

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: P561041

Luminaire Tested: **SDL-PA1-80-727-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-727-U-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5932.2 lumens
Efficiency: N/A
Efficacy: 72.3 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): 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



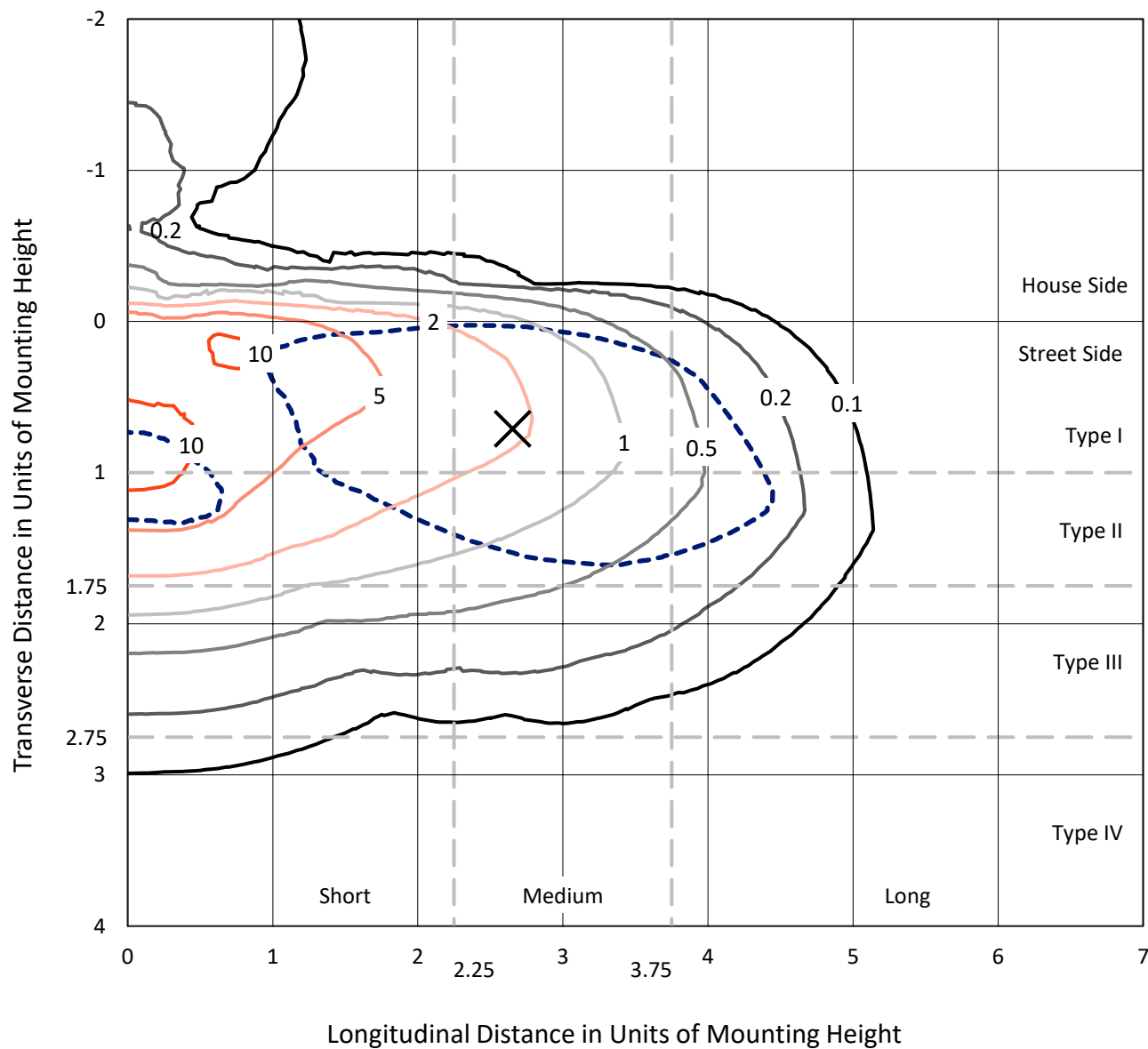
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



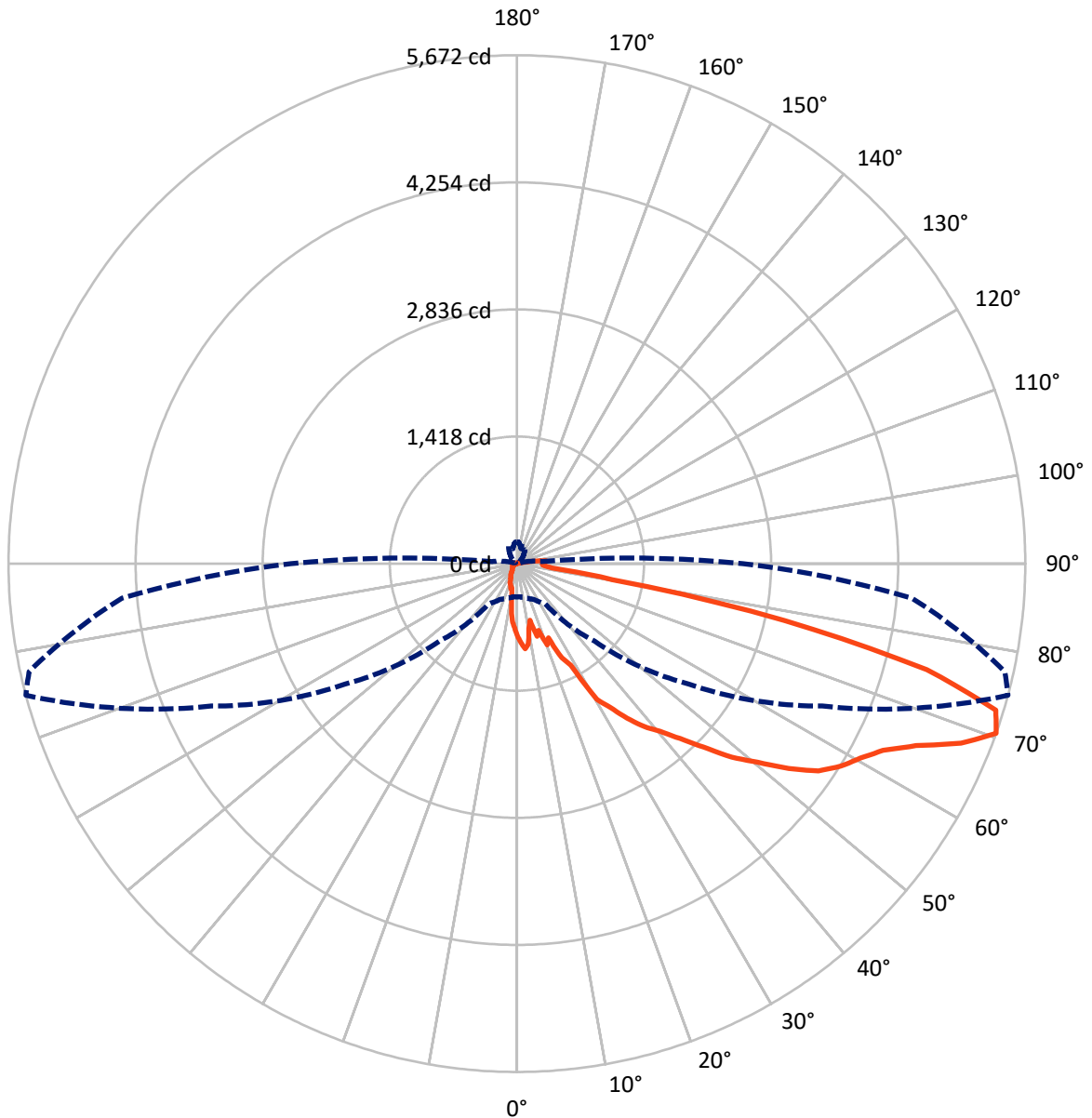
Based on 10 foot mounting height. Maximum calculated value = 14.8 fc

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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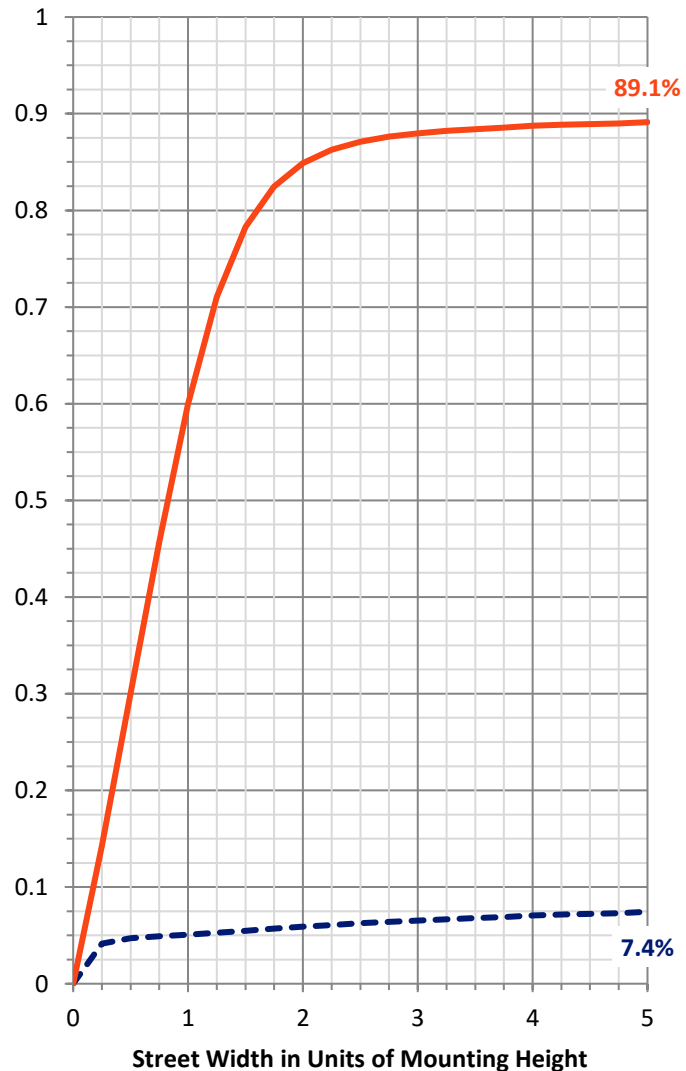
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	483.4	60.0	543.4
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	5313.2	75.6	5388.8
	% Fixture	89.6	1.3	90.8
Total	Lumens	5796.6	135.6	5932.2
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.1	1.1
10°-20°	156.5	2.6
20°-30°	293.6	4.9
30°-40°	658.8	11.1
40°-50°	1084.3	18.3
50°-60°	1329.1	22.4
60°-70°	1244.8	21.0
70°-80°	810.6	13.7
80°-90°	154.8	2.6
90°-100°	88.8	1.5
100°-110°	20.0	0.3
110°-120°	10.2	0.2
120°-130°	8.6	0.1
130°-140°	4.2	0.1
140°-150°	2.1	0.0
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5796.6	97.7
0°-180°	5932.2	100.0



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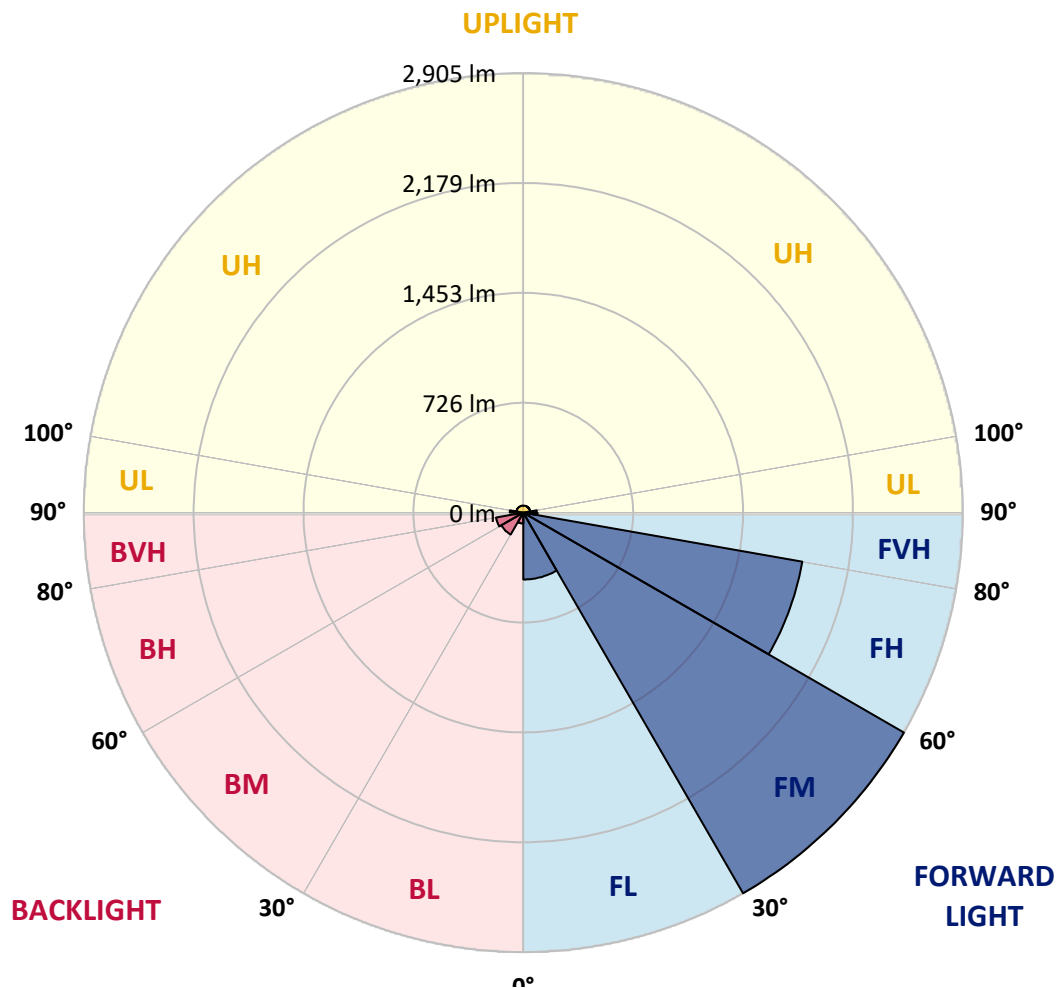
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	441.9	7.4			
FM	(30°-60°)	2905.1	49.0			
FH	(60°-80°)	1872.4	31.6			G2/5000
FVH	(80°-90°)	93.7	1.6			G1/100
BL	(0°-30°)	72.2	1.2	B0/110		
BM	(30°-60°)	167.1	2.8	B0/220		
BH	(60°-80°)	183.0	3.1	B1/500		G1/500
BVH	(80°-90°)	61.1	1.0			G1/100
UL	(90°-100°)	88.8	1.5		U3/500	
UH	(100°-180°)	46.8	0.8		U2/50	

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°	807.0	807.0	807.0	807.0	807.0	807.0	807.0	807.0	807.0	807.0	807.0
2.5°	900.5	957.1	974.1	1002.4	1016.6	999.6	968.5	928.8	886.3	875.0	838.2
5°	1022.3	1010.9	1002.4	1002.4	985.4	948.6	914.7	1019.4	954.3	940.1	866.5
7.5°	928.8	1016.6	1081.7	1087.4	1078.9	1050.6	1002.4	894.8	909.0	892.0	801.4
10°	1124.2	1127.0	1115.7	1124.2	1044.9	1005.3	849.5	784.4	733.4	801.4	719.3
12.5°	931.6	1070.4	1149.7	1178.0	1078.9	948.6	869.3	835.4	648.5	631.5	651.3
15°	1138.4	1144.0	1152.5	1124.2	875.0	993.9	807.0	744.7	841.0	818.4	804.2
17.5°	900.5	911.8	1104.4	1093.0	1013.8	787.2	960.0	855.2	781.6	753.2	733.4
20°	1146.9	1149.7	1146.9	869.3	945.8	1059.1	903.3	875.0	968.5	957.1	906.2
22.5°	962.8	962.8	1027.9	1115.7	993.9	1061.9	920.3	1090.2	900.5	894.8	674.0
25°	1330.9	1330.9	1285.6	985.4	1127.0	999.6	1093.0	979.8	1163.8	1124.2	1010.9
27.5°	1294.1	1254.5	1183.7	1243.1	1090.2	1251.6	1059.1	1195.0	1282.8	1319.6	1260.1
30°	1798.2	1798.2	1721.7	1330.9	1277.1	1209.2	1223.3	1430.0	1758.5	1764.2	1523.5
32.5°	2435.3	2390.0	1985.0	1716.0	1396.0	1517.8	1381.9	1682.1	1911.4	1902.9	1619.8
35°	2695.8	2681.7	2557.1	2106.8	1616.9	1662.2	1557.5	1778.3	2118.1	2061.5	1735.9
37.5°	2962.0	2939.3	2811.9	2327.7	1849.1	1908.6	1687.7	1919.9	2307.9	2225.7	1863.3
40°	3126.2	3129.1	3038.5	2503.3	2033.2	2064.3	1843.5	2092.7	2460.8	2477.8	1973.7
42.5°	3299.0	3296.1	3222.5	2710.0	2186.1	2225.7	1968.1	2256.9	2667.5	2687.3	2160.6
45°	3392.4	3386.8	3344.3	2851.6	2307.9	2336.2	2160.6	2457.9	2919.5	2913.9	2313.5
47.5°	3415.1	3423.6	3420.7	2990.3	2435.3	2446.6	2333.3	2605.2	3225.3	3163.0	2514.6
50°	3287.6	3293.3	3333.0	3100.7	2528.7	2540.1	2469.3	2772.3	3483.0	3409.4	2695.8
52.5°	2933.7	2967.7	3134.7	3032.8	2568.4	2610.9	2596.7	2899.7	3797.4	3706.7	2919.5
55°	2180.4	2259.7	2642.0	2777.9	2548.6	2613.7	2710.0	3131.9	4083.4	3972.9	3100.7
57.5°	1738.7	1752.8	1979.4	2353.2	2387.2	2599.5	2828.9	3273.5	4261.8	4151.3	3231.0
60°	1373.4	1396.0	1543.3	1843.5	2084.2	2514.6	2862.9	3417.9	4403.3	4309.9	3375.4
62.5°	1064.7	1061.9	1175.2	1376.2	1679.2	2336.2	2817.6	3505.7	4584.6	4513.8	3633.1
65°	741.9	741.9	838.2	999.6	1271.4	2016.2	2727.0	3630.3	4893.2	4873.4	3953.1
67.5°	506.9	518.2	583.3	662.6	872.2	1639.6	2591.0	3757.7	5343.5	5250.0	4261.8
70°	371.0	371.0	396.4	438.9	543.7	1223.3	2347.5	3760.5	5672.0	5575.7	4423.2
72.5°	274.7	274.7	294.5	314.3	342.6	812.7	1925.6	3522.7	5587.0	5434.1	4094.7
75°	144.4	144.4	223.7	232.2	229.4	526.7	1421.5	2894.0	4723.3	4468.5	3205.5
77.5°	113.3	116.1	127.4	181.2	167.1	345.5	792.9	1781.2	3052.6	2741.1	1735.9
80°	82.1	79.3	99.1	116.1	99.1	201.1	373.8	781.6	1081.7	937.3	572.0
82.5°	48.1	51.0	59.5	85.0	85.0	141.6	243.5	342.6	387.9	385.1	342.6
85°	5.7	8.5	31.1	56.6	51.0	82.1	203.9	237.9	305.8	311.5	305.8
87.5°	5.7	5.7	8.5	11.3	14.2	53.8	172.7	206.7	283.2	303.0	305.8
90°	11.3	8.5	5.7	5.7	8.5	42.5	161.4	212.4	300.2	305.8	320.0
92.5°	14.2	11.3	5.7	2.8	8.5	34.0	152.9	212.4	311.5	331.3	345.5
95°	19.8	17.0	5.7	2.8	8.5	28.3	130.3	201.1	325.6	359.6	373.8
97.5°	25.5	22.7	5.7	5.7	8.5	22.7	101.9	158.6	215.2	243.5	263.4
100°	28.3	28.3	5.7	5.7	8.5	14.2	51.0	87.8	68.0	65.1	73.6
102.5°	31.1	31.1	5.7	5.7	5.7	8.5	17.0	36.8	14.2	14.2	22.7
105°	31.1	31.1	5.7	5.7	5.7	5.7	5.7	14.2	11.3	14.2	25.5
107.5°	28.3	31.1	5.7	8.5	8.5	5.7	5.7	5.7	11.3	17.0	25.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	19.8	14.2	2.8	8.5	5.7	5.7	2.8	5.7	14.2	19.8	28.3
115°	8.5	5.7	2.8	5.7	5.7	5.7	2.8	5.7	14.2	22.7	28.3
117.5°	5.7	2.8	2.8	2.8	2.8	5.7	2.8	8.5	19.8	25.5	34.0
120°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	8.5	25.5	28.3	39.6
122.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7	25.5	28.3	39.6
125°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7	19.8	25.5	34.0
127.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7	14.2	19.8	28.3
130°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	14.2	17.0	22.7
132.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	8.5	11.3	17.0
135°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7	5.7	11.3
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
140°	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	2.8	2.8	2.8	2.8	5.7	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	5.7	5.7	5.7	2.8	2.8	2.8	2.8	2.8
150°	5.7	8.5	14.2	11.3	5.7	2.8	5.7	2.8	2.8	2.8	2.8
152.5°	14.2	14.2	11.3	11.3	2.8	2.8	5.7	5.7	2.8	2.8	2.8
155°	11.3	11.3	8.5	2.8	2.8	2.8	2.8	5.7	8.5	11.3	8.5
157.5°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
160°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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°	807.0	807.0	807.0	807.0	807.0	807.0	807.0	807.0	807.0	807.0	807.0
2.5°	809.9	781.6	719.3	671.1	620.1	591.8	538.0	492.7	458.7	453.1	453.1
5°	809.9	753.2	642.8	523.9	413.4	356.8	325.6	305.8	291.7	286.0	283.2
7.5°	724.9	651.3	504.0	365.3	317.2	266.2	229.4	201.1	175.6	167.1	158.6
10°	634.3	543.7	342.6	252.0	201.1	167.1	150.1	141.6	133.1	130.3	130.3
12.5°	563.5	470.1	274.7	206.7	141.6	118.9	113.3	107.6	104.8	101.9	99.1
15°	688.1	563.5	286.0	141.6	99.1	85.0	79.3	82.1	87.8	87.8	87.8
17.5°	637.1	495.6	237.9	107.6	82.1	62.3	68.0	73.6	79.3	70.8	68.0
20°	761.7	583.3	232.2	85.0	68.0	62.3	59.5	51.0	65.1	65.1	65.1
22.5°	552.2	441.8	175.6	79.3	56.6	53.8	45.3	51.0	53.8	45.3	45.3
25°	818.4	574.8	172.7	62.3	56.6	42.5	45.3	36.8	45.3	45.3	45.3
27.5°	1013.8	679.6	152.9	65.1	48.1	42.5	34.0	36.8	34.0	34.0	34.0
30°	1206.3	764.6	138.8	65.1	45.3	34.0	31.1	28.3	34.0	34.0	34.0
32.5°	1263.0	744.7	110.4	68.0	42.5	31.1	25.5	28.3	28.3	31.1	31.1
35°	1328.1	727.8	93.4	59.5	39.6	28.3	22.7	25.5	28.3	31.1	31.1
37.5°	1390.4	699.4	85.0	53.8	34.0	25.5	19.8	22.7	59.5	65.1	65.1
40°	1469.7	665.5	79.3	48.1	28.3	19.8	17.0	45.3	53.8	62.3	62.3
42.5°	1582.9	645.6	73.6	45.3	25.5	17.0	17.0	39.6	76.5	85.0	85.0
45°	1676.4	611.7	70.8	39.6	22.7	14.2	28.3	53.8	62.3	79.3	76.5
47.5°	1792.5	580.5	68.0	36.8	19.8	14.2	31.1	56.6	79.3	90.6	90.6
50°	1917.1	563.5	65.1	34.0	19.8	14.2	53.8	53.8	65.1	101.9	101.9
52.5°	2075.7	552.2	59.5	28.3	17.0	28.3	73.6	65.1	79.3	104.8	104.8
55°	2152.1	515.4	56.6	25.5	14.2	28.3	79.3	73.6	82.1	110.4	110.4
57.5°	2220.1	478.6	51.0	25.5	14.2	36.8	85.0	93.4	79.3	96.3	107.6
60°	2282.4	441.8	45.3	22.7	14.2	45.3	93.4	130.3	110.4	130.3	130.3
62.5°	2426.8	413.4	39.6	25.5	11.3	51.0	121.8	158.6	124.6	158.6	155.7
65°	2562.7	379.5	36.8	22.7	14.2	59.5	133.1	184.1	135.9	184.1	184.1
67.5°	2616.5	337.0	34.0	22.7	14.2	68.0	133.1	203.9	161.4	206.7	209.5
70°	2523.1	277.5	31.1	25.5	17.0	76.5	138.8	218.0	172.7	240.7	240.7
72.5°	2143.6	189.7	31.1	28.3	34.0	85.0	164.2	226.5	181.2	288.8	291.7
75°	1599.9	107.6	34.0	31.1	36.8	96.3	181.2	235.0	189.7	291.7	291.7
77.5°	911.8	73.6	34.0	36.8	45.3	96.3	189.7	243.5	186.9	286.0	280.3
80°	317.2	53.8	34.0	42.5	56.6	96.3	192.6	240.7	181.2	266.2	266.2
82.5°	215.2	45.3	34.0	42.5	68.0	101.9	189.7	226.5	161.4	223.7	215.2
85°	201.1	36.8	36.8	45.3	73.6	101.9	172.7	195.4	135.9	167.1	164.2
87.5°	198.2	34.0	42.5	48.1	79.3	93.4	147.3	161.4	110.4	135.9	133.1
90°	206.7	34.0	45.3	51.0	73.6	76.5	118.9	135.9	90.6	107.6	104.8
92.5°	220.9	34.0	48.1	56.6	65.1	56.6	96.3	107.6	76.5	82.1	79.3
95°	235.0	34.0	53.8	59.5	53.8	42.5	73.6	87.8	62.3	59.5	59.5
97.5°	155.7	25.5	56.6	59.5	45.3	31.1	56.6	68.0	36.8	31.1	31.1
100°	51.0	19.8	59.5	62.3	42.5	22.7	48.1	51.0	28.3	14.2	14.2
102.5°	22.7	19.8	53.8	53.8	36.8	17.0	34.0	36.8	19.8	5.7	5.7
105°	19.8	11.3	31.1	39.6	25.5	8.5	17.0	19.8	11.3	5.7	5.7
107.5°	22.7	11.3	17.0	22.7	11.3	8.5	8.5	8.5	5.7	5.7	5.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.5	11.3	8.5	11.3	8.5	8.5	5.7	5.7	11.3	19.8	19.8
115°	25.5	11.3	8.5	11.3	8.5	8.5	5.7	2.8	11.3	28.3	31.1
117.5°	28.3	14.2	5.7	8.5	5.7	5.7	5.7	2.8	14.2	36.8	36.8
120°	34.0	14.2	5.7	5.7	5.7	2.8	5.7	5.7	14.2	39.6	39.6
122.5°	34.0	17.0	5.7	5.7	5.7	2.8	2.8	5.7	17.0	36.8	39.6
125°	28.3	14.2	5.7	5.7	5.7	2.8	2.8	5.7	17.0	34.0	39.6
127.5°	22.7	14.2	5.7	5.7	5.7	2.8	2.8	5.7	17.0	28.3	31.1
130°	19.8	11.3	5.7	5.7	5.7	2.8	2.8	5.7	14.2	22.7	25.5
132.5°	14.2	8.5	5.7	5.7	5.7	2.8	2.8	2.8	14.2	22.7	22.7
135°	11.3	8.5	5.7	5.7	5.7	2.8	2.8	2.8	11.3	17.0	17.0
137.5°	5.7	2.8	5.7	5.7	5.7	2.8	2.8	2.8	8.5	8.5	8.5
140°	2.8	2.8	2.8	5.7	2.8	2.8	2.8	2.8	2.8	5.7	2.8
142.5°	2.8	2.8	2.8	5.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	2.8	2.8	2.8	5.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	5.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	2.8	2.8	2.8	5.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8
152.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
155°	5.7	5.7	2.8	5.7	2.8	2.8	0.0	2.8	2.8	2.8	2.8
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
160°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
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°	25.5	25.5	5.7	8.5	8.5	5.7	2.8	5.7	11.3	17.0	28.3
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110°	22.7	11.3	8.5	14.2	11.3	8.5	5.7	5.7	5.7	8.5	8.5
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(END OF REPORT)