

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: P560109

Luminaire Tested: **SDL-PA1-20-827-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
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-T4W
Description: Springdale
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2015 lumens
Efficiency: N/A
Efficacy: 96.0 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: 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

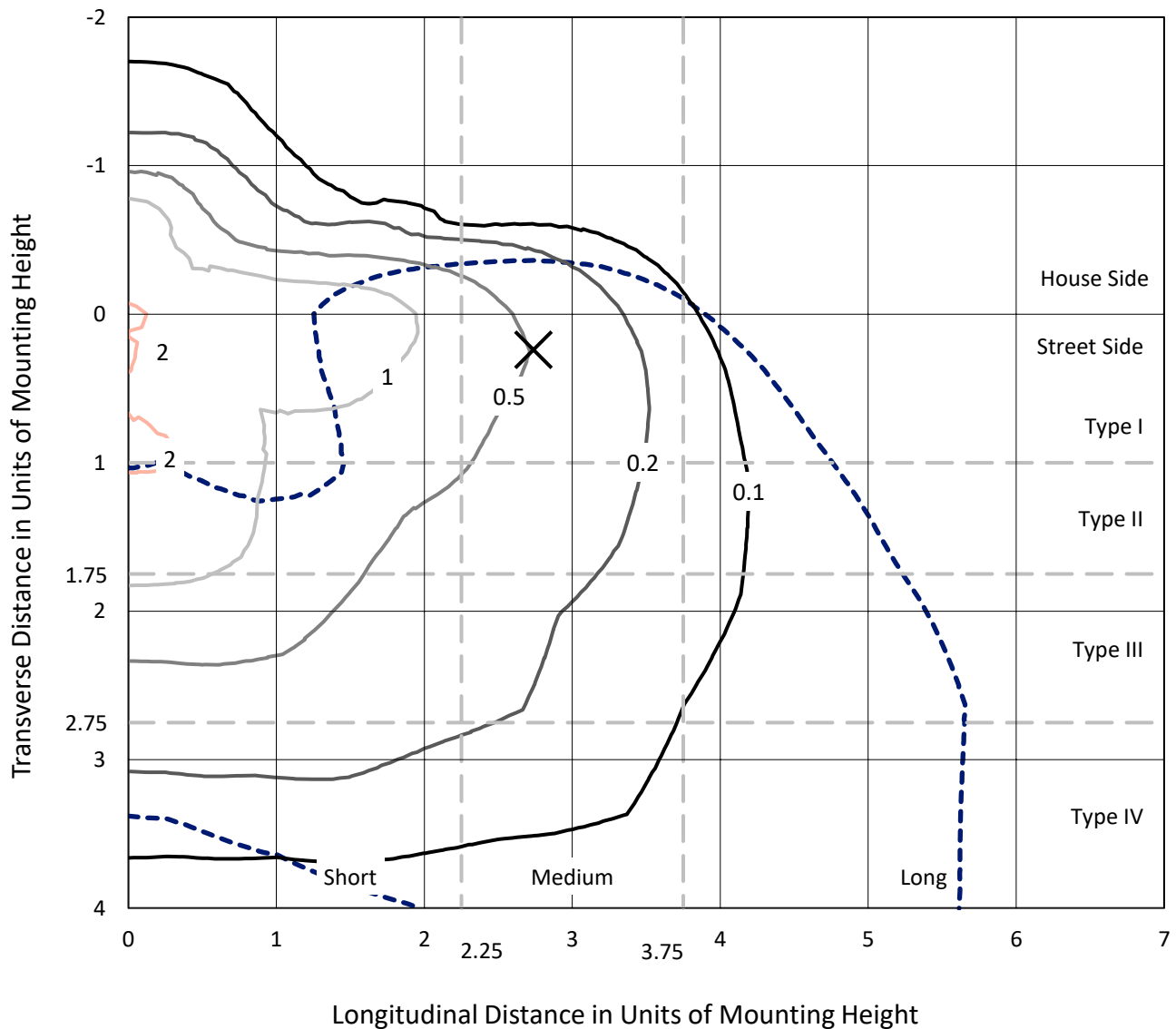


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

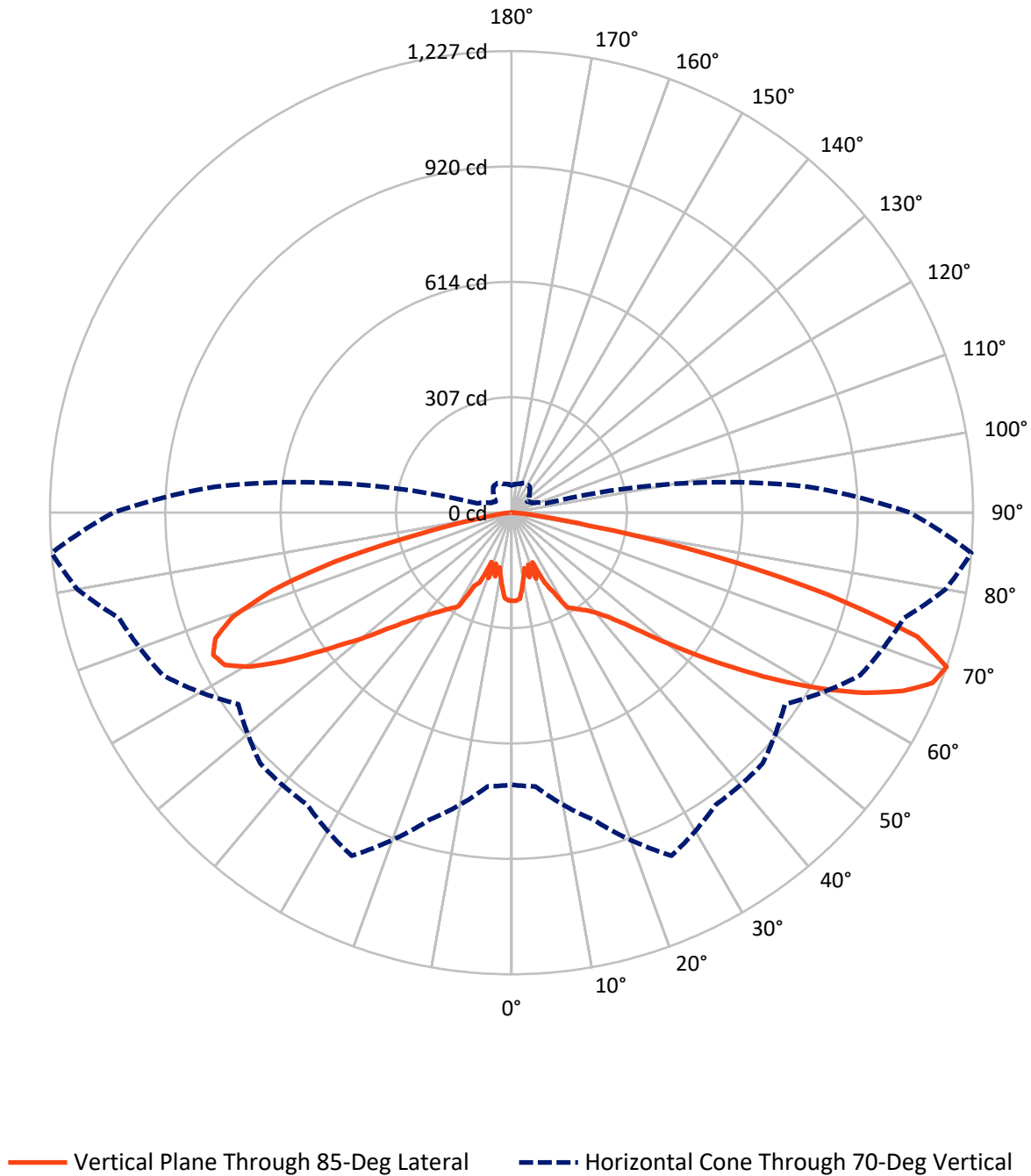


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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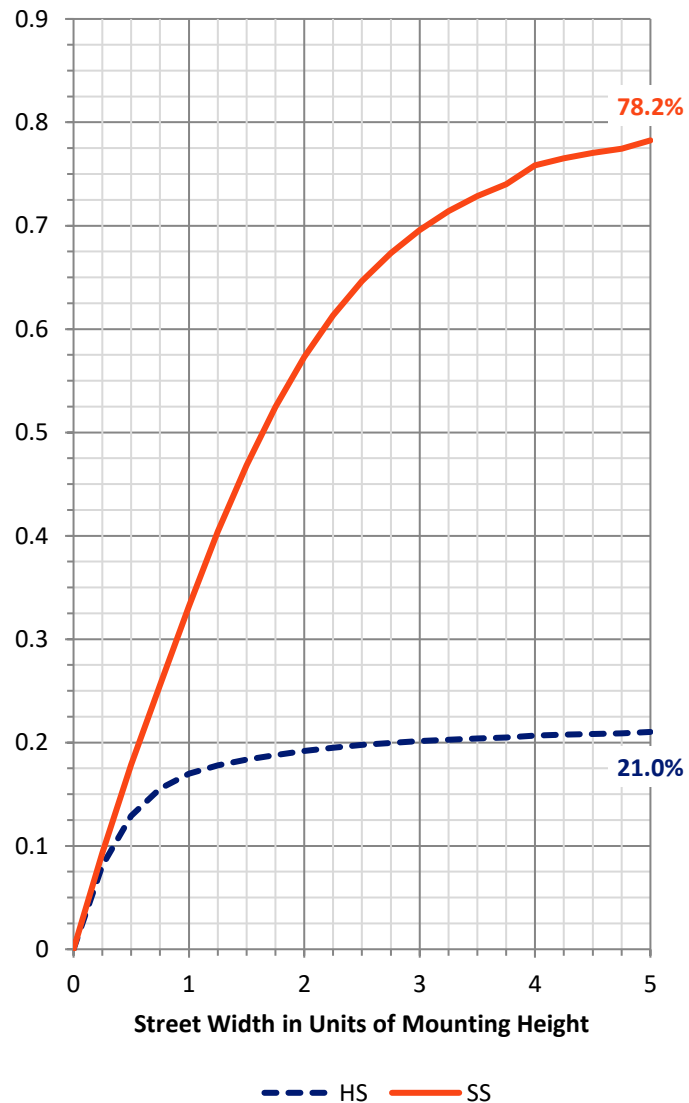
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	433.2	0.0	433.2
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	1581.7	0.0	1581.7
	% Fixture	78.5	0.0	78.5
Total	Lumens	2015.0	0.0	2015.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	1.0
10°-20°	49.0	2.4
20°-30°	85.7	4.3
30°-40°	151.0	7.5
40°-50°	227.8	11.3
50°-60°	362.4	18.0
60°-70°	531.4	26.4
70°-80°	498.3	24.7
80°-90°	90.0	4.5
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°	2015.0	100.0
0°-180°	2015.0	100.0

Coefficient of Utilization



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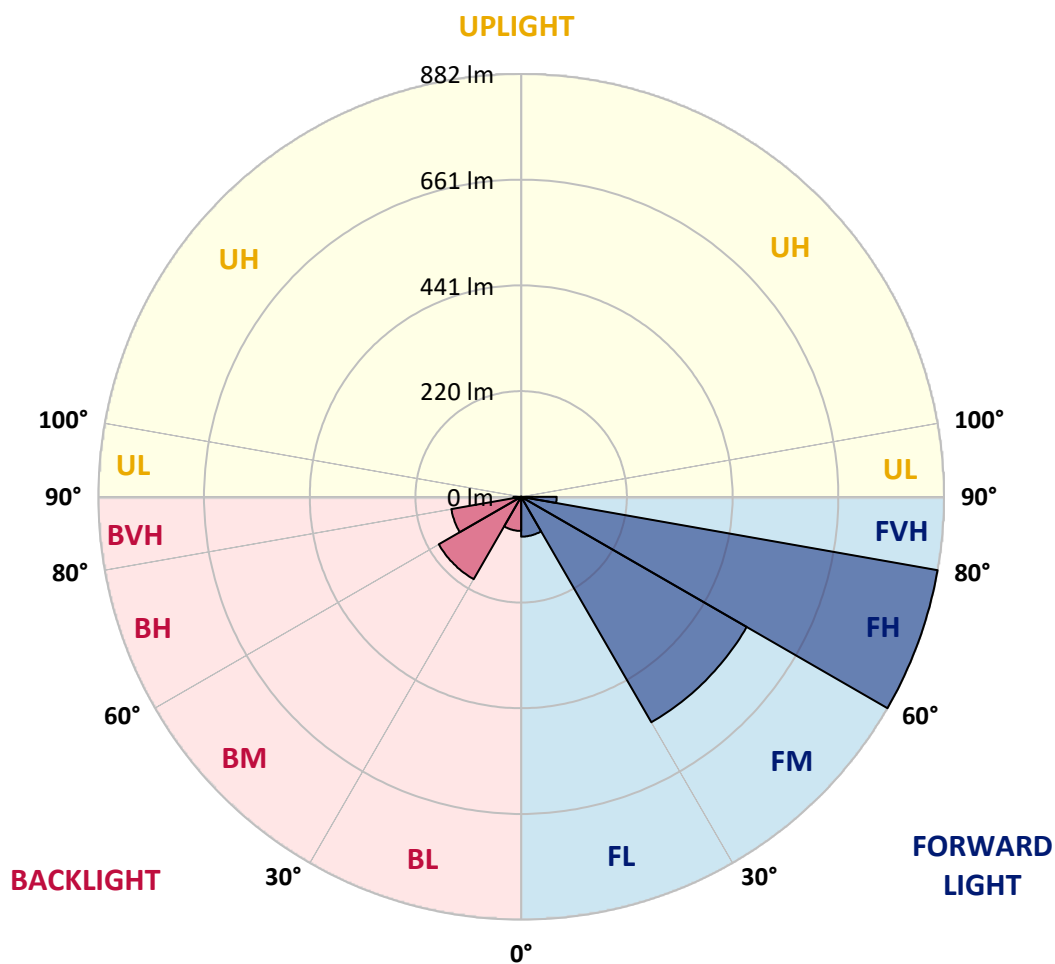
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	83.1	4.1			
FM	(30°-60°)	542.8	26.9			
FH	(60°-80°)	881.7	43.8			G1/1800
FVH	(80°-90°)	74.1	3.7			G1/100
BL	(0°-30°)	71.1	3.5	B0/110		
BM	(30°-60°)	198.3	9.8	B0/220		
BH	(60°-80°)	147.9	7.3	B1/500		G1/500
BVH	(80°-90°)	15.9	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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3
2.5°	212.7	221.7	226.1	230.6	232.1	233.6	233.6	232.8	232.8	232.8	234.3
5°	216.5	215.7	215.7	215.7	215.0	214.2	213.5	212.0	211.2	209.8	209.0
7.5°	198.6	213.5	214.2	215.0	215.0	214.2	215.7	217.2	215.7	213.5	210.5
10°	235.8	235.1	233.6	232.1	229.8	227.6	210.5	192.7	194.1	195.6	181.5
12.5°	204.6	218.7	224.6	230.6	231.3	231.3	219.4	206.8	190.4	174.1	167.4
15°	249.9	248.4	245.5	242.5	222.4	201.6	189.7	177.8	177.8	177.8	157.7
17.5°	210.5	209.8	223.1	236.5	229.1	221.7	204.6	187.4	162.2	136.1	152.5
20°	258.1	258.1	254.4	250.7	216.5	181.5	183.7	185.2	186.0	186.0	178.5
22.5°	216.5	215.0	216.5	217.2	217.2	217.2	186.0	154.7	171.8	188.2	171.1
25°	258.1	258.9	258.1	257.4	226.1	194.1	199.3	204.6	180.8	156.2	172.6
27.5°	225.4	224.6	220.9	217.2	217.9	218.7	202.3	185.2	194.9	204.6	187.4
30°	276.0	276.7	274.5	271.5	240.3	209.0	207.5	205.3	198.6	191.9	197.9
32.5°	333.2	333.2	310.2	287.1	267.8	247.7	231.3	215.0	221.7	228.4	220.9
35°	363.7	362.2	354.8	346.6	310.9	274.5	252.2	229.1	231.3	232.8	232.8
37.5°	418.0	417.3	406.9	396.5	348.1	299.0	270.0	240.3	244.7	248.4	243.2
40°	485.7	485.7	477.5	468.6	406.9	344.4	303.5	262.6	261.8	260.3	254.4
42.5°	551.2	553.4	548.2	543.0	470.8	398.7	345.1	291.6	284.9	278.2	272.2
45°	594.3	597.3	601.8	606.2	534.8	463.4	400.9	337.7	325.1	311.7	301.3
47.5°	638.2	633.7	639.7	645.6	584.7	523.7	455.2	386.8	366.0	345.1	334.0
50°	679.1	677.6	679.9	682.1	632.3	582.4	511.8	441.1	415.8	389.8	377.1
52.5°	732.7	727.5	724.5	721.5	679.1	636.7	569.8	502.1	472.3	441.8	427.0
55°	784.0	781.8	777.3	772.1	735.6	699.2	628.5	557.9	526.6	495.4	478.3
57.5°	836.8	835.3	834.6	833.8	801.8	769.9	697.7	624.8	589.1	552.7	538.5
60°	886.6	887.4	893.3	898.5	874.0	849.5	776.6	703.7	658.3	612.2	598.0
62.5°	916.4	918.6	933.5	947.6	934.3	920.9	845.7	769.9	722.3	673.9	664.2
65°	878.5	889.6	932.8	975.9	975.9	975.9	907.5	838.3	796.6	755.0	746.8
67.5°	793.7	804.8	866.6	927.6	959.5	991.5	946.9	902.3	874.0	845.0	834.6
70°	723.7	730.4	788.5	845.7	926.1	1006.4	977.4	947.6	946.2	943.9	915.7
72.5°	665.0	679.9	727.5	774.3	885.2	996.0	995.2	994.5	1025.0	1055.5	1001.2
75°	531.8	530.4	575.0	619.6	744.6	868.8	938.7	1007.9	1095.7	1182.7	1099.4
77.5°	237.3	253.6	296.0	338.4	450.8	562.3	697.0	831.6	1025.0	1217.6	1132.9
80°	67.7	71.4	83.3	94.5	147.3	199.3	340.7	481.3	724.5	967.0	909.7
82.5°	35.7	37.2	44.6	51.3	66.2	80.3	133.9	186.7	395.7	604.0	551.9
85°	17.1	15.6	20.1	23.8	32.0	40.2	61.7	83.3	153.2	223.1	192.7
87.5°	3.7	3.7	4.5	4.5	6.7	8.9	13.4	17.9	17.1	15.6	18.6
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°	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3
2.5°	235.1	235.8	236.5	235.8	235.1	234.3	234.3	233.6	233.6	232.8	231.3
5°	208.3	218.7	229.1	229.8	230.6	230.6	229.8	229.1	227.6	226.9	225.4
7.5°	207.5	203.8	200.1	200.8	201.6	202.3	202.3	200.1	199.3	193.4	187.4
10°	166.6	162.9	159.2	161.4	163.6	171.8	176.3	174.8	173.3	162.9	151.7
12.5°	160.7	159.2	157.7	146.5	135.4	145.0	151.7	151.0	148.8	139.1	129.4
15°	137.6	138.4	138.4	151.0	163.6	171.8	177.8	176.3	174.8	162.9	151.0
17.5°	168.1	159.9	151.0	148.8	146.5	150.3	145.0	136.9	142.1	140.6	139.1
20°	170.3	150.3	129.4	150.3	171.1	176.3	187.4	186.7	184.5	174.1	163.6
22.5°	154.0	165.9	177.0	165.9	154.7	147.3	143.6	142.1	141.3	144.3	146.5
25°	188.9	166.6	143.6	171.1	197.9	203.8	206.8	204.6	203.8	190.4	177.0
27.5°	169.6	181.5	193.4	202.3	211.2	218.7	241.0	219.4	218.7	206.0	192.7
30°	203.1	215.7	228.4	251.4	274.5	287.1	291.6	290.1	286.4	266.3	246.2
32.5°	213.5	238.8	263.3	273.7	283.4	296.8	303.5	302.7	299.0	275.2	250.7
35°	232.8	251.4	270.0	284.1	297.5	310.2	316.1	318.4	313.9	284.1	253.6
37.5°	238.0	261.8	285.6	300.5	315.4	325.1	330.3	337.0	331.7	296.0	259.6
40°	248.4	276.7	304.2	319.1	333.2	342.2	351.1	359.3	352.6	309.4	265.5
42.5°	265.5	294.6	322.8	339.9	356.3	368.9	379.4	390.5	377.9	322.1	265.5
45°	290.8	317.6	344.4	367.5	389.8	405.4	420.3	435.9	410.6	338.4	265.5
47.5°	322.8	348.9	374.1	410.6	447.0	461.2	479.0	493.9	453.0	359.3	265.5
50°	363.7	392.7	421.8	470.1	517.7	531.1	553.4	564.6	509.5	391.3	272.2
52.5°	411.3	443.3	474.6	531.1	587.6	609.9	639.7	647.1	566.8	423.2	278.9
55°	461.2	504.3	546.7	609.2	670.9	692.5	734.9	740.9	640.4	462.7	284.1
57.5°	524.4	575.0	624.8	685.8	746.1	776.6	842.8	845.0	726.0	511.0	295.3
60°	583.9	647.1	709.6	767.6	825.7	873.3	949.9	950.6	806.3	547.5	287.9
62.5°	654.6	729.7	804.1	853.9	903.8	962.5	1054.8	1041.4	862.8	551.9	241.0
65°	737.9	815.2	892.6	935.0	976.6	1043.6	1143.3	1091.9	878.5	526.6	174.1
67.5°	823.4	895.6	967.7	1001.2	1034.7	1119.5	1208.0	1097.9	855.4	488.7	121.2
70°	887.4	955.1	1022.8	1051.8	1080.8	1172.3	1227.3	1059.2	790.7	442.6	94.5
72.5°	946.2	1010.1	1073.3	1088.2	1102.4	1149.2	1129.1	933.5	666.5	372.7	78.1
75°	1016.1	1057.0	1097.1	1070.4	1043.6	980.4	866.6	680.6	488.0	277.4	66.9
77.5°	1048.1	1038.4	1028.0	936.5	845.0	675.4	538.5	393.5	247.7	152.5	57.3
80°	852.4	813.7	774.3	621.1	467.9	319.8	209.8	133.1	90.7	68.4	46.1
82.5°	499.1	409.1	319.1	234.3	149.5	104.9	68.4	54.3	42.4	40.2	37.2
85°	161.4	142.8	124.2	98.2	72.2	44.6	26.0	23.8	22.3	24.5	26.0
87.5°	21.6	21.6	20.8	15.6	9.7	5.2	3.0	2.2	2.2	3.0	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3
2.5°	231.3	230.6	229.8	229.1	228.4	226.9	220.9	215.0	212.7	209.8	207.5
5°	217.9	210.5	205.3	200.1	197.9	194.9	195.6	196.4	197.1	197.1	197.1
7.5°	188.9	190.4	191.2	191.2	193.4	194.9	196.4	197.1	194.1	191.2	187.4
10°	150.3	148.0	151.0	153.2	156.9	159.9	169.6	179.3	188.2	197.1	200.8
12.5°	136.9	144.3	138.4	132.4	144.3	155.5	168.8	182.2	190.4	197.9	191.2
15°	139.1	126.5	127.9	128.7	143.6	157.7	149.5	141.3	164.4	186.7	193.4
17.5°	136.9	134.6	142.8	150.3	136.1	122.0	142.1	161.4	171.8	182.2	179.3
20°	148.0	131.7	131.7	131.7	144.3	156.9	147.3	137.6	148.8	159.9	178.5
22.5°	153.2	159.2	147.3	134.6	142.8	151.0	151.0	150.3	162.9	174.8	171.8
25°	154.7	132.4	142.8	152.5	147.3	141.3	148.0	154.0	157.7	161.4	177.8
27.5°	177.0	161.4	149.5	136.9	146.5	156.2	154.0	151.7	154.7	157.7	161.4
30°	209.8	173.3	159.9	145.8	140.6	134.6	141.3	147.3	158.4	169.6	184.5
32.5°	219.4	187.4	165.9	143.6	142.8	141.3	143.6	145.0	157.7	169.6	190.4
35°	217.9	181.5	160.7	139.1	134.6	130.2	133.9	136.9	155.5	174.1	194.1
37.5°	216.5	172.6	151.0	129.4	126.5	122.7	126.5	130.2	144.3	158.4	177.0
40°	214.2	162.2	141.3	119.8	116.0	112.3	116.0	119.0	130.2	141.3	156.2
42.5°	209.0	151.7	130.9	109.3	106.4	102.6	105.6	108.6	118.3	127.9	136.9
45°	203.1	139.8	119.8	99.7	96.7	93.7	96.0	97.4	106.4	114.5	119.0
47.5°	196.4	127.2	108.6	90.0	87.0	84.1	86.3	87.8	94.5	101.2	102.6
50°	194.9	116.8	99.7	81.8	79.6	76.6	78.1	79.6	84.8	89.3	89.3
52.5°	191.9	104.1	90.0	75.1	73.6	71.4	72.2	72.9	76.6	80.3	79.6
55°	189.7	95.2	82.6	69.9	68.4	66.2	66.9	67.7	71.4	74.4	73.6
57.5°	191.9	87.8	76.6	64.7	63.2	61.7	63.2	64.7	68.4	72.2	72.2
60°	184.5	80.3	69.9	59.5	58.8	57.3	61.0	64.0	69.9	75.1	76.6
62.5°	157.7	73.6	64.7	55.8	56.5	56.5	63.2	69.2	77.4	84.8	86.3
65°	121.2	68.4	61.0	52.8	56.5	60.3	69.2	78.1	85.5	93.0	90.7
67.5°	93.0	64.7	58.8	52.1	60.3	67.7	75.9	84.1	87.8	90.7	87.0
70°	78.1	61.0	56.5	51.3	59.5	67.7	75.9	84.1	85.5	87.0	83.3
72.5°	68.4	58.0	53.6	49.1	55.8	62.5	72.2	81.1	82.6	83.3	79.6
75°	61.0	54.3	49.1	43.9	50.6	56.5	66.2	75.9	77.4	78.1	75.1
77.5°	53.6	49.8	43.9	37.9	44.6	51.3	60.3	69.2	71.4	73.6	69.9
80°	44.6	42.4	37.9	33.5	40.9	47.6	55.8	64.0	66.2	68.4	64.7
82.5°	35.7	34.2	31.2	28.3	35.7	43.1	51.3	58.8	61.0	62.5	58.0
85°	26.0	26.0	24.5	23.1	30.5	37.2	42.4	47.6	46.9	46.1	43.1
87.5°	3.7	3.7	5.2	6.7	8.9	10.4	13.4	15.6	16.4	16.4	12.6
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):

	165°	170°	175°	180°
0°	234.3	234.3	234.3	234.3
2.5°	205.3	205.3	204.6	206.0
5°	197.1	197.9	197.9	198.6
7.5°	183.7	180.0	175.5	176.3
10°	204.6	205.3	206.0	206.0
12.5°	183.7	180.8	177.0	177.8
15°	199.3	201.6	203.8	204.6
17.5°	175.5	174.8	174.1	173.3
20°	196.4	200.1	203.8	203.8
22.5°	168.8	168.8	168.8	169.6
25°	194.1	198.6	202.3	202.3
27.5°	164.4	174.8	185.2	193.4
30°	198.6	200.8	203.1	203.8
32.5°	210.5	221.7	232.1	234.3
35°	213.5	218.7	223.1	225.4
37.5°	195.6	200.1	204.6	207.5
40°	170.3	174.1	177.8	180.0
42.5°	145.0	145.8	146.5	150.3
45°	123.5	119.8	116.0	115.3
47.5°	103.4	98.2	93.0	92.2
50°	88.5	84.1	79.6	79.6
52.5°	78.1	75.1	72.2	72.2
55°	72.9	71.4	69.2	69.2
57.5°	72.2	71.4	70.7	70.7
60°	77.4	78.1	78.1	78.1
62.5°	87.0	87.8	87.8	87.8
65°	87.8	86.3	84.8	84.8
67.5°	83.3	81.1	78.8	77.4
70°	78.8	77.4	75.1	72.9
72.5°	75.1	73.6	71.4	69.2
75°	71.4	69.2	66.2	64.7
77.5°	66.2	64.7	62.5	61.0
80°	60.3	58.8	56.5	53.6
82.5°	53.6	54.3	54.3	46.9
85°	39.4	37.2	34.2	28.3
87.5°	8.2	7.4	6.0	5.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)