

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: P560006

Luminaire Tested: **SDL-PA1-20-730-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560006
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-PA1-20-730-U-T2R-A
Description: Springdale
(1) 70 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: 2057.3 lumens
Efficiency: N/A
Efficacy: 98.0 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: B1 - 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

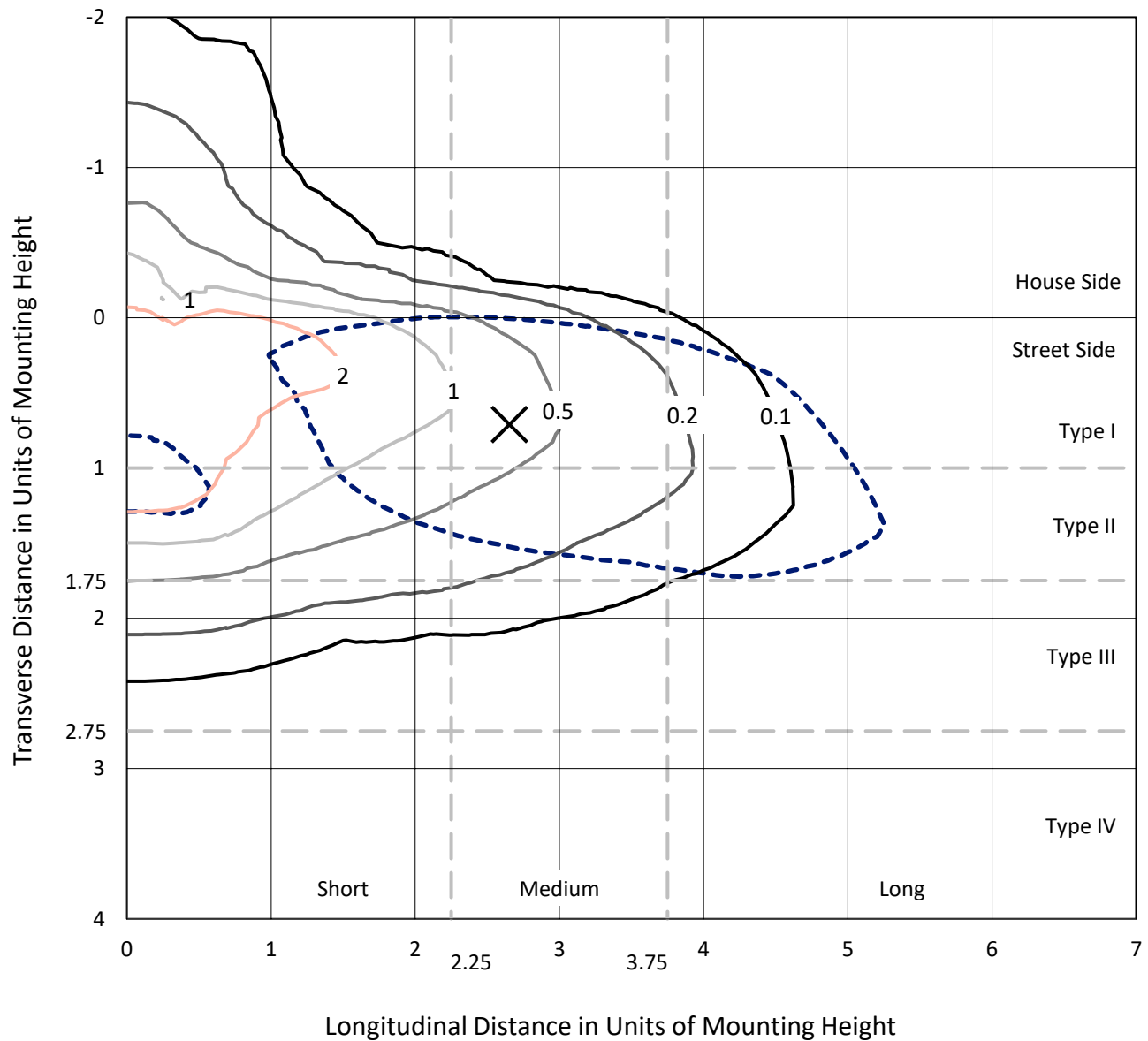


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

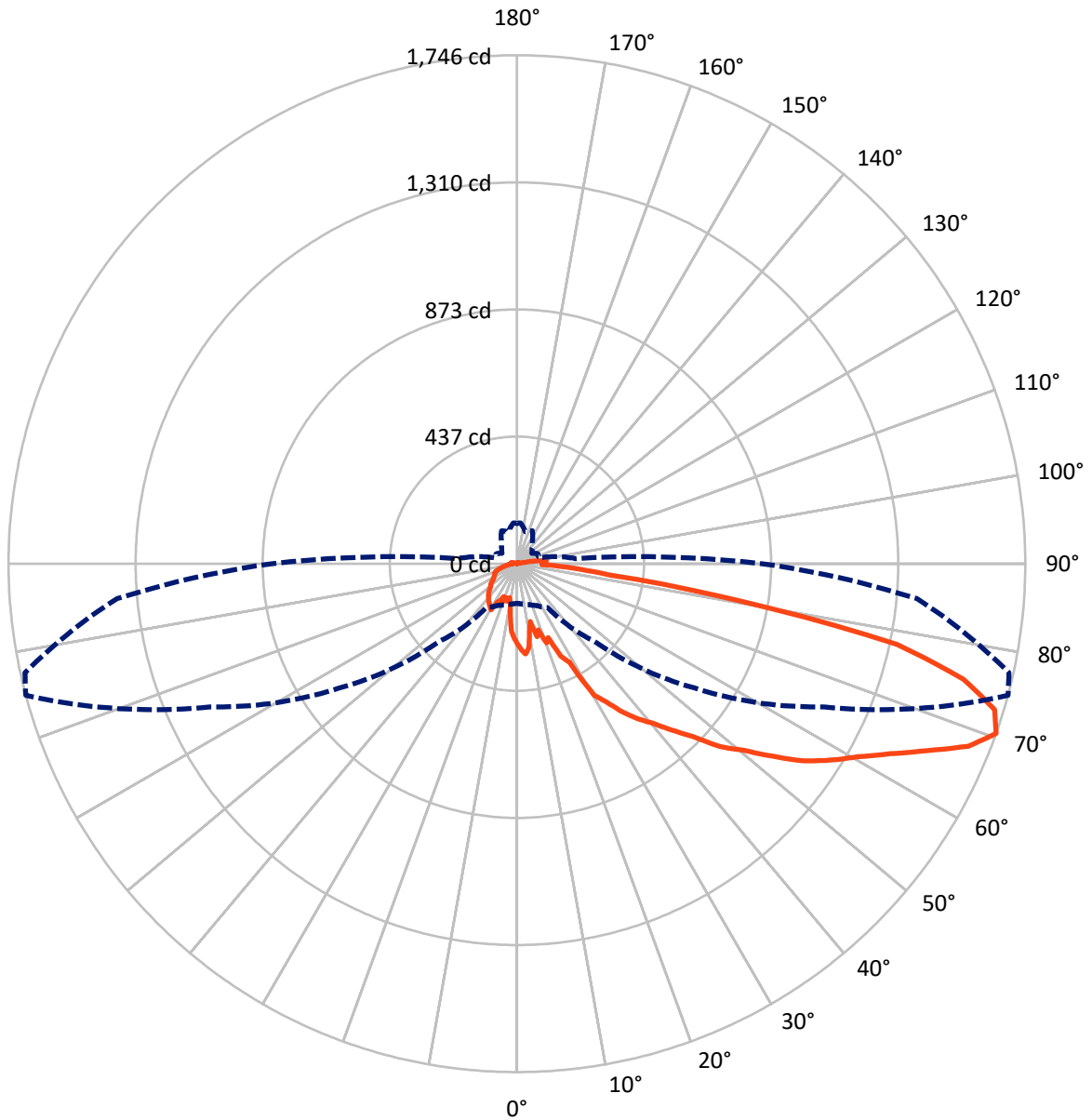


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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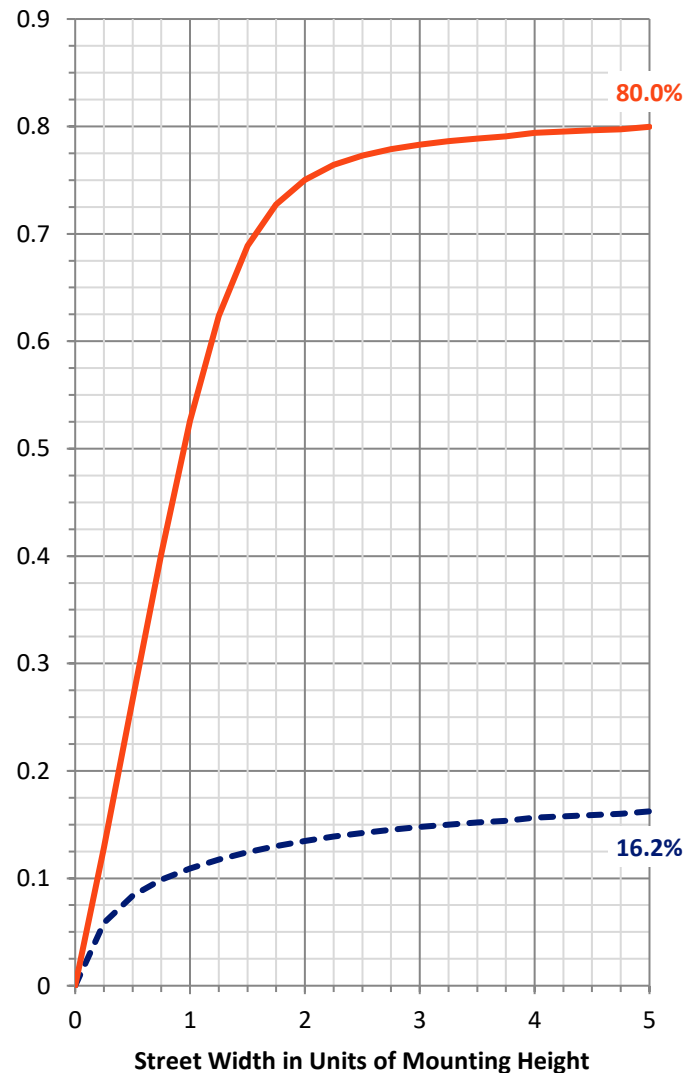
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	351.7	21.0	372.7
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	1658.0	26.6	1684.5
	% Fixture	80.6	1.3	81.9
Total	Lumens	2009.7	47.6	2057.3
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.0	1.1
10°-20°	60.0	2.9
20°-30°	108.3	5.3
30°-40°	221.4	10.8
40°-50°	347.6	16.9
50°-60°	426.9	20.8
60°-70°	424.6	20.6
70°-80°	314.0	15.3
80°-90°	83.9	4.1
90°-100°	31.0	1.5
100°-110°	7.2	0.4
110°-120°	3.4	0.2
120°-130°	3.1	0.1
130°-140°	1.5	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°	2009.7	97.7
0°-180°	2057.3	100.0



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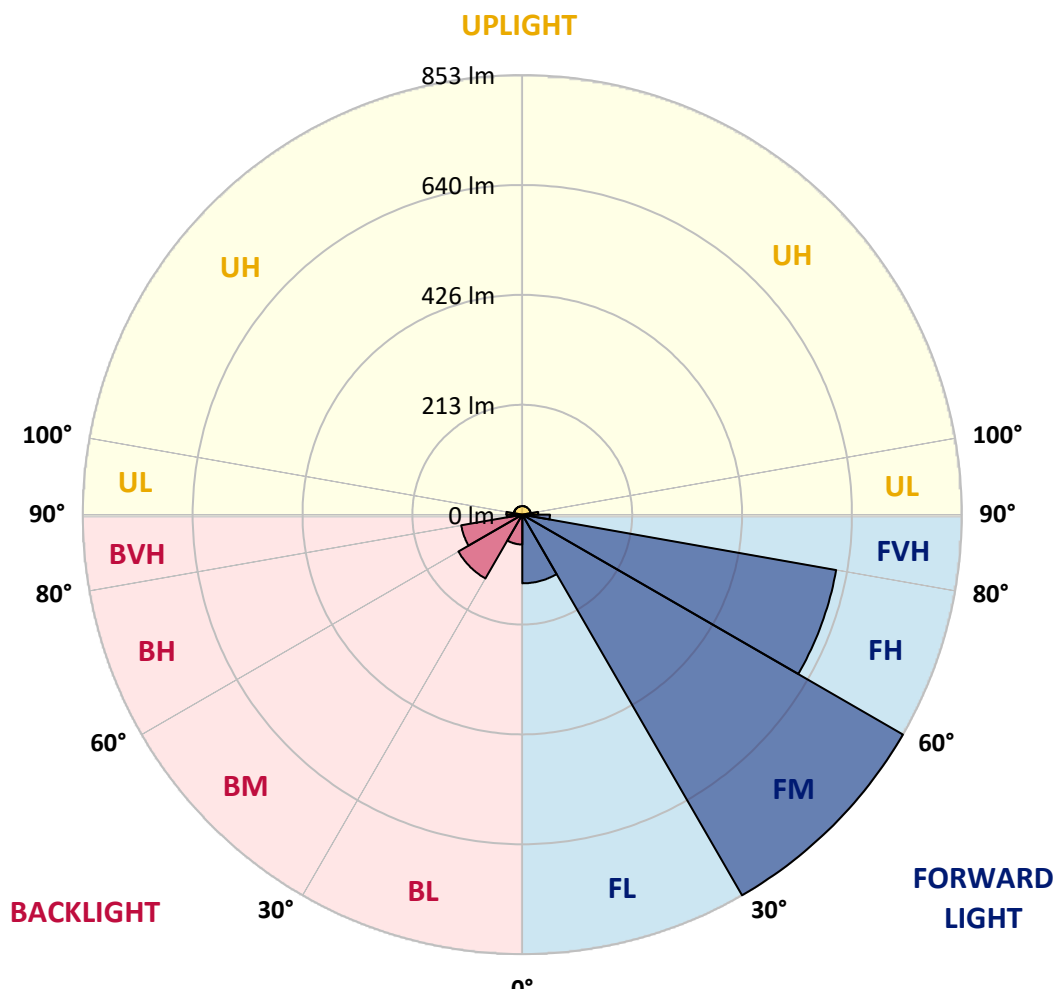
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	133.3	6.5			
FM	(30°-60°)	852.8	41.5			
FH	(60°-80°)	618.3	30.1			G0/660
FVH	(80°-90°)	53.6	2.6			G1/100
BL	(0°-30°)	58.0	2.8	B0/110		
BM	(30°-60°)	143.1	7.0	B0/220		
BH	(60°-80°)	120.3	5.8	B1/500		G1/500
BVH	(80°-90°)	30.3	1.5			G1/100
UL	(90°-100°)	31.0	1.5		U2/50	
UH	(100°-180°)	16.6	0.8		U2/50	

BUG Rating: B1-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°	275.8	275.8	275.8	275.8	275.8	275.8	275.8	275.8	275.8	275.8	275.8
2.5°	286.2	302.3	309.5	317.6	324.8	320.8	314.3	304.7	295.9	292.6	283.0
5°	316.0	314.3	313.5	311.1	307.1	299.9	291.0	325.6	311.9	306.3	290.2
7.5°	278.2	322.4	327.2	332.0	330.4	321.6	310.3	279.0	291.0	283.8	263.7
10°	340.1	340.1	338.5	340.1	321.6	307.1	262.9	244.4	235.6	254.9	236.4
12.5°	289.4	315.2	347.3	353.7	325.6	285.4	266.9	258.1	203.4	201.0	215.5
15°	336.9	340.9	341.7	343.3	277.4	299.1	246.8	229.1	259.7	252.4	254.9
17.5°	270.9	275.0	327.2	324.0	298.3	238.8	288.6	258.9	238.8	229.9	226.7
20°	340.9	341.7	339.3	274.2	287.8	311.9	270.1	262.1	291.0	290.2	278.2
22.5°	290.2	291.0	299.9	330.4	297.5	315.2	271.7	327.2	275.8	276.6	214.7
25°	388.3	389.1	381.1	294.2	334.4	295.9	329.6	294.2	352.1	340.9	314.3
27.5°	407.6	377.9	347.3	365.0	319.2	367.4	313.5	356.2	382.7	380.3	384.3
30°	516.9	518.6	497.7	399.6	373.8	362.6	361.8	422.9	524.2	528.2	461.5
32.5°	700.3	690.6	587.7	492.8	402.8	442.2	406.0	489.6	566.8	564.4	494.4
35°	783.9	774.2	735.6	608.6	465.5	477.6	458.3	521.0	625.5	607.0	527.4
37.5°	854.6	853.0	820.8	670.5	529.0	546.7	489.6	559.6	676.1	656.8	561.2
40°	915.7	910.1	881.9	726.0	594.1	594.9	529.0	606.2	721.2	726.0	594.1
42.5°	966.4	961.5	938.2	781.5	632.7	637.5	570.8	653.6	781.5	790.3	645.6
45°	987.3	989.7	973.6	831.3	667.3	676.1	620.7	701.9	845.8	853.0	691.4
47.5°	1002.5	1003.3	999.3	872.3	704.3	708.3	669.7	745.3	939.0	924.6	745.3
50°	968.0	964.8	968.8	903.7	736.4	741.3	710.7	790.3	1005.8	987.3	801.5
52.5°	877.1	881.1	922.9	887.6	746.9	756.5	749.3	829.7	1098.2	1083.7	881.9
55°	648.8	666.5	787.1	821.6	746.1	763.0	784.7	904.5	1195.5	1173.8	950.3
57.5°	525.0	525.0	595.7	709.1	705.1	758.9	820.8	955.1	1272.7	1257.4	1018.6
60°	421.3	421.3	459.9	562.8	625.5	738.8	857.8	1029.9	1345.8	1337.0	1078.9
62.5°	330.4	329.6	361.8	419.7	512.9	694.6	877.1	1094.2	1437.5	1435.9	1175.4
65°	238.8	242.0	269.3	305.5	402.8	611.8	876.3	1152.1	1547.6	1552.4	1283.9
67.5°	176.9	178.5	193.8	220.3	276.6	507.3	837.7	1192.3	1672.2	1664.2	1353.1
70°	135.9	138.3	144.7	158.4	184.1	377.1	744.5	1164.1	1746.2	1730.9	1378.8
72.5°	114.2	115.0	114.2	121.4	123.0	255.7	596.5	1057.2	1715.7	1691.5	1308.0
75°	97.3	96.5	95.7	97.3	90.8	168.8	427.7	894.8	1583.8	1542.0	1155.3
77.5°	83.6	82.8	79.6	80.4	72.4	124.6	291.8	701.9	1334.6	1236.5	868.3
80°	69.1	69.1	66.7	66.7	61.1	94.9	186.5	484.0	777.4	699.4	451.8
82.5°	53.9	53.1	53.1	54.7	52.3	74.0	122.2	241.2	320.8	300.7	211.4
85°	28.9	28.9	33.0	37.0	36.2	45.0	93.3	142.3	189.7	183.3	118.2
87.5°	8.8	8.8	9.6	12.1	12.9	24.1	58.7	69.1	86.0	94.9	93.3
90°	9.6	8.8	6.4	7.2	8.0	17.7	54.7	66.7	86.8	96.5	98.9
92.5°	11.3	10.5	6.4	6.4	8.0	14.5	52.3	65.1	94.9	104.5	106.9
95°	12.1	11.3	6.4	6.4	8.0	12.9	46.6	64.3	101.3	114.2	114.2
97.5°	11.3	10.5	4.8	5.6	7.2	11.3	36.2	53.1	70.7	78.0	90.0
100°	9.6	9.6	3.2	4.8	6.4	8.0	20.9	28.9	20.9	20.1	20.1
102.5°	8.8	8.8	3.2	4.0	4.8	5.6	9.6	15.3	4.8	5.6	7.2
105°	8.8	9.6	2.4	3.2	3.2	3.2	4.8	8.0	4.0	4.8	7.2
107.5°	8.8	9.6	2.4	2.4	3.2	2.4	2.4	3.2	4.0	4.8	8.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	5.6	5.6	1.6	2.4	2.4	2.4	1.6	2.4	4.0	5.6	8.0
115°	4.0	3.2	1.6	2.4	1.6	2.4	1.6	2.4	4.0	5.6	7.2
117.5°	3.2	2.4	1.6	1.6	1.6	1.6	0.8	2.4	4.8	6.4	8.8
120°	3.2	3.2	1.6	1.6	1.6	1.6	0.8	2.4	7.2	8.0	11.3
122.5°	3.2	3.2	1.6	1.6	1.6	1.6	0.8	1.6	6.4	8.8	12.1
125°	3.2	3.2	1.6	1.6	1.6	1.6	0.8	1.6	5.6	8.0	10.5
127.5°	3.2	3.2	1.6	0.8	1.6	1.6	1.6	1.6	4.8	6.4	8.8
130°	3.2	3.2	1.6	0.8	1.6	1.6	1.6	1.6	4.0	4.8	7.2
132.5°	2.4	2.4	1.6	0.8	1.6	0.8	0.8	1.6	3.2	4.0	5.6
135°	1.6	1.6	1.6	0.8	1.6	0.8	0.8	0.8	1.6	2.4	4.0
137.5°	0.8	1.6	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	1.6
140°	0.8	0.8	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.8	0.8	0.8	0.8	1.6	1.6	0.8	0.8	0.8	0.8	0.8
145°	0.8	0.8	0.8	0.8	2.4	1.6	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	3.2	2.4	1.6	0.8	0.8	0.8	0.8	0.8
150°	4.0	4.0	4.0	3.2	2.4	1.6	2.4	0.8	0.8	0.8	0.8
152.5°	4.0	4.0	4.8	2.4	1.6	0.8	0.8	3.2	2.4	1.6	1.6
155°	3.2	2.4	2.4	0.8	0.8	0.8	0.8	0.8	2.4	3.2	3.2
157.5°	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	1.6	0.8	0.8
160°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	275.8	275.8	275.8	275.8	275.8	275.8	275.8	275.8	275.8	275.8	275.8
2.5°	277.4	270.9	255.7	244.4	230.7	218.7	208.2	184.9	180.9	178.5	177.7
5°	277.4	263.7	234.0	197.8	169.6	163.2	160.0	160.0	158.4	159.2	160.0
7.5°	246.0	227.5	182.5	154.4	159.2	159.2	160.0	156.0	143.1	144.7	142.3
10°	215.5	192.1	137.5	125.4	137.5	138.3	156.8	164.0	166.4	167.2	167.2
12.5°	198.6	165.6	119.0	123.0	110.9	127.0	149.5	167.2	151.9	143.9	143.9
15°	228.3	196.2	133.5	107.7	109.3	127.0	113.4	158.4	164.0	165.6	165.6
17.5°	205.0	172.9	122.2	110.9	122.2	104.5	127.8	145.5	139.1	131.8	131.0
20°	246.0	204.2	136.7	108.5	107.7	123.8	113.4	119.0	148.7	149.5	148.7
22.5°	191.3	163.2	121.4	123.0	107.7	118.2	111.8	123.0	117.4	116.6	117.4
25°	265.3	211.4	139.9	106.1	112.6	104.5	112.6	103.7	124.6	126.2	127.0
27.5°	324.8	252.4	148.7	115.0	98.1	106.9	100.5	103.7	96.5	100.5	102.1
30°	386.7	294.2	181.7	127.0	103.7	91.7	93.3	92.5	104.5	103.7	102.1
32.5°	406.8	299.9	173.7	132.7	102.9	92.5	85.2	90.8	99.7	106.9	107.7
35°	426.9	303.9	167.2	127.0	100.5	86.8	83.6	93.3	100.5	101.3	103.7
37.5°	450.2	307.1	160.8	119.0	93.3	85.2	82.8	86.8	102.9	101.3	98.9
40°	471.9	308.7	152.8	111.8	85.2	83.6	77.2	86.8	90.8	94.1	95.7
42.5°	510.5	318.4	146.3	105.3	79.6	79.6	74.0	81.2	93.3	94.9	94.1
45°	538.7	315.2	137.5	99.7	74.0	70.7	72.4	88.4	94.1	103.7	102.1
47.5°	578.9	323.2	127.0	90.8	69.1	65.1	68.3	86.0	96.5	103.7	105.3
50°	618.2	321.6	118.2	83.6	65.9	61.9	75.6	83.6	94.9	106.9	106.9
52.5°	669.7	324.0	114.2	77.2	61.9	61.9	78.0	84.4	97.3	105.3	105.3
55°	715.5	315.2	104.5	74.8	61.1	59.5	78.8	87.6	98.1	105.3	106.1
57.5°	749.3	297.5	97.3	72.4	60.3	61.1	78.8	94.9	91.7	105.3	107.7
60°	786.3	278.2	90.8	72.4	60.3	63.5	81.2	100.5	100.5	110.1	110.1
62.5°	836.9	266.1	87.6	73.2	58.7	65.9	88.4	109.3	101.3	116.6	117.4
65°	879.5	250.0	85.2	76.4	59.5	69.1	92.5	116.6	106.1	123.8	123.0
67.5°	880.3	225.9	82.0	79.6	60.3	71.6	92.5	121.4	111.8	130.2	127.8
70°	841.7	201.8	77.2	79.6	62.7	74.0	92.5	124.6	112.6	140.7	138.3
72.5°	758.9	164.8	69.9	76.4	66.7	77.2	97.3	123.8	112.6	151.9	149.5
75°	645.6	131.8	60.3	69.9	66.7	81.2	100.5	123.0	108.5	144.7	139.9
77.5°	491.2	107.7	50.6	61.1	63.5	82.8	100.5	121.4	105.3	135.1	131.8
80°	253.2	75.6	41.0	52.3	59.5	81.2	99.7	115.0	94.1	119.8	118.2
82.5°	139.1	55.5	33.0	38.6	49.8	76.4	96.5	103.7	82.8	98.1	94.1
85°	90.0	40.2	26.5	31.4	41.8	63.5	81.2	82.0	58.7	70.7	66.7
87.5°	67.5	23.3	16.9	19.3	28.9	35.4	51.5	53.1	37.0	43.4	41.0
90°	70.7	23.3	17.7	20.1	25.7	26.5	37.8	40.2	28.9	33.0	33.0
92.5°	75.6	23.3	18.5	20.9	23.3	20.9	29.7	33.0	24.1	26.5	25.7
95°	77.2	22.5	20.1	21.7	20.9	16.9	24.1	26.5	20.1	20.1	20.1
97.5°	56.3	16.1	20.1	21.7	19.3	13.7	18.5	20.9	12.9	10.5	10.5
100°	15.3	8.0	19.3	20.9	16.9	11.3	16.1	16.1	8.0	5.6	5.6
102.5°	6.4	6.4	16.9	18.5	12.9	7.2	11.3	11.3	5.6	2.4	2.4
105°	6.4	4.8	12.1	13.7	8.8	4.0	5.6	6.4	4.0	2.4	2.4
107.5°	6.4	4.8	5.6	7.2	4.0	3.2	3.2	3.2	2.4	2.4	2.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.0	5.6	3.2	4.0	3.2	2.4	2.4	2.4	3.2	7.2	7.2
115°	7.2	4.8	3.2	3.2	2.4	2.4	1.6	1.6	3.2	8.8	8.8
117.5°	8.0	5.6	3.2	3.2	2.4	1.6	1.6	1.6	4.0	10.5	10.5
120°	9.6	6.4	3.2	2.4	1.6	1.6	1.6	1.6	4.8	11.3	11.3
122.5°	10.5	7.2	3.2	2.4	1.6	0.8	1.6	2.4	5.6	11.3	11.3
125°	8.8	6.4	3.2	2.4	1.6	0.8	1.6	2.4	5.6	10.5	11.3
127.5°	8.0	5.6	3.2	1.6	1.6	0.8	0.8	2.4	4.8	8.0	9.6
130°	6.4	4.8	2.4	1.6	1.6	0.8	0.8	1.6	4.8	7.2	8.8
132.5°	5.6	4.0	2.4	1.6	1.6	0.8	0.8	1.6	4.8	6.4	6.4
135°	4.0	3.2	1.6	1.6	1.6	0.8	1.6	0.8	3.2	5.6	5.6
137.5°	2.4	1.6	1.6	1.6	1.6	0.8	0.8	0.8	2.4	3.2	3.2
140°	0.8	0.8	1.6	1.6	1.6	0.8	0.8	0.8	1.6	1.6	1.6
142.5°	0.8	0.8	1.6	1.6	1.6	0.8	0.8	0.8	1.6	1.6	1.6
145°	0.8	0.8	0.8	1.6	1.6	0.8	0.8	0.8	0.8	0.8	1.6
147.5°	0.8	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	1.6
150°	0.8	0.8	0.8	1.6	1.6	0.8	0.8	1.6	1.6	1.6	1.6
152.5°	0.8	0.8	1.6	1.6	0.8	0.8	0.8	1.6	1.6	1.6	1.6
155°	2.4	2.4	1.6	1.6	0.8	0.8	0.0	0.8	1.6	1.6	1.6
157.5°	0.8	0.8	1.6	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
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



Report Generated By 670245982



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110° | 8.0 8.0 1.6 2.4 2.4 2.4 1.6 2.4 4.0 5.6 8.0



110° | 7.2 4.8 3.2 4.0 3.2 2.4 2.4 2.4 2.4 3.2 4.0



(END OF REPORT)