

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: P560741

Luminaire Tested: **SDL-PA1-60-740-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560741
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-PA1-60-740-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 800mA 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: 5227.9 lumens
Efficiency: N/A
Efficacy: 83.8 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): 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



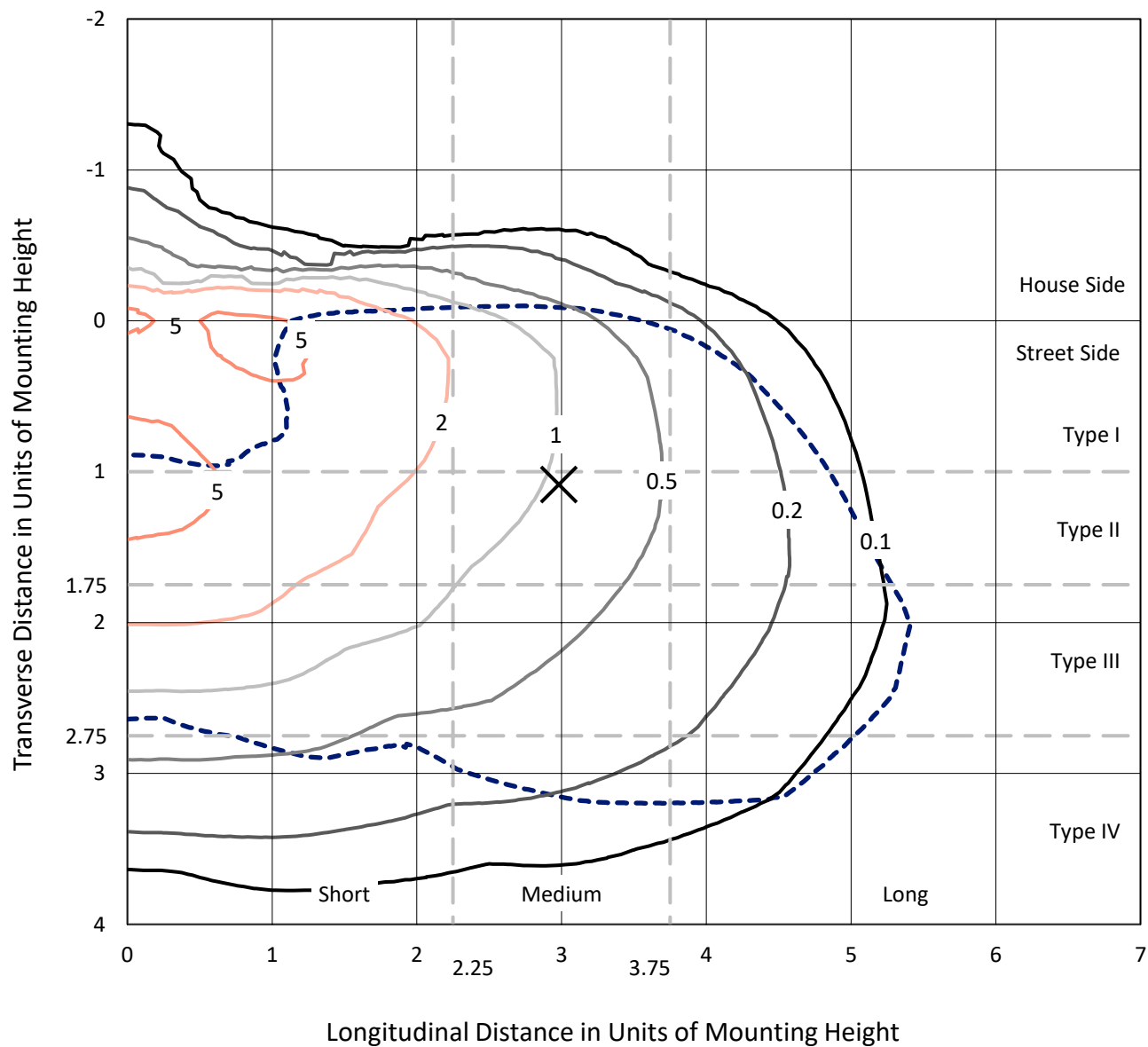
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

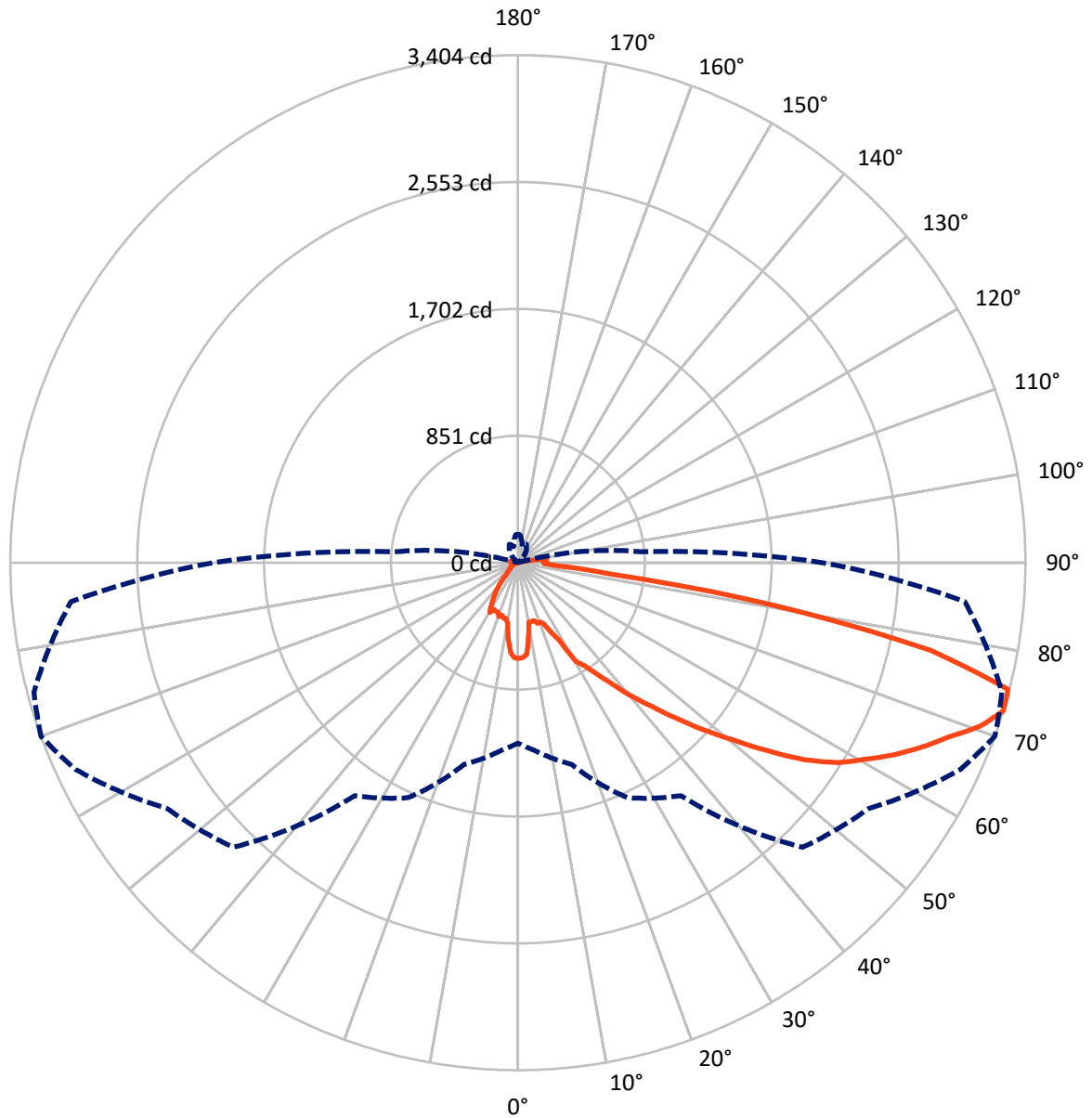


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc

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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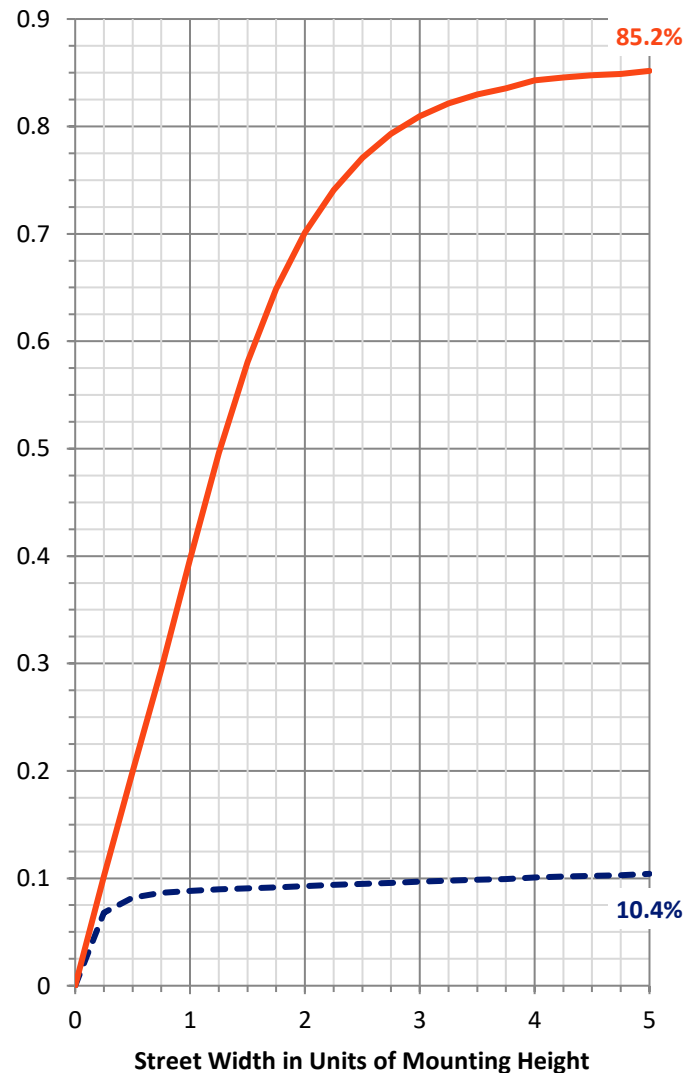
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	599.3	84.3	683.5
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	4476.1	68.2	4544.3
	% Fixture	85.6	1.3	86.9
Total	Lumens	5075.4	152.4	5227.9
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.5	0.9
10°-20°	97.9	1.9
20°-30°	158.6	3.0
30°-40°	338.9	6.5
40°-50°	666.2	12.7
50°-60°	1112.4	21.3
60°-70°	1380.7	26.4
70°-80°	1063.3	20.3
80°-90°	207.9	4.0
90°-100°	112.8	2.2
100°-110°	23.3	0.4
110°-120°	6.6	0.1
120°-130°	5.1	0.1
130°-140°	2.4	0.0
140°-150°	1.1	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5075.4	97.1
0°-180°	5227.9	100.0



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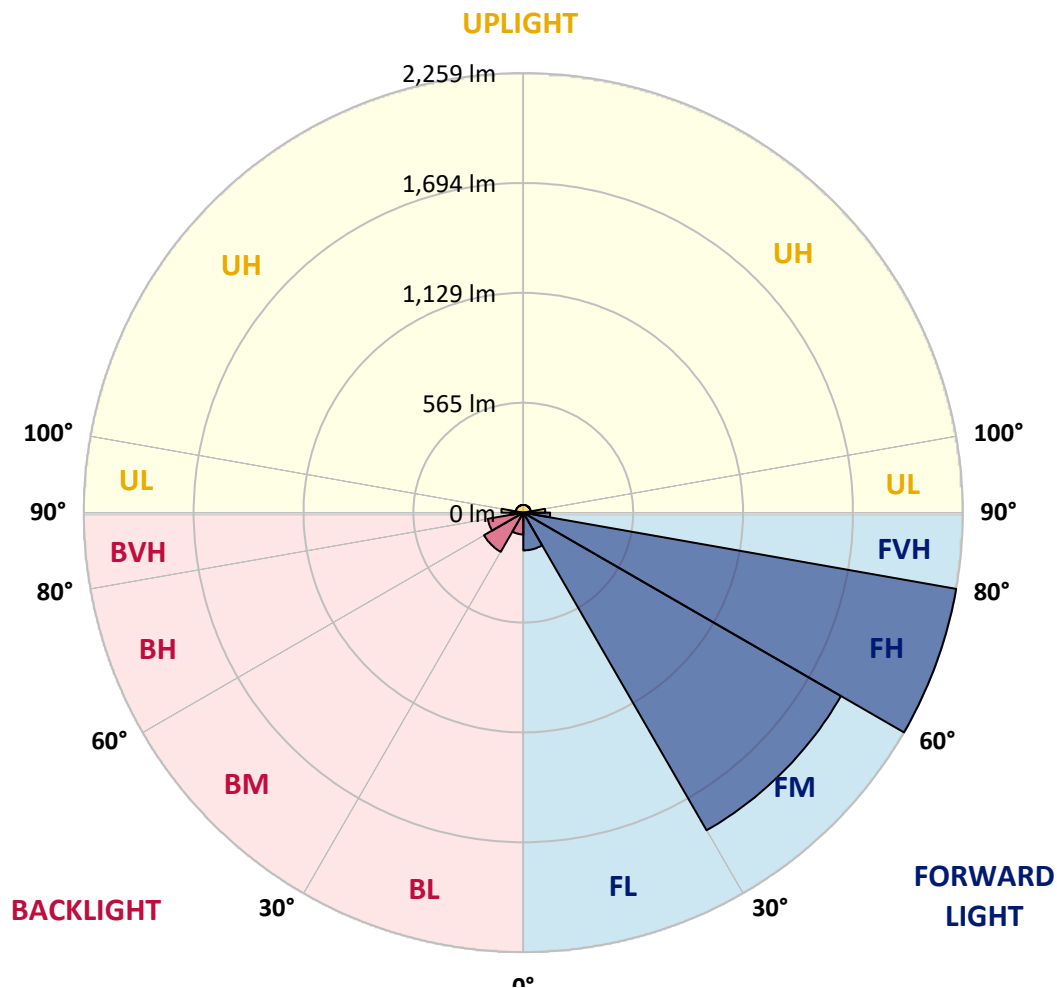
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.9	3.7			
FM	(30°-60°)	1885.1	36.1			
FH	(60°-80°)	2258.8	43.2			G2/5000
FVH	(80°-90°)	138.4	2.6			G2/225
BL	(0°-30°)	112.1	2.1	B1/500		
BM	(30°-60°)	232.4	4.4	B1/1000		
BH	(60°-80°)	185.2	3.5	B1/500		G1/500
BVH	(80°-90°)	69.6	1.3			G1/100
UL	(90°-100°)	112.8	2.2		U3/500	
UH	(100°-180°)	39.6	0.8		U2/50	

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°	642.2	642.2	642.2	642.2	642.2	642.2	642.2	642.2	642.2	642.2	642.2
2.5°	541.5	601.3	604.1	609.5	614.9	623.1	636.7	636.7	636.7	636.7	639.4
5°	514.3	514.3	514.3	519.7	519.7	525.2	527.9	609.5	617.7	625.8	625.8
7.5°	427.2	468.0	470.7	487.1	506.1	514.3	519.7	514.3	506.1	538.8	552.4
10°	468.0	468.0	468.0	473.5	446.2	432.6	400.0	402.7	405.4	429.9	489.8
12.5°	389.1	413.6	438.1	465.3	429.9	386.4	378.2	400.0	405.4	361.9	429.9
15°	454.4	451.7	451.7	427.2	356.5	386.4	337.4	356.5	402.7	440.8	511.5
17.5°	375.5	364.6	424.5	419.0	380.9	304.8	389.1	386.4	427.2	394.5	440.8
20°	446.2	443.5	443.5	342.8	378.2	410.9	405.4	378.2	424.5	473.5	557.8
22.5°	375.5	370.1	380.9	410.9	375.5	424.5	370.1	468.0	446.2	432.6	405.4
25°	473.5	470.7	470.7	375.5	424.5	389.1	468.0	427.2	517.0	563.2	614.9
27.5°	424.5	424.5	405.4	435.4	405.4	489.8	449.0	538.8	585.0	614.9	742.8
30°	587.7	590.5	557.8	432.6	451.7	459.8	530.6	666.6	767.3	840.8	919.7
32.5°	846.2	829.9	693.9	590.5	478.9	568.7	587.7	775.5	824.5	903.4	971.4
35°	1151.0	1142.8	1023.1	764.6	576.9	609.5	655.8	843.5	919.7	998.6	1039.4
37.5°	1360.5	1352.3	1276.1	974.1	696.6	710.2	715.6	938.7	1036.7	1115.6	1134.7
40°	1531.9	1518.3	1472.1	1137.4	857.1	829.9	802.7	1069.4	1180.9	1246.2	1254.4
42.5°	1790.4	1768.7	1651.6	1325.1	1020.4	990.4	897.9	1183.6	1317.0	1404.0	1409.5
45°	2100.6	2081.6	1918.3	1586.3	1194.5	1186.4	1066.6	1330.6	1488.4	1591.8	1561.9
47.5°	2312.9	2261.2	2168.6	1836.7	1463.9	1393.2	1254.4	1480.2	1673.4	1828.5	1744.2
50°	2506.0	2467.9	2389.0	2114.2	1755.0	1659.8	1450.3	1651.6	1869.3	2010.8	1896.5
52.5°	2685.6	2628.5	2563.2	2321.0	2005.4	1959.1	1643.5	1823.1	2095.2	2212.2	2054.4
55°	2775.4	2685.6	2674.7	2508.8	2198.6	2160.5	1861.2	2035.3	2331.9	2413.5	2204.0
57.5°	2628.5	2625.8	2710.1	2623.0	2356.4	2337.3	2081.6	2263.9	2530.5	2568.6	2350.9
60°	2530.5	2533.3	2661.1	2666.6	2495.2	2506.0	2280.2	2527.8	2677.5	2702.0	2489.7
62.5°	2359.1	2378.2	2571.3	2696.5	2530.5	2666.6	2448.9	2710.1	2835.3	2843.4	2661.1
65°	2144.1	2163.2	2359.1	2614.9	2492.4	2772.7	2590.4	2914.2	2979.5	2984.9	2848.9
67.5°	1893.8	1902.0	2119.7	2402.6	2399.9	2810.8	2677.5	3050.2	3118.3	3134.6	3009.4
70°	1616.3	1605.4	1804.0	2130.5	2201.3	2791.7	2783.6	3183.6	3287.0	3284.2	3121.0
72.5°	1210.8	1262.5	1401.3	1738.7	1907.4	2699.2	2873.4	3276.1	3404.0	3360.4	3009.4
75°	413.6	440.8	816.3	1107.4	1469.3	2451.6	2892.4	3281.5	3395.8	3202.6	2462.5
77.5°	136.1	127.9	182.3	440.8	816.3	1697.9	2544.1	2862.5	2832.6	2489.7	1512.9
80°	65.3	68.0	81.6	155.1	299.3	770.0	1597.2	1812.2	1771.4	1306.1	655.8
82.5°	43.5	46.3	54.4	89.8	168.7	263.9	849.0	827.2	625.8	410.9	269.4
85°	19.0	19.0	27.2	46.3	103.4	174.1	323.8	283.0	255.8	236.7	220.4
87.5°	5.4	5.4	10.9	16.3	35.4	108.8	182.3	171.4	176.9	185.0	209.5
90°	5.4	5.4	5.4	5.4	27.2	114.3	185.0	174.1	174.1	185.0	220.4
92.5°	8.2	8.2	5.4	5.4	24.5	114.3	193.2	166.0	176.9	187.7	236.7
95°	8.2	10.9	5.4	2.7	19.0	117.0	198.6	176.9	193.2	190.5	253.1
97.5°	10.9	10.9	5.4	2.7	10.9	100.7	201.4	144.2	146.9	136.1	198.6
100°	13.6	13.6	5.4	5.4	8.2	51.7	149.7	92.5	57.1	43.5	65.3
102.5°	16.3	16.3	5.4	5.4	5.4	19.0	68.0	54.4	29.9	8.2	16.3
105°	16.3	19.0	5.4	5.4	2.7	8.2	29.9	21.8	10.9	8.2	16.3
107.5°	19.0	19.0	5.4	5.4	2.7	5.4	8.2	8.2	5.4	8.2	16.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	13.6	13.6	5.4	8.2	2.7	2.7	2.7	5.4	5.4	8.2	16.3
115°	8.2	5.4	2.7	5.4	2.7	2.7	2.7	5.4	5.4	5.4	13.6
117.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4	8.2	16.3
120°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4	10.9	19.0
122.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	10.9	21.8
125°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	8.2	19.0
127.5°	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	5.4	8.2	16.3
130°	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7	5.4	10.9
132.5°	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7	5.4	10.9
135°	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	5.4
137.5°	2.7	2.7	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
140°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	5.4	5.4	5.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
152.5°	5.4	5.4	5.4	2.7	2.7	2.7	2.7	5.4	5.4	2.7	2.7
155°	2.7	2.7	2.7	0.0	0.0	2.7	2.7	2.7	2.7	5.4	5.4
157.5°	0.0	2.7	2.7	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7
160°	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7
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°	642.2	642.2	642.2	642.2	642.2	642.2	642.2	642.2	642.2	642.2	642.2
2.5°	639.4	639.4	636.7	642.2	639.4	639.4	604.1	568.7	560.5	563.2	568.7
5°	628.6	628.6	628.6	585.0	536.0	519.7	525.2	525.2	525.2	522.4	527.9
7.5°	555.1	552.4	544.2	495.2	517.0	514.3	511.5	506.1	440.8	424.5	424.5
10°	492.5	492.5	421.8	402.7	402.7	419.0	429.9	413.6	405.4	391.8	389.1
12.5°	432.6	432.6	361.9	402.7	340.1	337.4	329.2	302.0	255.8	223.1	225.8
15°	514.3	514.3	427.2	342.8	285.7	269.4	168.7	157.8	152.4	149.7	146.9
17.5°	438.1	440.8	394.5	340.1	266.7	141.5	119.7	119.7	119.7	114.3	103.4
20°	555.1	555.1	459.8	304.8	201.4	111.6	92.5	81.6	111.6	111.6	111.6
22.5°	402.7	397.3	405.4	310.2	125.2	89.8	76.2	95.2	100.7	84.4	84.4
25°	609.5	601.3	492.5	223.1	103.4	70.7	84.4	73.5	95.2	95.2	95.2
27.5°	751.0	696.6	500.7	204.1	76.2	81.6	68.0	81.6	73.5	70.7	70.7
30°	903.4	878.9	604.1	160.5	73.5	68.0	70.7	65.3	76.2	70.7	70.7
32.5°	952.4	927.9	546.9	125.2	70.7	65.3	59.9	62.6	59.9	62.6	62.6
35°	1014.9	990.4	484.3	95.2	65.3	57.1	54.4	54.4	51.7	49.0	49.0
37.5°	1104.7	1063.9	413.6	81.6	59.9	51.7	43.5	40.8	43.5	54.4	57.1
40°	1208.1	1140.1	326.5	73.5	51.7	43.5	32.7	38.1	46.3	46.3	46.3
42.5°	1357.8	1232.6	242.2	68.0	46.3	35.4	24.5	29.9	35.4	49.0	49.0
45°	1488.4	1287.0	171.4	62.6	38.1	27.2	19.0	29.9	38.1	43.5	43.5
47.5°	1640.8	1338.7	127.9	59.9	35.4	19.0	21.8	29.9	29.9	46.3	46.3
50°	1768.7	1349.6	103.4	54.4	27.2	13.6	27.2	27.2	32.7	40.8	40.8
52.5°	1888.4	1360.5	92.5	49.0	21.8	10.9	27.2	27.2	38.1	49.0	49.0
55°	1967.3	1327.8	84.4	43.5	19.0	8.2	29.9	29.9	29.9	38.1	38.1
57.5°	2029.9	1287.0	78.9	38.1	16.3	16.3	32.7	38.1	32.7	38.1	38.1
60°	2070.7	1213.6	68.0	35.4	13.6	16.3	40.8	49.0	38.1	57.1	57.1
62.5°	2144.1	1156.4	59.9	32.7	10.9	16.3	40.8	62.6	49.0	76.2	78.9
65°	2204.0	1104.7	51.7	24.5	10.9	21.8	46.3	78.9	59.9	95.2	98.0
67.5°	2228.5	1042.1	43.5	21.8	10.9	24.5	59.9	98.0	76.2	111.6	111.6
70°	2209.5	976.8	35.4	21.8	10.9	38.1	78.9	114.3	92.5	136.1	138.8
72.5°	2043.5	832.6	27.2	21.8	8.2	40.8	98.0	136.1	111.6	185.0	190.5
75°	1564.6	527.9	27.2	21.8	10.9	46.3	114.3	157.8	133.3	206.8	215.0
77.5°	955.1	244.9	27.2	24.5	13.6	57.1	125.2	182.3	146.9	223.1	228.6
80°	424.5	152.4	27.2	27.2	27.2	70.7	146.9	201.4	166.0	236.7	244.9
82.5°	212.2	114.3	24.5	27.2	40.8	84.4	174.1	215.0	171.4	244.9	247.6
85°	182.3	103.4	24.5	29.9	43.5	98.0	187.7	217.7	179.6	242.2	244.9
87.5°	174.1	98.0	29.9	29.9	49.0	103.4	193.2	228.6	185.0	234.0	231.3
90°	182.3	95.2	32.7	35.4	62.6	106.1	195.9	223.1	185.0	220.4	220.4
92.5°	187.7	92.5	35.4	40.8	76.2	119.7	193.2	217.7	185.0	204.1	204.1
95°	193.2	92.5	40.8	46.3	76.2	130.6	185.0	198.6	171.4	182.3	179.6
97.5°	146.9	68.0	49.0	51.7	70.7	100.7	149.7	155.1	111.6	108.8	106.1
100°	51.7	29.9	49.0	57.1	43.5	43.5	89.8	108.8	65.3	40.8	46.3
102.5°	16.3	13.6	43.5	57.1	35.4	16.3	46.3	68.0	49.0	5.4	5.4
105°	16.3	16.3	24.5	46.3	24.5	5.4	16.3	38.1	29.9	5.4	5.4
107.5°	16.3	13.6	10.9	27.2	8.2	5.4	8.2	8.2	8.2	2.7	5.4



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CANDELA DISTRIBUTION (continued):

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



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110°	19.0	19.0	8.2	5.4	2.7	5.4	2.7	5.4	5.4	8.2	19.0
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110°	19.0	13.6	5.4	8.2	5.4	5.4	5.4	5.4	5.4	10.9	10.9
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(END OF REPORT)