

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: P560101

Luminaire Tested: **SDL-PA1-20-827-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-827-U-T2U
Description: Springdale
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2049.5 lumens
Efficiency: N/A
Efficacy: 97.6 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 - U0 - G1

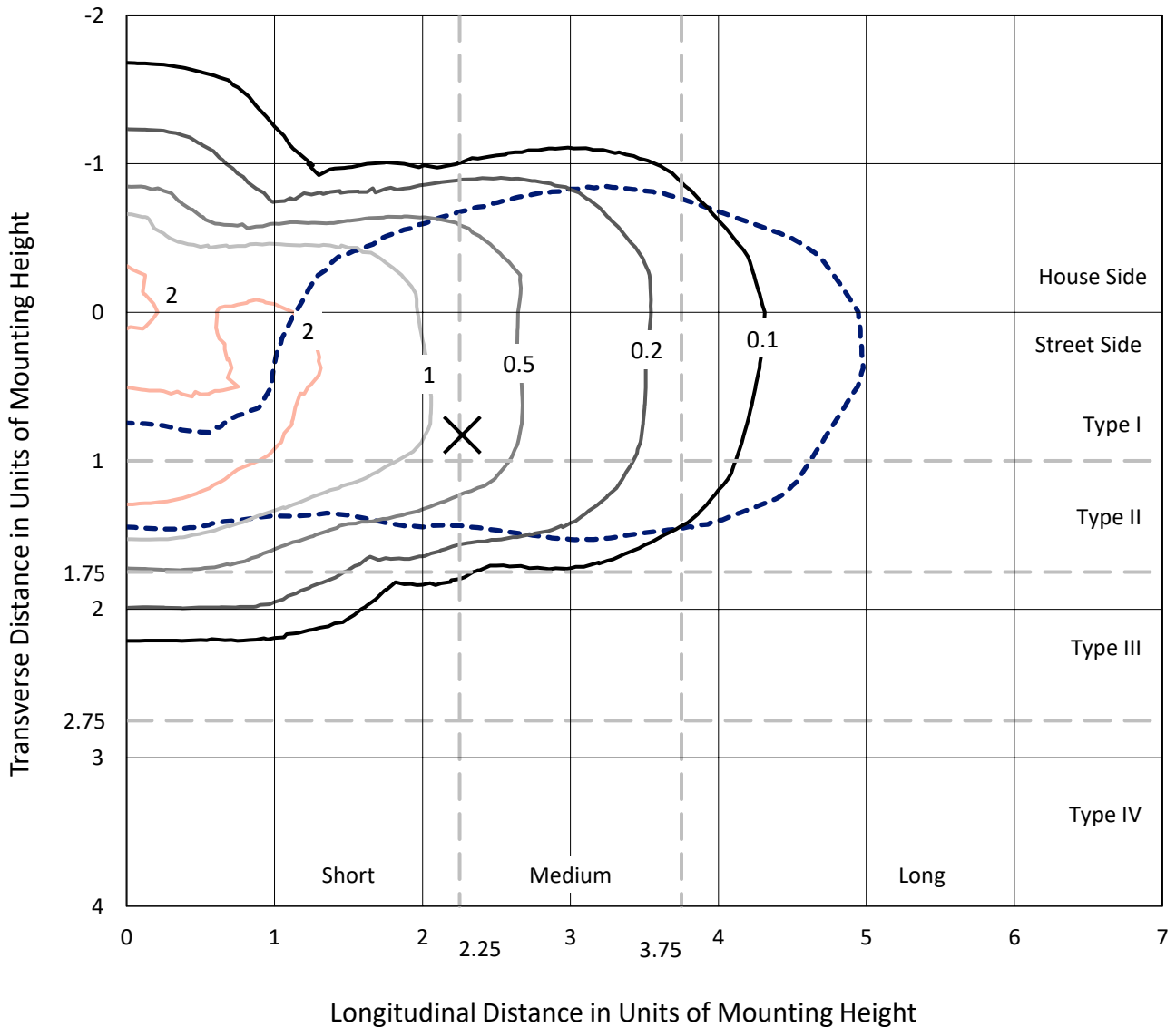
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

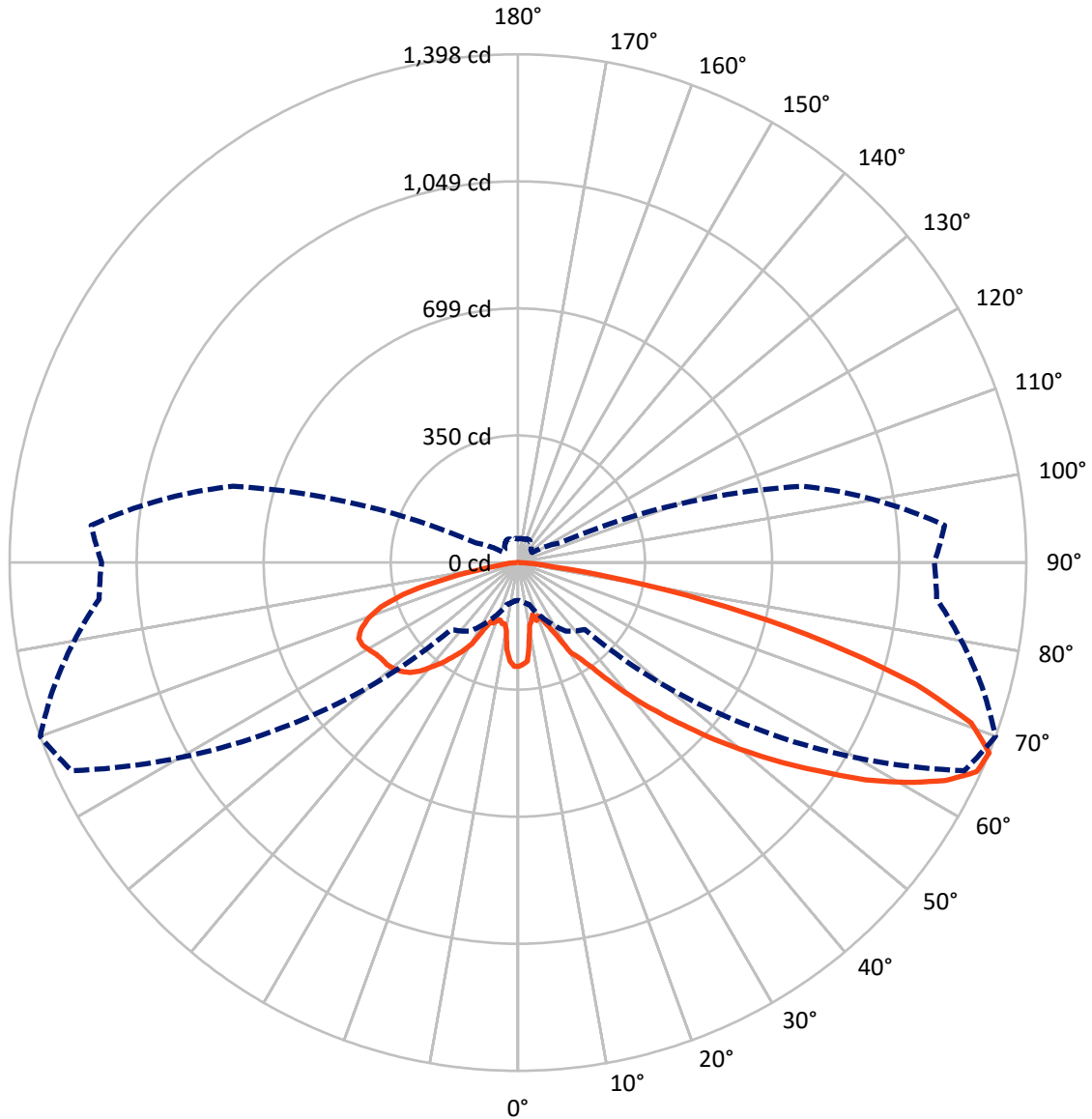
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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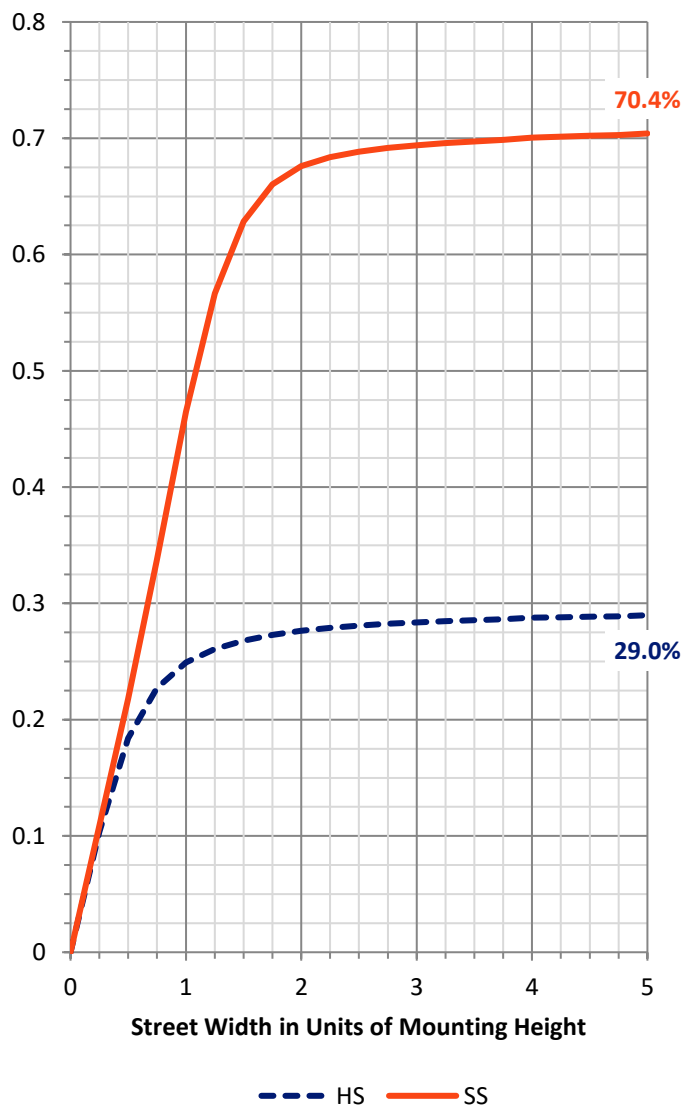
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	601.0	0.0	601.0
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	1448.5	0.0	1448.5
	% Fixture	70.7	0.0	70.7
Total	Lumens	2049.5	0.0	2049.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.9	1.1
10°-20°	53.7	2.6
20°-30°	95.3	4.7
30°-40°	201.5	9.8
40°-50°	368.9	18.0
50°-60°	503.3	24.6
60°-70°	474.5	23.2
70°-80°	287.2	14.0
80°-90°	42.2	2.1
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°	2049.5	100.0
0°-180°	2049.5	100.0



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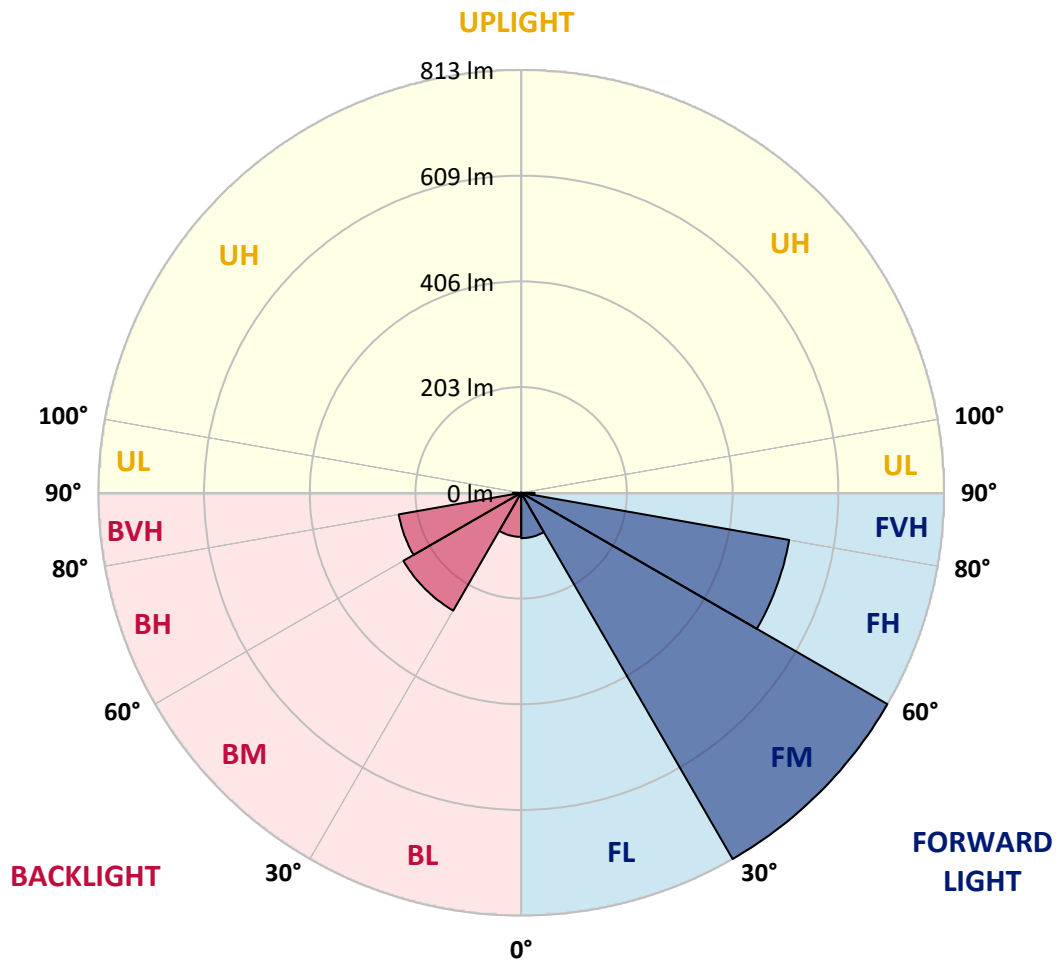
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.2	4.3			
FM	(30°-60°)	812.5	39.6			
FH	(60°-80°)	522.9	25.5			G0/660
FVH	(80°-90°)	25.9	1.3			G1/100
BL	(0°-30°)	84.7	4.1	B0/110		
BM	(30°-60°)	261.3	12.7	B1/1000		
BH	(60°-80°)	238.8	11.7	B1/500		G1/500
BVH	(80°-90°)	16.3	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4
2.5°	239.7	241.9	256.6	271.4	272.1	272.1	272.8	273.6	275.8	277.3	278.7
5°	223.4	224.9	224.9	224.9	225.6	226.4	227.1	227.1	228.6	229.3	230.8
7.5°	187.3	202.0	207.2	211.6	214.6	216.8	218.3	219.7	221.2	222.7	224.2
10°	213.1	213.1	213.8	213.8	213.8	213.1	198.4	182.9	190.2	197.6	186.6
12.5°	175.5	178.4	191.7	204.3	207.9	210.9	203.5	195.4	182.1	168.9	167.4
15°	208.7	208.7	208.7	207.9	194.7	180.7	166.6	151.9	160.8	169.6	156.3
17.5°	180.7	180.7	191.7	202.0	201.3	199.8	187.3	174.0	153.4	132.0	149.0
20°	227.9	227.1	223.4	219.0	191.7	164.4	170.3	176.2	177.7	178.4	173.3
22.5°	203.5	204.3	208.7	213.1	213.8	214.6	182.9	150.4	168.9	187.3	169.6
25°	283.2	281.7	275.0	267.7	237.4	206.5	212.4	218.3	188.0	157.1	176.2
27.5°	269.1	264.7	261.8	258.8	264.0	269.1	241.1	212.4	219.0	225.6	201.3
30°	384.9	384.9	377.5	369.4	323.7	277.3	269.9	262.5	244.8	226.4	230.8
32.5°	487.4	487.4	460.1	432.1	404.8	377.5	341.4	305.3	297.9	289.8	282.4
35°	613.5	609.8	594.3	578.1	519.1	460.1	413.7	367.2	352.5	337.7	330.3
37.5°	731.5	723.4	702.0	679.9	617.9	555.3	494.0	432.8	416.6	400.4	384.2
40°	828.8	824.4	809.7	794.2	724.1	654.1	584.7	514.7	493.3	471.9	448.3
42.5°	918.0	914.4	901.1	887.1	817.8	747.7	682.1	615.7	584.0	552.3	524.3
45°	983.7	977.8	968.9	959.3	904.0	848.0	781.6	714.5	702.0	689.5	634.9
47.5°	1004.3	994.0	992.5	991.0	946.8	902.6	849.5	796.4	798.6	800.8	737.4
50°	974.1	958.6	965.2	971.9	954.2	935.7	894.5	853.2	871.6	889.3	839.1
52.5°	864.2	860.5	877.5	893.7	898.1	902.6	893.7	884.1	918.0	952.0	933.5
55°	713.1	729.3	752.9	776.5	794.9	812.6	838.4	864.2	922.5	980.7	994.0
57.5°	561.9	578.8	606.1	633.4	654.8	676.2	729.3	782.4	870.1	957.9	1017.6
60°	378.3	396.0	441.0	485.2	515.4	545.7	593.6	641.5	752.1	862.7	983.7
62.5°	252.2	246.3	283.9	320.8	369.4	418.1	439.5	460.1	575.9	690.9	886.3
65°	154.9	155.6	170.3	184.3	238.2	291.3	308.2	324.5	390.1	455.7	721.9
67.5°	104.0	106.2	112.8	119.5	145.3	171.1	200.6	230.1	245.5	260.3	526.5
70°	92.2	92.9	95.9	98.8	106.2	113.6	140.8	168.1	159.3	149.7	298.6
72.5°	81.1	81.8	87.0	91.4	95.1	98.8	115.0	131.3	120.9	110.6	149.0
75°	66.4	68.6	73.7	78.2	85.5	92.2	95.9	99.5	94.4	88.5	95.9
77.5°	54.6	56.0	59.7	63.4	70.8	77.4	81.1	84.8	76.7	68.6	73.0
80°	42.8	43.5	46.5	49.4	55.3	60.5	64.9	68.6	61.2	53.1	55.3
82.5°	25.8	26.5	31.0	34.7	39.8	44.2	47.2	49.4	51.6	53.1	46.5
85°	14.0	14.0	17.0	19.9	20.6	21.4	24.3	26.5	33.2	39.1	33.9
87.5°	2.2	2.2	2.9	2.9	4.4	5.2	5.9	5.9	6.6	6.6	7.4
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°	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4
2.5°	279.5	280.2	280.2	280.2	280.9	281.7	282.4	282.4	283.2	283.9	284.6
5°	232.3	251.4	269.9	272.8	275.0	276.5	278.0	278.7	280.2	281.7	282.4
7.5°	225.6	225.6	225.6	220.5	239.7	241.9	244.1	245.5	247.0	245.5	243.3
10°	174.8	174.8	174.0	175.5	183.6	197.6	210.9	212.4	213.8	202.0	189.5
12.5°	165.2	167.4	169.6	165.9	151.2	163.7	176.2	178.4	179.2	168.9	157.8
15°	142.3	143.1	143.8	149.0	179.2	191.7	204.3	206.5	208.7	197.6	185.8
17.5°	165.2	160.0	154.1	168.1	156.3	164.4	171.8	154.1	170.3	167.4	164.4
20°	168.1	150.4	132.0	157.1	183.6	196.1	207.9	209.4	210.2	201.3	191.7
22.5°	151.9	168.9	185.8	168.9	158.5	157.1	155.6	154.9	155.6	160.8	165.2
25°	195.4	174.0	152.6	191.7	216.1	222.0	227.9	224.9	223.4	212.4	201.3
27.5°	177.0	193.9	210.2	226.4	233.8	241.9	249.2	251.4	239.7	227.9	216.1
30°	234.5	244.8	254.4	287.6	311.9	319.3	326.7	319.3	314.9	300.1	284.6
32.5°	274.3	295.0	315.6	314.9	337.7	343.6	348.8	339.2	331.1	314.9	297.9
35°	323.0	336.2	349.5	356.9	379.8	382.0	384.2	371.6	359.8	340.7	321.5
37.5°	368.0	384.9	401.1	419.6	439.5	435.1	429.9	414.4	395.2	380.5	365.7
40°	424.0	444.6	465.3	488.9	500.7	494.0	486.7	463.1	444.6	429.2	413.7
42.5°	495.5	517.6	539.0	559.7	564.1	556.7	548.6	522.8	494.8	479.3	463.1
45°	579.6	597.3	615.0	636.4	645.2	631.9	617.9	585.5	552.3	530.2	508.1
47.5°	673.2	681.3	689.5	726.3	738.1	716.0	693.1	657.7	611.3	582.5	553.0
50°	789.0	786.8	783.8	816.3	843.6	806.7	769.1	727.8	682.1	641.5	600.2
52.5°	915.1	893.7	871.6	915.1	928.4	884.1	839.9	795.6	749.9	697.6	644.5
55°	1007.3	995.5	983.7	1014.6	1013.2	961.6	909.2	856.8	819.2	749.2	679.1
57.5°	1076.6	1086.9	1096.5	1127.5	1092.1	1033.1	974.1	921.7	889.3	801.5	713.8
60°	1103.9	1157.0	1209.3	1227.7	1173.9	1107.6	1040.5	988.8	961.6	855.4	749.2
62.5°	1081.7	1199.0	1316.2	1319.9	1249.1	1174.7	1100.2	1058.1	1044.1	913.6	782.4
65°	988.1	1181.3	1373.8	1387.0	1307.4	1229.2	1150.3	1119.4	1128.2	968.2	807.4
67.5°	792.0	1073.6	1354.6	1398.1	1321.4	1238.8	1156.2	1145.2	1178.3	994.7	811.1
70°	447.6	825.1	1201.9	1322.9	1282.3	1200.5	1117.9	1123.0	1172.4	980.0	787.5
72.5°	186.6	570.7	954.9	1144.4	1179.8	1110.5	1040.5	1059.6	1093.5	910.7	727.1
75°	103.2	364.3	625.3	877.5	986.6	968.2	949.0	970.4	954.2	777.2	600.2
77.5°	76.7	196.9	317.1	587.7	742.5	784.6	825.9	836.2	745.5	567.8	390.1
80°	57.5	93.6	129.0	300.1	398.2	473.4	548.6	502.2	438.7	306.8	174.8
82.5°	39.8	53.8	67.8	96.6	154.9	178.4	201.3	191.7	143.8	101.0	57.5
85°	28.0	35.4	42.8	53.1	66.4	53.1	39.8	32.4	37.6	34.7	31.7
87.5°	7.4	7.4	6.6	7.4	5.2	4.4	3.7	2.9	2.9	2.9	2.9
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°	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4
2.5°	285.4	286.1	286.1	286.1	286.1	285.4	281.7	278.0	269.1	260.3	257.3
5°	272.8	263.2	255.9	248.5	248.5	248.5	250.0	251.4	252.2	252.9	253.7
7.5°	243.3	242.6	245.5	248.5	250.7	252.9	254.4	255.9	252.9	250.0	243.3
10°	190.2	190.2	193.9	196.9	202.0	207.2	222.0	236.7	249.2	261.8	264.0
12.5°	172.5	186.6	178.4	169.6	188.0	206.5	222.7	238.2	250.7	262.5	252.9
15°	173.3	160.0	163.0	165.9	185.8	205.7	191.0	175.5	205.0	233.8	240.4
17.5°	165.2	165.9	179.2	192.5	172.5	151.9	177.7	203.5	214.6	224.9	215.3
20°	169.6	146.7	162.2	177.7	191.7	205.0	191.7	177.7	181.4	185.1	210.2
22.5°	179.2	193.2	179.9	166.6	182.9	198.4	191.7	185.1	196.9	207.9	197.6
25°	178.4	154.9	177.0	199.1	184.3	168.9	177.0	185.1	179.2	172.5	191.7
27.5°	205.7	195.4	189.5	182.9	191.0	199.1	182.1	165.2	165.2	165.2	163.0
30°	257.3	230.1	218.3	205.7	185.8	165.9	160.0	154.1	154.9	155.6	166.6
32.5°	287.6	277.3	241.9	206.5	188.0	169.6	154.1	138.6	140.1	141.6	155.6
35°	314.1	306.0	258.8	210.9	180.7	149.7	136.4	122.4	129.0	134.9	146.7
37.5°	344.4	322.2	258.1	193.2	160.8	128.3	120.2	112.1	116.5	120.2	127.6
40°	371.6	328.9	251.4	173.3	140.8	107.7	104.0	99.5	103.2	106.9	111.3
42.5°	401.1	338.5	241.9	144.5	118.7	92.9	91.4	90.0	93.6	97.3	100.3
45°	424.0	339.9	229.3	118.0	101.0	84.1	84.1	83.3	87.0	90.0	91.4
47.5°	438.7	323.7	209.4	94.4	87.0	79.6	80.4	80.4	83.3	85.5	86.3
50°	449.1	297.2	190.2	83.3	79.6	76.0	76.0	76.0	78.9	81.1	82.6
52.5°	456.4	267.7	172.5	76.7	75.2	73.0	73.0	72.3	76.0	79.6	80.4
55°	458.7	237.4	154.9	71.5	70.1	68.6	70.1	70.8	75.2	78.9	79.6
57.5°	463.8	213.8	140.1	66.4	65.6	64.9	67.1	69.3	73.7	78.2	78.2
60°	474.1	198.4	129.8	61.2	61.2	61.2	64.9	67.8	72.3	76.7	76.0
62.5°	483.7	184.3	120.2	56.0	56.8	57.5	61.9	66.4	70.8	75.2	74.5
65°	485.2	162.2	106.9	51.6	53.1	53.8	59.0	64.2	68.6	73.0	71.5
67.5°	469.0	126.8	87.0	47.2	49.4	50.9	56.8	61.9	66.4	70.1	68.6
70°	439.5	90.7	67.1	43.5	45.7	47.2	53.1	58.3	61.9	65.6	64.2
72.5°	396.0	64.9	52.4	39.8	41.3	42.8	47.9	53.1	57.5	61.2	59.7
75°	326.7	52.4	44.2	36.1	37.6	38.3	43.5	47.9	52.4	56.0	53.8
77.5°	216.8	42.8	37.6	32.4	33.2	33.9	38.3	42.0	45.7	48.7	47.2
80°	104.7	34.7	31.7	28.0	28.8	28.8	32.4	36.1	39.1	41.3	40.6
82.5°	42.8	27.3	25.1	22.9	22.9	22.9	26.5	29.5	32.4	34.7	33.2
85°	26.5	21.4	19.9	17.7	17.0	16.2	17.7	19.2	20.6	21.4	20.6
87.5°	3.7	3.7	4.4	5.2	4.4	2.9	4.4	5.9	5.9	5.2	4.4
90°	0.0	0.0	2.2	2.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	285.4	285.4	285.4	285.4
2.5°	254.4	254.4	254.4	255.9
5°	253.7	253.7	253.7	255.1
7.5°	236.7	229.3	222.0	222.7
10°	265.5	266.2	266.2	266.9
12.5°	242.6	230.8	219.0	220.5
15°	247.0	247.0	246.3	247.0
17.5°	205.7	202.0	198.4	198.4
20°	235.2	235.2	235.2	235.2
22.5°	187.3	186.6	185.8	186.6
25°	210.9	211.6	211.6	210.9
27.5°	160.8	170.3	179.2	179.9
30°	177.0	177.0	177.0	177.0
32.5°	169.6	177.0	184.3	185.1
35°	157.8	157.1	156.3	158.5
37.5°	134.2	132.7	131.3	131.3
40°	115.8	112.8	109.9	109.9
42.5°	102.5	100.3	97.3	96.6
45°	92.9	90.7	87.7	87.7
47.5°	86.3	84.8	83.3	82.6
50°	83.3	81.8	80.4	80.4
52.5°	81.1	80.4	78.9	78.9
55°	79.6	78.9	77.4	77.4
57.5°	78.2	77.4	76.0	76.0
60°	75.2	74.5	73.7	73.7
62.5°	73.0	72.3	71.5	71.5
65°	70.1	70.1	69.3	68.6
67.5°	66.4	66.4	66.4	64.9
70°	61.9	61.9	61.9	60.5
72.5°	57.5	57.5	56.8	54.6
75°	51.6	50.9	50.1	48.7
77.5°	45.7	44.2	42.8	42.0
80°	39.1	37.6	36.1	34.7
82.5°	31.0	30.2	28.8	25.1
85°	19.2	17.0	14.0	12.5
87.5°	3.7	2.9	2.2	0.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)