

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: P560200

Luminaire Tested: **SDL-PA1-30-740-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560200
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-PA1-30-740-U-SL3-A
Description: Springdale
(1) 70 CRI, 4000K, 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: 3537.6 lumens
Efficiency: N/A
Efficacy: 117.5 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 - U3 - 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

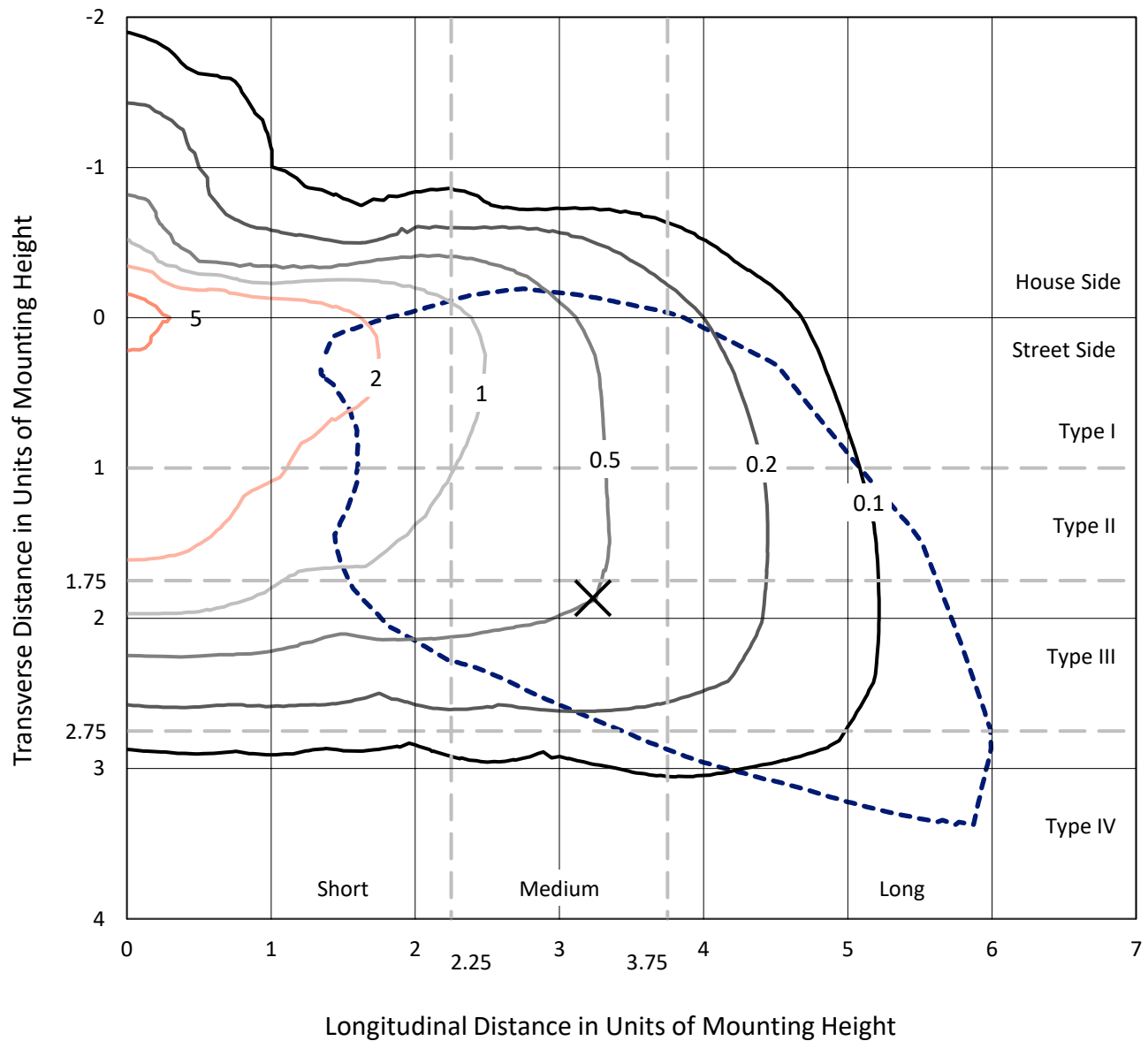


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

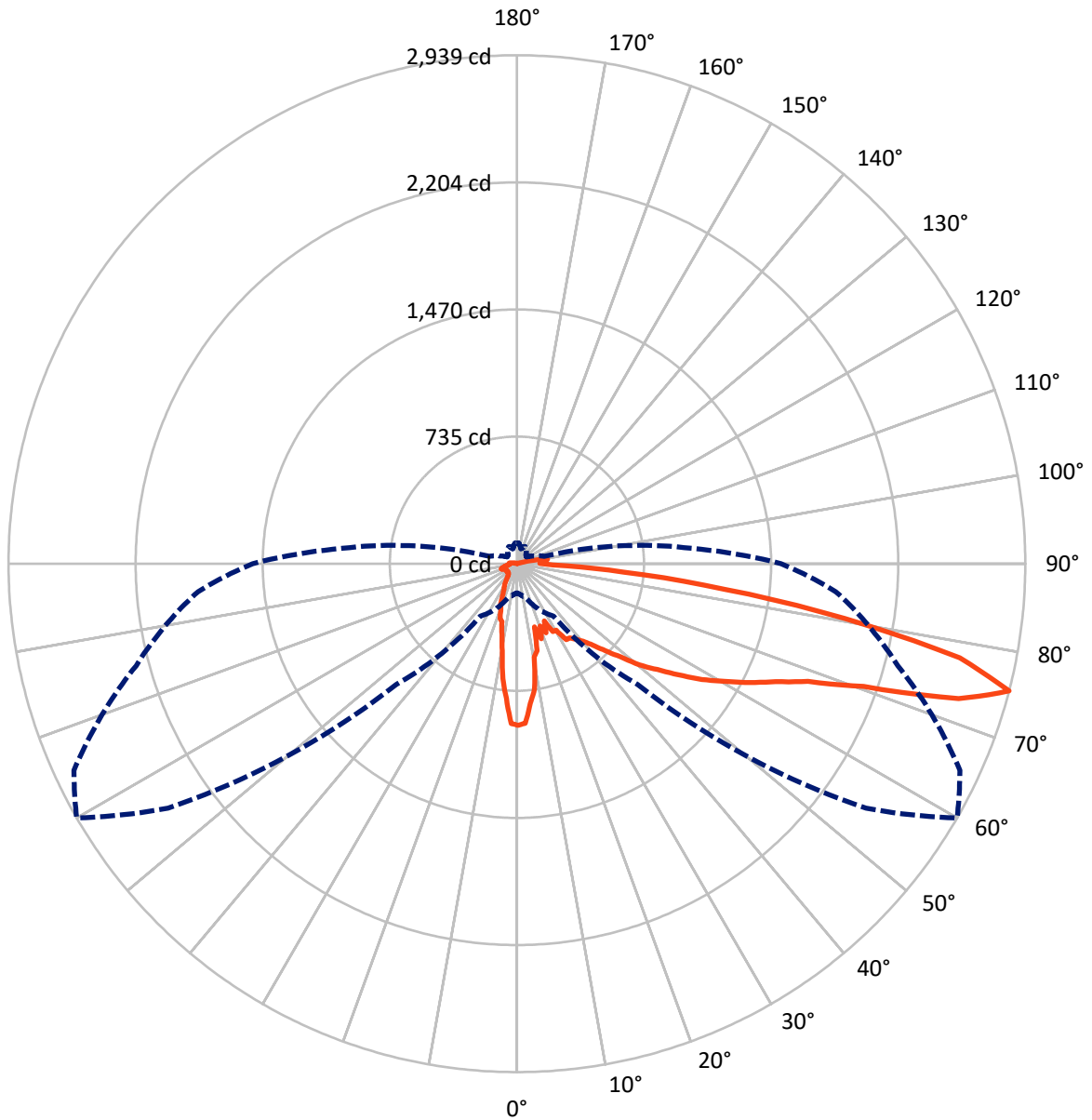


Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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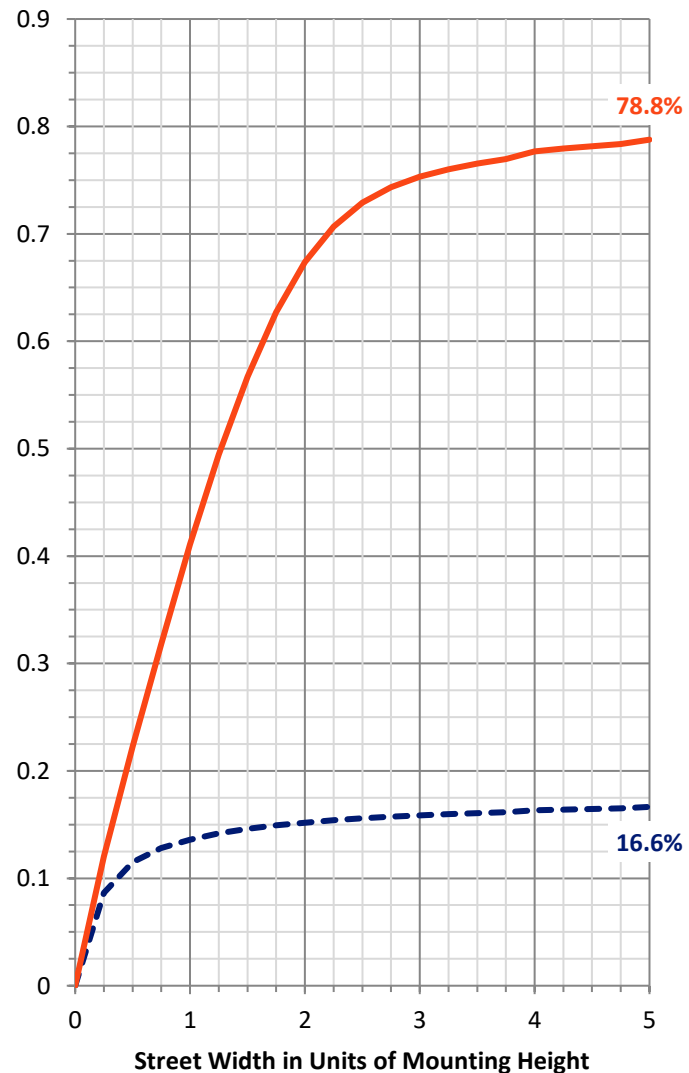
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	621.1	47.1	668.2
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	2819.6	49.8	2869.5
	% Fixture	79.7	1.4	81.1
Total	Lumens	3440.7	96.9	3537.6
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.7	1.9
10°-20°	122.3	3.5
20°-30°	158.5	4.5
30°-40°	264.2	7.5
40°-50°	423.0	12.0
50°-60°	649.5	18.4
60°-70°	811.6	22.9
70°-80°	740.2	20.9
80°-90°	202.6	5.7
90°-100°	68.0	1.9
100°-110°	15.5	0.4
110°-120°	4.9	0.1
120°-130°	4.6	0.1
130°-140°	2.2	0.1
140°-150°	0.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3440.7	97.3
0°-180°	3537.6	100.0

Coefficient of Utilization



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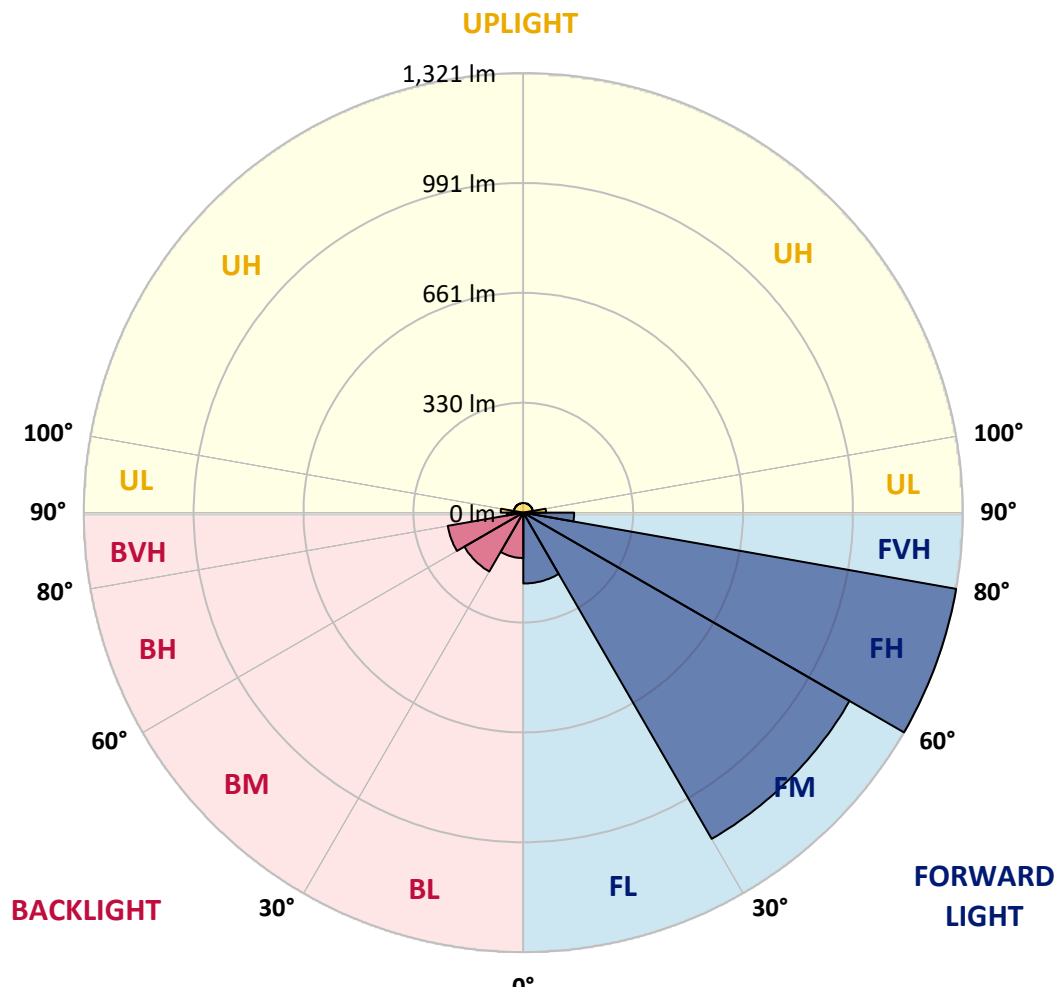
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	213.1	6.0			
FM	(30°-60°)	1132.4	32.0			
FH	(60°-80°)	1321.3	37.4			G1/1800
FVH	(80°-90°)	152.8	4.3			G2/225
BL	(0°-30°)	136.5	3.9	B1/500		
BM	(30°-60°)	204.4	5.8	B0/220		
BH	(60°-80°)	230.4	6.5	B1/500		G1/500
BVH	(80°-90°)	49.7	1.4			G1/100
UL	(90°-100°)	68.0	1.9		U3/500	
UH	(100°-180°)	28.9	0.8		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2
2.5°	783.8	856.9	850.0	906.6	906.6	919.0	924.6	923.2	928.7	934.2	932.8
5°	721.7	723.1	728.6	741.0	745.2	749.3	763.1	811.4	892.8	912.1	912.1
7.5°	596.1	629.2	670.6	677.5	702.4	714.8	730.0	732.7	677.5	776.9	786.6
10°	604.4	605.8	603.0	618.2	600.3	593.4	545.1	547.8	553.4	590.6	665.1
12.5°	473.3	500.9	560.3	587.9	543.7	495.4	492.6	516.1	525.8	470.6	586.5
15°	540.9	543.7	545.1	546.5	405.7	470.6	411.2	378.1	423.6	534.0	607.2
17.5°	423.6	426.4	491.3	489.9	447.1	361.5	447.1	456.8	438.8	454.0	507.8
20°	496.8	498.2	494.0	383.6	391.9	443.0	385.0	383.6	405.7	523.0	590.6
22.5°	408.5	402.9	401.6	438.8	398.8	426.4	374.0	433.3	470.6	466.4	445.7
25°	512.0	510.6	489.9	382.2	408.5	361.5	437.4	367.1	407.1	564.4	590.6
27.5°	478.8	459.5	425.0	441.6	380.9	423.6	389.1	444.3	469.2	579.6	684.4
30°	619.6	605.8	565.8	445.7	420.9	390.5	416.7	445.7	534.0	746.5	782.4
32.5°	818.3	803.1	659.6	546.5	441.6	462.3	438.8	523.0	589.2	761.7	789.3
35°	879.0	858.3	787.9	662.4	506.4	491.3	467.8	527.1	597.5	801.7	801.7
37.5°	913.5	912.1	879.0	731.4	571.3	563.0	503.7	553.4	630.6	840.4	832.1
40°	919.0	925.9	941.1	792.1	648.6	630.6	550.6	589.2	677.5	887.3	870.7
42.5°	964.6	977.0	1011.5	872.1	725.8	709.3	605.8	641.7	728.6	956.3	952.2
45°	1037.7	1050.1	1080.5	960.4	793.5	782.4	695.5	717.6	811.4	1077.7	1039.1
47.5°	1189.5	1192.3	1179.8	1033.6	866.6	866.6	782.4	803.1	885.9	1189.5	1152.2
50°	1341.3	1324.7	1269.5	1120.5	939.7	960.4	872.1	920.4	970.1	1302.7	1251.6
52.5°	1425.5	1422.7	1348.2	1186.7	1003.2	1043.2	975.6	1017.0	1047.4	1417.2	1345.4
55°	1428.2	1424.1	1373.0	1218.5	1062.5	1128.8	1079.1	1132.9	1155.0	1506.9	1473.8
57.5°	1382.7	1393.7	1367.5	1236.4	1091.5	1211.6	1204.7	1262.6	1273.7	1613.1	1562.1
60°	1310.9	1309.6	1341.3	1253.0	1135.7	1290.2	1320.6	1379.9	1439.3	1694.6	1640.7
62.5°	1131.5	1144.0	1233.7	1253.0	1184.0	1392.4	1450.3	1512.4	1585.5	1769.1	1711.1
65°	885.9	892.8	1033.6	1161.9	1197.8	1529.0	1581.4	1643.5	1720.8	1845.0	1789.8
67.5°	535.4	581.0	702.4	956.3	1127.4	1693.2	1789.8	1816.0	1860.1	1930.5	1905.7
70°	305.0	318.8	376.7	601.7	941.1	1745.6	2173.4	2126.5	2080.9	2097.5	2050.6
72.5°	231.8	240.1	266.3	356.0	563.0	1541.4	2496.3	2670.2	2474.2	2271.4	2046.4
75°	168.4	176.6	202.9	287.0	369.8	988.0	2463.2	2939.3	2826.1	2279.6	1850.5
77.5°	104.9	106.3	121.4	244.2	332.6	495.4	1927.8	2617.7	2667.4	2129.2	1534.5
80°	73.1	74.5	77.3	131.1	306.3	397.4	1294.4	1922.2	1992.6	1482.0	782.4
82.5°	52.4	55.2	58.0	77.3	198.7	379.5	805.9	1210.2	1066.7	536.8	317.4
85°	27.6	30.4	37.3	46.9	80.0	412.6	483.0	615.4	487.1	218.0	189.1
87.5°	11.0	9.7	8.3	12.4	22.1	158.7	187.7	207.0	160.1	122.8	150.4
90°	9.7	8.3	5.5	6.9	9.7	56.6	118.7	132.5	110.4	120.1	151.8
92.5°	9.7	8.3	5.5	5.5	9.7	56.6	142.1	144.9	114.5	122.8	158.7
95°	9.7	9.7	5.5	5.5	9.7	51.1	168.4	165.6	118.7	129.7	168.4
97.5°	9.7	9.7	4.1	5.5	9.7	34.5	173.9	179.4	115.9	92.5	139.4
100°	9.7	9.7	4.1	4.1	8.3	22.1	121.4	131.1	85.6	30.4	34.5
102.5°	9.7	9.7	4.1	4.1	5.5	15.2	53.8	64.9	51.1	9.7	11.0
105°	9.7	11.0	2.8	2.8	4.1	8.3	23.5	26.2	20.7	6.9	12.4
107.5°	11.0	12.4	2.8	2.8	2.8	4.1	8.3	9.7	5.5	5.5	12.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	9.7	8.3	1.4	2.8	2.8	2.8	2.8	2.8	2.8	5.5	13.8
115°	5.5	4.1	1.4	2.8	2.8	2.8	1.4	2.8	4.1	5.5	12.4
117.5°	5.5	4.1	1.4	1.4	1.4	2.8	1.4	1.4	4.1	6.9	15.2
120°	4.1	4.1	1.4	1.4	1.4	1.4	1.4	2.8	2.8	9.7	20.7
122.5°	4.1	4.1	1.4	1.4	1.4	1.4	1.4	2.8	2.8	9.7	20.7
125°	5.5	5.5	2.8	1.4	1.4	1.4	1.4	2.8	2.8	8.3	19.3
127.5°	4.1	4.1	2.8	1.4	1.4	1.4	1.4	2.8	2.8	6.9	15.2
130°	4.1	4.1	2.8	1.4	1.4	1.4	1.4	2.8	1.4	6.9	12.4
132.5°	4.1	4.1	2.8	1.4	1.4	1.4	1.4	1.4	1.4	4.1	9.7
135°	4.1	4.1	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	6.9
137.5°	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
140°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	1.4	1.4	1.4	1.4	2.8	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4
150°	2.8	2.8	5.5	4.1	2.8	1.4	1.4	1.4	1.4	1.4	1.4
152.5°	5.5	5.5	5.5	4.1	1.4	1.4	2.8	4.1	1.4	1.4	1.4
155°	4.1	4.1	4.1	1.4	1.4	1.4	1.4	1.4	2.8	4.1	4.1
157.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
160°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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°	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2
2.5°	928.7	931.5	928.7	925.9	923.2	914.9	858.3	789.3	783.8	789.3	786.6
5°	905.2	905.2	903.9	808.6	752.1	735.5	731.4	727.2	718.9	714.8	717.6
7.5°	781.0	776.9	728.6	643.0	696.9	677.5	666.5	661.0	578.2	547.8	550.6
10°	652.7	652.7	542.3	512.0	509.2	517.5	574.1	569.9	558.9	552.0	558.9
12.5°	563.0	586.5	430.5	460.9	374.0	414.0	452.6	480.2	396.0	372.6	376.7
15°	597.5	589.2	473.3	361.5	329.8	347.7	278.7	349.1	343.6	332.6	331.2
17.5°	521.6	478.8	394.7	339.5	325.7	245.6	238.7	247.0	226.3	207.0	216.6
20°	567.2	543.7	418.1	302.2	251.1	223.5	168.4	157.3	200.1	209.7	208.4
22.5°	473.3	394.7	342.2	300.8	202.9	160.1	127.0	139.4	149.0	158.7	162.8
25°	556.1	513.3	374.0	224.9	164.2	117.3	114.5	103.5	155.9	178.0	176.6
27.5°	641.7	581.0	360.2	211.1	118.7	100.7	92.5	104.9	109.0	122.8	131.1
30°	717.6	644.4	416.7	196.0	99.4	75.9	82.8	85.6	106.3	114.5	114.5
32.5°	714.8	626.5	372.6	167.0	81.4	69.0	69.0	81.4	93.8	113.2	114.5
35°	713.4	612.7	332.6	129.7	71.8	60.7	63.5	77.3	93.8	104.9	106.3
37.5°	730.0	608.6	292.5	104.9	64.9	58.0	60.7	73.1	100.7	111.8	111.8
40°	754.8	611.3	252.5	89.7	62.1	56.6	58.0	77.3	91.1	100.7	100.7
42.5°	830.7	651.3	218.0	82.8	62.1	55.2	55.2	71.8	92.5	109.0	110.4
45°	887.3	683.1	191.8	82.8	60.7	52.4	58.0	71.8	81.4	120.1	128.3
47.5°	978.4	741.0	167.0	82.8	60.7	51.1	53.8	70.4	85.6	138.0	143.5
50°	1069.4	799.0	155.9	82.8	60.7	49.7	60.7	67.6	85.6	143.5	147.7
52.5°	1166.0	870.7	149.0	82.8	60.7	52.4	66.2	81.4	92.5	128.3	127.0
55°	1265.4	934.2	144.9	85.6	60.7	52.4	71.8	75.9	78.7	99.4	102.1
57.5°	1357.9	1011.5	153.2	85.6	59.3	55.2	67.6	74.5	69.0	86.9	88.3
60°	1431.0	1081.9	173.9	82.8	58.0	55.2	69.0	81.4	77.3	95.2	98.0
62.5°	1515.2	1156.4	222.2	84.2	58.0	56.6	77.3	88.3	78.7	93.8	99.4
65°	1625.6	1269.5	276.0	92.5	59.3	59.3	78.7	95.2	78.7	92.5	92.5
67.5°	1749.8	1374.4	276.0	107.6	63.5	63.5	78.7	100.7	84.2	92.5	92.5
70°	1840.8	1379.9	227.7	118.7	69.0	67.6	81.4	104.9	85.6	102.1	100.7
72.5°	1740.1	1229.5	189.1	117.3	74.5	70.4	92.5	107.6	86.9	115.9	114.5
75°	1527.6	1014.3	164.2	104.9	67.6	71.8	96.6	110.4	88.3	121.4	118.7
77.5°	1204.7	739.6	139.4	88.3	59.3	69.0	99.4	113.2	91.1	128.3	127.0
80°	583.7	371.2	113.2	74.5	53.8	66.2	99.4	111.8	89.7	132.5	132.5
82.5°	263.6	184.9	77.3	51.1	53.8	67.6	102.1	113.2	89.7	129.7	128.3
85°	171.1	127.0	49.7	40.0	53.8	77.3	103.5	107.6	85.6	120.1	120.1
87.5°	128.3	88.3	26.2	24.8	59.3	84.2	103.5	99.4	82.8	113.2	110.4
90°	131.1	93.8	27.6	24.8	63.5	85.6	103.5	98.0	80.0	102.1	102.1
92.5°	142.1	103.5	31.7	27.6	64.9	77.3	98.0	88.3	74.5	88.3	86.9
95°	154.6	115.9	37.3	31.7	56.6	56.6	77.3	71.8	63.5	67.6	67.6
97.5°	113.2	82.8	33.1	34.5	42.8	35.9	51.1	48.3	33.1	30.4	29.0
100°	33.1	27.6	30.4	33.1	30.4	26.2	38.6	37.3	22.1	11.0	11.0
102.5°	12.4	13.8	27.6	30.4	23.5	19.3	27.6	30.4	17.9	2.8	4.1
105°	11.0	9.7	19.3	23.5	13.8	11.0	13.8	19.3	11.0	2.8	2.8
107.5°	12.4	9.7	9.7	12.4	5.5	5.5	5.5	6.9	4.1	2.8	2.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.4	9.7	5.5	5.5	4.1	4.1	2.8	2.8	4.1	6.9	6.9
115°	13.8	11.0	5.5	4.1	2.8	4.1	2.8	1.4	4.1	9.7	9.7
117.5°	16.6	12.4	4.1	4.1	2.8	2.8	2.8	1.4	4.1	12.4	13.8
120°	20.7	15.2	5.5	2.8	2.8	2.8	2.8	1.4	5.5	13.8	15.2
122.5°	20.7	16.6	5.5	2.8	2.8	1.4	1.4	2.8	5.5	13.8	15.2
125°	19.3	15.2	5.5	2.8	2.8	1.4	1.4	1.4	6.9	13.8	15.2
127.5°	15.2	13.8	5.5	2.8	1.4	1.4	1.4	2.8	5.5	12.4	12.4
130°	12.4	11.0	4.1	2.8	1.4	1.4	1.4	1.4	5.5	9.7	11.0
132.5°	9.7	8.3	4.1	2.8	1.4	1.4	1.4	1.4	5.5	9.7	9.7
135°	6.9	6.9	2.8	1.4	1.4	1.4	1.4	1.4	4.1	6.9	8.3
137.5°	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	2.8	4.1	4.1
140°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	2.8	2.8
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	2.8
145°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
150°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
152.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	2.8	2.8
155°	4.1	4.1	4.1	2.8	1.4	0.0	0.0	0.0	1.4	1.4	2.8
157.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	1.4	1.4	1.4
160°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4
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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110°	12.4	12.4	2.8	2.8	2.8	4.1	2.8	2.8	4.1	5.5	13.8
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110°	12.4	9.7	5.5	5.5	4.1	4.1	4.1	2.8	2.8	2.8	2.8
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(END OF REPORT)