

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: P560122

Luminaire Tested: **SDL-PA1-20-830-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560122
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-830-U-T2U-HSS
Description: Springdale
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1582.2 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
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

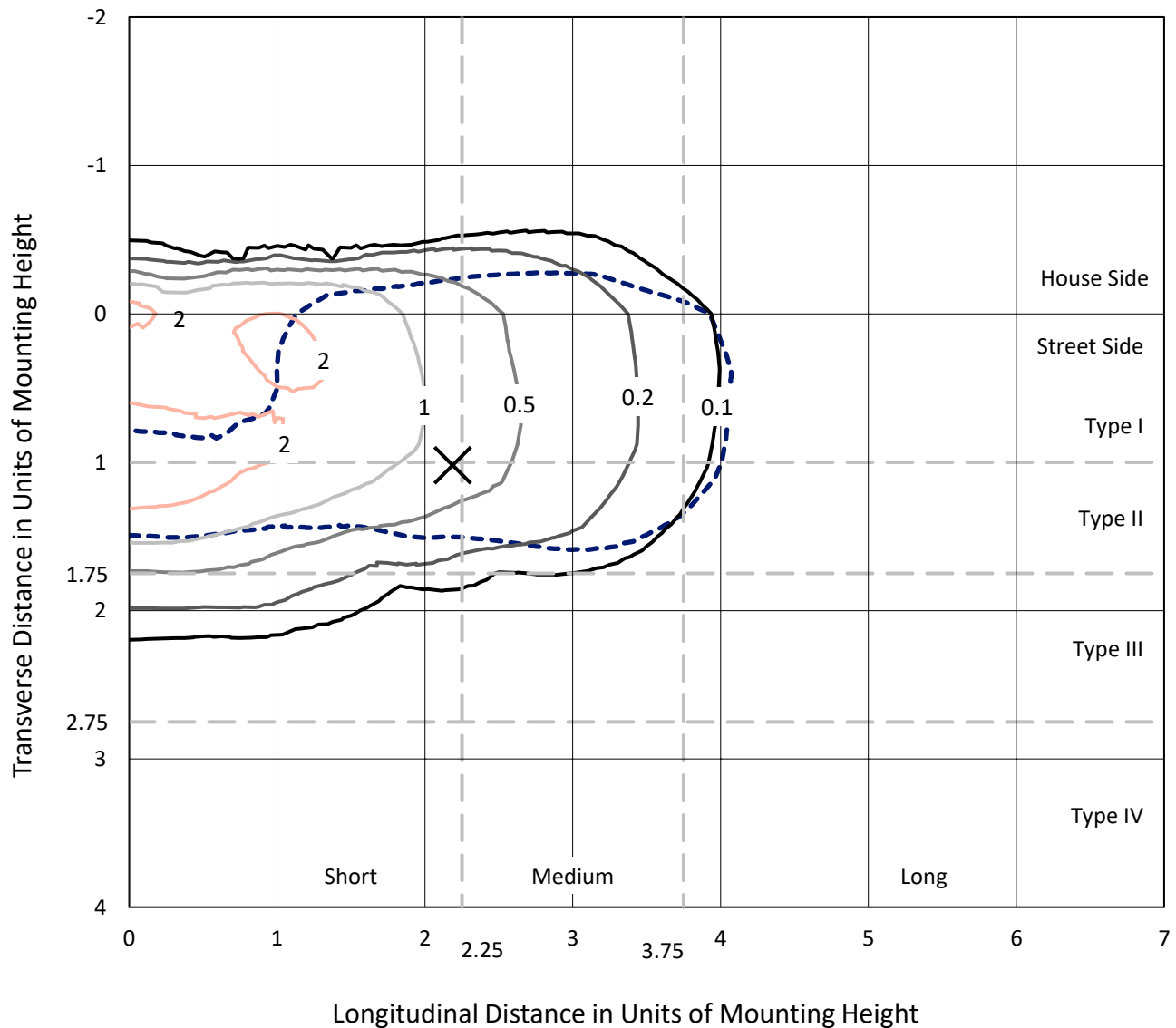


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

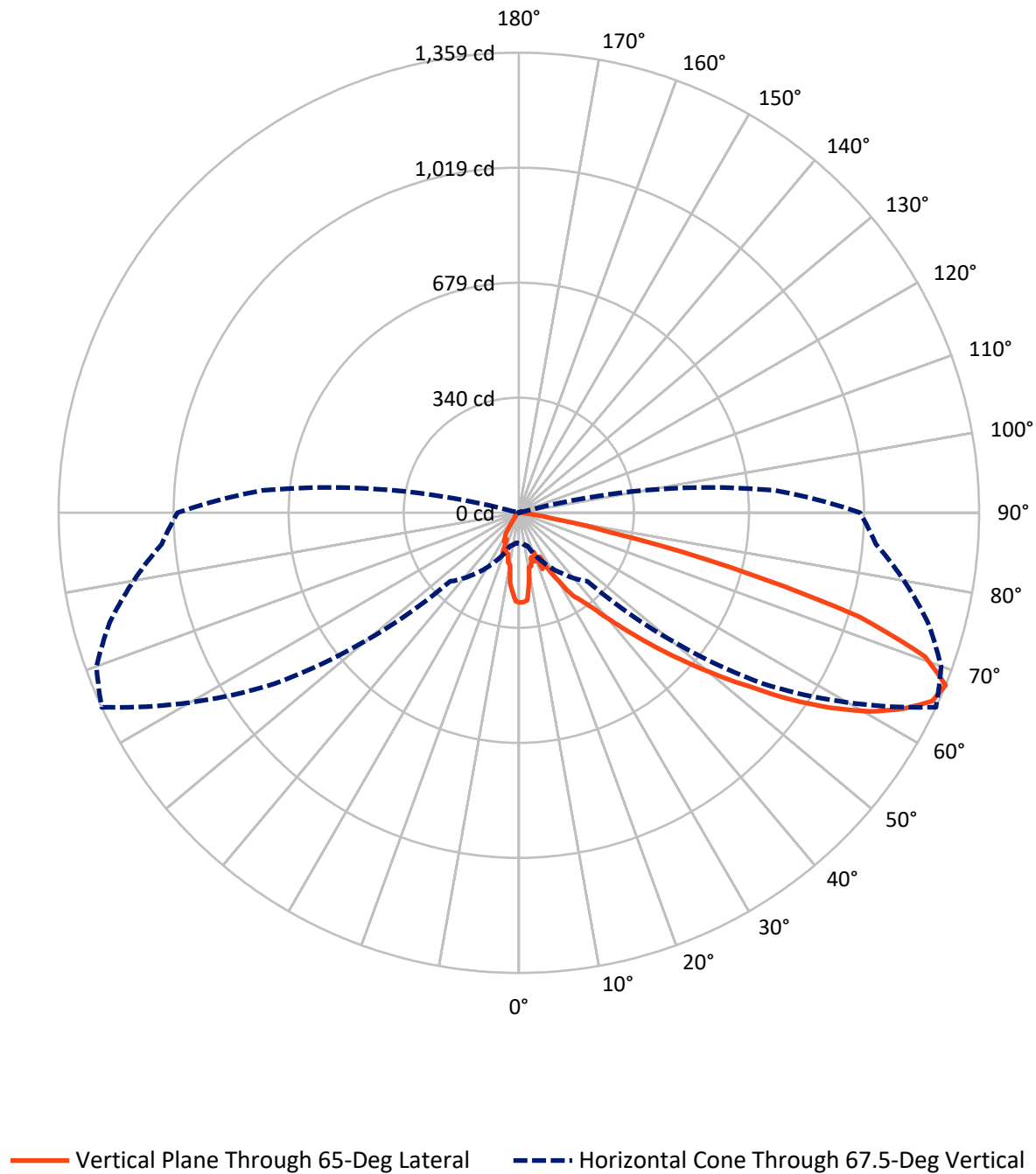


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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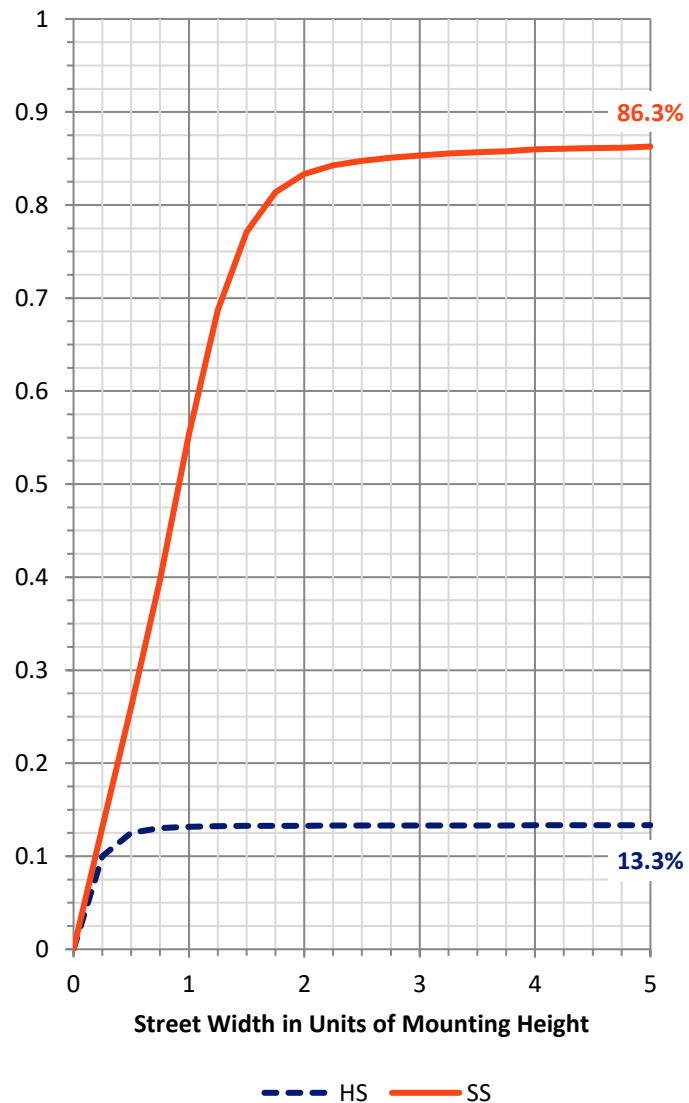
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	214.0	0.0	214.0
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	1368.2	0.0	1368.2
	% Fixture	86.5	0.0	86.5
Total	Lumens	1582.2	0.0	1582.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.3	1.3
10°-20°	39.3	2.5
20°-30°	59.4	3.8
30°-40°	136.8	8.6
40°-50°	300.1	19.0
50°-60°	440.5	27.8
60°-70°	382.6	24.2
70°-80°	189.7	12.0
80°-90°	13.5	0.9
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°	1582.2	100.0
0°-180°	1582.2	100.0

Coefficient of Utilization



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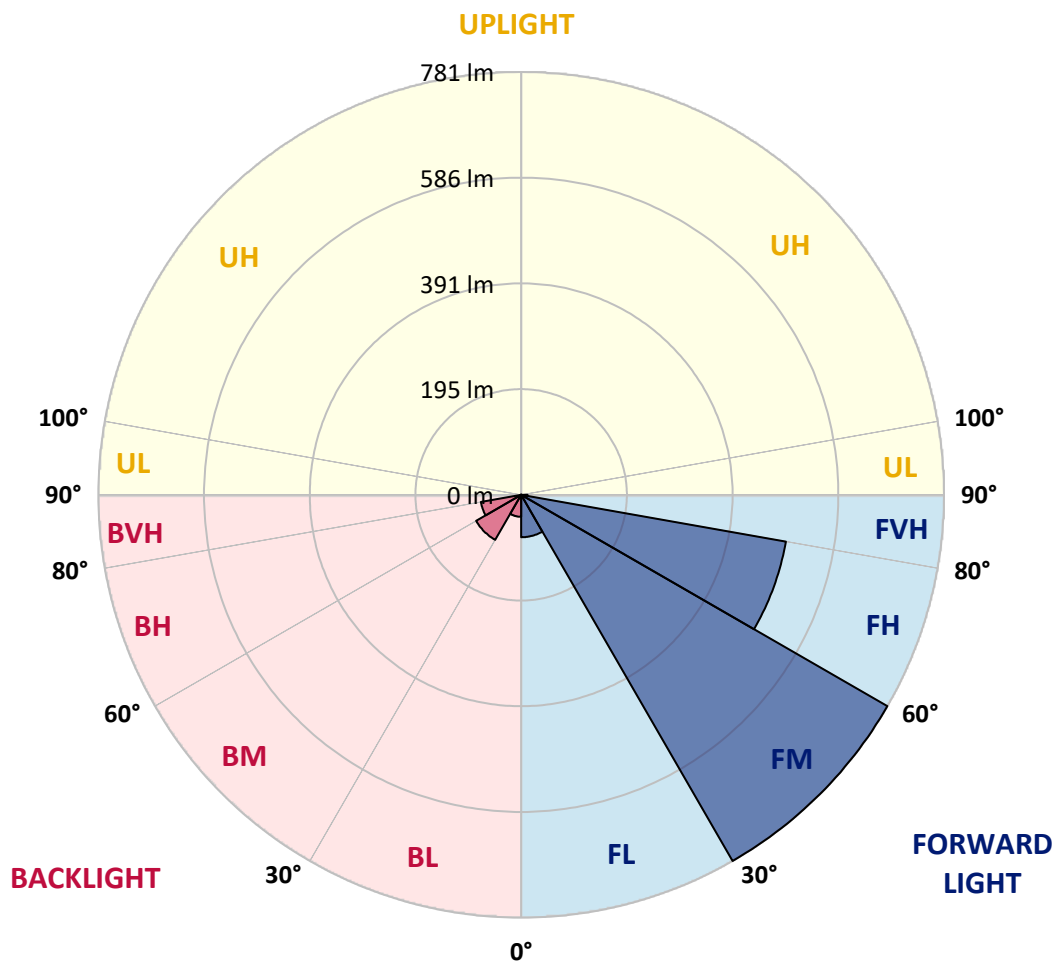
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	78.4	5.0			
FM	(30°-60°)	781.2	49.4			
FH	(60°-80°)	496.7	31.4			G0/660
FVH	(80°-90°)	11.9	0.7			G1/100
BL	(0°-30°)	40.6	2.6	B0/110		
BM	(30°-60°)	96.1	6.1	B0/220		
BH	(60°-80°)	75.6	4.8	B0/110		G0/110
BVH	(80°-90°)	1.6	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9
2.5°	221.8	240.1	245.7	251.3	256.1	260.9	261.7	262.5	264.1	264.9	265.7
5°	217.0	217.8	217.8	217.0	217.8	218.6	218.6	218.6	218.6	218.6	219.4
7.5°	173.9	194.7	201.1	206.6	209.8	212.2	213.8	214.6	215.4	216.2	217.0
10°	209.8	209.0	209.8	209.8	210.6	210.6	192.3	173.9	180.3	185.9	176.3
12.5°	166.7	183.5	190.7	197.9	202.7	206.6	198.7	189.9	173.1	155.6	156.4
15°	201.1	201.1	201.1	201.1	185.9	169.9	159.6	148.4	157.2	165.2	149.2
17.5°	162.0	162.0	176.3	190.7	190.7	189.9	179.5	168.3	146.0	123.7	143.6
20°	200.3	200.3	201.1	201.9	175.5	149.2	158.0	166.0	169.1	172.3	165.2
22.5°	163.6	163.6	166.0	167.5	177.1	186.7	161.2	135.6	156.4	177.1	162.8
25°	211.4	212.2	213.8	214.6	190.7	166.0	177.1	188.3	166.0	143.6	166.0
27.5°	191.5	188.3	188.3	187.5	195.5	202.7	186.7	170.7	185.1	199.5	182.7
30°	268.9	266.5	263.3	260.1	229.8	199.5	200.3	200.3	194.7	189.1	198.7
32.5°	372.6	368.6	341.5	314.3	292.0	269.7	246.5	223.4	231.4	238.6	233.8
35°	500.2	500.2	474.7	449.2	398.9	348.7	309.6	269.7	266.5	263.3	268.1
37.5°	651.8	635.9	605.6	575.2	513.0	450.0	390.1	330.3	323.1	315.1	307.2
40°	764.3	761.9	738.8	715.7	639.1	562.5	492.3	421.3	398.1	374.2	356.6
42.5°	881.6	872.8	854.5	835.3	757.9	679.8	604.8	529.0	497.1	465.1	434.0
45°	966.2	963.8	947.8	931.9	868.8	805.0	726.8	647.8	627.1	606.4	548.1
47.5°	1018.8	1005.3	998.9	991.7	937.5	883.2	817.0	750.0	746.8	742.8	669.4
50°	1002.9	990.9	992.5	994.1	967.8	941.5	891.2	840.1	848.9	857.7	797.0
52.5°	918.3	907.9	922.3	935.9	935.1	934.3	915.9	896.8	928.7	959.8	918.3
55°	749.2	756.4	785.1	813.8	832.9	851.3	877.6	903.2	963.8	1023.6	1015.7
57.5°	587.2	603.2	632.7	661.4	692.5	722.8	778.7	834.5	936.7	1038.0	1073.1
60°	394.1	404.5	456.4	507.4	536.1	564.9	625.5	685.3	824.2	962.2	1053.9
62.5°	244.9	250.5	280.0	309.6	367.8	426.0	456.4	485.9	635.9	785.1	955.0
65°	150.8	149.2	161.2	172.3	229.8	286.4	306.4	325.5	425.2	524.2	788.3
67.5°	90.2	89.4	95.7	102.1	128.5	154.8	185.9	217.0	252.1	286.4	584.0
70°	73.4	75.0	77.4	79.8	87.0	94.1	122.9	151.6	150.8	150.0	351.0
72.5°	61.4	63.0	67.8	71.8	77.4	82.2	98.9	114.9	107.7	100.5	167.5
75°	45.5	46.3	52.7	58.2	67.0	75.0	79.0	82.2	79.0	75.8	84.6
77.5°	30.3	30.3	35.9	41.5	50.3	59.0	63.8	68.6	63.0	57.4	59.8
80°	19.1	19.1	22.3	24.7	33.5	42.3	47.9	53.5	48.7	43.1	42.3
82.5°	11.2	12.0	13.6	15.2	20.7	26.3	30.3	34.3	39.9	44.7	35.9
85°	4.8	5.6	7.2	8.0	11.2	13.6	16.0	18.4	23.1	27.9	23.1
87.5°	0.8	0.8	1.6	2.4	3.2	4.0	4.0	4.0	4.0	3.2	4.0
90°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9
2.5°	265.7	264.9	264.1	264.1	264.1	263.3	262.5	262.5	262.5	261.7	260.9
5°	219.4	239.4	259.3	260.1	261.7	260.9	260.1	259.3	258.5	257.7	256.1
7.5°	217.0	215.4	213.8	208.2	227.4	227.4	226.6	226.6	225.0	218.6	212.2
10°	166.0	165.2	163.6	166.0	169.9	183.5	196.3	195.5	193.1	177.9	162.8
12.5°	157.2	159.6	162.0	154.0	138.8	151.6	164.4	162.8	161.2	147.6	133.2
15°	133.2	134.8	136.4	149.2	172.3	184.3	195.5	193.9	192.3	176.3	159.6
17.5°	163.6	157.2	150.8	159.6	151.6	157.2	162.8	156.4	151.6	145.2	138.8
20°	157.2	140.4	123.7	149.2	178.7	188.3	197.9	195.5	190.7	175.5	159.6
22.5°	147.6	164.4	180.3	172.3	158.0	149.2	140.4	136.4	133.2	134.0	134.8
25°	187.5	166.0	143.6	181.9	205.0	208.2	210.6	203.4	195.5	178.7	161.2
27.5°	165.2	181.1	196.3	211.4	219.4	221.8	223.4	233.8	217.0	194.7	172.3
30°	208.2	221.8	235.4	268.9	296.0	300.8	305.6	293.6	280.0	252.9	225.8
32.5°	229.0	260.1	290.4	306.4	317.5	321.5	325.5	309.6	294.4	259.3	223.4
35°	272.1	295.2	318.3	336.7	358.2	359.0	359.8	342.3	323.1	272.1	221.0
37.5°	298.4	328.7	358.2	379.0	412.5	410.1	407.7	387.0	363.8	292.0	220.2
40°	338.3	377.4	415.7	435.6	476.3	469.1	461.9	438.0	412.5	313.6	214.6
42.5°	402.9	444.4	485.9	502.6	547.3	539.3	530.6	498.7	465.9	331.1	196.3
45°	489.1	526.6	564.1	593.6	628.7	615.9	603.2	568.9	521.0	346.3	171.5
47.5°	595.2	623.1	651.0	709.3	734.8	709.3	683.0	641.5	580.8	359.0	137.2
50°	736.4	742.8	748.4	821.0	846.5	807.4	768.3	714.9	642.3	373.4	103.7
52.5°	876.0	864.1	851.3	929.5	939.1	887.2	834.5	778.7	687.7	381.4	74.2
55°	1007.7	990.9	973.4	1029.2	1022.8	954.2	885.6	817.8	715.7	383.8	51.9
57.5°	1108.2	1097.8	1086.7	1112.2	1088.3	1007.7	927.1	859.3	736.4	387.8	38.3
60°	1144.9	1168.0	1191.2	1188.0	1144.1	1058.7	973.4	901.6	749.2	389.3	28.7
62.5°	1125.0	1200.0	1274.2	1243.8	1190.4	1100.2	1009.3	939.9	754.8	388.5	22.3
65°	1052.4	1196.8	1340.4	1290.1	1223.1	1132.9	1042.8	980.5	761.1	389.3	17.6
67.5°	880.8	1120.2	1358.7	1326.8	1250.2	1154.5	1057.9	1007.7	757.9	386.2	14.4
70°	551.3	911.9	1272.6	1297.3	1250.2	1144.9	1039.6	999.7	729.2	370.2	11.2
72.5°	233.8	643.9	1053.9	1161.7	1194.4	1092.2	990.1	940.7	667.8	338.3	8.8
75°	92.5	370.2	647.8	818.6	919.1	876.0	832.1	765.9	438.0	222.6	6.4
77.5°	62.2	169.1	276.1	402.1	479.5	496.3	513.0	437.2	174.7	90.2	4.8
80°	41.5	67.8	94.1	144.4	172.3	162.8	152.4	125.3	53.5	28.7	4.0
82.5°	26.3	35.1	43.9	49.5	51.1	36.7	22.3	18.4	6.4	4.8	2.4
85°	17.6	20.7	23.9	24.7	24.7	17.6	9.6	4.8	2.4	2.4	1.6
87.5°	4.8	5.6	5.6	5.6	4.0	3.2	2.4	1.6	1.6	1.6	1.6
90°	2.4	3.2	3.2	3.2	2.4	2.4	1.6	1.6	1.6	1.6	1.6

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9
2.5°	260.9	260.9	260.1	259.3	259.3	258.5	250.5	241.7	233.8	225.0	224.2
5°	245.7	234.6	224.2	213.8	212.2	209.8	209.8	209.0	209.0	208.2	208.2
7.5°	210.6	209.0	207.4	205.8	205.0	203.4	202.7	201.1	200.3	198.7	189.9
10°	159.6	155.6	155.6	154.8	156.4	158.0	157.2	155.6	166.0	176.3	175.5
12.5°	142.0	150.0	142.8	134.8	137.2	138.8	141.2	143.6	142.8	141.2	129.3
15°	142.8	125.3	119.7	113.3	116.5	118.9	98.1	76.6	72.6	68.6	63.8
17.5°	133.2	127.7	123.7	118.9	91.0	62.2	55.8	49.5	43.9	37.5	36.7
20°	134.8	109.3	102.1	94.1	72.6	51.1	39.1	27.1	23.9	20.7	23.9
22.5°	131.6	127.7	93.3	59.0	43.9	28.7	23.9	18.4	19.9	21.5	21.5
25°	123.7	86.2	67.0	47.9	33.5	18.4	19.1	19.1	17.6	15.2	16.8
27.5°	134.0	94.9	60.6	25.5	22.3	18.4	16.8	14.4	14.4	14.4	13.6
30°	154.8	83.0	51.9	20.7	17.6	14.4	13.6	12.8	12.0	10.4	11.2
32.5°	146.8	70.2	43.9	17.6	15.2	12.8	11.2	9.6	9.6	9.6	9.6
35°	133.2	44.7	30.3	15.2	12.8	10.4	9.6	8.0	8.0	8.0	8.0
37.5°	124.5	28.7	20.7	12.0	10.4	8.8	8.0	6.4	6.4	6.4	7.2
40°	117.3	19.9	15.2	10.4	8.8	6.4	5.6	4.8	5.6	5.6	5.6
42.5°	106.9	16.8	12.8	8.8	7.2	5.6	4.8	4.0	4.8	4.8	4.8
45°	93.3	15.2	11.2	7.2	6.4	4.8	4.0	3.2	4.0	4.0	4.0
47.5°	75.0	12.8	9.6	6.4	5.6	4.0	4.0	3.2	3.2	3.2	3.2
50°	58.2	12.0	8.8	5.6	4.8	3.2	3.2	2.4	3.2	3.2	3.2
52.5°	42.3	10.4	8.0	4.8	4.0	2.4	2.4	2.4	2.4	2.4	2.4
55°	30.3	8.8	6.4	4.0	3.2	2.4	2.4	1.6	2.4	2.4	2.4
57.5°	23.1	8.0	5.6	3.2	2.4	1.6	1.6	1.6	1.6	1.6	1.6
60°	18.4	7.2	5.6	3.2	2.4	1.6	1.6	0.8	1.6	1.6	1.6
62.5°	14.4	5.6	4.8	3.2	2.4	1.6	1.6	0.8	1.6	1.6	1.6
65°	11.2	4.8	4.0	2.4	1.6	0.8	0.8	0.8	1.6	1.6	1.6
67.5°	9.6	4.0	3.2	2.4	1.6	0.8	1.6	1.6	1.6	1.6	1.6
70°	8.0	4.0	3.2	2.4	1.6	0.8	1.6	1.6	2.4	2.4	1.6
72.5°	6.4	3.2	2.4	1.6	1.6	0.8	1.6	1.6	2.4	2.4	1.6
75°	4.8	2.4	2.4	1.6	1.6	0.8	1.6	2.4	2.4	2.4	1.6
77.5°	4.0	2.4	2.4	1.6	1.6	0.8	1.6	2.4	2.4	2.4	2.4
80°	3.2	1.6	1.6	1.6	0.8	0.0	1.6	3.2	3.2	2.4	2.4
82.5°	2.4	1.6	1.6	1.6	0.8	0.0	1.6	3.2	3.2	2.4	2.4
85°	1.6	1.6	1.6	1.6	1.6	0.8	2.4	3.2	3.2	2.4	2.4
87.5°	1.6	1.6	1.6	1.6	1.6	0.8	1.6	2.4	2.4	2.4	2.4
90°	1.6	1.6	2.4	2.4	1.6	0.8	1.6	2.4	2.4	2.4	2.4

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	264.9	264.9	264.9	264.9
2.5°	222.6	224.2	225.0	223.4
5°	207.4	207.4	206.6	209.0
7.5°	180.3	175.5	169.9	166.0
10°	173.9	169.9	166.0	166.7
12.5°	116.5	104.5	92.5	96.5
15°	59.0	55.8	52.7	52.7
17.5°	35.1	31.9	27.9	28.7
20°	26.3	26.3	26.3	26.3
22.5°	20.7	19.9	18.4	17.6
25°	17.6	17.6	17.6	17.6
27.5°	12.8	12.8	12.0	11.2
30°	11.2	11.2	11.2	10.4
32.5°	8.8	9.6	9.6	9.6
35°	8.0	8.0	8.0	8.0
37.5°	7.2	7.2	6.4	6.4
40°	5.6	5.6	5.6	5.6
42.5°	4.8	4.8	4.8	4.8
45°	4.0	4.0	4.0	4.0
47.5°	3.2	3.2	3.2	3.2
50°	3.2	3.2	2.4	2.4
52.5°	2.4	2.4	1.6	1.6
55°	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	0.8	0.8
60°	1.6	1.6	0.8	0.8
62.5°	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.0	0.0
67.5°	0.8	0.8	0.0	0.0
70°	0.8	0.8	0.0	0.0
72.5°	0.8	0.8	0.0	0.0
75°	0.8	0.8	0.0	0.0
77.5°	1.6	0.8	0.0	0.0
80°	1.6	1.6	0.8	0.0
82.5°	1.6	1.6	0.8	0.0
85°	1.6	1.6	0.8	0.0
87.5°	1.6	1.6	0.8	0.0
90°	1.6	1.6	0.8	0.0

(END OF REPORT)