

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: P560020

Luminaire Tested: **SDL-PA1-20-730-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-10)
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-T4W-HSS
Description: Springdale
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1817.8 lumens
Efficiency: N/A
Efficacy: 86.6 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 - U0 - G1

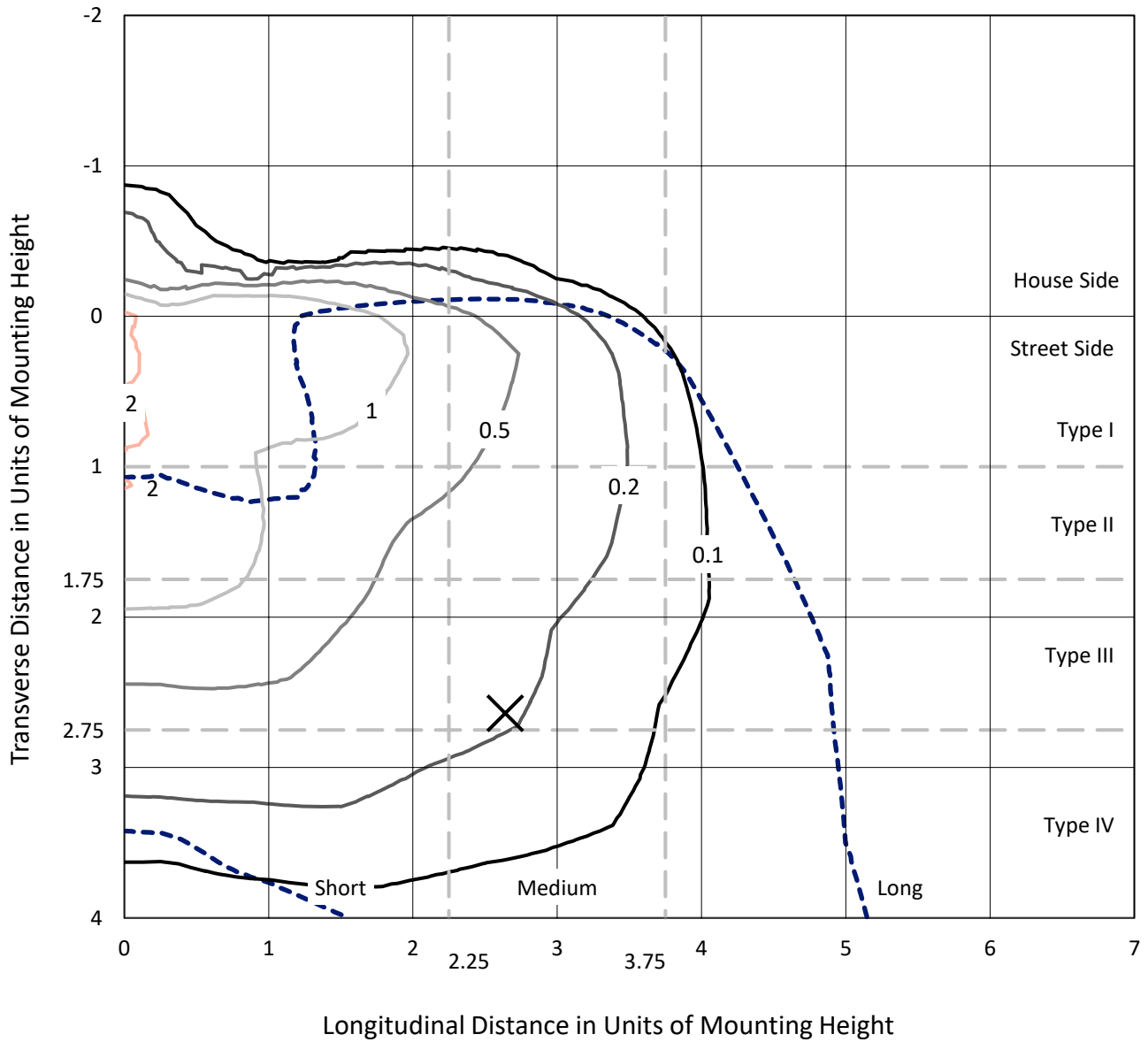
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

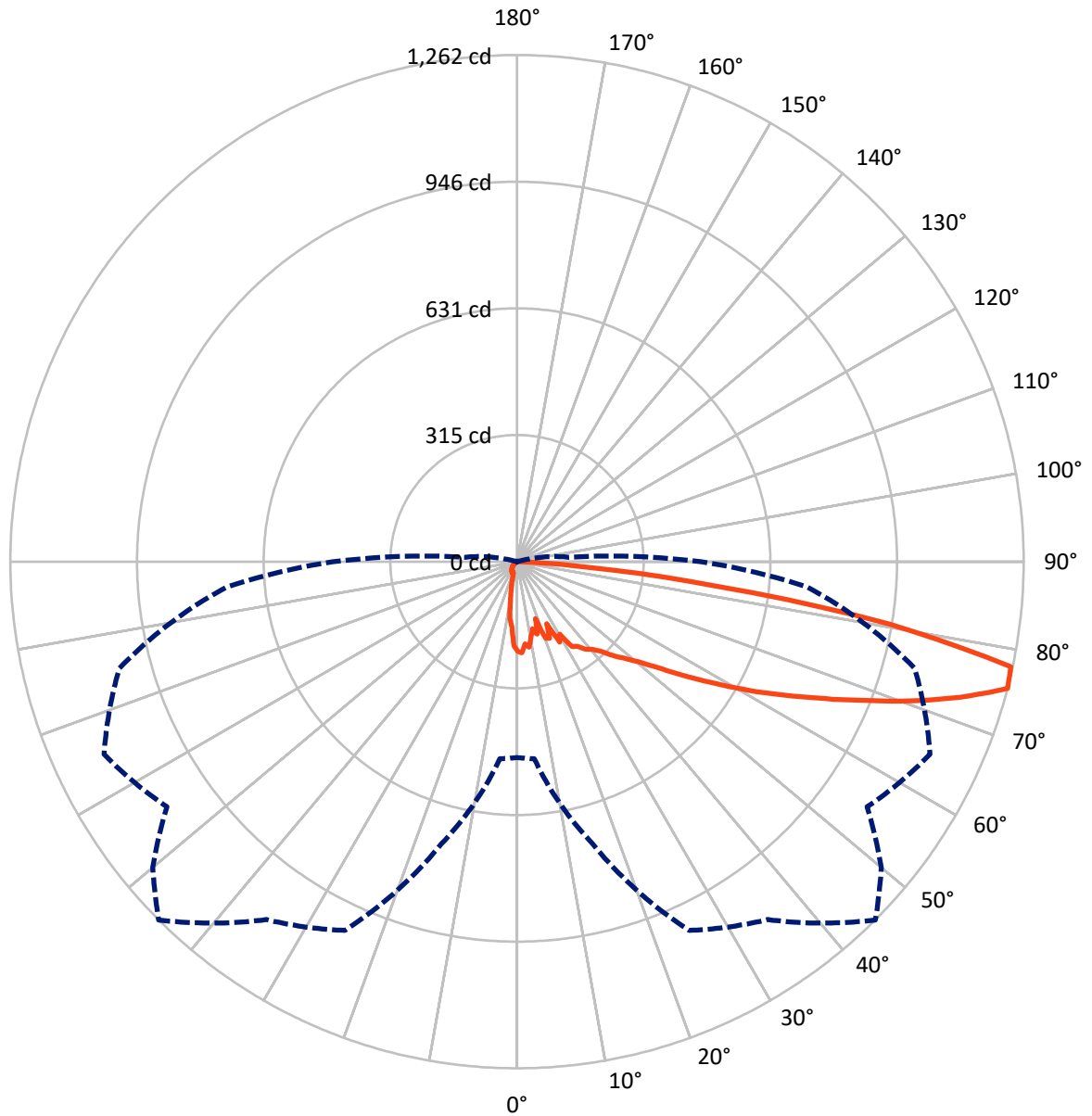
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical



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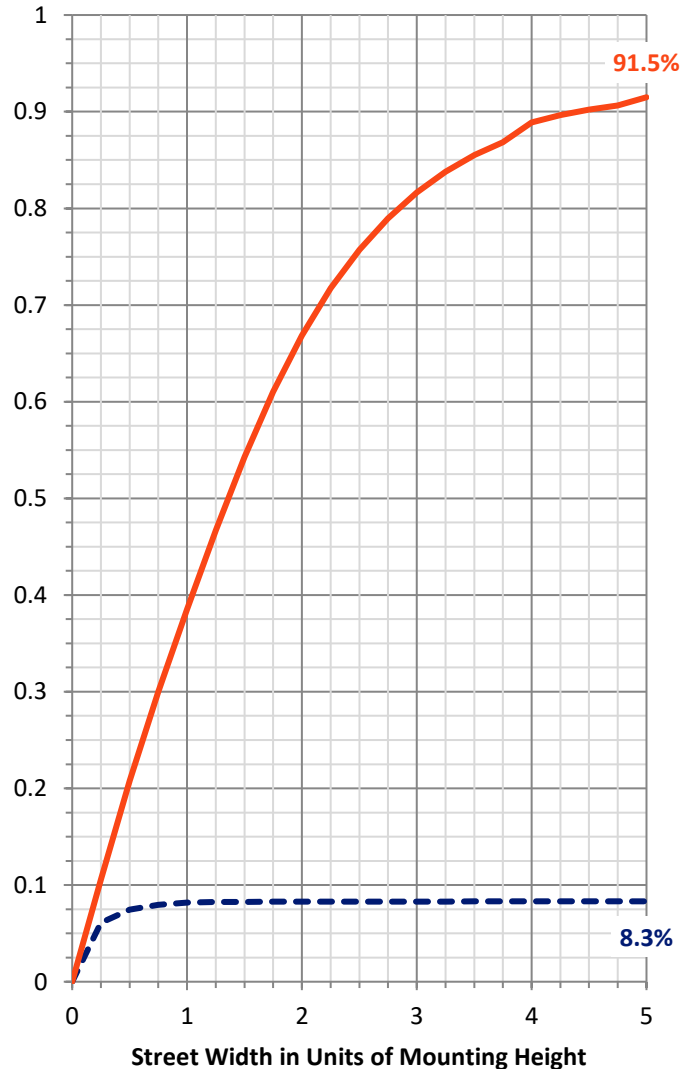
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	152.6	0.0	152.6
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	1665.2	0.0	1665.2
	% Fixture	91.6	0.0	91.6
Total	Lumens	1817.8	0.0	1817.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.3	1.0
10°-20°	38.0	2.1
20°-30°	64.3	3.5
30°-40°	118.5	6.5
40°-50°	194.4	10.7
50°-60°	346.1	19.0
60°-70°	517.8	28.5
70°-80°	461.0	25.4
80°-90°	60.2	3.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1817.8	100.0
0°-180°	1817.8	100.0

Coefficient of Utilization

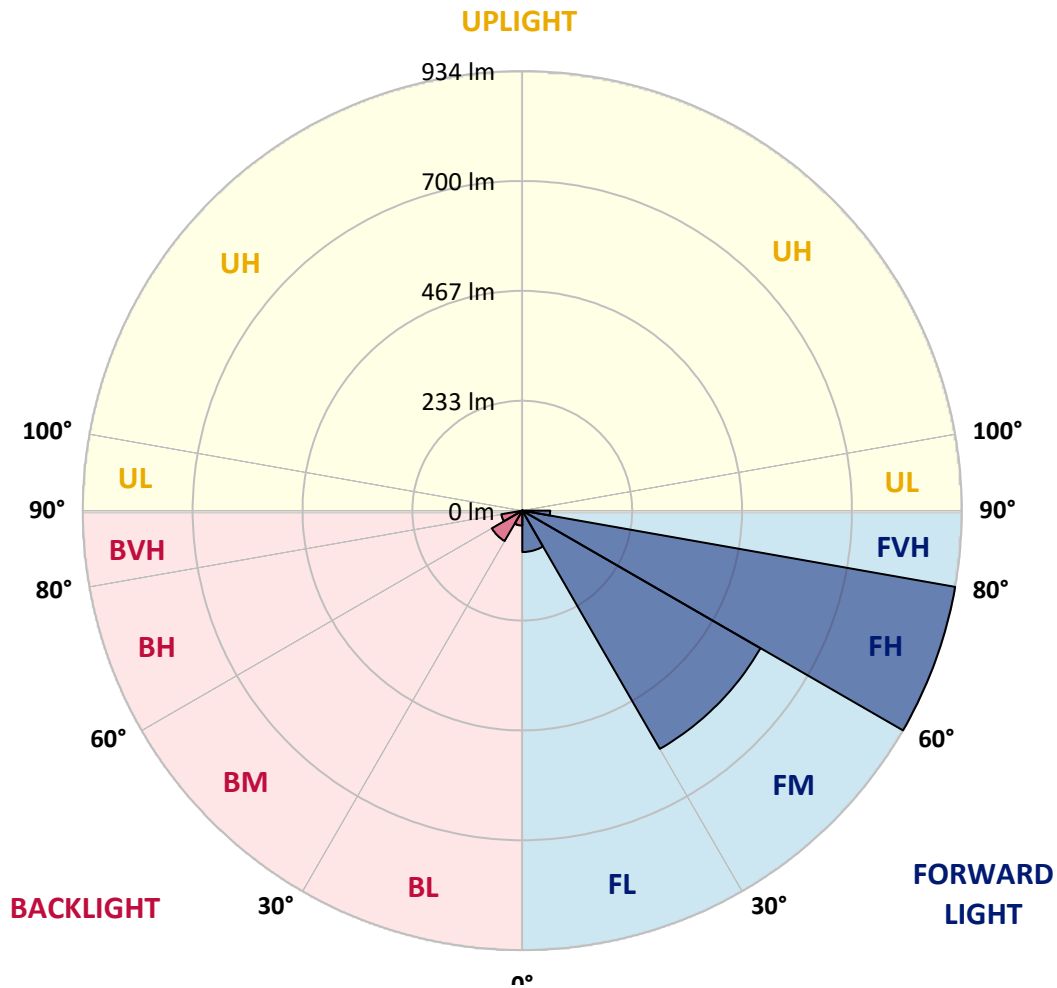


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	87.9	4.8			
FM (30°-60°)	584.3	32.1			
FH (60°-80°)	933.7	51.4			G1/1800
FVH (80°-90°)	59.3	3.3			G1/100
BL (0°-30°)	31.8	1.8	B0/110		
BM (30°-60°)	74.7	4.1	B0/220		
BH (60°-80°)	45.2	2.5	B0/110		G0/110
BVH (80°-90°)	0.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9
2.5°	207.4	222.9	224.7	225.6	227.5	228.4	228.4	228.4	228.4	227.5	227.5
5°	219.2	218.3	217.4	216.5	215.6	213.8	211.9	209.2	207.4	205.5	203.7
7.5°	214.7	215.6	218.3	220.1	219.2	218.3	220.1	221.1	218.3	214.7	211.0
10°	250.3	248.5	246.6	244.8	242.1	239.3	217.4	195.5	193.7	190.9	189.1
12.5°	219.2	246.6	246.6	246.6	246.6	246.6	232.0	217.4	194.6	171.7	145.2
15°	274.0	273.1	269.5	265.8	241.2	215.6	201.9	188.2	188.2	187.3	176.3
17.5°	227.5	227.5	245.7	263.1	253.0	243.0	223.8	204.6	177.2	148.9	159.9
20°	287.7	287.7	284.1	280.4	238.4	196.4	198.2	200.0	201.9	203.7	169.0
22.5°	236.6	234.8	232.9	231.1	235.7	240.2	202.8	164.4	186.3	207.4	161.7
25°	288.7	291.4	289.6	286.8	249.4	211.9	220.1	227.5	199.1	170.8	198.2
27.5°	247.5	244.8	241.2	236.6	239.3	242.1	224.7	206.4	216.5	226.5	181.8
30°	303.3	304.2	302.4	300.5	264.9	229.3	228.4	226.5	218.3	209.2	204.6
32.5°	375.4	368.1	342.5	317.0	295.0	273.1	255.8	238.4	245.7	252.1	227.5
35°	410.1	396.4	385.5	373.6	337.1	299.6	278.6	256.7	257.6	258.5	248.5
37.5°	443.9	423.8	410.1	396.4	352.6	308.8	285.9	263.1	270.4	276.8	265.8
40°	455.8	444.9	436.6	428.4	381.8	334.3	307.8	280.4	284.1	286.8	283.2
42.5°	486.0	484.1	479.6	474.1	418.4	361.7	329.8	297.8	301.4	304.2	302.4
45°	558.1	555.4	555.4	554.5	482.3	409.2	367.2	325.2	328.8	332.5	330.7
47.5°	651.3	646.7	641.3	634.9	558.1	480.5	420.2	359.0	359.0	359.0	361.7
50°	749.0	742.6	730.8	718.0	640.3	562.7	486.0	409.2	401.0	391.9	401.9
52.5°	850.4	839.5	819.4	798.4	729.9	661.3	574.6	486.9	462.2	436.6	449.4
55°	905.2	893.4	879.7	865.1	809.3	752.7	664.1	575.5	537.1	497.8	511.5
57.5°	950.0	947.3	940.9	934.5	891.5	848.6	760.0	670.5	618.4	566.3	578.2
60°	1011.2	1007.6	1010.3	1013.0	980.1	947.3	863.2	778.3	711.6	644.0	640.3
62.5°	1056.9	1056.0	1069.7	1083.4	1066.0	1047.7	953.7	858.7	793.8	728.0	709.8
65°	1014.9	1026.7	1077.9	1129.0	1126.3	1122.6	1035.0	946.3	882.4	817.6	793.8
67.5°	926.3	931.7	1007.6	1082.5	1115.3	1147.3	1085.2	1022.2	971.9	920.8	876.9
70°	843.1	855.0	921.7	988.4	1073.3	1158.3	1108.9	1059.6	1049.6	1038.6	982.0
72.5°	762.7	783.8	845.9	908.0	1021.3	1133.6	1104.4	1075.1	1114.4	1153.7	1086.1
75°	487.8	492.4	610.2	727.1	870.5	1013.0	1050.5	1087.9	1174.7	1261.5	1183.8
77.5°	142.5	158.0	246.6	335.2	499.7	663.2	791.1	918.9	1087.9	1256.9	1161.9
80°	48.4	52.1	64.9	76.7	164.4	252.1	400.1	547.2	743.6	940.0	873.3
82.5°	23.8	24.7	31.1	36.5	55.7	74.9	150.7	225.6	364.5	502.4	514.3
85°	7.3	7.3	11.0	14.6	23.8	32.9	56.6	79.5	126.1	171.7	145.2
87.5°	1.8	1.8	2.7	3.7	5.5	7.3	7.3	7.3	5.5	3.7	4.6
90°	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9
2.5°	228.4	228.4	228.4	227.5	225.6	224.7	222.9	221.1	219.2	218.3	216.5
5°	201.0	212.8	223.8	224.7	224.7	222.0	219.2	216.5	213.8	211.0	208.3
7.5°	206.4	200.0	193.7	194.6	195.5	194.6	192.7	188.2	184.5	177.2	169.0
10°	165.3	160.8	155.3	157.1	158.9	163.5	168.1	164.4	158.9	145.2	130.6
12.5°	162.6	161.7	159.9	146.2	131.5	138.8	145.2	141.6	136.1	122.4	107.8
15°	138.8	139.8	139.8	153.5	167.2	172.6	177.2	172.6	166.3	148.0	128.8
17.5°	179.0	169.9	160.8	155.3	148.9	150.7	152.5	132.5	138.8	127.0	114.2
20°	185.4	155.3	125.1	149.8	174.5	182.7	190.9	186.3	178.1	148.9	118.8
22.5°	169.0	180.0	190.9	175.4	159.9	149.8	138.8	134.3	128.8	116.0	103.2
25°	209.2	179.0	148.0	177.2	205.5	207.4	209.2	201.0	191.8	155.3	118.8
27.5°	187.3	197.3	206.4	212.8	219.2	227.5	235.7	226.5	204.6	161.7	117.8
30°	222.9	236.6	250.3	271.3	292.3	298.7	304.2	294.1	276.8	204.6	131.5
32.5°	232.9	260.3	287.7	296.0	303.3	311.5	319.7	311.5	290.5	202.8	114.2
35°	260.3	279.5	297.8	310.6	323.4	330.7	338.0	332.5	304.2	200.0	95.9
37.5°	268.6	294.1	318.8	333.4	347.1	353.5	359.0	359.0	318.8	198.2	76.7
40°	281.3	313.3	345.3	359.0	371.8	381.8	391.0	394.6	335.2	197.3	58.5
42.5°	306.9	335.2	363.6	385.5	406.5	421.1	435.7	438.5	354.4	200.0	44.8
45°	334.3	364.5	394.6	423.8	453.1	474.1	494.2	492.4	377.3	207.4	36.5
47.5°	373.6	401.9	430.2	479.6	528.0	548.1	567.3	554.5	401.0	216.5	32.0
50°	413.8	448.5	483.2	546.3	608.4	626.6	644.0	617.5	423.8	227.5	30.1
52.5°	465.9	507.0	548.1	620.2	692.4	708.8	725.3	671.4	441.2	234.8	28.3
55°	527.1	580.0	633.0	701.5	769.1	788.3	807.5	724.4	449.4	238.4	27.4
57.5°	601.1	662.3	722.6	785.6	847.7	874.2	899.8	776.4	453.1	239.3	25.6
60°	673.2	740.8	808.4	862.3	916.2	957.3	997.5	827.6	451.3	237.5	22.8
62.5°	739.9	814.8	888.8	939.0	989.3	1038.6	1087.9	868.7	439.4	229.3	18.3
65°	809.3	888.8	967.4	1011.2	1055.1	1119.0	1182.0	904.3	422.9	218.3	12.8
67.5°	872.4	948.2	1024.0	1073.3	1122.6	1185.7	1247.8	913.5	399.2	204.6	9.1
70°	925.3	1007.6	1088.8	1139.1	1189.3	1221.3	1252.4	873.3	351.7	179.0	6.4
72.5°	998.4	1072.4	1145.5	1171.1	1195.7	1140.0	1083.4	728.0	264.0	135.2	5.5
75°	1064.2	1099.8	1134.5	1079.7	1024.9	875.1	725.3	458.6	128.8	67.6	5.5
77.5°	997.5	978.3	959.1	791.1	622.1	462.2	301.4	180.0	40.2	21.9	3.7
80°	722.6	634.9	546.3	378.2	209.2	139.8	69.4	40.2	10.0	6.4	2.7
82.5°	389.1	300.5	211.0	136.1	61.2	41.1	20.1	13.7	4.6	3.7	1.8
85°	140.7	111.4	81.3	63.0	44.8	26.5	7.3	4.6	2.7	2.7	1.8
87.5°	12.8	14.6	16.4	12.8	8.2	5.5	1.8	1.8	1.8	1.8	0.9
90°	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9
2.5°	215.6	214.7	213.8	211.9	211.0	210.1	203.7	197.3	190.0	182.7	182.7
5°	196.4	184.5	178.1	171.7	167.2	162.6	161.7	159.9	158.0	156.2	155.3
7.5°	164.4	159.9	156.2	152.5	148.0	143.4	138.8	134.3	130.6	127.0	118.8
10°	123.3	116.0	110.5	105.0	102.3	98.7	93.2	86.8	86.8	86.8	85.9
12.5°	106.9	106.0	92.3	77.6	73.1	68.5	67.6	66.7	64.9	62.1	58.5
15°	106.0	82.2	70.3	57.5	54.8	51.2	45.7	39.3	38.4	36.5	41.1
17.5°	95.9	77.6	63.9	50.2	40.2	30.1	32.0	32.9	37.5	41.1	43.8
20°	86.8	54.8	45.7	35.6	32.9	29.2	31.1	32.9	32.0	30.1	34.7
22.5°	81.3	58.5	42.9	27.4	29.2	31.1	29.2	26.5	31.1	35.6	38.4
25°	78.6	37.5	33.8	29.2	27.4	25.6	29.2	32.0	30.1	28.3	33.8
27.5°	77.6	37.5	32.0	25.6	27.4	29.2	28.3	26.5	30.1	32.9	32.0
30°	83.1	33.8	30.1	26.5	25.6	24.7	26.5	28.3	28.3	27.4	32.0
32.5°	74.0	33.8	30.1	25.6	25.6	24.7	24.7	24.7	27.4	30.1	32.0
35°	63.9	31.1	28.3	24.7	23.8	22.8	23.8	23.8	26.5	28.3	32.0
37.5°	53.0	29.2	26.5	22.8	21.9	21.0	21.0	20.1	22.8	25.6	28.3
40°	42.9	27.4	24.7	21.0	20.1	19.2	19.2	19.2	21.0	21.9	23.8
42.5°	35.6	25.6	22.8	19.2	18.3	17.4	17.4	16.4	17.4	18.3	19.2
45°	31.1	24.7	21.9	18.3	17.4	15.5	14.6	13.7	13.7	13.7	13.7
47.5°	27.4	22.8	21.0	18.3	16.4	13.7	12.8	11.0	10.0	9.1	8.2
50°	25.6	21.0	19.2	16.4	14.6	11.9	10.0	8.2	7.3	5.5	5.5
52.5°	23.8	19.2	17.4	14.6	11.9	9.1	7.3	4.6	4.6	3.7	3.7
55°	22.8	18.3	15.5	12.8	10.0	6.4	4.6	2.7	2.7	1.8	1.8
57.5°	21.9	17.4	14.6	11.0	7.3	3.7	2.7	1.8	1.8	1.8	1.8
60°	19.2	15.5	11.9	7.3	4.6	1.8	1.8	0.9	1.8	1.8	1.8
62.5°	15.5	11.9	8.2	4.6	2.7	0.9	0.9	0.9	1.8	1.8	1.8
65°	11.0	8.2	5.5	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
67.5°	8.2	6.4	4.6	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
70°	5.5	4.6	3.7	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
72.5°	4.6	3.7	2.7	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9
75°	4.6	3.7	2.7	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9
77.5°	3.7	2.7	1.8	0.9	0.9	0.0	0.9	1.8	1.8	1.8	1.8
80°	2.7	1.8	1.8	0.9	0.9	0.0	0.9	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	0.9	0.9	0.0	1.8	2.7	2.7	1.8	1.8
85°	1.8	0.9	0.9	0.9	0.9	0.9	1.8	2.7	2.7	2.7	1.8
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	2.7	2.7	1.8
90°	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):

	165°	170°	175°	180°
0°	222.9	222.9	222.9	222.9
2.5°	181.8	181.8	180.9	180.9
5°	153.5	153.5	152.5	152.5
7.5°	110.5	108.7	106.0	106.9
10°	85.0	83.1	81.3	83.1
12.5°	54.8	55.7	55.7	53.0
15°	44.8	48.4	51.2	51.2
17.5°	46.6	46.6	45.7	45.7
20°	39.3	42.9	46.6	46.6
22.5°	40.2	38.4	36.5	36.5
25°	38.4	41.1	42.9	42.9
27.5°	31.1	32.0	32.9	32.9
30°	35.6	37.5	38.4	38.4
32.5°	33.8	35.6	36.5	37.5
35°	34.7	36.5	37.5	37.5
37.5°	31.1	32.0	32.9	32.9
40°	24.7	25.6	26.5	26.5
42.5°	19.2	19.2	18.3	19.2
45°	12.8	12.8	11.9	12.8
47.5°	7.3	7.3	7.3	7.3
50°	4.6	4.6	4.6	4.6
52.5°	2.7	2.7	2.7	2.7
55°	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	0.9	0.9
60°	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.0	0.0
65°	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.9	0.9	0.0	0.0
77.5°	0.9	0.9	0.0	0.0
80°	0.9	0.9	0.0	0.0
82.5°	0.9	0.9	0.0	0.0
85°	0.9	0.9	0.9	0.0
87.5°	0.9	0.9	0.9	0.0
90°	0.0	0.0	0.0	0.0

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