

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: P560736

Luminaire Tested: **SDL-PA1-60-740-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560736
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-740-U-T2U-A
Description: Springdale
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7123.8 lumens
Efficiency: N/A
Efficacy: 114.2 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: B2 - U3 - G2

Input Watts (W): 62.4
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

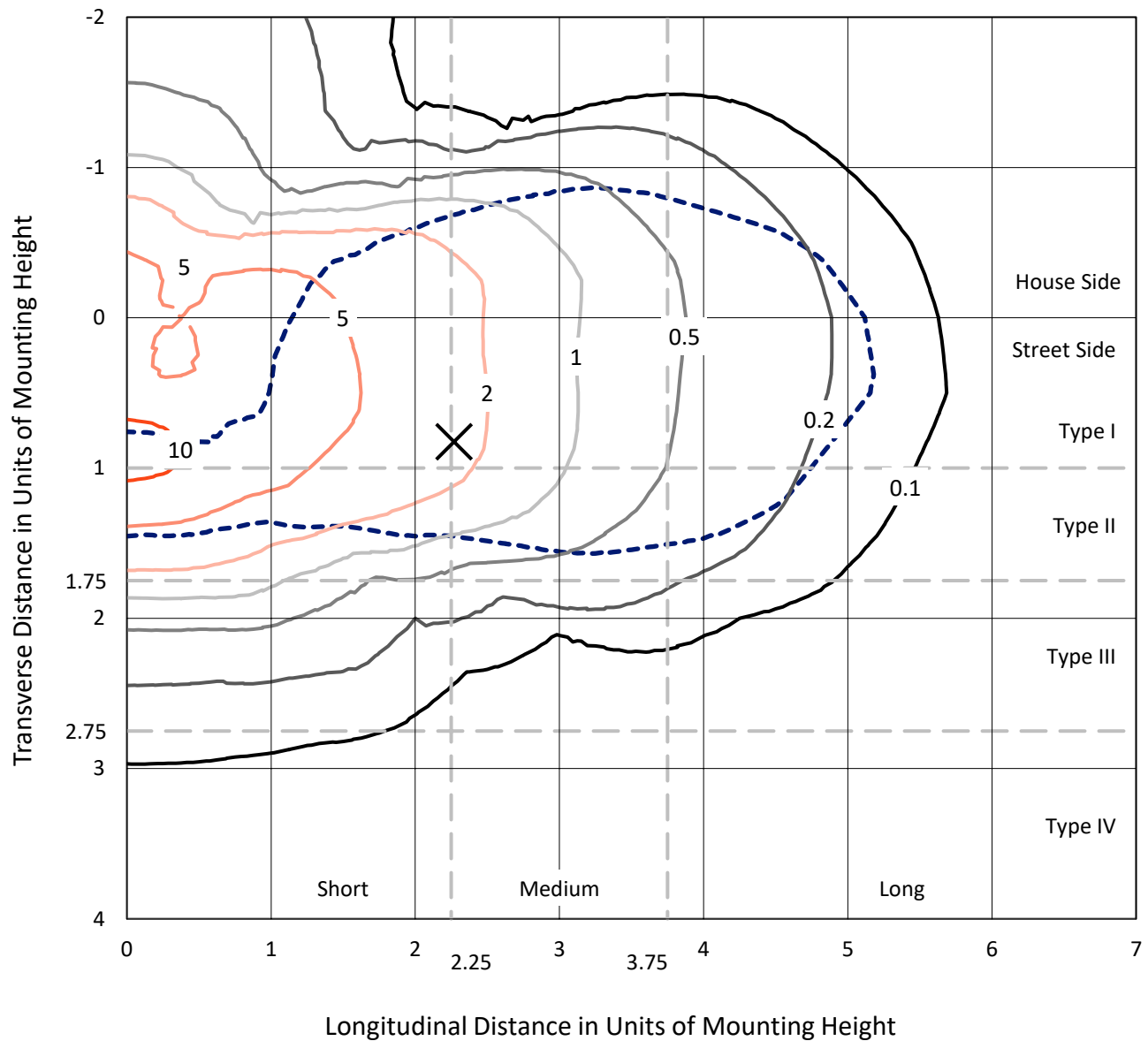


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

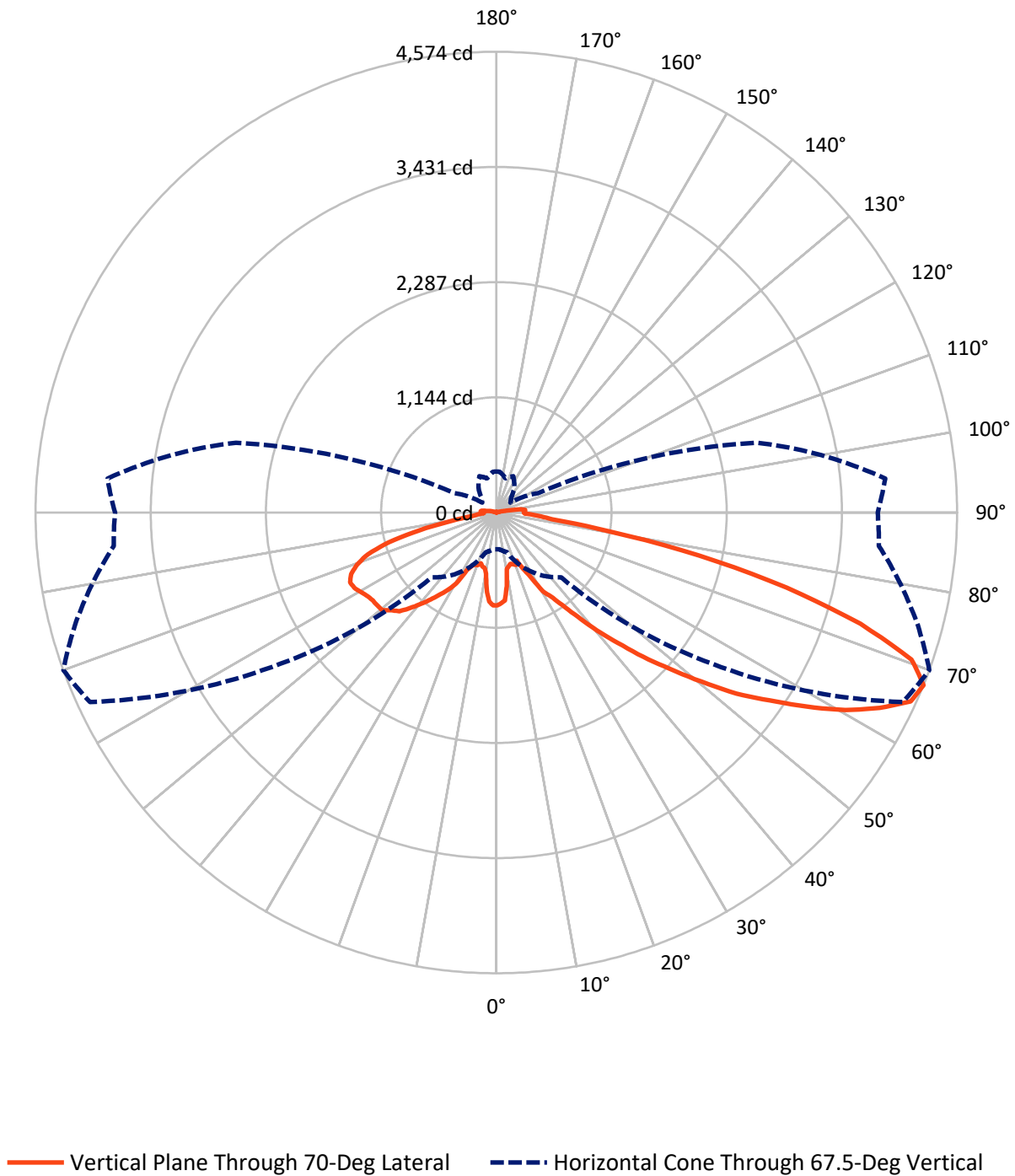


Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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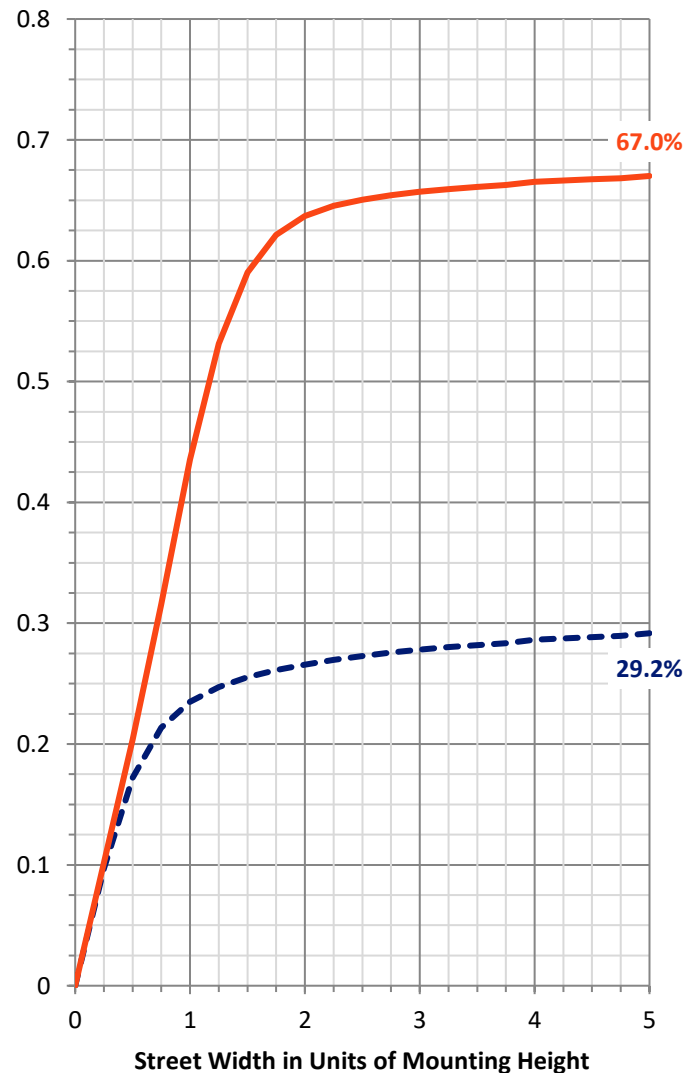
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2142.7	84.0	2226.7
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	4815.9	81.2	4897.1
	% Fixture	67.6	1.1	68.7
Total	Lumens	6958.6	165.2	7123.8
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	1.0
10°-20°	170.9	2.4
20°-30°	303.2	4.3
30°-40°	638.9	9.0
40°-50°	1194.4	16.8
50°-60°	1654.2	23.2
60°-70°	1595.1	22.4
70°-80°	1048.6	14.7
80°-90°	279.5	3.9
90°-100°	114.6	1.6
100°-110°	25.1	0.4
110°-120°	10.8	0.2
120°-130°	7.8	0.1
130°-140°	3.5	0.0
140°-150°	1.8	0.0
150°-160°	1.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6958.6	97.7
0°-180°	7123.8	100.0



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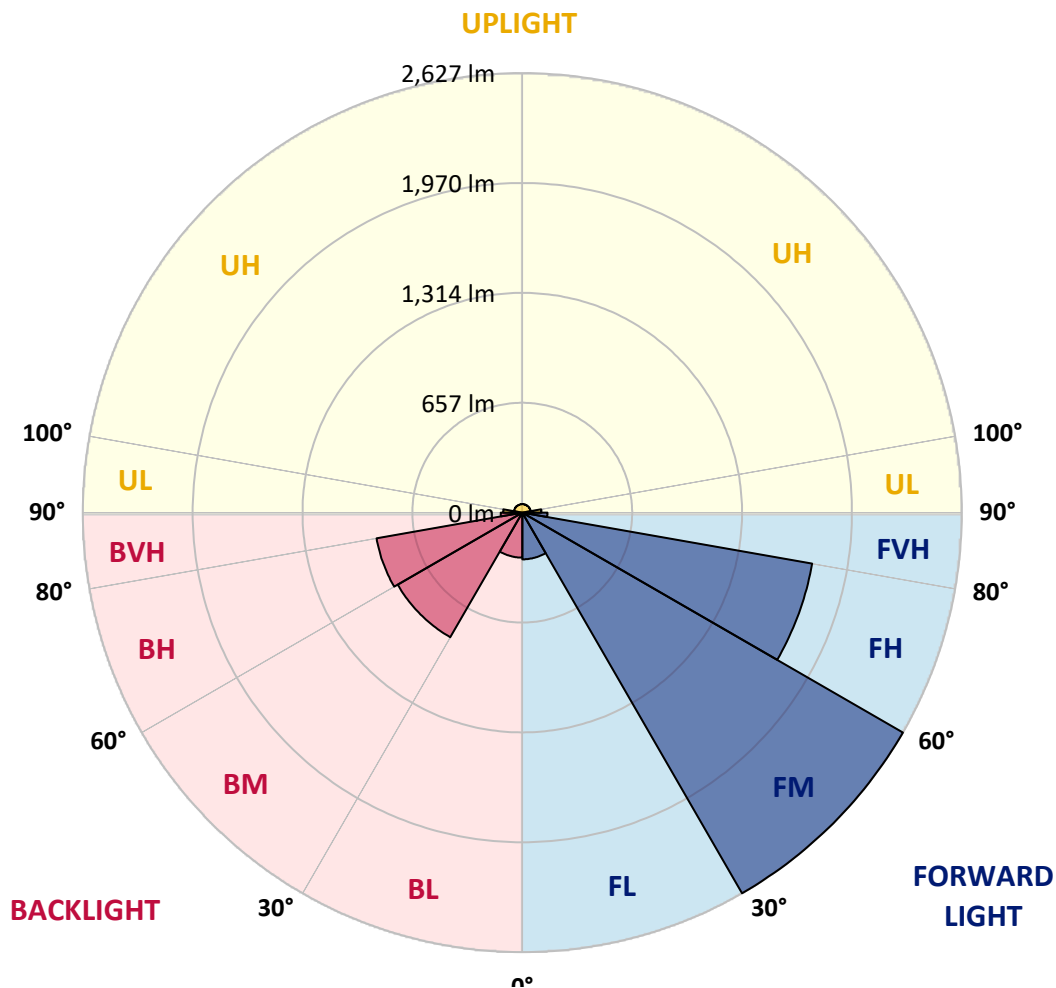
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	279.2	3.9			
FM	(30°-60°)	2627.2	36.9			
FH	(60°-80°)	1759.2	24.7			G1/1800
FVH	(80°-90°)	150.4	2.1			G2/225
BL	(0°-30°)	268.8	3.8	B1/500		
BM	(30°-60°)	860.2	12.1	B1/1000		
BH	(60°-80°)	884.5	12.4	B2/1000		G2/1000
BVH	(80°-90°)	129.1	1.8			G2/225
UL	(90°-100°)	114.6	1.6		U3/500	
UH	(100°-180°)	50.6	0.7		U3/500	

BUG Rating: B2-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	921.9	921.9	921.9	921.9	921.9	921.9	921.9	921.9	921.9	921.9	921.9
2.5°	769.6	832.2	813.2	873.0	886.6	900.2	902.9	905.6	902.9	905.6	911.1
5°	726.1	728.9	731.6	737.0	737.0	742.5	753.3	867.6	878.4	886.6	897.5
7.5°	606.5	633.7	685.3	704.4	712.5	723.4	728.9	728.9	739.7	766.9	786.0
10°	674.5	669.0	671.7	674.5	636.4	628.2	571.1	563.0	571.1	590.2	679.9
12.5°	565.7	592.9	650.0	663.6	617.3	546.6	538.5	549.4	546.6	492.2	576.6
15°	655.4	652.7	647.3	636.4	516.7	541.2	465.1	470.5	527.6	565.7	644.5
17.5°	571.1	568.4	644.5	622.8	543.9	421.5	530.3	492.2	538.5	497.7	533.0
20°	709.8	707.1	698.9	519.4	554.8	560.2	514.0	475.9	554.8	573.8	647.3
22.5°	644.5	644.5	696.2	682.6	563.0	592.9	489.5	579.3	519.4	527.6	489.5
25°	886.6	878.4	867.6	633.7	677.2	543.9	606.5	533.0	620.1	671.7	704.4
27.5°	859.4	843.1	832.2	840.4	679.9	712.5	601.0	663.6	715.3	737.0	821.3
30°	1207.5	1185.7	1153.1	881.2	845.8	728.9	726.1	821.3	905.6	973.6	1019.8
32.5°	1539.3	1544.7	1376.1	1183.0	935.5	973.6	864.8	962.7	989.9	1060.6	1087.8
35°	1974.4	1920.0	1814.0	1476.7	1139.5	1101.4	1006.3	1098.7	1125.9	1193.9	1210.2
37.5°	2317.1	2319.8	2156.6	1775.9	1365.2	1332.6	1166.7	1261.9	1310.8	1387.0	1359.8
40°	2646.2	2659.8	2529.2	2083.2	1650.8	1561.0	1359.8	1471.3	1539.3	1585.5	1539.3
42.5°	2939.9	2937.2	2847.4	2423.2	1917.3	1865.6	1563.8	1707.9	1767.7	1811.3	1775.9
45°	3171.1	3162.9	3081.3	2700.6	2232.8	2303.5	1830.3	1979.9	2042.4	2091.4	2004.3
47.5°	3249.9	3206.4	3171.1	2901.8	2526.5	2689.7	2159.4	2243.7	2317.1	2401.4	2260.0
50°	3165.6	3108.5	3122.1	2997.0	2774.0	3013.3	2512.9	2548.3	2638.0	2711.4	2502.0
52.5°	2814.8	2801.2	2877.3	2901.8	2880.1	3260.8	2910.0	2809.3	2986.1	2994.3	2752.2
55°	2352.5	2336.1	2515.6	2616.3	2779.4	3358.7	3247.2	3176.5	3290.7	3277.1	2975.2
57.5°	1895.6	1884.7	2047.9	2213.8	2496.6	3304.3	3483.8	3579.0	3636.1	3560.0	3181.9
60°	1270.1	1291.8	1571.9	1794.9	2042.4	2978.0	3573.6	3954.3	3981.5	3818.3	3399.5
62.5°	810.4	840.4	1019.8	1384.3	1525.7	2417.7	3508.3	4288.8	4272.5	4052.2	3600.7
65°	519.4	530.3	617.3	938.3	1093.3	1601.8	3217.3	4517.3	4520.0	4261.6	3761.2
67.5°	364.4	367.1	407.9	584.7	756.0	911.1	2616.3	4452.0	4574.4	4332.3	3812.9
70°	326.4	329.1	339.9	397.1	573.8	565.7	1585.5	3978.8	4373.1	4239.9	3734.0
72.5°	291.0	293.7	312.8	345.4	440.6	443.3	758.8	3168.3	3780.2	3910.8	3500.1
75°	242.0	247.5	269.2	323.6	339.9	372.6	508.6	2227.4	2975.2	3369.6	3222.7
77.5°	204.0	206.7	223.0	274.7	296.4	301.9	435.1	1234.7	2056.0	2480.3	2839.3
80°	163.2	163.2	176.8	217.6	244.8	247.5	388.9	652.7	1139.5	1501.2	1974.4
82.5°	106.1	108.8	125.1	163.2	182.2	244.8	345.4	475.9	557.5	723.4	897.5
85°	68.0	68.0	78.9	92.5	108.8	187.7	304.6	394.3	416.1	454.2	407.9
87.5°	32.6	32.6	29.9	35.4	40.8	70.7	212.1	280.1	282.8	277.4	299.2
90°	27.2	27.2	21.8	24.5	27.2	38.1	160.5	274.7	272.0	282.8	310.0
92.5°	29.9	29.9	21.8	24.5	27.2	32.6	116.9	277.4	285.6	299.2	329.1
95°	32.6	32.6	21.8	21.8	24.5	29.9	73.4	239.3	288.3	301.9	339.9
97.5°	29.9	29.9	16.3	19.0	21.8	27.2	46.2	179.5	225.7	236.6	269.2
100°	27.2	27.2	13.6	16.3	19.0	21.8	29.9	92.5	97.9	73.4	103.3
102.5°	24.5	27.2	10.9	13.6	13.6	13.6	19.0	43.5	43.5	24.5	27.2
105°	24.5	27.2	10.9	10.9	8.2	10.9	10.9	16.3	19.0	13.6	21.8
107.5°	27.2	27.2	10.9	10.9	8.2	8.2	8.2	10.9	13.6	10.9	21.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	16.3	16.3	8.2	10.9	5.4	5.4	5.4	8.2	10.9	13.6	29.9
115°	13.6	10.9	5.4	8.2	5.4	5.4	5.4	8.2	8.2	10.9	24.5
117.5°	13.6	10.9	5.4	5.4	2.7	5.4	5.4	8.2	8.2	10.9	21.8
120°	13.6	13.6	5.4	2.7	2.7	2.7	2.7	5.4	8.2	13.6	24.5
122.5°	16.3	13.6	5.4	5.4	2.7	2.7	2.7	5.4	8.2	13.6	24.5
125°	16.3	16.3	8.2	5.4	2.7	2.7	2.7	5.4	8.2	10.9	21.8
127.5°	16.3	13.6	8.2	5.4	2.7	2.7	2.7	2.7	5.4	8.2	19.0
130°	13.6	13.6	8.2	2.7	2.7	2.7	2.7	2.7	5.4	5.4	13.6
132.5°	10.9	10.9	8.2	2.7	2.7	2.7	2.7	2.7	2.7	5.4	10.9
135°	8.2	8.2	5.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7	8.2
137.5°	5.4	5.4	5.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
140°	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	5.4	5.4	2.7	2.7	2.7	2.7	2.7	2.7
150°	5.4	5.4	10.9	8.2	5.4	2.7	5.4	2.7	2.7	2.7	2.7
152.5°	8.2	8.2	10.9	8.2	2.7	2.7	2.7	5.4	2.7	2.7	2.7
155°	5.4	5.4	5.4	2.7	2.7	2.7	2.7	2.7	5.4	5.4	8.2
157.5°	0.0	0.0	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	921.9	921.9	921.9	921.9	921.9	921.9	921.9	921.9	921.9	921.9	921.9
2.5°	913.8	913.8	921.9	924.7	921.9	919.2	902.9	854.0	824.0	826.8	826.8
5°	900.2	902.9	911.1	862.1	802.3	807.7	815.9	818.6	818.6	824.0	824.0
7.5°	794.1	796.8	775.1	783.2	802.3	815.9	821.3	807.7	764.2	747.9	747.9
10°	688.1	688.1	611.9	614.6	636.4	677.2	805.0	818.6	832.2	834.9	832.2
12.5°	582.0	584.7	522.2	601.0	573.8	647.3	742.5	821.3	758.8	696.2	704.4
15°	650.0	655.4	587.4	516.7	530.3	639.1	554.8	761.5	766.9	766.9	766.9
17.5°	522.2	552.1	519.4	533.0	587.4	481.4	628.2	696.2	639.1	622.8	622.8
20°	650.0	650.0	592.9	514.0	543.9	625.5	557.5	620.1	728.9	728.9	726.1
22.5°	484.1	484.1	519.4	595.6	546.6	617.3	590.2	641.8	579.3	579.3	595.6
25°	698.9	690.8	630.9	527.6	622.8	571.1	592.9	560.2	655.4	663.6	658.1
27.5°	843.1	837.6	677.2	606.5	584.7	609.2	533.0	522.2	503.1	579.3	571.1
30°	998.1	984.5	886.6	731.6	641.8	514.0	481.4	500.4	554.8	557.5	554.8
32.5°	1071.5	1041.6	932.8	875.7	655.4	530.3	432.4	446.0	552.1	584.7	584.7
35°	1172.1	1139.5	1017.1	954.6	652.7	467.8	383.5	432.4	497.7	500.4	500.4
37.5°	1310.8	1261.9	1158.5	1000.8	609.2	413.4	353.5	383.5	429.7	443.3	448.7
40°	1471.3	1408.8	1316.3	1030.7	546.6	348.1	315.5	353.5	388.9	378.0	378.0
42.5°	1697.0	1604.6	1471.3	1077.0	467.8	307.3	288.3	323.6	348.1	353.5	350.8
45°	1909.2	1794.9	1653.5	1093.3	380.7	277.4	269.2	307.3	331.8	323.6	323.6
47.5°	2148.5	2004.3	1789.5	1055.2	312.8	261.1	269.2	296.4	307.3	320.9	320.9
50°	2385.1	2230.1	1988.0	995.4	277.4	250.2	269.2	285.6	307.3	315.5	312.8
52.5°	2599.9	2464.0	2107.7	889.3	258.4	242.0	261.1	285.6	312.8	326.4	326.4
55°	2833.8	2695.1	2216.5	794.1	242.0	225.7	269.2	296.4	304.6	312.8	312.8
57.5°	3010.6	2901.8	2336.1	709.8	231.2	225.7	274.7	310.0	307.3	315.5	315.5
60°	3225.4	3130.3	2444.9	669.0	214.8	214.8	285.6	334.5	312.8	337.2	337.2
62.5°	3453.9	3396.8	2551.0	639.1	198.5	209.4	288.3	353.5	323.6	361.7	364.4
65°	3674.2	3685.1	2648.9	568.4	184.9	209.4	293.7	378.0	334.5	383.5	388.9
67.5°	3785.7	3875.4	2676.1	456.9	171.3	206.7	310.0	397.1	350.8	405.2	407.9
70°	3763.9	3880.9	2613.5	337.2	160.5	217.6	334.5	413.4	359.0	432.4	432.4
72.5°	3573.6	3657.9	2428.6	255.6	149.6	209.4	339.9	418.8	364.4	475.9	475.9
75°	3304.3	3217.3	1998.9	212.1	141.4	209.4	331.8	413.4	359.0	465.1	462.3
77.5°	2866.5	2575.5	1378.8	187.7	133.3	201.3	310.0	402.5	342.7	432.4	437.9
80°	1838.4	1585.5	704.4	163.2	141.4	193.1	299.2	372.6	318.2	386.2	388.9
82.5°	837.6	704.4	320.9	144.1	138.7	174.1	272.0	331.8	277.4	329.1	326.4
85°	353.5	359.0	252.9	122.4	122.4	136.0	201.3	258.4	214.8	231.2	225.7
87.5°	274.7	263.8	174.1	73.4	78.9	59.8	130.5	184.9	141.4	149.6	146.9
90°	291.0	285.6	184.9	76.1	57.1	35.4	97.9	144.1	106.1	95.2	92.5
92.5°	310.0	307.3	206.7	81.6	57.1	29.9	84.3	116.9	76.1	65.3	62.6
95°	331.8	331.8	225.7	87.0	57.1	29.9	76.1	89.7	57.1	43.5	40.8
97.5°	263.8	269.2	193.1	89.7	54.4	29.9	68.0	73.4	43.5	24.5	24.5
100°	106.1	116.9	106.1	89.7	49.0	24.5	54.4	57.1	29.9	13.6	13.6
102.5°	24.5	29.9	73.4	78.9	38.1	16.3	35.4	35.4	19.0	8.2	8.2
105°	24.5	21.8	49.0	62.6	21.8	10.9	16.3	21.8	10.9	5.4	5.4
107.5°	24.5	24.5	21.8	29.9	10.9	8.2	8.2	8.2	5.4	5.4	5.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	32.6	29.9	13.6	10.9	8.2	8.2	5.4	5.4	8.2	27.2	27.2
115°	27.2	24.5	13.6	8.2	8.2	8.2	5.4	2.7	8.2	29.9	29.9
117.5°	24.5	21.8	13.6	8.2	5.4	8.2	5.4	2.7	8.2	29.9	29.9
120°	27.2	24.5	13.6	8.2	5.4	5.4	5.4	2.7	8.2	27.2	27.2
122.5°	27.2	27.2	16.3	5.4	5.4	2.7	5.4	2.7	8.2	24.5	24.5
125°	24.5	21.8	13.6	5.4	2.7	2.7	2.7	2.7	10.9	21.8	24.5
127.5°	21.8	19.0	10.9	5.4	2.7	2.7	2.7	2.7	8.2	16.3	19.0
130°	16.3	16.3	8.2	5.4	2.7	2.7	2.7	2.7	8.2	16.3	13.6
132.5°	10.9	10.9	8.2	5.4	2.7	2.7	2.7	2.7	8.2	10.9	10.9
135°	8.2	8.2	5.4	2.7	2.7	2.7	2.7	2.7	5.4	8.2	8.2
137.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4
140°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	2.7	2.7	2.7	2.7	5.4	2.7	2.7	5.4	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	5.4	2.7	2.7	2.7	2.7	8.2	8.2	5.4
155°	8.2	8.2	5.4	2.7	2.7	2.7	2.7	2.7	5.4	2.7	2.7
157.5°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	0.0	0.0	2.7	0.0
160°	0.0	0.0	2.7	2.7	2.7	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



Report Generated By 670245982



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110° | 24.5 24.5 8.2 10.9 5.4 5.4 5.4 8.2 10.9 24.5



110°	27.2	24.5	10.9	10.9	8.2	8.2	5.4	5.4	2.7	16.3	19.0
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(END OF REPORT)