

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: P694681

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T2R-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694681
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-827-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2039 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

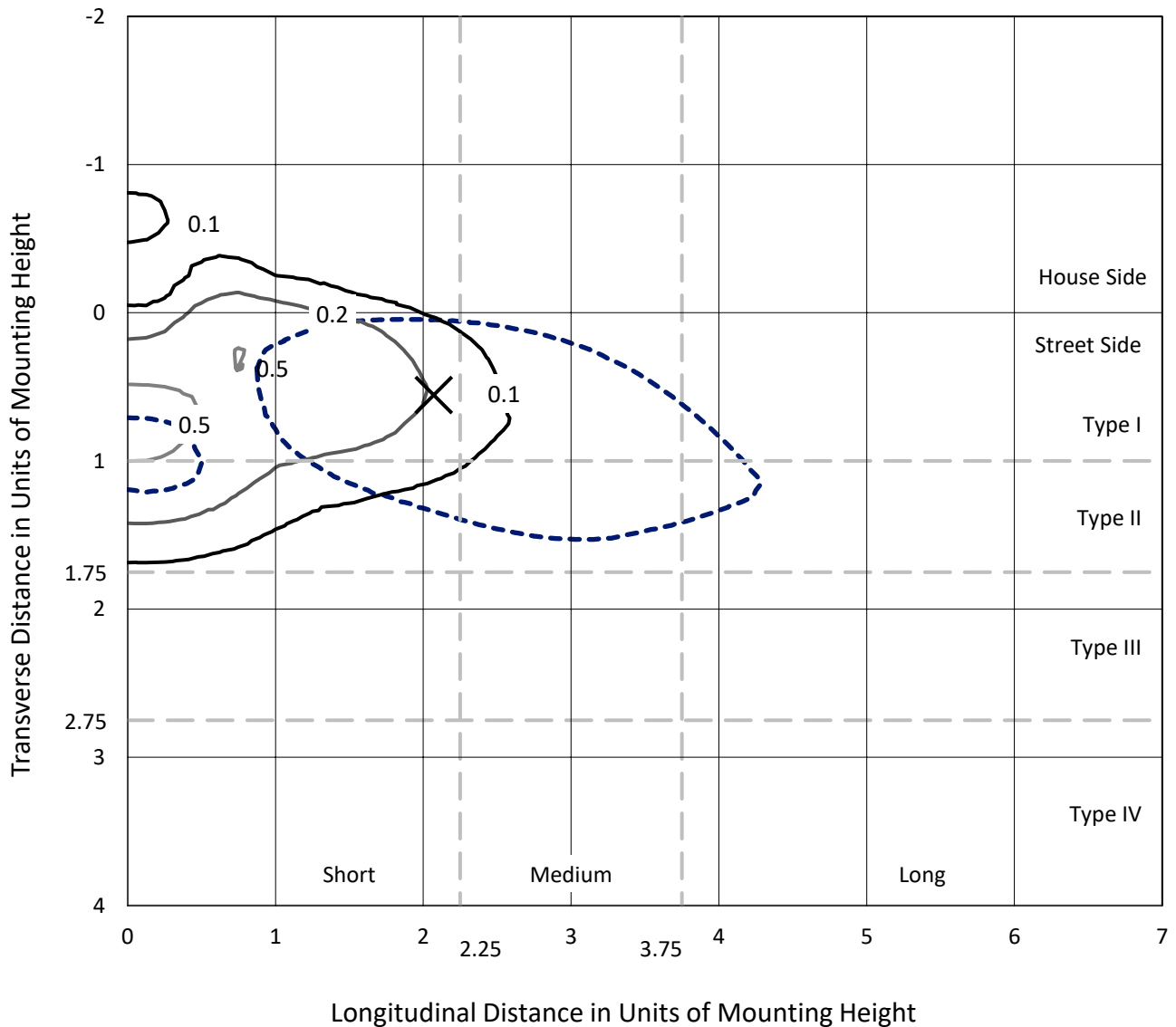
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

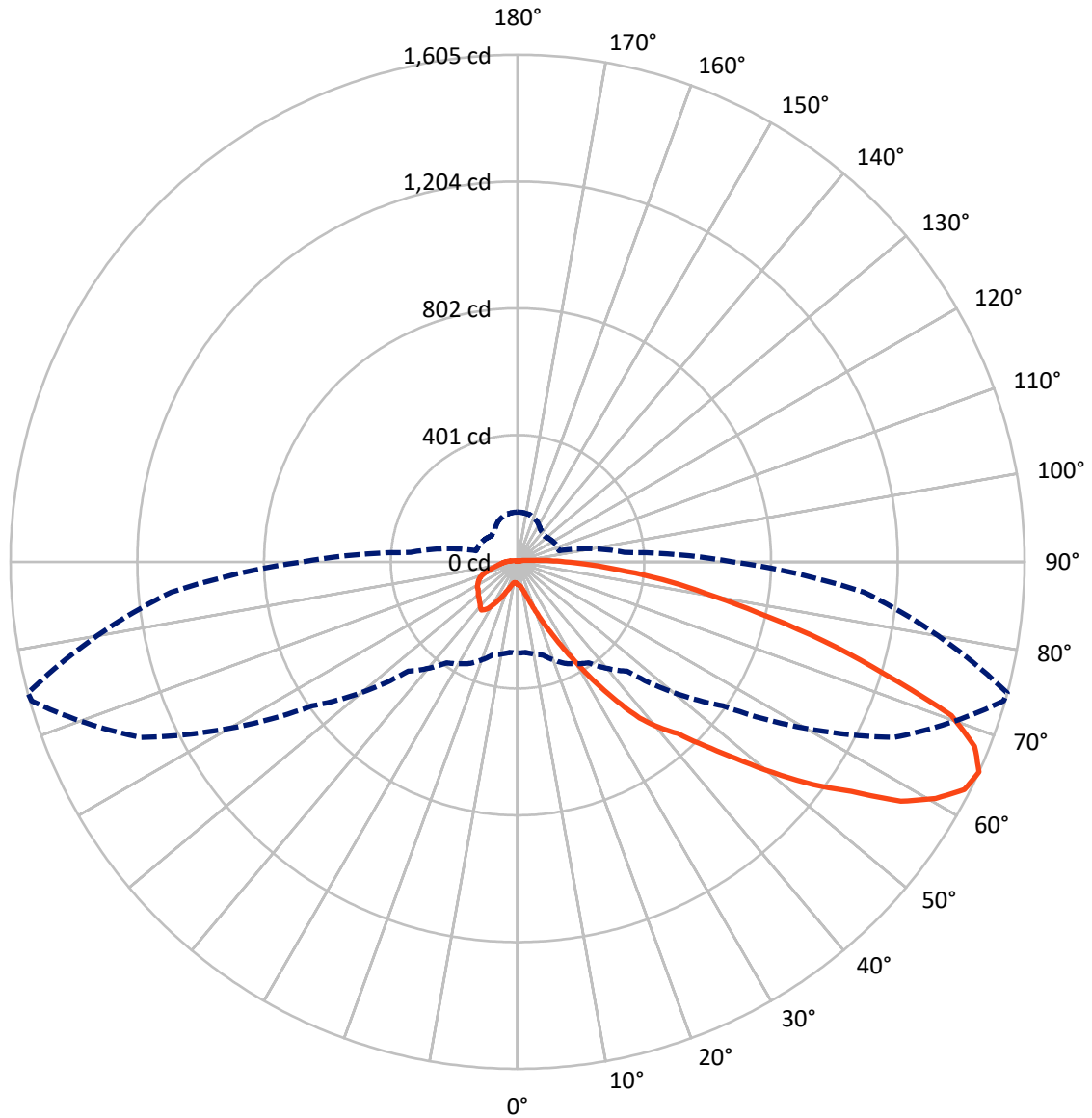
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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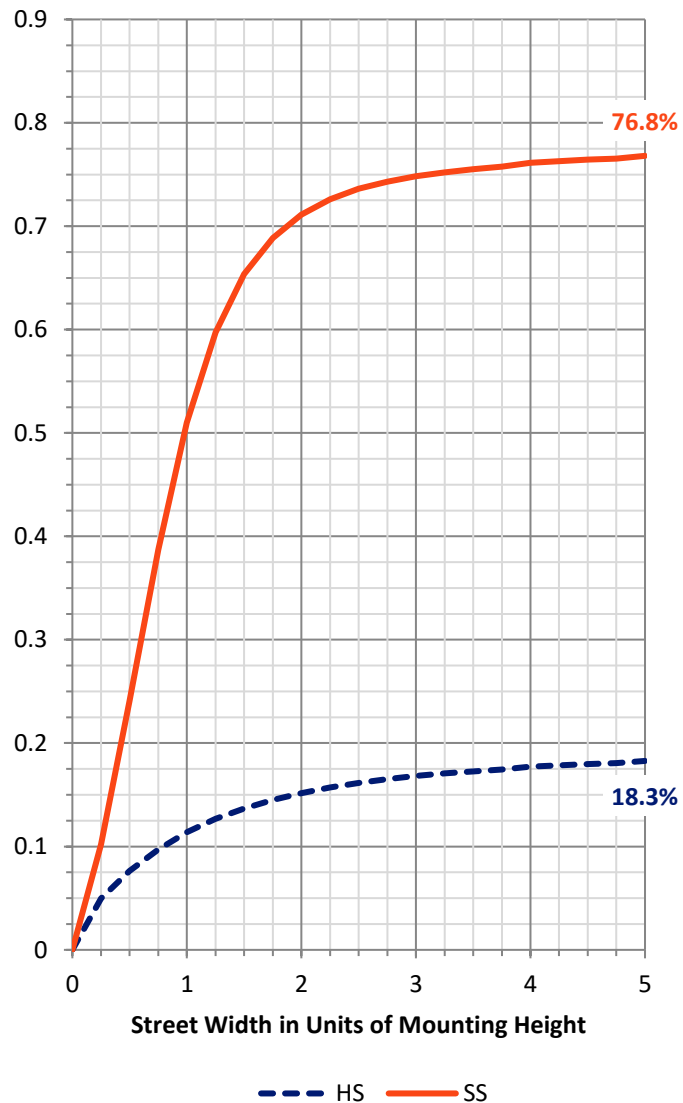
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	390.4	31.0	421.4
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	1586.5	31.1	1617.6
	% Fixture	77.8	1.5	79.3
Total	Lumens	1976.9	62.1	2039.0
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.4
10°-20°	31.1	1.5
20°-30°	97.2	4.8
30°-40°	231.0	11.3
40°-50°	357.6	17.5
50°-60°	446.3	21.9
60°-70°	436.7	21.4
70°-80°	265.5	13.0
80°-90°	104.3	5.1
90°-100°	32.5	1.6
100°-110°	13.0	0.6
110°-120°	7.2	0.4
120°-130°	4.7	0.2
130°-140°	3.2	0.2
140°-150°	1.4	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1976.9	97.0
0°-180°	2039.0	100.0

Coefficient of Utilization



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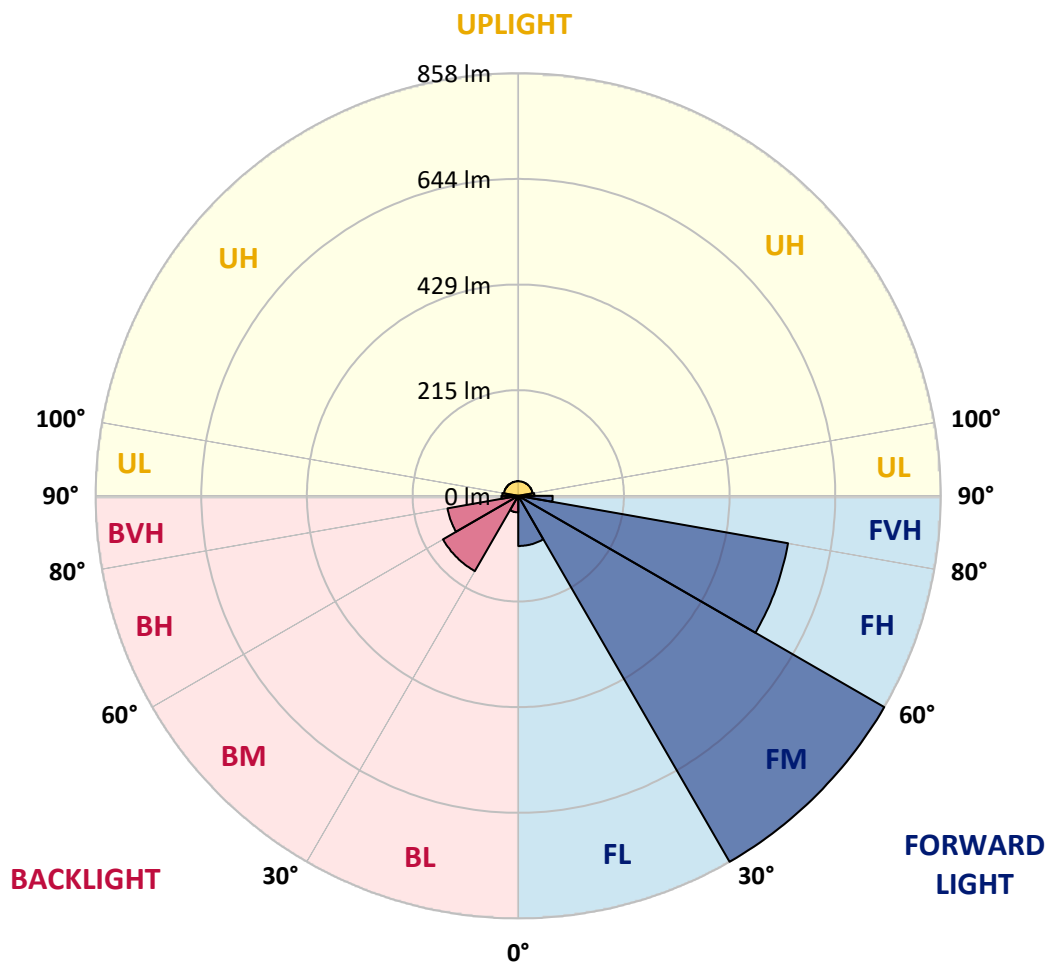
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	101.9	5.0			
FM (30°-60°)	858.3	42.1			
FH (60°-80°)	556.3	27.3			G0/660
FVH (80°-90°)	70.0	3.4			G1/100
BL (0°-30°)	33.6	1.6	B0/110		
BM (30°-60°)	176.6	8.7	B0/220		
BH (60°-80°)	145.9	7.2	B1/500		G1/500
BVH (80°-90°)	34.3	1.7			G1/100
UL (90°-100°)	32.5	1.6		U2/50	
UH (100°-180°)	29.6	1.5		U2/50	

BUG Rating: B1-U2-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
2.5°	79.1	79.9	79.1	78.4	77.6	76.9	75.4	74.6	73.1	73.1	71.6
5°	92.0	92.0	92.0	89.7	88.2	86.7	82.9	79.9	76.9	76.1	73.9
7.5°	107.8	106.3	105.5	103.3	100.2	97.2	92.0	86.7	82.2	81.4	76.9
10°	126.6	125.9	125.1	122.1	116.8	111.6	104.0	97.2	89.7	88.9	81.4
12.5°	152.3	151.5	148.5	144.7	137.2	128.9	119.8	111.6	101.8	101.0	90.4
15°	180.1	180.9	178.6	171.1	163.6	152.3	141.7	131.9	121.4	118.3	104.8
17.5°	222.4	221.6	216.3	203.5	194.5	182.4	168.8	156.0	143.2	140.9	123.6
20°	268.3	269.8	262.3	244.2	229.9	215.6	204.3	185.4	172.6	171.1	147.0
22.5°	327.1	330.9	315.1	297.0	272.9	256.3	245.0	226.9	208.8	208.8	177.9
25°	404.0	405.5	384.4	355.0	324.9	299.2	289.4	278.1	257.0	254.0	217.8
27.5°	483.1	487.7	462.8	424.4	379.1	348.2	342.2	336.2	310.5	309.8	259.3
30°	606.0	603.7	561.5	506.5	440.9	400.2	396.5	403.3	379.1	376.1	313.6
32.5°	717.6	713.8	668.6	596.2	506.5	458.3	452.2	474.9	458.3	457.5	375.4
35°	809.5	804.2	763.5	682.1	577.4	511.8	515.6	553.2	545.0	541.2	431.9
37.5°	852.5	861.5	826.9	747.7	638.4	566.8	584.2	639.9	632.4	627.1	493.7
40°	881.9	893.9	857.8	783.1	680.6	615.8	643.7	711.5	695.7	688.9	520.1
42.5°	892.4	902.2	878.1	803.5	706.3	652.7	689.7	764.3	754.5	743.2	557.8
45°	885.6	897.7	878.9	812.5	719.1	675.4	723.6	831.4	838.9	829.9	611.3
47.5°	859.3	872.8	866.1	812.5	722.8	686.7	764.3	916.6	933.9	929.4	670.1
50°	788.4	803.5	815.5	796.7	719.1	690.4	809.5	1001.0	1052.2	1049.2	751.5
52.5°	731.1	743.2	747.7	747.0	704.7	695.7	852.5	1111.0	1175.8	1171.3	824.6
55°	654.2	661.8	683.6	678.4	657.3	688.2	884.9	1191.7	1287.4	1282.1	908.3
57.5°	521.6	534.4	575.1	618.1	598.5	663.3	899.2	1264.8	1436.6	1429.9	1004.7
60°	444.0	447.7	471.1	511.8	538.9	613.5	893.9	1340.2	1526.3	1520.3	1048.5
62.5°	361.8	364.1	393.5	428.1	466.6	558.5	863.0	1344.7	1584.4	1587.4	1091.4
65°	288.7	287.9	305.3	355.0	390.4	489.9	796.0	1314.5	1599.4	1604.7	1099.7
67.5°	220.1	226.9	249.5	275.1	323.4	410.8	700.2	1235.4	1558.7	1560.2	1065.8
70°	151.5	154.5	175.6	216.3	252.5	340.7	594.7	1113.3	1456.2	1456.2	969.3
72.5°	109.3	113.1	123.6	150.0	195.2	266.8	491.4	955.7	1227.1	1215.0	811.8
75°	81.4	82.2	92.0	107.8	137.9	208.0	382.1	751.5	996.4	1000.2	667.1
77.5°	63.3	64.1	68.6	79.9	101.0	151.5	284.2	579.6	776.4	777.9	514.8
80°	52.8	53.5	55.8	61.8	75.4	108.5	208.8	436.4	600.0	600.7	401.0
82.5°	43.7	44.5	46.7	50.5	58.8	80.7	150.0	333.9	454.5	460.5	300.7
85°	36.9	37.7	39.2	42.2	48.2	62.6	108.5	239.7	320.3	318.1	208.0
87.5°	30.1	30.1	32.4	34.7	39.2	50.5	79.9	164.3	217.1	214.8	144.7
90°	22.6	23.4	24.9	27.9	32.4	39.9	58.0	107.8	134.9	134.9	92.0
92.5°	16.6	16.6	18.8	21.9	25.6	32.4	42.2	68.6	80.7	81.4	59.5
95°	12.1	12.1	13.6	15.1	19.6	25.6	30.9	42.2	49.7	48.2	40.7
97.5°	9.8	9.8	10.6	12.1	15.1	20.4	24.1	30.1	33.2	33.2	30.1
100°	8.3	8.3	9.0	9.0	12.1	16.6	19.6	21.9	24.1	24.9	24.1
102.5°	6.8	7.5	7.5	7.5	9.8	14.3	15.8	17.3	18.8	18.8	18.8
105°	6.0	6.0	6.8	6.8	8.3	12.1	13.6	14.3	15.1	15.1	15.1
107.5°	5.3	5.3	6.0	6.0	7.5	10.6	11.3	11.3	12.1	12.1	12.1
110°	5.3	5.3	5.3	5.3	6.8	9.0	9.0	9.0	9.0	9.0	9.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	4.5	4.5	5.3	5.3	6.0	8.3	8.3	7.5	7.5	7.5	9.0
115°	4.5	4.5	4.5	5.3	6.0	6.8	6.8	6.8	6.8	6.8	7.5
117.5°	4.5	4.5	4.5	5.3	5.3	6.8	6.0	6.0	6.0	6.0	6.8
120°	4.5	4.5	4.5	4.5	5.3	6.0	6.0	5.3	5.3	5.3	6.0
122.5°	4.5	4.5	4.5	4.5	5.3	5.3	5.3	4.5	4.5	4.5	6.0
125°	4.5	4.5	5.3	5.3	5.3	5.3	5.3	4.5	4.5	4.5	5.3
127.5°	5.3	5.3	5.3	5.3	4.5	5.3	4.5	4.5	4.5	4.5	5.3
130°	6.0	6.0	6.0	5.3	4.5	4.5	4.5	4.5	4.5	4.5	5.3
132.5°	6.0	6.0	6.0	5.3	4.5	4.5	3.8	3.8	4.5	4.5	4.5
135°	6.0	6.0	5.3	4.5	4.5	3.8	3.8	3.8	3.8	3.8	4.5
137.5°	5.3	5.3	5.3	4.5	3.8	3.8	3.0	3.0	3.8	3.8	3.8
140°	4.5	4.5	4.5	3.8	3.0	3.0	2.3	2.3	3.0	3.0	3.0
142.5°	3.8	3.8	3.8	3.0	3.0	2.3	2.3	2.3	2.3	2.3	3.0
145°	3.0	3.0	3.0	2.3	2.3	2.3	1.5	1.5	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	2.3	2.3	2.3	1.5	1.5	1.5	0.8	1.5	1.5	1.5	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
2.5°	71.6	70.9	69.3	68.6	67.1	66.3	65.6	64.8	65.6	64.8	64.8
5°	72.4	70.9	67.8	64.8	62.6	61.1	59.5	58.0	58.0	57.3	56.5
7.5°	73.9	71.6	66.3	62.6	58.0	55.0	52.8	51.3	50.5	49.7	49.7
10°	77.6	73.9	67.1	60.3	55.0	50.5	47.5	46.0	44.5	44.5	44.5
12.5°	85.2	80.7	70.1	60.3	52.8	47.5	43.7	42.2	42.2	42.2	42.2
15°	98.0	90.4	76.9	64.1	53.5	46.0	43.7	44.5	46.0	47.5	46.7
17.5°	113.8	104.8	85.9	69.3	56.5	49.7	48.2	50.5	52.8	54.3	55.0
20°	133.4	119.8	95.7	74.6	61.8	57.3	55.8	58.0	61.1	63.3	63.3
22.5°	159.0	140.9	108.5	82.2	69.3	64.8	63.3	65.6	69.3	71.6	71.6
25°	191.5	166.6	124.4	92.0	77.6	70.9	70.9	73.9	79.1	82.2	82.9
27.5°	227.6	193.7	138.7	104.0	86.7	77.6	78.4	84.4	90.4	95.0	95.0
30°	266.8	226.1	155.3	114.6	93.5	84.4	85.2	92.7	101.0	107.0	106.3
32.5°	313.6	260.0	172.6	125.1	100.2	89.7	92.0	103.3	113.1	120.6	119.8
35°	361.0	289.4	183.9	134.9	106.3	94.2	98.0	112.3	123.6	130.4	130.4
37.5°	398.0	313.6	190.7	140.2	111.6	98.0	102.5	118.3	130.4	136.4	135.7
40°	410.8	313.6	185.4	140.9	113.8	101.0	106.3	121.4	131.9	135.7	133.4
42.5°	430.4	319.6	177.9	136.4	114.6	103.3	107.8	121.4	128.1	128.9	127.4
45°	458.3	329.4	172.6	133.4	113.1	104.0	107.8	119.1	127.4	129.6	128.1
47.5°	493.7	339.2	166.6	131.9	113.1	104.0	107.8	121.4	129.6	129.6	128.1
50°	538.9	355.0	163.6	132.7	115.3	104.8	110.0	124.4	131.9	130.4	129.6
52.5°	573.6	358.8	158.3	134.9	117.6	106.3	112.3	127.4	134.2	131.2	130.4
55°	618.8	367.8	152.3	134.9	121.4	110.0	115.3	130.4	135.7	131.9	131.2
57.5°	665.6	377.6	151.5	134.2	122.9	113.1	118.3	132.7	137.2	134.2	133.4
60°	678.4	366.3	147.0	136.4	123.6	116.1	120.6	134.9	141.7	140.2	140.2
62.5°	688.9	357.3	141.7	135.7	125.9	116.1	122.9	138.7	149.2	149.2	149.2
65°	681.4	339.9	135.7	132.7	125.1	116.8	125.9	143.2	153.8	156.8	157.5
67.5°	649.7	315.8	129.6	128.1	121.4	116.8	126.6	143.2	156.0	160.5	160.5
70°	581.9	275.9	119.1	119.1	116.1	112.3	124.4	140.9	151.5	156.8	156.8
72.5°	487.7	228.4	103.3	107.0	106.3	105.5	118.3	133.4	140.2	144.7	144.0
75°	388.2	183.9	89.7	91.2	92.7	95.0	108.5	120.6	122.9	126.6	125.9
77.5°	304.5	147.0	76.1	77.6	79.1	84.4	97.2	104.8	106.3	108.5	107.8
80°	238.2	120.6	65.6	65.6	67.8	73.1	83.7	90.4	93.5	95.0	92.7
82.5°	185.4	98.7	58.0	55.8	58.0	62.6	70.9	76.9	79.1	79.1	78.4
85°	131.9	79.1	51.3	48.2	49.0	53.5	61.1	64.8	66.3	65.6	64.1
87.5°	96.5	64.8	45.2	40.7	41.5	47.5	52.8	55.0	55.8	56.5	55.0
90°	67.8	52.0	39.2	33.9	33.9	39.9	45.2	46.0	46.7	46.7	46.0
92.5°	48.2	40.7	32.4	27.9	27.9	33.2	36.9	36.2	36.9	36.2	34.7
95°	35.4	31.7	27.1	22.6	21.9	25.6	27.1	26.4	27.1	26.4	26.4
97.5°	27.9	25.6	22.6	18.8	17.3	19.6	20.4	20.4	21.9	20.4	20.4
100°	22.6	21.1	19.6	15.8	14.3	15.8	16.6	17.3	18.1	17.3	17.3
102.5°	18.8	18.1	16.6	14.3	12.8	13.6	14.3	15.1	15.8	15.8	15.1
105°	15.1	15.1	14.3	12.1	11.3	11.3	12.1	12.8	14.3	14.3	14.3
107.5°	12.1	12.8	12.1	10.6	9.8	9.8	10.6	11.3	12.1	12.8	12.8
110°	10.6	10.6	10.6	9.0	9.0	9.0	9.0	9.8	11.3	12.1	12.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.0	9.0	9.0	8.3	8.3	8.3	8.3	8.3	9.8	10.6	11.3
115°	8.3	8.3	8.3	7.5	7.5	7.5	7.5	7.5	9.0	9.8	9.8
117.5°	7.5	7.5	7.5	6.8	6.8	6.8	6.8	6.8	7.5	9.0	9.0
120°	6.8	6.8	6.8	6.0	6.0	6.0	6.0	6.0	6.8	8.3	8.3
122.5°	6.0	6.0	6.0	6.0	5.3	5.3	5.3	5.3	6.0	7.5	7.5
125°	5.3	6.0	5.3	5.3	5.3	5.3	4.5	5.3	6.0	6.8	6.8
127.5°	5.3	5.3	5.3	5.3	4.5	4.5	4.5	4.5	5.3	6.0	6.0
130°	5.3	5.3	5.3	4.5	4.5	3.8	3.8	4.5	4.5	5.3	5.3
132.5°	4.5	4.5	4.5	4.5	3.8	3.8	3.8	3.8	4.5	4.5	4.5
135°	4.5	4.5	3.8	3.8	3.8	3.0	3.0	3.0	3.8	4.5	4.5
137.5°	3.8	3.8	3.8	3.8	3.0	3.0	3.0	3.0	3.8	3.8	3.8
140°	3.0	3.0	3.0	3.0	3.0	2.3	2.3	2.3	3.0	3.0	3.0
142.5°	3.0	3.0	3.0	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0
145°	2.3	2.3	2.3	2.3	1.5	1.5	1.5	2.3	2.3	2.3	2.3
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
150°	1.5	1.5	1.5	1.5	0.8	0.8	0.8	1.5	1.5	1.5	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)