

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: P560003

Luminaire Tested: **SDL-PA1-20-730-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560003
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-PA1-20-730-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 260mA 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: 1970.7 lumens
Efficiency: N/A
Efficacy: 93.8 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): 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



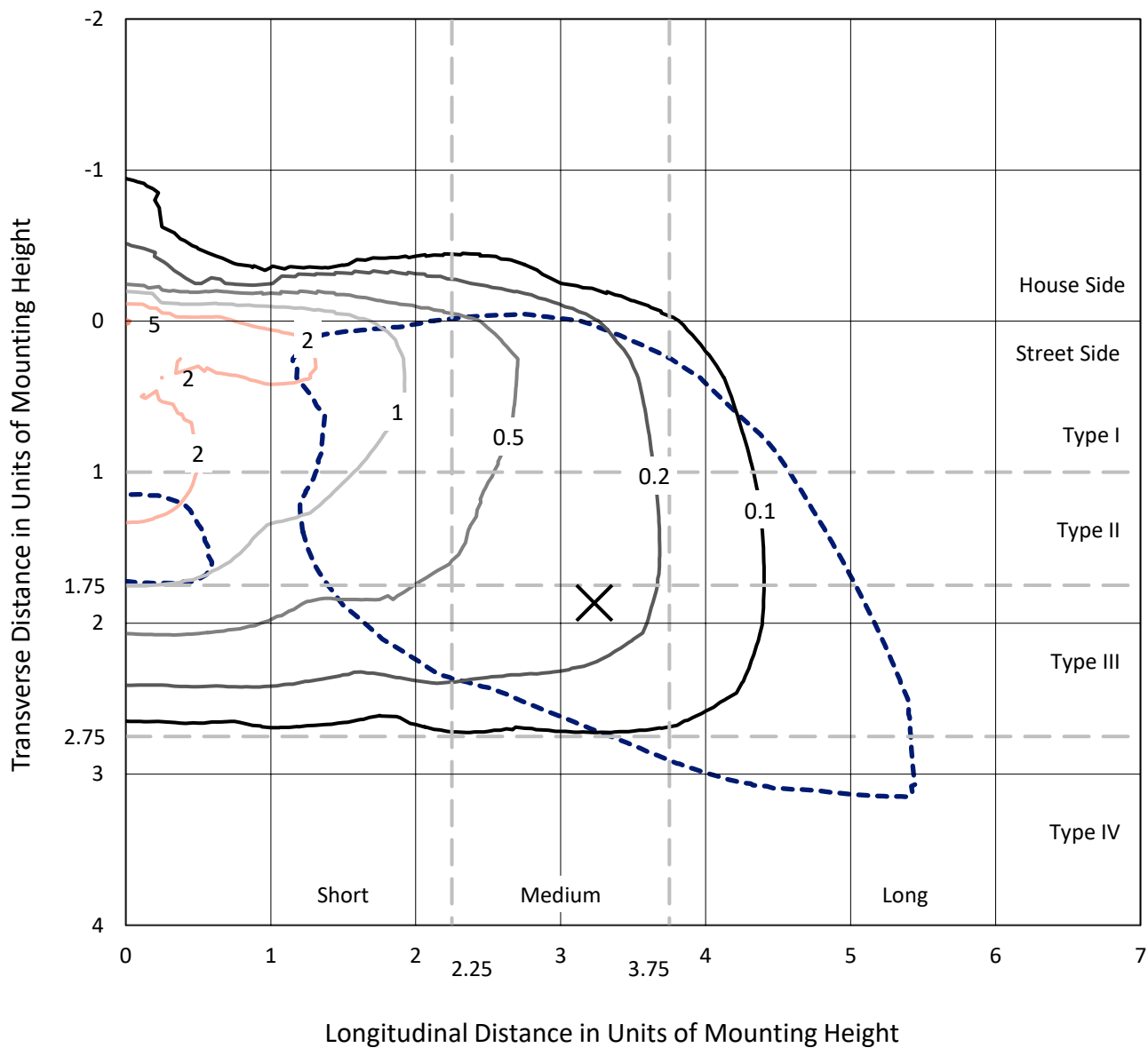
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

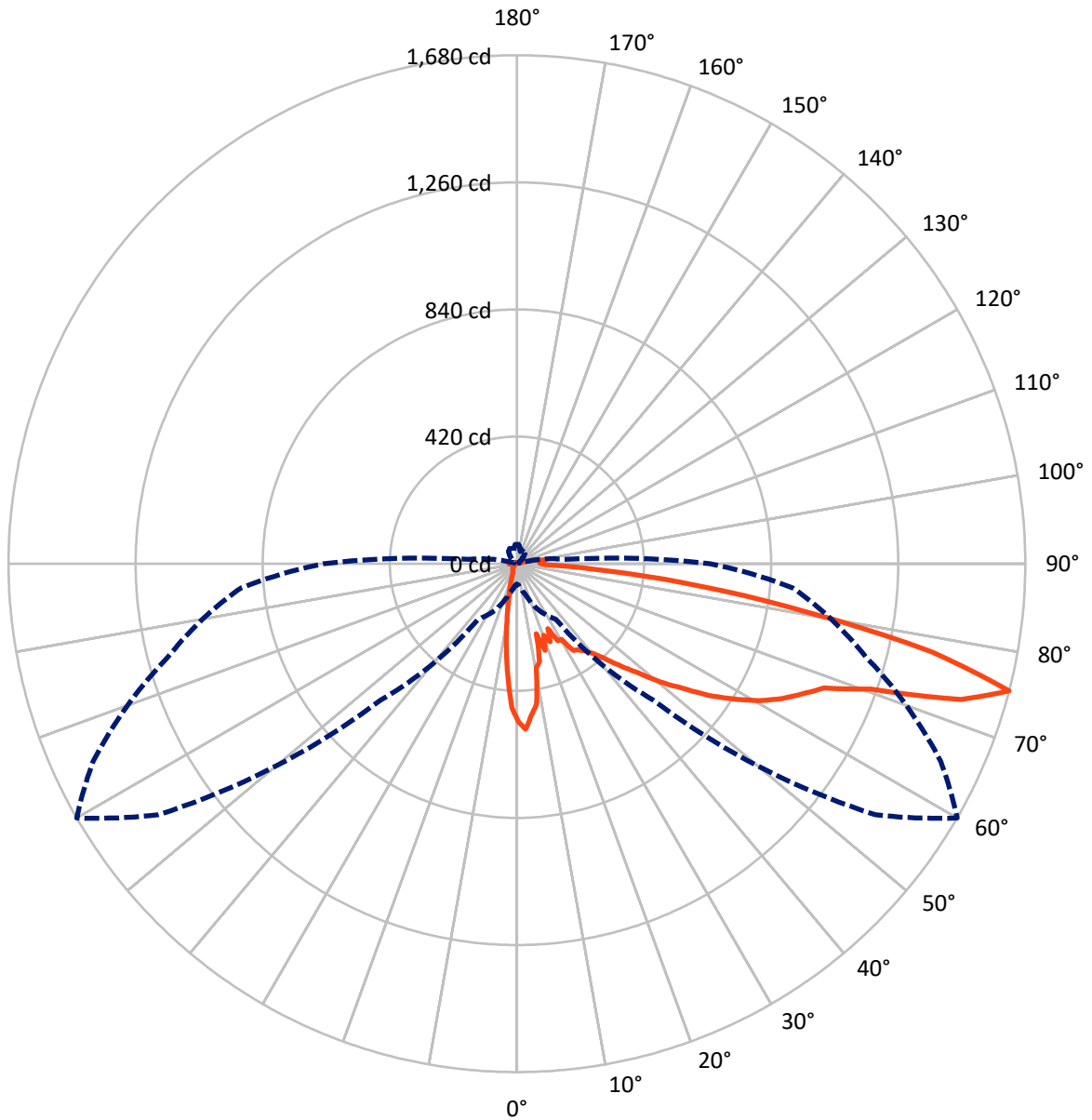


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc

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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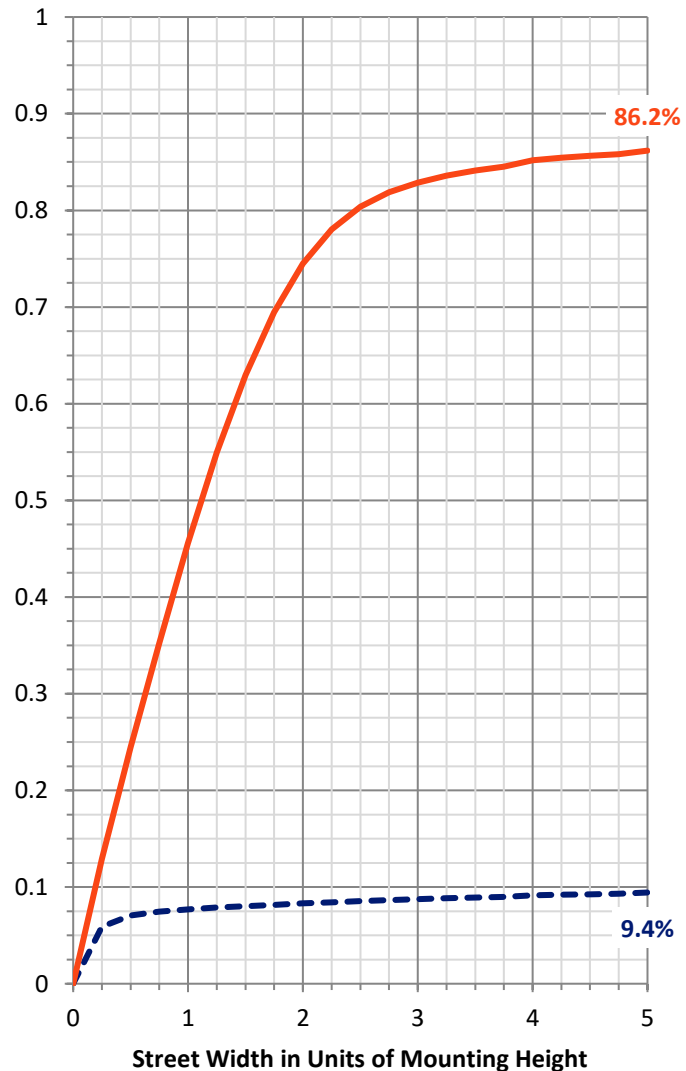
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	203.7	26.5	230.2
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	1712.8	27.7	1740.5
	% Fixture	86.9	1.4	88.3
Total	Lumens	1916.5	54.3	1970.7
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	1.8
10°-20°	59.3	3.0
20°-30°	83.8	4.3
30°-40°	150.7	7.6
40°-50°	253.9	12.9
50°-60°	394.9	20.0
60°-70°	466.0	23.6
70°-80°	378.0	19.2
80°-90°	93.8	4.8
90°-100°	37.9	1.9
100°-110°	8.8	0.4
110°-120°	2.7	0.1
120°-130°	2.4	0.1
130°-140°	1.3	0.1
140°-150°	0.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1916.5	97.2
0°-180°	1970.7	100.0



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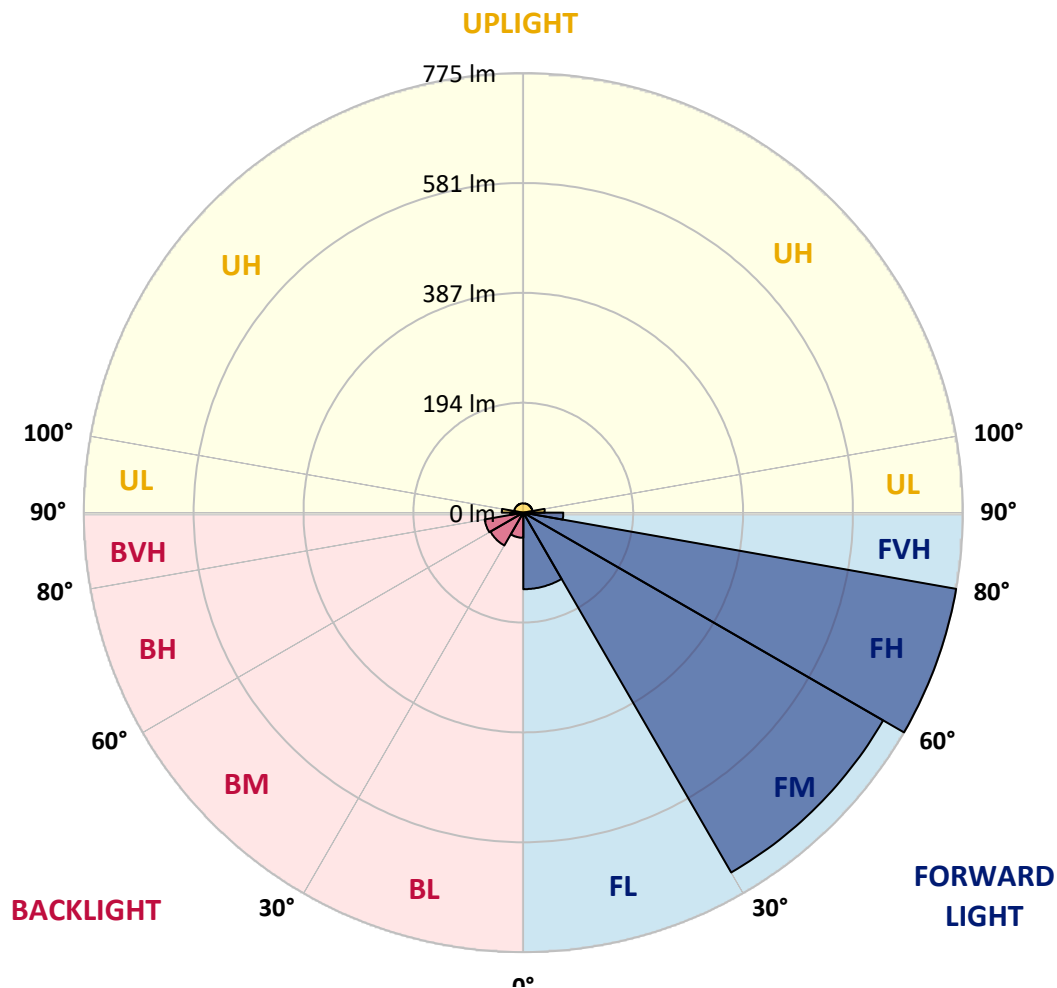
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.0	6.8			
FM	(30°-60°)	732.5	37.2			
FH	(60°-80°)	774.8	39.3			G1/1800
FVH	(80°-90°)	70.6	3.6			G1/100
BL	(0°-30°)	44.3	2.2	B0/110		
BM	(30°-60°)	66.9	3.4	B0/220		
BH	(60°-80°)	69.1	3.5	B0/110		G0/110
BVH	(80°-90°)	23.3	1.2			G1/100
UL	(90°-100°)	37.9	1.9		U2/50	
UH	(100°-180°)	16.4	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°	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0
2.5°	490.0	527.3	516.4	551.0	555.6	553.8	551.9	547.4	542.8	534.6	521.9
5°	470.0	473.6	470.9	477.2	478.2	480.9	476.3	501.8	544.6	533.7	513.7
7.5°	386.2	424.4	429.0	440.8	451.7	462.7	469.0	468.1	413.5	464.5	441.7
10°	394.4	399.8	398.9	407.1	398.0	382.5	348.8	349.7	349.7	360.7	372.5
12.5°	312.4	328.8	368.9	381.6	354.3	322.4	325.1	331.5	336.1	285.1	314.2
15°	354.3	355.2	356.1	356.1	266.9	305.1	265.9	240.4	275.1	337.0	342.5
17.5°	277.8	275.1	320.6	316.9	294.2	226.8	295.1	301.5	289.6	283.3	285.1
20°	326.1	326.1	323.3	257.7	271.4	292.4	253.2	252.3	266.9	331.5	335.2
22.5°	264.1	261.4	276.0	286.9	257.7	278.7	249.6	280.5	310.6	293.3	239.5
25°	330.6	330.6	319.7	248.6	266.9	239.5	276.9	237.7	264.1	358.8	341.5
27.5°	306.0	297.8	272.3	282.3	239.5	278.7	255.0	288.7	305.1	371.6	398.0
30°	395.3	392.5	363.4	284.2	272.3	255.9	274.1	290.5	351.6	481.8	459.9
32.5°	527.3	512.8	413.5	351.6	286.0	303.3	292.4	341.5	386.2	492.7	466.3
35°	562.9	551.9	504.6	427.2	320.6	320.6	314.2	348.8	396.2	516.4	480.0
37.5°	574.7	573.8	557.4	467.2	368.0	368.9	332.4	366.1	416.2	548.3	500.0
40°	582.0	583.8	600.2	509.1	418.0	416.2	366.1	390.7	447.2	582.9	536.4
42.5°	613.0	623.0	643.0	555.6	465.4	466.3	407.1	429.9	488.2	640.3	586.5
45°	682.2	684.9	696.7	619.3	510.0	516.4	459.0	482.7	538.3	703.1	643.0
47.5°	786.9	786.9	766.9	669.4	562.9	572.0	513.7	538.3	597.5	795.1	708.6
50°	879.8	872.5	828.8	728.6	605.7	625.7	585.6	613.9	647.6	865.2	790.6
52.5°	938.1	935.4	881.6	768.7	651.2	684.9	644.8	681.3	705.9	938.1	864.3
55°	929.9	929.9	895.3	789.6	693.1	738.6	721.3	766.9	776.0	1007.3	918.1
57.5°	898.9	903.5	887.1	797.8	701.3	789.6	799.7	842.5	858.0	1047.4	951.8
60°	836.1	845.2	862.5	808.8	733.2	847.0	879.8	918.1	947.2	1077.4	980.0
62.5°	718.6	730.4	791.5	807.9	757.8	906.2	948.1	981.8	1009.1	1093.8	1000.0
65°	544.6	566.5	654.8	749.6	755.9	975.4	1003.7	1036.5	1062.9	1110.2	1051.9
67.5°	347.9	348.8	444.5	619.3	704.9	1072.9	1078.4	1094.8	1112.1	1155.8	1125.7
70°	179.4	188.5	234.1	395.3	577.4	1092.9	1265.1	1241.4	1215.0	1255.0	1221.3
72.5°	119.3	129.3	153.9	213.1	362.5	985.5	1468.2	1533.7	1417.2	1328.8	1137.6
75°	67.4	72.9	102.9	168.5	224.1	636.6	1445.4	1679.5	1544.7	1194.0	914.4
77.5°	30.1	31.9	46.4	132.1	192.2	310.6	1137.6	1403.5	1349.8	995.5	659.4
80°	16.4	16.4	21.9	61.0	163.0	234.1	755.0	977.3	918.1	600.2	299.6
82.5°	9.1	10.0	12.8	29.1	99.3	214.0	477.2	613.0	484.5	164.9	121.1
85°	3.6	3.6	5.5	15.5	36.4	181.2	261.4	291.4	195.8	83.8	93.8
87.5°	1.8	1.8	1.8	5.5	11.8	46.4	85.6	92.0	72.0	66.5	81.1
90°	2.7	2.7	1.8	1.8	8.2	49.2	72.0	75.6	59.2	66.5	82.0
92.5°	3.6	2.7	1.8	1.8	6.4	49.2	82.0	81.1	59.2	66.5	84.7
95°	4.6	3.6	1.8	1.8	6.4	43.7	98.4	88.3	63.8	67.4	89.3
97.5°	4.6	4.6	1.8	1.8	6.4	33.7	103.8	89.3	55.6	43.7	61.0
100°	5.5	5.5	1.8	1.8	7.3	20.0	72.0	66.5	39.2	14.6	17.3
102.5°	6.4	6.4	1.8	1.8	4.6	10.0	34.6	33.7	21.9	3.6	6.4
105°	6.4	7.3	1.8	1.8	1.8	4.6	12.8	15.5	10.9	3.6	6.4
107.5°	7.3	8.2	1.8	1.8	1.8	2.7	5.5	5.5	3.6	3.6	6.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	5.5	5.5	0.9	1.8	1.8	1.8	0.9	1.8	1.8	2.7	5.5
115°	2.7	1.8	0.9	1.8	0.9	1.8	0.9	1.8	2.7	2.7	6.4
117.5°	0.9	0.9	0.9	0.9	0.9	1.8	0.9	1.8	1.8	4.6	8.2
120°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	6.4	10.0
122.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	6.4	11.8
125°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	4.6	10.9
127.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	4.6	9.1
130°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	3.6	8.2
132.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	3.6	6.4
135°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	4.6
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
140°	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
142.5°	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
145°	0.9	0.9	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	0.9	0.9	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
150°	3.6	3.6	3.6	2.7	1.8	0.9	2.7	1.8	0.9	0.9	0.9
152.5°	2.7	2.7	4.6	1.8	0.9	0.9	0.9	2.7	2.7	0.9	0.9
155°	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9	2.7	3.6
157.5°	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9	1.8	0.9
160°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0
2.5°	517.3	511.9	497.3	483.6	467.2	457.2	422.6	383.4	375.2	373.4	367.0
5°	504.6	492.7	464.5	404.4	344.3	316.9	304.2	294.2	280.5	277.8	274.1
7.5°	428.1	408.0	364.3	290.5	281.4	255.9	235.0	217.7	180.3	170.3	164.9
10°	356.1	338.8	248.6	211.3	192.2	173.0	150.3	133.0	117.5	110.2	107.5
12.5°	287.8	270.5	185.8	167.6	119.3	98.4	85.6	71.0	59.2	52.8	52.8
15°	318.8	290.5	192.2	119.3	78.3	58.3	42.8	38.3	44.6	45.5	45.5
17.5°	260.5	232.2	151.2	92.9	57.4	31.9	34.6	39.2	42.8	37.3	38.3
20°	299.6	260.5	152.1	70.1	36.4	31.0	31.9	29.1	39.2	40.1	40.1
22.5°	226.8	204.9	114.8	55.6	28.2	29.1	27.3	32.8	36.4	31.9	31.0
25°	293.3	241.4	116.6	35.5	28.2	23.7	28.2	25.5	33.7	34.6	34.6
27.5°	336.1	270.5	102.0	31.0	23.7	25.5	22.8	26.4	25.5	25.5	25.5
30°	381.6	295.1	99.3	30.1	22.8	20.9	21.9	20.9	24.6	25.5	25.5
32.5°	381.6	282.3	75.6	30.1	21.9	20.0	17.3	19.1	20.0	21.9	22.8
35°	384.3	271.4	55.6	27.3	20.0	17.3	15.5	15.5	17.3	18.2	18.2
37.5°	392.5	264.1	42.8	25.5	18.2	15.5	12.8	13.7	23.7	26.4	26.4
40°	415.3	264.1	36.4	23.7	16.4	13.7	10.9	17.3	20.0	23.7	23.7
42.5°	450.8	267.8	34.6	22.8	14.6	11.8	9.1	13.7	24.6	28.2	29.1
45°	488.2	275.1	32.8	21.9	13.7	10.0	10.9	16.4	19.1	25.5	25.5
47.5°	540.1	290.5	31.9	20.9	12.8	8.2	10.0	16.4	20.9	27.3	27.3
50°	596.6	306.9	30.1	20.0	10.9	7.3	15.5	13.7	17.3	28.2	28.2
52.5°	654.8	326.1	29.1	19.1	10.0	10.0	17.3	16.4	20.9	27.3	28.2
55°	705.9	341.5	27.3	19.1	9.1	9.1	18.2	16.4	19.1	25.5	26.4
57.5°	730.4	344.3	26.4	18.2	8.2	9.1	17.3	20.0	17.3	20.9	22.8
60°	761.4	351.6	23.7	16.4	7.3	11.8	20.0	26.4	23.7	27.3	29.1
62.5°	790.6	357.0	20.9	14.6	6.4	12.8	26.4	31.9	25.5	31.9	35.5
65°	844.3	368.9	17.3	11.8	5.5	14.6	30.1	38.3	28.2	37.3	37.3
67.5°	919.0	388.0	13.7	10.0	5.5	16.4	31.0	43.7	33.7	41.0	40.1
70°	948.1	357.0	11.8	9.1	5.5	19.1	33.7	47.4	35.5	45.5	45.5
72.5°	827.0	257.7	10.0	9.1	9.1	21.9	41.9	51.9	39.2	57.4	56.5
75°	638.5	162.1	10.0	9.1	10.9	27.3	47.4	55.6	41.9	63.8	62.8
77.5°	425.3	76.5	10.0	10.0	12.8	30.1	51.0	59.2	46.4	71.0	70.1
80°	166.7	41.9	10.9	10.9	15.5	31.9	54.6	61.0	48.3	76.5	75.6
82.5°	80.1	29.1	10.9	10.9	20.9	35.5	58.3	63.8	50.1	77.4	76.5
85°	68.3	27.3	10.0	11.8	25.5	44.6	61.9	62.8	51.0	73.8	73.8
87.5°	61.0	26.4	10.0	11.8	34.6	51.9	64.7	61.9	54.6	72.0	72.0
90°	62.8	28.2	10.9	13.7	39.2	52.8	65.6	61.9	52.8	66.5	66.5
92.5°	67.4	30.1	11.8	14.6	39.2	49.2	61.0	55.6	49.2	56.5	55.6
95°	71.0	31.9	12.8	16.4	34.6	38.3	51.0	44.6	41.0	43.7	43.7
97.5°	54.6	24.6	14.6	18.2	26.4	22.8	31.9	29.1	21.9	18.2	18.2
100°	14.6	8.2	15.5	18.2	18.2	15.5	23.7	21.9	14.6	6.4	6.4
102.5°	5.5	5.5	14.6	17.3	14.6	11.8	17.3	16.4	11.8	1.8	1.8
105°	5.5	4.6	9.1	13.7	9.1	6.4	9.1	10.9	7.3	1.8	1.8
107.5°	5.5	4.6	5.5	8.2	3.6	2.7	3.6	3.6	3.6	0.9	1.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.5	4.6	2.7	3.6	2.7	2.7	1.8	1.8	2.7	5.5	5.5
115°	5.5	4.6	2.7	2.7	1.8	2.7	1.8	0.9	2.7	6.4	7.3
117.5°	7.3	4.6	1.8	1.8	1.8	1.8	1.8	0.9	2.7	8.2	9.1
120°	9.1	5.5	1.8	1.8	1.8	0.9	1.8	0.9	3.6	8.2	9.1
122.5°	10.0	6.4	1.8	1.8	1.8	0.9	0.9	1.8	3.6	8.2	8.2
125°	10.0	6.4	1.8	1.8	0.9	0.9	0.9	0.9	3.6	8.2	9.1
127.5°	8.2	5.5	1.8	1.8	0.9	0.9	0.9	0.9	3.6	7.3	8.2
130°	7.3	5.5	1.8	1.8	0.9	0.9	0.9	0.9	3.6	6.4	7.3
132.5°	5.5	4.6	1.8	0.9	0.9	0.9	0.9	0.9	3.6	5.5	6.4
135°	4.6	2.7	1.8	0.9	0.9	0.9	0.9	0.9	2.7	5.5	5.5
137.5°	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	2.7
140°	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
142.5°	0.9	1.8	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
145°	0.9	1.8	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
147.5°	0.9	1.8	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
150°	0.9	1.8	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	1.8
152.5°	0.9	1.8	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.9
155°	3.6	2.7	1.8	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9
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°	7.3	7.3	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	6.4
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110°	5.5	4.6	2.7	3.6	2.7	2.7	2.7	1.8	1.8	3.6	3.6
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(END OF REPORT)