

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: P560891

Luminaire Tested: **SDL-PA1-70-730-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560891
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-730-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5261 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G1

Input Watts (W): 72.2
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



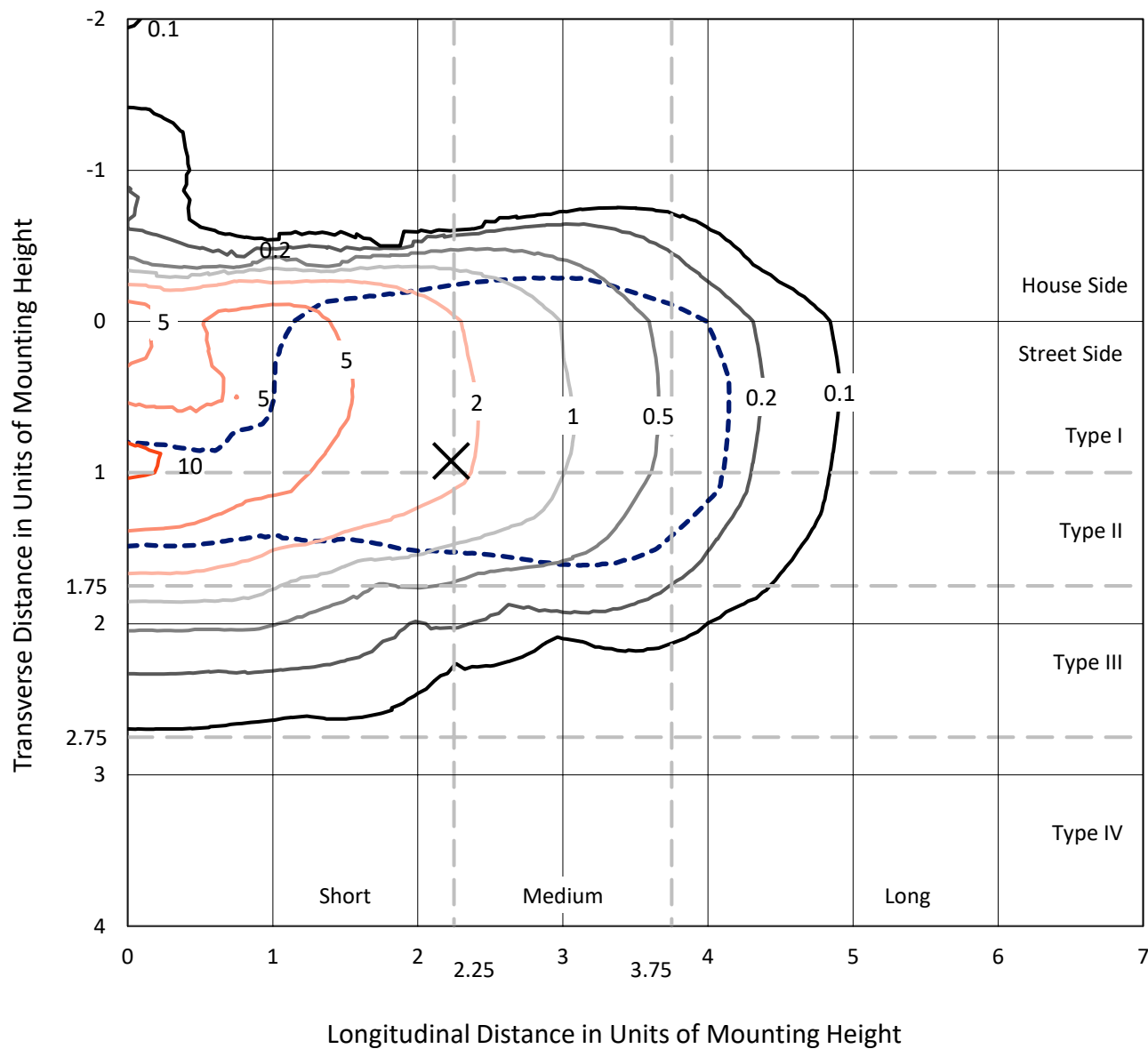
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



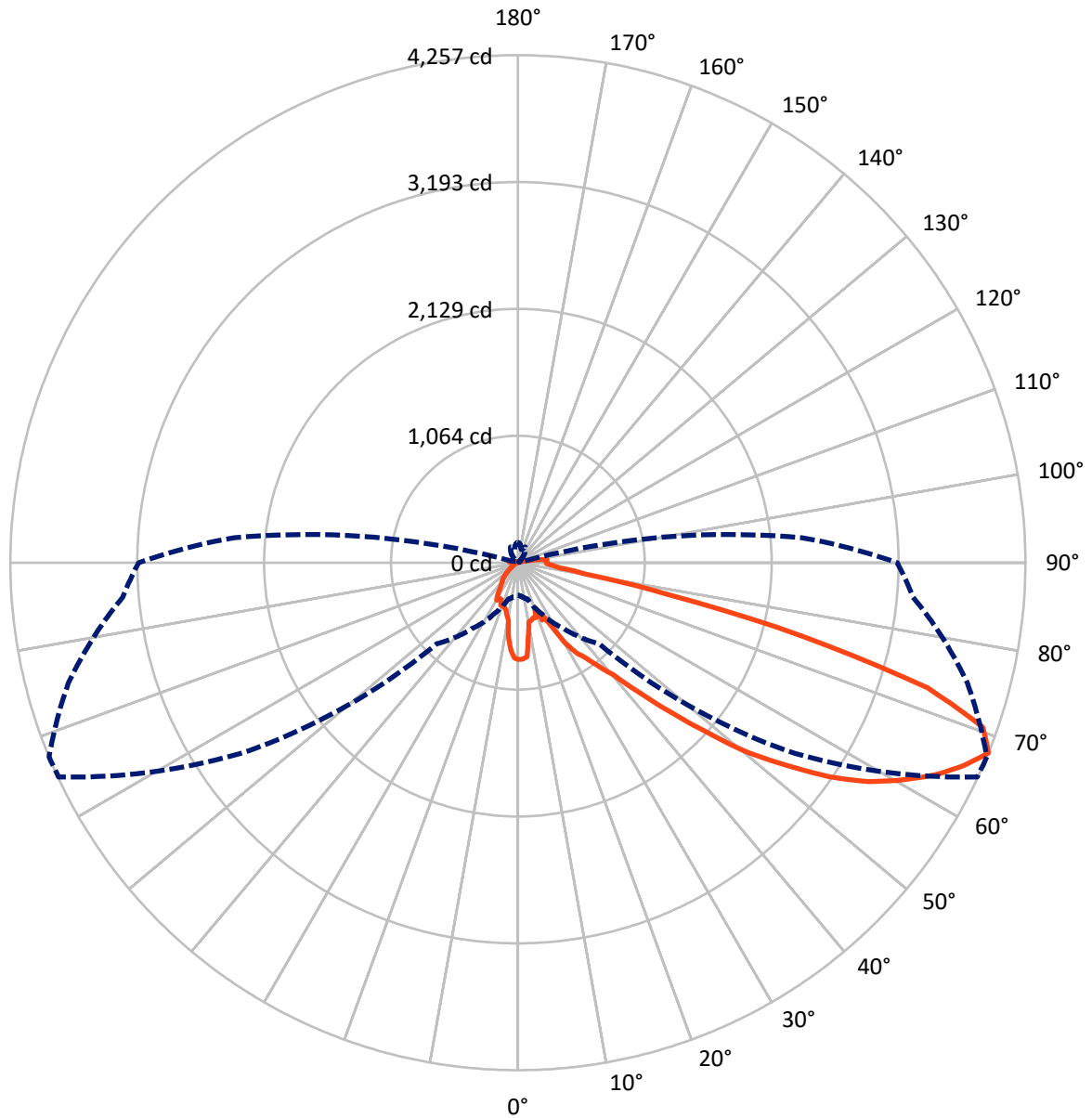
Based on 10 foot mounting height. Maximum calculated value = 10.6 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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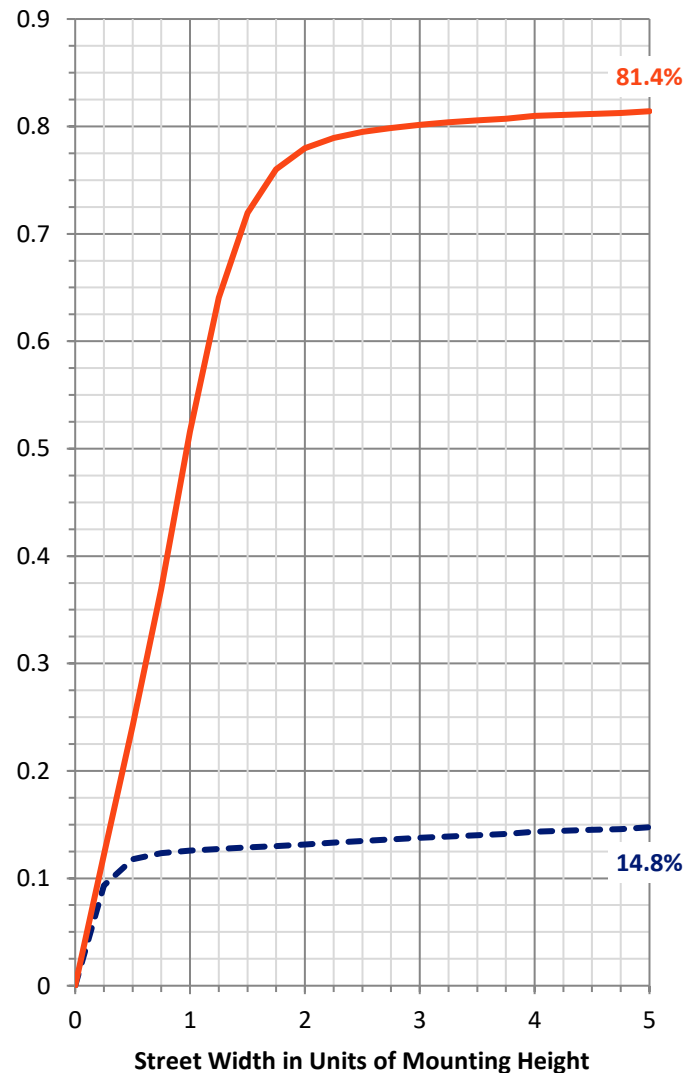
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	823.3	61.3	884.6
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	4311.2	65.2	4376.4
	% Fixture	81.9	1.2	83.2
Total	Lumens	5134.5	126.5	5261.0
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	1.2
10°-20°	118.9	2.3
20°-30°	179.4	3.4
30°-40°	413.2	7.9
40°-50°	921.1	17.5
50°-60°	1370.6	26.1
60°-70°	1222.4	23.2
70°-80°	686.2	13.0
80°-90°	160.2	3.0
90°-100°	88.0	1.7
100°-110°	20.2	0.4
110°-120°	7.9	0.2
120°-130°	5.3	0.1
130°-140°	2.7	0.1
140°-150°	1.3	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5134.5	97.6
0°-180°	5261.0	100.0

Coefficient of Utilization



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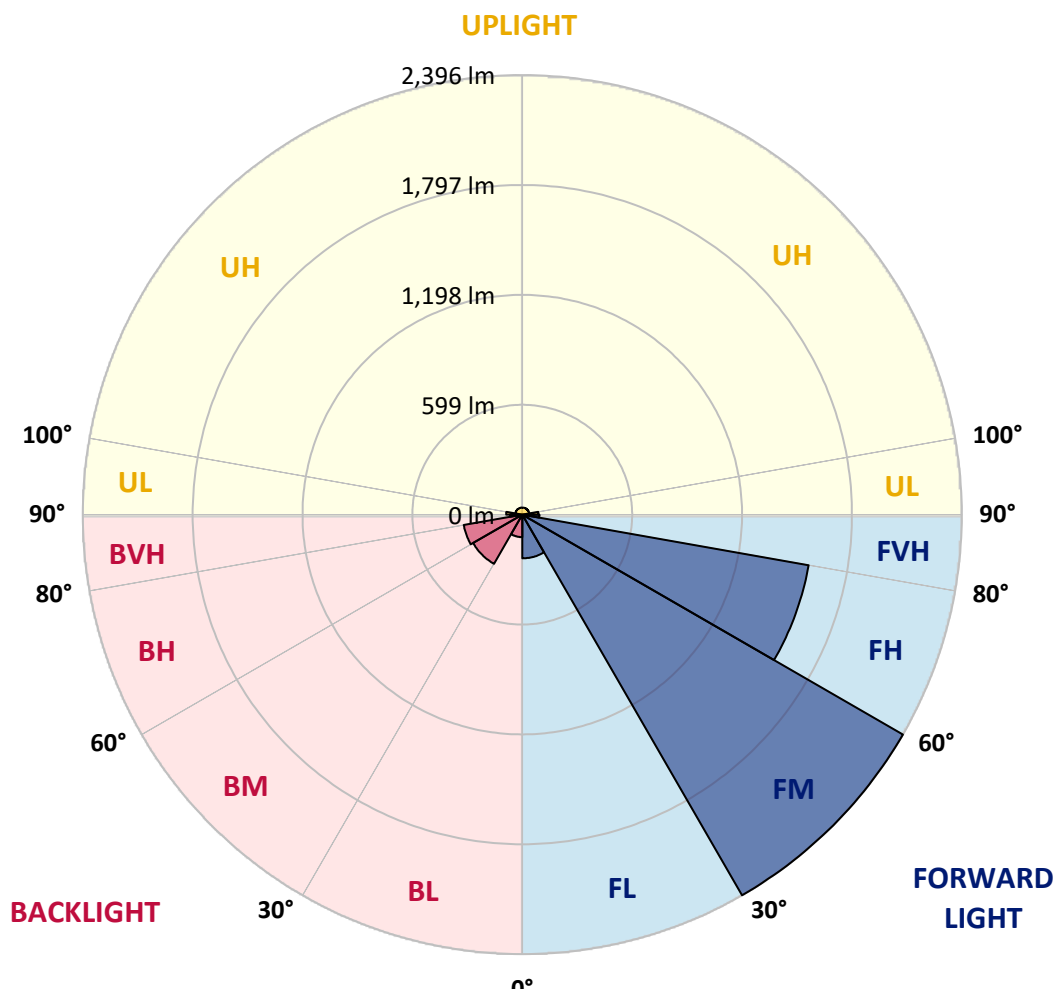
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	238.0	4.5			
FM	(30°-60°)	2395.6	45.5			
FH	(60°-80°)	1584.7	30.1			G1/1800
FVH	(80°-90°)	93.0	1.8			G1/100
BL	(0°-30°)	122.7	2.3	B1/500		
BM	(30°-60°)	309.4	5.9	B1/1000		
BH	(60°-80°)	323.9	6.2	B1/500		G1/500
BVH	(80°-90°)	67.2	1.3			G1/100
UL	(90°-100°)	88.0	1.7		U3/500	
UH	(100°-180°)	38.6	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6
2.5°	688.0	727.3	769.4	797.5	803.1	811.6	811.6	808.8	808.8	806.0	806.0
5°	668.4	665.5	668.4	674.0	671.2	671.2	671.2	783.5	791.9	797.5	797.5
7.5°	575.7	589.7	634.7	651.5	657.1	662.7	662.7	654.3	623.4	690.8	699.2
10°	626.2	623.4	623.4	629.0	586.9	570.1	513.9	505.5	505.5	527.9	601.0
12.5°	525.1	556.0	598.1	615.0	567.3	502.7	488.6	499.9	497.1	435.3	508.3
15°	595.3	595.3	589.7	578.5	446.5	499.9	421.2	421.2	480.2	516.7	581.3
17.5°	483.0	497.1	567.3	558.8	491.4	376.3	491.4	452.1	485.8	454.9	488.6
20°	592.5	589.7	592.5	452.1	499.9	516.7	491.4	440.9	401.6	527.9	584.1
22.5°	488.6	483.0	511.1	558.8	471.8	536.4	449.3	536.4	522.3	469.0	421.2
25°	631.8	629.0	634.7	494.2	553.2	480.2	553.2	480.2	502.7	601.0	615.0
27.5°	570.1	567.3	558.8	603.8	525.1	606.6	522.3	586.9	603.8	651.5	755.4
30°	803.1	791.9	763.8	606.6	617.8	584.1	617.8	721.7	777.9	873.4	904.2
32.5°	1171.0	1112.0	926.7	803.1	654.3	747.0	699.2	848.1	901.4	949.2	974.4
35°	1513.6	1488.3	1353.6	1061.5	797.5	825.6	789.1	949.2	980.1	1081.2	1075.5
37.5°	1982.6	1940.5	1732.7	1370.4	1002.5	991.3	898.6	1081.2	1103.6	1249.7	1221.6
40°	2333.6	2299.9	2137.0	1701.8	1274.9	1176.6	1050.3	1263.7	1238.4	1435.0	1395.7
42.5°	2670.6	2650.9	2524.6	2080.9	1575.4	1463.1	1207.5	1488.3	1482.7	1654.0	1620.3
45°	2943.0	2920.5	2839.1	2420.7	1920.8	1923.6	1454.6	1735.5	1774.8	1937.7	1850.6
47.5°	3103.1	3055.3	2996.4	2690.3	2269.0	2364.5	1819.7	2016.3	2111.8	2252.2	2120.2
50°	3066.6	3018.8	3024.4	2861.6	2589.2	2743.6	2210.1	2314.0	2504.9	2614.4	2353.3
52.5°	2774.5	2746.4	2839.1	2830.7	2752.0	3091.8	2665.0	2636.9	2825.1	2898.1	2592.0
55°	2358.9	2319.6	2493.7	2617.2	2752.0	3308.1	3086.2	2996.4	3167.7	3156.4	2754.8
57.5°	1791.6	1805.7	2002.2	2196.0	2527.4	3350.2	3397.9	3386.7	3465.3	3369.8	2884.0
60°	1224.4	1232.8	1510.8	1729.9	2072.5	3128.3	3499.0	3709.6	3701.2	3549.6	3030.1
62.5°	769.4	766.6	977.3	1322.7	1491.2	2547.0	3459.7	3953.9	3923.1	3684.4	3142.4
65°	443.7	454.9	530.8	876.2	1036.2	1738.3	3232.2	4192.6	4105.6	3805.1	3263.1
67.5°	272.4	280.8	317.3	474.6	676.8	960.4	2749.2	4251.6	4257.2	3903.4	3327.7
70°	230.3	233.1	249.9	292.1	471.8	539.2	1850.6	3976.4	4139.3	3925.9	3308.1
72.5°	193.8	196.6	221.8	255.5	351.0	381.9	831.2	3285.6	3594.5	3754.6	3164.8
75°	143.2	146.0	182.5	233.1	255.5	306.1	454.9	2176.4	2468.4	2968.3	2698.7
77.5°	92.7	95.5	129.2	188.1	216.2	241.5	367.9	1016.6	1286.2	1715.8	1704.6
80°	61.8	61.8	75.8	132.0	171.3	196.6	320.1	502.7	572.9	707.7	662.7
82.5°	39.3	39.3	47.7	81.4	109.5	196.6	300.5	359.4	348.2	353.8	314.5
85°	16.8	16.8	25.3	44.9	59.0	129.2	269.6	308.9	294.9	294.9	280.8
87.5°	5.6	5.6	8.4	14.0	19.7	39.3	207.8	247.1	238.7	247.1	266.8
90°	5.6	5.6	2.8	5.6	5.6	28.1	168.5	244.3	238.7	249.9	275.2
92.5°	8.4	8.4	2.8	2.8	5.6	22.5	132.0	252.7	244.3	261.2	286.4
95°	14.0	14.0	5.6	2.8	8.4	19.7	81.4	224.7	244.3	258.4	292.1
97.5°	16.8	16.8	5.6	5.6	8.4	16.8	42.1	182.5	188.1	196.6	230.3
100°	22.5	22.5	5.6	5.6	5.6	14.0	22.5	95.5	98.3	70.2	112.3
102.5°	22.5	22.5	5.6	5.6	5.6	8.4	11.2	42.1	39.3	14.0	14.0
105°	25.3	25.3	8.4	5.6	5.6	5.6	5.6	14.0	14.0	8.4	16.8
107.5°	25.3	25.3	8.4	8.4	5.6	5.6	2.8	5.6	8.4	8.4	16.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	14.0	14.0	5.6	8.4	5.6	2.8	2.8	2.8	5.6	11.2	28.1
115°	5.6	5.6	2.8	5.6	2.8	2.8	2.8	5.6	5.6	8.4	22.5
117.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.6	2.8	8.4	19.7
120°	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	11.2	19.7
122.5°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	11.2	19.7
125°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	8.4	16.8
127.5°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.6	16.8
130°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.6	11.2
132.5°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.6	8.4
135°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	5.6
137.5°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8
140°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	2.8	2.8	5.6	5.6	2.8	0.0	5.6	2.8	2.8	2.8	2.8
152.5°	5.6	5.6	5.6	5.6	2.8	0.0	2.8	5.6	2.8	2.8	2.8
155°	5.6	5.6	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.6	8.4
157.5°	0.0	0.0	0.0	0.0	2.8	0.0	2.8	2.8	0.0	0.0	2.8
160°	0.0	0.0	0.0	0.0	2.8	0.0	2.8	2.8	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°	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6	811.6
2.5°	803.1	803.1	800.3	800.3	791.9	789.1	752.6	713.3	682.4	685.2	685.2
5°	794.7	789.1	780.7	724.5	654.3	643.1	643.1	637.5	634.7	637.5	637.5
7.5°	693.6	688.0	654.3	626.2	629.0	623.4	612.2	609.4	561.6	513.9	511.1
10°	598.1	589.7	499.9	480.2	477.4	497.1	544.8	527.9	511.1	491.4	499.9
12.5°	499.9	497.1	415.6	460.5	401.6	412.8	424.0	407.2	348.2	280.8	289.2
15°	578.5	570.1	471.8	381.9	342.6	345.4	227.5	219.0	176.9	160.1	151.6
17.5°	429.7	471.8	412.8	381.9	345.4	179.7	146.0	112.3	101.1	81.4	84.2
20°	575.7	564.4	471.8	356.6	266.8	151.6	81.4	64.6	78.6	81.4	81.4
22.5°	407.2	396.0	398.8	379.1	188.1	87.1	61.8	64.6	59.0	56.2	56.2
25°	598.1	578.5	483.0	289.2	140.4	56.2	59.0	44.9	53.4	53.4	53.4
27.5°	727.3	659.9	508.3	280.8	78.6	56.2	42.1	44.9	36.5	36.5	36.5
30°	870.5	831.2	665.5	261.2	61.8	44.9	39.3	30.9	33.7	33.7	33.7
32.5°	935.1	881.8	665.5	207.8	53.4	42.1	30.9	28.1	28.1	30.9	30.9
35°	1027.8	971.6	662.7	137.6	44.9	33.7	25.3	25.3	25.3	25.3	25.3
37.5°	1168.2	1086.8	674.0	87.1	36.5	28.1	19.7	22.5	22.5	47.7	47.7
40°	1325.5	1232.8	643.1	61.8	30.9	22.5	16.8	28.1	39.3	42.1	42.1
42.5°	1524.9	1423.8	598.1	53.4	28.1	16.8	14.0	22.5	33.7	53.4	53.4
45°	1763.6	1611.9	536.4	47.7	22.5	14.0	14.0	28.1	42.1	50.5	50.5
47.5°	1977.0	1794.4	429.7	44.9	19.7	11.2	19.7	30.9	36.5	59.0	59.0
50°	2226.9	1985.4	328.6	39.3	16.8	11.2	30.9	33.7	42.1	53.4	53.4
52.5°	2412.2	2145.5	249.9	36.5	16.8	8.4	30.9	30.9	47.7	61.8	61.8
55°	2561.1	2232.5	179.7	30.9	14.0	8.4	36.5	39.3	42.1	47.7	47.7
57.5°	2676.2	2294.3	140.4	28.1	14.0	19.7	44.9	50.5	44.9	47.7	47.7
60°	2808.2	2325.2	103.9	25.3	11.2	19.7	53.4	67.4	50.5	73.0	70.2
62.5°	2929.0	2347.7	84.2	25.3	11.2	22.5	59.0	84.2	67.4	98.3	101.1
65°	3080.6	2375.7	70.2	19.7	11.2	30.9	70.2	112.3	89.9	129.2	134.8
67.5°	3181.7	2392.6	59.0	19.7	11.2	36.5	98.3	146.0	112.3	162.9	168.5
70°	3192.9	2330.8	47.7	19.7	11.2	56.2	134.8	176.9	140.4	207.8	210.6
72.5°	3046.9	2153.9	39.3	22.5	11.2	61.8	157.3	205.0	165.7	275.2	278.0
75°	2462.8	1510.8	36.5	22.5	11.2	78.6	171.3	224.7	185.3	286.4	292.1
77.5°	1513.6	699.2	33.7	25.3	16.8	87.1	174.1	238.7	193.8	286.4	294.9
80°	586.9	345.4	30.9	28.1	39.3	98.3	188.1	241.5	193.8	266.8	278.0
82.5°	272.4	202.2	30.9	30.9	50.5	101.1	185.3	224.7	179.7	238.7	235.9
85°	244.3	199.4	33.7	33.7	53.4	87.1	146.0	191.0	154.5	188.1	188.1
87.5°	238.7	196.6	36.5	42.1	53.4	50.5	112.3	162.9	132.0	140.4	140.4
90°	244.3	205.0	39.3	47.7	44.9	28.1	89.9	134.8	101.1	89.9	87.1
92.5°	261.2	207.8	47.7	56.2	42.1	22.5	75.8	109.5	73.0	59.0	56.2
95°	275.2	213.4	59.0	67.4	44.9	19.7	67.4	87.1	53.4	36.5	33.7
97.5°	230.3	165.7	67.4	73.0	44.9	19.7	59.0	70.2	42.1	19.7	19.7
100°	98.3	73.0	70.2	78.6	42.1	16.8	50.5	56.2	28.1	8.4	11.2
102.5°	19.7	22.5	61.8	73.0	33.7	11.2	33.7	33.7	19.7	2.8	5.6
105°	19.7	16.8	39.3	61.8	19.7	5.6	14.0	19.7	8.4	2.8	2.8
107.5°	19.7	19.7	14.0	30.9	8.4	5.6	5.6	8.4	5.6	2.8	2.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.1	25.3	5.6	8.4	8.4	5.6	2.8	2.8	5.6	19.7	22.5
115°	25.3	22.5	8.4	8.4	5.6	5.6	2.8	2.8	5.6	22.5	25.3
117.5°	19.7	19.7	8.4	5.6	5.6	5.6	2.8	2.8	5.6	22.5	22.5
120°	22.5	19.7	8.4	5.6	2.8	2.8	2.8	2.8	5.6	16.8	16.8
122.5°	22.5	19.7	8.4	5.6	2.8	2.8	2.8	2.8	5.6	16.8	19.7
125°	19.7	16.8	8.4	5.6	2.8	2.8	2.8	2.8	8.4	16.8	16.8
127.5°	16.8	14.0	5.6	2.8	2.8	2.8	2.8	2.8	8.4	14.0	14.0
130°	11.2	11.2	5.6	2.8	2.8	2.8	2.8	2.8	8.4	11.2	11.2
132.5°	8.4	8.4	5.6	2.8	2.8	2.8	2.8	2.8	5.6	11.2	11.2
135°	8.4	5.6	5.6	2.8	2.8	2.8	2.8	2.8	5.6	8.4	8.4
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.6	5.6
140°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8
145°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8
150°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
152.5°	2.8	2.8	5.6	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
155°	8.4	8.4	8.4	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
157.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	2.8	2.8	2.8	2.8	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°	19.7	19.7	8.4	8.4	5.6	2.8	2.8	2.8	5.6	8.4	19.7
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110°	22.5	19.7	5.6	8.4	5.6	5.6	5.6	5.6	2.8	14.0	16.8
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(END OF REPORT)