

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: P560899

Luminaire Tested: **SDL-PA1-70-730-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
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-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5249.8 lumens
Efficiency: N/A
Efficacy: 72.7 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): 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

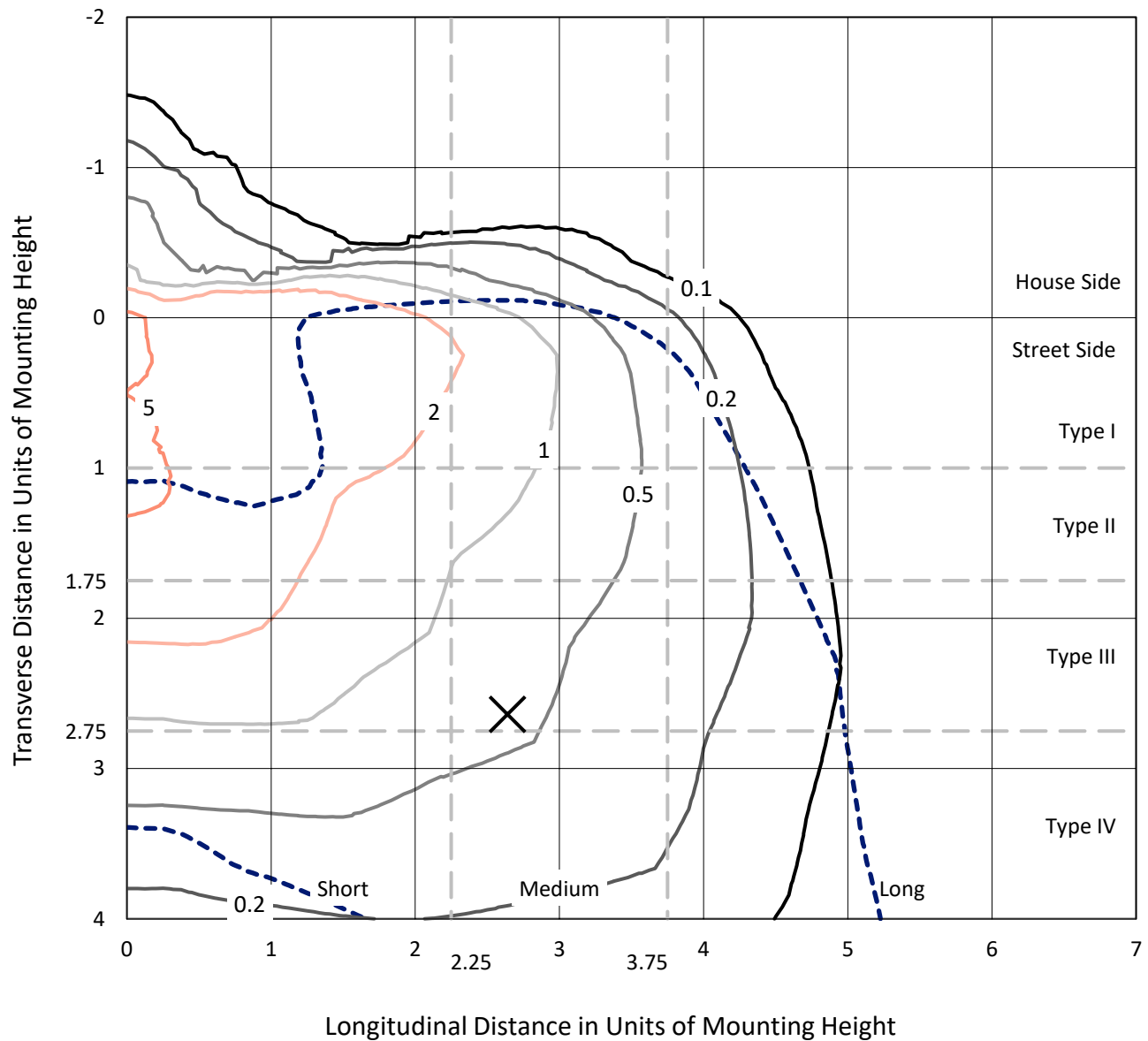


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

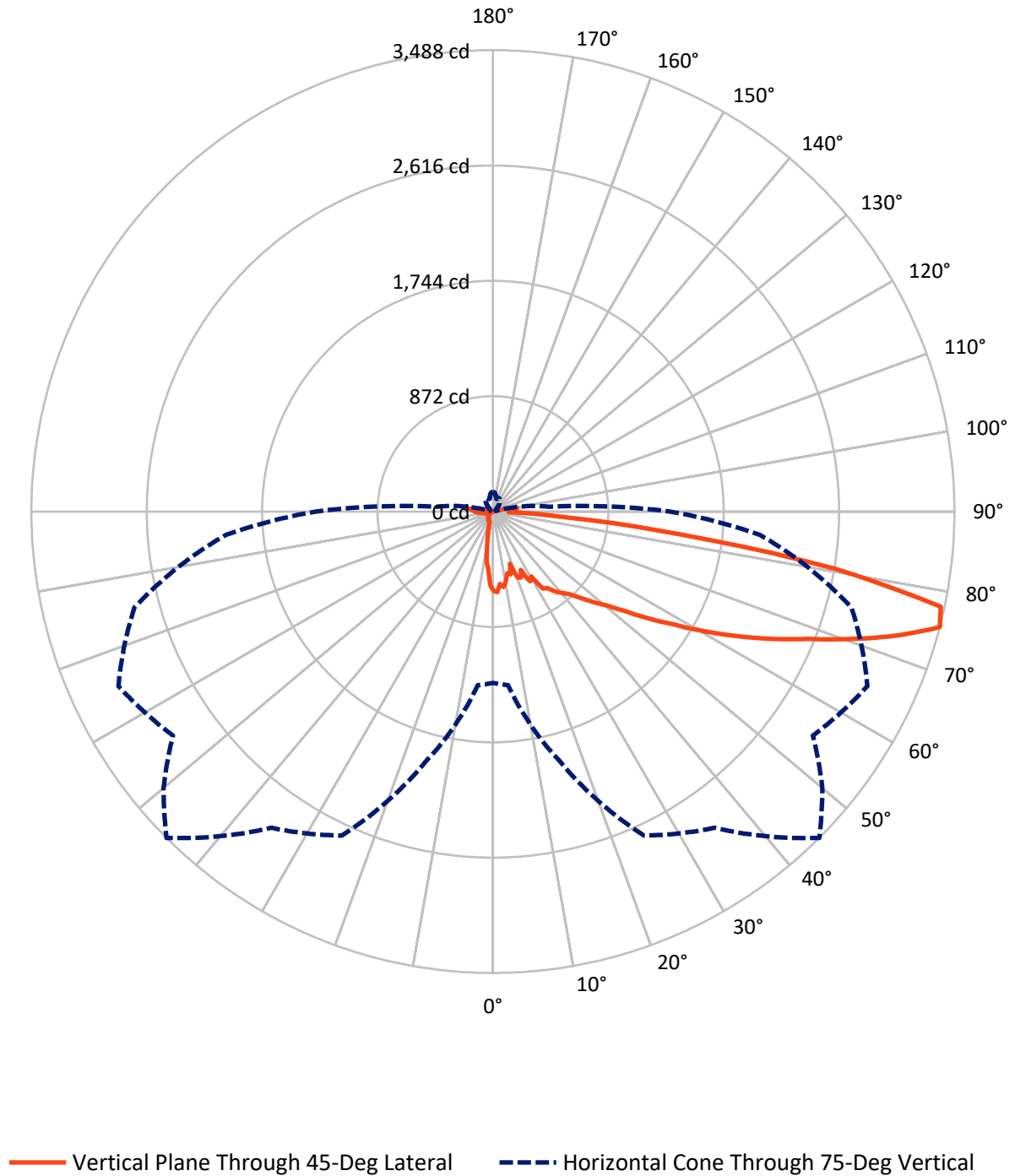


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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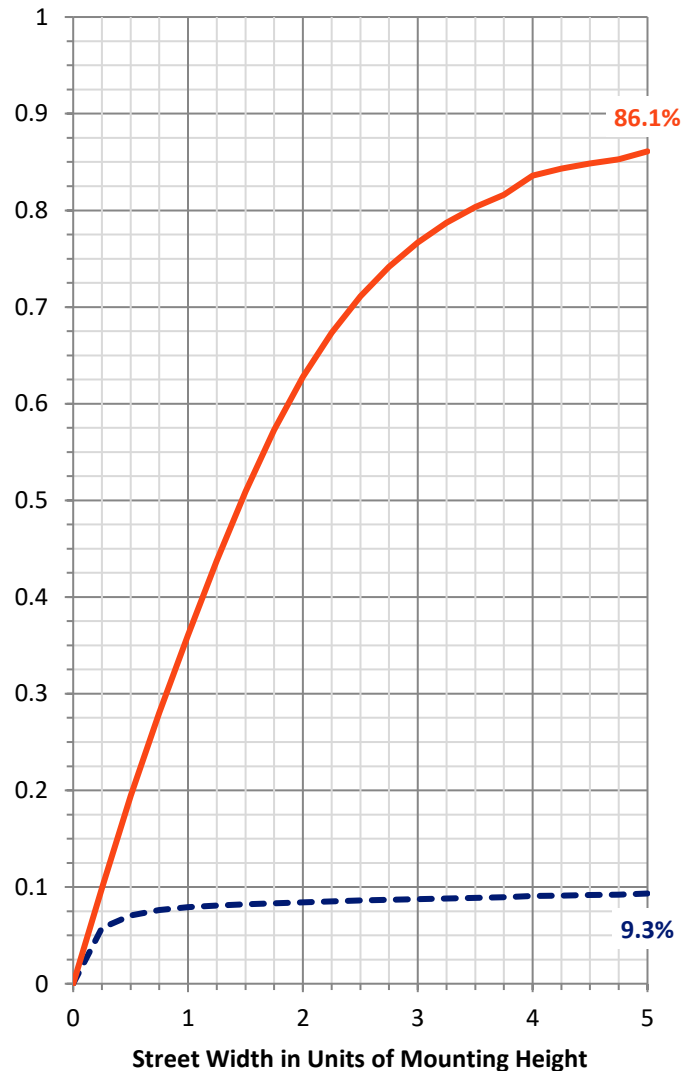
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	538.7	94.2	632.9
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	4544.1	72.8	4616.9
	% Fixture	86.6	1.4	87.9
Total	Lumens	5082.8	167.1	5249.8
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	0.9
10°-20°	100.5	1.9
20°-30°	168.5	3.2
30°-40°	312.5	6.0
40°-50°	526.6	10.0
50°-60°	945.2	18.0
60°-70°	1419.2	27.0
70°-80°	1298.4	24.7
80°-90°	265.5	5.1
90°-100°	127.0	2.4
100°-110°	27.1	0.5
110°-120°	5.1	0.1
120°-130°	4.1	0.1
130°-140°	1.8	0.0
140°-150°	1.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5082.8	96.8
0°-180°	5249.8	100.0



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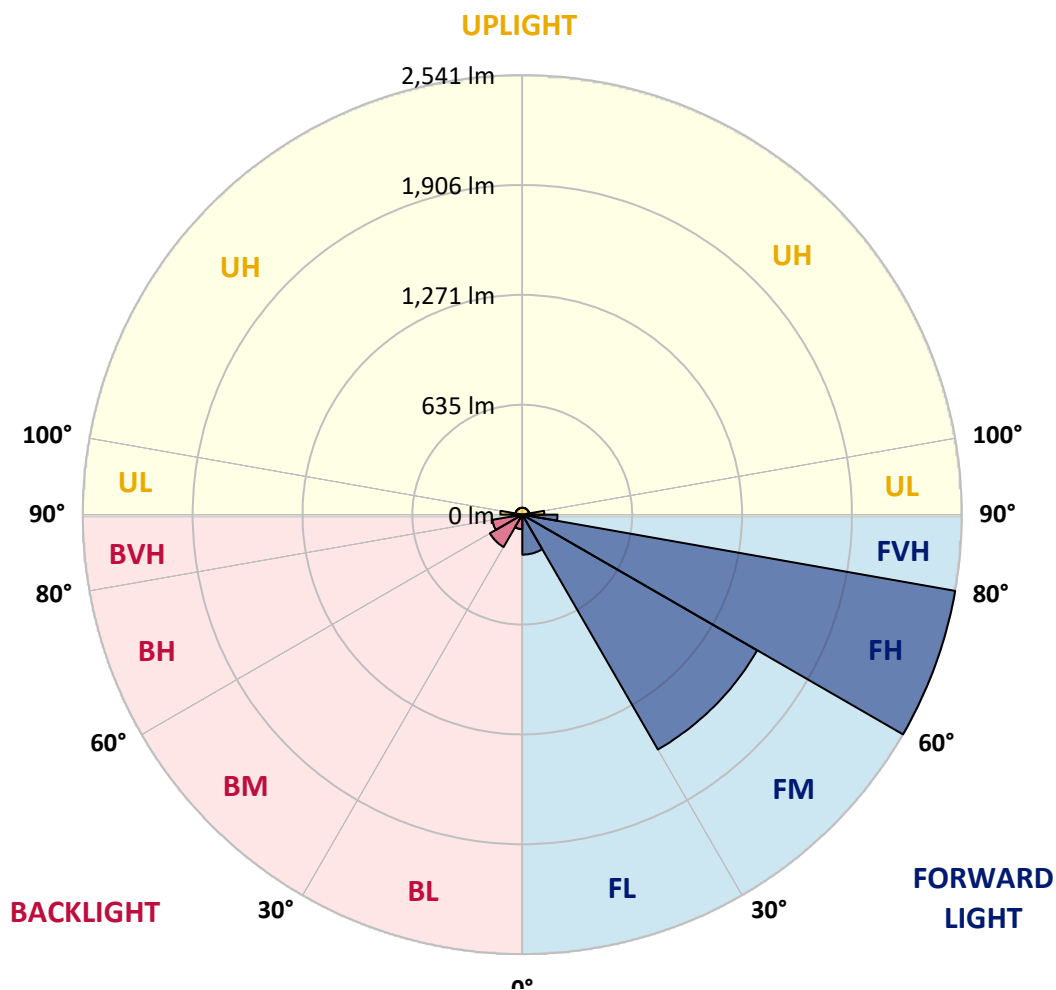
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	231.3	4.4			
FM	(30°-60°)	1568.1	29.9			
FH	(60°-80°)	2541.1	48.4			G2/5000
FVH	(80°-90°)	203.6	3.9			G2/225
BL	(0°-30°)	84.1	1.6	B0/110		
BM	(30°-60°)	216.1	4.1	B0/220		
BH	(60°-80°)	176.5	3.4	B1/500		G1/500
BVH	(80°-90°)	61.9	1.2			G1/100
UL	(90°-100°)	127.0	2.4		U3/500	
UH	(100°-180°)	40.0	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°	50°	55°	65°	75°	85°
0°	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2
2.5°	581.3	609.4	601.0	615.0	612.2	609.4	609.4	612.2	609.4	603.8	598.2
5°	592.6	584.1	578.5	575.7	564.5	550.4	544.8	539.2	598.2	598.2	586.9
7.5°	609.4	609.4	598.2	589.8	589.8	575.7	561.7	550.4	522.4	513.9	513.9
10°	648.7	643.1	634.7	617.8	533.6	536.4	505.5	443.7	415.6	426.9	443.7
12.5°	657.2	654.3	643.1	640.3	561.7	477.4	396.0	443.7	424.1	353.9	393.2
15°	704.9	699.3	676.8	637.5	480.2	494.3	460.6	396.0	379.1	432.5	463.4
17.5°	601.0	601.0	674.0	617.8	522.4	415.6	412.8	460.6	415.6	387.6	384.7
20°	738.6	738.6	707.7	505.5	536.4	530.8	426.9	483.0	407.2	460.6	491.5
22.5°	615.0	612.2	634.7	626.3	513.9	542.0	438.1	440.9	485.8	415.6	356.7
25°	749.8	749.8	733.0	544.8	584.1	488.7	499.9	528.0	432.5	525.2	530.8
27.5°	645.9	643.1	612.2	623.5	544.8	598.2	455.0	497.1	530.8	567.3	623.5
30°	789.1	794.8	780.7	592.6	606.6	570.1	542.0	575.7	643.1	755.4	792.0
32.5°	974.5	980.1	831.3	713.3	609.4	693.7	581.3	634.7	738.6	792.0	831.3
35°	1084.0	1041.9	977.3	797.6	657.2	710.5	668.4	676.8	769.5	853.7	881.8
37.5°	1176.7	1120.5	1044.7	822.8	693.7	766.7	696.5	707.7	834.1	909.9	946.4
40°	1207.6	1173.9	1131.8	879.0	738.6	808.8	730.2	755.4	895.9	982.9	1039.1
42.5°	1283.4	1286.2	1260.9	957.6	786.3	853.7	786.3	803.2	977.3	1084.0	1165.5
45°	1485.6	1491.2	1463.2	1092.4	845.3	932.4	876.2	884.6	1070.0	1238.5	1342.4
47.5°	1744.0	1724.3	1696.2	1272.2	935.2	1022.2	980.1	971.7	1179.5	1440.7	1533.4
50°	2005.2	1968.7	1909.7	1519.3	1089.6	1114.9	1086.8	1081.2	1311.5	1648.5	1749.6
52.5°	2277.6	2249.5	2125.9	1752.4	1319.9	1249.7	1218.8	1249.7	1482.8	1878.8	1971.5
55°	2420.8	2392.7	2314.1	2002.4	1541.8	1423.8	1370.5	1426.6	1746.8	2095.0	2215.8
57.5°	2538.7	2530.3	2493.8	2263.5	1811.4	1609.2	1555.8	1609.2	1957.4	2297.2	2440.5
60°	2707.3	2673.5	2707.3	2516.3	2072.6	1836.7	1763.6	1819.8	2215.8	2474.2	2687.6
62.5°	2828.0	2819.6	2887.0	2799.9	2291.6	2075.4	1968.7	2022.0	2443.3	2662.3	2931.9
65°	2698.8	2741.0	3010.6	2985.3	2538.7	2319.7	2207.4	2190.5	2628.6	2864.5	3193.1
67.5°	2468.5	2496.6	2889.8	3080.8	2755.0	2566.8	2432.0	2353.4	2799.9	3047.1	3400.9
70°	2249.5	2283.2	2642.7	3086.4	2858.9	2884.2	2696.0	2550.0	2971.2	3252.1	3445.8
72.5°	2075.4	2106.3	2429.2	3019.0	2895.4	3201.5	2985.3	2757.8	3136.9	3257.7	3010.6
75°	1294.6	1317.1	1954.6	2701.6	2917.9	3488.0	3249.3	2951.6	3122.9	2805.5	2024.8
77.5°	398.8	407.2	836.9	1783.3	2535.9	3459.9	3204.3	2774.7	2617.4	1780.5	923.9
80°	137.6	140.4	216.2	634.7	1516.5	2625.8	2443.3	2041.7	1564.3	657.2	348.2
82.5°	64.6	70.2	101.1	213.4	617.8	1435.1	1443.5	1213.2	657.2	292.1	235.9
85°	22.5	22.5	42.1	92.7	238.7	553.2	525.2	488.7	345.4	264.0	219.1
87.5°	8.4	8.4	14.0	25.3	59.0	118.0	148.8	182.5	182.5	185.4	221.9
90°	8.4	8.4	5.6	5.6	42.1	123.6	148.8	165.7	151.7	168.5	241.5
92.5°	8.4	8.4	5.6	5.6	44.9	143.2	165.7	179.7	160.1	179.7	266.8
95°	8.4	8.4	5.6	5.6	50.6	174.1	193.8	191.0	160.1	188.2	286.5
97.5°	11.2	11.2	5.6	2.8	44.9	185.4	207.8	202.2	137.6	143.2	224.7
100°	11.2	11.2	5.6	2.8	28.1	137.6	165.7	162.9	89.9	22.5	64.6
102.5°	11.2	11.2	5.6	2.8	5.6	64.6	78.6	81.4	53.4	8.4	11.2
105°	14.0	14.0	5.6	2.8	2.8	11.2	25.3	33.7	19.7	5.6	11.2
107.5°	14.0	14.0	5.6	2.8	2.8	5.6	5.6	8.4	8.4	5.6	14.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	11.2	11.2	2.8	5.6	2.8	2.8	2.8	2.8	2.8	5.6	14.0
115°	5.6	5.6	2.8	2.8	0.0	2.8	2.8	2.8	2.8	5.6	11.2
117.5°	2.8	2.8	0.0	2.8	0.0	2.8	2.8	2.8	5.6	5.6	14.0
120°	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	8.4	16.9
122.5°	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	8.4	16.9
125°	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	8.4	16.9
127.5°	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	8.4	14.0
130°	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	5.6	11.2
132.5°	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	5.6	8.4
135°	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	5.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
145°	0.0	0.0	0.0	0.0	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°	8.4	8.4	5.6	2.8	0.0	0.0	2.8	2.8	2.8	2.8	2.8
152.5°	5.6	5.6	8.4	2.8	0.0	0.0	2.8	2.8	5.6	2.8	2.8
155°	5.6	5.6	2.8	0.0	0.0	0.0	0.0	2.8	2.8	5.6	5.6
157.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2	598.2
2.5°	592.6	589.8	581.3	575.7	567.3	558.9	516.7	491.5	488.7	485.8	488.7
5°	581.3	572.9	558.9	494.3	463.4	435.3	426.9	421.3	407.2	407.2	410.0
7.5°	502.7	497.1	452.1	432.5	407.2	381.9	359.5	342.6	300.5	286.5	280.8
10°	440.9	429.7	351.0	311.7	286.5	258.4	258.4	235.9	224.7	216.2	213.4
12.5°	381.9	373.5	308.9	283.6	213.4	185.4	171.3	157.3	148.8	143.2	140.4
15°	446.5	432.5	331.4	227.5	157.3	132.0	103.9	101.1	126.4	132.0	134.8
17.5°	356.7	365.1	294.9	199.4	129.2	81.4	89.9	106.7	120.8	120.8	118.0
20°	474.6	455.0	320.2	160.1	92.7	81.4	87.1	78.6	112.3	120.8	120.8
22.5°	345.4	328.6	264.0	148.8	73.0	78.6	73.0	92.7	103.9	92.7	95.5
25°	513.9	488.7	306.1	103.9	75.8	67.4	84.3	73.0	101.1	109.5	112.3
27.5°	637.5	553.2	300.5	98.3	67.4	75.8	70.2	84.3	81.4	87.1	87.1
30°	761.1	713.3	339.8	89.9	67.4	64.6	73.0	73.0	92.7	101.1	101.1
32.5°	814.4	758.3	297.7	87.1	67.4	64.6	64.6	78.6	87.1	103.9	103.9
35°	870.6	794.8	249.9	81.4	64.6	61.8	61.8	78.6	92.7	103.9	106.7
37.5°	946.4	834.1	202.2	78.6	61.8	59.0	53.4	70.2	98.3	109.5	112.3
40°	1041.9	890.2	157.3	73.0	56.2	53.4	50.6	70.2	84.3	98.3	98.3
42.5°	1190.7	952.0	123.6	70.2	53.4	47.7	47.7	59.0	81.4	92.7	92.7
45°	1342.4	1025.0	103.9	67.4	50.6	44.9	44.9	59.0	61.8	78.6	78.6
47.5°	1510.9	1098.1	95.5	64.6	50.6	39.3	39.3	53.4	53.4	73.0	75.8
50°	1685.0	1159.8	89.9	61.8	44.9	36.5	44.9	36.5	44.9	70.2	75.8
52.5°	1836.7	1210.4	84.3	56.2	42.1	33.7	42.1	36.5	44.9	64.6	64.6
55°	1991.1	1238.5	81.4	53.4	39.3	28.1	42.1	39.3	42.1	59.0	59.0
57.5°	2128.7	1246.9	78.6	53.4	33.7	25.3	39.3	47.7	36.5	47.7	53.4
60°	2252.3	1238.5	70.2	47.7	25.3	25.3	42.1	56.2	50.6	56.2	56.2
62.5°	2367.4	1207.6	56.2	39.3	19.7	25.3	53.4	61.8	47.7	59.0	64.6
65°	2465.7	1165.5	42.1	30.9	14.0	28.1	56.2	70.2	56.2	67.4	73.0
67.5°	2510.7	1109.3	33.7	25.3	14.0	30.9	59.0	78.6	64.6	75.8	81.4
70°	2434.8	994.2	28.1	25.3	11.2	36.5	61.8	84.3	73.0	95.5	98.3
72.5°	2022.0	780.7	25.3	25.3	19.7	44.9	78.6	95.5	89.9	129.2	126.4
75°	1339.6	426.9	25.3	22.5	25.3	53.4	95.5	112.3	98.3	146.0	146.0
77.5°	617.8	188.2	22.5	25.3	28.1	59.0	109.5	134.8	112.3	165.7	162.9
80°	269.6	115.1	22.5	22.5	30.9	64.6	123.6	151.7	123.6	182.5	182.5
82.5°	202.2	103.9	19.7	22.5	42.1	73.0	143.2	168.5	137.6	196.6	193.8
85°	188.2	98.3	22.5	25.3	47.7	92.7	168.5	182.5	143.2	202.2	202.2
87.5°	191.0	95.5	22.5	25.3	64.6	118.0	191.0	196.6	157.3	213.4	213.4
90°	196.6	98.3	25.3	28.1	73.0	129.2	213.4	210.6	176.9	224.7	224.7
92.5°	210.6	98.3	28.1	30.9	78.6	143.2	233.1	216.2	191.0	233.1	227.5
95°	219.1	98.3	30.9	33.7	92.7	157.3	247.1	210.6	202.2	216.2	210.6
97.5°	162.9	73.0	36.5	39.3	95.5	176.9	227.5	179.7	132.0	129.2	132.0
100°	53.4	25.3	39.3	42.1	61.8	123.6	168.5	129.2	70.2	53.4	53.4
102.5°	14.0	14.0	36.5	39.3	33.7	53.4	98.3	84.3	47.7	2.8	5.6
105°	14.0	11.2	22.5	30.9	19.7	14.0	39.3	47.7	36.5	2.8	2.8
107.5°	14.0	11.2	11.2	16.9	5.6	5.6	11.2	11.2	11.2	2.8	2.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.9	11.2	5.6	5.6	5.6	2.8	2.8	2.8	2.8	8.4	11.2
115°	14.0	11.2	2.8	5.6	2.8	2.8	2.8	2.8	5.6	11.2	14.0
117.5°	14.0	11.2	2.8	2.8	2.8	2.8	2.8	2.8	5.6	14.0	16.9
120°	16.9	14.0	2.8	2.8	2.8	2.8	2.8	2.8	5.6	16.9	16.9
122.5°	16.9	14.0	2.8	2.8	2.8	2.8	0.0	2.8	8.4	16.9	16.9
125°	16.9	14.0	2.8	2.8	2.8	0.0	0.0	2.8	8.4	16.9	19.7
127.5°	14.0	11.2	2.8	2.8	2.8	0.0	0.0	2.8	5.6	14.0	16.9
130°	11.2	8.4	2.8	2.8	2.8	0.0	0.0	0.0	5.6	14.0	14.0
132.5°	8.4	5.6	2.8	2.8	2.8	0.0	0.0	0.0	5.6	11.2	11.2
135°	5.6	5.6	2.8	2.8	2.8	0.0	0.0	0.0	2.8	8.4	8.4
137.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8	2.8
140°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	5.6	5.6	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.8	2.8	2.8	2.8	0.0	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° | 14.0 14.0 5.6 5.6 2.8 2.8 2.8 2.8 5.6 5.6 14.0



110°	14.0	11.2	5.6	5.6	5.6	5.6	5.6	2.8	2.8	5.6	5.6
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(END OF REPORT)