

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: P560630

Luminaire Tested: **SDL-PA1-50-827-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560630
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-PA1-50-827-U-T3-A
Description: Springdale
(1) 80 CRI, 2700K, 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: 4428 lumens
Efficiency: N/A
Efficacy: 84.5 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

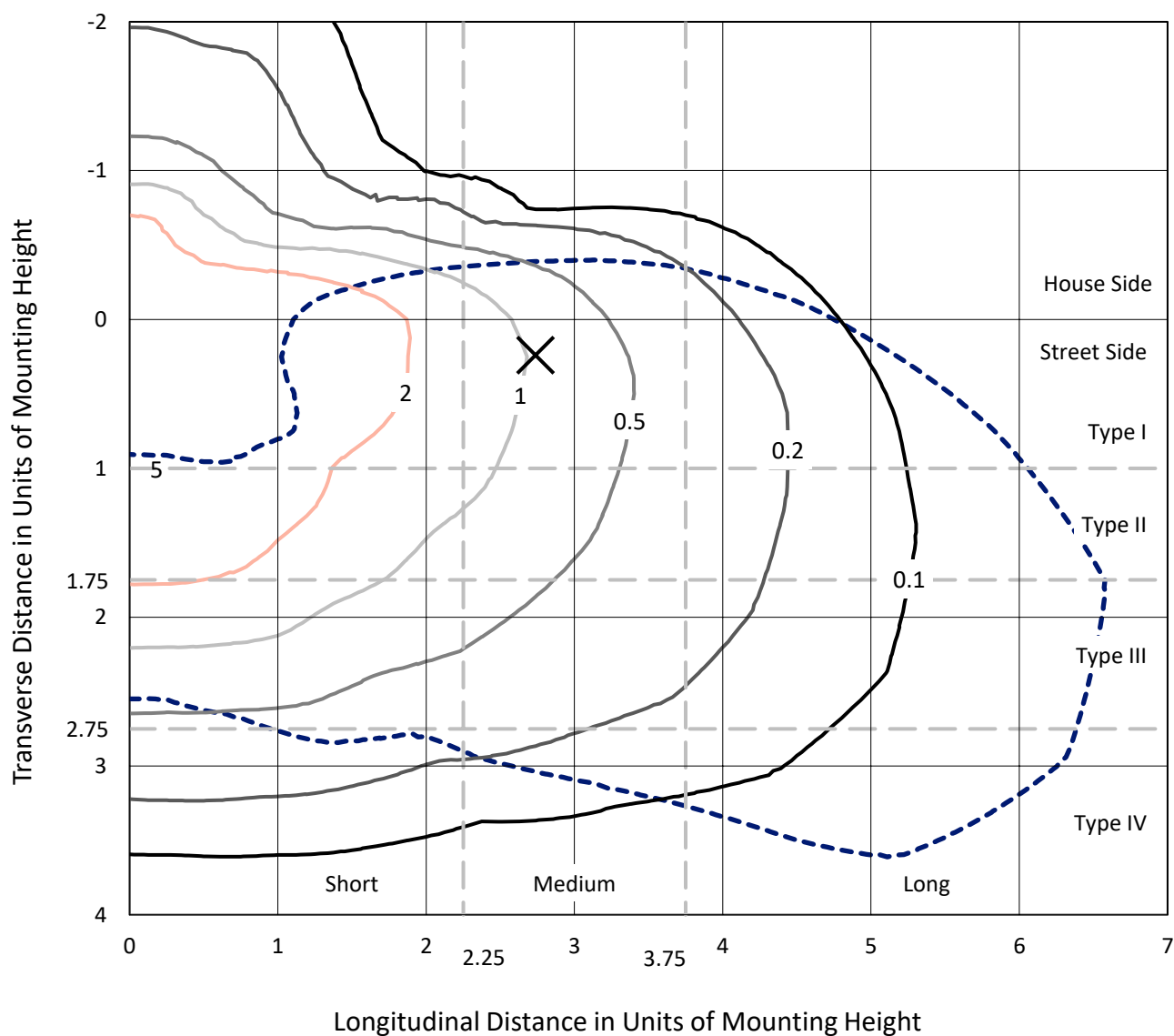


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

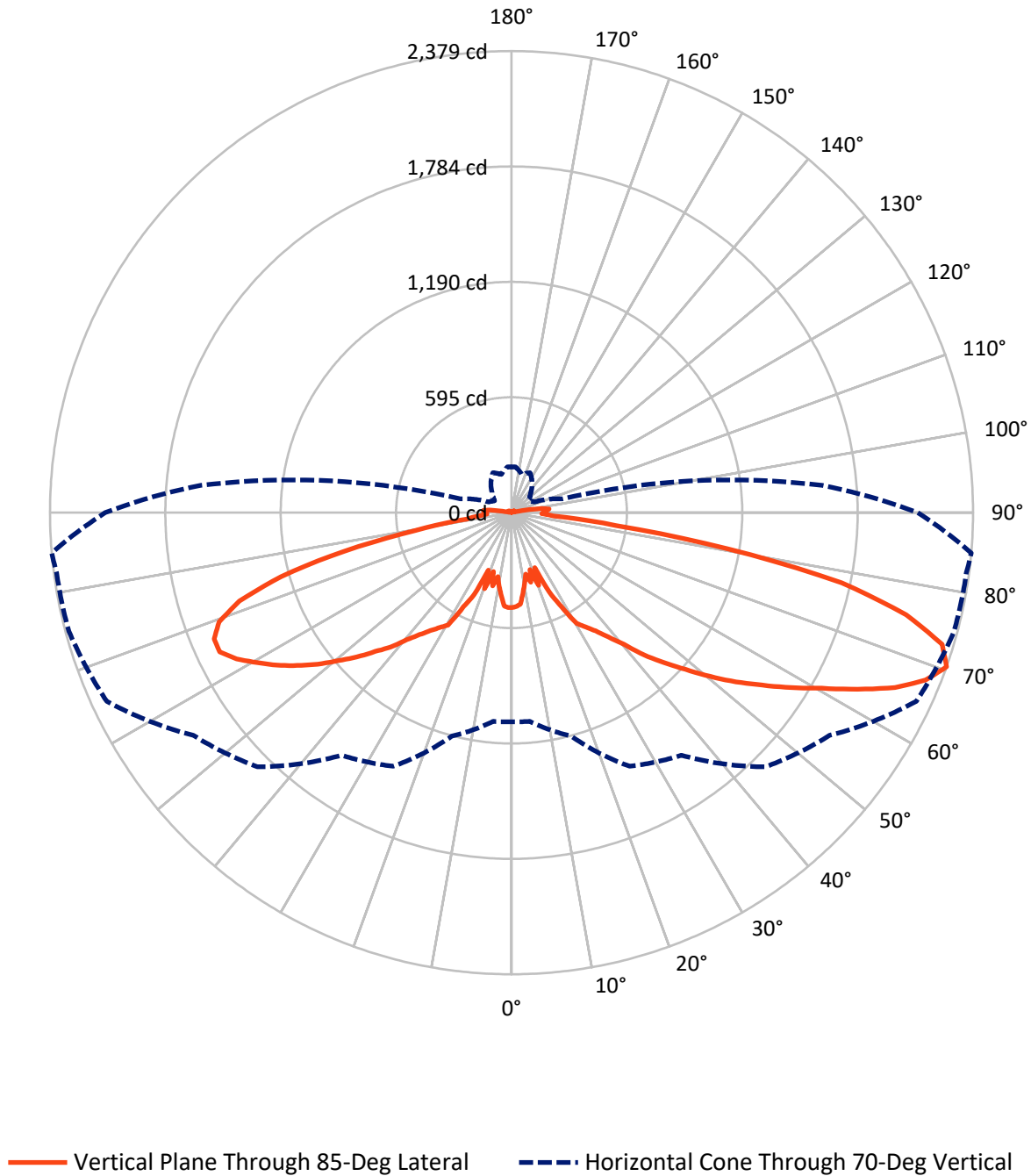


Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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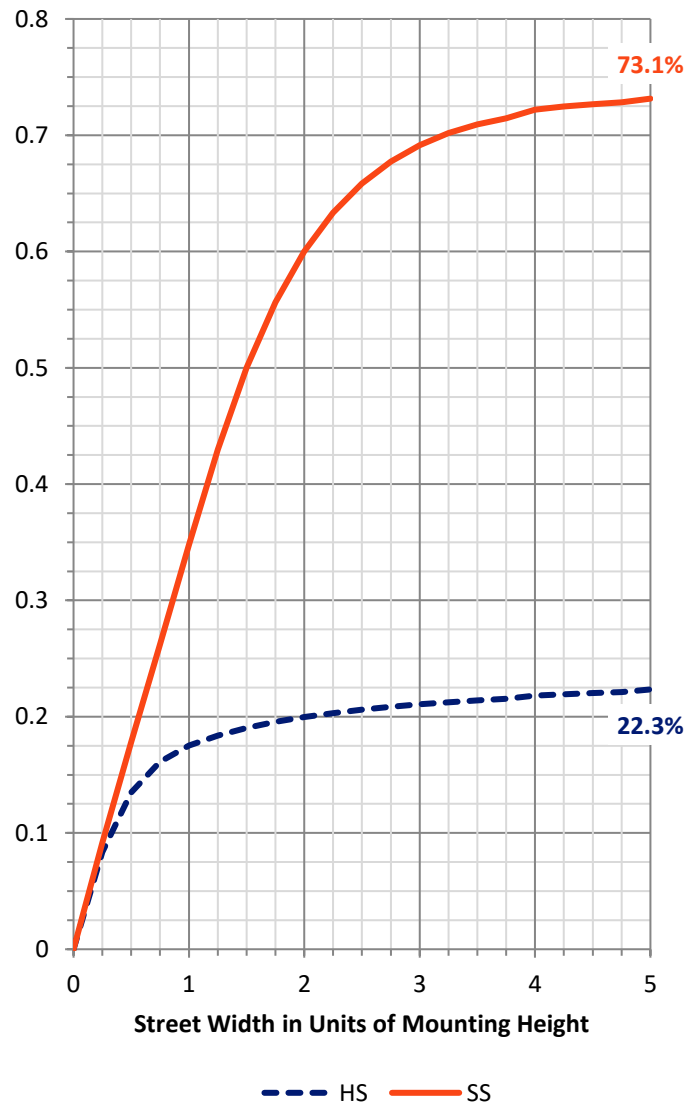
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1041.1	67.0	1108.1
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	3263.3	56.6	3319.9
	% Fixture	73.7	1.3	75.0
Total	Lumens	4304.3	123.6	4428.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	0.9
10°-20°	97.7	2.2
20°-30°	178.0	4.0
30°-40°	336.4	7.6
40°-50°	562.2	12.7
50°-60°	877.5	19.8
60°-70°	1088.2	24.6
70°-80°	889.1	20.1
80°-90°	235.3	5.3
90°-100°	89.3	2.0
100°-110°	19.0	0.4
110°-120°	6.1	0.1
120°-130°	4.8	0.1
130°-140°	2.3	0.1
140°-150°	1.1	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4304.3	97.2
0°-180°	4428.0	100.0

Coefficient of Utilization



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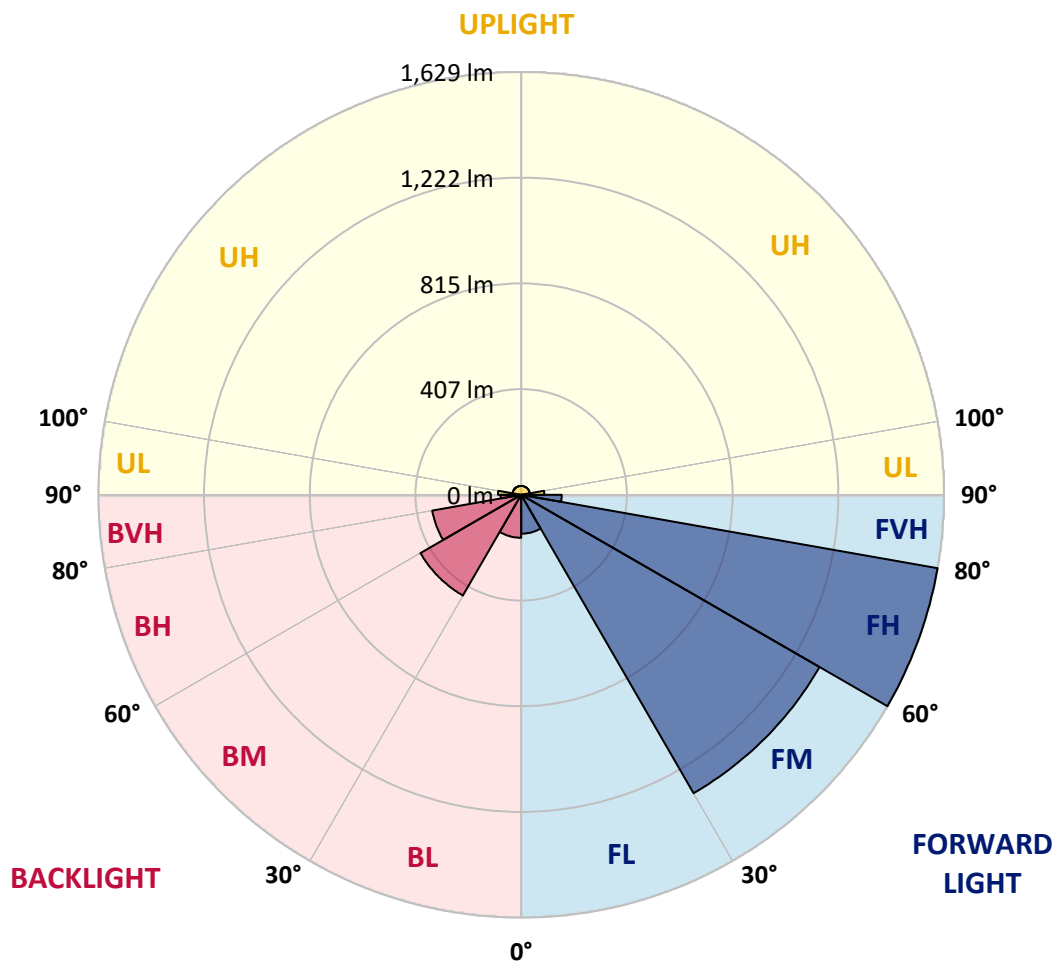
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	150.0	3.4			
FM	(30°-60°)	1327.7	30.0			
FH	(60°-80°)	1629.4	36.8			G1/1800
FVH	(80°-90°)	156.1	3.5			G2/225
BL	(0°-30°)	165.6	3.7	B1/500		
BM	(30°-60°)	448.4	10.1	B1/1000		
BH	(60°-80°)	347.9	7.9	B1/500		G1/500
BVH	(80°-90°)	79.2	1.8			G1/100
UL	(90°-100°)	89.3	2.0		U3/500	
UH	(100°-180°)	34.3	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°	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2
2.5°	405.1	444.6	437.7	449.8	456.6	466.9	473.8	477.2	480.7	484.1	484.1
5°	375.9	377.7	379.4	381.1	384.5	389.7	394.8	449.8	466.9	473.8	473.8
7.5°	343.3	341.6	348.5	357.1	369.1	375.9	381.1	382.8	401.7	417.1	420.6
10°	341.6	343.3	343.3	346.8	326.2	324.4	300.4	302.1	327.9	367.4	369.1
12.5°	297.0	305.6	324.4	338.2	317.6	285.0	279.8	293.5	274.7	322.7	324.4
15°	331.3	329.6	329.6	315.9	267.8	281.5	250.6	260.9	319.3	363.9	372.5
17.5°	288.4	285.0	319.3	309.0	278.1	235.2	281.5	278.1	288.4	314.1	309.0
20°	362.2	358.8	351.9	267.8	281.5	295.3	286.7	267.8	338.2	377.7	400.0
22.5°	338.2	341.6	358.8	339.9	290.1	303.8	271.2	329.6	319.3	303.8	307.3
25°	461.8	458.3	441.2	333.0	346.8	283.2	331.3	293.5	405.1	449.8	453.2
27.5°	425.7	420.6	408.6	418.9	351.9	370.8	322.7	384.5	448.0	527.0	551.0
30°	564.8	559.6	545.9	422.3	418.9	367.4	391.4	472.1	604.2	664.3	662.6
32.5°	727.8	690.1	606.0	540.7	448.0	477.2	448.0	556.2	643.7	702.1	702.1
35°	827.4	820.5	775.9	628.3	521.9	520.1	515.0	612.8	710.7	751.9	748.4
37.5°	911.5	923.5	890.9	727.8	588.8	602.5	576.8	690.1	793.1	817.1	813.7
40°	1028.3	1024.8	1007.7	813.7	671.2	669.5	650.6	782.8	884.1	901.2	892.6
42.5°	1201.6	1182.7	1131.2	928.7	758.7	758.7	724.4	870.3	995.6	997.4	1002.5
45°	1414.5	1405.9	1314.9	1107.2	872.0	870.3	813.7	963.0	1108.9	1117.5	1102.1
47.5°	1562.1	1536.4	1491.7	1270.3	1047.1	1007.7	921.8	1054.0	1244.5	1237.7	1206.8
50°	1708.0	1687.4	1646.2	1448.8	1229.1	1150.1	1023.1	1148.4	1375.0	1356.1	1326.9
52.5°	1833.3	1805.9	1761.2	1594.7	1388.7	1326.9	1139.8	1234.2	1507.2	1476.3	1448.8
55°	1905.4	1848.8	1852.2	1725.2	1508.9	1459.1	1270.3	1373.3	1635.9	1591.3	1569.0
57.5°	1816.2	1812.7	1869.4	1805.9	1618.8	1569.0	1409.3	1512.3	1769.8	1711.5	1701.2
60°	1726.9	1737.2	1817.9	1829.9	1704.6	1668.5	1529.5	1709.7	1900.3	1836.8	1836.8
62.5°	1603.3	1632.5	1745.8	1838.5	1713.2	1766.4	1654.8	1878.0	2042.8	1984.4	2003.3
65°	1462.6	1462.6	1593.0	1768.1	1685.7	1831.6	1793.9	2061.7	2168.1	2133.8	2173.2
67.5°	1270.3	1273.7	1409.3	1630.8	1635.9	1864.2	1905.4	2205.8	2298.5	2272.8	2302.0
70°	1078.0	1079.8	1193.0	1442.0	1526.1	1852.2	2001.6	2302.0	2362.1	2365.5	2379.2
72.5°	806.8	836.0	942.4	1170.7	1335.5	1802.4	2051.4	2329.4	2360.3	2365.5	2320.9
75°	434.3	448.0	566.5	762.2	992.2	1598.2	2035.9	2300.3	2277.9	2217.9	2101.1
77.5°	151.1	157.9	199.1	333.0	563.0	1131.2	1888.3	2173.2	2101.1	1912.3	1740.6
80°	97.8	97.8	108.1	159.6	255.8	535.6	1466.0	1862.5	1692.6	1289.2	1129.5
82.5°	68.7	70.4	79.0	106.4	164.8	230.0	762.2	945.9	932.1	642.0	540.7
85°	49.8	51.5	54.9	61.8	113.3	142.5	297.0	454.9	420.6	230.0	216.3
87.5°	22.3	25.7	22.3	27.5	44.6	87.5	142.5	140.8	133.9	152.8	156.2
90°	17.2	17.2	13.7	15.4	30.9	79.0	132.2	127.0	135.6	166.5	164.8
92.5°	17.2	17.2	13.7	15.4	29.2	79.0	139.0	123.6	140.8	178.5	180.2
95°	17.2	18.9	13.7	13.7	24.0	80.7	147.6	132.2	149.3	194.0	194.0
97.5°	15.4	15.4	10.3	12.0	18.9	73.8	147.6	113.3	109.9	156.2	154.5
100°	12.0	13.7	6.9	10.3	13.7	44.6	109.9	70.4	30.9	36.0	54.9
102.5°	12.0	12.0	6.9	8.6	10.3	18.9	58.4	41.2	8.6	12.0	12.0
105°	12.0	13.7	6.9	6.9	6.9	8.6	27.5	20.6	6.9	10.3	12.0
107.5°	13.7	13.7	5.1	5.1	5.1	5.1	10.3	8.6	6.9	12.0	13.7
110°	13.7	13.7	5.1	5.1	3.4	3.4	5.1	5.1	6.9	12.0	13.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	12.0	12.0	5.1	5.1	3.4	3.4	3.4	5.1	6.9	10.3	12.0
115°	8.6	8.6	3.4	5.1	3.4	3.4	3.4	5.1	5.1	8.6	10.3
117.5°	8.6	6.9	3.4	3.4	1.7	3.4	3.4	5.1	6.9	12.0	12.0
120°	8.6	8.6	3.4	1.7	1.7	1.7	1.7	3.4	8.6	13.7	15.4
122.5°	8.6	8.6	3.4	1.7	1.7	1.7	1.7	3.4	8.6	13.7	15.4
125°	10.3	8.6	5.1	1.7	1.7	1.7	1.7	1.7	6.9	12.0	13.7
127.5°	8.6	8.6	5.1	1.7	1.7	1.7	1.7	1.7	5.1	10.3	12.0
130°	8.6	8.6	5.1	1.7	1.7	1.7	1.7	1.7	5.1	8.6	8.6
132.5°	6.9	6.9	5.1	1.7	1.7	1.7	1.7	1.7	3.4	6.9	6.9
135°	6.9	6.9	3.4	1.7	1.7	1.7	1.7	1.7	1.7	5.1	5.1
137.5°	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
140°	0.0	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
142.5°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
145°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	1.7	1.7	1.7	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7
150°	5.1	5.1	5.1	3.4	3.4	1.7	3.4	1.7	1.7	1.7	1.7
152.5°	5.1	5.1	6.9	3.4	1.7	1.7	1.7	3.4	1.7	1.7	1.7
155°	3.4	3.4	3.4	1.7	1.7	1.7	1.7	1.7	3.4	3.4	5.1
157.5°	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
160°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2
2.5°	485.8	489.2	491.0	496.1	496.1	496.1	484.1	454.9	454.9	456.6	458.3
5°	478.9	482.4	489.2	465.2	441.2	439.5	448.0	453.2	454.9	456.6	453.2
7.5°	424.0	430.9	427.4	429.2	441.2	453.2	463.5	456.6	439.5	427.4	430.9
10°	377.7	384.5	346.8	350.2	363.9	398.3	454.9	473.8	485.8	491.0	491.0
12.5°	331.3	336.5	303.8	351.9	327.9	381.1	442.9	489.2	442.9	424.0	424.0
15°	379.4	389.7	350.2	312.4	319.3	386.2	339.9	466.9	480.7	484.1	487.5
17.5°	324.4	317.6	324.4	329.6	358.8	300.4	389.7	439.5	412.0	401.7	406.8
20°	408.6	415.4	379.4	324.4	327.9	382.8	346.8	393.1	468.6	470.4	473.8
22.5°	310.7	319.3	339.9	386.2	338.2	370.8	365.6	408.6	382.8	384.5	398.3
25°	456.6	463.5	427.4	345.0	369.1	334.7	369.1	363.9	429.2	432.6	432.6
27.5°	559.6	544.2	466.9	389.7	324.4	353.6	333.0	346.8	331.3	377.7	384.5
30°	666.0	666.0	606.0	434.3	343.3	300.4	303.8	329.6	367.4	374.2	374.2
32.5°	698.7	696.9	619.7	470.4	338.2	310.7	279.8	310.7	375.9	408.6	412.0
35°	745.0	738.1	643.7	458.3	326.2	283.2	264.4	312.4	360.5	365.6	362.2
37.5°	803.4	786.2	672.9	436.0	298.7	266.1	254.1	281.5	322.7	322.7	322.7
40°	875.5	848.0	683.2	405.1	269.5	243.8	231.7	260.9	288.4	272.9	267.8
42.5°	973.3	932.1	691.8	382.8	243.8	224.9	209.4	236.9	250.6	242.0	238.6
45°	1064.3	1002.5	705.5	358.8	223.2	207.7	194.0	218.0	228.3	219.7	218.0
47.5°	1172.4	1090.0	707.2	336.5	207.7	194.0	183.7	204.3	211.1	211.1	209.4
50°	1284.0	1174.2	721.0	317.6	192.3	180.2	178.5	194.0	199.1	195.7	194.0
52.5°	1411.1	1268.6	726.1	293.5	173.4	164.8	173.4	183.7	199.1	200.8	200.8
55°	1546.7	1356.1	722.7	260.9	159.6	156.2	168.2	190.5	204.3	194.0	192.3
57.5°	1678.8	1443.7	724.4	224.9	145.9	152.8	169.9	199.1	209.4	197.4	192.3
60°	1797.3	1522.6	700.4	192.3	135.6	144.2	176.8	207.7	204.3	207.7	202.6
62.5°	1943.2	1605.0	631.7	171.7	127.0	140.8	176.8	212.9	199.1	212.9	212.9
65°	2063.4	1666.8	533.9	154.5	120.2	140.8	178.5	214.6	194.0	216.3	216.3
67.5°	2114.9	1665.1	386.2	140.8	111.6	137.3	178.5	221.4	199.1	223.2	221.4
70°	2094.3	1608.5	272.9	130.5	106.4	139.0	185.4	226.6	204.3	236.9	235.2
72.5°	1955.2	1474.6	197.4	121.9	99.6	132.2	190.5	233.5	209.4	257.5	257.5
75°	1721.8	1232.5	159.6	113.3	92.7	130.5	192.3	236.9	212.9	260.9	260.9
77.5°	1316.6	885.8	133.9	104.7	85.8	127.0	190.5	242.0	211.1	260.9	260.9
80°	789.6	504.7	111.6	94.4	87.5	125.3	194.0	242.0	211.1	257.5	257.5
82.5°	363.9	231.7	99.6	79.0	82.4	123.6	197.4	238.6	202.6	257.5	247.2
85°	202.6	163.1	85.8	66.9	73.8	116.7	187.1	214.6	182.0	212.9	209.4
87.5°	151.1	127.0	54.9	34.3	48.1	82.4	144.2	169.9	137.3	164.8	163.1
90°	161.4	133.9	49.8	34.3	51.5	75.5	135.6	151.1	127.0	152.8	151.1
92.5°	173.4	140.8	49.8	36.0	58.4	82.4	135.6	147.6	125.3	139.0	140.8
95°	182.0	145.9	48.1	39.5	61.8	89.3	132.2	135.6	115.0	120.2	125.3
97.5°	142.5	109.9	42.9	41.2	60.1	72.1	108.1	106.4	79.0	73.8	73.8
100°	44.6	30.9	37.8	42.9	36.0	34.3	63.5	75.5	46.3	30.9	29.2
102.5°	13.7	12.0	34.3	41.2	27.5	15.4	34.3	48.1	34.3	5.1	6.9
105°	13.7	13.7	22.3	34.3	18.9	6.9	13.7	25.7	20.6	5.1	5.1
107.5°	13.7	12.0	8.6	18.9	6.9	5.1	6.9	6.9	6.9	5.1	5.1
110°	13.7	13.7	6.9	6.9	5.1	5.1	5.1	3.4	3.4	8.6	8.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.7	13.7	6.9	6.9	5.1	5.1	3.4	3.4	5.1	12.0	12.0
115°	12.0	12.0	6.9	5.1	3.4	5.1	3.4	3.4	5.1	13.7	13.7
117.5°	13.7	13.7	6.9	5.1	3.4	3.4	3.4	1.7	5.1	15.4	17.2
120°	17.2	15.4	8.6	3.4	3.4	3.4	3.4	3.4	6.9	13.7	15.4
122.5°	17.2	17.2	8.6	3.4	1.7	1.7	1.7	3.4	6.9	13.7	15.4
125°	15.4	15.4	8.6	3.4	1.7	1.7	1.7	1.7	6.9	12.0	12.0
127.5°	13.7	13.7	6.9	3.4	1.7	1.7	1.7	1.7	5.1	10.3	12.0
130°	10.3	10.3	5.1	3.4	1.7	1.7	1.7	1.7	5.1	8.6	10.3
132.5°	8.6	8.6	5.1	3.4	1.7	1.7	1.7	1.7	5.1	6.9	8.6
135°	5.1	5.1	3.4	1.7	1.7	1.7	1.7	1.7	3.4	5.1	6.9
137.5°	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4
140°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
142.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
145°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
150°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	5.1	3.4
152.5°	1.7	1.7	1.7	3.4	1.7	0.0	0.0	3.4	3.4	5.1	5.1
155°	5.1	5.1	3.4	1.7	1.7	0.0	0.0	0.0	3.4	3.4	3.4
157.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	1.7	1.7	1.7
160°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7
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)