

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: P560108

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560108
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-PA1-20-827-U-T4W-HSS
Description: Springdale
(1) 80 CRI, 2700K, 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: 1467.3 lumens
Efficiency: N/A
Efficacy: 69.9 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

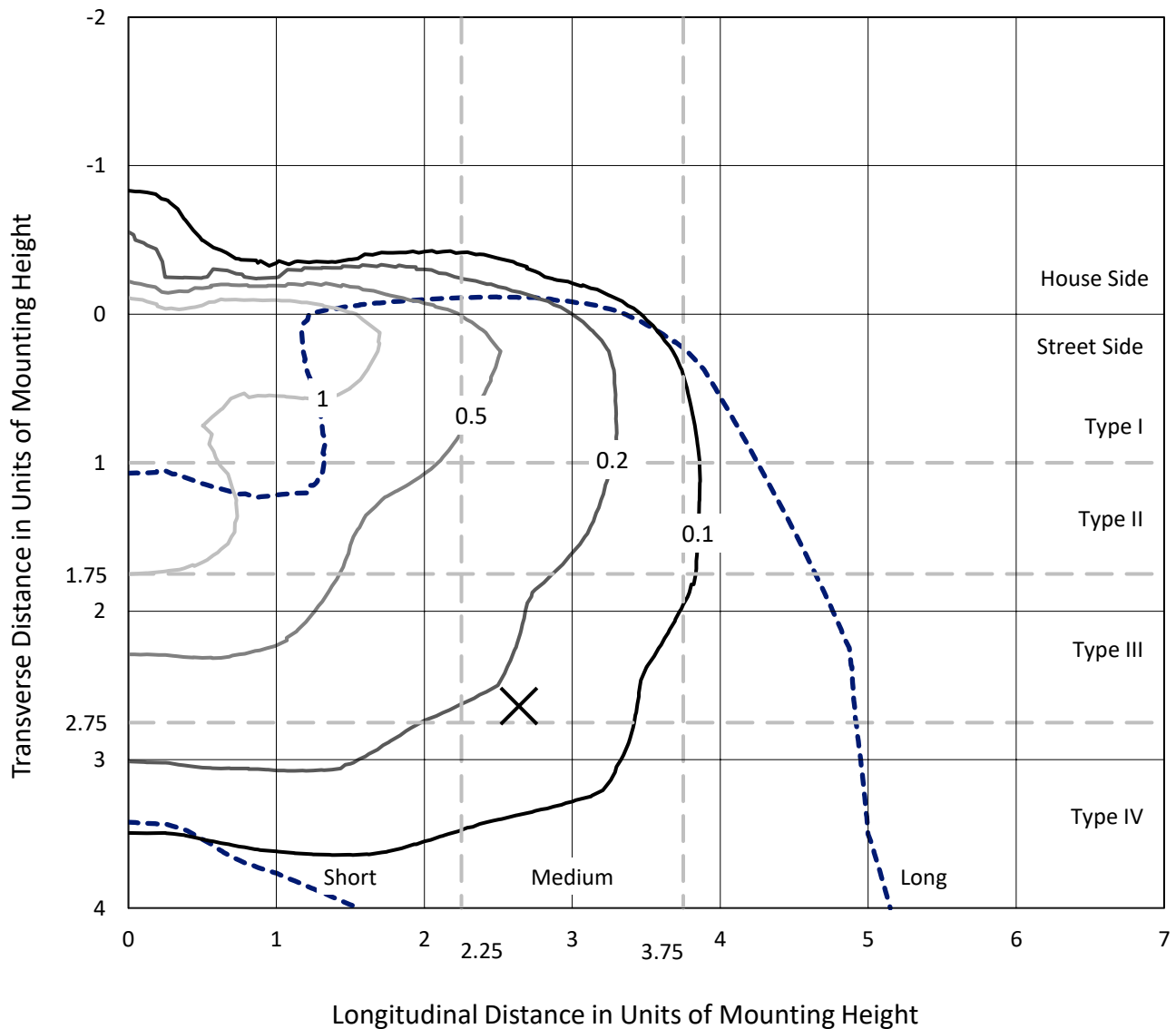


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Iso-Footcandle Lines of Horizontal Illumination

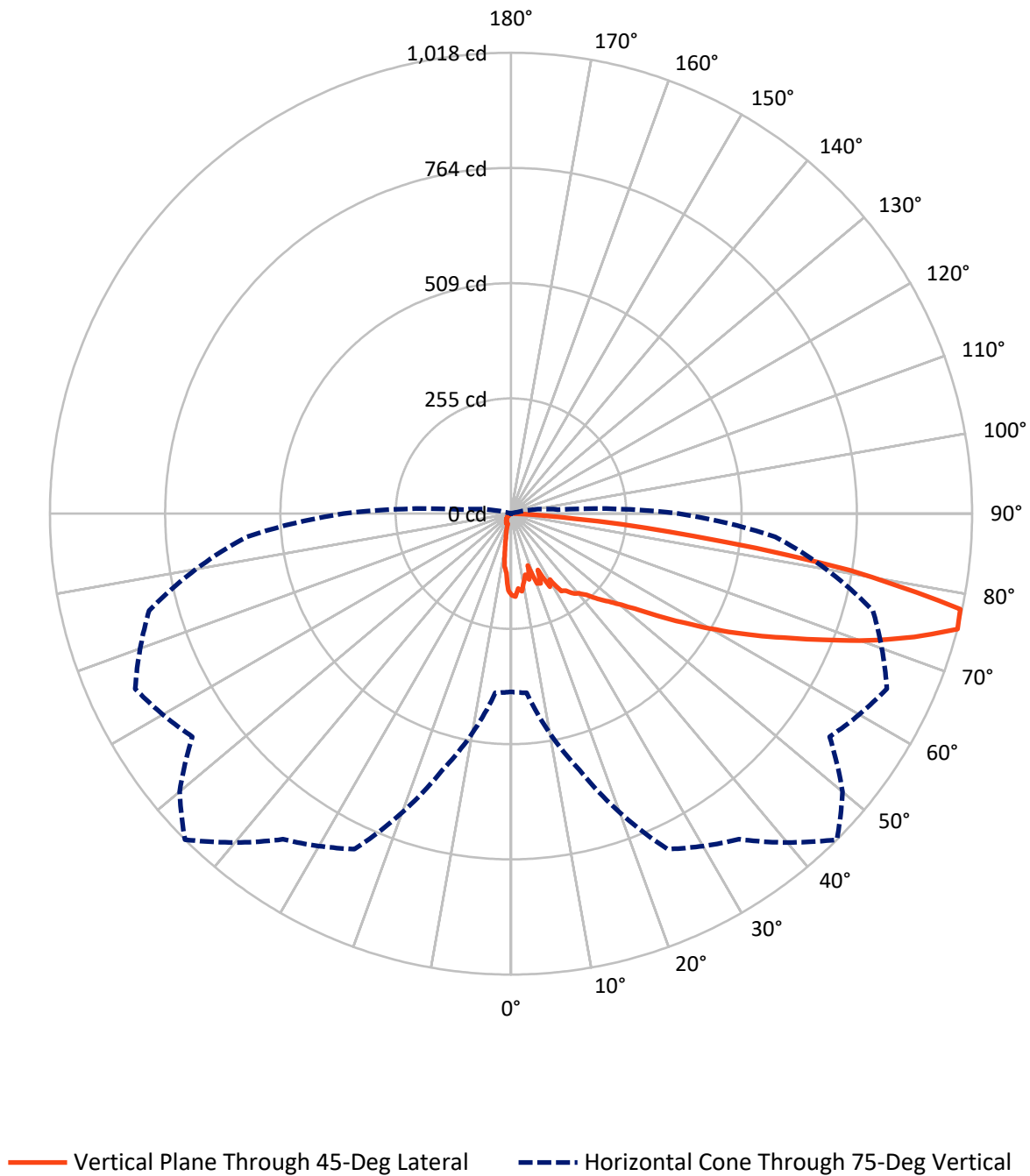
× Max cd
- - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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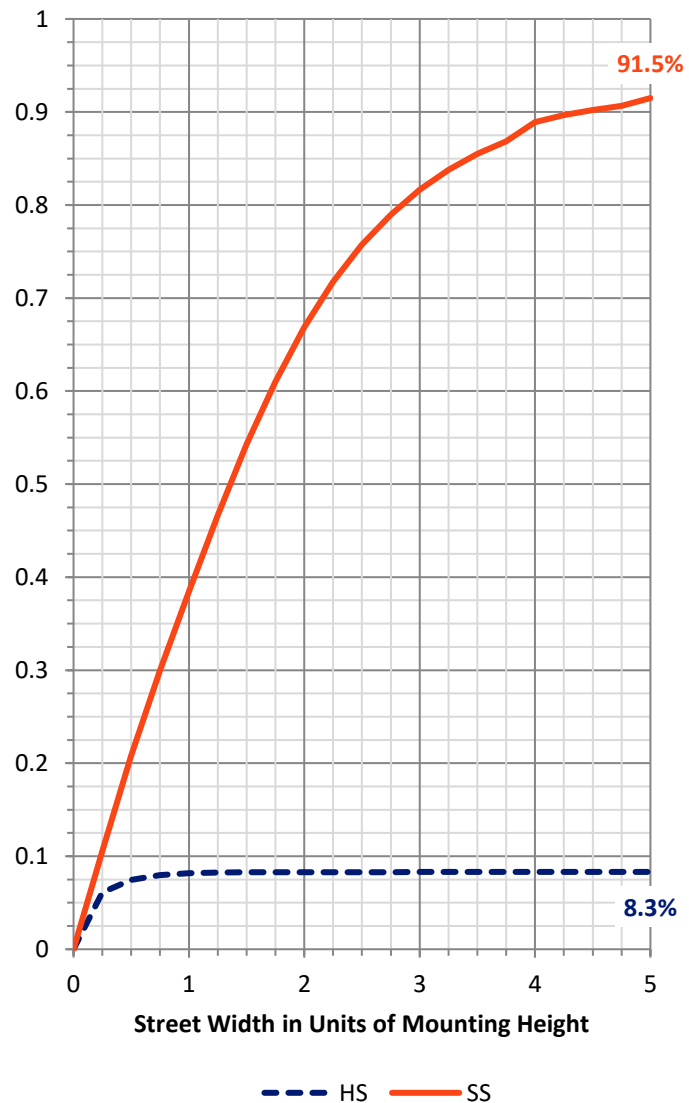
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	123.2	0.0	123.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	1344.1	0.0	1344.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	1467.3	0.0	1467.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	1.0
10°-20°	30.7	2.1
20°-30°	51.9	3.5
30°-40°	95.6	6.5
40°-50°	157.0	10.7
50°-60°	279.3	19.0
60°-70°	418.0	28.5
70°-80°	372.1	25.4
80°-90°	48.6	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°	1467.3	100.0
0°-180°	1467.3	100.0

Coefficient of Utilization



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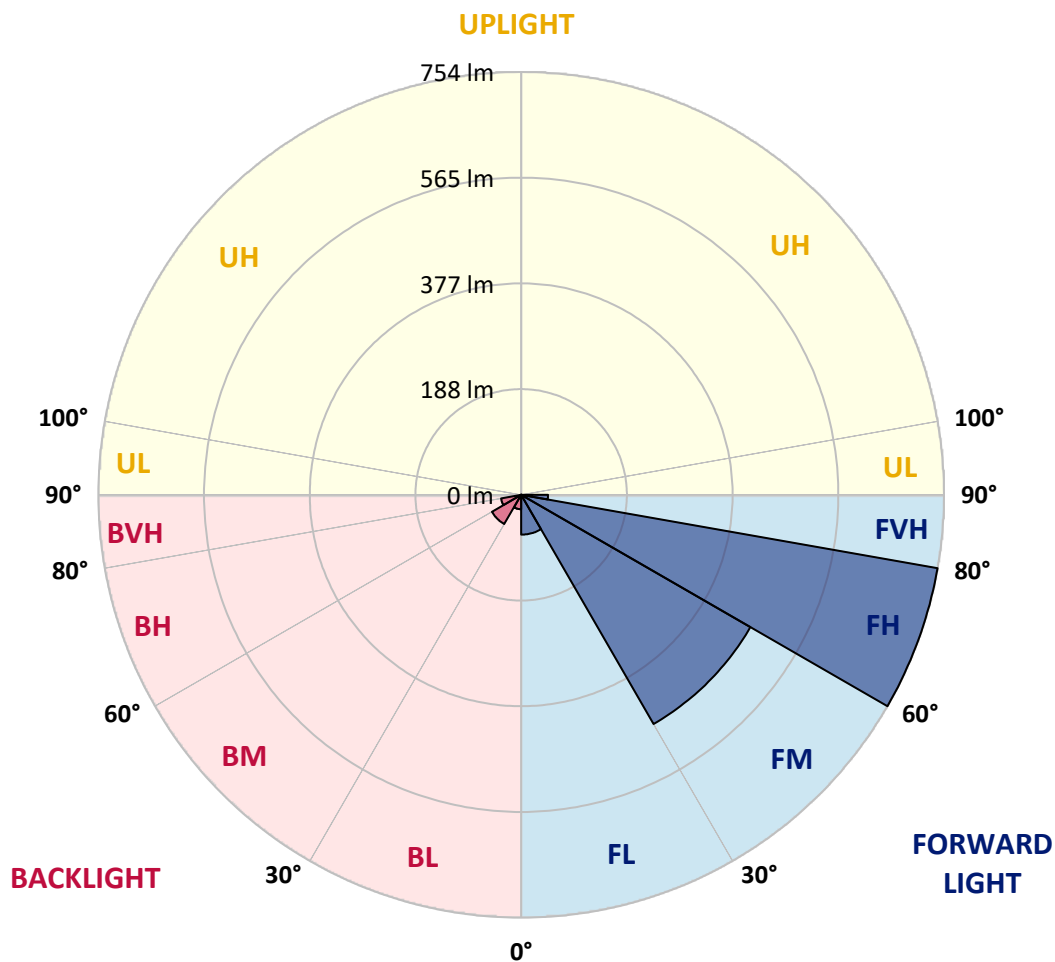
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	70.9	4.8			
FM	(30°-60°)	471.7	32.1			
FH	(60°-80°)	753.6	51.4			G1/1800
FVH	(80°-90°)	47.9	3.3			G1/100
BL	(0°-30°)	25.7	1.8	B0/110		
BM	(30°-60°)	60.3	4.1	B0/220		
BH	(60°-80°)	36.5	2.5	B0/110		G0/110
BVH	(80°-90°)	0.7	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°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	167.4	179.9	181.4	182.1	183.6	184.3	184.3	184.3	184.3	183.6	183.6
5°	177.0	176.2	175.5	174.7	174.0	172.5	171.1	168.9	167.4	165.9	164.4
7.5°	173.3	174.0	176.2	177.7	177.0	176.2	177.7	178.4	176.2	173.3	170.3
10°	202.0	200.6	199.1	197.6	195.4	193.2	175.5	157.8	156.3	154.1	152.6
12.5°	177.0	199.1	199.1	199.1	199.1	199.1	187.3	175.5	157.1	138.6	117.2
15°	221.2	220.5	217.5	214.6	194.7	174.0	163.0	151.9	151.9	151.2	142.3
17.5°	183.6	183.6	198.3	212.4	204.2	196.1	180.6	165.2	143.0	120.2	129.0
20°	232.3	232.3	229.3	226.4	192.4	158.5	160.0	161.5	163.0	164.4	136.4
22.5°	191.0	189.5	188.0	186.5	190.2	193.9	163.7	132.7	150.4	167.4	130.5
25°	233.0	235.2	233.7	231.5	201.3	171.1	177.7	183.6	160.7	137.9	160.0
27.5°	199.8	197.6	194.7	191.0	193.2	195.4	181.4	166.6	174.7	182.9	146.7
30°	244.8	245.5	244.1	242.6	213.8	185.1	184.3	182.9	176.2	168.9	165.2
32.5°	303.0	297.1	276.5	255.9	238.2	220.5	206.5	192.4	198.3	203.5	183.6
35°	331.1	320.0	311.2	301.6	272.1	241.8	224.9	207.2	207.9	208.7	200.6
37.5°	358.3	342.1	331.1	320.0	284.6	249.2	230.8	212.4	218.3	223.4	214.6
40°	367.9	359.1	352.4	345.8	308.2	269.9	248.5	226.4	229.3	231.5	228.6
42.5°	392.3	390.8	387.1	382.7	337.7	292.0	266.2	240.4	243.3	245.5	244.1
45°	450.5	448.3	448.3	447.6	389.3	330.3	296.4	262.5	265.4	268.4	266.9
47.5°	525.7	522.0	517.6	512.5	450.5	387.8	339.2	289.8	289.8	289.8	292.0
50°	604.6	599.5	589.9	579.5	516.9	454.2	392.3	330.3	323.7	316.3	324.4
52.5°	686.5	677.6	661.4	644.4	589.1	533.8	463.8	393.0	373.1	352.4	362.8
55°	730.7	721.1	710.1	698.3	653.3	607.6	536.0	464.5	433.6	401.8	412.9
57.5°	766.8	764.6	759.5	754.3	719.6	685.0	613.5	541.2	499.2	457.2	466.7
60°	816.2	813.3	815.5	817.7	791.2	764.6	696.8	628.2	574.4	519.8	516.9
62.5°	853.1	852.4	863.4	874.5	860.5	845.7	769.8	693.1	640.7	587.7	572.9
65°	819.2	828.8	870.1	911.4	909.1	906.2	835.4	763.9	712.3	659.9	640.7
67.5°	747.7	752.1	813.3	873.7	900.3	926.1	876.0	825.1	784.5	743.2	707.8
70°	680.6	690.1	744.0	797.8	866.4	934.9	895.1	855.3	847.2	838.4	792.6
72.5°	615.7	632.6	682.8	732.9	824.3	915.0	891.4	867.8	899.6	931.3	876.7
75°	393.7	397.4	492.5	586.9	702.7	817.7	847.9	878.2	948.2	1018.3	955.6
77.5°	115.0	127.6	199.1	270.6	403.3	535.3	638.5	741.8	878.2	1014.6	937.9
80°	39.1	42.0	52.4	61.9	132.7	203.5	323.0	441.7	600.2	758.7	704.9
82.5°	19.2	19.9	25.1	29.5	45.0	60.5	121.7	182.1	294.2	405.5	415.1
85°	5.9	5.9	8.8	11.8	19.2	26.5	45.7	64.1	101.8	138.6	117.2
87.5°	1.5	1.5	2.2	2.9	4.4	5.9	5.9	5.9	4.4	2.9	3.7
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°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	184.3	184.3	184.3	183.6	182.1	181.4	179.9	178.4	177.0	176.2	174.7
5°	162.2	171.8	180.6	181.4	181.4	179.2	177.0	174.7	172.5	170.3	168.1
7.5°	166.6	161.5	156.3	157.1	157.8	157.1	155.6	151.9	148.9	143.0	136.4
10°	133.5	129.8	125.3	126.8	128.3	132.0	135.7	132.7	128.3	117.2	105.4
12.5°	131.2	130.5	129.0	118.0	106.2	112.1	117.2	114.3	109.9	98.8	87.0
15°	112.1	112.8	112.8	123.9	134.9	139.4	143.0	139.4	134.2	119.4	104.0
17.5°	144.5	137.1	129.8	125.3	120.2	121.7	123.1	106.9	112.1	102.5	92.2
20°	149.7	125.3	101.0	120.9	140.8	147.5	154.1	150.4	143.8	120.2	95.9
22.5°	136.4	145.3	154.1	141.6	129.0	120.9	112.1	108.4	104.0	93.6	83.3
25°	168.9	144.5	119.4	143.0	165.9	167.4	168.9	162.2	154.8	125.3	95.9
27.5°	151.2	159.3	166.6	171.8	177.0	183.6	190.2	182.9	165.2	130.5	95.1
30°	179.9	191.0	202.0	219.0	235.9	241.1	245.5	237.4	223.4	165.2	106.2
32.5°	188.0	210.1	232.3	238.9	244.8	251.4	258.1	251.4	234.5	163.7	92.2
35°	210.1	225.6	240.4	250.7	261.0	266.9	272.8	268.4	245.5	161.5	77.4
37.5°	216.8	237.4	257.3	269.1	280.2	285.4	289.8	289.8	257.3	160.0	61.9
40°	227.1	252.9	278.7	289.8	300.1	308.2	315.6	318.5	270.6	159.3	47.2
42.5°	247.7	270.6	293.5	311.2	328.1	339.9	351.7	353.9	286.1	161.5	36.1
45°	269.9	294.2	318.5	342.1	365.7	382.7	398.9	397.4	304.5	167.4	29.5
47.5°	301.6	324.4	347.3	387.1	426.2	442.4	457.9	447.6	323.7	174.7	25.8
50°	334.0	362.0	390.1	440.9	491.1	505.8	519.8	498.4	342.1	183.6	24.3
52.5°	376.0	409.2	442.4	500.7	558.9	572.2	585.4	541.9	356.1	189.5	22.9
55°	425.4	468.2	511.0	566.3	620.8	636.3	651.8	584.7	362.8	192.4	22.1
57.5°	485.2	534.6	583.2	634.1	684.3	705.6	726.3	626.7	365.7	193.2	20.6
60°	543.4	598.0	652.5	696.0	739.6	772.7	805.2	668.0	364.2	191.7	18.4
62.5°	597.2	657.7	717.4	758.0	798.5	838.4	878.2	701.2	354.7	185.1	14.7
65°	653.3	717.4	780.8	816.2	851.6	903.2	954.1	730.0	341.4	176.2	10.3
67.5°	704.2	765.4	826.6	866.4	906.2	957.1	1007.2	737.3	322.2	165.2	7.4
70°	746.9	813.3	878.9	919.5	960.0	985.8	1010.9	704.9	283.9	144.5	5.2
72.5°	805.9	865.6	924.6	945.3	965.2	920.2	874.5	587.7	213.1	109.1	4.4
75°	859.0	887.8	915.8	871.5	827.3	706.4	585.4	370.1	104.0	54.6	4.4
77.5°	805.2	789.7	774.2	638.5	502.1	373.1	243.3	145.3	32.4	17.7	2.9
80°	583.2	512.5	440.9	305.3	168.9	112.8	56.0	32.4	8.1	5.2	2.2
82.5°	314.1	242.6	170.3	109.9	49.4	33.2	16.2	11.1	3.7	2.9	1.5
85°	113.6	90.0	65.6	50.9	36.1	21.4	5.9	3.7	2.2	2.2	1.5
87.5°	10.3	11.8	13.3	10.3	6.6	4.4	1.5	1.5	1.5	1.5	0.7
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°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	174.0	173.3	172.5	171.1	170.3	169.6	164.4	159.3	153.4	147.5	147.5
5°	158.5	148.9	143.8	138.6	134.9	131.2	130.5	129.0	127.6	126.1	125.3
7.5°	132.7	129.0	126.1	123.1	119.4	115.8	112.1	108.4	105.4	102.5	95.9
10°	99.5	93.6	89.2	84.8	82.6	79.6	75.2	70.0	70.0	70.0	69.3
12.5°	86.3	85.5	74.5	62.7	59.0	55.3	54.6	53.8	52.4	50.1	47.2
15°	85.5	66.4	56.8	46.5	44.2	41.3	36.9	31.7	31.0	29.5	33.2
17.5°	77.4	62.7	51.6	40.6	32.4	24.3	25.8	26.5	30.2	33.2	35.4
20°	70.0	44.2	36.9	28.8	26.5	23.6	25.1	26.5	25.8	24.3	28.0
22.5°	65.6	47.2	34.7	22.1	23.6	25.1	23.6	21.4	25.1	28.8	31.0
25°	63.4	30.2	27.3	23.6	22.1	20.6	23.6	25.8	24.3	22.9	27.3
27.5°	62.7	30.2	25.8	20.6	22.1	23.6	22.9	21.4	24.3	26.5	25.8
30°	67.1	27.3	24.3	21.4	20.6	19.9	21.4	22.9	22.9	22.1	25.8
32.5°	59.7	27.3	24.3	20.6	20.6	19.9	19.9	19.9	22.1	24.3	25.8
35°	51.6	25.1	22.9	19.9	19.2	18.4	19.2	19.2	21.4	22.9	25.8
37.5°	42.8	23.6	21.4	18.4	17.7	17.0	17.0	16.2	18.4	20.6	22.9
40°	34.7	22.1	19.9	17.0	16.2	15.5	15.5	15.5	17.0	17.7	19.2
42.5°	28.8	20.6	18.4	15.5	14.7	14.0	14.0	13.3	14.0	14.7	15.5
45°	25.1	19.9	17.7	14.7	14.0	12.5	11.8	11.1	11.1	11.1	11.1
47.5°	22.1	18.4	17.0	14.7	13.3	11.1	10.3	8.8	8.1	7.4	6.6
50°	20.6	17.0	15.5	13.3	11.8	9.6	8.1	6.6	5.9	4.4	4.4
52.5°	19.2	15.5	14.0	11.8	9.6	7.4	5.9	3.7	3.7	2.9	2.9
55°	18.4	14.7	12.5	10.3	8.1	5.2	3.7	2.2	2.2	1.5	1.5
57.5°	17.7	14.0	11.8	8.8	5.9	2.9	2.2	1.5	1.5	1.5	1.5
60°	15.5	12.5	9.6	5.9	3.7	1.5	1.5	0.7	1.5	1.5	1.5
62.5°	12.5	9.6	6.6	3.7	2.2	0.7	0.7	0.7	1.5	1.5	1.5
65°	8.8	6.6	4.4	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
67.5°	6.6	5.2	3.7	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7
70°	4.4	3.7	2.9	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7
72.5°	3.7	2.9	2.2	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7
75°	3.7	2.9	2.2	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7
77.5°	2.9	2.2	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	0.7	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	0.7	0.7	0.0	1.5	2.2	2.2	1.5	1.5
85°	1.5	0.7	0.7	0.7	0.7	0.7	1.5	2.2	2.2	2.2	1.5
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	1.5	2.2	2.2	2.2	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):

	165°	170°	175°	180°
0°	179.9	179.9	179.9	179.9
2.5°	146.7	146.7	146.0	146.0
5°	123.9	123.9	123.1	123.1
7.5°	89.2	87.7	85.5	86.3
10°	68.6	67.1	65.6	67.1
12.5°	44.2	45.0	45.0	42.8
15°	36.1	39.1	41.3	41.3
17.5°	37.6	37.6	36.9	36.9
20°	31.7	34.7	37.6	37.6
22.5°	32.4	31.0	29.5	29.5
25°	31.0	33.2	34.7	34.7
27.5°	25.1	25.8	26.5	26.5
30°	28.8	30.2	31.0	31.0
32.5°	27.3	28.8	29.5	30.2
35°	28.0	29.5	30.2	30.2
37.5°	25.1	25.8	26.5	26.5
40°	19.9	20.6	21.4	21.4
42.5°	15.5	15.5	14.7	15.5
45°	10.3	10.3	9.6	10.3
47.5°	5.9	5.9	5.9	5.9
50°	3.7	3.7	3.7	3.7
52.5°	2.2	2.2	2.2	2.2
55°	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	0.7	0.7
60°	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	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°	0.7	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	0.0	0.0
85°	0.7	0.7	0.7	0.0
87.5°	0.7	0.7	0.7	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)