

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: P560125

Luminaire Tested: **SDL-PA1-20-830-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
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-T3-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1527.3 lumens
Efficiency: N/A
Efficacy: 72.7 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 - U2 - 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

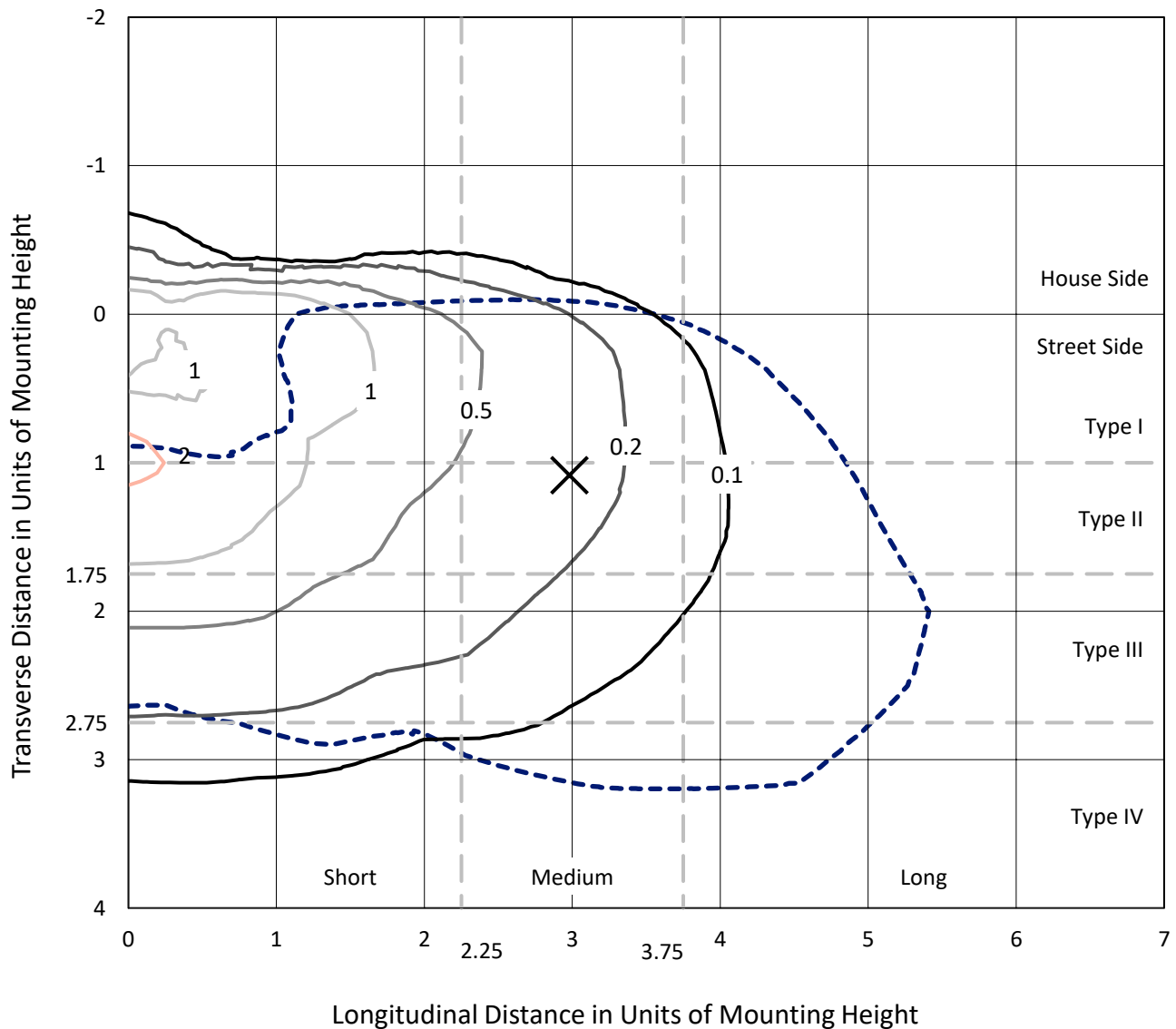


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

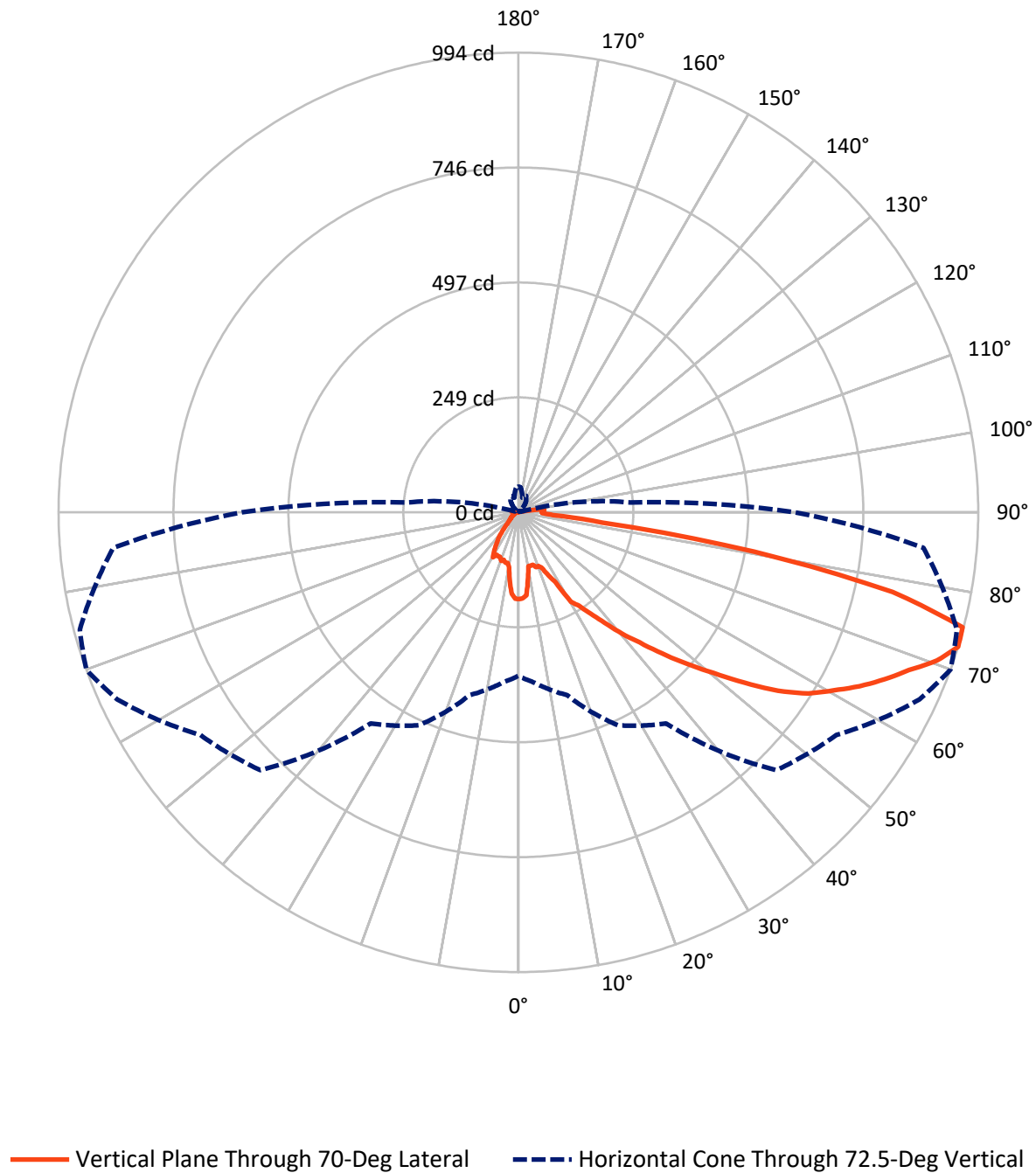


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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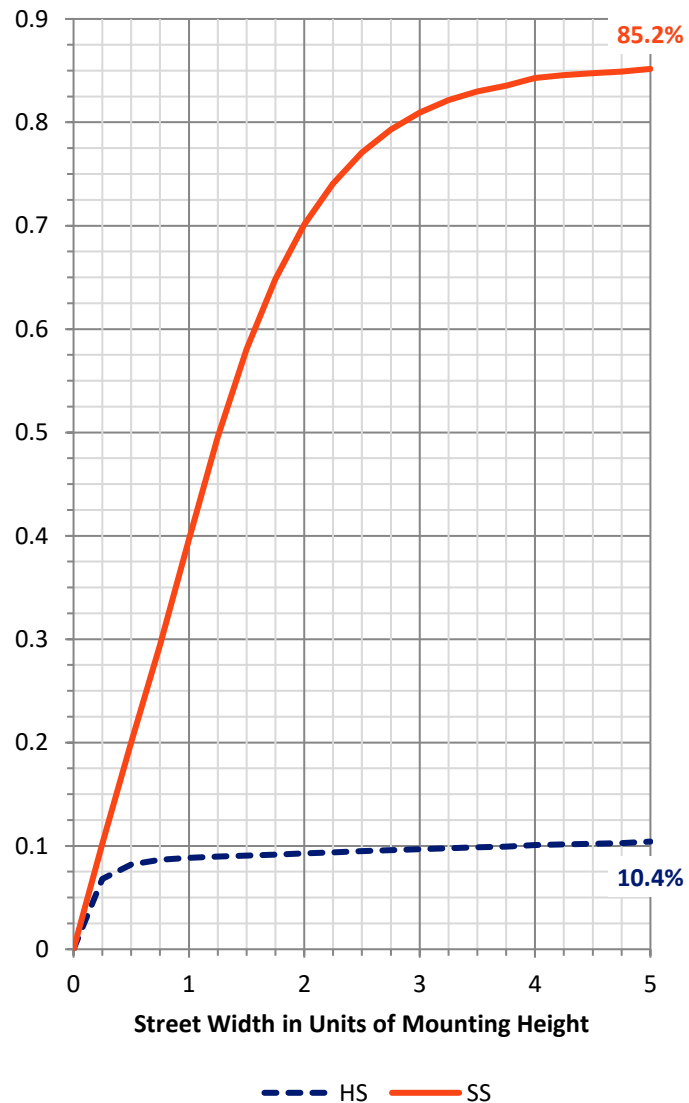
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	175.1	24.7	199.7
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	1307.7	19.9	1327.6
	% Fixture	85.6	1.3	86.9
Total	Lumens	1482.7	44.6	1527.3
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	0.9
10°-20°	28.6	1.9
20°-30°	46.3	3.0
30°-40°	99.0	6.5
40°-50°	194.6	12.7
50°-60°	325.0	21.3
60°-70°	403.4	26.4
70°-80°	310.6	20.3
80°-90°	60.7	4.0
90°-100°	33.0	2.2
100°-110°	6.8	0.4
110°-120°	2.0	0.1
120°-130°	1.5	0.1
130°-140°	0.7	0.0
140°-150°	0.3	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1482.7	97.1
0°-180°	1527.3	100.0

Coefficient of Utilization



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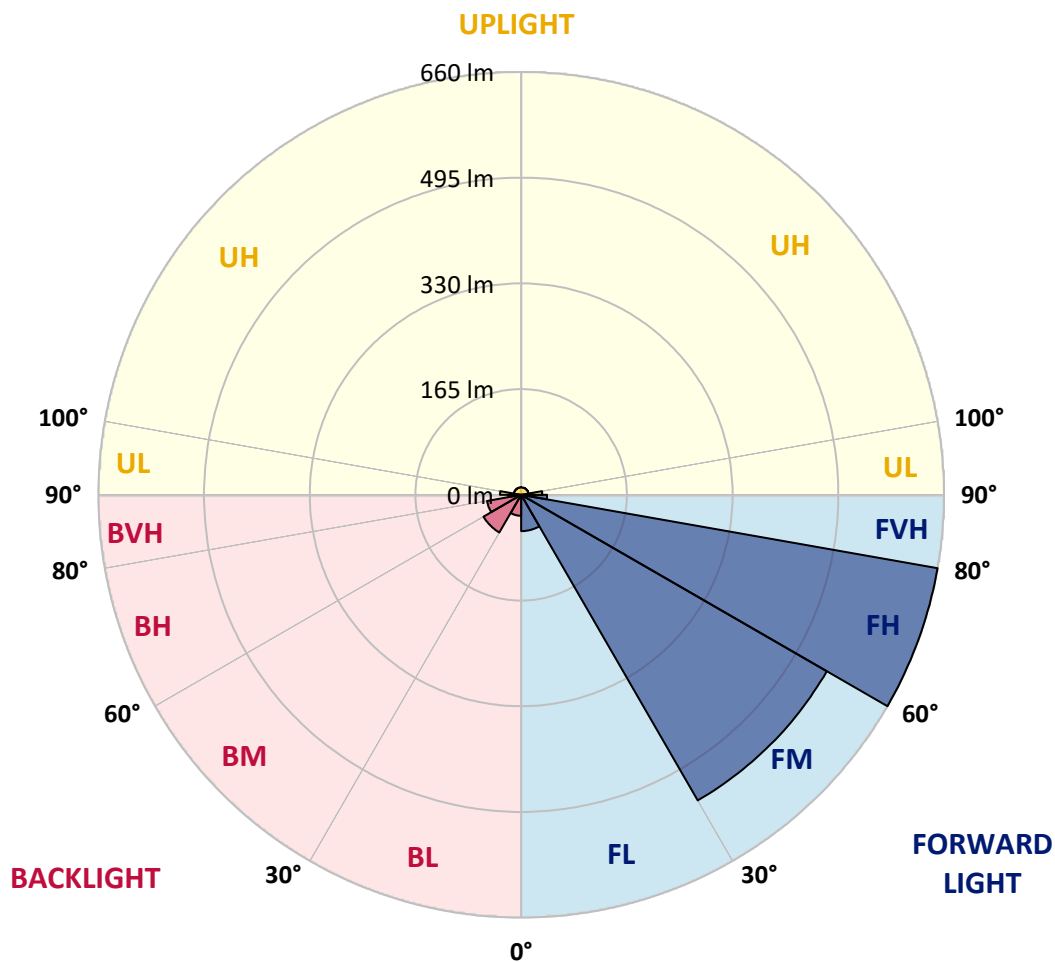
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	56.7	3.7			
FM	(30°-60°)	550.7	36.1			
FH	(60°-80°)	659.9	43.2			G0/660
FVH	(80°-90°)	40.4	2.6			G1/100
BL	(0°-30°)	32.8	2.1	B0/110		
BM	(30°-60°)	67.9	4.4	B0/220		
BH	(60°-80°)	54.1	3.5	B0/110		G0/110
BVH	(80°-90°)	20.3	1.3			G1/100
UL	(90°-100°)	33.0	2.2		U2/50	
UH	(100°-180°)	11.6	0.8		U2/50	

BUG Rating: B0-U2-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6
2.5°	158.2	175.7	176.5	178.1	179.7	182.0	186.0	186.0	186.0	186.0	186.8
5°	150.2	150.2	150.2	151.8	151.8	153.4	154.2	178.1	180.4	182.8	182.8
7.5°	124.8	136.7	137.5	142.3	147.9	150.2	151.8	150.2	147.9	157.4	161.4
10°	136.7	136.7	136.7	138.3	130.4	126.4	116.9	117.6	118.4	125.6	143.1
12.5°	113.7	120.8	128.0	135.9	125.6	112.9	110.5	116.9	118.4	105.7	125.6
15°	132.8	132.0	132.0	124.8	104.1	112.9	98.6	104.1	117.6	128.8	149.4
17.5°	109.7	106.5	124.0	122.4	111.3	89.0	113.7	112.9	124.8	115.3	128.8
20°	130.4	129.6	129.6	100.2	110.5	120.0	118.4	110.5	124.0	138.3	163.0
22.5°	109.7	108.1	111.3	120.0	109.7	124.0	108.1	136.7	130.4	126.4	118.4
25°	138.3	137.5	137.5	109.7	124.0	113.7	136.7	124.8	151.0	164.5	179.7
27.5°	124.0	124.0	118.4	127.2	118.4	143.1	131.2	157.4	170.9	179.7	217.0
30°	171.7	172.5	163.0	126.4	132.0	134.3	155.0	194.8	224.2	245.6	268.7
32.5°	247.2	242.5	202.7	172.5	139.9	166.1	171.7	226.6	240.9	263.9	283.8
35°	336.3	333.9	298.9	223.4	168.5	178.1	191.6	246.4	268.7	291.7	303.7
37.5°	397.5	395.1	372.8	284.6	203.5	207.5	209.1	274.2	302.9	325.9	331.5
40°	447.5	443.6	430.1	332.3	250.4	242.5	234.5	312.4	345.0	364.1	366.5
42.5°	523.1	516.7	482.5	387.1	298.1	289.4	262.3	345.8	384.7	410.2	411.8
45°	613.7	608.1	560.4	463.4	349.0	346.6	311.6	388.7	434.8	465.0	456.3
47.5°	675.7	660.6	633.6	536.6	427.7	407.0	366.5	432.4	488.9	534.2	509.5
50°	732.1	721.0	697.9	617.7	512.7	484.9	423.7	482.5	546.1	587.4	554.1
52.5°	784.6	767.9	748.8	678.1	585.9	572.3	480.1	532.6	612.1	646.3	600.2
55°	810.8	784.6	781.4	732.9	642.3	631.2	543.7	594.6	681.2	705.1	643.9
57.5°	767.9	767.1	791.7	766.3	688.4	682.8	608.1	661.4	739.3	750.4	686.8
60°	739.3	740.1	777.4	779.0	728.9	732.1	666.1	738.5	782.2	789.4	727.4
62.5°	689.2	694.8	751.2	787.8	739.3	779.0	715.4	791.7	828.3	830.7	777.4
65°	626.4	632.0	689.2	763.9	728.1	810.0	756.8	851.4	870.4	872.0	832.3
67.5°	553.3	555.6	619.2	701.9	701.1	821.2	782.2	891.1	911.0	915.7	879.2
70°	472.2	469.0	527.0	622.4	643.1	815.6	813.2	930.1	960.3	959.5	911.8
72.5°	353.7	368.8	409.4	508.0	557.2	788.6	839.4	957.1	994.4	981.7	879.2
75°	120.8	128.8	238.5	323.5	429.3	716.2	845.0	958.7	992.1	935.6	719.4
77.5°	39.7	37.4	53.3	128.8	238.5	496.0	743.2	836.3	827.5	727.4	442.0
80°	19.1	19.9	23.8	45.3	87.4	225.0	466.6	529.4	517.5	381.6	191.6
82.5°	12.7	13.5	15.9	26.2	49.3	77.1	248.0	241.7	182.8	120.0	78.7
85°	5.6	5.6	7.9	13.5	30.2	50.9	94.6	82.7	74.7	69.2	64.4
87.5°	1.6	1.6	3.2	4.8	10.3	31.8	53.3	50.1	51.7	54.1	61.2
90°	1.6	1.6	1.6	1.6	7.9	33.4	54.1	50.9	50.9	54.1	64.4
92.5°	2.4	2.4	1.6	1.6	7.2	33.4	56.4	48.5	51.7	54.8	69.2
95°	2.4	3.2	1.6	0.8	5.6	34.2	58.0	51.7	56.4	55.6	73.9
97.5°	3.2	3.2	1.6	0.8	3.2	29.4	58.8	42.1	42.9	39.7	58.0
100°	4.0	4.0	1.6	1.6	2.4	15.1	43.7	27.0	16.7	12.7	19.1
102.5°	4.8	4.8	1.6	1.6	1.6	5.6	19.9	15.9	8.7	2.4	4.8
105°	4.8	5.6	1.6	1.6	0.8	2.4	8.7	6.4	3.2	2.4	4.8
107.5°	5.6	5.6	1.6	1.6	0.8	1.6	2.4	2.4	1.6	2.4	4.8
110°	5.6	5.6	2.4	1.6	0.8	1.6	0.8	1.6	1.6	2.4	5.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	4.0	4.0	1.6	2.4	0.8	0.8	0.8	1.6	1.6	2.4	4.8
115°	2.4	1.6	0.8	1.6	0.8	0.8	0.8	1.6	1.6	1.6	4.0
117.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	2.4	4.8
120°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	3.2	5.6
122.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	3.2	6.4
125°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	5.6
127.5°	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8	1.6	2.4	4.8
130°	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	1.6	3.2
132.5°	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	1.6	3.2
135°	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.6
137.5°	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
140°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	1.6	1.6	1.6	0.8	0.8	0.8	0.8	1.6	1.6	0.8	0.8
155°	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8	1.6	1.6
157.5°	0.0	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6
2.5°	186.8	186.8	186.0	187.6	186.8	186.8	176.5	166.1	163.8	164.5	166.1
5°	183.6	183.6	183.6	170.9	156.6	151.8	153.4	153.4	153.4	152.6	154.2
7.5°	162.2	161.4	159.0	144.7	151.0	150.2	149.4	147.9	128.8	124.0	124.0
10°	143.9	143.9	123.2	117.6	117.6	122.4	125.6	120.8	118.4	114.5	113.7
12.5°	126.4	126.4	105.7	117.6	99.4	98.6	96.2	88.2	74.7	65.2	66.0
15°	150.2	150.2	124.8	100.2	83.5	78.7	49.3	46.1	44.5	43.7	42.9
17.5°	128.0	128.8	115.3	99.4	77.9	41.3	35.0	35.0	35.0	33.4	30.2
20°	162.2	162.2	134.3	89.0	58.8	32.6	27.0	23.8	32.6	32.6	32.6
22.5°	117.6	116.1	118.4	90.6	36.6	26.2	22.3	27.8	29.4	24.6	24.6
25°	178.1	175.7	143.9	65.2	30.2	20.7	24.6	21.5	27.8	27.8	27.8
27.5°	219.4	203.5	146.3	59.6	22.3	23.8	19.9	23.8	21.5	20.7	20.7
30°	263.9	256.8	176.5	46.9	21.5	19.9	20.7	19.1	22.3	20.7	20.7
32.5°	278.2	271.1	159.8	36.6	20.7	19.1	17.5	18.3	17.5	18.3	18.3
35°	296.5	289.4	141.5	27.8	19.1	16.7	15.9	15.9	15.1	14.3	14.3
37.5°	322.7	310.8	120.8	23.8	17.5	15.1	12.7	11.9	12.7	15.9	16.7
40°	352.9	333.1	95.4	21.5	15.1	12.7	9.5	11.1	13.5	13.5	13.5
42.5°	396.7	360.1	70.7	19.9	13.5	10.3	7.2	8.7	10.3	14.3	14.3
45°	434.8	376.0	50.1	18.3	11.1	7.9	5.6	8.7	11.1	12.7	12.7
47.5°	479.3	391.1	37.4	17.5	10.3	5.6	6.4	8.7	8.7	13.5	13.5
50°	516.7	394.3	30.2	15.9	7.9	4.0	7.9	7.9	9.5	11.9	11.9
52.5°	551.7	397.5	27.0	14.3	6.4	3.2	7.9	7.9	11.1	14.3	14.3
55°	574.7	387.9	24.6	12.7	5.6	2.4	8.7	8.7	8.7	11.1	11.1
57.5°	593.0	376.0	23.1	11.1	4.8	4.8	9.5	11.1	9.5	11.1	11.1
60°	604.9	354.5	19.9	10.3	4.0	4.8	11.9	14.3	11.1	16.7	16.7
62.5°	626.4	337.8	17.5	9.5	3.2	4.8	11.9	18.3	14.3	22.3	23.1
65°	643.9	322.7	15.1	7.2	3.2	6.4	13.5	23.1	17.5	27.8	28.6
67.5°	651.0	304.5	12.7	6.4	3.2	7.2	17.5	28.6	22.3	32.6	32.6
70°	645.5	285.4	10.3	6.4	3.2	11.1	23.1	33.4	27.0	39.7	40.5
72.5°	597.0	243.2	7.9	6.4	2.4	11.9	28.6	39.7	32.6	54.1	55.6
75°	457.1	154.2	7.9	6.4	3.2	13.5	33.4	46.1	39.0	60.4	62.8
77.5°	279.0	71.5	7.9	7.2	4.0	16.7	36.6	53.3	42.9	65.2	66.8
80°	124.0	44.5	7.9	7.9	7.9	20.7	42.9	58.8	48.5	69.2	71.5
82.5°	62.0	33.4	7.2	7.9	11.9	24.6	50.9	62.8	50.1	71.5	72.3
85°	53.3	30.2	7.2	8.7	12.7	28.6	54.8	63.6	52.5	70.7	71.5
87.5°	50.9	28.6	8.7	8.7	14.3	30.2	56.4	66.8	54.1	68.4	67.6
90°	53.3	27.8	9.5	10.3	18.3	31.0	57.2	65.2	54.1	64.4	64.4
92.5°	54.8	27.0	10.3	11.9	22.3	35.0	56.4	63.6	54.1	59.6	59.6
95°	56.4	27.0	11.9	13.5	22.3	38.2	54.1	58.0	50.1	53.3	52.5
97.5°	42.9	19.9	14.3	15.1	20.7	29.4	43.7	45.3	32.6	31.8	31.0
100°	15.1	8.7	14.3	16.7	12.7	12.7	26.2	31.8	19.1	11.9	13.5
102.5°	4.8	4.0	12.7	16.7	10.3	4.8	13.5	19.9	14.3	1.6	1.6
105°	4.8	4.8	7.2	13.5	7.2	1.6	4.8	11.1	8.7	1.6	1.6
107.5°	4.8	4.0	3.2	7.9	2.4	1.6	2.4	2.4	2.4	0.8	1.6
110°	5.6	4.0	1.6	2.4	1.6	1.6	1.6	1.6	1.6	3.2	3.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.6	4.0	1.6	2.4	1.6	1.6	1.6	0.8	1.6	4.0	4.8
115°	4.8	4.0	1.6	1.6	1.6	1.6	0.8	0.8	1.6	4.8	4.8
117.5°	5.6	4.8	1.6	1.6	0.8	1.6	0.8	0.8	1.6	4.8	5.6
120°	6.4	5.6	1.6	1.6	0.8	0.8	0.8	0.8	1.6	4.0	4.8
122.5°	6.4	6.4	1.6	0.8	0.8	0.8	0.8	0.8	2.4	4.0	4.0
125°	5.6	5.6	1.6	0.8	0.8	0.8	0.8	0.8	2.4	4.0	4.0
127.5°	4.8	4.8	1.6	0.8	0.8	0.8	0.8	0.8	1.6	3.2	4.0
130°	4.0	4.0	1.6	0.8	0.8	0.8	0.0	0.8	1.6	3.2	3.2
132.5°	3.2	2.4	1.6	0.8	0.8	0.8	0.0	0.8	1.6	2.4	3.2
135°	2.4	2.4	0.8	0.8	0.8	0.8	0.0	0.0	1.6	1.6	2.4
137.5°	1.6	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	1.6	1.6
140°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8
142.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8
145°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8
147.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8
150°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8
152.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8
155°	1.6	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)