	481.2	483.6
7.5°	743.6	687.7	551.6	466.6	481.2	481.2	483.6	471.4	432.6	437.4	430.1
10°	651.3	580.8	415.5	379.1	415.5	418.0	473.9	495.7	503.0	505.5	505.5
12.5°	600.2	500.6	359.7	371.8	335.4	384.0	452.0	505.5	459.3	435.0	435.0
15°	690.1	592.9	403.4	325.6	330.5	384.0	342.6	478.7	495.7	500.6	500.6
17.5°	619.7	522.5	369.4	335.4	369.4	315.9	386.4	439.8	420.4	398.5	396.1
20°	743.6	617.2	413.1	328.1	325.6	374.2	342.6	359.7	449.6	452.0	449.6
22.5°	578.4	493.3	366.9	371.8	325.6	357.2	337.8	371.8	354.8	352.4	354.8
25°	801.9	639.1	422.8	320.8	340.2	315.9	340.2	313.5	376.7	381.5	384.0
27.5°	981.8	763.0	449.6	347.5	296.5	323.2	303.8	313.5	291.6	303.8	308.6
30°	1168.9	889.4	549.2	384.0	313.5	277.0	281.9	279.5	315.9	313.5	308.6
32.5°	1229.6	906.4	524.9	401.0	311.1	279.5	257.6	274.6	301.3	323.2	325.6
35°	1290.4	918.6	505.5	384.0	303.8	262.4	252.7	281.9	303.8	306.2	313.5
37.5°	1360.8	928.3	486.0	359.7	281.9	257.6	250.3	262.4	311.1	306.2	298.9
40°	1426.5	933.2	461.7	337.8	257.6	252.7	233.3	262.4	274.6	284.3	289.2
42.5°	1543.1	962.3	442.3	318.3	240.6	240.6	223.6	245.4	281.9	286.7	284.3
45°	1628.2	952.6	415.5	301.3	223.6	213.8	218.7	267.3	284.3	313.5	308.6
47.5°	1749.7	976.9	384.0	274.6	209.0	196.8	206.6	260.0	291.6	313.5	318.3
50°	1868.7	972.0	357.2	252.7	199.3	187.1	228.4	252.7	286.7	323.2	323.2
52.5°	2024.3	979.3	345.1	233.3	187.1	187.1	235.7	255.2	294.0	318.3	318.3
55°	2162.8	952.6	315.9	226.0	184.7	179.8	238.1	264.9	296.5	318.3	320.8
57.5°	2264.8	899.1	294.0	218.7	182.3	184.7	238.1	286.7	277.0	318.3	325.6
60°	2376.6	840.8	274.6	218.7	182.3	192.0	245.4	303.8	303.8	332.9	332.9
62.5°	2529.7	804.4	264.9	221.1	177.4	199.3	267.3	330.5	306.2	352.4	354.8
65°	2658.5	755.8	257.6	230.9	179.8	209.0	279.5	352.4	320.8	374.2	371.8
67.5°	2660.9	682.9	247.9	240.6	182.3	216.3	279.5	366.9	337.8	393.7	386.4
70°	2544.3	610.0	233.3	240.6	189.5	223.6	279.5	376.7	340.2	425.3	418.0
72.5°	2294.0	498.2	211.4	230.9	201.7	233.3	294.0	374.2	340.2	459.3	452.0
75°	1951.4	398.5	182.3	211.4	201.7	245.4	303.8	371.8	328.1	437.4	422.8
77.5°	1484.8	325.6	153.1	184.7	192.0	250.3	303.8	366.9	318.3	408.3	398.5
80°	765.5	228.4	123.9	158.0	179.8	245.4	301.3	347.5	284.3	362.1	357.2
82.5°	420.4	167.7	99.6	116.6	150.7	230.9	291.6	313.5	250.3	296.5	284.3
85°	272.2	121.5	80.2	94.8	126.4	192.0	245.4	247.9	177.4	213.8	201.7
87.5°	204.1	70.5	51.0	58.3	87.5	106.9	155.5	160.4	111.8	131.2	123.9
90°	213.8	70.5	53.5	60.8	77.8	80.2	114.2	121.5	87.5	99.6	99.6
92.5°	228.4	70.5	55.9	63.2	70.5	63.2	89.9	99.6	72.9	80.2	77.8
95°	233.3	68.0	60.8	65.6	63.2	51.0	72.9	80.2	60.8	60.8	60.8
97.5°	170.1	48.6	60.8	65.6	58.3	41.3	55.9	63.2	38.9	31.6	31.6
100°	46.2	24.3	58.3	63.2	51.0	34.0	48.6	48.6	24.3	17.0	17.0
102.5°	19.4	19.4	51.0	55.9	38.9	21.9	34.0	34.0	17.0	7.3	7.3
105°	19.4	14.6	36.5	41.3	26.7	12.2	17.0	19.4	12.2	7.3	7.3
107.5°	19.4	14.6	17.0	21.9	12.2	9.7	9.7	9.7	7.3	7.3	7.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.3	17.0	9.7	12.2	9.7	7.3	7.3	7.3	9.7	21.9	21.9
115°	21.9	14.6	9.7	9.7	7.3	7.3	4.9	4.9	9.7	26.7	26.7
117.5°	24.3	17.0	9.7	9.7	7.3	4.9	4.9	4.9	12.2	31.6	31.6
120°	29.2	19.4	9.7	7.3	4.9	4.9	4.9	4.9	14.6	34.0	34.0
122.5°	31.6	21.9	9.7	7.3	4.9	2.4	4.9	7.3	17.0	34.0	34.0
125°	26.7	19.4	9.7	7.3	4.9	2.4	4.9	7.3	17.0	31.6	34.0
127.5°	24.3	17.0	9.7	4.9	4.9	2.4	2.4	7.3	14.6	24.3	29.2
130°	19.4	14.6	7.3	4.9	4.9	2.4	2.4	4.9	14.6	21.9	26.7
132.5°	17.0	12.2	7.3	4.9	4.9	2.4	2.4	4.9	14.6	19.4	19.4
135°	12.2	9.7	4.9	4.9	4.9	2.4	4.9	2.4	9.7	17.0	17.0
137.5°	7.3	4.9	4.9	4.9	4.9	2.4	2.4	2.4	7.3	9.7	9.7
140°	2.4	2.4	4.9	4.9	4.9	2.4	2.4	2.4	4.9	4.9	4.9
142.5°	2.4	2.4	4.9	4.9	4.9	2.4	2.4	2.4	4.9	4.9	4.9
145°	2.4	2.4	2.4	4.9	4.9	2.4	2.4	2.4	2.4	2.4	4.9
147.5°	2.4	2.4	2.4	4.9	2.4	2.4	2.4	2.4	2.4	2.4	4.9
150°	2.4	2.4	2.4	4.9	4.9	2.4	2.4	4.9	4.9	4.9	4.9
152.5°	2.4	2.4	4.9	4.9	2.4	2.4	2.4	4.9	4.9	4.9	4.9
155°	7.3	7.3	4.9	4.9	2.4	2.4	0.0	2.4	4.9	4.9	4.9
157.5°	2.4	2.4	4.9	2.4	2.4	2.4	0.0	2.4	2.4	2.4	2.4
160°	2.4	2.4	2.4	2.4	2.4	2.4	0.0	2.4	2.4	2.4	2.4
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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110°	24.3	24.3	4.9	7.3	7.3	7.3	4.9	7.3	12.2	17.0	24.3
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110°	21.9	14.6	9.7	12.2	9.7	7.3	7.3	7.3	7.3	9.7	12.2
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(END OF REPORT)