

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: P560104

Luminaire Tested: **SDL-PA1-20-827-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560104
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
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-T3-HSS
Description: Springdale
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1501.9 lumens
Efficiency: N/A
Efficacy: 71.5 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

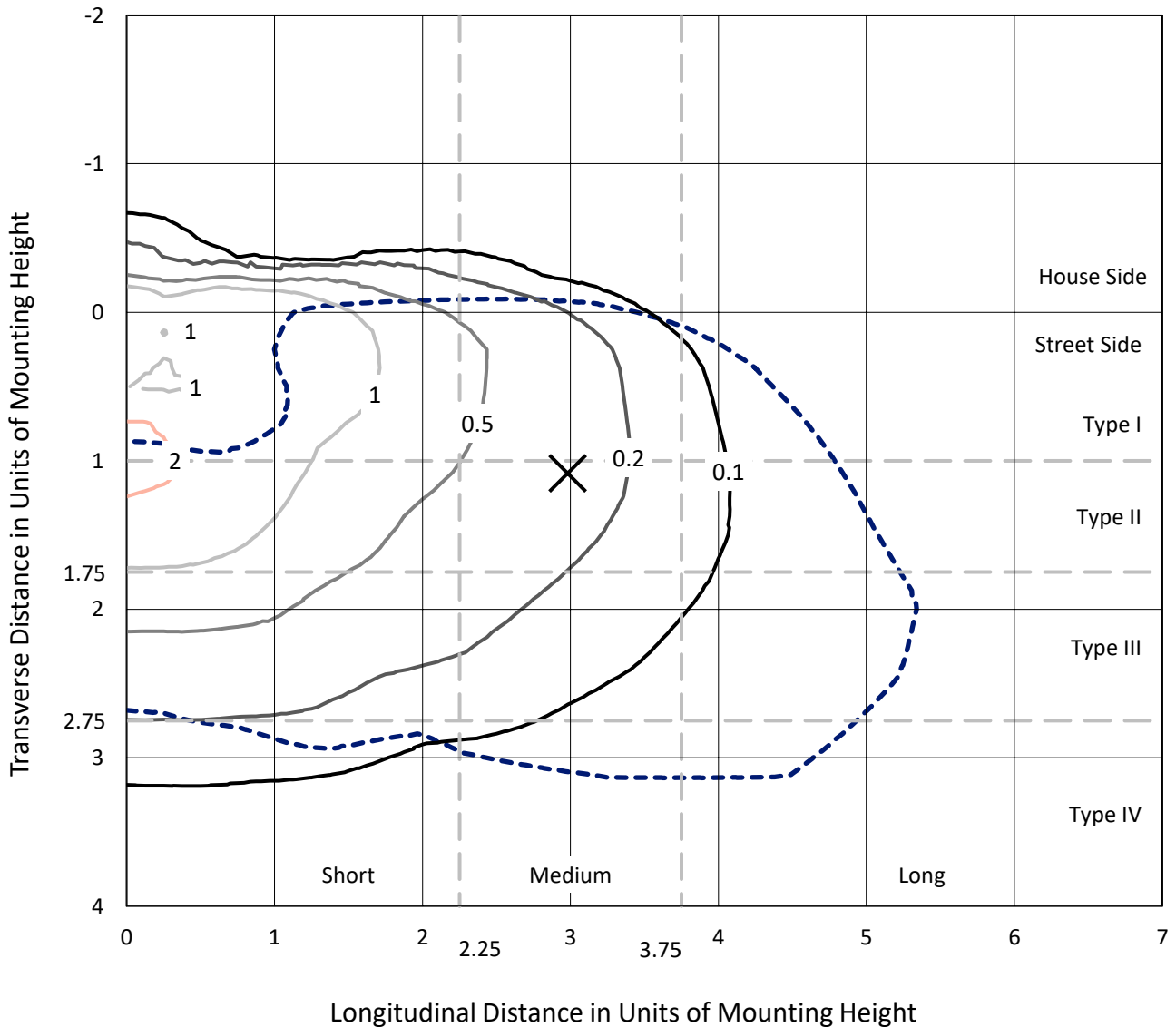
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

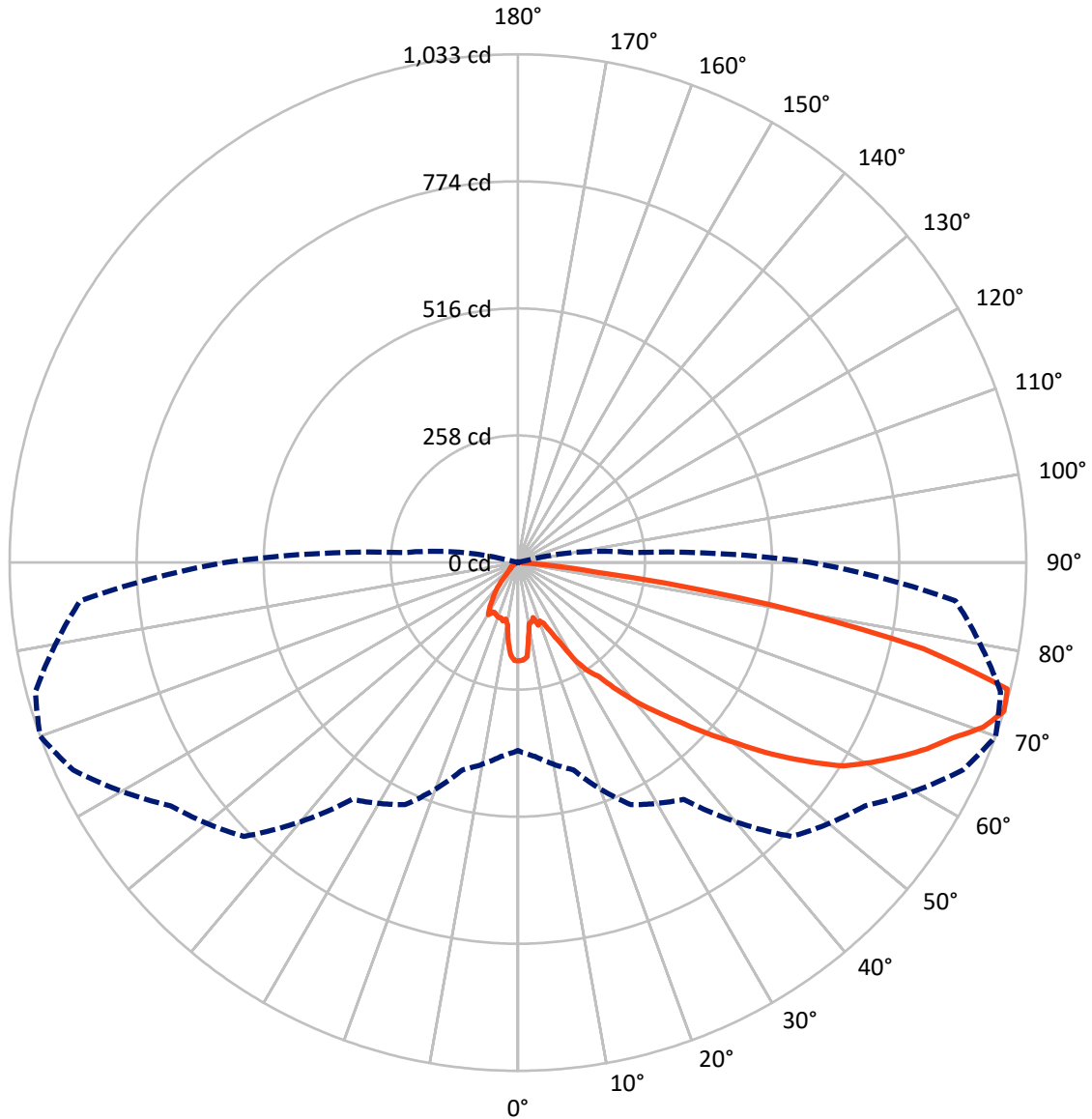
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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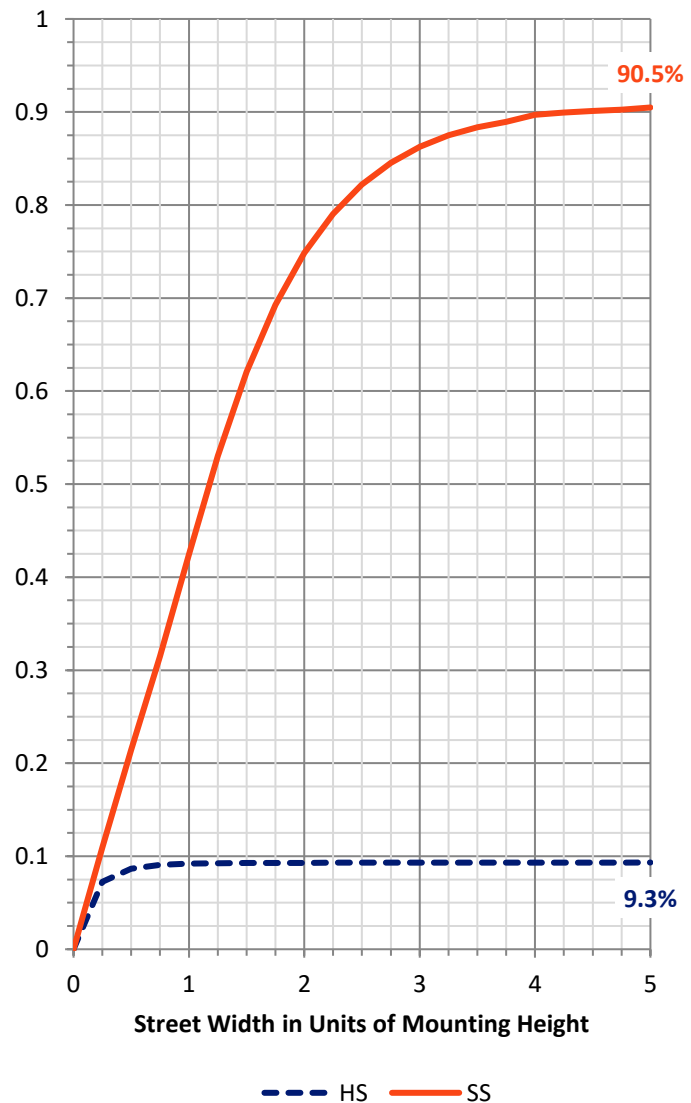
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	141.6	0.0	141.6
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	1360.3	0.0	1360.3
	% Fixture	90.6	0.0	90.6
Total	Lumens	1501.9	0.0	1501.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	1.0
10°-20°	30.8	2.0
20°-30°	50.1	3.3
30°-40°	106.9	7.1
40°-50°	206.0	13.7
50°-60°	340.7	22.7
60°-70°	417.1	27.8
70°-80°	305.6	20.3
80°-90°	29.3	2.0
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°	1501.9	100.0
0°-180°	1501.9	100.0



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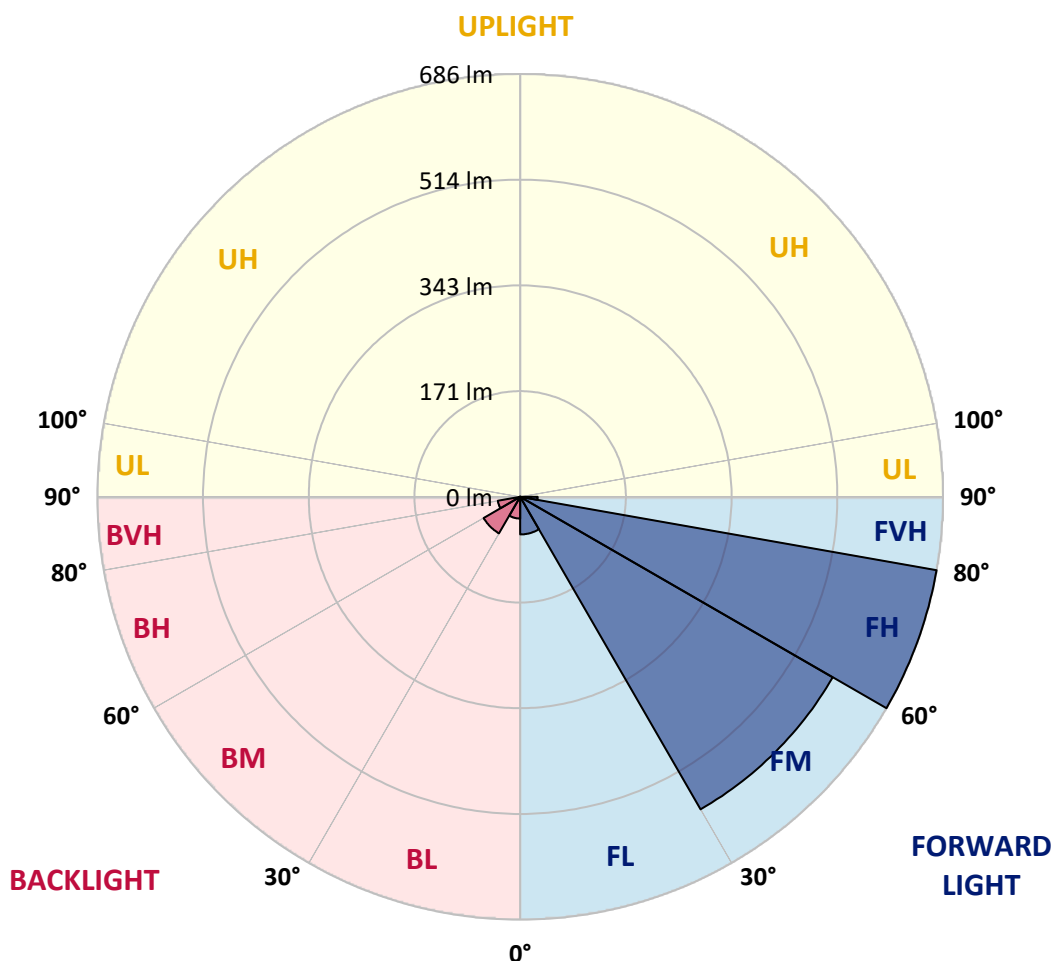
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	61.0	4.1			
FM	(30°-60°)	585.2	39.0			
FH	(60°-80°)	685.7	45.7			G1/1800
FVH	(80°-90°)	28.3	1.9			G1/100
BL	(0°-30°)	35.3	2.3	B0/110		
BM	(30°-60°)	68.4	4.6	B0/220		
BH	(60°-80°)	36.9	2.5	B0/110		G0/110
BVH	(80°-90°)	1.0	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°	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9
2.5°	177.7	182.9	185.9	188.8	188.1	187.3	188.8	190.3	193.2	195.4	196.9
5°	160.0	160.0	160.0	160.0	160.8	160.8	160.8	160.8	161.5	162.3	163.0
7.5°	138.7	141.6	143.1	144.6	148.2	151.2	154.1	157.1	158.6	159.3	160.0
10°	150.5	150.5	150.5	150.5	151.2	151.2	141.6	131.3	132.0	132.8	128.3
12.5°	124.6	123.9	132.0	139.4	144.6	149.0	143.8	137.9	129.1	119.5	118.0
15°	146.8	146.8	146.8	146.8	136.4	126.1	118.7	111.4	117.3	122.4	110.6
17.5°	115.8	118.7	127.6	136.4	136.4	136.4	129.8	123.2	110.6	97.4	111.4
20°	143.8	143.8	143.8	143.1	126.1	109.2	115.1	120.2	125.4	130.5	128.3
22.5°	119.5	118.0	120.2	122.4	127.6	132.0	117.3	101.8	118.7	135.0	126.9
25°	151.2	151.2	151.9	151.9	135.7	119.5	129.1	137.9	125.4	112.8	132.8
27.5°	136.4	132.0	131.3	129.8	135.0	139.4	132.8	126.1	140.1	154.1	147.5
30°	189.5	189.5	184.4	179.2	159.3	138.7	140.9	142.3	142.3	142.3	157.1
32.5°	263.3	264.0	244.1	223.5	205.8	187.3	171.1	154.1	163.0	171.8	181.4
35°	354.7	357.0	342.9	328.2	284.7	241.2	213.9	186.6	185.9	184.4	198.4
37.5°	420.4	424.8	413.7	402.7	351.1	299.4	260.3	221.3	217.6	213.1	218.3
40°	482.3	479.4	472.7	465.4	410.8	355.5	312.7	269.2	259.6	249.3	250.0
42.5°	562.7	553.9	536.9	519.9	467.6	415.2	369.5	323.8	308.3	292.8	289.8
45°	666.7	652.0	627.6	602.5	550.9	499.3	443.2	386.5	367.3	347.4	342.9
47.5°	719.8	709.5	694.0	677.8	624.7	571.6	517.7	463.2	436.6	409.3	401.9
50°	782.5	769.2	758.9	747.8	702.1	655.6	605.5	554.6	519.2	483.8	471.3
52.5°	842.2	820.1	810.5	800.2	764.1	727.2	674.8	622.5	599.6	576.0	545.8
55°	863.6	842.2	837.8	833.4	807.6	781.8	733.8	685.9	659.3	632.0	607.7
57.5°	817.2	820.1	833.4	846.7	831.9	817.2	778.1	738.2	708.7	679.2	665.2
60°	785.4	792.1	812.0	831.9	831.9	831.9	810.5	789.1	761.1	733.1	723.5
62.5°	734.6	742.7	772.9	803.1	822.3	841.5	818.6	795.8	786.2	775.9	767.0
65°	667.4	669.7	703.6	737.5	777.3	816.4	795.0	772.9	791.3	809.8	800.9
67.5°	590.0	593.7	625.4	656.4	703.6	750.8	744.9	738.2	778.8	819.4	818.6
70°	497.8	504.5	531.7	558.3	611.4	663.8	669.7	675.6	745.6	814.9	828.2
72.5°	382.0	395.3	416.0	435.9	489.7	542.8	564.9	587.1	687.4	786.9	824.5
75°	126.9	135.7	193.2	250.0	304.6	359.2	407.8	455.8	581.2	705.8	784.0
77.5°	36.9	38.4	49.4	59.7	102.5	144.6	194.7	244.1	366.5	488.2	618.0
80°	19.2	19.9	22.1	24.3	35.4	46.5	67.1	87.0	143.1	199.1	335.6
82.5°	13.3	13.3	15.5	17.0	21.4	25.8	36.9	47.9	52.4	56.8	135.0
85°	4.4	4.4	5.9	7.4	10.3	13.3	19.9	25.8	25.8	25.1	36.1
87.5°	0.7	0.7	1.5	2.2	3.7	4.4	3.7	3.0	2.2	1.5	3.0
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°	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9
2.5°	197.7	198.4	198.4	198.4	199.1	199.1	199.1	199.1	198.4	199.1	199.1
5°	163.0	176.3	188.8	192.5	194.7	195.4	195.4	195.4	194.7	194.7	194.7
7.5°	160.8	160.0	159.3	153.4	167.4	170.4	172.6	171.8	171.8	168.2	163.7
10°	123.9	123.9	123.9	125.4	133.5	143.1	152.7	152.7	152.7	141.6	130.5
12.5°	115.8	120.2	123.9	123.9	110.6	121.7	132.8	132.8	132.8	121.7	109.9
15°	98.8	104.0	108.4	115.8	137.9	151.2	164.5	164.5	163.7	151.2	137.9
17.5°	124.6	123.2	121.0	134.2	126.1	128.3	130.5	123.9	133.5	129.8	126.1
20°	126.1	112.8	98.8	126.9	155.6	168.2	180.7	181.4	179.2	165.2	150.5
22.5°	118.7	135.7	151.9	134.2	138.7	135.7	132.0	130.5	130.5	129.8	129.1
25°	151.9	135.7	119.5	157.1	183.6	192.5	201.3	199.1	196.2	176.3	156.4
27.5°	140.1	156.4	171.8	186.6	199.9	208.0	216.1	239.0	208.0	185.1	161.5
30°	171.1	191.0	210.2	231.6	272.1	283.9	295.7	289.8	282.5	238.2	194.0
32.5°	190.3	222.0	253.0	262.6	286.9	298.0	308.3	303.1	294.3	236.0	177.7
35°	211.7	241.2	269.9	285.4	314.9	323.8	331.9	323.8	314.2	233.8	153.4
37.5°	223.5	263.3	302.4	328.9	354.0	356.2	357.7	350.3	337.8	233.8	129.8
40°	250.8	293.5	335.6	373.9	393.8	394.6	395.3	383.5	360.6	231.6	101.8
42.5°	286.9	330.4	373.2	415.2	441.8	439.6	436.6	420.4	382.8	227.9	73.0
45°	338.5	376.9	415.2	462.4	494.9	489.0	482.3	458.0	398.3	224.2	49.4
47.5°	393.8	424.1	453.6	518.5	559.8	547.2	534.0	498.6	409.3	222.7	35.4
50°	458.0	482.3	506.7	577.5	626.9	603.3	579.7	539.1	413.7	221.3	28.0
52.5°	514.8	539.9	564.2	646.8	684.4	657.9	631.3	570.8	411.5	218.3	24.3
55°	582.6	604.8	626.9	713.2	743.4	708.0	671.9	593.7	400.5	211.7	22.1
57.5°	650.5	673.3	695.5	779.5	788.4	753.7	718.3	615.8	389.4	205.0	19.9
60°	713.9	739.7	765.5	824.5	831.2	800.2	769.2	637.2	371.7	194.7	17.7
62.5°	758.2	793.6	829.0	868.8	871.7	843.7	814.9	653.4	348.8	182.9	16.2
65°	791.3	840.0	888.0	912.3	910.8	890.9	871.0	667.4	330.4	171.8	13.3
67.5°	817.2	876.2	935.2	951.4	955.1	936.6	918.2	669.7	307.5	159.3	10.3
70°	841.5	906.4	971.3	1002.3	994.9	966.1	937.4	652.7	276.6	142.3	7.4
72.5°	861.4	929.3	997.1	1032.5	1014.8	953.6	892.4	595.2	231.6	118.7	5.2
75°	861.4	929.3	996.4	1026.6	966.1	844.4	722.0	443.2	135.7	70.1	4.4
77.5°	747.8	797.2	846.7	842.2	736.0	584.8	432.9	255.2	45.7	25.1	3.7
80°	472.0	504.5	536.9	520.7	376.1	269.9	163.0	85.6	16.2	9.6	3.0
82.5°	213.1	209.5	205.8	158.6	73.8	49.4	24.3	14.8	4.4	3.0	1.5
85°	47.2	45.7	44.3	32.5	22.1	14.8	7.4	4.4	2.2	2.2	1.5
87.5°	4.4	5.2	5.2	3.7	3.7	3.0	1.5	1.5	1.5	1.5	1.5
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°	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9
2.5°	199.1	199.1	199.1	198.4	198.4	198.4	193.2	187.3	183.6	179.2	177.0
5°	188.1	181.4	173.3	165.2	163.7	161.5	162.3	162.3	163.0	163.0	163.0
7.5°	160.0	156.4	157.8	159.3	159.3	159.3	159.3	158.6	157.8	157.1	149.7
10°	127.6	124.6	124.6	124.6	126.9	128.3	124.6	120.2	126.9	132.8	131.3
12.5°	117.3	124.6	115.1	104.7	106.2	106.9	106.9	106.2	103.3	100.3	90.0
15°	122.4	106.9	98.1	88.5	88.5	88.5	71.5	54.6	50.9	47.2	47.9
17.5°	117.3	108.4	98.1	87.0	65.6	43.5	41.3	38.4	38.4	38.4	39.1
20°	118.0	85.6	72.3	59.0	47.2	34.7	32.5	29.5	28.0	25.8	30.2
22.5°	115.8	101.8	69.3	36.9	32.5	28.0	25.8	22.9	26.6	30.2	30.2
25°	112.1	67.1	50.2	32.5	27.3	22.1	25.1	27.3	25.8	23.6	27.3
27.5°	112.8	63.4	43.5	23.6	25.1	25.8	24.3	22.1	24.3	25.8	24.3
30°	121.7	49.4	36.9	23.6	22.9	21.4	22.1	22.9	22.1	20.7	22.1
32.5°	108.4	39.1	31.0	22.1	21.4	20.7	19.9	19.2	19.9	19.9	19.9
35°	91.5	29.5	25.1	20.7	19.2	17.7	17.7	17.0	17.0	17.0	17.0
37.5°	77.4	25.1	22.1	18.4	17.0	15.5	14.8	13.3	13.3	12.5	12.5
40°	62.7	22.9	19.9	16.2	14.8	12.5	11.8	10.3	10.3	9.6	9.6
42.5°	47.2	20.7	17.7	14.0	12.5	10.3	8.9	7.4	7.4	6.6	6.6
45°	33.9	18.4	15.5	11.8	10.3	8.1	6.6	5.2	5.2	4.4	4.4
47.5°	26.6	17.0	14.0	10.3	8.1	5.9	5.2	3.7	3.7	3.7	3.7
50°	21.4	14.8	11.8	8.1	5.9	3.7	3.0	2.2	2.2	2.2	2.2
52.5°	19.2	13.3	10.3	6.6	5.2	3.0	2.2	1.5	2.2	2.2	2.2
55°	17.0	11.8	8.9	5.2	3.7	2.2	2.2	1.5	2.2	2.2	2.2
57.5°	15.5	10.3	7.4	3.7	3.0	1.5	1.5	0.7	1.5	1.5	1.5
60°	13.3	8.9	5.9	3.0	2.2	0.7	0.7	0.7	1.5	1.5	1.5
62.5°	11.8	7.4	5.2	2.2	1.5	0.7	0.7	0.7	1.5	1.5	1.5
65°	9.6	5.2	3.7	1.5	1.5	0.7	0.7	0.7	1.5	1.5	1.5
67.5°	7.4	3.7	3.0	1.5	1.5	0.7	0.7	0.7	1.5	1.5	0.7
70°	5.2	3.0	2.2	0.7	0.7	0.7	0.7	0.7	1.5	1.5	0.7
72.5°	3.7	2.2	1.5	0.7	0.7	0.0	0.7	0.7	1.5	1.5	1.5
75°	3.7	2.2	1.5	0.7	0.7	0.0	0.7	1.5	1.5	1.5	1.5
77.5°	3.0	1.5	1.5	0.7	0.7	0.0	0.7	1.5	1.5	1.5	1.5
80°	2.2	1.5	1.5	0.7	0.7	0.0	1.5	2.2	2.2	2.2	1.5
82.5°	1.5	1.5	1.5	0.7	0.7	0.0	1.5	2.2	2.2	2.2	1.5
85°	1.5	1.5	1.5	1.5	0.7	0.0	1.5	2.2	2.2	2.2	2.2
87.5°	1.5	1.5	1.5	1.5	1.5	0.7	2.2	3.0	3.0	2.2	2.2
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°	199.9	199.9	199.9	199.9
2.5°	174.1	174.1	173.3	175.5
5°	163.0	163.0	163.0	163.7
7.5°	141.6	136.4	131.3	132.0
10°	129.1	127.6	125.4	126.9
12.5°	79.7	75.2	70.1	67.9
15°	48.7	48.7	48.7	47.9
17.5°	39.8	36.9	33.2	33.9
20°	34.7	35.4	36.1	36.1
22.5°	30.2	28.8	27.3	27.3
25°	30.2	30.2	30.2	30.2
27.5°	22.9	22.9	22.1	22.1
30°	23.6	23.6	22.9	22.1
32.5°	19.2	19.2	19.2	19.2
35°	16.2	15.5	14.8	14.8
37.5°	12.5	11.8	11.1	11.1
40°	8.9	8.9	8.1	8.1
42.5°	6.6	6.6	5.9	5.9
45°	4.4	4.4	4.4	4.4
47.5°	3.0	3.0	3.0	3.0
50°	2.2	2.2	2.2	2.2
52.5°	2.2	2.2	1.5	1.5
55°	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5
60°	1.5	1.5	0.7	0.7
62.5°	0.7	0.7	0.7	0.7
65°	0.7	0.7	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°	0.7	0.7	0.0	0.0
75°	0.7	0.7	0.0	0.0
77.5°	0.7	0.7	0.0	0.0
80°	0.7	0.7	0.0	0.0
82.5°	0.7	0.7	0.7	0.0
85°	1.5	1.5	0.7	0.0
87.5°	1.5	1.5	0.7	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)