

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: P694526

Luminaire Tested: **LXF.LXT-PA16-20-730-U-SL3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-27)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-730-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2416 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

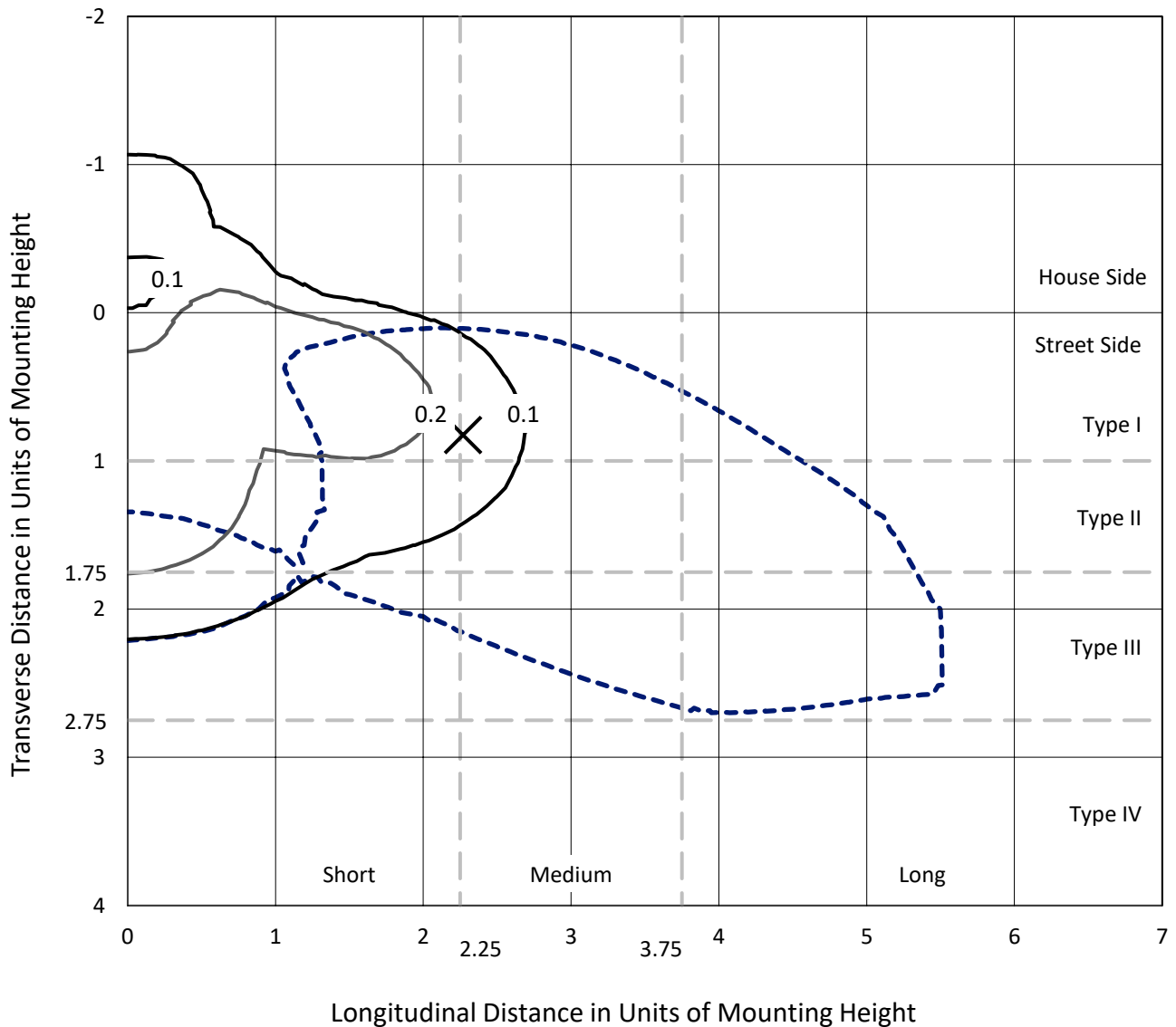
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

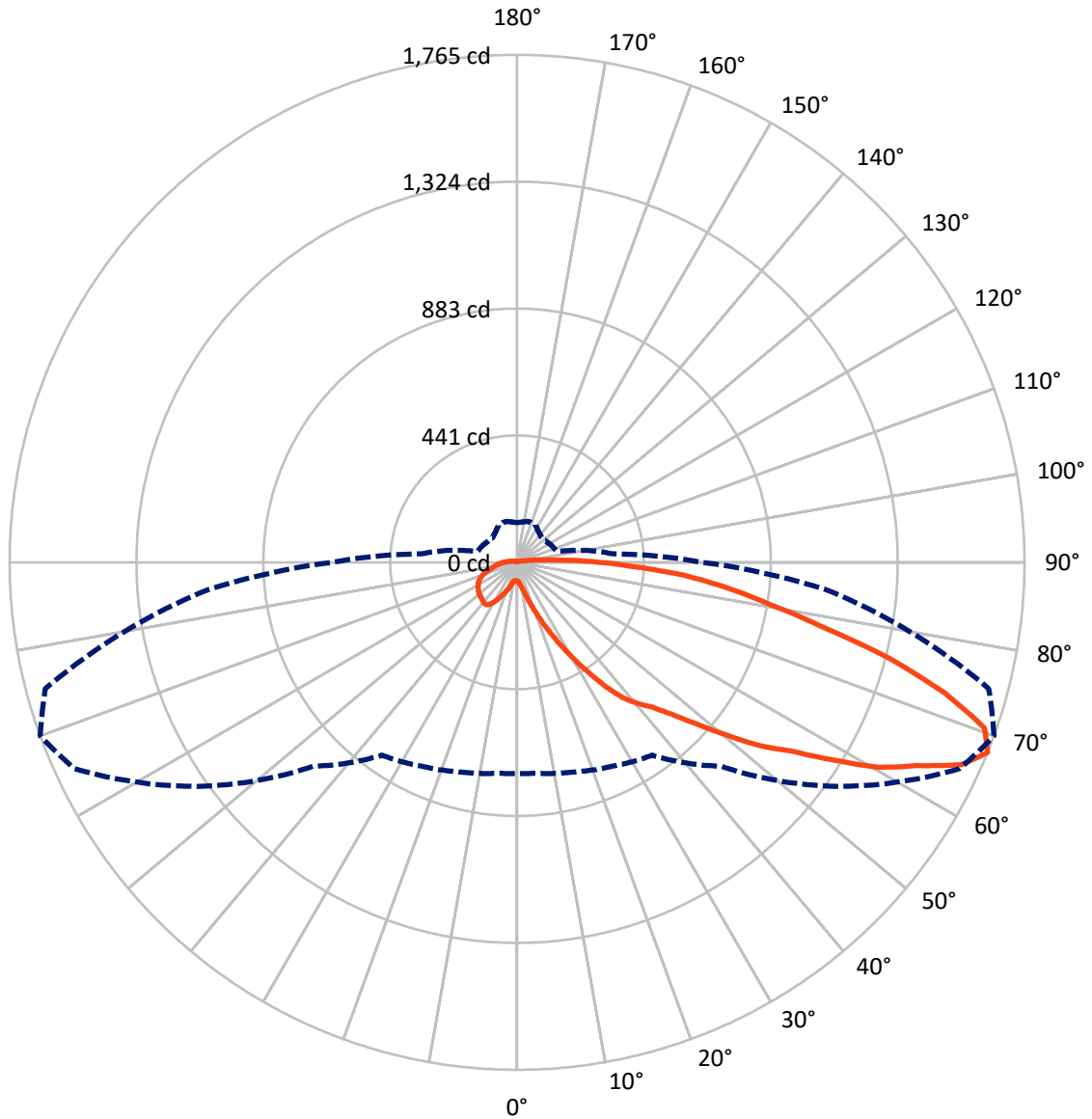
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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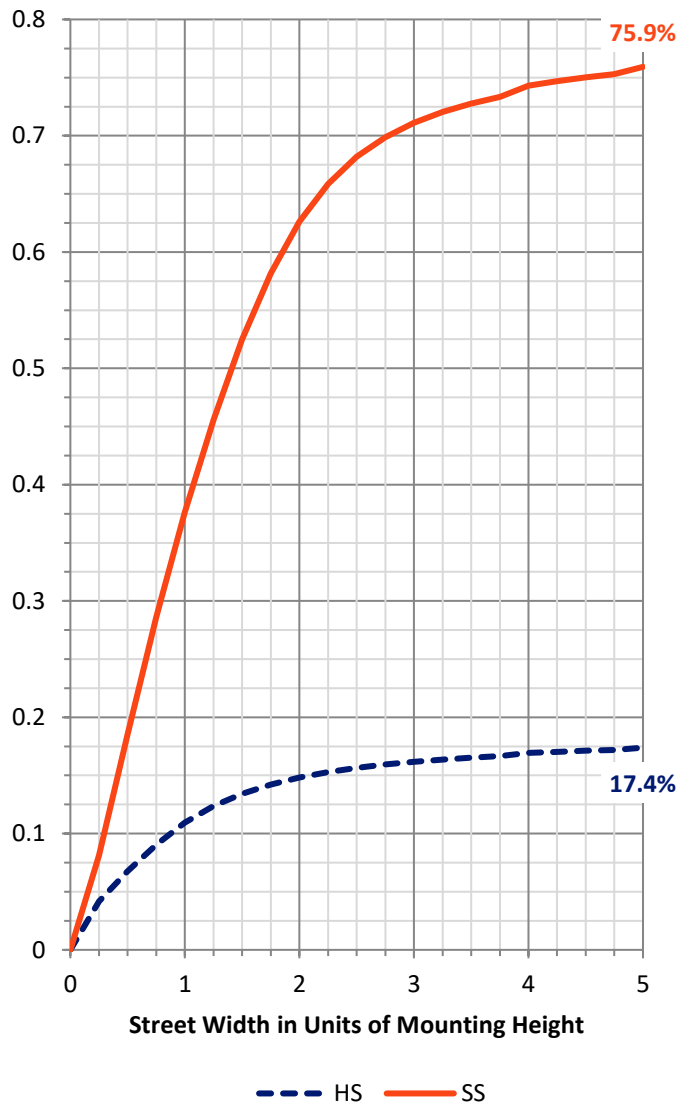
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	441.3	39.5	480.8
	% Fixture	18.3	1.6	19.9
Street Side	Lumens	1884.9	50.4	1935.3
	% Fixture	78.0	2.1	80.1
Total	Lumens	2326.2	89.8	2416.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	0.3
10°-20°	29.5	1.2
20°-30°	87.1	3.6
30°-40°	190.4	7.9
40°-50°	299.7	12.4
50°-60°	463.5	19.2
60°-70°	619.5	25.6
70°-80°	438.3	18.1
80°-90°	191.4	7.9
90°-100°	53.9	2.2
100°-110°	17.3	0.7
110°-120°	8.4	0.3
120°-130°	5.2	0.2
130°-140°	3.4	0.1
140°-150°	1.6	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2326.2	96.3
0°-180°	2416.0	100.0

Coefficient of Utilization

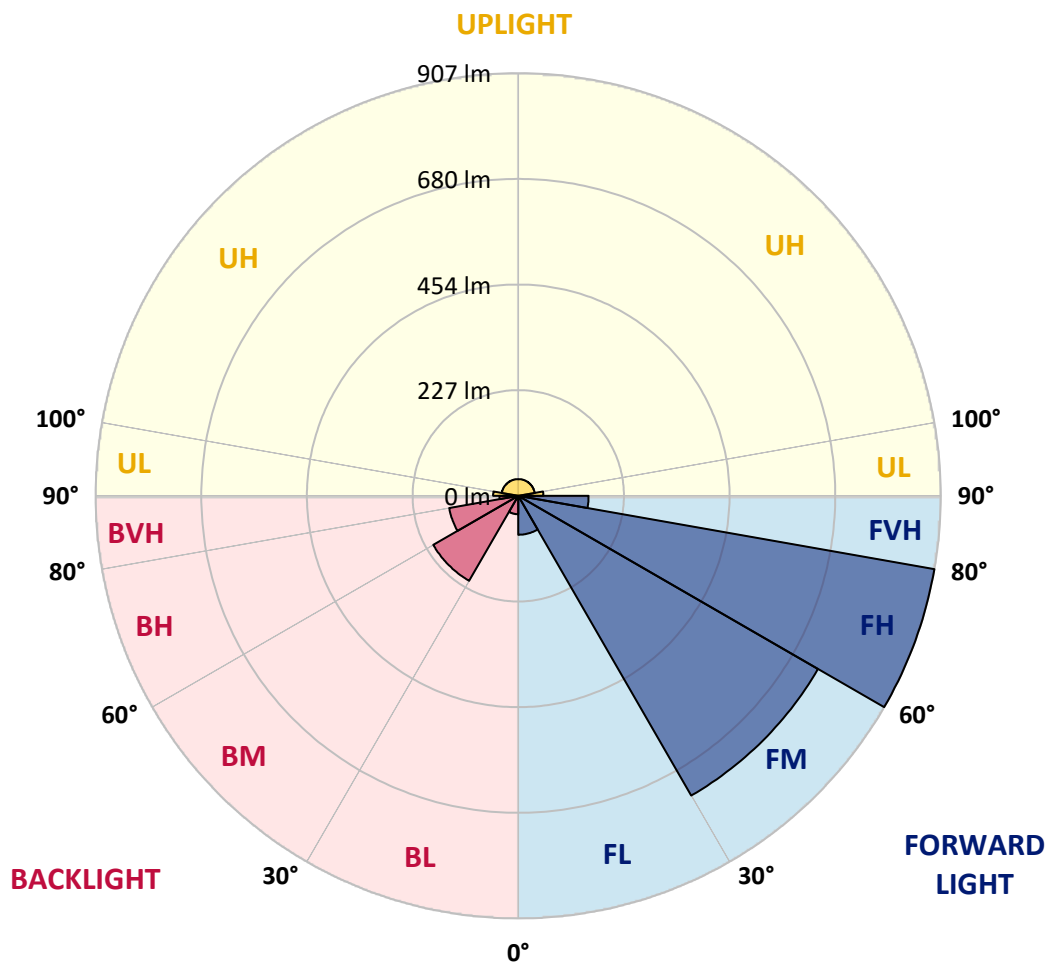


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.6	3.5			
FM (30°-60°)	743.0	30.8			
FH (60°-80°)	907.3	37.6			G1/1800
FVH (80°-90°)	151.0	6.2			G2/225
BL (0°-30°)	39.7	1.6	B0/110		
BM (30°-60°)	210.7	8.7	B0/220		
BH (60°-80°)	150.5	6.2	B1/500		G1/500
BVH (80°-90°)	40.4	1.7			G1/100
UL (90°-100°)	53.9	2.2		U3/500	
UH (100°-180°)	35.9	1.5		U2/50	

BUG Rating: B1-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
2.5°	69.4	69.4	70.3	69.4	69.4	69.4	68.5	67.6	66.7	66.7	65.7
5°	76.7	76.7	76.7	76.7	75.8	74.9	74.0	72.1	71.2	70.3	68.5
7.5°	85.8	85.8	85.8	85.8	84.9	84.0	81.3	78.5	77.6	76.7	73.0
10°	99.5	99.5	99.5	97.7	96.8	95.0	92.2	89.5	87.7	85.8	80.4
12.5°	117.8	116.9	116.9	115.1	111.4	107.7	106.8	104.1	102.3	100.4	94.0
15°	140.6	140.6	140.6	136.1	132.4	128.7	127.8	125.1	125.1	122.4	114.1
17.5°	166.2	166.2	162.5	158.0	155.2	153.4	154.3	153.4	152.5	148.8	137.9
20°	194.5	193.6	189.0	182.6	179.0	180.8	183.5	186.3	185.4	180.8	165.3
22.5°	231.0	229.2	221.0	211.8	203.6	206.4	215.5	224.6	227.4	220.1	200.9
25°	270.3	270.3	258.4	244.7	234.7	233.8	246.5	272.1	273.9	273.0	245.6
27.5°	322.3	319.6	303.1	283.1	263.9	264.8	284.9	318.7	329.6	328.7	292.2
30°	378.9	378.0	358.8	329.6	296.8	292.2	325.1	376.2	389.9	395.4	346.1
32.5°	422.8	427.3	403.6	375.3	332.4	320.5	361.6	430.1	457.5	459.3	396.3
35°	472.1	472.1	449.2	413.6	363.4	347.9	399.0	488.5	530.5	534.2	447.4
37.5°	492.2	498.6	481.2	447.4	392.6	371.6	437.4	554.2	597.2	609.9	484.9
40°	518.6	524.1	504.9	468.4	416.4	396.3	470.2	603.6	645.6	652.0	496.7
42.5°	569.8	574.3	546.0	494.9	436.5	417.3	494.0	636.4	687.6	697.6	516.8
45°	621.8	626.4	600.8	540.6	462.0	437.4	516.8	690.3	752.4	761.5	546.9
47.5°	692.1	694.0	660.2	591.7	500.4	461.1	551.5	762.4	840.0	851.0	588.0
50°	768.8	771.6	727.7	651.0	544.2	501.3	600.8	844.6	944.1	961.5	647.4
52.5°	845.5	837.3	798.0	718.6	602.6	549.7	658.3	949.6	1060.1	1070.1	702.2
55°	932.3	919.5	870.2	778.9	667.5	611.8	747.8	1051.0	1158.7	1166.0	762.4
57.5°	1022.7	1010.8	947.8	845.5	733.2	700.3	846.4	1162.4	1296.6	1315.8	854.7
60°	1038.2	1031.8	986.1	907.6	806.3	796.2	967.0	1309.4	1448.2	1449.1	932.3
62.5°	1019.0	1016.3	974.3	920.4	862.0	895.7	1127.7	1449.1	1557.7	1547.7	1001.7
65°	926.8	916.7	916.7	890.3	876.6	986.1	1269.2	1581.5	1697.4	1666.4	1067.4
67.5°	735.0	736.0	755.1	782.5	819.0	1002.6	1358.7	1698.4	1765.0	1698.4	1074.7
70°	517.7	531.4	572.5	633.7	705.8	928.6	1363.3	1684.7	1723.9	1658.2	1027.2
72.5°	378.9	368.0	399.9	455.6	564.3	799.0	1246.4	1554.1	1555.9	1459.1	889.4
75°	256.6	257.5	280.3	328.7	410.0	650.1	1082.9	1345.9	1340.4	1229.0	741.4
77.5°	170.7	172.6	193.6	231.9	308.6	521.4	905.8	1113.1	1088.4	1012.6	594.4
80°	116.9	121.4	133.3	160.7	224.6	412.7	743.3	913.1	893.0	820.0	479.4
82.5°	84.0	84.9	96.8	117.8	160.7	315.9	605.4	766.1	738.7	660.2	382.6
85°	63.9	63.9	72.1	86.7	116.0	241.1	483.0	609.9	585.3	510.4	285.8
87.5°	46.6	47.5	53.0	65.7	85.8	182.6	370.7	438.3	399.0	352.5	196.3
90°	30.1	32.0	35.6	47.5	63.9	129.7	258.4	286.7	260.2	218.2	126.9
92.5°	19.2	19.2	22.8	32.0	46.6	88.6	162.5	169.8	147.0	133.3	77.6
95°	12.8	13.7	16.4	21.9	32.9	60.3	97.7	98.6	86.7	73.0	49.3
97.5°	11.0	11.0	12.8	16.4	24.7	41.1	57.5	55.7	50.2	44.7	34.7
100°	9.1	9.1	11.0	13.7	20.1	30.1	36.5	35.6	32.9	32.0	27.4
102.5°	8.2	8.2	9.1	11.9	16.4	23.7	26.5	24.7	23.7	23.7	21.0
105°	7.3	7.3	8.2	10.0	13.7	19.2	20.1	18.3	18.3	17.3	16.4
107.5°	6.4	6.4	7.3	8.2	11.9	15.5	15.5	13.7	13.7	13.7	13.7
110°	6.4	6.4	6.4	7.3	10.0	12.8	12.8	11.0	11.0	10.0	11.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	5.5	5.5	5.5	7.3	9.1	11.0	10.0	9.1	8.2	8.2	9.1
115°	5.5	4.6	5.5	6.4	8.2	9.1	9.1	7.3	7.3	7.3	8.2
117.5°	4.6	4.6	4.6	5.5	7.3	8.2	7.3	6.4	6.4	6.4	7.3
120°	4.6	4.6	4.6	5.5	7.3	7.3	6.4	5.5	5.5	5.5	6.4
122.5°	4.6	4.6	4.6	5.5	6.4	6.4	6.4	5.5	5.5	5.5	6.4
125°	4.6	4.6	4.6	5.5	6.4	6.4	5.5	4.6	4.6	4.6	6.4
127.5°	4.6	4.6	4.6	5.5	5.5	5.5	4.6	4.6	4.6	4.6	5.5
130°	4.6	4.6	4.6	5.5	5.5	4.6	4.6	4.6	4.6	4.6	5.5
132.5°	4.6	4.6	4.6	5.5	5.5	4.6	4.6	3.7	4.6	4.6	5.5
135°	4.6	4.6	4.6	4.6	4.6	3.7	3.7	3.7	3.7	4.6	4.6
137.5°	4.6	4.6	4.6	4.6	4.6	3.7	2.7	3.7	3.7	3.7	4.6
140°	3.7	3.7	3.7	3.7	3.7	2.7	2.7	2.7	2.7	3.7	3.7
142.5°	3.7	3.7	3.7	3.7	2.7	2.7	1.8	2.7	2.7	2.7	3.7
145°	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	1.8	1.8	1.8
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°	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
2.5°	65.7	64.8	64.8	63.9	63.0	63.0	63.0	63.0	62.1	62.1	62.1
5°	67.6	66.7	64.8	63.0	61.2	59.4	59.4	58.4	58.4	57.5	56.6
7.5°	71.2	69.4	65.7	63.0	60.3	57.5	56.6	55.7	54.8	53.9	53.9
10°	78.5	74.9	69.4	63.9	59.4	55.7	53.9	53.0	52.0	51.1	51.1
12.5°	89.5	85.8	76.7	67.6	60.3	55.7	53.0	52.0	51.1	51.1	51.1
15°	107.7	101.4	87.7	74.9	63.0	56.6	53.9	54.8	56.6	56.6	56.6
17.5°	128.7	120.5	100.4	83.1	68.5	61.2	59.4	61.2	63.0	63.9	63.9
20°	153.4	140.6	114.1	91.3	74.9	69.4	67.6	69.4	72.1	74.0	74.0
22.5°	184.4	164.4	128.7	99.5	83.1	77.6	76.7	78.5	82.2	85.8	84.9
25°	220.1	193.6	145.2	108.7	94.0	86.7	87.7	91.3	97.7	101.4	103.2
27.5°	259.3	223.7	161.6	121.4	104.1	96.8	98.6	105.0	115.1	121.4	121.4
30°	301.3	252.9	178.1	134.2	115.1	106.8	110.5	122.4	133.3	141.5	141.5
32.5°	342.4	281.2	190.8	148.8	126.9	116.9	122.4	137.9	152.5	161.6	162.5
35°	374.4	298.6	197.2	159.8	137.0	125.1	132.4	154.3	173.5	183.5	184.4
37.5°	392.6	304.1	198.1	168.0	145.2	132.4	142.4	168.0	189.0	199.1	199.1
40°	389.9	293.1	191.8	172.6	150.7	138.8	151.6	180.8	201.8	209.1	207.3
42.5°	395.4	288.5	187.2	170.7	152.5	142.4	157.1	187.2	204.5	207.3	205.4
45°	401.8	282.1	182.6	168.9	151.6	144.3	159.8	187.2	201.8	200.9	199.1
47.5°	419.1	281.2	179.9	168.0	150.7	143.4	159.8	186.3	197.2	192.7	190.8
50°	442.9	284.9	178.1	166.2	149.7	141.5	158.0	184.4	194.5	189.9	188.1
52.5°	464.8	286.7	174.4	164.4	148.8	140.6	157.1	184.4	192.7	183.5	180.8
55°	493.1	295.8	169.8	160.7	147.0	138.8	156.1	182.6	184.4	173.5	171.7
57.5°	545.1	313.2	166.2	156.1	144.3	137.9	154.3	176.2	179.0	168.9	166.2
60°	583.5	326.0	162.5	152.5	139.7	135.1	149.7	172.6	173.5	159.8	157.1
62.5°	617.3	335.1	156.1	147.9	137.0	132.4	145.2	164.4	161.6	149.7	148.8
65°	650.1	342.4	151.6	141.5	131.5	126.9	139.7	153.4	154.3	144.3	142.4
67.5°	643.7	335.1	142.4	134.2	125.1	120.5	129.7	146.1	147.0	139.7	137.9
70°	605.4	310.5	131.5	126.0	116.0	111.4	119.6	136.1	138.8	133.3	132.4
72.5°	524.1	268.5	116.9	114.1	105.9	101.4	109.6	123.3	127.8	123.3	121.4
75°	441.0	226.4	104.1	101.4	95.9	91.3	97.7	110.5	116.0	115.1	115.1
77.5°	353.4	181.7	92.2	90.4	85.8	82.2	87.7	98.6	105.9	106.8	105.0
80°	284.0	147.9	81.3	80.4	77.6	74.9	77.6	86.7	95.0	96.8	95.9
82.5°	228.3	123.3	72.1	72.1	69.4	67.6	69.4	77.6	87.7	91.3	90.4
85°	175.3	101.4	64.8	63.9	62.1	61.2	63.0	68.5	79.4	84.0	84.0
87.5°	127.8	80.4	57.5	55.7	54.8	54.8	55.7	61.2	71.2	74.9	74.0
90°	88.6	62.1	49.3	47.5	46.6	47.5	49.3	53.9	61.2	62.1	62.1
92.5°	60.3	47.5	41.1	39.3	39.3	41.1	42.9	46.6	51.1	50.2	49.3
95°	42.0	35.6	32.9	32.0	32.0	33.8	35.6	39.3	42.0	40.2	39.3
97.5°	31.0	28.3	27.4	26.5	25.6	28.3	29.2	31.0	33.8	32.9	32.0
100°	24.7	23.7	22.8	21.9	21.0	22.8	23.7	25.6	27.4	25.6	25.6
102.5°	20.1	20.1	19.2	18.3	18.3	19.2	20.1	21.0	21.9	21.0	20.1
105°	16.4	16.4	16.4	15.5	15.5	16.4	17.3	17.3	18.3	16.4	16.4
107.5°	13.7	13.7	14.6	13.7	13.7	14.6	14.6	14.6	14.6	13.7	13.7
110°	11.9	11.9	11.9	11.9	11.9	12.8	12.8	12.8	12.8	11.9	11.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.0	10.0	10.0	10.0	10.0	11.0	11.0	11.0	11.0	10.0	10.0
115°	8.2	9.1	9.1	9.1	9.1	9.1	10.0	9.1	9.1	9.1	9.1
117.5°	7.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
120°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	8.2	8.2
122.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	7.3	7.3	7.3
125°	6.4	6.4	6.4	6.4	5.5	5.5	6.4	6.4	6.4	6.4	6.4
127.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	6.4
130°	5.5	5.5	5.5	5.5	4.6	4.6	4.6	5.5	5.5	5.5	5.5
132.5°	5.5	5.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.5	5.5
135°	4.6	4.6	4.6	4.6	3.7	3.7	4.6	4.6	4.6	4.6	4.6
137.5°	4.6	4.6	3.7	3.7	3.7	3.7	3.7	3.7	4.6	4.6	4.6
140°	3.7	3.7	3.7	2.7	2.7	2.7	3.7	3.7	3.7	3.7	3.7
142.5°	3.7	2.7	2.7	2.7	1.8	1.8	2.7	3.7	3.7	3.7	3.7
145°	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7	2.7
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7	2.7
150°	1.8	1.8	1.8	0.9	0.9	0.9	1.8	2.7	2.7	1.8	1.8
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)