

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: P560468

Luminaire Tested: **SDL-PA1-40-830-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-830-U-T2R-A
Description: Springdale
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3230.2 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U2 - G1

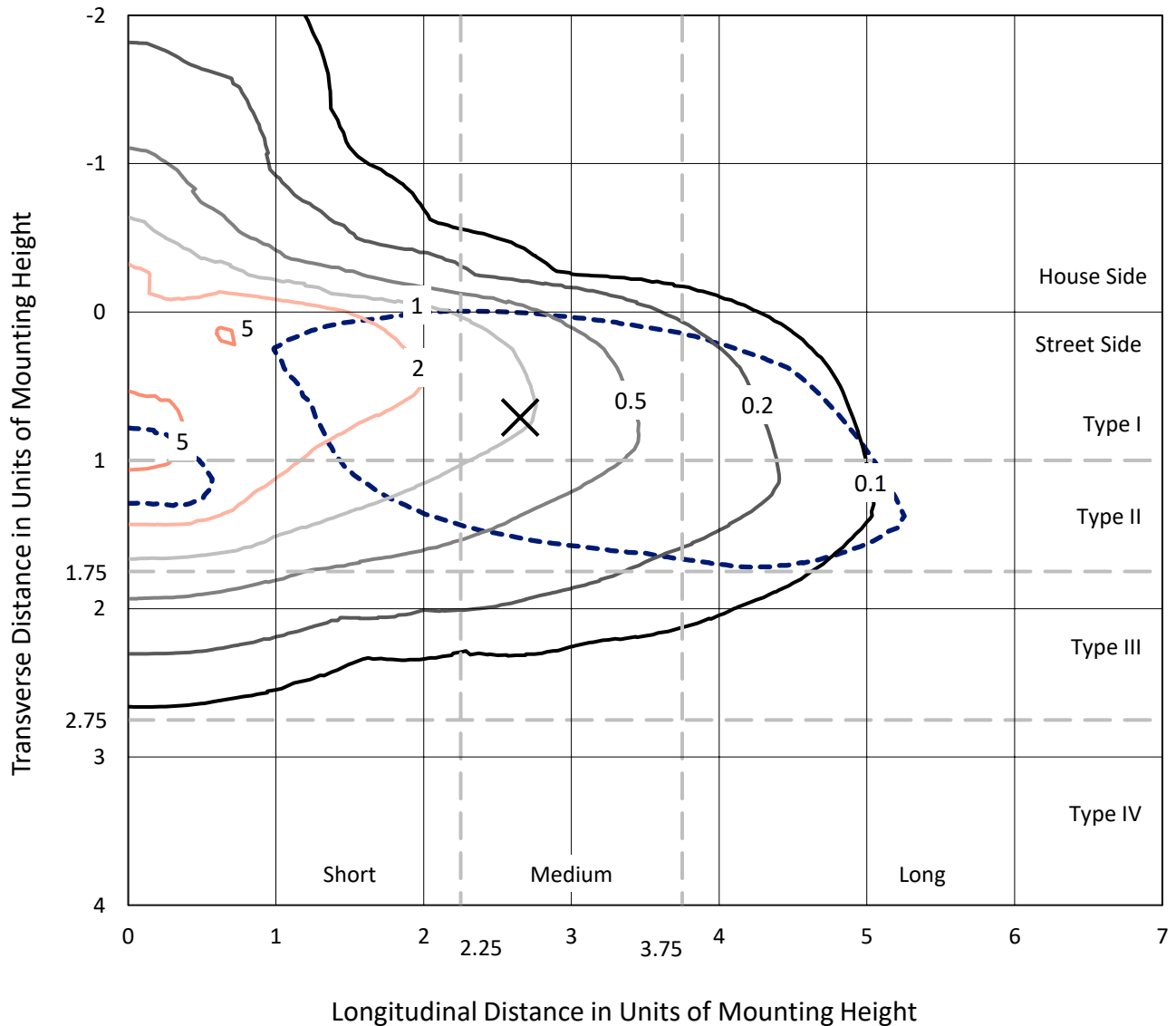
Input Watts (W): 39.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

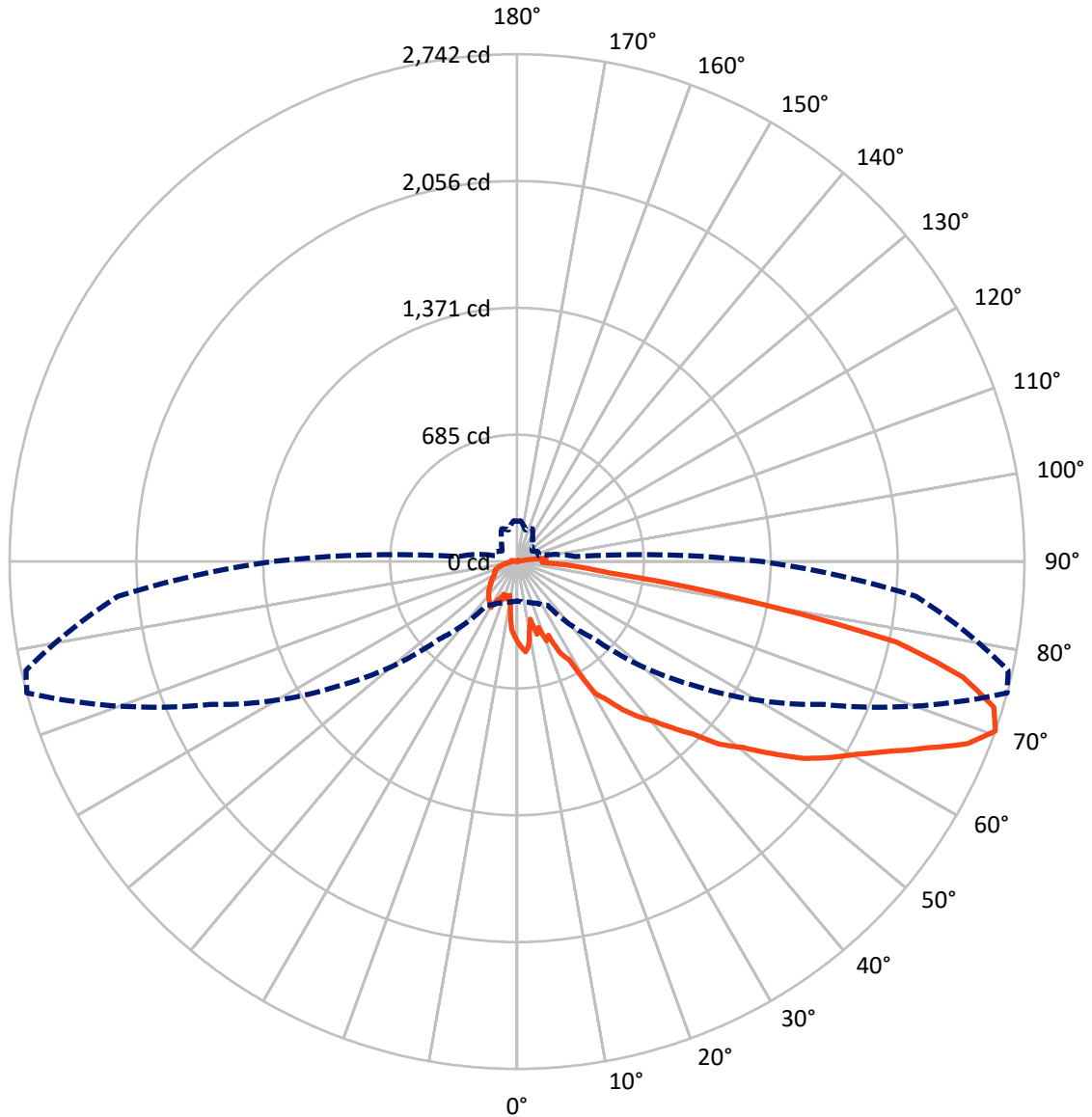
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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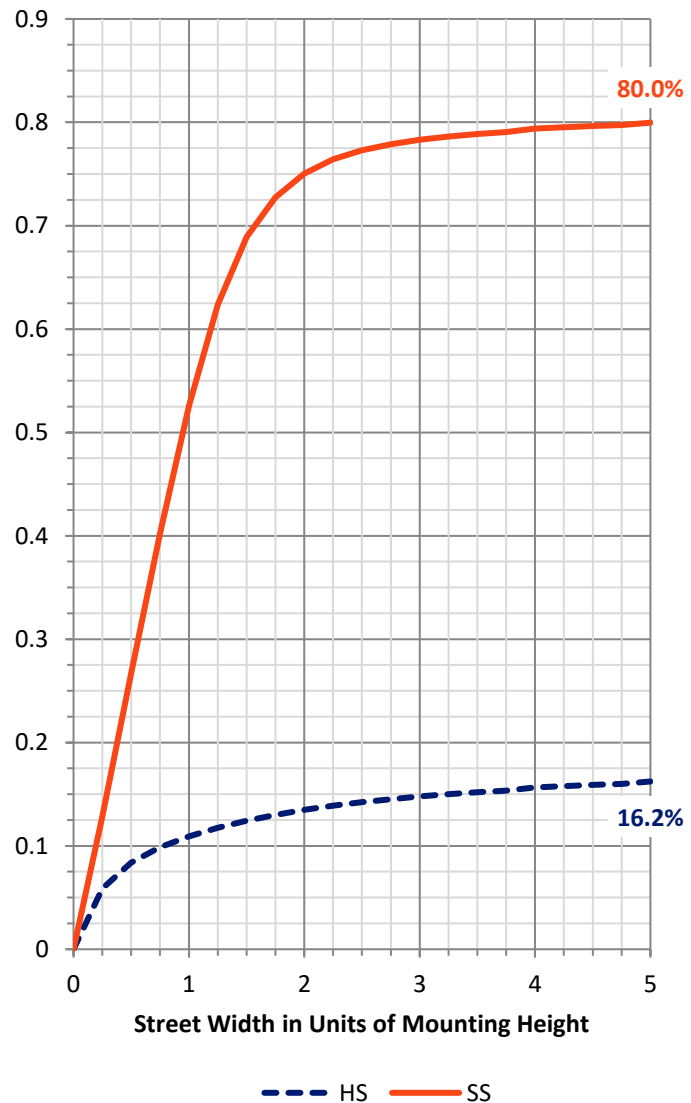
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	552.2	33.0	585.2
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	2603.2	41.8	2644.9
	% Fixture	80.6	1.3	81.9
Total	Lumens	3155.4	74.8	3230.2
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	1.1
10°-20°	94.2	2.9
20°-30°	170.1	5.3
30°-40°	347.6	10.8
40°-50°	545.8	16.9
50°-60°	670.2	20.7
60°-70°	666.6	20.6
70°-80°	493.0	15.3
80°-90°	131.7	4.1
90°-100°	48.7	1.5
100°-110°	11.4	0.4
110°-120°	5.4	0.2
120°-130°	4.8	0.1
130°-140°	2.3	0.1
140°-150°	1.2	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3155.4	97.7
0°-180°	3230.2	100.0

Coefficient of Utilization



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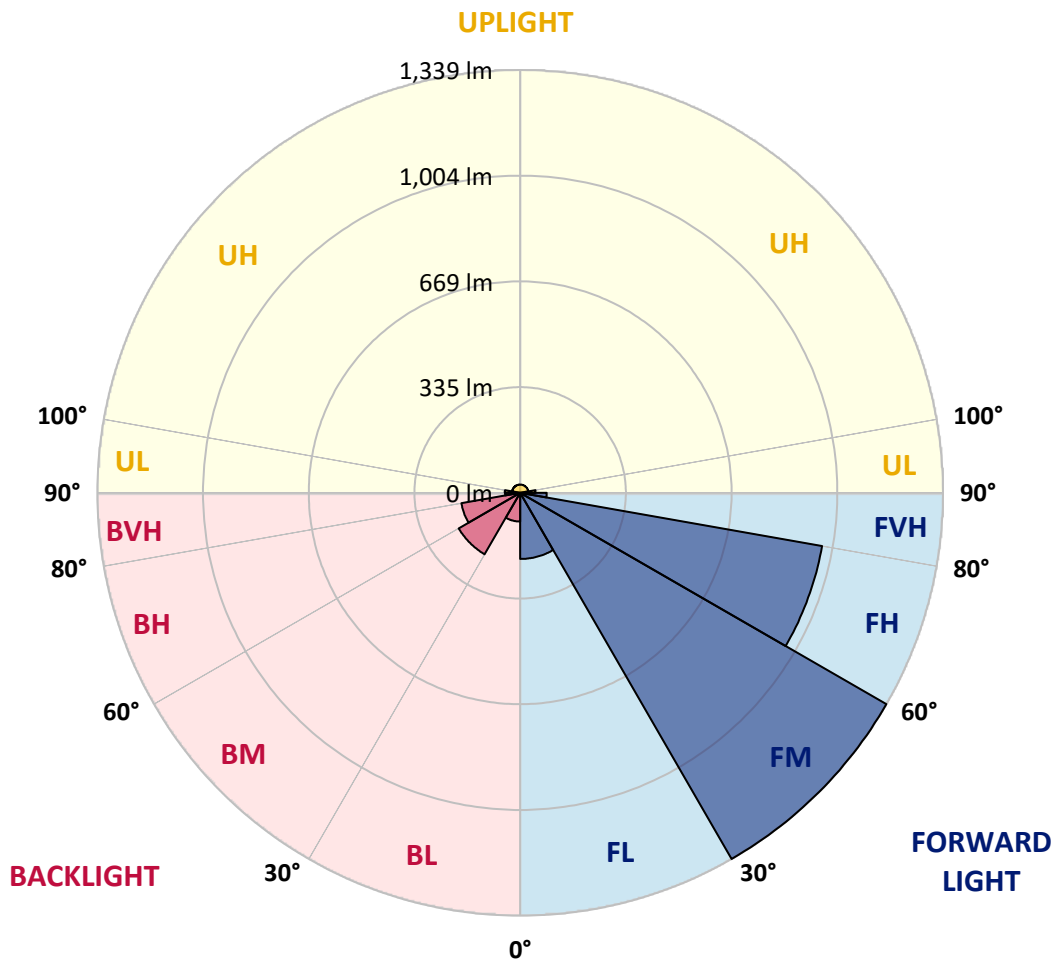
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	209.4	6.5			
FM (30°-60°)	1339.0	41.5			
FH (60°-80°)	970.8	30.1			G1/1800
FVH (80°-90°)	84.1	2.6			G1/100
BL (0°-30°)	91.0	2.8	B0/110		
BM (30°-60°)	224.7	7.0	B1/1000		
BH (60°-80°)	188.9	5.8	B1/500		G1/500
BVH (80°-90°)	47.6	1.5			G1/100
UL (90°-100°)	48.7	1.5		U2/50	
UH (100°-180°)	26.1	0.8		U2/50	

BUG Rating: B1-U2-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0
2.5°	449.4	474.6	486.0	498.6	510.0	503.7	493.6	478.4	464.5	459.5	444.3
5°	496.1	493.6	492.3	488.5	482.2	470.8	457.0	511.2	489.8	480.9	455.7
7.5°	436.8	506.2	513.8	521.3	518.8	504.9	487.2	438.0	457.0	445.6	414.0
10°	534.0	534.0	531.4	534.0	504.9	482.2	412.8	383.7	369.9	400.1	371.1
12.5°	454.4	494.8	545.3	555.4	511.2	448.1	419.1	405.2	319.4	315.6	338.3
15°	528.9	535.2	536.5	539.0	435.5	469.6	387.5	359.8	407.7	396.4	400.1
17.5°	425.4	431.7	513.8	508.7	468.3	374.9	453.2	406.5	374.9	361.0	356.0
20°	535.2	536.5	532.7	430.4	451.9	489.8	424.1	411.5	457.0	455.7	436.8
22.5°	455.7	457.0	470.8	518.8	467.1	494.8	426.7	513.8	433.0	434.2	337.0
25°	609.7	611.0	598.3	462.0	525.1	464.5	517.5	462.0	552.9	535.2	493.6
27.5°	640.0	593.3	545.3	573.1	501.1	576.9	492.3	559.2	600.9	597.1	603.4
30°	811.7	814.2	781.4	627.4	587.0	569.3	568.0	664.0	823.0	829.3	724.6
32.5°	1099.5	1084.3	922.7	773.8	632.4	694.3	637.5	768.7	889.9	886.1	776.3
35°	1230.7	1215.6	1155.0	955.6	730.9	749.8	719.5	818.0	982.1	953.0	828.1
37.5°	1341.8	1339.3	1288.8	1052.8	830.6	858.4	768.7	878.6	1061.6	1031.3	881.1
40°	1437.8	1428.9	1384.7	1139.9	932.8	934.1	830.6	951.8	1132.3	1139.9	932.8
42.5°	1517.3	1509.7	1473.1	1227.0	993.4	1001.0	896.2	1026.2	1227.0	1240.8	1013.6
45°	1550.1	1553.9	1528.6	1305.2	1047.7	1061.6	974.5	1102.0	1327.9	1339.3	1085.6
47.5°	1574.1	1575.3	1569.0	1369.6	1105.8	1112.1	1051.5	1170.2	1474.4	1451.6	1170.2
50°	1519.8	1514.8	1521.1	1418.8	1156.3	1163.8	1115.9	1240.8	1579.1	1550.1	1258.5
52.5°	1377.2	1383.5	1449.1	1393.6	1172.7	1187.8	1176.5	1302.7	1724.3	1701.6	1384.7
55°	1018.7	1046.4	1235.8	1290.1	1171.4	1197.9	1232.0	1420.1	1877.0	1843.0	1492.0
57.5°	824.3	824.3	935.4	1113.3	1107.0	1191.6	1288.8	1499.6	1998.2	1974.2	1599.3
60°	661.4	661.4	722.0	883.6	982.1	1160.1	1346.9	1617.0	2113.1	2099.2	1694.0
62.5°	518.8	517.5	568.0	658.9	805.3	1090.6	1377.2	1718.0	2257.0	2254.5	1845.5
65°	374.9	380.0	422.9	479.7	632.4	960.6	1375.9	1808.9	2429.9	2437.5	2015.9
67.5°	277.7	280.2	304.2	345.9	434.2	796.5	1315.3	1872.0	2625.6	2613.0	2124.4
70°	213.3	217.1	227.2	248.7	289.1	592.0	1168.9	1827.8	2741.7	2717.7	2164.8
72.5°	179.2	180.5	179.2	190.6	193.1	401.4	936.6	1659.9	2693.7	2655.9	2053.8
75°	152.7	151.5	150.2	152.7	142.6	265.1	671.5	1404.9	2486.7	2421.1	1813.9
77.5°	131.3	130.0	125.0	126.2	113.6	195.7	458.2	1102.0	2095.4	1941.4	1363.3
80°	108.6	108.6	104.8	104.8	95.9	149.0	292.9	759.9	1220.6	1098.2	709.4
82.5°	84.6	83.3	83.3	85.8	82.0	116.1	191.9	378.7	503.7	472.1	332.0
85°	45.4	45.4	51.8	58.1	56.8	70.7	146.4	223.4	297.9	287.8	185.6
87.5°	13.9	13.9	15.1	18.9	20.2	37.9	92.1	108.6	135.1	149.0	146.4
90°	15.1	13.9	10.1	11.4	12.6	27.8	85.8	104.8	136.3	151.5	155.3
92.5°	17.7	16.4	10.1	10.1	12.6	22.7	82.0	102.2	149.0	164.1	167.9
95°	18.9	17.7	10.1	10.1	12.6	20.2	73.2	101.0	159.0	179.2	179.2
97.5°	17.7	16.4	7.6	8.8	11.4	17.7	56.8	83.3	111.1	122.4	141.4
100°	15.1	15.1	5.0	7.6	10.1	12.6	32.8	45.4	32.8	31.6	31.6
102.5°	13.9	13.9	5.0	6.3	7.6	8.8	15.1	24.0	7.6	8.8	11.4
105°	13.9	15.1	3.8	5.0	5.0	5.0	7.6	12.6	6.3	7.6	11.4
107.5°	13.9	15.1	3.8	3.8	5.0	3.8	3.8	5.0	6.3	7.6	12.6
110°	12.6	12.6	2.5	3.8	3.8	3.8	2.5	3.8	6.3	8.8	12.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	8.8	8.8	2.5	3.8	3.8	3.8	2.5	3.8	6.3	8.8	12.6
115°	6.3	5.0	2.5	3.8	2.5	3.8	2.5	3.8	6.3	8.8	11.4
117.5°	5.0	3.8	2.5	2.5	2.5	2.5	1.3	3.8	7.6	10.1	13.9
120°	5.0	5.0	2.5	2.5	2.5	2.5	1.3	3.8	11.4	12.6	17.7
122.5°	5.0	5.0	2.5	2.5	2.5	2.5	1.3	2.5	10.1	13.9	18.9
125°	5.0	5.0	2.5	2.5	2.5	2.5	1.3	2.5	8.8	12.6	16.4
127.5°	5.0	5.0	2.5	1.3	2.5	2.5	2.5	2.5	7.6	10.1	13.9
130°	5.0	5.0	2.5	1.3	2.5	2.5	2.5	2.5	6.3	7.6	11.4
132.5°	3.8	3.8	2.5	1.3	2.5	1.3	1.3	2.5	5.0	6.3	8.8
135°	2.5	2.5	2.5	1.3	2.5	1.3	1.3	1.3	2.5	3.8	6.3
137.5°	1.3	2.5	1.3	1.3	2.5	1.3	1.3	1.3	1.3	1.3	2.5
140°	1.3	1.3	1.3	1.3	2.5	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	1.3	1.3	1.3	1.3	2.5	2.5	1.3	1.3	1.3	1.3	1.3
145°	1.3	1.3	1.3	1.3	3.8	2.5	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	5.0	3.8	2.5	1.3	1.3	1.3	1.3	1.3
150°	6.3	6.3	6.3	5.0	3.8	2.5	3.8	1.3	1.3	1.3	1.3
152.5°	6.3	6.3	7.6	3.8	2.5	1.3	1.3	5.0	3.8	2.5	2.5
155°	5.0	3.8	3.8	1.3	1.3	1.3	1.3	1.3	3.8	5.0	5.0
157.5°	1.3	1.3	2.5	1.3	1.3	1.3	1.3	1.3	2.5	1.3	1.3
160°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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°	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0
2.5°	435.5	425.4	401.4	383.7	362.3	343.3	326.9	290.3	284.0	280.2	279.0
5°	435.5	414.0	367.3	310.5	266.3	256.2	251.2	251.2	248.7	249.9	251.2
7.5°	386.3	357.2	286.5	242.4	249.9	249.9	251.2	244.9	224.7	227.2	223.4
10°	338.3	301.7	215.9	196.9	215.9	217.1	246.1	257.5	261.3	262.6	262.6
12.5°	311.8	260.0	186.8	193.1	174.2	199.4	234.8	262.6	238.6	226.0	226.0
15°	358.5	308.0	209.5	169.1	171.7	199.4	178.0	248.7	257.5	260.0	260.0
17.5°	321.9	271.4	191.9	174.2	191.9	164.1	200.7	228.5	218.4	207.0	205.8
20°	386.3	320.6	214.6	170.4	169.1	194.4	178.0	186.8	233.5	234.8	233.5
22.5°	300.4	256.2	190.6	193.1	169.1	185.6	175.5	193.1	184.3	183.0	184.3
25°	416.6	332.0	219.6	166.6	176.7	164.1	176.7	162.8	195.7	198.2	199.4
27.5°	510.0	396.4	233.5	180.5	154.0	167.9	157.8	162.8	151.5	157.8	160.3
30°	607.2	462.0	285.3	199.4	162.8	143.9	146.4	145.2	164.1	162.8	160.3
32.5°	638.7	470.8	272.7	208.3	161.6	145.2	133.8	142.6	156.5	167.9	169.1
35°	670.3	477.1	262.6	199.4	157.8	136.3	131.3	146.4	157.8	159.0	162.8
37.5°	706.9	482.2	252.5	186.8	146.4	133.8	130.0	136.3	161.6	159.0	155.3
40°	741.0	484.7	239.8	175.5	133.8	131.3	121.2	136.3	142.6	147.7	150.2
42.5°	801.6	499.9	229.7	165.4	125.0	125.0	116.1	127.5	146.4	149.0	147.7
45°	845.7	494.8	215.9	156.5	116.1	111.1	113.6	138.9	147.7	162.8	160.3
47.5°	908.9	507.4	199.4	142.6	108.6	102.2	107.3	135.1	151.5	162.8	165.4
50°	970.7	504.9	185.6	131.3	103.5	97.2	118.7	131.3	149.0	167.9	167.9
52.5°	1051.5	508.7	179.2	121.2	97.2	97.2	122.4	132.5	152.7	165.4	165.4
55°	1123.4	494.8	164.1	117.4	95.9	93.4	123.7	137.6	154.0	165.4	166.6
57.5°	1176.5	467.1	152.7	113.6	94.7	95.9	123.7	149.0	143.9	165.4	169.1
60°	1234.5	436.8	142.6	113.6	94.7	99.7	127.5	157.8	157.8	172.9	172.9
62.5°	1314.1	417.8	137.6	114.9	92.1	103.5	138.9	171.7	159.0	183.0	184.3
65°	1381.0	392.6	133.8	119.9	93.4	108.6	145.2	183.0	166.6	194.4	193.1
67.5°	1382.2	354.7	128.8	125.0	94.7	112.3	145.2	190.6	175.5	204.5	200.7
70°	1321.6	316.8	121.2	125.0	98.5	116.1	145.2	195.7	176.7	220.9	217.1
72.5°	1191.6	258.8	109.8	119.9	104.8	121.2	152.7	194.4	176.7	238.6	234.8
75°	1013.6	207.0	94.7	109.8	104.8	127.5	157.8	193.1	170.4	227.2	219.6
77.5°	771.3	169.1	79.5	95.9	99.7	130.0	157.8	190.6	165.4	212.1	207.0
80°	397.6	118.7	64.4	82.0	93.4	127.5	156.5	180.5	147.7	188.1	185.6
82.5°	218.4	87.1	51.8	60.6	78.3	119.9	151.5	162.8	130.0	154.0	147.7
85°	141.4	63.1	41.7	49.2	65.6	99.7	127.5	128.8	92.1	111.1	104.8
87.5°	106.0	36.6	26.5	30.3	45.4	55.5	80.8	83.3	58.1	68.2	64.4
90°	111.1	36.6	27.8	31.6	40.4	41.7	59.3	63.1	45.4	51.8	51.8
92.5°	118.7	36.6	29.0	32.8	36.6	32.8	46.7	51.8	37.9	41.7	40.4
95°	121.2	35.3	31.6	34.1	32.8	26.5	37.9	41.7	31.6	31.6	31.6
97.5°	88.4	25.2	31.6	34.1	30.3	21.5	29.0	32.8	20.2	16.4	16.4
100°	24.0	12.6	30.3	32.8	26.5	17.7	25.2	25.2	12.6	8.8	8.8
102.5°	10.1	10.1	26.5	29.0	20.2	11.4	17.7	17.7	8.8	3.8	3.8
105°	10.1	7.6	18.9	21.5	13.9	6.3	8.8	10.1	6.3	3.8	3.8
107.5°	10.1	7.6	8.8	11.4	6.3	5.0	5.0	5.0	3.8	3.8	3.8
110°	11.4	7.6	5.0	6.3	5.0	3.8	3.8	3.8	3.8	5.0	6.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.6	8.8	5.0	6.3	5.0	3.8	3.8	3.8	5.0	11.4	11.4
115°	11.4	7.6	5.0	5.0	3.8	3.8	2.5	2.5	5.0	13.9	13.9
117.5°	12.6	8.8	5.0	5.0	3.8	2.5	2.5	2.5	6.3	16.4	16.4
120°	15.1	10.1	5.0	3.8	2.5	2.5	2.5	2.5	7.6	17.7	17.7
122.5°	16.4	11.4	5.0	3.8	2.5	1.3	2.5	3.8	8.8	17.7	17.7
125°	13.9	10.1	5.0	3.8	2.5	1.3	2.5	3.8	8.8	16.4	17.7
127.5°	12.6	8.8	5.0	2.5	2.5	1.3	1.3	3.8	7.6	12.6	15.1
130°	10.1	7.6	3.8	2.5	2.5	1.3	1.3	2.5	7.6	11.4	13.9
132.5°	8.8	6.3	3.8	2.5	2.5	1.3	1.3	2.5	7.6	10.1	10.1
135°	6.3	5.0	2.5	2.5	2.5	1.3	2.5	1.3	5.0	8.8	8.8
137.5°	3.8	2.5	2.5	2.5	2.5	1.3	1.3	1.3	3.8	5.0	5.0
140°	1.3	1.3	2.5	2.5	2.5	1.3	1.3	1.3	2.5	2.5	2.5
142.5°	1.3	1.3	2.5	2.5	2.5	1.3	1.3	1.3	2.5	2.5	2.5
145°	1.3	1.3	1.3	2.5	2.5	1.3	1.3	1.3	1.3	1.3	2.5
147.5°	1.3	1.3	1.3	2.5	1.3	1.3	1.3	1.3	1.3	1.3	2.5
150°	1.3	1.3	1.3	2.5	2.5	1.3	1.3	2.5	2.5	2.5	2.5
152.5°	1.3	1.3	2.5	2.5	1.3	1.3	1.3	2.5	2.5	2.5	2.5
155°	3.8	3.8	2.5	2.5	1.3	1.3	0.0	1.3	2.5	2.5	2.5
157.5°	1.3	1.3	2.5	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
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)