

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: P560652

Luminaire Tested: **SDL-PA1-50-830-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-830-U-T3-A
Description: Springdale
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4786.7 lumens
Efficiency: N/A
Efficacy: 91.3 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): 52.4
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

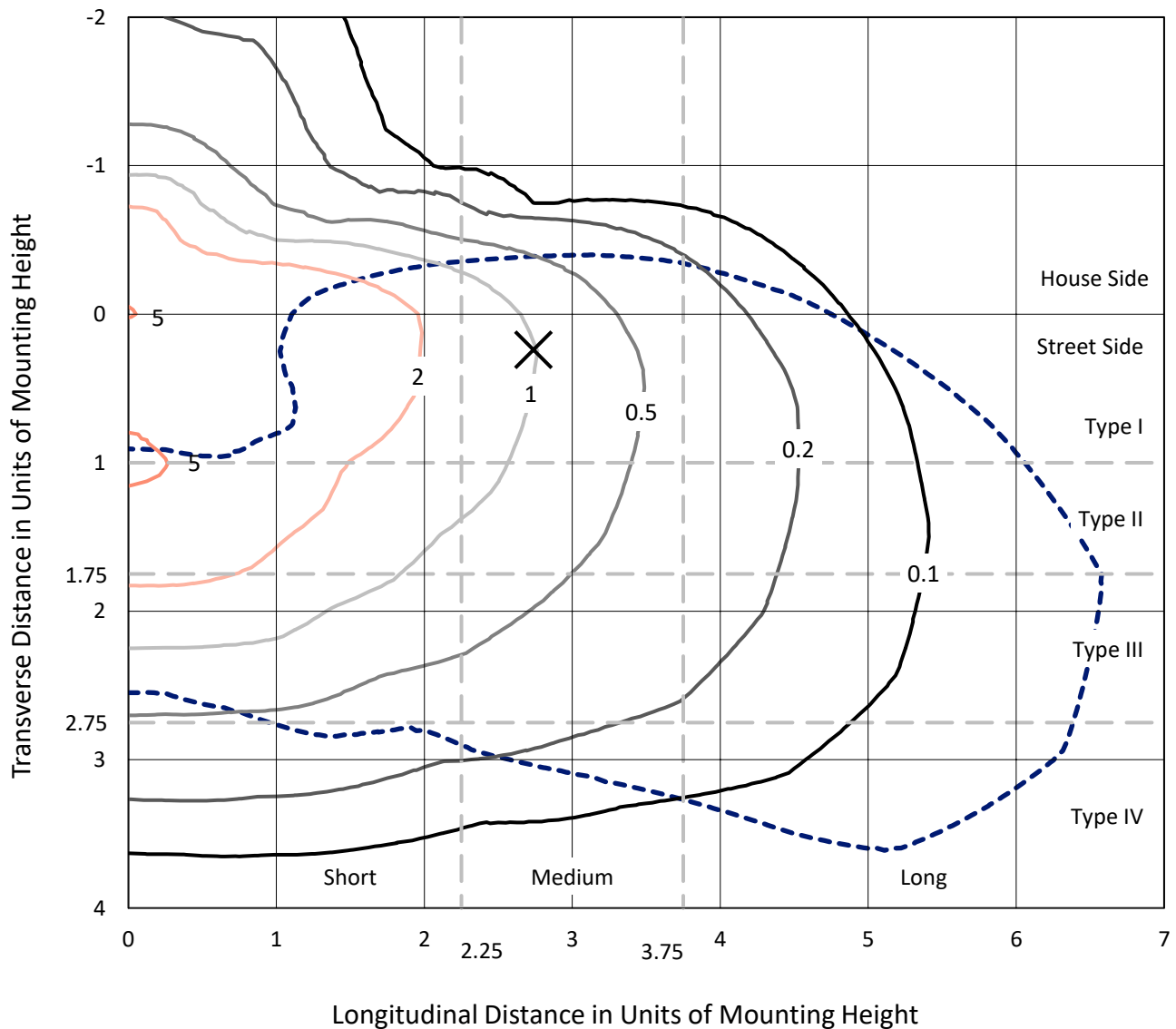


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

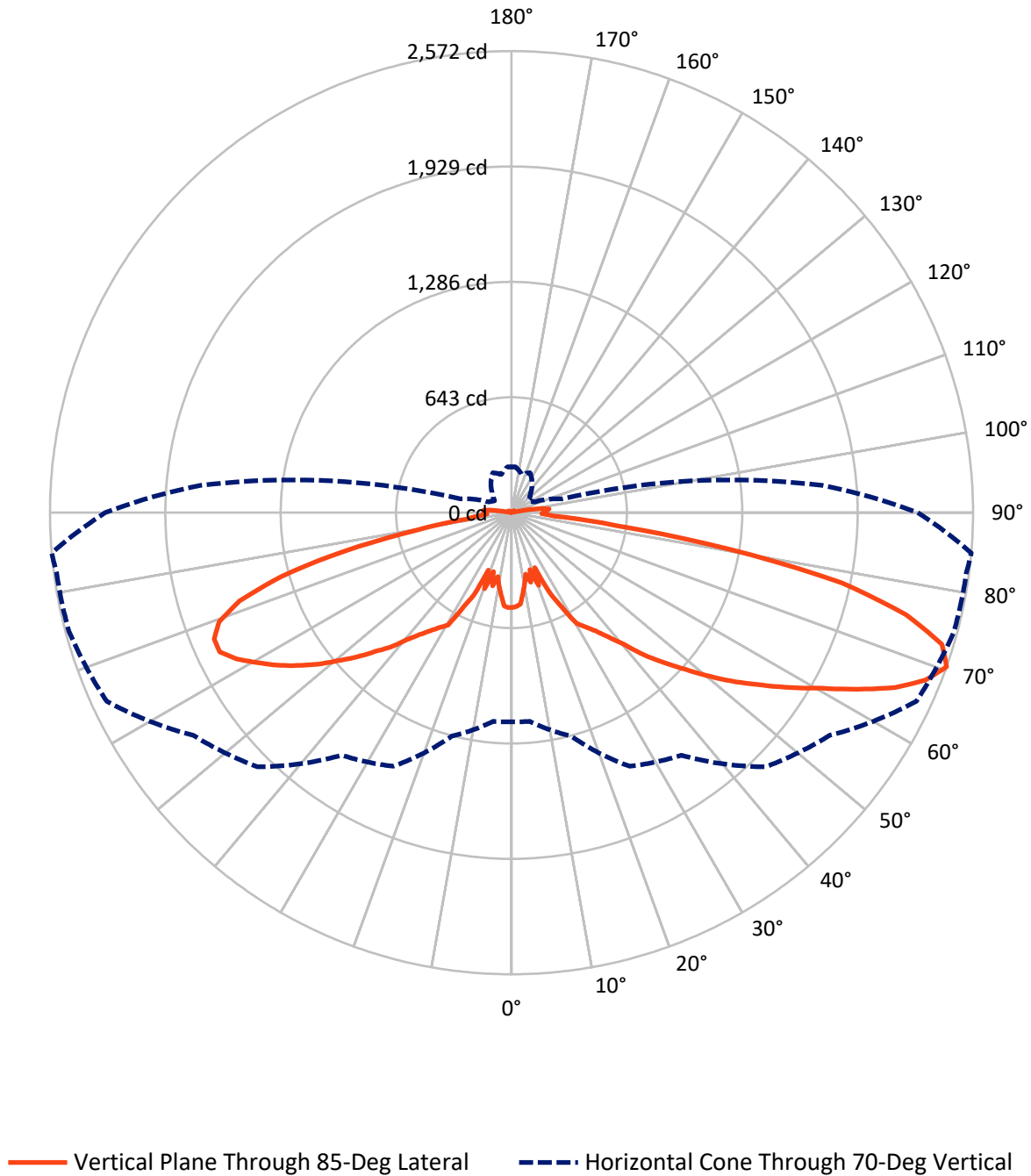


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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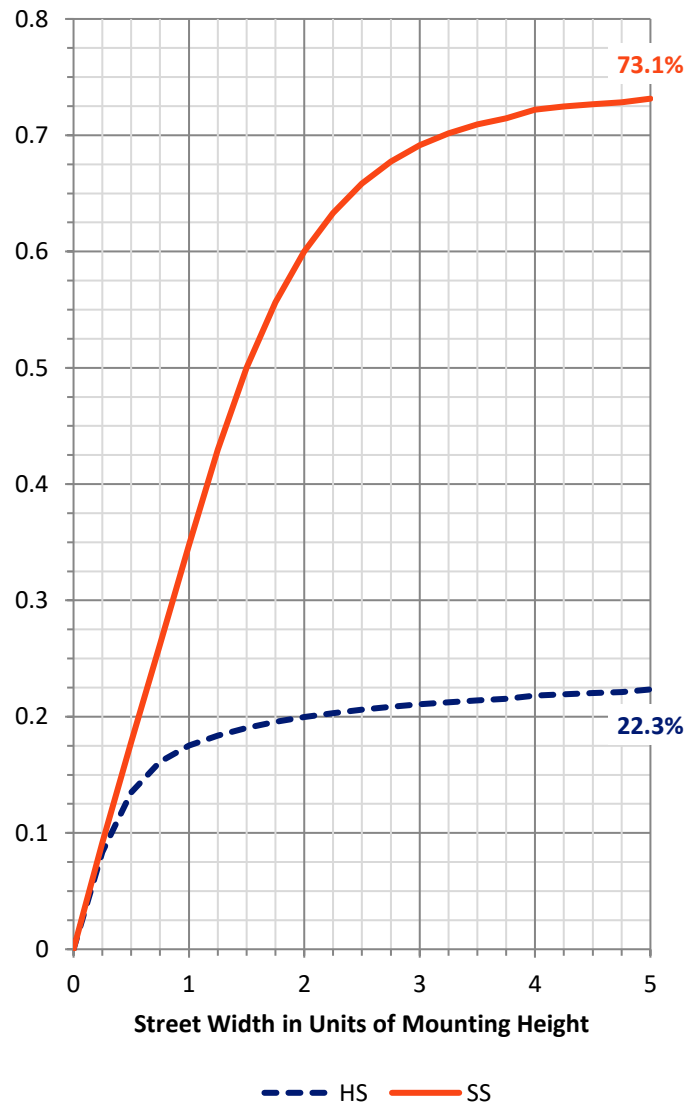
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1125.4	72.5	1197.9
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	3527.5	61.3	3588.8
	% Fixture	73.7	1.3	75.0
Total	Lumens	4652.9	133.8	4786.7
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	0.9
10°-20°	105.6	2.2
20°-30°	192.4	4.0
30°-40°	363.7	7.6
40°-50°	607.8	12.7
50°-60°	948.6	19.8
60°-70°	1176.3	24.6
70°-80°	961.1	20.1
80°-90°	254.4	5.3
90°-100°	96.6	2.0
100°-110°	20.6	0.4
110°-120°	6.7	0.1
120°-130°	5.2	0.1
130°-140°	2.5	0.1
140°-150°	1.2	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4652.9	97.2
0°-180°	4786.7	100.0

Coefficient of Utilization



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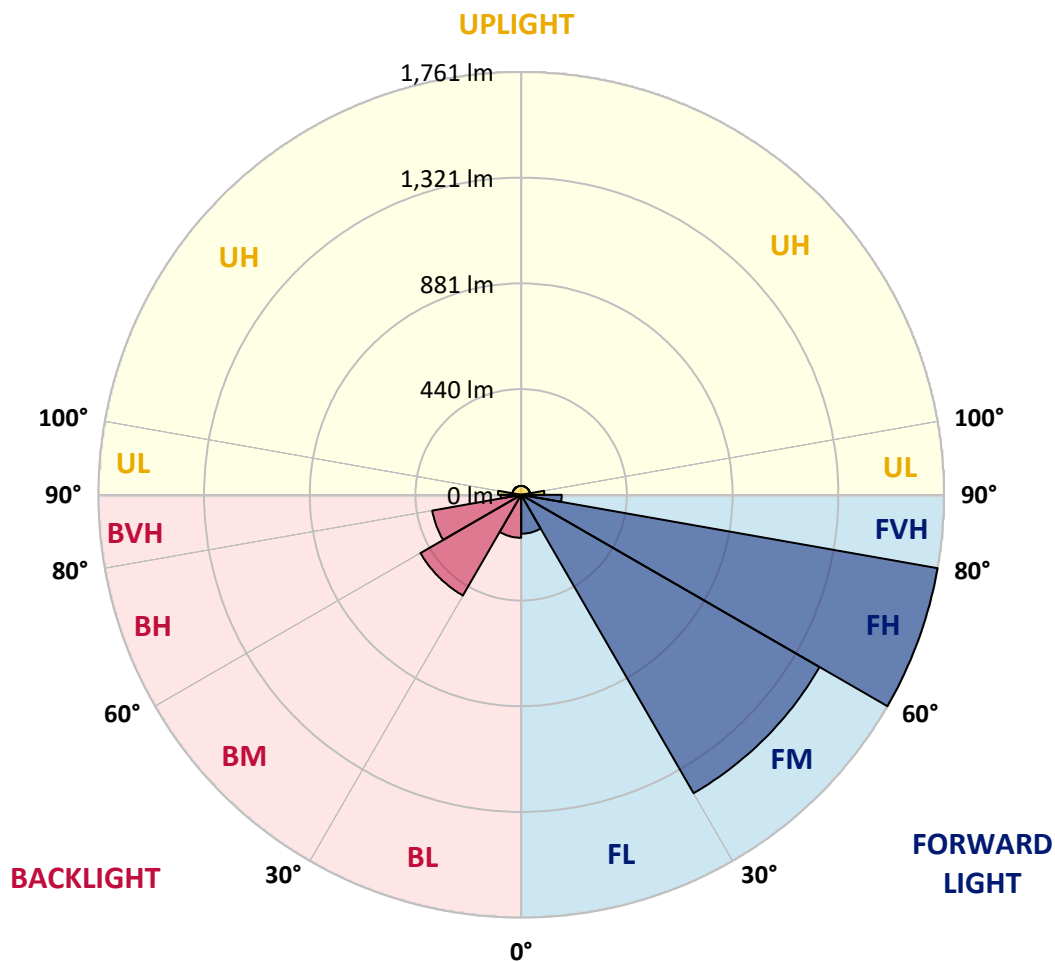
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	162.1	3.4			
FM	(30°-60°)	1435.3	30.0			
FH	(60°-80°)	1761.4	36.8			G1/1800
FVH	(80°-90°)	168.8	3.5			G2/225
BL	(0°-30°)	179.0	3.7	B1/500		
BM	(30°-60°)	484.7	10.1	B1/1000		
BH	(60°-80°)	376.0	7.9	B1/500		G1/500
BVH	(80°-90°)	85.6	1.8			G1/100
UL	(90°-100°)	96.6	2.0		U3/500	
UH	(100°-180°)	37.2	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°	75°	82.5°	85°
0°	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8
2.5°	437.9	480.6	473.2	486.2	493.6	504.7	512.1	515.9	519.6	523.3	523.3
5°	406.4	408.2	410.1	411.9	415.7	421.2	426.8	486.2	504.7	512.1	512.1
7.5°	371.1	369.3	376.7	386.0	399.0	406.4	411.9	413.8	434.2	450.9	454.6
10°	369.3	371.1	371.1	374.8	352.6	350.7	324.7	326.6	354.4	397.1	399.0
12.5°	321.0	330.3	350.7	365.6	343.3	308.0	302.5	317.3	296.9	348.9	350.7
15°	358.1	356.3	356.3	341.4	289.5	304.3	270.9	282.1	345.1	393.4	402.7
17.5°	311.7	308.0	345.1	334.0	300.6	254.2	304.3	300.6	311.7	339.6	334.0
20°	391.5	387.8	380.4	289.5	304.3	319.2	309.9	289.5	365.6	408.2	432.4
22.5°	365.6	369.3	387.8	367.4	313.6	328.4	293.2	356.3	345.1	328.4	332.2
25°	499.2	495.4	476.9	360.0	374.8	306.2	358.1	317.3	437.9	486.2	489.9
27.5°	460.2	454.6	441.6	452.8	380.4	400.8	348.9	415.7	484.3	569.7	595.7
30°	610.5	604.9	590.1	456.5	452.8	397.1	423.1	510.3	653.2	718.1	716.3
32.5°	786.8	746.0	655.0	584.5	484.3	515.9	484.3	601.2	695.9	758.9	758.9
35°	894.4	887.0	838.7	679.2	564.1	562.3	556.7	662.5	768.2	812.8	809.0
37.5°	985.3	998.3	963.1	786.8	636.5	651.3	623.5	746.0	857.3	883.3	879.6
40°	1111.5	1107.8	1089.2	879.6	725.5	723.7	703.3	846.2	955.6	974.2	964.9
42.5°	1298.9	1278.5	1222.8	1003.9	820.2	820.2	783.1	940.8	1076.3	1078.1	1083.7
45°	1529.0	1519.7	1421.4	1196.9	942.7	940.8	879.6	1041.0	1198.7	1208.0	1191.3
47.5°	1688.6	1660.8	1612.5	1373.2	1131.9	1089.2	996.5	1139.3	1345.3	1337.9	1304.5
50°	1846.3	1824.1	1779.5	1566.1	1328.6	1243.3	1105.9	1241.4	1486.3	1465.9	1434.4
52.5°	1981.8	1952.1	1903.9	1723.9	1501.2	1434.4	1232.1	1334.2	1629.2	1595.8	1566.1
55°	2059.7	1998.5	2002.2	1864.9	1631.1	1577.3	1373.2	1484.5	1768.4	1720.2	1696.0
57.5°	1963.2	1959.5	2020.8	1952.1	1749.8	1696.0	1523.5	1634.8	1913.1	1850.0	1838.9
60°	1866.7	1877.9	1965.1	1978.1	1842.6	1803.7	1653.3	1848.2	2054.2	1985.5	1985.5
62.5°	1733.1	1764.7	1887.2	1987.4	1851.9	1909.4	1788.8	2030.0	2208.2	2145.1	2165.5
65°	1581.0	1581.0	1722.0	1911.3	1822.2	1979.9	1939.1	2228.6	2343.6	2306.5	2349.2
67.5°	1373.2	1376.9	1523.5	1762.8	1768.4	2015.2	2059.7	2384.5	2484.7	2456.8	2488.4
70°	1165.3	1167.2	1289.6	1558.7	1649.6	2002.2	2163.6	2488.4	2553.3	2557.0	2571.9
72.5°	872.1	903.7	1018.7	1265.5	1443.7	1948.4	2217.5	2518.1	2551.5	2557.0	2508.8
75°	469.5	484.3	612.4	823.9	1072.5	1727.6	2200.8	2486.5	2462.4	2397.4	2271.3
77.5°	163.3	170.7	215.3	360.0	608.6	1222.8	2041.2	2349.2	2271.3	2067.2	1881.6
80°	105.8	105.8	116.9	172.6	276.5	579.0	1584.7	2013.3	1829.6	1393.6	1221.0
82.5°	74.2	76.1	85.4	115.0	178.1	248.7	823.9	1022.4	1007.6	694.0	584.5
85°	53.8	55.7	59.4	66.8	122.5	154.0	321.0	491.7	454.6	248.7	233.8
87.5°	24.1	27.8	24.1	29.7	48.2	94.6	154.0	152.2	144.7	165.1	168.9
90°	18.6	18.6	14.8	16.7	33.4	85.4	142.9	137.3	146.6	180.0	178.1
92.5°	18.6	18.6	14.8	16.7	31.5	85.4	150.3	133.6	152.2	193.0	194.8
95°	18.6	20.4	14.8	14.8	26.0	87.2	159.6	142.9	161.4	209.7	209.7
97.5°	16.7	16.7	11.1	13.0	20.4	79.8	159.6	122.5	118.8	168.9	167.0
100°	13.0	14.8	7.4	11.1	14.8	48.2	118.8	76.1	33.4	39.0	59.4
102.5°	13.0	13.0	7.4	9.3	11.1	20.4	63.1	44.5	9.3	13.0	13.0
105°	13.0	14.8	7.4	7.4	7.4	9.3	29.7	22.3	7.4	11.1	13.0
107.5°	14.8	14.8	5.6	5.6	5.6	5.6	11.1	9.3	7.4	13.0	14.8
110°	14.8	14.8	5.6	5.6	3.7	3.7	5.6	5.6	7.4	13.0	14.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	13.0	13.0	5.6	5.6	3.7	3.7	3.7	5.6	7.4	11.1	13.0
115°	9.3	9.3	3.7	5.6	3.7	3.7	3.7	5.6	5.6	9.3	11.1
117.5°	9.3	7.4	3.7	3.7	1.9	3.7	3.7	5.6	7.4	13.0	13.0
120°	9.3	9.3	3.7	1.9	1.9	1.9	1.9	3.7	9.3	14.8	16.7
122.5°	9.3	9.3	3.7	1.9	1.9	1.9	1.9	3.7	9.3	14.8	16.7
125°	11.1	9.3	5.6	1.9	1.9	1.9	1.9	1.9	7.4	13.0	14.8
127.5°	9.3	9.3	5.6	1.9	1.9	1.9	1.9	1.9	5.6	11.1	13.0
130°	9.3	9.3	5.6	1.9	1.9	1.9	1.9	1.9	5.6	9.3	9.3
132.5°	7.4	7.4	5.6	1.9	1.9	1.9	1.9	1.9	3.7	7.4	7.4
135°	7.4	7.4	3.7	1.9	1.9	1.9	1.9	1.9	1.9	5.6	5.6
137.5°	3.7	3.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
140°	0.0	1.9	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
142.5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
145°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	1.9	1.9	1.9	3.7	3.7	1.9	1.9	1.9	1.9	1.9	1.9
150°	5.6	5.6	5.6	3.7	3.7	1.9	3.7	1.9	1.9	1.9	1.9
152.5°	5.6	5.6	7.4	3.7	1.9	1.9	1.9	3.7	1.9	1.9	1.9
155°	3.7	3.7	3.7	1.9	1.9	1.9	1.9	1.9	3.7	3.7	5.6
157.5°	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
160°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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°	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8
2.5°	525.1	528.8	530.7	536.3	536.3	536.3	523.3	491.7	491.7	493.6	495.4
5°	517.7	521.4	528.8	502.9	476.9	475.0	484.3	489.9	491.7	493.6	489.9
7.5°	458.3	465.8	462.0	463.9	476.9	489.9	501.0	493.6	475.0	462.0	465.8
10°	408.2	415.7	374.8	378.5	393.4	430.5	491.7	512.1	525.1	530.7	530.7
12.5°	358.1	363.7	328.4	380.4	354.4	411.9	478.7	528.8	478.7	458.3	458.3
15°	410.1	421.2	378.5	337.7	345.1	417.5	367.4	504.7	519.6	523.3	527.0
17.5°	350.7	343.3	350.7	356.3	387.8	324.7	421.2	475.0	445.3	434.2	439.8
20°	441.6	449.1	410.1	350.7	354.4	413.8	374.8	424.9	506.6	508.4	512.1
22.5°	335.9	345.1	367.4	417.5	365.6	400.8	395.2	441.6	413.8	415.7	430.5
25°	493.6	501.0	462.0	373.0	399.0	361.8	399.0	393.4	463.9	467.6	467.6
27.5°	604.9	588.2	504.7	421.2	350.7	382.3	360.0	374.8	358.1	408.2	415.7
30°	720.0	720.0	655.0	469.5	371.1	324.7	328.4	356.3	397.1	404.5	404.5
32.5°	755.2	753.4	669.9	508.4	365.6	335.9	302.5	335.9	406.4	441.6	445.3
35°	805.3	797.9	695.9	495.4	352.6	306.2	285.8	337.7	389.7	395.2	391.5
37.5°	868.4	849.9	727.4	471.3	322.9	287.6	274.6	304.3	348.9	348.9	348.9
40°	946.4	916.7	738.5	437.9	291.3	263.5	250.5	282.1	311.7	295.0	289.5
42.5°	1052.1	1007.6	747.8	413.8	263.5	243.1	226.4	256.1	270.9	261.6	257.9
45°	1150.5	1083.7	762.7	387.8	241.2	224.5	209.7	235.7	246.8	237.5	235.7
47.5°	1267.4	1178.3	764.5	363.7	224.5	209.7	198.6	220.8	228.2	228.2	226.4
50°	1388.0	1269.2	779.4	343.3	207.8	194.8	193.0	209.7	215.3	211.5	209.7
52.5°	1525.3	1371.3	784.9	317.3	187.4	178.1	187.4	198.6	215.3	217.1	217.1
55°	1671.9	1465.9	781.2	282.1	172.6	168.9	181.8	206.0	220.8	209.7	207.8
57.5°	1814.8	1560.6	783.1	243.1	157.7	165.1	183.7	215.3	226.4	213.4	207.8
60°	1942.8	1645.9	757.1	207.8	146.6	155.9	191.1	224.5	220.8	224.5	219.0
62.5°	2100.6	1735.0	682.9	185.6	137.3	152.2	191.1	230.1	215.3	230.1	230.1
65°	2230.4	1801.8	577.1	167.0	129.9	152.2	193.0	232.0	209.7	233.8	233.8
67.5°	2286.1	1799.9	417.5	152.2	120.6	148.4	193.0	239.4	215.3	241.2	239.4
70°	2263.8	1738.7	295.0	141.0	115.0	150.3	200.4	244.9	220.8	256.1	254.2
72.5°	2113.5	1594.0	213.4	131.7	107.6	142.9	206.0	252.4	226.4	278.3	278.3
75°	1861.2	1332.3	172.6	122.5	100.2	141.0	207.8	256.1	230.1	282.1	282.1
77.5°	1423.3	957.5	144.7	113.2	92.8	137.3	206.0	261.6	228.2	282.1	282.1
80°	853.6	545.5	120.6	102.1	94.6	135.5	209.7	261.6	228.2	278.3	278.3
82.5°	393.4	250.5	107.6	85.4	89.1	133.6	213.4	257.9	219.0	278.3	267.2
85°	219.0	176.3	92.8	72.4	79.8	126.2	202.3	232.0	196.7	230.1	226.4
87.5°	163.3	137.3	59.4	37.1	52.0	89.1	155.9	183.7	148.4	178.1	176.3
90°	174.4	144.7	53.8	37.1	55.7	81.6	146.6	163.3	137.3	165.1	163.3
92.5°	187.4	152.2	53.8	39.0	63.1	89.1	146.6	159.6	135.5	150.3	152.2
95°	196.7	157.7	52.0	42.7	66.8	96.5	142.9	146.6	124.3	129.9	135.5
97.5°	154.0	118.8	46.4	44.5	64.9	77.9	116.9	115.0	85.4	79.8	79.8
100°	48.2	33.4	40.8	46.4	39.0	37.1	68.7	81.6	50.1	33.4	31.5
102.5°	14.8	13.0	37.1	44.5	29.7	16.7	37.1	52.0	37.1	5.6	7.4
105°	14.8	14.8	24.1	37.1	20.4	7.4	14.8	27.8	22.3	5.6	5.6
107.5°	14.8	13.0	9.3	20.4	7.4	5.6	7.4	7.4	7.4	5.6	5.6
110°	14.8	14.8	7.4	7.4	5.6	5.6	5.6	3.7	3.7	9.3	9.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.8	14.8	7.4	7.4	5.6	5.6	3.7	3.7	5.6	13.0	13.0
115°	13.0	13.0	7.4	5.6	3.7	5.6	3.7	3.7	5.6	14.8	14.8
117.5°	14.8	14.8	7.4	5.6	3.7	3.7	3.7	1.9	5.6	16.7	18.6
120°	18.6	16.7	9.3	3.7	3.7	3.7	3.7	3.7	7.4	14.8	16.7
122.5°	18.6	18.6	9.3	3.7	1.9	1.9	1.9	3.7	7.4	14.8	16.7
125°	16.7	16.7	9.3	3.7	1.9	1.9	1.9	1.9	7.4	13.0	13.0
127.5°	14.8	14.8	7.4	3.7	1.9	1.9	1.9	1.9	5.6	11.1	13.0
130°	11.1	11.1	5.6	3.7	1.9	1.9	1.9	1.9	5.6	9.3	11.1
132.5°	9.3	9.3	5.6	3.7	1.9	1.9	1.9	1.9	5.6	7.4	9.3
135°	5.6	5.6	3.7	1.9	1.9	1.9	1.9	1.9	3.7	5.6	7.4
137.5°	3.7	3.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	3.7
140°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
142.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
145°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
150°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	3.7	5.6	3.7
152.5°	1.9	1.9	1.9	3.7	1.9	0.0	0.0	3.7	3.7	5.6	5.6
155°	5.6	5.6	3.7	1.9	1.9	0.0	0.0	0.0	3.7	3.7	3.7
157.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	1.9	1.9	1.9
160°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9
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)