

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: P560130

Luminaire Tested: **SDL-PA1-20-830-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560130
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-PA1-20-830-U-T4W-HSS
Description: Springdale
(1) 80 CRI, 3000K, 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: 1586.1 lumens
Efficiency: N/A
Efficacy: 75.5 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 (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

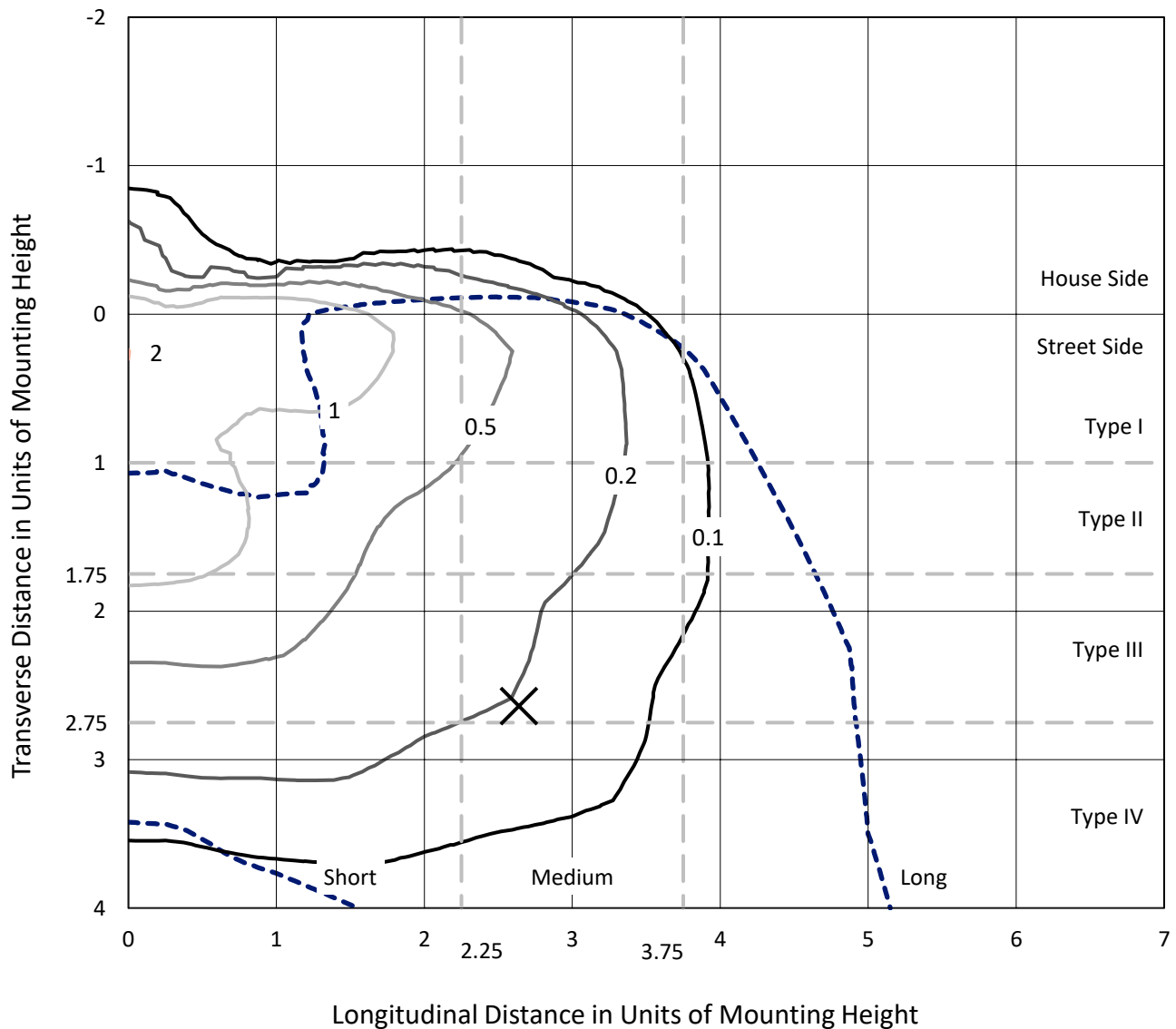


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

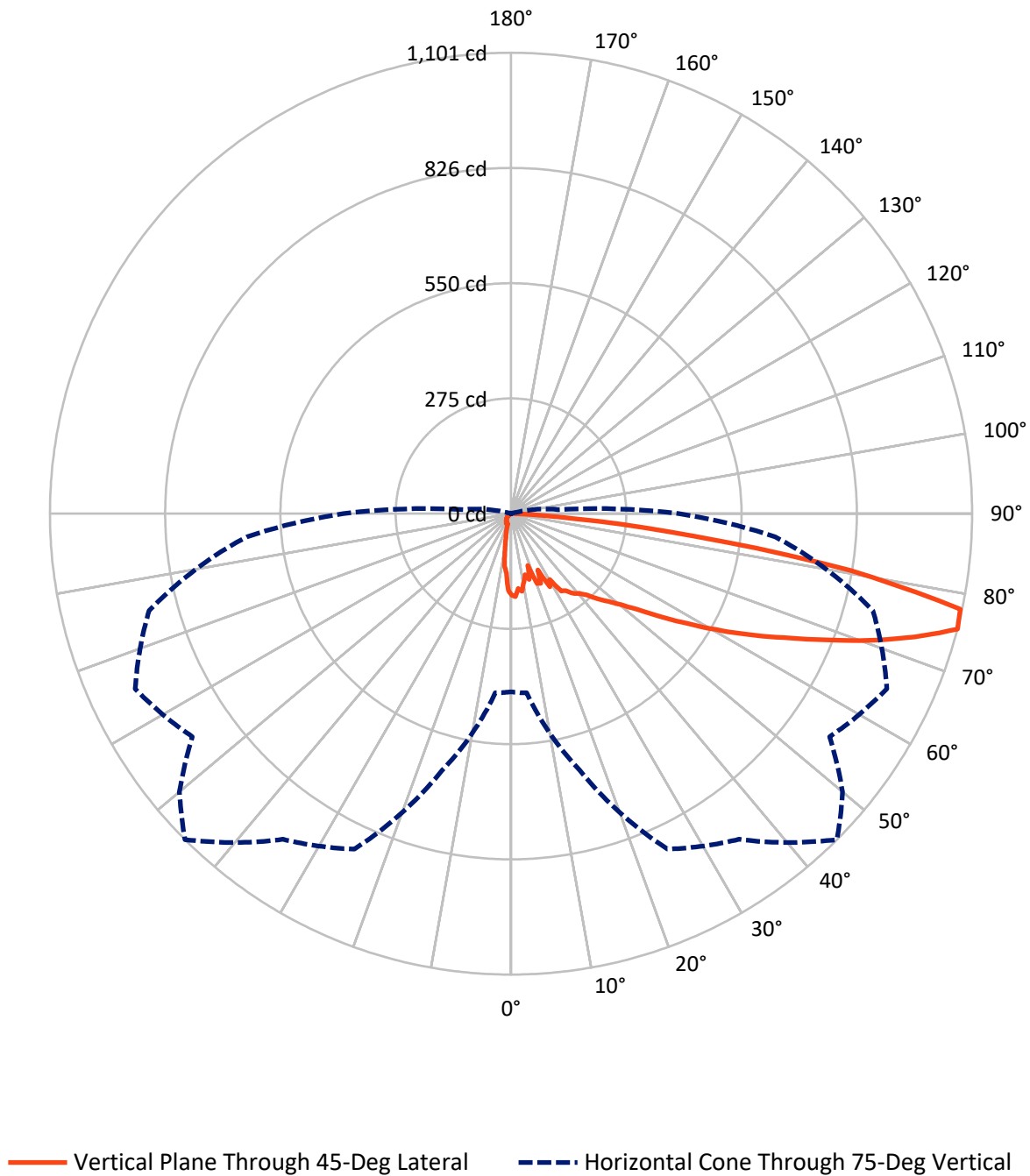


Based on 10 foot mounting height. Maximum calculated value = 2 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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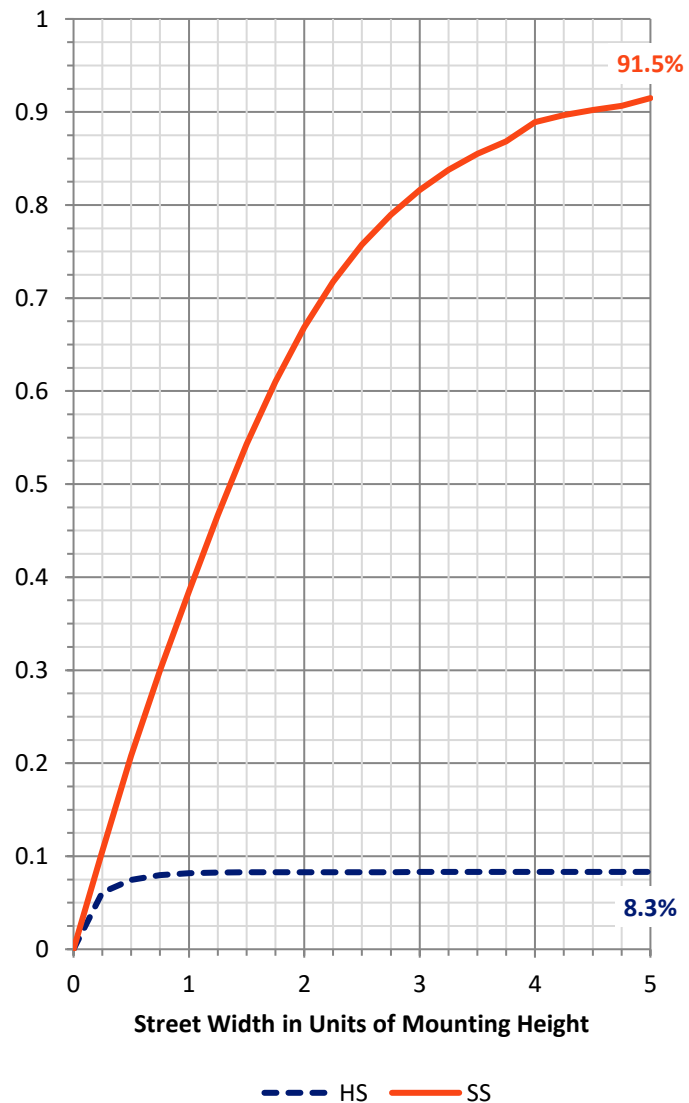
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	133.2	0.0	133.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	1452.9	0.0	1452.9
	% Fixture	91.6	0.0	91.6
Total	Lumens	1586.1	0.0	1586.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.1	1.0
10°-20°	33.2	2.1
20°-30°	56.1	3.5
30°-40°	103.4	6.5
40°-50°	169.7	10.7
50°-60°	302.0	19.0
60°-70°	451.8	28.5
70°-80°	402.3	25.4
80°-90°	52.6	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°	1586.1	100.0
0°-180°	1586.1	100.0

Coefficient of Utilization



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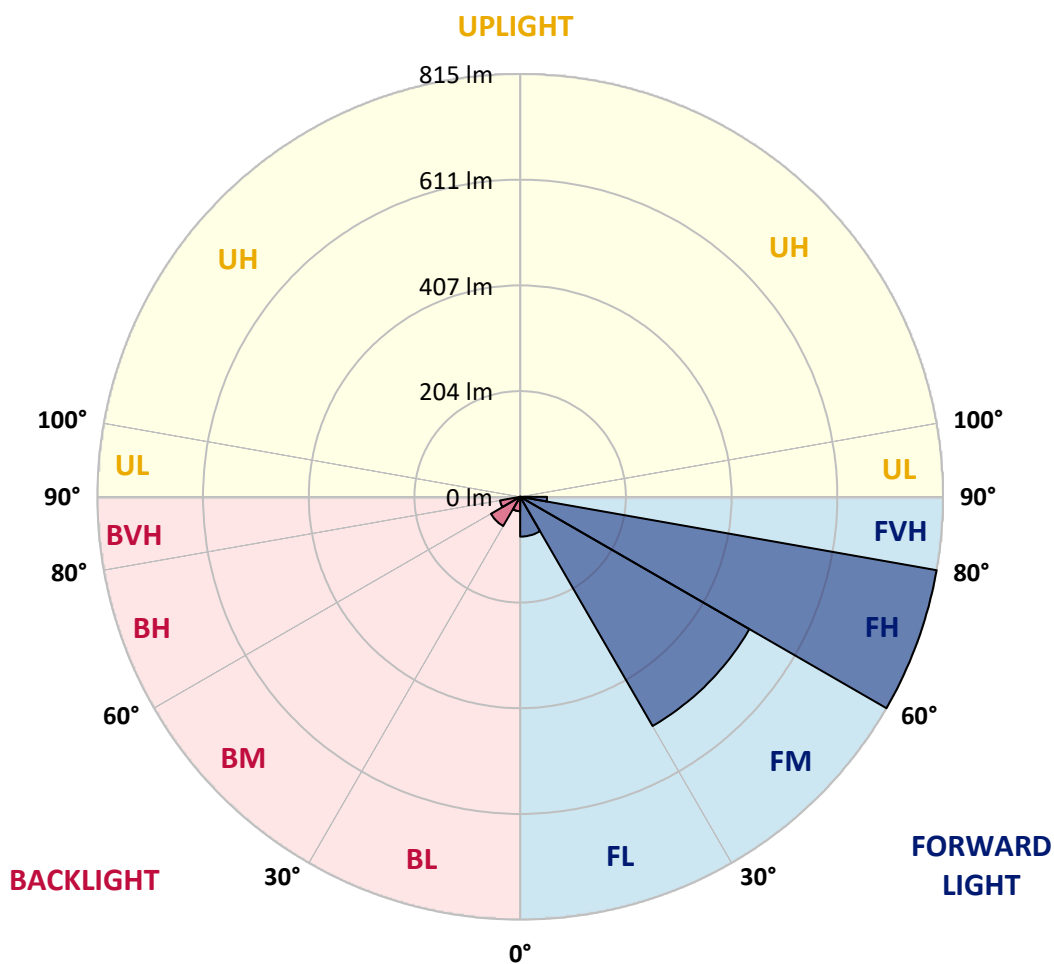
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.7	4.8			
FM	(30°-60°)	509.9	32.1			
FH	(60°-80°)	814.7	51.4			G1/1800
FVH	(80°-90°)	51.7	3.3			G1/100
BL	(0°-30°)	27.8	1.8	B0/110		
BM	(30°-60°)	65.1	4.1	B0/220		
BH	(60°-80°)	39.4	2.5	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5
2.5°	180.9	194.5	196.1	196.9	198.5	199.3	199.3	199.3	199.3	198.5	198.5
5°	191.3	190.5	189.7	188.9	188.1	186.5	184.9	182.5	180.9	179.3	177.7
7.5°	187.3	188.1	190.5	192.1	191.3	190.5	192.1	192.9	190.5	187.3	184.1
10°	218.4	216.8	215.2	213.6	211.2	208.8	189.7	170.6	169.0	166.6	165.0
12.5°	191.3	215.2	215.2	215.2	215.2	215.2	202.4	189.7	169.8	149.8	126.7
15°	239.1	238.3	235.1	231.9	210.4	188.1	176.1	164.2	164.2	163.4	153.8
17.5°	198.5	198.5	214.4	229.5	220.8	212.0	195.3	178.5	154.6	129.9	139.5
20°	251.1	251.1	247.9	244.7	208.0	171.4	173.0	174.6	176.1	177.7	147.5
22.5°	206.4	204.8	203.2	201.7	205.6	209.6	176.9	143.5	162.6	180.9	141.1
25°	251.9	254.3	252.7	250.3	217.6	184.9	192.1	198.5	173.8	149.0	173.0
27.5°	216.0	213.6	210.4	206.4	208.8	211.2	196.1	180.1	188.9	197.7	158.6
30°	264.6	265.4	263.8	262.2	231.1	200.1	199.3	197.7	190.5	182.5	178.5
32.5°	327.6	321.2	298.9	276.6	257.4	238.3	223.2	208.0	214.4	220.0	198.5
35°	357.9	345.9	336.4	326.0	294.1	261.4	243.1	224.0	224.8	225.6	216.8
37.5°	387.4	369.8	357.9	345.9	307.7	269.4	249.5	229.5	235.9	241.5	231.9
40°	397.7	388.2	381.0	373.8	333.2	291.7	268.6	244.7	247.9	250.3	247.1
42.5°	424.0	422.4	418.4	413.7	365.0	315.6	287.7	259.8	263.0	265.4	263.8
45°	487.0	484.6	484.6	483.8	420.8	357.1	320.4	283.7	286.9	290.1	288.5
47.5°	568.3	564.3	559.5	553.9	487.0	419.2	366.6	313.2	313.2	313.2	315.6
50°	653.6	648.0	637.6	626.5	558.7	491.0	424.0	357.1	349.9	341.9	350.7
52.5°	742.0	732.5	714.9	696.6	636.8	577.1	501.3	424.8	403.3	381.0	392.1
55°	789.9	779.5	767.6	754.8	706.2	656.8	579.4	502.1	468.7	434.4	446.3
57.5°	828.9	826.5	821.0	815.4	777.9	740.5	663.1	585.0	539.6	494.2	504.5
60°	882.3	879.1	881.5	883.9	855.2	826.5	753.2	679.1	620.9	561.9	558.7
62.5°	922.2	921.4	933.3	945.3	930.1	914.2	832.1	749.2	692.6	635.2	619.3
65°	885.5	895.9	940.5	985.1	982.8	979.6	903.0	825.7	769.9	713.4	692.6
67.5°	808.2	813.0	879.1	944.5	973.2	1001.1	946.9	891.9	848.1	803.4	765.2
70°	735.7	746.0	804.2	862.4	936.5	1010.6	967.6	924.6	915.8	906.2	856.8
72.5°	665.5	683.9	738.1	792.3	891.1	989.1	963.6	938.1	972.4	1006.7	947.7
75°	425.6	429.6	532.4	634.4	759.6	883.9	916.6	949.3	1025.0	1100.7	1033.0
77.5°	124.3	137.9	215.2	292.5	436.0	578.7	690.2	801.8	949.3	1096.7	1013.8
80°	42.2	45.4	56.6	67.0	143.5	220.0	349.1	477.4	648.8	820.2	762.0
82.5°	20.7	21.5	27.1	31.9	48.6	65.4	131.5	196.9	318.0	438.4	448.7
85°	6.4	6.4	9.6	12.8	20.7	28.7	49.4	69.3	110.0	149.8	126.7
87.5°	1.6	1.6	2.4	3.2	4.8	6.4	6.4	6.4	4.8	3.2	4.0
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°	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5
2.5°	199.3	199.3	199.3	198.5	196.9	196.1	194.5	192.9	191.3	190.5	188.9
5°	175.3	185.7	195.3	196.1	196.1	193.7	191.3	188.9	186.5	184.1	181.7
7.5°	180.1	174.6	169.0	169.8	170.6	169.8	168.2	164.2	161.0	154.6	147.5
10°	144.3	140.3	135.5	137.1	138.7	142.7	146.7	143.5	138.7	126.7	114.0
12.5°	141.9	141.1	139.5	127.5	114.8	121.2	126.7	123.5	118.8	106.8	94.1
15°	121.2	121.9	121.9	133.9	145.9	150.6	154.6	150.6	145.1	129.1	112.4
17.5°	156.2	148.2	140.3	135.5	129.9	131.5	133.1	115.6	121.2	110.8	99.6
20°	161.8	135.5	109.2	130.7	152.2	159.4	166.6	162.6	155.4	129.9	103.6
22.5°	147.5	157.0	166.6	153.0	139.5	130.7	121.2	117.2	112.4	101.2	90.1
25°	182.5	156.2	129.1	154.6	179.3	180.9	182.5	175.3	167.4	135.5	103.6
27.5°	163.4	172.2	180.1	185.7	191.3	198.5	205.6	197.7	178.5	141.1	102.8
30°	194.5	206.4	218.4	236.7	255.1	260.6	265.4	256.6	241.5	178.5	114.8
32.5°	203.2	227.2	251.1	258.2	264.6	271.8	279.0	271.8	253.5	176.9	99.6
35°	227.2	243.9	259.8	271.0	282.2	288.5	294.9	290.1	265.4	174.6	83.7
37.5°	234.3	256.6	278.2	290.9	302.9	308.5	313.2	313.2	278.2	173.0	67.0
40°	245.5	273.4	301.3	313.2	324.4	333.2	341.1	344.3	292.5	172.2	51.0
42.5°	267.8	292.5	317.2	336.4	354.7	367.4	380.2	382.6	309.3	174.6	39.1
45°	291.7	318.0	344.3	369.8	395.3	413.7	431.2	429.6	329.2	180.9	31.9
47.5°	326.0	350.7	375.4	418.4	460.7	478.2	495.0	483.8	349.9	188.9	27.9
50°	361.1	391.3	421.6	476.6	530.8	546.8	561.9	538.8	369.8	198.5	26.3
52.5°	406.5	442.4	478.2	541.2	604.2	618.5	632.9	585.8	385.0	204.8	24.7
55°	459.9	506.1	552.4	612.1	671.1	687.8	704.6	632.1	392.1	208.0	23.9
57.5°	524.5	577.9	630.5	685.5	739.7	762.8	785.1	677.5	395.3	208.8	22.3
60°	587.4	646.4	705.4	752.4	799.4	835.3	870.4	722.1	393.7	207.2	19.9
62.5°	645.6	711.0	775.5	819.4	863.2	906.2	949.3	758.0	383.4	200.1	15.9
65°	706.2	775.5	844.1	882.3	920.6	976.4	1031.4	789.1	369.0	190.5	11.2
67.5°	761.2	827.3	893.5	936.5	979.6	1034.6	1088.8	797.0	348.3	178.5	8.0
70°	807.4	879.1	950.1	993.9	1037.7	1065.6	1092.7	762.0	306.9	156.2	5.6
72.5°	871.2	935.7	999.5	1021.8	1043.3	994.7	945.3	635.2	230.3	118.0	4.8
75°	928.6	959.6	989.9	942.1	894.3	763.6	632.9	400.1	112.4	59.0	4.8
77.5°	870.4	853.6	836.9	690.2	542.8	403.3	263.0	157.0	35.1	19.1	3.2
80°	630.5	553.9	476.6	330.0	182.5	121.9	60.6	35.1	8.8	5.6	2.4
82.5°	339.5	262.2	184.1	118.8	53.4	35.9	17.5	12.0	4.0	3.2	1.6
85°	122.7	97.2	70.9	55.0	39.1	23.1	6.4	4.0	2.4	2.4	1.6
87.5°	11.2	12.8	14.3	11.2	7.2	4.8	1.6	1.6	1.6	1.6	0.8
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°	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5
2.5°	188.1	187.3	186.5	184.9	184.1	183.3	177.7	172.2	165.8	159.4	159.4
5°	171.4	161.0	155.4	149.8	145.9	141.9	141.1	139.5	137.9	136.3	135.5
7.5°	143.5	139.5	136.3	133.1	129.1	125.1	121.2	117.2	114.0	110.8	103.6
10°	107.6	101.2	96.4	91.7	89.3	86.1	81.3	75.7	75.7	75.7	74.9
12.5°	93.3	92.5	80.5	67.7	63.8	59.8	59.0	58.2	56.6	54.2	51.0
15°	92.5	71.7	61.4	50.2	47.8	44.6	39.9	34.3	33.5	31.9	35.9
17.5°	83.7	67.7	55.8	43.8	35.1	26.3	27.9	28.7	32.7	35.9	38.3
20°	75.7	47.8	39.9	31.1	28.7	25.5	27.1	28.7	27.9	26.3	30.3
22.5°	70.9	51.0	37.5	23.9	25.5	27.1	25.5	23.1	27.1	31.1	33.5
25°	68.5	32.7	29.5	25.5	23.9	22.3	25.5	27.9	26.3	24.7	29.5
27.5°	67.7	32.7	27.9	22.3	23.9	25.5	24.7	23.1	26.3	28.7	27.9
30°	72.5	29.5	26.3	23.1	22.3	21.5	23.1	24.7	24.7	23.9	27.9
32.5°	64.6	29.5	26.3	22.3	22.3	21.5	21.5	21.5	23.9	26.3	27.9
35°	55.8	27.1	24.7	21.5	20.7	19.9	20.7	20.7	23.1	24.7	27.9
37.5°	46.2	25.5	23.1	19.9	19.1	18.3	18.3	17.5	19.9	22.3	24.7
40°	37.5	23.9	21.5	18.3	17.5	16.7	16.7	16.7	18.3	19.1	20.7
42.5°	31.1	22.3	19.9	16.7	15.9	15.1	15.1	14.3	15.1	15.9	16.7
45°	27.1	21.5	19.1	15.9	15.1	13.5	12.8	12.0	12.0	12.0	12.0
47.5°	23.9	19.9	18.3	15.9	14.3	12.0	11.2	9.6	8.8	8.0	7.2
50°	22.3	18.3	16.7	14.3	12.8	10.4	8.8	7.2	6.4	4.8	4.8
52.5°	20.7	16.7	15.1	12.8	10.4	8.0	6.4	4.0	4.0	3.2	3.2
55°	19.9	15.9	13.5	11.2	8.8	5.6	4.0	2.4	2.4	1.6	1.6
57.5°	19.1	15.1	12.8	9.6	6.4	3.2	2.4	1.6	1.6	1.6	1.6
60°	16.7	13.5	10.4	6.4	4.0	1.6	1.6	0.8	1.6	1.6	1.6
62.5°	13.5	10.4	7.2	4.0	2.4	0.8	0.8	0.8	1.6	1.6	1.6
65°	9.6	7.2	4.8	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
67.5°	7.2	5.6	4.0	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8
70°	4.8	4.0	3.2	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	4.0	3.2	2.4	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8
75°	4.0	3.2	2.4	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8
77.5°	3.2	2.4	1.6	0.8	0.8	0.0	0.8	1.6	1.6	1.6	1.6
80°	2.4	1.6	1.6	0.8	0.8	0.0	0.8	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	0.8	0.8	0.0	1.6	2.4	2.4	1.6	1.6
85°	1.6	0.8	0.8	0.8	0.8	0.8	1.6	2.4	2.4	2.4	1.6
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	2.4	2.4	1.6
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°	194.5	194.5	194.5	194.5
2.5°	158.6	158.6	157.8	157.8
5°	133.9	133.9	133.1	133.1
7.5°	96.4	94.8	92.5	93.3
10°	74.1	72.5	70.9	72.5
12.5°	47.8	48.6	48.6	46.2
15°	39.1	42.2	44.6	44.6
17.5°	40.6	40.6	39.9	39.9
20°	34.3	37.5	40.6	40.6
22.5°	35.1	33.5	31.9	31.9
25°	33.5	35.9	37.5	37.5
27.5°	27.1	27.9	28.7	28.7
30°	31.1	32.7	33.5	33.5
32.5°	29.5	31.1	31.9	32.7
35°	30.3	31.9	32.7	32.7
37.5°	27.1	27.9	28.7	28.7
40°	21.5	22.3	23.1	23.1
42.5°	16.7	16.7	15.9	16.7
45°	11.2	11.2	10.4	11.2
47.5°	6.4	6.4	6.4	6.4
50°	4.0	4.0	4.0	4.0
52.5°	2.4	2.4	2.4	2.4
55°	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	0.8	0.8
60°	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	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°	0.8	0.8	0.0	0.0
77.5°	0.8	0.8	0.0	0.0
80°	0.8	0.8	0.0	0.0
82.5°	0.8	0.8	0.0	0.0
85°	0.8	0.8	0.8	0.0
87.5°	0.8	0.8	0.8	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)