

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: P560116

Luminaire Tested: **SDL-PA1-20-830-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560116
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-PA1-20-830-U-T2R-A
Description: Springdale
(1) 80 CRI, 3000K, 260mA 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: 1795 lumens
Efficiency: N/A
Efficacy: 85.5 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: B0 - U2 - G1

Input Watts (W): 21
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



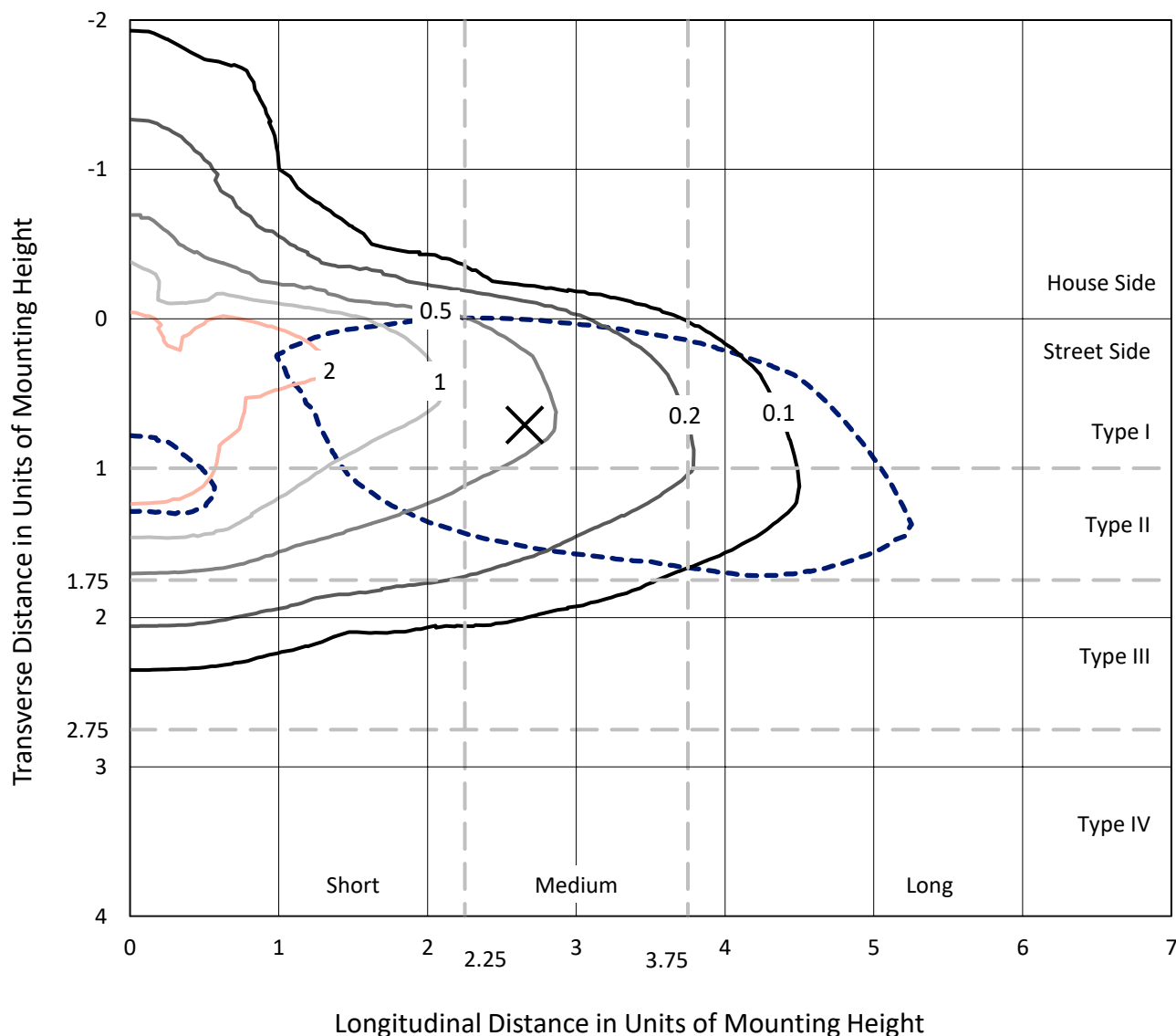
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

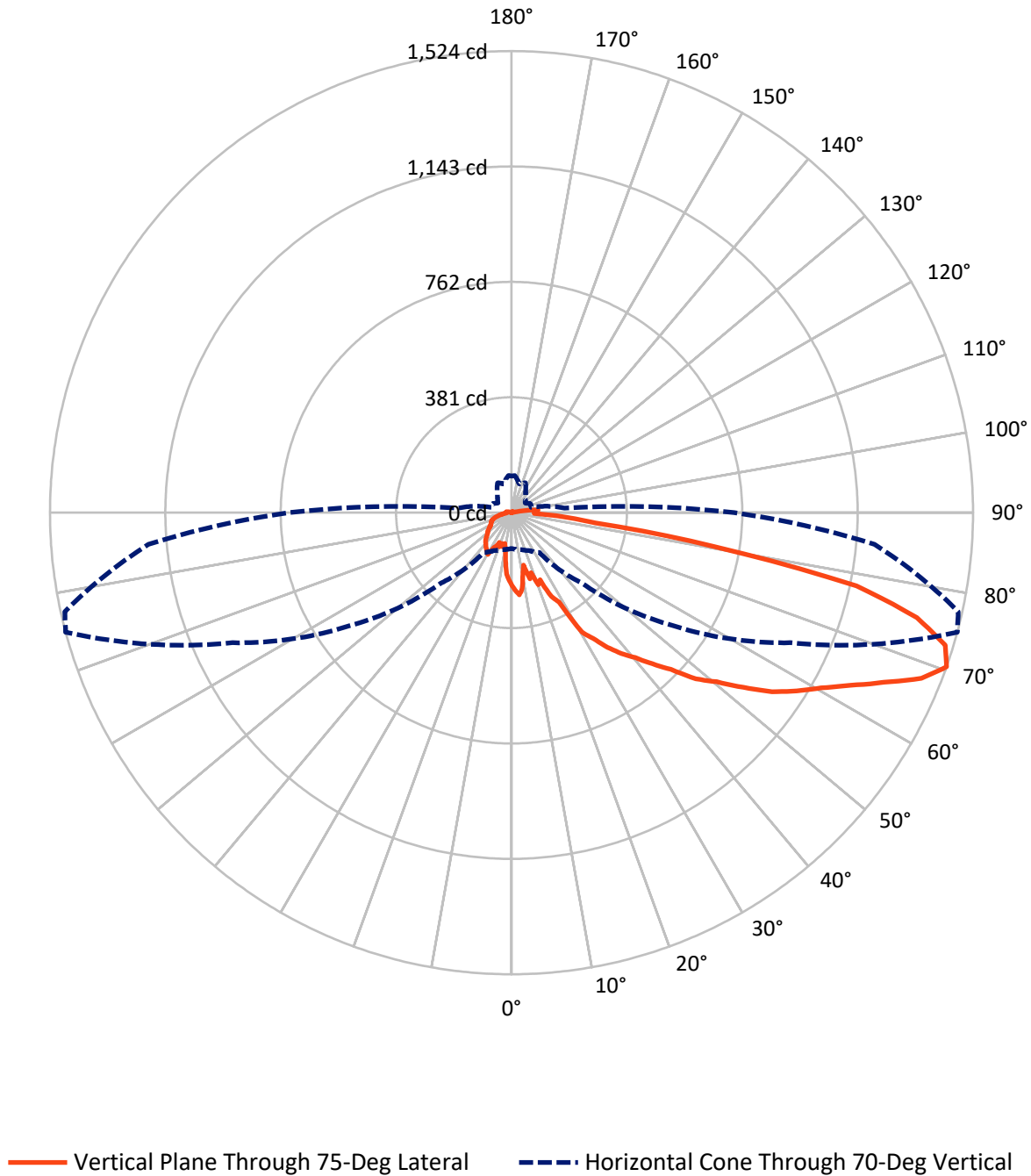


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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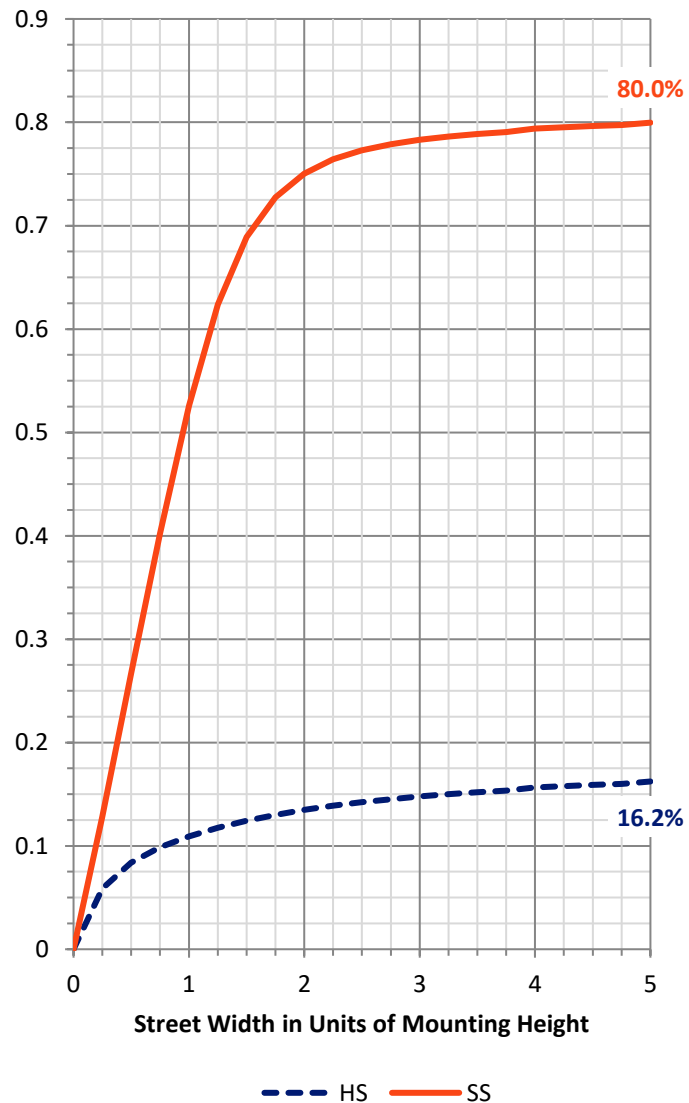
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	306.9	18.3	325.2
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	1446.6	23.2	1469.9
	% Fixture	80.6	1.3	81.9
Total	Lumens	1753.5	41.5	1795.0
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	1.1
10°-20°	52.4	2.9
20°-30°	94.5	5.3
30°-40°	193.2	10.8
40°-50°	303.3	16.9
50°-60°	372.5	20.7
60°-70°	370.4	20.6
70°-80°	274.0	15.3
80°-90°	73.2	4.1
90°-100°	27.0	1.5
100°-110°	6.3	0.4
110°-120°	3.0	0.2
120°-130°	2.7	0.1
130°-140°	1.3	0.1
140°-150°	0.6	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1753.5	97.7
0°-180°	1795.0	100.0

Coefficient of Utilization



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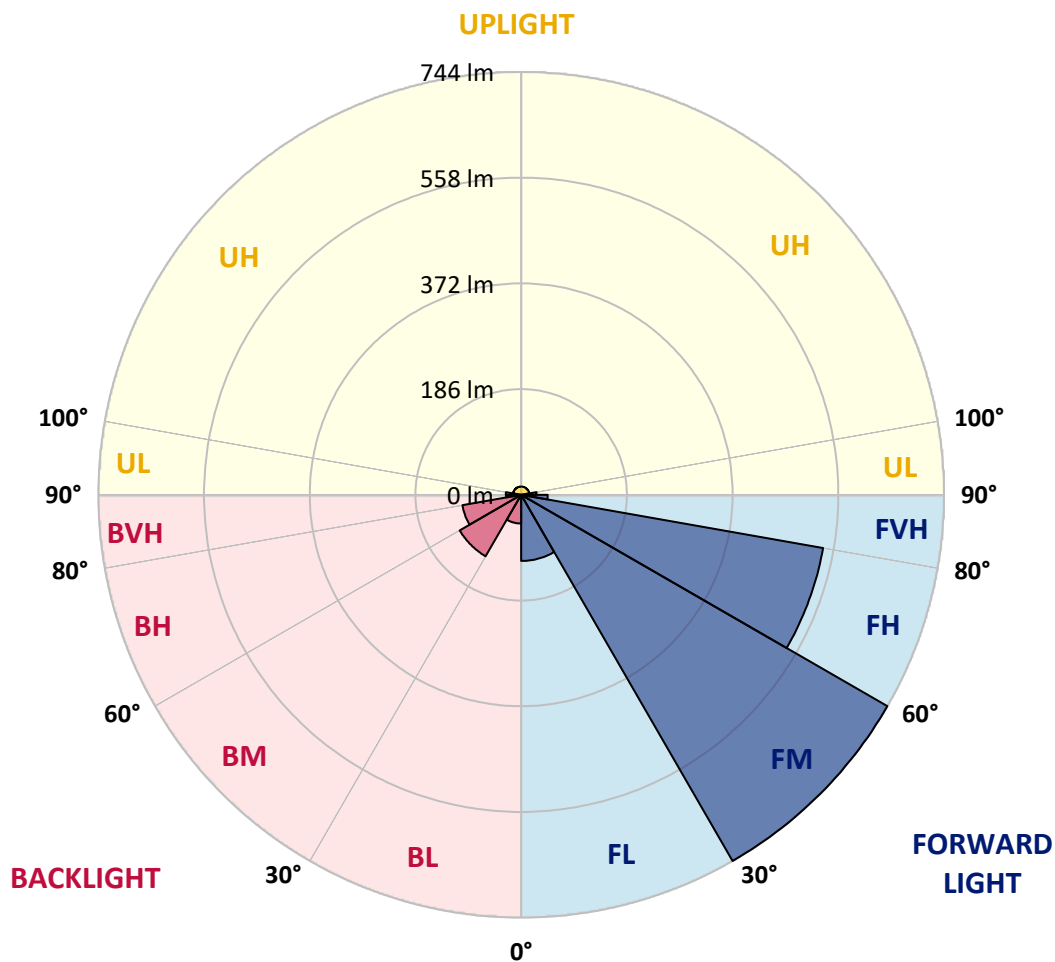
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.3	6.5			
FM	(30°-60°)	744.1	41.5			
FH	(60°-80°)	539.5	30.1			G0/660
FVH	(80°-90°)	46.7	2.6			G1/100
BL	(0°-30°)	50.6	2.8	B0/110		
BM	(30°-60°)	124.9	7.0	B0/220		
BH	(60°-80°)	105.0	5.8	B0/110		G0/110
BVH	(80°-90°)	26.5	1.5			G1/100
UL	(90°-100°)	27.0	1.5		U2/50	
UH	(100°-180°)	14.5	0.8		U2/50	

BUG Rating: B0-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°	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6
2.5°	249.7	263.8	270.1	277.1	283.4	279.9	274.3	265.9	258.2	255.3	246.9
5°	275.7	274.3	273.6	271.5	268.0	261.7	253.9	284.1	272.2	267.3	253.2
7.5°	242.7	281.3	285.5	289.7	288.3	280.6	270.8	243.4	253.9	247.6	230.1
10°	296.7	296.7	295.3	296.7	280.6	268.0	229.4	213.3	205.5	222.4	206.2
12.5°	252.5	275.0	303.0	308.7	284.1	249.0	232.9	225.2	177.5	175.4	188.0
15°	293.9	297.4	298.1	299.5	242.0	261.0	215.4	199.9	226.6	220.3	222.4
17.5°	236.4	239.9	285.5	282.7	260.3	208.3	251.8	225.9	208.3	200.6	197.8
20°	297.4	298.1	296.0	239.2	251.1	272.2	235.7	228.7	253.9	253.2	242.7
22.5°	253.2	253.9	261.7	288.3	259.6	275.0	237.1	285.5	240.6	241.3	187.3
25°	338.8	339.5	332.5	256.7	291.8	258.2	287.6	256.7	307.3	297.4	274.3
27.5°	355.7	329.7	303.0	318.5	278.5	320.6	273.6	310.8	333.9	331.8	335.3
30°	451.1	452.5	434.2	348.6	326.2	316.4	315.7	369.0	457.4	460.9	402.7
32.5°	611.0	602.6	512.8	430.0	351.4	385.8	354.3	427.2	494.6	492.5	431.4
35°	684.0	675.5	641.9	531.0	406.2	416.7	399.9	454.6	545.8	529.6	460.2
37.5°	745.7	744.3	716.2	585.0	461.6	477.0	427.2	488.2	590.0	573.1	489.6
40°	799.0	794.1	769.5	633.5	518.4	519.1	461.6	528.9	629.2	633.5	518.4
42.5°	843.2	839.0	818.6	681.9	552.1	556.3	498.1	570.3	681.9	689.6	563.3
45°	861.4	863.5	849.5	725.3	582.2	590.0	541.6	612.4	738.0	744.3	603.3
47.5°	874.8	875.5	872.0	761.1	614.5	618.0	584.3	650.3	819.3	806.7	650.3
50°	844.6	841.8	845.3	788.5	642.6	646.8	620.1	689.6	877.6	861.4	699.4
52.5°	765.3	768.8	805.3	774.5	651.7	660.1	653.8	723.9	958.2	945.6	769.5
55°	566.1	581.5	686.8	716.9	651.0	665.7	684.7	789.2	1043.1	1024.2	829.2
57.5°	458.1	458.1	519.8	618.7	615.2	662.2	716.2	833.4	1110.5	1097.1	888.8
60°	367.6	367.6	401.3	491.0	545.8	644.7	748.5	898.6	1174.3	1166.6	941.4
62.5°	288.3	287.6	315.7	366.2	447.6	606.1	765.3	954.7	1254.3	1252.9	1025.6
65°	208.3	211.2	235.0	266.6	351.4	533.8	764.6	1005.2	1350.4	1354.6	1120.3
67.5°	154.3	155.7	169.1	192.2	241.3	442.6	731.0	1040.3	1459.1	1452.1	1180.6
70°	118.6	120.7	126.3	138.2	160.6	329.0	649.6	1015.8	1523.6	1510.3	1203.1
72.5°	99.6	100.3	99.6	105.9	107.3	223.1	520.5	922.5	1497.0	1475.9	1141.3
75°	84.9	84.2	83.5	84.9	79.3	147.3	373.2	780.8	1381.9	1345.5	1008.0
77.5°	73.0	72.3	69.4	70.1	63.1	108.7	254.6	612.4	1164.5	1078.9	757.6
80°	60.3	60.3	58.2	58.2	53.3	82.8	162.7	422.3	678.3	610.3	394.2
82.5°	47.0	46.3	46.3	47.7	45.6	64.5	106.6	210.4	279.9	262.4	184.5
85°	25.3	25.3	28.8	32.3	31.6	39.3	81.4	124.2	165.6	159.9	103.1
87.5°	7.7	7.7	8.4	10.5	11.2	21.0	51.2	60.3	75.1	82.8	81.4
90°	8.4	7.7	5.6	6.3	7.0	15.4	47.7	58.2	75.8	84.2	86.3
92.5°	9.8	9.1	5.6	5.6	7.0	12.6	45.6	56.8	82.8	91.2	93.3
95°	10.5	9.8	5.6	5.6	7.0	11.2	40.7	56.1	88.4	99.6	99.6
97.5°	9.8	9.1	4.2	4.9	6.3	9.8	31.6	46.3	61.7	68.0	78.6
100°	8.4	8.4	2.8	4.2	5.6	7.0	18.2	25.3	18.2	17.5	17.5
102.5°	7.7	7.7	2.8	3.5	4.2	4.9	8.4	13.3	4.2	4.9	6.3
105°	7.7	8.4	2.1	2.8	2.8	2.8	4.2	7.0	3.5	4.2	6.3
107.5°	7.7	8.4	2.1	2.1	2.8	2.1	2.1	2.8	3.5	4.2	7.0
110°	7.0	7.0	1.4	2.1	2.1	2.1	1.4	2.1	3.5	4.9	7.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	4.9	4.9	1.4	2.1	2.1	2.1	1.4	2.1	3.5	4.9	7.0
115°	3.5	2.8	1.4	2.1	1.4	2.1	1.4	2.1	3.5	4.9	6.3
117.5°	2.8	2.1	1.4	1.4	1.4	1.4	0.7	2.1	4.2	5.6	7.7
120°	2.8	2.8	1.4	1.4	1.4	1.4	0.7	2.1	6.3	7.0	9.8
122.5°	2.8	2.8	1.4	1.4	1.4	1.4	0.7	1.4	5.6	7.7	10.5
125°	2.8	2.8	1.4	1.4	1.4	1.4	0.7	1.4	4.9	7.0	9.1
127.5°	2.8	2.8	1.4	0.7	1.4	1.4	1.4	1.4	4.2	5.6	7.7
130°	2.8	2.8	1.4	0.7	1.4	1.4	1.4	1.4	3.5	4.2	6.3
132.5°	2.1	2.1	1.4	0.7	1.4	0.7	0.7	1.4	2.8	3.5	4.9
135°	1.4	1.4	1.4	0.7	1.4	0.7	0.7	0.7	1.4	2.1	3.5
137.5°	0.7	1.4	0.7	0.7	1.4	0.7	0.7	0.7	0.7	0.7	1.4
140°	0.7	0.7	0.7	0.7	1.4	0.7	0.7	0.7	0.7	0.7	0.7
142.5°	0.7	0.7	0.7	0.7	1.4	1.4	0.7	0.7	0.7	0.7	0.7
145°	0.7	0.7	0.7	0.7	2.1	1.4	0.7	0.7	0.7	0.7	0.7
147.5°	0.7	0.7	0.7	2.8	2.1	1.4	0.7	0.7	0.7	0.7	0.7
150°	3.5	3.5	3.5	2.8	2.1	1.4	2.1	0.7	0.7	0.7	0.7
152.5°	3.5	3.5	4.2	2.1	1.4	0.7	0.7	2.8	2.1	1.4	1.4
155°	2.8	2.1	2.1	0.7	0.7	0.7	0.7	0.7	2.1	2.8	2.8
157.5°	0.7	0.7	1.4	0.7	0.7	0.7	0.7	0.7	1.4	0.7	0.7
160°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6
2.5°	242.0	236.4	223.1	213.3	201.3	190.8	181.7	161.3	157.8	155.7	155.0
5°	242.0	230.1	204.1	172.6	148.0	142.4	139.6	139.6	138.2	138.9	139.6
7.5°	214.7	198.5	159.2	134.7	138.9	138.9	139.6	136.1	124.9	126.3	124.2
10°	188.0	167.7	120.0	109.4	120.0	120.7	136.8	143.1	145.2	145.9	145.9
12.5°	173.3	144.5	103.8	107.3	96.8	110.8	130.5	145.9	132.6	125.6	125.6
15°	199.2	171.2	116.4	94.0	95.4	110.8	98.9	138.2	143.1	144.5	144.5
17.5°	178.9	150.8	106.6	96.8	106.6	91.2	111.5	127.0	121.4	115.0	114.3
20°	214.7	178.2	119.3	94.7	94.0	108.0	98.9	103.8	129.8	130.5	129.8
22.5°	167.0	142.4	105.9	107.3	94.0	103.1	97.5	107.3	102.4	101.7	102.4
25°	231.5	184.5	122.1	92.6	98.2	91.2	98.2	90.5	108.7	110.1	110.8
27.5°	283.4	220.3	129.8	100.3	85.6	93.3	87.7	90.5	84.2	87.7	89.1
30°	337.4	256.7	158.5	110.8	90.5	80.0	81.4	80.7	91.2	90.5	89.1
32.5°	355.0	261.7	151.5	115.7	89.8	80.7	74.4	79.3	87.0	93.3	94.0
35°	372.5	265.2	145.9	110.8	87.7	75.8	73.0	81.4	87.7	88.4	90.5
37.5°	392.8	268.0	140.3	103.8	81.4	74.4	72.3	75.8	89.8	88.4	86.3
40°	411.8	269.4	133.3	97.5	74.4	73.0	67.3	75.8	79.3	82.1	83.5
42.5°	445.4	277.8	127.7	91.9	69.4	69.4	64.5	70.9	81.4	82.8	82.1
45°	470.0	275.0	120.0	87.0	64.5	61.7	63.1	77.2	82.1	90.5	89.1
47.5°	505.1	282.0	110.8	79.3	60.3	56.8	59.6	75.1	84.2	90.5	91.9
50°	539.5	280.6	103.1	73.0	57.5	54.0	65.9	73.0	82.8	93.3	93.3
52.5°	584.3	282.7	99.6	67.3	54.0	54.0	68.0	73.7	84.9	91.9	91.9
55°	624.3	275.0	91.2	65.2	53.3	51.9	68.7	76.5	85.6	91.9	92.6
57.5°	653.8	259.6	84.9	63.1	52.6	53.3	68.7	82.8	80.0	91.9	94.0
60°	686.1	242.7	79.3	63.1	52.6	55.4	70.9	87.7	87.7	96.1	96.1
62.5°	730.3	232.2	76.5	63.8	51.2	57.5	77.2	95.4	88.4	101.7	102.4
65°	767.4	218.2	74.4	66.6	51.9	60.3	80.7	101.7	92.6	108.0	107.3
67.5°	768.1	197.1	71.6	69.4	52.6	62.4	80.7	105.9	97.5	113.6	111.5
70°	734.5	176.1	67.3	69.4	54.7	64.5	80.7	108.7	98.2	122.8	120.7
72.5°	662.2	143.8	61.0	66.6	58.2	67.3	84.9	108.0	98.2	132.6	130.5
75°	563.3	115.0	52.6	61.0	58.2	70.9	87.7	107.3	94.7	126.3	122.1
77.5°	428.6	94.0	44.2	53.3	55.4	72.3	87.7	105.9	91.9	117.9	115.0
80°	221.0	65.9	35.8	45.6	51.9	70.9	87.0	100.3	82.1	104.5	103.1
82.5°	121.4	48.4	28.8	33.7	43.5	66.6	84.2	90.5	72.3	85.6	82.1
85°	78.6	35.1	23.1	27.4	36.5	55.4	70.9	71.6	51.2	61.7	58.2
87.5°	58.9	20.3	14.7	16.8	25.3	30.9	44.9	46.3	32.3	37.9	35.8
90°	61.7	20.3	15.4	17.5	22.4	23.1	33.0	35.1	25.3	28.8	28.8
92.5°	65.9	20.3	16.1	18.2	20.3	18.2	26.0	28.8	21.0	23.1	22.4
95°	67.3	19.6	17.5	18.9	18.2	14.7	21.0	23.1	17.5	17.5	17.5
97.5°	49.1	14.0	17.5	18.9	16.8	11.9	16.1	18.2	11.2	9.1	9.1
100°	13.3	7.0	16.8	18.2	14.7	9.8	14.0	14.0	7.0	4.9	4.9
102.5°	5.6	5.6	14.7	16.1	11.2	6.3	9.8	9.8	4.9	2.1	2.1
105°	5.6	4.2	10.5	11.9	7.7	3.5	4.9	5.6	3.5	2.1	2.1
107.5°	5.6	4.2	4.9	6.3	3.5	2.8	2.8	2.8	2.1	2.1	2.1
110°	6.3	4.2	2.8	3.5	2.8	2.1	2.1	2.1	2.1	2.8	3.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.0	4.9	2.8	3.5	2.8	2.1	2.1	2.1	2.8	6.3	6.3
115°	6.3	4.2	2.8	2.8	2.1	2.1	1.4	1.4	2.8	7.7	7.7
117.5°	7.0	4.9	2.8	2.8	2.1	1.4	1.4	1.4	3.5	9.1	9.1
120°	8.4	5.6	2.8	2.1	1.4	1.4	1.4	1.4	4.2	9.8	9.8
122.5°	9.1	6.3	2.8	2.1	1.4	0.7	1.4	2.1	4.9	9.8	9.8
125°	7.7	5.6	2.8	2.1	1.4	0.7	1.4	2.1	4.9	9.1	9.8
127.5°	7.0	4.9	2.8	1.4	1.4	0.7	0.7	2.1	4.2	7.0	8.4
130°	5.6	4.2	2.1	1.4	1.4	0.7	0.7	1.4	4.2	6.3	7.7
132.5°	4.9	3.5	2.1	1.4	1.4	0.7	0.7	1.4	4.2	5.6	5.6
135°	3.5	2.8	1.4	1.4	1.4	0.7	1.4	0.7	2.8	4.9	4.9
137.5°	2.1	1.4	1.4	1.4	1.4	0.7	0.7	0.7	2.1	2.8	2.8
140°	0.7	0.7	1.4	1.4	1.4	0.7	0.7	0.7	1.4	1.4	1.4
142.5°	0.7	0.7	1.4	1.4	1.4	0.7	0.7	0.7	1.4	1.4	1.4
145°	0.7	0.7	0.7	1.4	1.4	0.7	0.7	0.7	0.7	0.7	1.4
147.5°	0.7	0.7	0.7	1.4	0.7	0.7	0.7	0.7	0.7	0.7	1.4
150°	0.7	0.7	0.7	1.4	1.4	0.7	0.7	1.4	1.4	1.4	1.4
152.5°	0.7	0.7	1.4	1.4	0.7	0.7	0.7	1.4	1.4	1.4	1.4
155°	2.1	2.1	1.4	1.4	0.7	0.7	0.0	0.7	1.4	1.4	1.4
157.5°	0.7	0.7	1.4	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
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)