

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: P560134

Luminaire Tested: **SDL-PA1-30-722-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-722-U-SL3-A
Description: Springdale
(1) 70 CRI, 2200K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2600.5 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G2

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

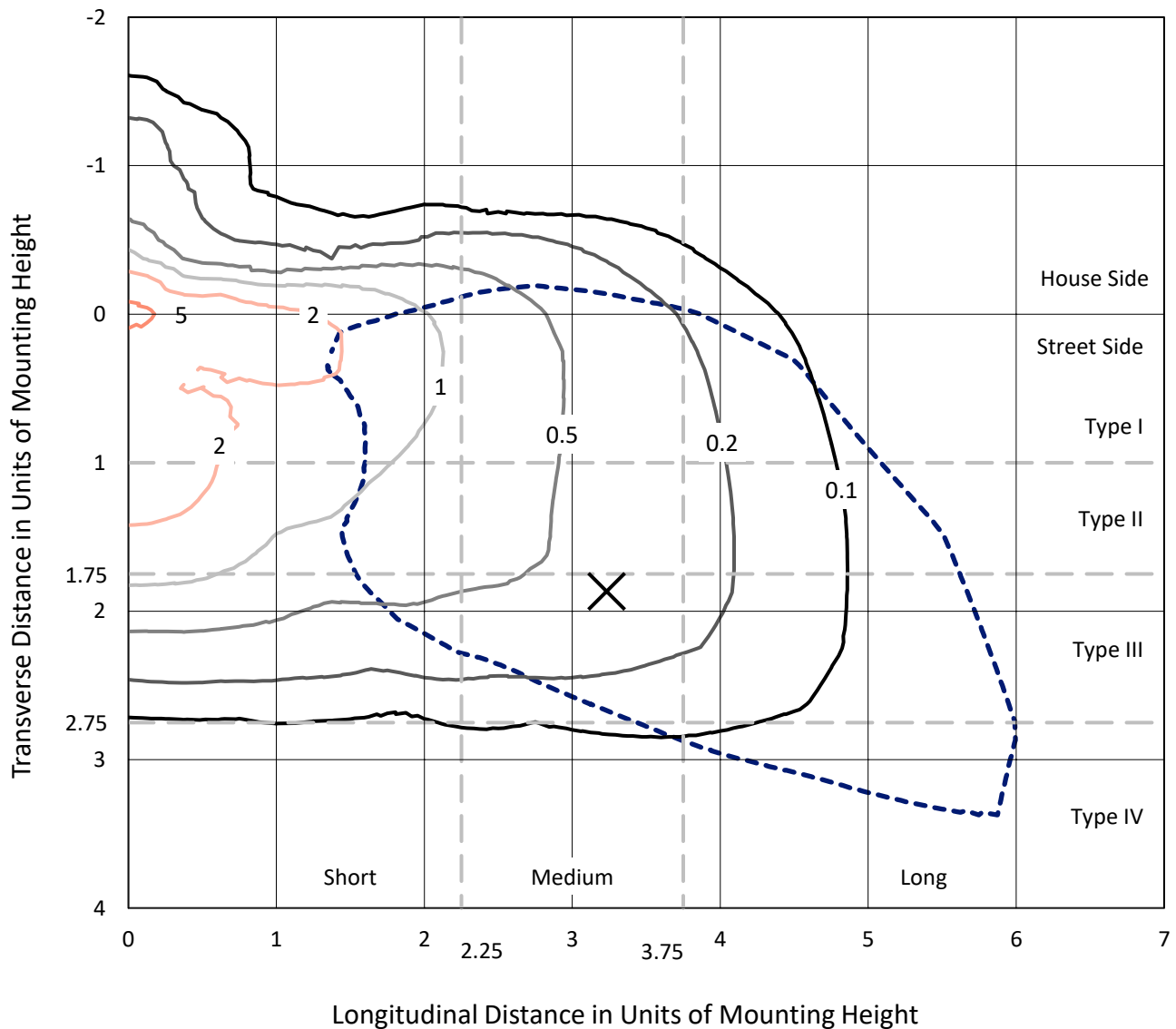


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

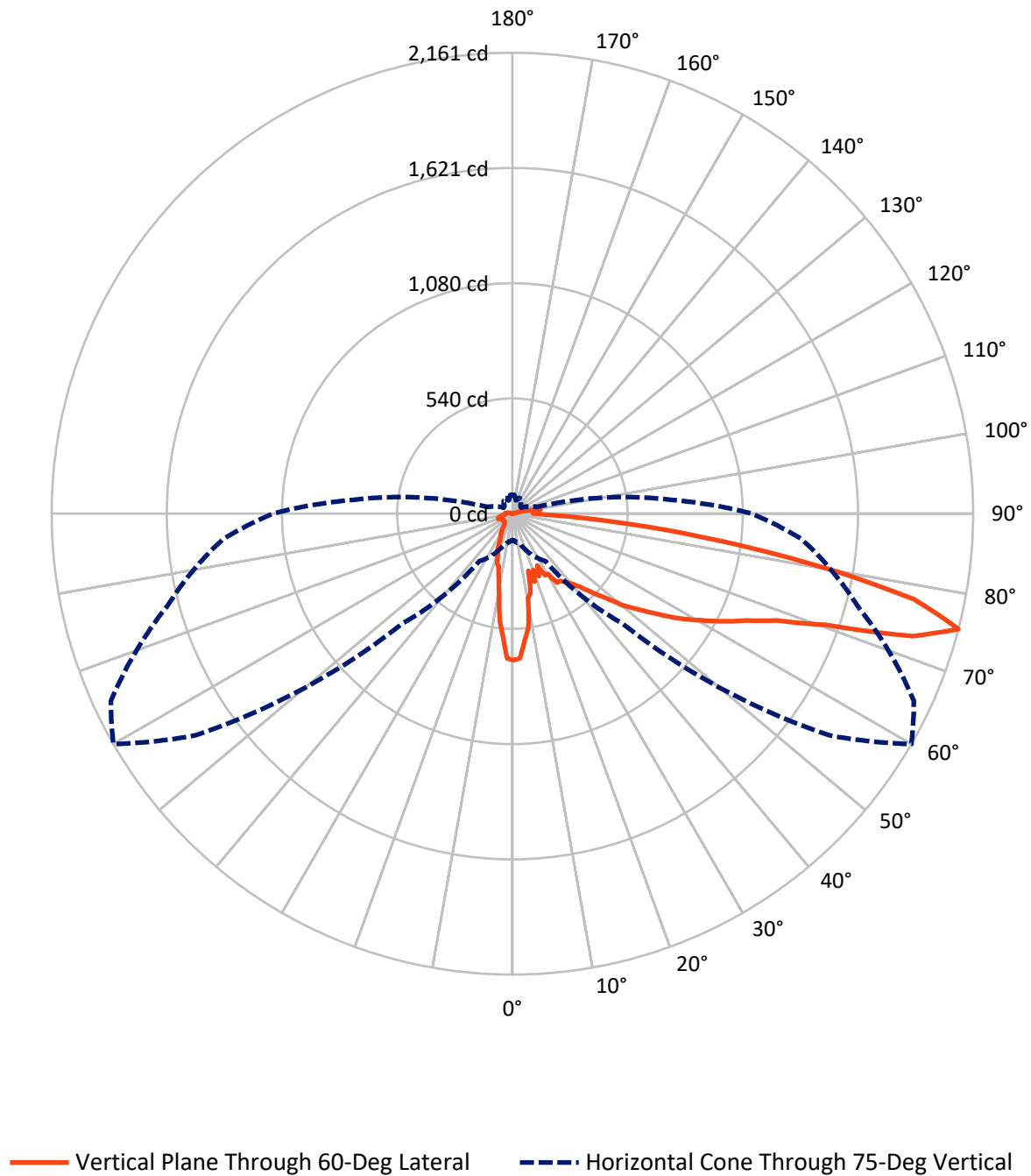


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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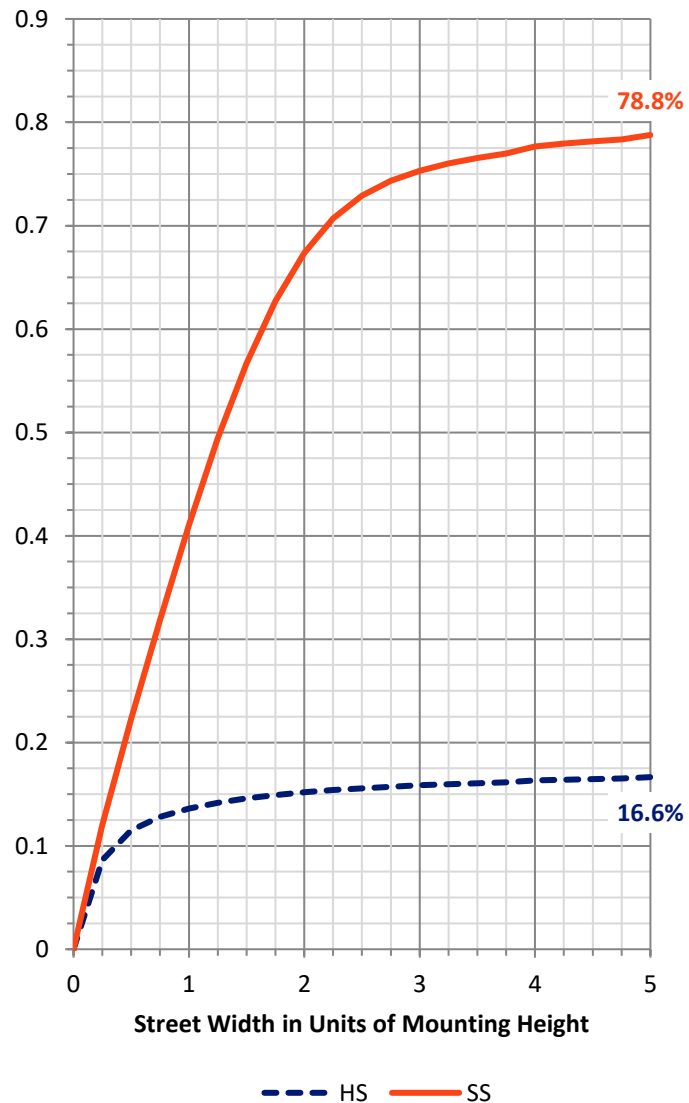
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	456.5	34.6	491.1
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	2072.8	36.6	2109.4
	% Fixture	79.7	1.4	81.1
Total	Lumens	2529.3	71.2	2600.5
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	1.9
10°-20°	89.9	3.5
20°-30°	116.6	4.5
30°-40°	194.2	7.5
40°-50°	311.0	12.0
50°-60°	477.5	18.4
60°-70°	596.6	22.9
70°-80°	544.1	20.9
80°-90°	148.9	5.7
90°-100°	50.0	1.9
100°-110°	11.4	0.4
110°-120°	3.6	0.1
120°-130°	3.4	0.1
130°-140°	1.6	0.1
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2529.3	97.3
0°-180°	2600.5	100.0

Coefficient of Utilization



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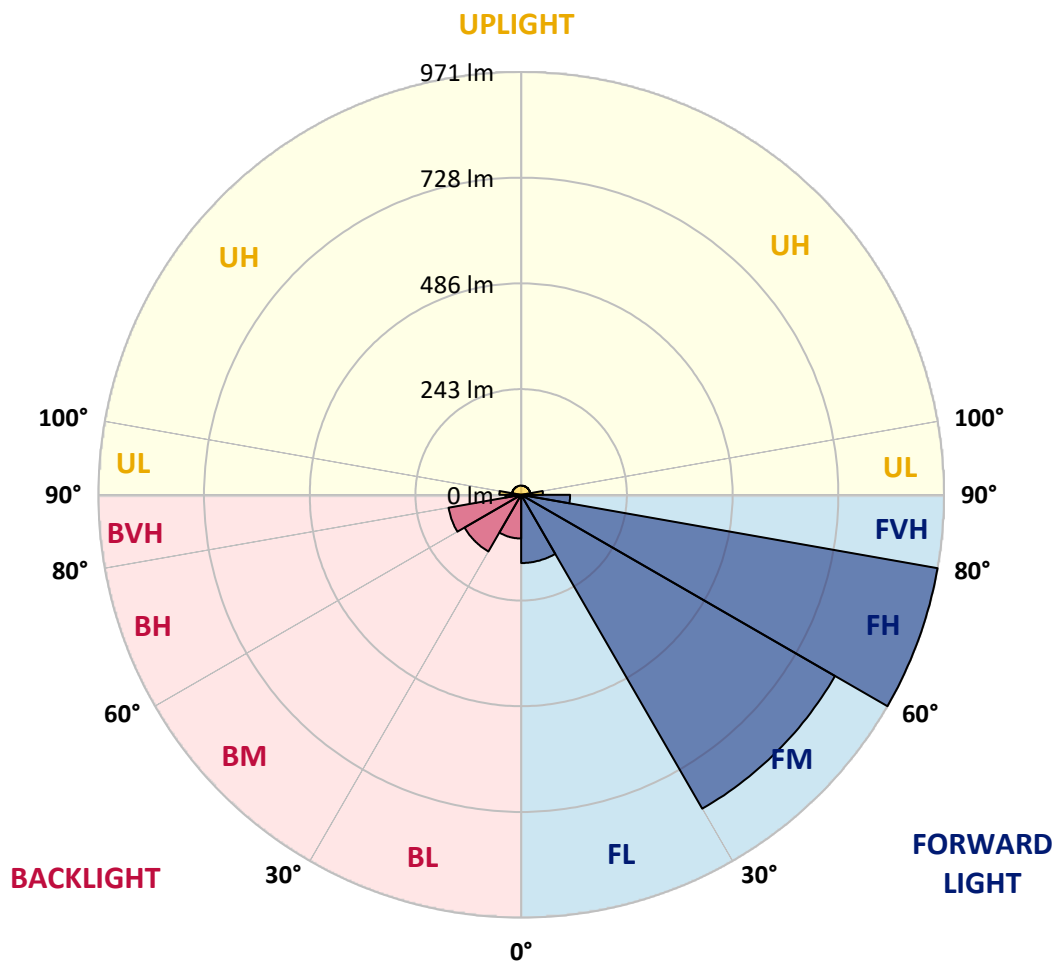
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.6	6.0			
FM	(30°-60°)	832.4	32.0			
FH	(60°-80°)	971.3	37.4			G1/1800
FVH	(80°-90°)	112.4	4.3			G2/225
BL	(0°-30°)	100.4	3.9	B0/110		
BM	(30°-60°)	150.2	5.8	B0/220		
BH	(60°-80°)	169.4	6.5	B1/500		G1/500
BVH	(80°-90°)	36.5	1.4			G1/100
UL	(90°-100°)	50.0	1.9		U2/50	
UH	(100°-180°)	21.2	0.8		U2/50	

BUG Rating: B1-U2-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	686.8	686.8	686.8	686.8	686.8	686.8	686.8	686.8	686.8	686.8	686.8
2.5°	576.2	630.0	624.9	666.5	666.5	675.6	679.7	678.6	682.7	686.8	685.7
5°	530.5	531.6	535.6	544.7	547.8	550.8	561.0	596.5	656.3	670.5	670.5
7.5°	438.2	462.6	493.0	498.1	516.3	525.5	536.6	538.7	498.1	571.1	578.2
10°	444.3	445.3	443.3	454.5	441.3	436.2	400.7	402.7	406.8	434.2	488.9
12.5°	347.9	368.2	411.9	432.1	399.7	364.2	362.1	379.4	386.5	345.9	431.1
15°	397.7	399.7	400.7	401.7	298.2	345.9	302.3	277.9	311.4	392.6	446.3
17.5°	311.4	313.5	361.1	360.1	328.7	265.8	328.7	335.8	322.6	333.7	373.3
20°	365.2	366.2	363.2	282.0	288.1	325.6	283.0	282.0	298.2	384.5	434.2
22.5°	300.3	296.2	295.2	322.6	293.2	313.5	274.9	318.5	345.9	342.9	327.7
25°	376.3	375.3	360.1	281.0	300.3	265.8	321.6	269.8	299.3	414.9	434.2
27.5°	352.0	337.8	312.4	324.6	280.0	311.4	286.1	326.6	344.9	426.1	503.1
30°	455.5	445.3	415.9	327.7	309.4	287.1	306.4	327.7	392.6	548.8	575.2
32.5°	601.5	590.4	484.9	401.7	324.6	339.8	322.6	384.5	433.2	560.0	580.2
35°	646.2	631.0	579.2	486.9	372.3	361.1	343.9	387.5	439.2	589.4	589.4
37.5°	671.5	670.5	646.2	537.6	420.0	413.9	370.3	406.8	463.6	617.8	611.7
40°	675.6	680.7	691.8	582.3	476.8	463.6	404.8	433.2	498.1	652.3	640.1
42.5°	709.1	718.2	743.6	641.1	533.6	521.4	445.3	471.7	535.6	703.0	699.9
45°	762.8	772.0	794.3	706.0	583.3	575.2	511.3	527.5	596.5	792.3	763.9
47.5°	874.4	876.5	867.3	759.8	637.1	637.1	575.2	590.4	651.3	874.4	847.0
50°	986.0	973.8	933.3	823.7	690.8	706.0	641.1	676.6	713.1	957.6	920.1
52.5°	1047.9	1045.9	991.1	872.4	737.5	766.9	717.2	747.6	769.9	1041.8	989.1
55°	1049.9	1046.9	1009.3	895.7	781.1	829.8	793.3	832.8	849.1	1107.7	1083.4
57.5°	1016.4	1024.6	1005.3	908.9	802.4	890.7	885.6	928.2	936.3	1185.9	1148.3
60°	963.7	962.7	986.0	921.1	834.9	948.5	970.8	1014.4	1058.0	1245.7	1206.1
62.5°	831.8	840.9	906.9	921.1	870.4	1023.5	1066.1	1111.8	1165.6	1300.5	1257.9
65°	651.3	656.3	759.8	854.1	880.5	1124.0	1162.5	1208.2	1265.0	1356.3	1315.7
67.5°	393.6	427.1	516.3	703.0	828.8	1244.7	1315.7	1335.0	1367.4	1419.2	1400.9
70°	224.2	234.3	276.9	442.3	691.8	1283.2	1597.7	1563.2	1529.7	1541.9	1507.4
72.5°	170.4	176.5	195.8	261.7	413.9	1133.1	1835.1	1962.9	1818.8	1669.7	1504.4
75°	123.8	129.8	149.1	211.0	271.9	726.3	1810.7	2160.7	2077.5	1675.8	1360.3
77.5°	77.1	78.1	89.3	179.6	244.5	364.2	1417.1	1924.3	1960.9	1565.2	1128.0
80°	53.8	54.8	56.8	96.4	225.2	292.2	951.5	1413.1	1464.8	1089.5	575.2
82.5°	38.5	40.6	42.6	56.8	146.1	279.0	592.4	889.6	784.1	394.6	233.3
85°	20.3	22.3	27.4	34.5	58.8	303.3	355.0	452.4	358.1	160.3	139.0
87.5°	8.1	7.1	6.1	9.1	16.2	116.7	138.0	152.2	117.7	90.3	110.6
90°	7.1	6.1	4.1	5.1	7.1	41.6	87.2	97.4	81.2	88.3	111.6
92.5°	7.1	6.1	4.1	4.1	7.1	41.6	104.5	106.5	84.2	90.3	116.7
95°	7.1	7.1	4.1	4.1	7.1	37.5	123.8	121.7	87.2	95.4	123.8
97.5°	7.1	7.1	3.0	4.1	7.1	25.4	127.8	131.9	85.2	68.0	102.5
100°	7.1	7.1	3.0	3.0	6.1	16.2	89.3	96.4	62.9	22.3	25.4
102.5°	7.1	7.1	3.0	3.0	4.1	11.2	39.6	47.7	37.5	7.1	8.1
105°	7.1	8.1	2.0	2.0	3.0	6.1	17.2	19.3	15.2	5.1	9.1
107.5°	8.1	9.1	2.0	2.0	2.0	3.0	6.1	7.1	4.1	4.1	9.1
110°	9.1	9.1	2.0	2.0	2.0	3.0	2.0	2.0	3.0	4.1	10.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	7.1	6.1	1.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	10.1
115°	4.1	3.0	1.0	2.0	2.0	2.0	1.0	2.0	3.0	4.1	9.1
117.5°	4.1	3.0	1.0	1.0	1.0	2.0	1.0	1.0	3.0	5.1	11.2
120°	3.0	3.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	7.1	15.2
122.5°	3.0	3.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	7.1	15.2
125°	4.1	4.1	2.0	1.0	1.0	1.0	1.0	2.0	2.0	6.1	14.2
127.5°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	5.1	11.2
130°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	2.0	1.0	5.1	9.1
132.5°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	7.1
135°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	5.1
137.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
140°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
150°	2.0	2.0	4.1	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	4.1	4.1	4.1	3.0	1.0	1.0	2.0	3.0	1.0	1.0	1.0
155°	3.0	3.0	3.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0
157.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	686.8	686.8	686.8	686.8	686.8	686.8	686.8	686.8	686.8	686.8	686.8
2.5°	682.7	684.7	682.7	680.7	678.6	672.6	631.0	580.2	576.2	580.2	578.2
5°	665.5	665.5	664.4	594.4	552.9	540.7	537.6	534.6	528.5	525.5	527.5
7.5°	574.2	571.1	535.6	472.7	512.3	498.1	490.0	485.9	425.0	402.7	404.8
10°	479.8	479.8	398.7	376.3	374.3	380.4	422.0	419.0	410.8	405.8	410.8
12.5°	413.9	431.1	316.5	338.8	274.9	304.3	332.7	353.0	291.1	273.9	276.9
15°	439.2	433.2	347.9	265.8	242.4	255.6	204.9	256.6	252.6	244.5	243.5
17.5°	383.4	352.0	290.1	249.5	239.4	180.6	175.5	181.6	166.4	152.2	159.3
20°	416.9	399.7	307.4	222.2	184.6	164.3	123.8	115.6	147.1	154.2	153.2
22.5°	347.9	290.1	251.6	221.1	149.1	117.7	93.3	102.5	109.6	116.7	119.7
25°	408.8	377.4	274.9	165.3	120.7	86.2	84.2	76.1	114.6	130.9	129.8
27.5°	471.7	427.1	264.8	155.2	87.2	74.1	68.0	77.1	80.1	90.3	96.4
30°	527.5	473.7	306.4	144.0	73.0	55.8	60.9	62.9	78.1	84.2	84.2
32.5°	525.5	460.5	273.9	122.7	59.9	50.7	50.7	59.9	69.0	83.2	84.2
35°	524.5	450.4	244.5	95.4	52.7	44.6	46.7	56.8	69.0	77.1	78.1
37.5°	536.6	447.4	215.1	77.1	47.7	42.6	44.6	53.8	74.1	82.2	82.2
40°	554.9	449.4	185.6	65.9	45.6	41.6	42.6	56.8	67.0	74.1	74.1
42.5°	610.7	478.8	160.3	60.9	45.6	40.6	40.6	52.7	68.0	80.1	81.2
45°	652.3	502.1	141.0	60.9	44.6	38.5	42.6	52.7	59.9	88.3	94.3
47.5°	719.2	544.7	122.7	60.9	44.6	37.5	39.6	51.7	62.9	101.4	105.5
50°	786.2	587.3	114.6	60.9	44.6	36.5	44.6	49.7	62.9	105.5	108.5
52.5°	857.2	640.1	109.6	60.9	44.6	38.5	48.7	59.9	68.0	94.3	93.3
55°	930.2	686.8	106.5	62.9	44.6	38.5	52.7	55.8	57.8	73.0	75.1
57.5°	998.2	743.6	112.6	62.9	43.6	40.6	49.7	54.8	50.7	63.9	64.9
60°	1051.9	795.3	127.8	60.9	42.6	40.6	50.7	59.9	56.8	70.0	72.0
62.5°	1113.8	850.1	163.3	61.9	42.6	41.6	56.8	64.9	57.8	69.0	73.0
65°	1195.0	933.3	202.9	68.0	43.6	43.6	57.8	70.0	57.8	68.0	68.0
67.5°	1286.3	1010.4	202.9	79.1	46.7	46.7	57.8	74.1	61.9	68.0	68.0
70°	1353.2	1014.4	167.4	87.2	50.7	49.7	59.9	77.1	62.9	75.1	74.1
72.5°	1279.2	903.8	139.0	86.2	54.8	51.7	68.0	79.1	63.9	85.2	84.2
75°	1123.0	745.6	120.7	77.1	49.7	52.7	71.0	81.2	64.9	89.3	87.2
77.5°	885.6	543.7	102.5	64.9	43.6	50.7	73.0	83.2	67.0	94.3	93.3
80°	429.1	272.9	83.2	54.8	39.6	48.7	73.0	82.2	65.9	97.4	97.4
82.5°	193.8	135.9	56.8	37.5	39.6	49.7	75.1	83.2	65.9	95.4	94.3
85°	125.8	93.3	36.5	29.4	39.6	56.8	76.1	79.1	62.9	88.3	88.3
87.5°	94.3	64.9	19.3	18.3	43.6	61.9	76.1	73.0	60.9	83.2	81.2
90°	96.4	69.0	20.3	18.3	46.7	62.9	76.1	72.0	58.8	75.1	75.1
92.5°	104.5	76.1	23.3	20.3	47.7	56.8	72.0	64.9	54.8	64.9	63.9
95°	113.6	85.2	27.4	23.3	41.6	41.6	56.8	52.7	46.7	49.7	49.7
97.5°	83.2	60.9	24.3	25.4	31.4	26.4	37.5	35.5	24.3	22.3	21.3
100°	24.3	20.3	22.3	24.3	22.3	19.3	28.4	27.4	16.2	8.1	8.1
102.5°	9.1	10.1	20.3	22.3	17.2	14.2	20.3	22.3	13.2	2.0	3.0
105°	8.1	7.1	14.2	17.2	10.1	8.1	10.1	14.2	8.1	2.0	2.0
107.5°	9.1	7.1	7.1	9.1	4.1	4.1	4.1	5.1	3.0	2.0	2.0
110°	9.1	7.1	4.1	4.1	3.0	3.0	3.0	2.0	2.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.1	7.1	4.1	4.1	3.0	3.0	2.0	2.0	3.0	5.1	5.1
115°	10.1	8.1	4.1	3.0	2.0	3.0	2.0	1.0	3.0	7.1	7.1
117.5°	12.2	9.1	3.0	3.0	2.0	2.0	2.0	1.0	3.0	9.1	10.1
120°	15.2	11.2	4.1	2.0	2.0	2.0	2.0	1.0	4.1	10.1	11.2
122.5°	15.2	12.2	4.1	2.0	2.0	1.0	1.0	2.0	4.1	10.1	11.2
125°	14.2	11.2	4.1	2.0	2.0	1.0	1.0	1.0	5.1	10.1	11.2
127.5°	11.2	10.1	4.1	2.0	1.0	1.0	1.0	2.0	4.1	9.1	9.1
130°	9.1	8.1	3.0	2.0	1.0	1.0	1.0	1.0	4.1	7.1	8.1
132.5°	7.1	6.1	3.0	2.0	1.0	1.0	1.0	1.0	4.1	7.1	7.1
135°	5.1	5.1	2.0	1.0	1.0	1.0	1.0	1.0	3.0	5.1	6.1
137.5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	2.0	2.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	2.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
150°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	2.0	2.0
155°	3.0	3.0	3.0	2.0	1.0	0.0	0.0	0.0	1.0	1.0	2.0
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
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)