

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: P560877

Luminaire Tested: **SDL-PA1-70-727-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560877
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-PA1-70-727-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 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: 4821 lumens
Efficiency: N/A
Efficacy: 66.8 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): 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

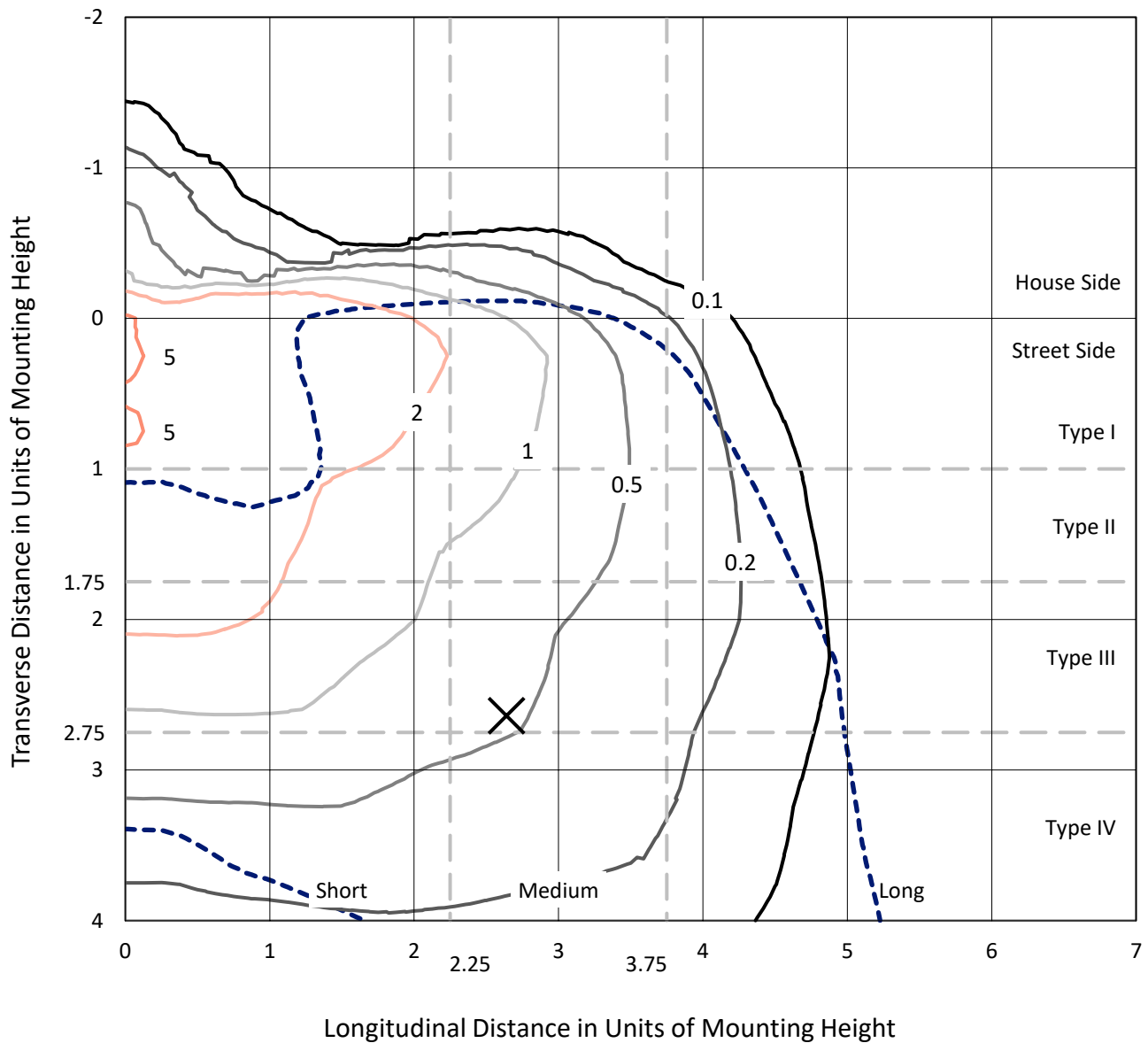


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

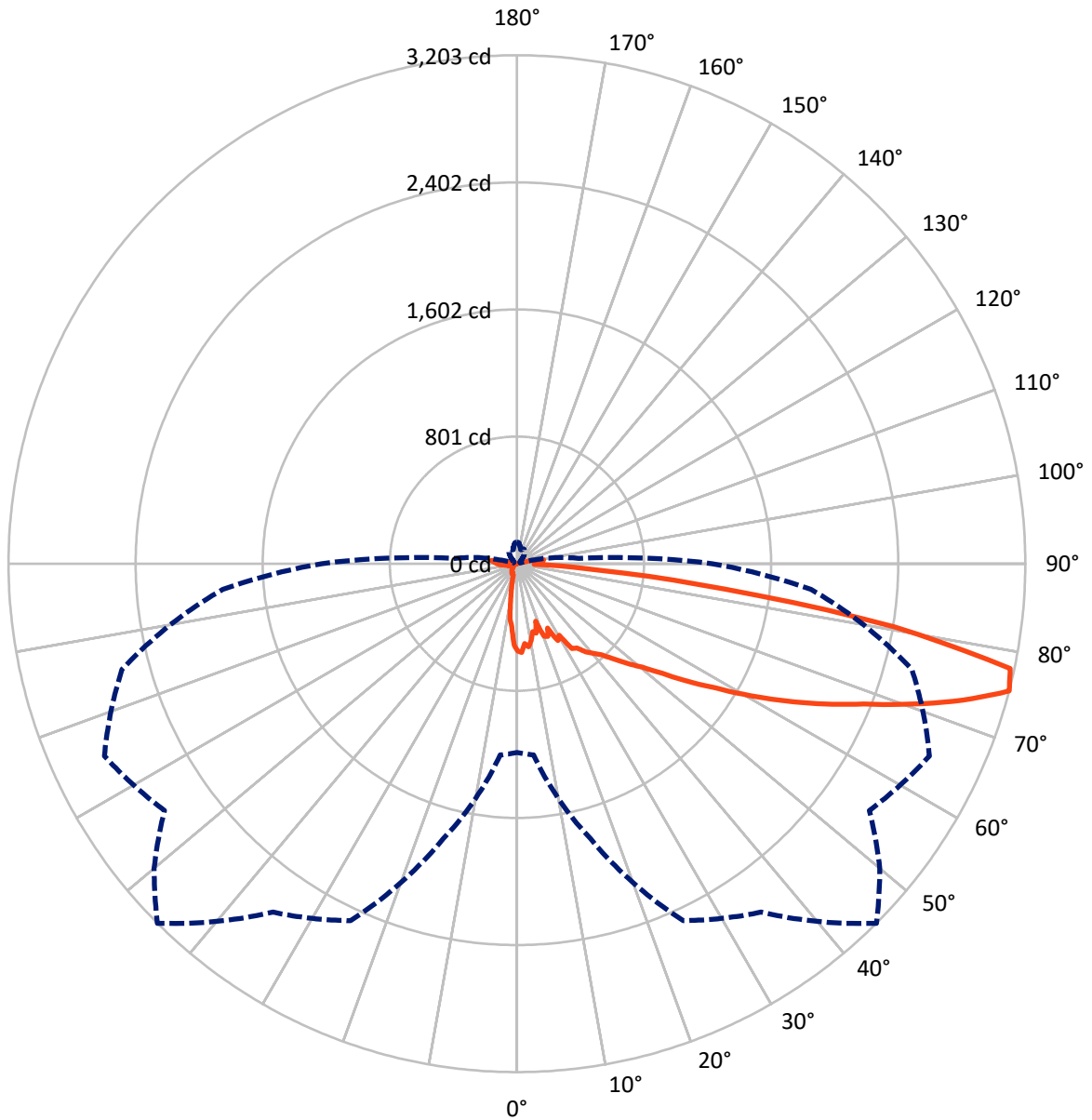


Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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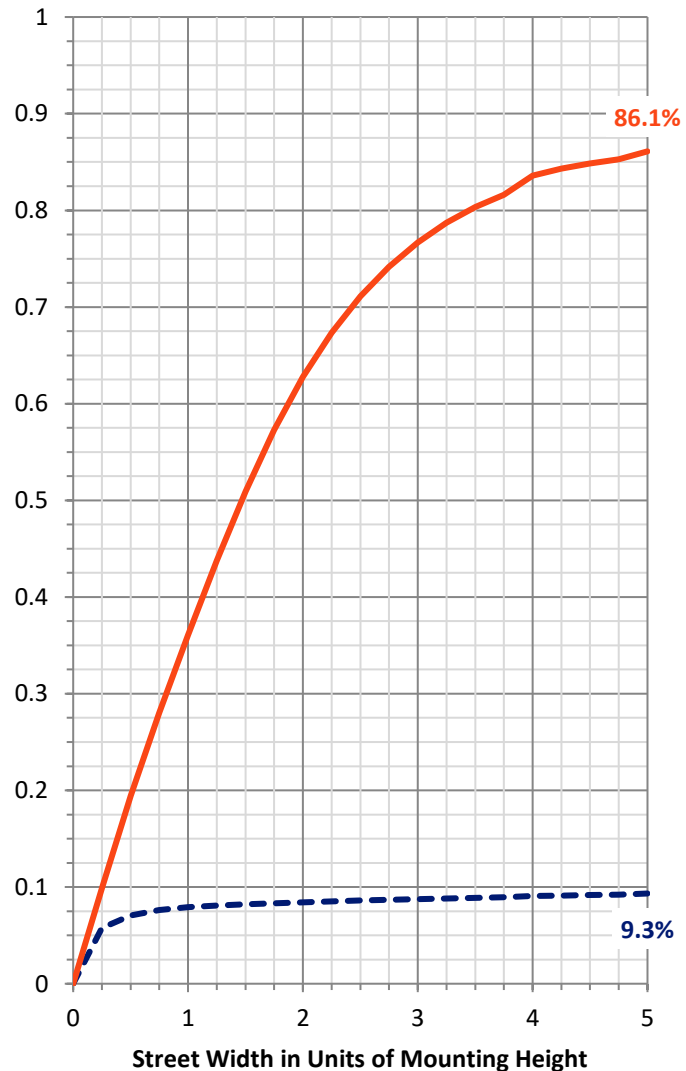
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	494.7	86.6	581.3
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	4172.8	66.9	4239.8
	% Fixture	86.6	1.4	87.9
Total	Lumens	4667.5	153.5	4821.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	0.9
10°-20°	92.2	1.9
20°-30°	154.7	3.2
30°-40°	286.9	6.0
40°-50°	483.6	10.0
50°-60°	867.9	18.0
60°-70°	1303.3	27.0
70°-80°	1192.3	24.7
80°-90°	243.8	5.1
90°-100°	116.7	2.4
100°-110°	24.9	0.5
110°-120°	4.7	0.1
120°-130°	3.7	0.1
130°-140°	1.7	0.0
140°-150°	0.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4667.5	96.8
0°-180°	4821.0	100.0



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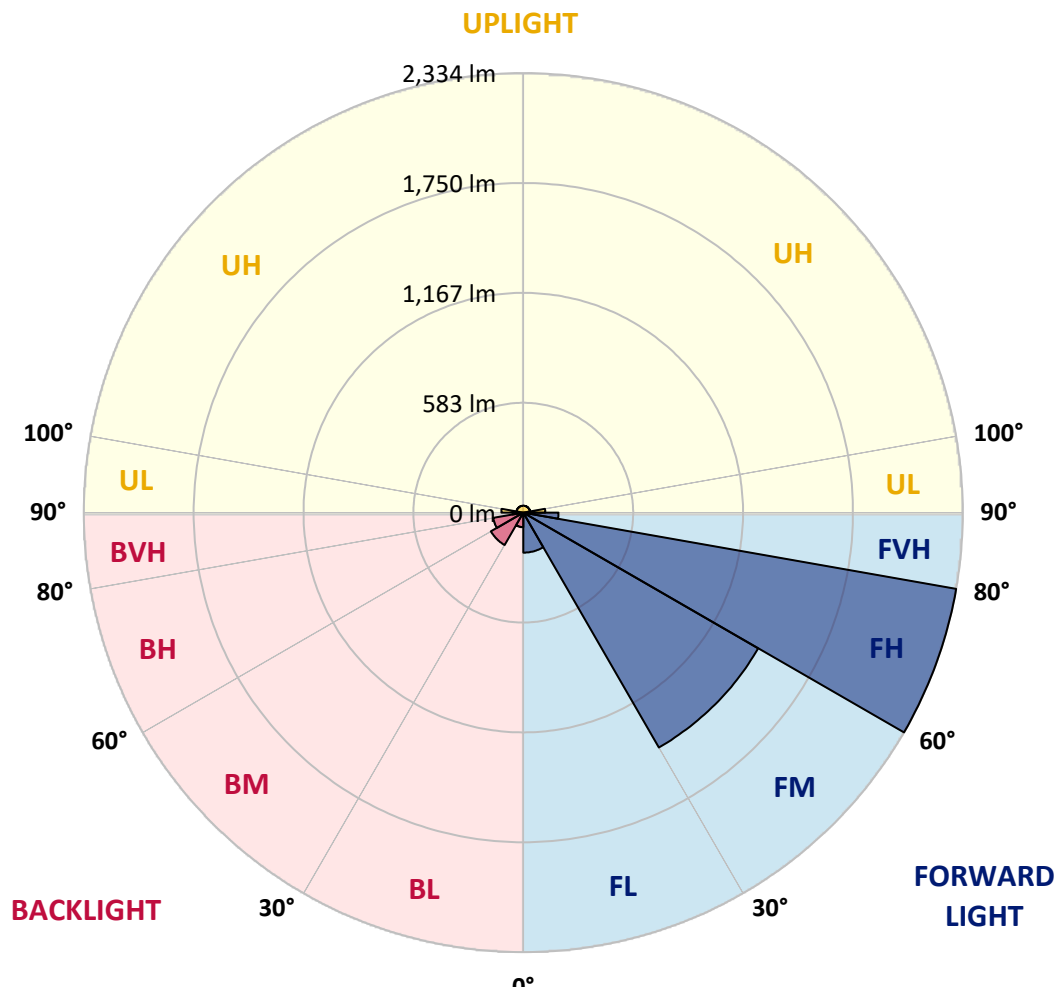
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	212.4	4.4			
FM	(30°-60°)	1440.0	29.9			
FH	(60°-80°)	2333.5	48.4			G2/5000
FVH	(80°-90°)	186.9	3.9			G2/225
BL	(0°-30°)	77.2	1.6	B0/110		
BM	(30°-60°)	198.5	4.1	B0/220		
BH	(60°-80°)	162.1	3.4	B1/500		G1/500
BVH	(80°-90°)	56.9	1.2			G1/100
UL	(90°-100°)	116.7	2.4		U3/500	
UH	(100°-180°)	36.9	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°	549.3	549.3	549.3	549.3	549.3	549.3	549.3	549.3	549.3	549.3	549.3
2.5°	533.8	559.6	551.9	564.8	562.2	559.6	559.6	562.2	559.6	554.5	549.3
5°	544.2	536.4	531.3	528.7	518.4	505.5	500.3	495.2	549.3	549.3	539.0
7.5°	559.6	559.6	549.3	541.6	541.6	528.7	515.8	505.5	479.7	471.9	471.9
10°	595.7	590.6	582.8	567.4	490.0	492.6	464.2	407.5	381.7	392.0	407.5
12.5°	603.5	600.9	590.6	588.0	515.8	438.4	363.6	407.5	389.4	324.9	361.0
15°	647.3	642.1	621.5	585.4	441.0	453.9	422.9	363.6	348.2	397.2	425.5
17.5°	551.9	551.9	618.9	567.4	479.7	381.7	379.1	422.9	381.7	355.9	353.3
20°	678.3	678.3	649.9	464.2	492.6	487.4	392.0	443.6	373.9	422.9	451.3
22.5°	564.8	562.2	582.8	575.1	471.9	497.7	402.3	404.9	446.2	381.7	327.5
25°	688.6	688.6	673.1	500.3	536.4	448.7	459.0	484.8	397.2	482.3	487.4
27.5°	593.1	590.6	562.2	572.5	500.3	549.3	417.8	456.5	487.4	520.9	572.5
30°	724.7	729.8	716.9	544.2	557.0	523.5	497.7	528.7	590.6	693.7	727.3
32.5°	894.9	900.0	763.4	655.0	559.6	637.0	533.8	582.8	678.3	727.3	763.4
35°	995.5	956.8	897.5	732.4	603.5	652.5	613.8	621.5	706.6	784.0	809.8
37.5°	1080.6	1029.0	959.4	755.6	637.0	704.0	639.6	649.9	765.9	835.6	869.1
40°	1108.9	1078.0	1039.3	807.2	678.3	742.7	670.5	693.7	822.7	902.6	954.2
42.5°	1178.6	1181.1	1157.9	879.4	722.1	784.0	722.1	737.6	897.5	995.5	1070.2
45°	1364.2	1369.4	1343.6	1003.2	776.3	856.2	804.6	812.4	982.6	1137.3	1232.7
47.5°	1601.5	1583.5	1557.7	1168.2	858.8	938.7	900.0	892.3	1083.1	1323.0	1408.1
50°	1841.3	1807.8	1753.7	1395.2	1000.6	1023.8	998.0	992.9	1204.4	1513.8	1606.7
52.5°	2091.5	2065.7	1952.2	1609.2	1212.1	1147.6	1119.2	1147.6	1361.7	1725.3	1810.4
55°	2223.0	2197.2	2125.0	1838.8	1415.8	1307.5	1258.5	1310.1	1604.1	1923.9	2034.8
57.5°	2331.3	2323.6	2290.1	2078.6	1663.4	1477.7	1428.7	1477.7	1797.5	2109.5	2241.1
60°	2486.1	2455.1	2486.1	2310.7	1903.2	1686.6	1619.6	1671.1	2034.8	2272.0	2468.0
62.5°	2597.0	2589.2	2651.1	2571.2	2104.4	1905.8	1807.8	1856.8	2243.7	2444.8	2692.4
65°	2478.3	2517.0	2764.6	2741.4	2331.3	2130.2	2027.0	2011.5	2413.9	2630.5	2932.2
67.5°	2266.9	2292.7	2653.7	2829.1	2529.9	2357.1	2233.3	2161.1	2571.2	2798.1	3123.1
70°	2065.7	2096.7	2426.8	2834.2	2625.3	2648.5	2475.8	2341.7	2728.5	2986.4	3164.3
72.5°	1905.8	1934.2	2230.8	2772.3	2658.9	2940.0	2741.4	2532.5	2880.6	2991.5	2764.6
75°	1188.9	1209.5	1794.9	2480.9	2679.5	3203.0	2983.8	2710.4	2867.7	2576.3	1859.4
77.5°	366.2	373.9	768.5	1637.6	2328.8	3177.2	2942.5	2548.0	2403.5	1635.0	848.5
80°	126.4	128.9	198.6	582.8	1392.6	2411.3	2243.7	1874.9	1436.5	603.5	319.8
82.5°	59.3	64.5	92.8	196.0	567.4	1317.8	1325.6	1114.1	603.5	268.2	216.6
85°	20.6	20.6	38.7	85.1	219.2	508.0	482.3	448.7	317.2	242.4	201.2
87.5°	7.7	7.7	12.9	23.2	54.2	108.3	136.7	167.6	167.6	170.2	203.7
90°	7.7	7.7	5.2	5.2	38.7	113.5	136.7	152.2	139.3	154.7	221.8
92.5°	7.7	7.7	5.2	5.2	41.3	131.5	152.2	165.1	147.0	165.1	245.0
95°	7.7	7.7	5.2	5.2	46.4	159.9	177.9	175.4	147.0	172.8	263.0
97.5°	10.3	10.3	5.2	2.6	41.3	170.2	190.8	185.7	126.4	131.5	206.3
100°	10.3	10.3	5.2	2.6	25.8	126.4	152.2	149.6	82.5	20.6	59.3
102.5°	10.3	10.3	5.2	2.6	5.2	59.3	72.2	74.8	49.0	7.7	10.3
105°	12.9	12.9	5.2	2.6	2.6	10.3	23.2	30.9	18.1	5.2	10.3
107.5°	12.9	12.9	5.2	2.6	2.6	5.2	5.2	7.7	7.7	5.2	12.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	10.3	10.3	2.6	5.2	2.6	2.6	2.6	2.6	2.6	5.2	12.9
115°	5.2	5.2	2.6	2.6	0.0	2.6	2.6	2.6	2.6	5.2	10.3
117.5°	2.6	2.6	0.0	2.6	0.0	2.6	2.6	2.6	5.2	5.2	12.9
120°	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	7.7	15.5
122.5°	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	7.7	15.5
125°	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	7.7	15.5
127.5°	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	7.7	12.9
130°	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	5.2	10.3
132.5°	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	5.2	7.7
135°	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	5.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6
145°	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6
147.5°	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
150°	7.7	7.7	5.2	2.6	0.0	0.0	2.6	2.6	2.6	2.6	2.6
152.5°	5.2	5.2	7.7	2.6	0.0	0.0	2.6	2.6	5.2	2.6	2.6
155°	5.2	5.2	2.6	0.0	0.0	0.0	0.0	2.6	2.6	5.2	5.2
157.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
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°	549.3	549.3	549.3	549.3	549.3	549.3	549.3	549.3	549.3	549.3	549.3
2.5°	544.2	541.6	533.8	528.7	520.9	513.2	474.5	451.3	448.7	446.2	448.7
5°	533.8	526.1	513.2	453.9	425.5	399.7	392.0	386.8	373.9	373.9	376.5
7.5°	461.6	456.5	415.2	397.2	373.9	350.7	330.1	314.6	275.9	263.0	257.9
10°	404.9	394.6	322.4	286.3	263.0	237.3	237.3	216.6	206.3	198.6	196.0
12.5°	350.7	343.0	283.7	260.5	196.0	170.2	157.3	144.4	136.7	131.5	128.9
15°	410.0	397.2	304.3	208.9	144.4	121.2	95.4	92.8	116.1	121.2	123.8
17.5°	327.5	335.3	270.8	183.1	118.6	74.8	82.5	98.0	110.9	110.9	108.3
20°	435.8	417.8	294.0	147.0	85.1	74.8	79.9	72.2	103.2	110.9	110.9
22.5°	317.2	301.7	242.4	136.7	67.1	72.2	67.1	85.1	95.4	85.1	87.7
25°	471.9	448.7	281.1	95.4	69.6	61.9	77.4	67.1	92.8	100.6	103.2
27.5°	585.4	508.0	275.9	90.3	61.9	69.6	64.5	77.4	74.8	79.9	79.9
30°	698.9	655.0	312.0	82.5	61.9	59.3	67.1	67.1	85.1	92.8	92.8
32.5°	747.9	696.3	273.4	79.9	61.9	59.3	59.3	72.2	79.9	95.4	95.4
35°	799.5	729.8	229.5	74.8	59.3	56.7	56.7	72.2	85.1	95.4	98.0
37.5°	869.1	765.9	185.7	72.2	56.7	54.2	49.0	64.5	90.3	100.6	103.2
40°	956.8	817.5	144.4	67.1	51.6	49.0	46.4	64.5	77.4	90.3	90.3
42.5°	1093.5	874.3	113.5	64.5	49.0	43.8	43.8	54.2	74.8	85.1	85.1
45°	1232.7	941.3	95.4	61.9	46.4	41.3	41.3	54.2	56.7	72.2	72.2
47.5°	1387.5	1008.4	87.7	59.3	46.4	36.1	36.1	49.0	49.0	67.1	69.6
50°	1547.3	1065.1	82.5	56.7	41.3	33.5	41.3	33.5	41.3	64.5	69.6
52.5°	1686.6	1111.5	77.4	51.6	38.7	30.9	38.7	33.5	41.3	59.3	59.3
55°	1828.4	1137.3	74.8	49.0	36.1	25.8	38.7	36.1	38.7	54.2	54.2
57.5°	1954.8	1145.0	72.2	49.0	30.9	23.2	36.1	43.8	33.5	43.8	49.0
60°	2068.3	1137.3	64.5	43.8	23.2	23.2	38.7	51.6	46.4	51.6	51.6
62.5°	2174.0	1108.9	51.6	36.1	18.1	23.2	49.0	56.7	43.8	54.2	59.3
65°	2264.3	1070.2	38.7	28.4	12.9	25.8	51.6	64.5	51.6	61.9	67.1
67.5°	2305.5	1018.7	30.9	23.2	12.9	28.4	54.2	72.2	59.3	69.6	74.8
70°	2235.9	912.9	25.8	23.2	10.3	33.5	56.7	77.4	67.1	87.7	90.3
72.5°	1856.8	716.9	23.2	23.2	18.1	41.3	72.2	87.7	82.5	118.6	116.1
75°	1230.1	392.0	23.2	20.6	23.2	49.0	87.7	103.2	90.3	134.1	134.1
77.5°	567.4	172.8	20.6	23.2	25.8	54.2	100.6	123.8	103.2	152.2	149.6
80°	247.6	105.7	20.6	20.6	28.4	59.3	113.5	139.3	113.5	167.6	167.6
82.5°	185.7	95.4	18.1	20.6	38.7	67.1	131.5	154.7	126.4	180.5	177.9
85°	172.8	90.3	20.6	23.2	43.8	85.1	154.7	167.6	131.5	185.7	185.7
87.5°	175.4	87.7	20.6	23.2	59.3	108.3	175.4	180.5	144.4	196.0	196.0
90°	180.5	90.3	23.2	25.8	67.1	118.6	196.0	193.4	162.5	206.3	206.3
92.5°	193.4	90.3	25.8	28.4	72.2	131.5	214.0	198.6	175.4	214.0	208.9
95°	201.2	90.3	28.4	30.9	85.1	144.4	226.9	193.4	185.7	198.6	193.4
97.5°	149.6	67.1	33.5	36.1	87.7	162.5	208.9	165.1	121.2	118.6	121.2
100°	49.0	23.2	36.1	38.7	56.7	113.5	154.7	118.6	64.5	49.0	49.0
102.5°	12.9	12.9	33.5	36.1	30.9	49.0	90.3	77.4	43.8	2.6	5.2
105°	12.9	10.3	20.6	28.4	18.1	12.9	36.1	43.8	33.5	2.6	2.6
107.5°	12.9	10.3	10.3	15.5	5.2	5.2	10.3	10.3	10.3	2.6	2.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.5	10.3	5.2	5.2	5.2	2.6	2.6	2.6	2.6	7.7	10.3
115°	12.9	10.3	2.6	5.2	2.6	2.6	2.6	2.6	5.2	10.3	12.9
117.5°	12.9	10.3	2.6	2.6	2.6	2.6	2.6	2.6	5.2	12.9	15.5
120°	15.5	12.9	2.6	2.6	2.6	2.6	2.6	2.6	5.2	15.5	15.5
122.5°	15.5	12.9	2.6	2.6	2.6	2.6	0.0	2.6	7.7	15.5	15.5
125°	15.5	12.9	2.6	2.6	2.6	0.0	0.0	2.6	7.7	15.5	18.1
127.5°	12.9	10.3	2.6	2.6	2.6	0.0	0.0	2.6	5.2	12.9	15.5
130°	10.3	7.7	2.6	2.6	2.6	0.0	0.0	0.0	5.2	12.9	12.9
132.5°	7.7	5.2	2.6	2.6	2.6	0.0	0.0	0.0	5.2	10.3	10.3
135°	5.2	5.2	2.6	2.6	2.6	0.0	0.0	0.0	2.6	7.7	7.7
137.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	2.6	2.6	2.6
140°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
155°	5.2	5.2	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.6	2.6	2.6	2.6	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° | 12.9 12.9 5.2 5.2 2.6 2.6 2.6 2.6 5.2 5.2 12.9



110°	12.9	10.3	5.2	5.2	5.2	5.2	5.2	2.6	2.6	5.2	5.2
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(END OF REPORT)