

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: P560157

Luminaire Tested: **SDL-PA1-30-727-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-727-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2497 lumens
Efficiency: N/A
Efficacy: 83.0 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: B0 - U2 - G1

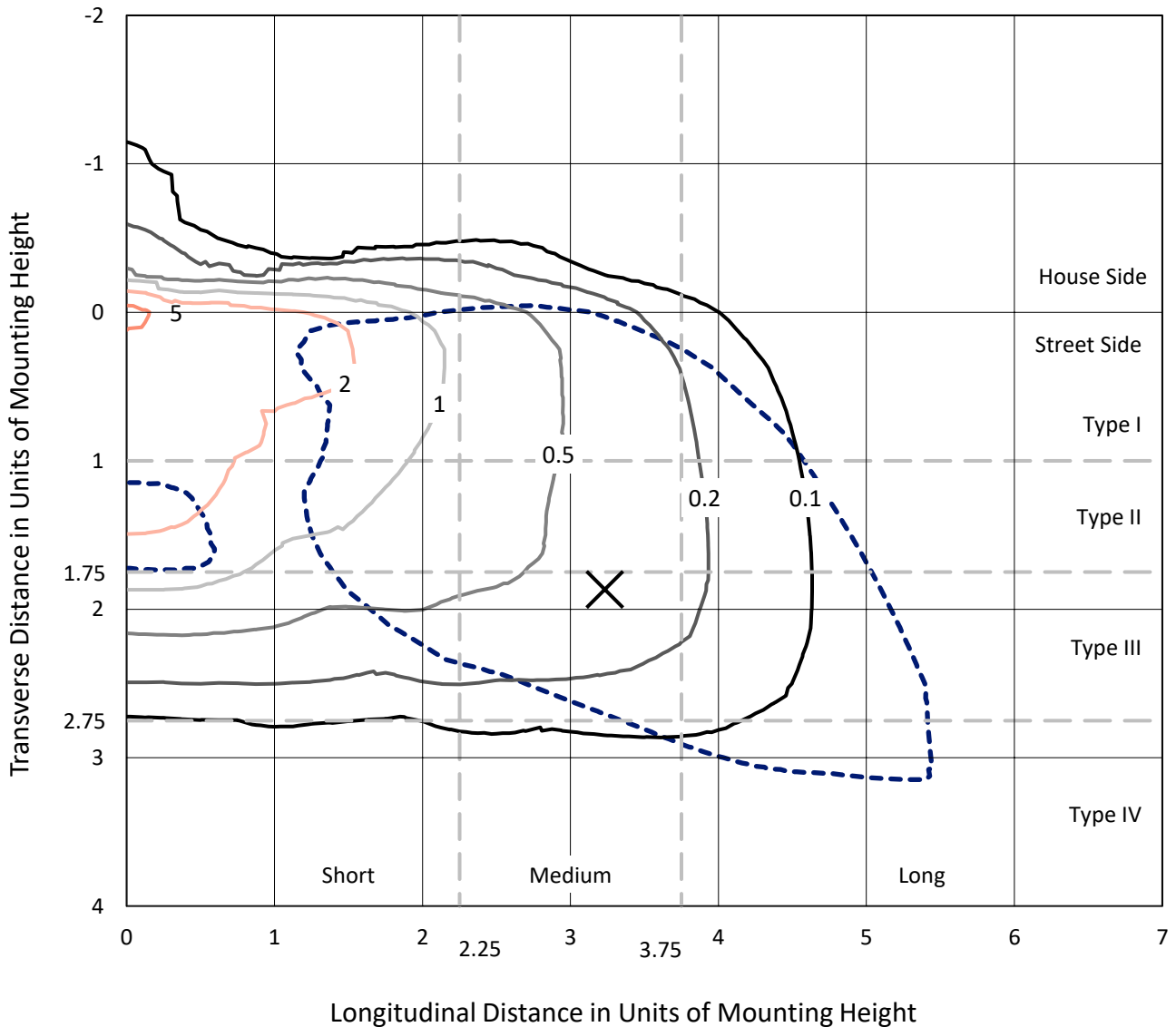
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

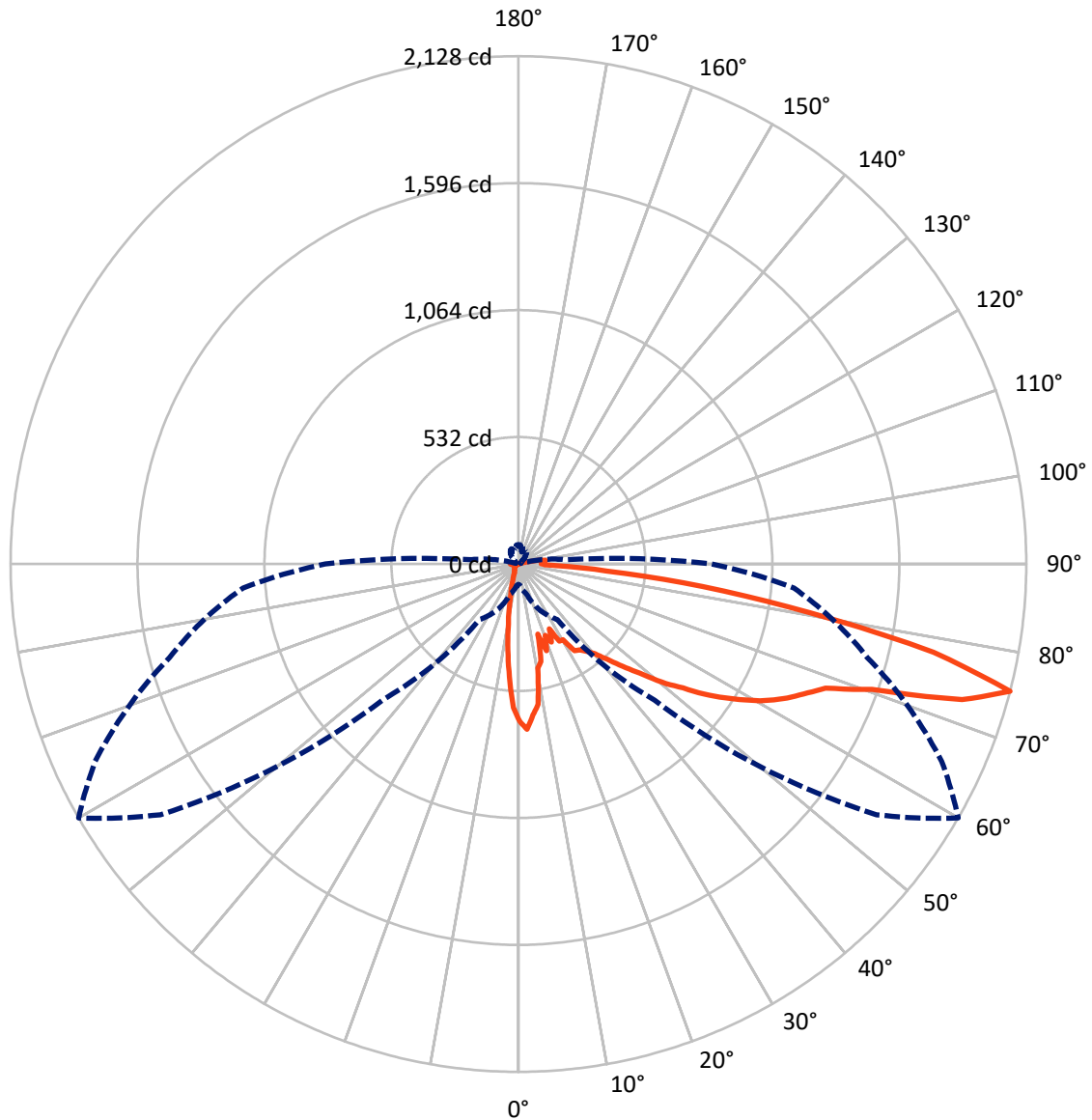
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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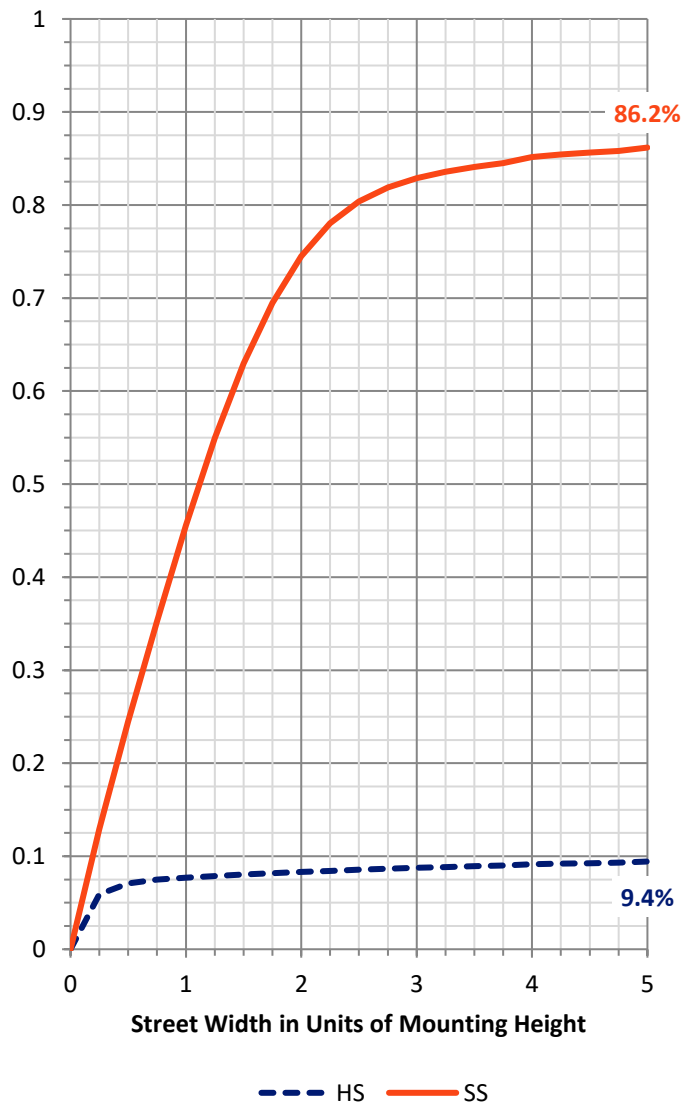
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	258.0	33.7	291.7
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	2170.1	35.2	2205.3
	% Fixture	86.9	1.4	88.3
Total	Lumens	2428.1	68.9	2497.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	1.8
10°-20°	75.1	3.0
20°-30°	106.2	4.3
30°-40°	190.9	7.6
40°-50°	321.7	12.9
50°-60°	500.3	20.0
60°-70°	590.4	23.6
70°-80°	478.9	19.2
80°-90°	118.9	4.8
90°-100°	48.0	1.9
100°-110°	11.1	0.4
110°-120°	3.5	0.1
120°-130°	3.1	0.1
130°-140°	1.7	0.1
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°	2428.1	97.2
0°-180°	2497.0	100.0

Coefficient of Utilization



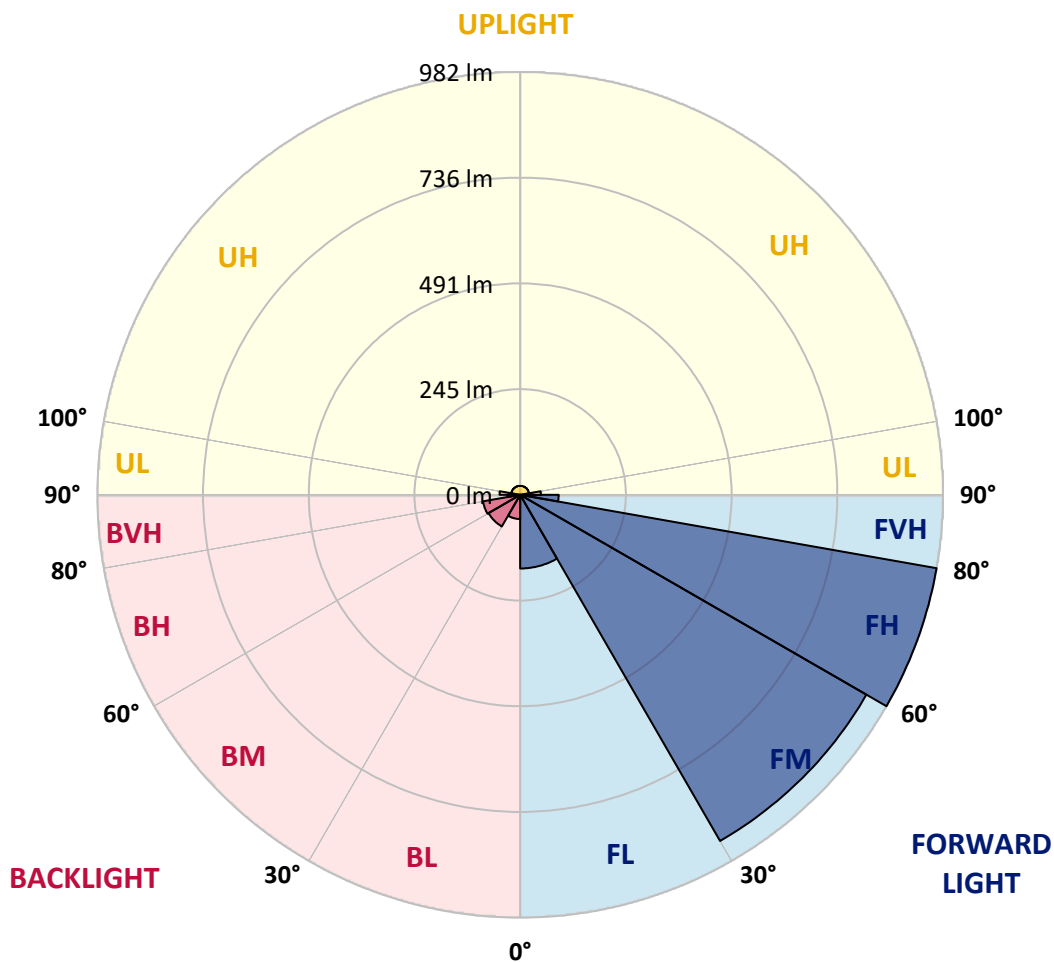
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	171.0	6.8			
FM (30°-60°)	928.0	37.2			
FH (60°-80°)	981.7	39.3			G1/1800
FVH (80°-90°)	89.4	3.6			G1/100
BL (0°-30°)	56.1	2.2	B0/110		
BM (30°-60°)	84.8	3.4	B0/220		
BH (60°-80°)	87.6	3.5	B0/110		G0/110
BVH (80°-90°)	29.5	1.2			G1/100
UL (90°-100°)	48.0	1.9		U2/50	
UH (100°-180°)	20.9	0.8		U2/50	

BUG Rating: B0-U2-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	660.0	660.0	660.0	660.0	660.0	660.0	660.0	660.0	660.0	660.0	660.0
2.5°	620.8	668.1	654.3	698.1	703.9	701.6	699.3	693.5	687.7	677.4	661.2
5°	595.4	600.0	596.6	604.7	605.8	609.3	603.5	635.8	690.1	676.2	650.8
7.5°	489.3	537.7	543.5	558.5	572.4	586.2	594.3	593.1	523.9	588.5	559.7
10°	499.7	506.6	505.4	515.8	504.3	484.7	442.0	443.1	443.1	457.0	472.0
12.5°	395.8	416.6	467.3	483.5	448.9	408.5	412.0	420.0	425.8	361.2	398.1
15°	448.9	450.0	451.2	451.2	338.1	386.6	336.9	304.6	348.5	427.0	433.9
17.5°	351.9	348.5	406.2	401.6	372.7	287.3	373.9	382.0	367.0	358.9	361.2
20°	413.1	413.1	409.6	326.6	343.9	370.4	320.8	319.6	338.1	420.0	424.6
22.5°	334.6	331.2	349.6	363.5	326.6	353.1	316.2	355.4	393.5	371.6	303.5
25°	418.9	418.9	405.0	315.0	338.1	303.5	350.8	301.2	334.6	454.6	432.7
27.5°	387.7	377.3	345.0	357.7	303.5	353.1	323.1	365.8	386.6	470.8	504.3
30°	500.8	497.3	460.4	360.0	345.0	324.3	347.3	368.1	445.4	610.4	582.7
32.5°	668.1	649.7	523.9	445.4	362.3	384.3	370.4	432.7	489.3	624.3	590.8
35°	713.1	699.3	639.3	541.2	406.2	406.2	398.1	442.0	502.0	654.3	608.1
37.5°	728.1	727.0	706.2	592.0	466.2	467.3	421.2	463.9	527.3	694.7	633.5
40°	737.4	739.7	760.4	645.0	529.7	527.3	463.9	495.0	566.6	738.5	679.7
42.5°	776.6	789.3	814.7	703.9	589.7	590.8	515.8	544.7	618.5	811.2	743.1
45°	864.3	867.8	882.8	784.7	646.2	654.3	581.6	611.6	682.0	890.8	814.7
47.5°	997.0	997.0	971.6	848.1	713.1	724.7	650.8	682.0	757.0	1007.4	897.8
50°	1114.7	1105.5	1050.1	923.1	767.4	792.8	742.0	777.7	820.4	1096.2	1001.6
52.5°	1188.5	1185.1	1117.0	973.9	825.1	867.8	817.0	863.1	894.3	1188.5	1095.1
55°	1178.2	1178.2	1134.3	1000.5	878.1	935.8	913.9	971.6	983.1	1276.2	1163.2
57.5°	1138.9	1144.7	1123.9	1010.8	888.5	1000.5	1013.2	1067.4	1087.0	1327.0	1205.9
60°	1059.3	1070.8	1092.8	1024.7	928.9	1073.2	1114.7	1163.2	1200.1	1365.1	1241.6
62.5°	910.5	925.5	1002.8	1023.5	960.1	1148.2	1201.2	1243.9	1278.6	1385.9	1267.0
65°	690.1	717.7	829.7	949.7	957.8	1235.9	1271.6	1313.2	1346.6	1406.6	1332.8
67.5°	440.8	442.0	563.1	784.7	893.1	1359.3	1366.3	1387.0	1409.0	1464.3	1426.3
70°	227.3	238.9	296.6	500.8	731.6	1384.7	1602.8	1572.8	1539.3	1590.1	1547.4
72.5°	151.2	163.9	195.0	270.0	459.3	1248.6	1860.1	1943.2	1795.5	1683.6	1441.3
75°	85.4	92.3	130.4	213.5	283.9	806.6	1831.3	2127.8	1957.1	1512.8	1158.5
77.5°	38.1	40.4	58.9	167.3	243.5	393.5	1441.3	1778.2	1710.1	1261.2	835.4
80°	20.8	20.8	27.7	77.3	206.6	296.6	956.6	1238.2	1163.2	760.4	379.6
82.5°	11.5	12.7	16.2	36.9	125.8	271.2	604.7	776.6	613.9	208.9	153.5
85°	4.6	4.6	6.9	19.6	46.2	229.6	331.2	369.3	248.1	106.2	118.9
87.5°	2.3	2.3	2.3	6.9	15.0	58.9	108.5	116.5	91.2	84.2	102.7
90°	3.5	3.5	2.3	2.3	10.4	62.3	91.2	95.8	75.0	84.2	103.9
92.5°	4.6	3.5	2.3	2.3	8.1	62.3	103.9	102.7	75.0	84.2	107.3
95°	5.8	4.6	2.3	2.3	8.1	55.4	124.6	111.9	80.8	85.4	113.1
97.5°	5.8	5.8	2.3	2.3	8.1	42.7	131.5	113.1	70.4	55.4	77.3
100°	6.9	6.9	2.3	2.3	9.2	25.4	91.2	84.2	49.6	18.5	21.9
102.5°	8.1	8.1	2.3	2.3	5.8	12.7	43.8	42.7	27.7	4.6	8.1
105°	8.1	9.2	2.3	2.3	2.3	5.8	16.2	19.6	13.8	4.6	8.1
107.5°	9.2	10.4	2.3	2.3	2.3	3.5	6.9	6.9	4.6	4.6	8.1
110°	9.2	9.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6	8.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	6.9	6.9	1.2	2.3	2.3	2.3	1.2	2.3	2.3	3.5	6.9
115°	3.5	2.3	1.2	2.3	1.2	2.3	1.2	2.3	3.5	3.5	8.1
117.5°	1.2	1.2	1.2	1.2	1.2	2.3	1.2	2.3	2.3	5.8	10.4
120°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	8.1	12.7
122.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	8.1	15.0
125°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	5.8	13.8
127.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	5.8	11.5
130°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	4.6	10.4
132.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	4.6	8.1
135°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	5.8
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3
140°	1.2	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	1.2	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
145°	1.2	1.2	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2
150°	4.6	4.6	4.6	3.5	2.3	1.2	3.5	2.3	1.2	1.2	1.2
152.5°	3.5	3.5	5.8	2.3	1.2	1.2	1.2	3.5	3.5	1.2	1.2
155°	3.5	3.5	2.3	1.2	1.2	1.2	1.2	1.2	1.2	3.5	4.6
157.5°	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2	1.2	2.3	1.2
160°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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°	660.0	660.0	660.0	660.0	660.0	660.0	660.0	660.0	660.0	660.0	660.0
2.5°	655.4	648.5	630.0	612.7	592.0	579.3	535.4	485.8	475.4	473.1	465.0
5°	639.3	624.3	588.5	512.3	436.2	401.6	385.4	372.7	355.4	351.9	347.3
7.5°	542.3	517.0	461.6	368.1	356.6	324.3	297.7	275.8	228.5	215.8	208.9
10°	451.2	429.3	315.0	267.7	243.5	219.2	190.4	168.5	148.9	139.6	136.2
12.5°	364.6	342.7	235.4	212.3	151.2	124.6	108.5	90.0	75.0	66.9	66.9
15°	403.9	368.1	243.5	151.2	99.2	73.9	54.2	48.5	56.5	57.7	57.7
17.5°	330.0	294.3	191.6	117.7	72.7	40.4	43.8	49.6	54.2	47.3	48.5
20°	379.6	330.0	192.7	88.9	46.2	39.2	40.4	36.9	49.6	50.8	50.8
22.5°	287.3	259.6	145.4	70.4	35.8	36.9	34.6	41.5	46.2	40.4	39.2
25°	371.6	305.8	147.7	45.0	35.8	30.0	35.8	32.3	42.7	43.8	43.8
27.5°	425.8	342.7	129.2	39.2	30.0	32.3	28.8	33.5	32.3	32.3	32.3
30°	483.5	373.9	125.8	38.1	28.8	26.5	27.7	26.5	31.2	32.3	32.3
32.5°	483.5	357.7	95.8	38.1	27.7	25.4	21.9	24.2	25.4	27.7	28.8
35°	487.0	343.9	70.4	34.6	25.4	21.9	19.6	19.6	21.9	23.1	23.1
37.5°	497.3	334.6	54.2	32.3	23.1	19.6	16.2	17.3	30.0	33.5	33.5
40°	526.2	334.6	46.2	30.0	20.8	17.3	13.8	21.9	25.4	30.0	30.0
42.5°	571.2	339.3	43.8	28.8	18.5	15.0	11.5	17.3	31.2	35.8	36.9
45°	618.5	348.5	41.5	27.7	17.3	12.7	13.8	20.8	24.2	32.3	32.3
47.5°	684.3	368.1	40.4	26.5	16.2	10.4	12.7	20.8	26.5	34.6	34.6
50°	755.8	388.9	38.1	25.4	13.8	9.2	19.6	17.3	21.9	35.8	35.8
52.5°	829.7	413.1	36.9	24.2	12.7	12.7	21.9	20.8	26.5	34.6	35.8
55°	894.3	432.7	34.6	24.2	11.5	11.5	23.1	20.8	24.2	32.3	33.5
57.5°	925.5	436.2	33.5	23.1	10.4	11.5	21.9	25.4	21.9	26.5	28.8
60°	964.7	445.4	30.0	20.8	9.2	15.0	25.4	33.5	30.0	34.6	36.9
62.5°	1001.6	452.3	26.5	18.5	8.1	16.2	33.5	40.4	32.3	40.4	45.0
65°	1069.7	467.3	21.9	15.0	6.9	18.5	38.1	48.5	35.8	47.3	47.3
67.5°	1164.3	491.6	17.3	12.7	6.9	20.8	39.2	55.4	42.7	51.9	50.8
70°	1201.2	452.3	15.0	11.5	6.9	24.2	42.7	60.0	45.0	57.7	57.7
72.5°	1047.8	326.6	12.7	11.5	11.5	27.7	53.1	65.8	49.6	72.7	71.5
75°	808.9	205.4	12.7	11.5	13.8	34.6	60.0	70.4	53.1	80.8	79.6
77.5°	538.9	96.9	12.7	12.7	16.2	38.1	64.6	75.0	58.9	90.0	88.9
80°	211.2	53.1	13.8	13.8	19.6	40.4	69.2	77.3	61.2	96.9	95.8
82.5°	101.5	36.9	13.8	13.8	26.5	45.0	73.9	80.8	63.5	98.1	96.9
85°	86.5	34.6	12.7	15.0	32.3	56.5	78.5	79.6	64.6	93.5	93.5
87.5°	77.3	33.5	12.7	15.0	43.8	65.8	81.9	78.5	69.2	91.2	91.2
90°	79.6	35.8	13.8	17.3	49.6	66.9	83.1	78.5	66.9	84.2	84.2
92.5°	85.4	38.1	15.0	18.5	49.6	62.3	77.3	70.4	62.3	71.5	70.4
95°	90.0	40.4	16.2	20.8	43.8	48.5	64.6	56.5	51.9	55.4	55.4
97.5°	69.2	31.2	18.5	23.1	33.5	28.8	40.4	36.9	27.7	23.1	23.1
100°	18.5	10.4	19.6	23.1	23.1	19.6	30.0	27.7	18.5	8.1	8.1
102.5°	6.9	6.9	18.5	21.9	18.5	15.0	21.9	20.8	15.0	2.3	2.3
105°	6.9	5.8	11.5	17.3	11.5	8.1	11.5	13.8	9.2	2.3	2.3
107.5°	6.9	5.8	6.9	10.4	4.6	3.5	4.6	4.6	4.6	1.2	2.3
110°	6.9	5.8	3.5	4.6	3.5	3.5	3.5	2.3	2.3	4.6	4.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.9	5.8	3.5	4.6	3.5	3.5	2.3	2.3	3.5	6.9	6.9
115°	6.9	5.8	3.5	3.5	2.3	3.5	2.3	1.2	3.5	8.1	9.2
117.5°	9.2	5.8	2.3	2.3	2.3	2.3	2.3	1.2	3.5	10.4	11.5
120°	11.5	6.9	2.3	2.3	2.3	1.2	2.3	1.2	4.6	10.4	11.5
122.5°	12.7	8.1	2.3	2.3	2.3	1.2	1.2	2.3	4.6	10.4	10.4
125°	12.7	8.1	2.3	2.3	1.2	1.2	1.2	1.2	4.6	10.4	11.5
127.5°	10.4	6.9	2.3	2.3	1.2	1.2	1.2	1.2	4.6	9.2	10.4
130°	9.2	6.9	2.3	2.3	1.2	1.2	1.2	1.2	4.6	8.1	9.2
132.5°	6.9	5.8	2.3	1.2	1.2	1.2	1.2	1.2	4.6	6.9	8.1
135°	5.8	3.5	2.3	1.2	1.2	1.2	1.2	1.2	3.5	6.9	6.9
137.5°	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2	2.3	3.5	3.5
140°	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3
142.5°	1.2	2.3	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
145°	1.2	2.3	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
147.5°	1.2	2.3	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
150°	1.2	2.3	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	2.3
152.5°	1.2	2.3	1.2	1.2	1.2	0.0	0.0	1.2	1.2	1.2	1.2
155°	4.6	3.5	2.3	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2
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

(END OF REPORT)