

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: P560833

Luminaire Tested: **SDL-PA1-60-830-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560833
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-PA1-60-830-U-T4W-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 800mA 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: 4039.8 lumens
Efficiency: N/A
Efficacy: 64.7 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

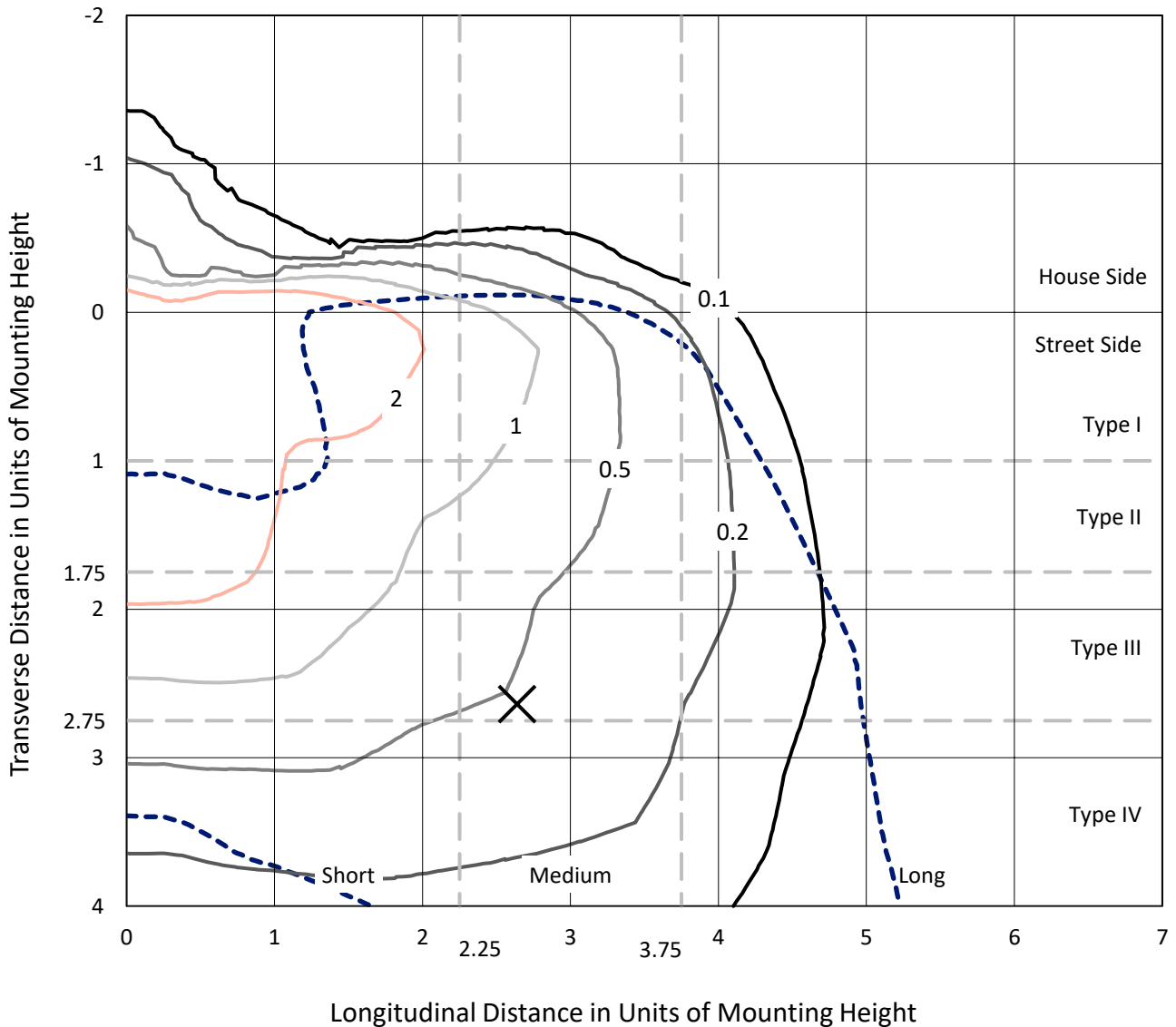
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

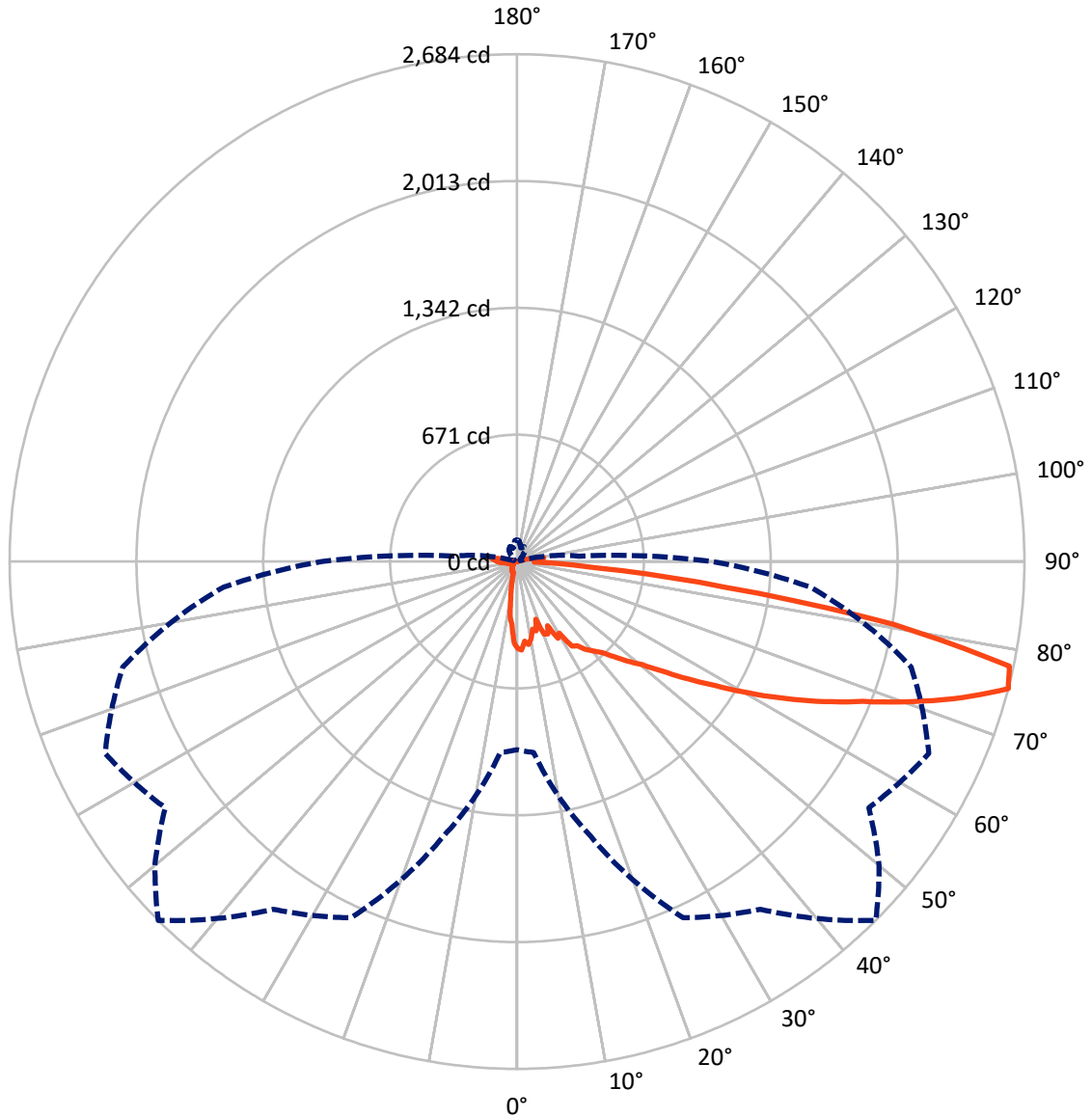
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 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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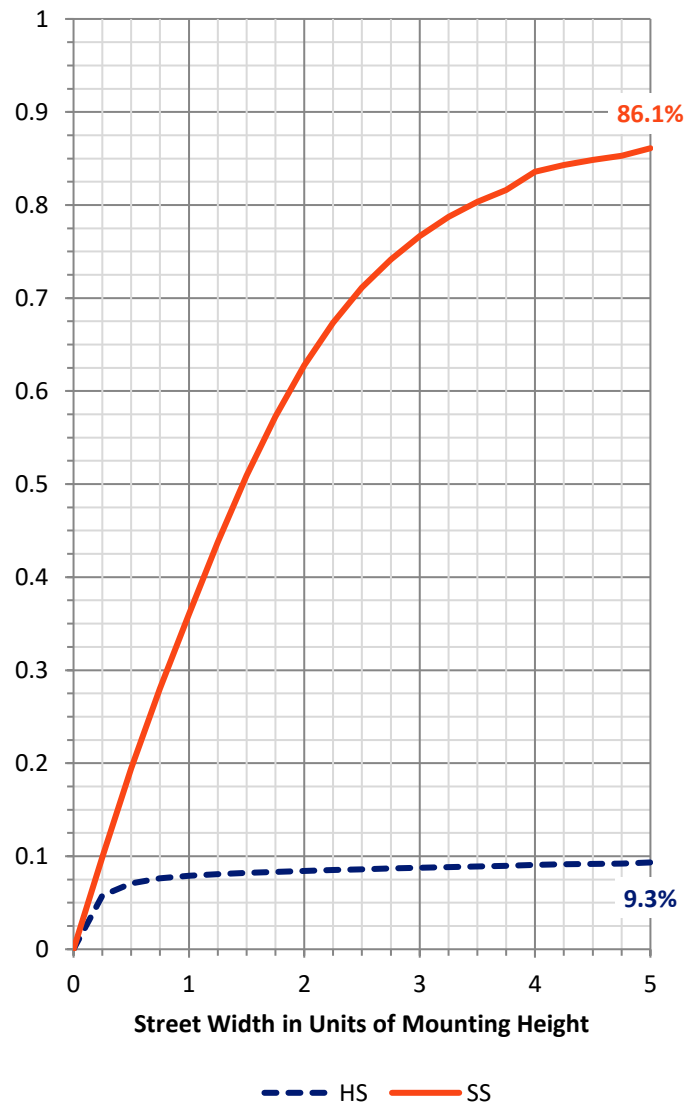
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	414.5	72.6	487.1
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	3496.7	56.1	3552.8
	% Fixture	86.6	1.4	87.9
Total	Lumens	3911.2	128.6	4039.8
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.7	0.9
10°-20°	77.3	1.9
20°-30°	129.7	3.2
30°-40°	240.4	6.0
40°-50°	405.2	10.0
50°-60°	727.3	18.0
60°-70°	1092.1	27.0
70°-80°	999.1	24.7
80°-90°	204.3	5.1
90°-100°	97.8	2.4
100°-110°	20.8	0.5
110°-120°	4.0	0.1
120°-130°	3.1	0.1
130°-140°	1.4	0.0
140°-150°	0.8	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3911.2	96.8
0°-180°	4039.8	100.0

Coefficient of Utilization



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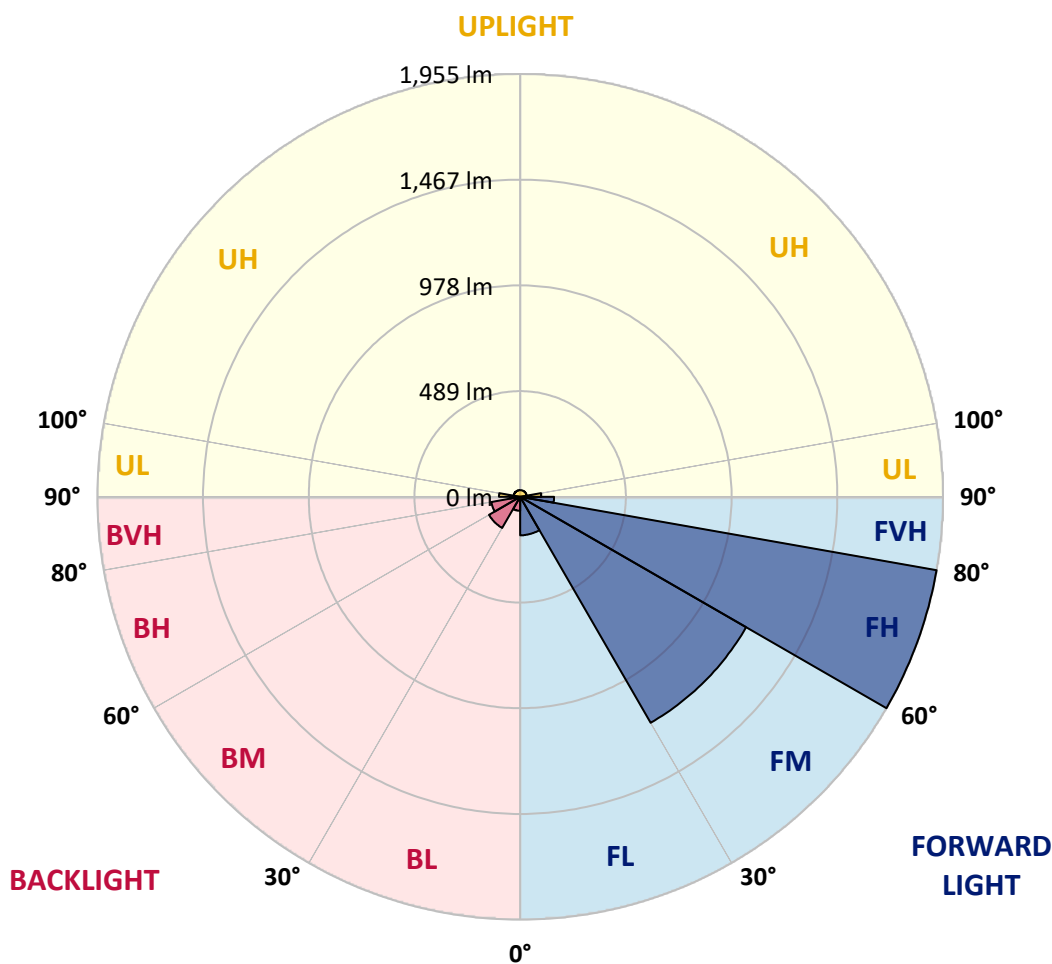
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.0	4.4			
FM	(30°-60°)	1206.7	29.9			
FH	(60°-80°)	1955.4	48.4			G2/5000
FVH	(80°-90°)	156.6	3.9			G2/225
BL	(0°-30°)	64.7	1.6	B0/110		
BM	(30°-60°)	166.3	4.1	B0/220		
BH	(60°-80°)	135.8	3.4	B1/500		G1/500
BVH	(80°-90°)	47.6	1.2			G1/100
UL	(90°-100°)	97.8	2.4		U3/500	
UH	(100°-180°)	30.9	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°	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3
2.5°	447.3	468.9	462.5	473.3	471.1	468.9	468.9	471.1	468.9	464.6	460.3
5°	456.0	449.5	445.2	443.0	434.4	423.6	419.2	414.9	460.3	460.3	451.7
7.5°	468.9	468.9	460.3	453.8	453.8	443.0	432.2	423.6	402.0	395.5	395.5
10°	499.2	494.9	488.4	475.4	410.6	412.8	389.0	341.4	319.8	328.5	341.4
12.5°	505.7	503.5	494.9	492.7	432.2	367.4	304.7	341.4	326.3	272.3	302.5
15°	542.4	538.1	520.8	490.6	369.5	380.3	354.4	304.7	291.7	332.8	356.6
17.5°	462.5	462.5	518.6	475.4	402.0	319.8	317.7	354.4	319.8	298.2	296.1
20°	568.4	568.4	544.6	389.0	412.8	408.4	328.5	371.7	313.4	354.4	378.2
22.5°	473.3	471.1	488.4	481.9	395.5	417.1	337.1	339.3	373.9	319.8	274.5
25°	577.0	577.0	564.0	419.2	449.5	376.0	384.7	406.3	332.8	404.1	408.4
27.5°	497.0	494.9	471.1	479.8	419.2	460.3	350.1	382.5	408.4	436.5	479.8
30°	607.3	611.6	600.8	456.0	466.8	438.7	417.1	443.0	494.9	581.3	609.4
32.5°	749.9	754.2	639.7	548.9	468.9	533.8	447.3	488.4	568.4	609.4	639.7
35°	834.2	801.7	752.0	613.7	505.7	546.7	514.3	520.8	592.1	657.0	678.6
37.5°	905.5	862.3	803.9	633.2	533.8	590.0	535.9	544.6	641.8	700.2	728.3
40°	929.2	903.3	870.9	676.4	568.4	622.4	561.9	581.3	689.4	756.4	799.6
42.5°	987.6	989.8	970.3	736.9	605.1	657.0	605.1	618.1	752.0	834.2	896.8
45°	1143.2	1147.5	1125.9	840.6	650.5	717.5	674.2	680.7	823.4	953.0	1033.0
47.5°	1342.0	1326.9	1305.3	979.0	719.6	786.6	754.2	747.7	907.6	1108.6	1179.9
50°	1543.0	1514.9	1469.5	1169.1	838.5	857.9	836.3	832.0	1009.2	1268.5	1346.3
52.5°	1752.6	1731.0	1635.9	1348.5	1015.7	961.7	937.9	961.7	1141.0	1445.7	1517.0
55°	1862.8	1841.2	1780.7	1540.8	1186.4	1095.6	1054.6	1097.8	1344.2	1612.1	1705.1
57.5°	1953.6	1947.1	1919.0	1741.8	1393.9	1238.3	1197.2	1238.3	1506.2	1767.7	1877.9
60°	2083.2	2057.3	2083.2	1936.3	1594.8	1413.3	1357.1	1400.4	1705.1	1903.9	2068.1
62.5°	2176.2	2169.7	2221.5	2154.6	1763.4	1597.0	1514.9	1555.9	1880.1	2048.7	2256.1
65°	2076.8	2109.2	2316.6	2297.2	1953.6	1785.0	1698.6	1685.6	2022.7	2204.3	2457.1
67.5°	1899.6	1921.2	2223.7	2370.7	2120.0	1975.2	1871.5	1811.0	2154.6	2344.7	2617.0
70°	1731.0	1756.9	2033.5	2375.0	2199.9	2219.4	2074.6	1962.2	2286.4	2502.5	2651.6
72.5°	1597.0	1620.8	1869.3	2323.1	2228.0	2463.6	2297.2	2122.1	2413.9	2506.8	2316.6
75°	996.2	1013.5	1504.1	2078.9	2245.3	2684.0	2500.3	2271.3	2403.1	2158.9	1558.1
77.5°	306.9	313.4	644.0	1372.3	1951.4	2662.4	2465.7	2135.1	2014.1	1370.1	711.0
80°	105.9	108.1	166.4	488.4	1167.0	2020.6	1880.1	1571.1	1203.7	505.7	268.0
82.5°	49.7	54.0	77.8	164.2	475.4	1104.3	1110.8	933.6	505.7	224.7	181.5
85°	17.3	17.3	32.4	71.3	183.7	425.7	404.1	376.0	265.8	203.1	168.6
87.5°	6.5	6.5	10.8	19.4	45.4	90.8	114.5	140.5	140.5	142.6	170.7
90°	6.5	6.5	4.3	4.3	32.4	95.1	114.5	127.5	116.7	129.7	185.8
92.5°	6.5	6.5	4.3	4.3	34.6	110.2	127.5	138.3	123.2	138.3	205.3
95°	6.5	6.5	4.3	4.3	38.9	134.0	149.1	147.0	123.2	144.8	220.4
97.5°	8.6	8.6	4.3	2.2	34.6	142.6	159.9	155.6	105.9	110.2	172.9
100°	8.6	8.6	4.3	2.2	21.6	105.9	127.5	125.3	69.2	17.3	49.7
102.5°	8.6	8.6	4.3	2.2	4.3	49.7	60.5	62.7	41.1	6.5	8.6
105°	10.8	10.8	4.3	2.2	2.2	8.6	19.4	25.9	15.1	4.3	8.6
107.5°	10.8	10.8	4.3	2.2	2.2	4.3	4.3	6.5	6.5	4.3	10.8
110°	10.8	10.8	4.3	4.3	2.2	2.2	2.2	2.2	4.3	4.3	10.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	8.6	8.6	2.2	4.3	2.2	2.2	2.2	2.2	2.2	4.3	10.8
115°	4.3	4.3	2.2	2.2	0.0	2.2	2.2	2.2	2.2	4.3	8.6
117.5°	2.2	2.2	0.0	2.2	0.0	2.2	2.2	2.2	4.3	4.3	10.8
120°	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	6.5	13.0
122.5°	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	6.5	13.0
125°	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	6.5	13.0
127.5°	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	6.5	10.8
130°	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	4.3	8.6
132.5°	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	4.3	6.5
135°	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	4.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2
145°	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
150°	6.5	6.5	4.3	2.2	0.0	0.0	2.2	2.2	2.2	2.2	2.2
152.5°	4.3	4.3	6.5	2.2	0.0	0.0	2.2	2.2	4.3	2.2	2.2
155°	4.3	4.3	2.2	0.0	0.0	0.0	0.0	2.2	2.2	4.3	4.3
157.5°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
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°	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3
2.5°	456.0	453.8	447.3	443.0	436.5	430.0	397.6	378.2	376.0	373.9	376.0
5°	447.3	440.9	430.0	380.3	356.6	335.0	328.5	324.2	313.4	313.4	315.5
7.5°	386.8	382.5	347.9	332.8	313.4	293.9	276.6	263.6	231.2	220.4	216.1
10°	339.3	330.6	270.1	239.9	220.4	198.8	198.8	181.5	172.9	166.4	164.2
12.5°	293.9	287.4	237.7	218.3	164.2	142.6	131.8	121.0	114.5	110.2	108.1
15°	343.6	332.8	255.0	175.0	121.0	101.6	80.0	77.8	97.2	101.6	103.7
17.5°	274.5	280.9	226.9	153.4	99.4	62.7	69.2	82.1	92.9	92.9	90.8
20°	365.2	350.1	246.4	123.2	71.3	62.7	67.0	60.5	86.4	92.9	92.9
22.5°	265.8	252.8	203.1	114.5	56.2	60.5	56.2	71.3	80.0	71.3	73.5
25°	395.5	376.0	235.6	80.0	58.3	51.9	64.8	56.2	77.8	84.3	86.4
27.5°	490.6	425.7	231.2	75.6	51.9	58.3	54.0	64.8	62.7	67.0	67.0
30°	585.6	548.9	261.5	69.2	51.9	49.7	56.2	56.2	71.3	77.8	77.8
32.5°	626.7	583.5	229.1	67.0	51.9	49.7	49.7	60.5	67.0	80.0	80.0
35°	669.9	611.6	192.3	62.7	49.7	47.5	47.5	60.5	71.3	80.0	82.1
37.5°	728.3	641.8	155.6	60.5	47.5	45.4	41.1	54.0	75.6	84.3	86.4
40°	801.7	685.0	121.0	56.2	43.2	41.1	38.9	54.0	64.8	75.6	75.6
42.5°	916.3	732.6	95.1	54.0	41.1	36.7	36.7	45.4	62.7	71.3	71.3
45°	1033.0	788.8	80.0	51.9	38.9	34.6	34.6	45.4	47.5	60.5	60.5
47.5°	1162.6	845.0	73.5	49.7	38.9	30.3	30.3	41.1	41.1	56.2	58.3
50°	1296.6	892.5	69.2	47.5	34.6	28.1	34.6	28.1	34.6	54.0	58.3
52.5°	1413.3	931.4	64.8	43.2	32.4	25.9	32.4	28.1	34.6	49.7	49.7
55°	1532.2	953.0	62.7	41.1	30.3	21.6	32.4	30.3	32.4	45.4	45.4
57.5°	1638.1	959.5	60.5	41.1	25.9	19.4	30.3	36.7	28.1	36.7	41.1
60°	1733.2	953.0	54.0	36.7	19.4	19.4	32.4	43.2	38.9	43.2	43.2
62.5°	1821.8	929.2	43.2	30.3	15.1	19.4	41.1	47.5	36.7	45.4	49.7
65°	1897.4	896.8	32.4	23.8	10.8	21.6	43.2	54.0	43.2	51.9	56.2
67.5°	1932.0	853.6	25.9	19.4	10.8	23.8	45.4	60.5	49.7	58.3	62.7
70°	1873.6	765.0	21.6	19.4	8.6	28.1	47.5	64.8	56.2	73.5	75.6
72.5°	1555.9	600.8	19.4	19.4	15.1	34.6	60.5	73.5	69.2	99.4	97.2
75°	1030.8	328.5	19.4	17.3	19.4	41.1	73.5	86.4	75.6	112.4	112.4
77.5°	475.4	144.8	17.3	19.4	21.6	45.4	84.3	103.7	86.4	127.5	125.3
80°	207.5	88.6	17.3	17.3	23.8	49.7	95.1	116.7	95.1	140.5	140.5
82.5°	155.6	80.0	15.1	17.3	32.4	56.2	110.2	129.7	105.9	151.3	149.1
85°	144.8	75.6	17.3	19.4	36.7	71.3	129.7	140.5	110.2	155.6	155.6
87.5°	147.0	73.5	17.3	19.4	49.7	90.8	147.0	151.3	121.0	164.2	164.2
90°	151.3	75.6	19.4	21.6	56.2	99.4	164.2	162.1	136.1	172.9	172.9
92.5°	162.1	75.6	21.6	23.8	60.5	110.2	179.4	166.4	147.0	179.4	175.0
95°	168.6	75.6	23.8	25.9	71.3	121.0	190.2	162.1	155.6	166.4	162.1
97.5°	125.3	56.2	28.1	30.3	73.5	136.1	175.0	138.3	101.6	99.4	101.6
100°	41.1	19.4	30.3	32.4	47.5	95.1	129.7	99.4	54.0	41.1	41.1
102.5°	10.8	10.8	28.1	30.3	25.9	41.1	75.6	64.8	36.7	2.2	4.3
105°	10.8	8.6	17.3	23.8	15.1	10.8	30.3	36.7	28.1	2.2	2.2
107.5°	10.8	8.6	8.6	13.0	4.3	4.3	8.6	8.6	8.6	2.2	2.2
110°	10.8	8.6	4.3	4.3	4.3	4.3	4.3	2.2	2.2	4.3	4.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.0	8.6	4.3	4.3	4.3	2.2	2.2	2.2	2.2	6.5	8.6
115°	10.8	8.6	2.2	4.3	2.2	2.2	2.2	2.2	4.3	8.6	10.8
117.5°	10.8	8.6	2.2	2.2	2.2	2.2	2.2	2.2	4.3	10.8	13.0
120°	13.0	10.8	2.2	2.2	2.2	2.2	2.2	2.2	4.3	13.0	13.0
122.5°	13.0	10.8	2.2	2.2	2.2	2.2	0.0	2.2	6.5	13.0	13.0
125°	13.0	10.8	2.2	2.2	2.2	0.0	0.0	2.2	6.5	13.0	15.1
127.5°	10.8	8.6	2.2	2.2	2.2	0.0	0.0	2.2	4.3	10.8	13.0
130°	8.6	6.5	2.2	2.2	2.2	0.0	0.0	0.0	4.3	10.8	10.8
132.5°	6.5	4.3	2.2	2.2	2.2	0.0	0.0	0.0	4.3	8.6	8.6
135°	4.3	4.3	2.2	2.2	2.2	0.0	0.0	0.0	2.2	6.5	6.5
137.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	2.2	2.2	2.2
140°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
155°	4.3	4.3	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.2	2.2	2.2	2.2	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

(END OF REPORT)