

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: P694677

Luminaire Tested: **LXF.LXT-PA16-20-827-U-SL3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)
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-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2058 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U2 - G1

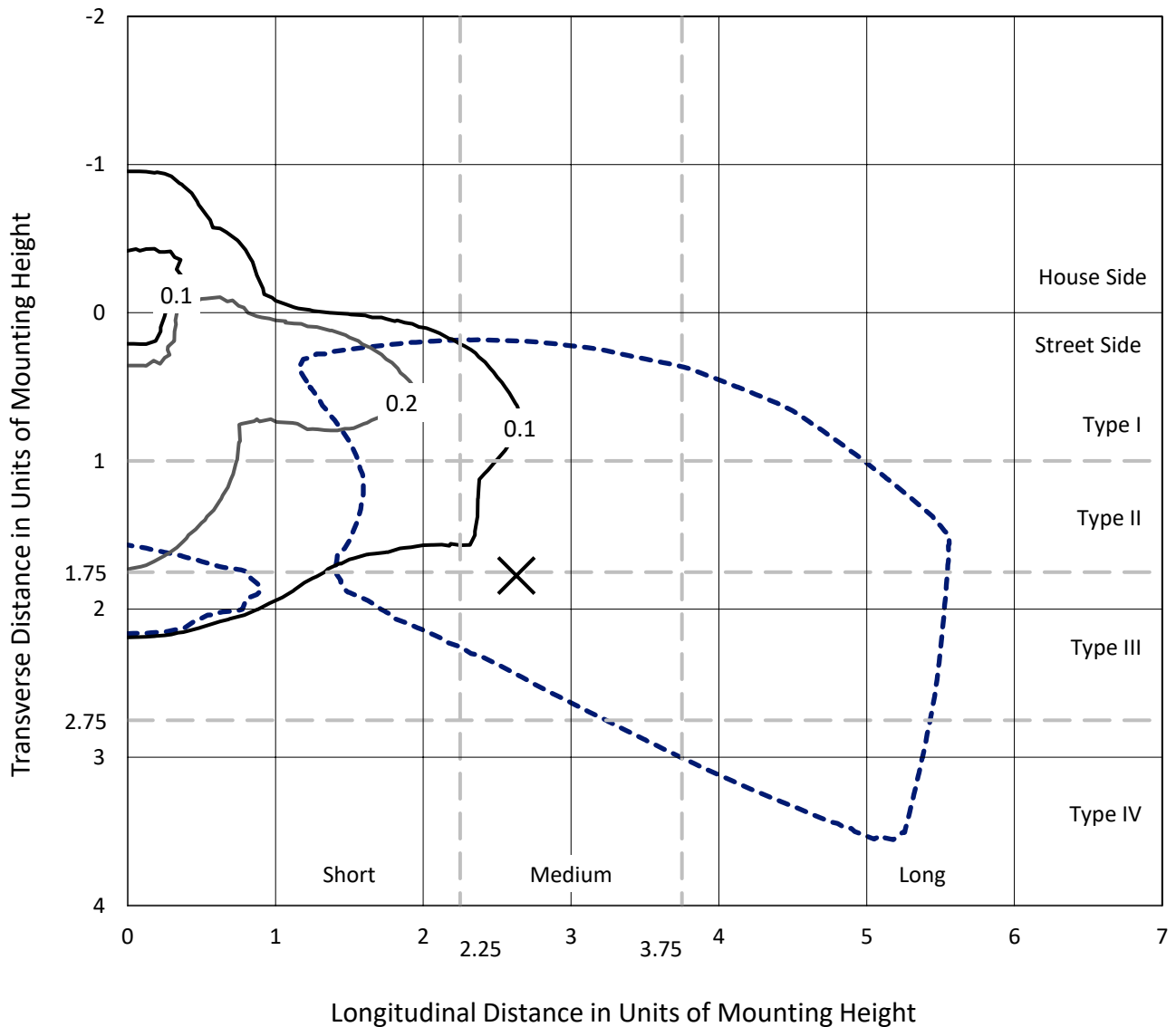
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

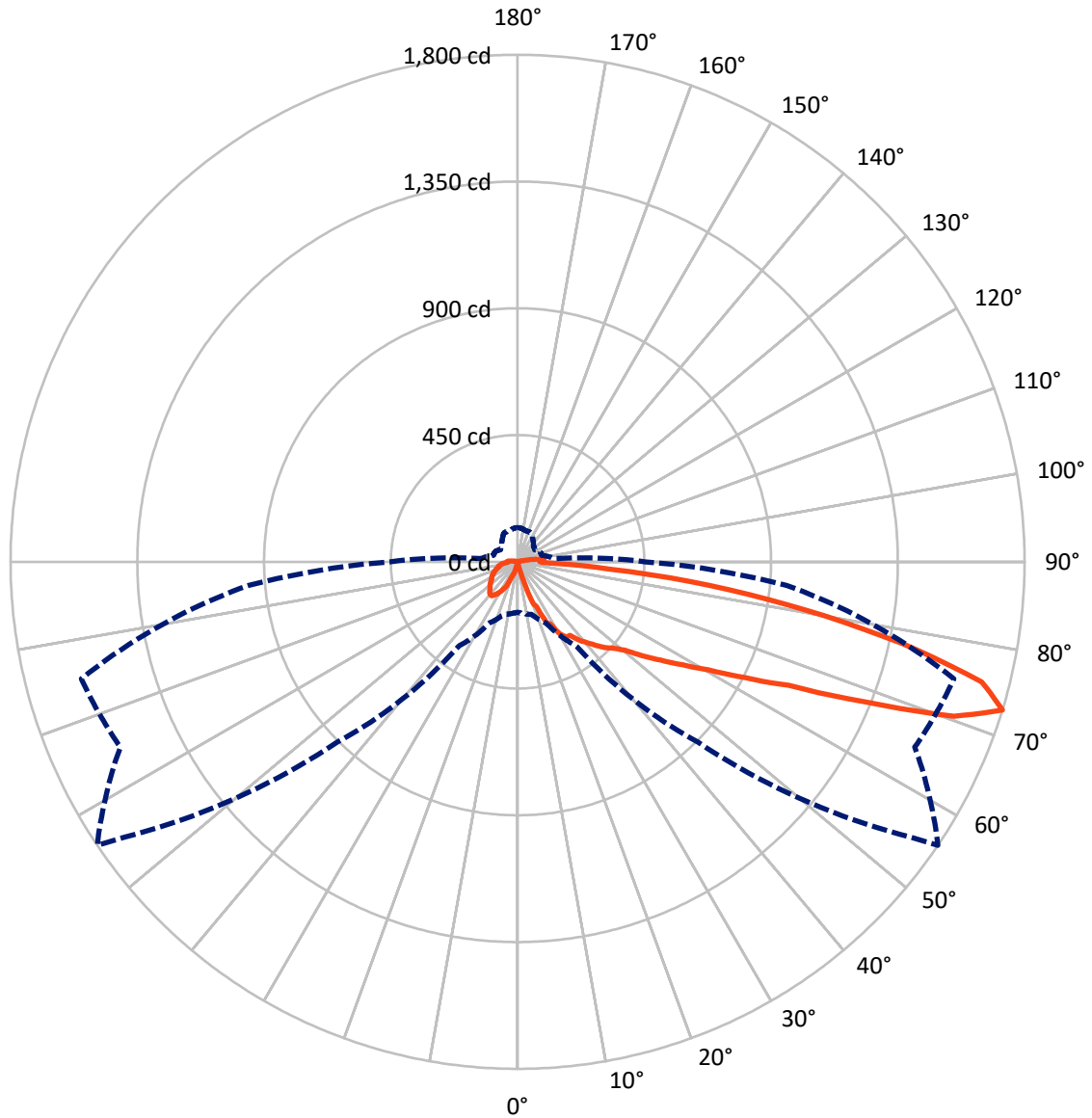
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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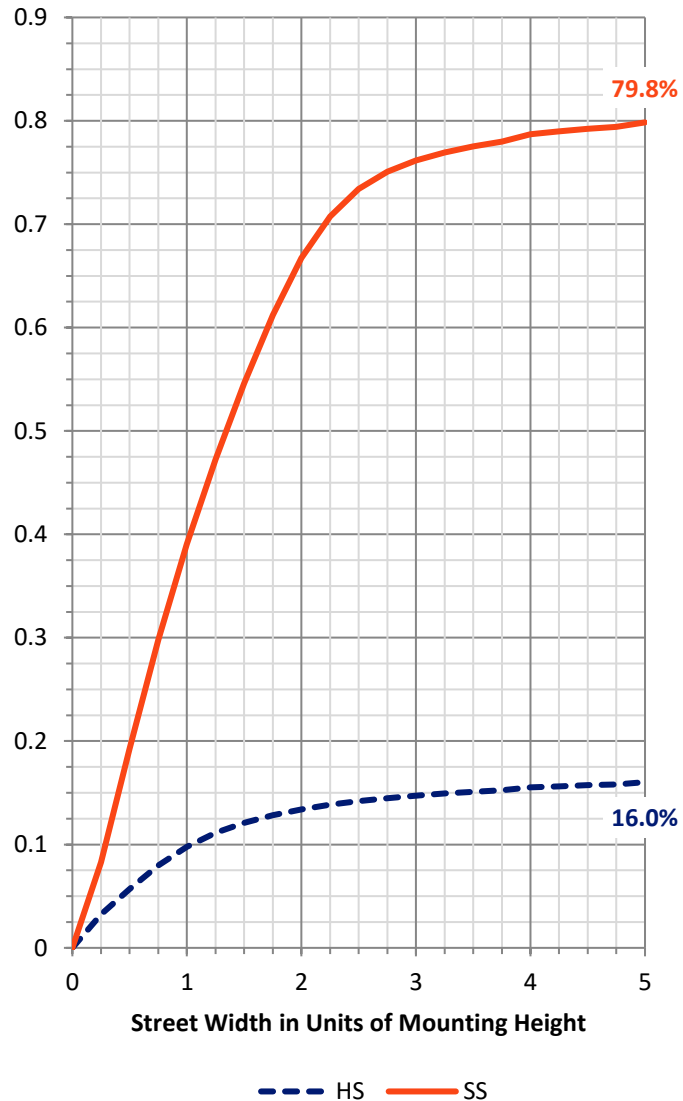
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	351.6	22.3	373.9
	% Fixture	17.1	1.1	18.2
Street Side	Lumens	1660.7	23.5	1684.2
	% Fixture	80.7	1.1	81.8
Total	Lumens	2012.3	45.8	2058.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	16.9	0.8
20°-30°	79.5	3.9
30°-40°	175.2	8.5
40°-50°	262.6	12.8
50°-60°	386.8	18.8
60°-70°	537.0	26.1
70°-80°	432.7	21.0
80°-90°	121.2	5.9
90°-100°	32.7	1.6
100°-110°	6.3	0.3
110°-120°	2.5	0.1
120°-130°	1.9	0.1
130°-140°	1.3	0.1
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2012.3	97.8
0°-180°	2058.0	100.0

Coefficient of Utilization



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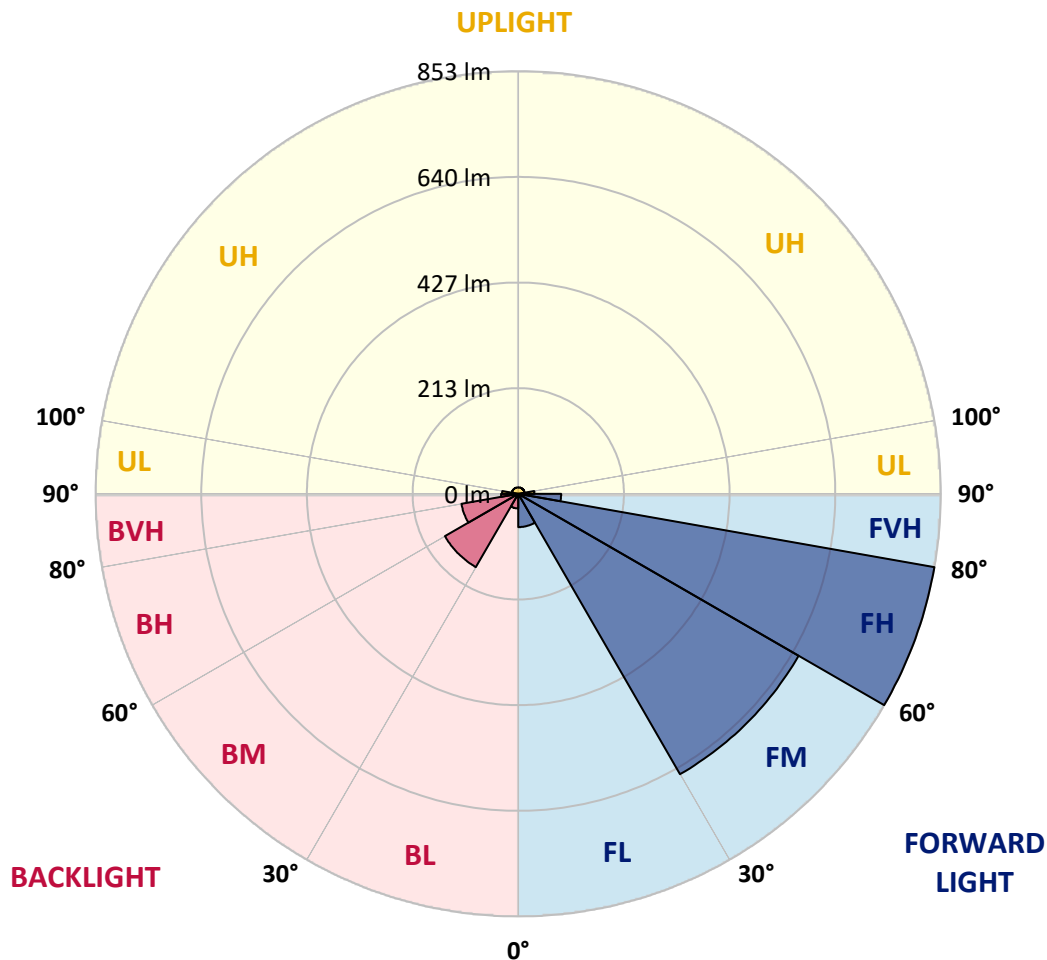
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	67.2	3.3			
FM (30°-60°)	653.6	31.8			
FH (60°-80°)	853.3	41.5			G1/1800
FVH (80°-90°)	86.5	4.2			G1/100
BL (0°-30°)	29.5	1.4	B0/110		
BM (30°-60°)	170.9	8.3	B0/220		
BH (60°-80°)	116.4	5.7	B1/500		G1/500
BVH (80°-90°)	34.7	1.7			G1/100
UL (90°-100°)	32.7	1.6		U2/50	
UH (100°-180°)	13.1	0.6		U2/50	

BUG Rating: B1-U2-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
5°	2.3	2.3	2.3	2.3	3.0	3.0	2.3	2.3	2.3	2.3	2.3
7.5°	3.8	3.8	3.0	3.0	3.0	3.0	3.0	3.0	2.3	2.3	2.3
10°	21.9	21.1	18.8	12.8	7.5	3.8	3.0	3.0	3.0	3.0	3.8
12.5°	95.7	95.0	95.7	89.7	24.1	12.8	6.0	6.0	9.0	12.1	15.8
15°	101.0	101.7	101.7	98.7	98.7	42.2	23.4	32.4	92.7	101.0	98.7
17.5°	132.6	128.1	110.0	105.5	107.8	107.0	92.7	92.7	107.8	113.8	112.3
20°	156.0	156.0	156.7	155.2	115.3	147.7	159.0	159.8	127.4	176.3	190.7
22.5°	174.8	176.3	168.8	162.8	175.6	153.0	172.6	172.6	215.5	241.9	232.1
25°	242.7	241.9	228.3	182.4	182.4	185.4	234.4	238.9	269.8	269.0	258.5
27.5°	279.6	279.6	264.5	237.4	202.0	211.8	241.2	251.7	306.0	388.9	351.9
30°	377.6	379.1	345.9	283.4	244.2	225.3	279.6	298.4	383.6	408.4	365.5
32.5°	406.2	406.9	409.2	362.5	282.6	250.2	305.2	318.8	411.5	517.0	460.4
35°	414.5	416.0	416.0	382.8	354.2	290.9	310.5	320.3	489.8	544.9	461.2
37.5°	441.6	440.9	434.8	396.4	382.1	321.8	342.9	352.7	522.2	586.3	458.9
40°	480.0	480.0	470.2	422.8	393.4	353.4	365.5	376.0	559.9	635.3	460.4
42.5°	524.5	520.7	509.4	452.9	411.5	373.0	395.6	404.7	599.1	697.1	462.7
45°	578.0	574.2	551.6	495.1	443.1	381.3	417.5	434.8	643.6	762.6	476.3
47.5°	629.3	627.7	602.1	537.3	474.8	393.4	434.1	458.2	697.1	846.3	502.6
50°	692.6	685.0	651.9	578.8	503.4	416.7	477.0	492.9	753.6	926.9	542.6
52.5°	749.8	736.3	701.6	621.0	538.1	449.1	542.6	553.1	818.4	1011.3	588.6
55°	805.6	786.0	738.5	664.7	571.2	486.8	613.4	615.7	892.3	1098.0	645.1
57.5°	889.2	868.9	800.3	705.4	614.9	535.1	682.0	689.5	965.4	1195.2	711.4
60°	1005.3	991.0	908.1	801.8	692.6	599.1	764.1	779.2	1037.7	1292.4	777.0
62.5°	1049.8	1033.2	970.6	896.8	803.3	714.4	865.9	906.6	1103.3	1390.4	853.1
65°	929.2	929.2	896.0	900.5	872.7	899.0	1010.6	1058.1	1180.1	1468.0	918.6
67.5°	604.4	607.4	628.5	718.2	817.7	1048.3	1260.0	1325.6	1296.9	1551.7	973.6
70°	274.3	284.9	330.8	455.2	622.5	1057.3	1547.1	1642.8	1432.6	1608.9	993.2
72.5°	179.4	183.1	193.7	240.4	366.2	905.8	1706.1	1800.3	1556.2	1603.7	957.8
75°	150.0	147.7	153.7	170.3	184.6	621.7	1623.2	1701.6	1540.4	1508.7	871.9
77.5°	124.3	122.1	128.1	137.2	109.3	341.4	1349.7	1394.9	1332.4	1289.4	711.4
80°	95.7	95.7	98.7	110.8	79.9	165.8	1003.0	1036.9	986.5	920.9	425.8
82.5°	65.6	64.8	71.6	85.2	64.1	95.7	685.0	685.8	589.3	448.4	200.5
85°	29.4	29.4	35.4	49.0	37.7	59.5	312.7	324.0	200.5	143.2	89.7
87.5°	9.8	9.8	10.6	12.1	12.8	27.9	87.4	88.9	77.6	88.2	66.3
90°	9.0	9.0	9.0	9.0	9.8	27.1	78.4	78.4	69.3	82.1	66.3
92.5°	9.0	9.0	8.3	7.5	8.3	24.9	86.7	93.4	76.1	85.9	69.3
95°	9.0	9.0	7.5	6.8	7.5	18.1	86.7	92.7	79.9	74.6	62.5
97.5°	6.0	6.0	5.3	5.3	6.0	10.6	63.3	65.6	51.2	37.7	37.7
100°	5.3	5.3	3.8	3.8	4.5	6.0	33.9	36.2	24.9	12.1	12.1
102.5°	5.3	5.3	3.0	3.0	3.0	3.8	9.8	10.6	9.0	5.3	6.0
105°	6.0	6.0	3.0	2.3	2.3	3.0	4.5	4.5	5.3	4.5	6.0
107.5°	5.3	5.3	2.3	2.3	2.3	2.3	2.3	2.3	3.0	4.5	6.0
110°	3.8	3.0	2.3	2.3	1.5	2.3	2.3	2.3	2.3	3.8	5.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	2.3	2.3	1.5	1.5	1.5	2.3	1.5	1.5	2.3	3.0	4.5
115°	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.8
117.5°	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	4.5
120°	2.3	2.3	1.5	0.8	1.5	1.5	1.5	1.5	1.5	3.0	4.5
122.5°	2.3	2.3	1.5	0.8	1.5	1.5	1.5	1.5	1.5	3.0	4.5
125°	2.3	2.3	1.5	0.8	1.5	0.8	1.5	1.5	1.5	3.0	3.8
127.5°	2.3	1.5	1.5	0.8	1.5	1.5	1.5	1.5	1.5	2.3	3.8
130°	1.5	1.5	1.5	0.8	1.5	1.5	1.5	1.5	1.5	2.3	3.8
132.5°	1.5	1.5	1.5	0.8	1.5	1.5	1.5	1.5	1.5	2.3	3.0
135°	1.5	1.5	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	2.3
137.5°	1.5	1.5	1.5	0.8	1.5	1.5	1.5	1.5	1.5	1.5	2.3
140°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
145°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3
147.5°	1.5	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3
150°	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3
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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	2.3	2.3	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3
5°	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
7.5°	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
10°	3.0	3.0	2.3	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
12.5°	18.1	15.8	12.1	6.8	3.0	1.5	1.5	1.5	2.3	3.0	3.0
15°	94.2	88.2	70.8	46.7	15.1	3.8	2.3	6.8	21.1	28.6	27.9
17.5°	107.8	98.7	73.9	51.2	41.4	18.8	19.6	35.4	41.4	44.5	43.7
20°	186.1	153.7	91.2	59.5	48.2	45.2	39.9	45.2	51.2	55.0	55.8
22.5°	211.8	176.3	108.5	88.9	61.8	64.1	59.5	57.3	81.4	87.4	88.9
25°	229.1	183.1	113.8	100.2	94.2	74.6	82.1	84.4	94.2	98.0	98.7
27.5°	293.9	215.5	140.2	114.5	105.5	94.2	97.2	97.2	107.8	125.9	126.6
30°	290.1	202.7	147.0	134.1	118.3	110.8	106.3	123.6	137.2	140.9	141.7
32.5°	339.9	219.3	164.3	141.7	131.9	117.6	125.9	135.6	143.9	154.5	160.5
35°	311.2	198.2	171.1	159.0	139.4	128.9	136.4	145.4	173.3	182.4	182.4
37.5°	279.6	180.9	165.0	160.5	150.0	137.2	139.4	164.3	177.1	173.3	173.3
40°	250.9	168.8	159.8	157.5	150.7	137.2	147.7	159.8	171.8	168.8	168.8
42.5°	232.9	161.3	154.5	153.0	147.7	134.9	143.2	157.5	171.1	165.8	165.0
45°	226.1	154.5	150.7	147.7	139.4	129.6	140.2	159.0	169.6	163.5	162.8
47.5°	232.9	150.7	147.0	143.2	132.6	121.3	141.7	156.7	166.5	157.5	156.0
50°	254.7	150.7	142.4	137.2	127.4	121.3	139.4	151.5	159.0	148.5	146.2
52.5°	283.4	153.7	137.9	130.4	122.1	120.6	136.4	148.5	153.0	141.7	140.9
55°	322.5	159.0	131.9	125.1	113.8	117.6	136.4	149.2	147.7	134.9	134.1
57.5°	362.5	165.0	126.6	121.3	108.5	113.8	134.9	150.0	140.9	125.1	125.1
60°	405.4	172.6	119.8	116.8	104.8	108.5	130.4	148.5	134.1	117.6	117.6
62.5°	448.4	176.3	114.5	112.3	100.2	103.2	125.1	143.9	131.9	116.1	116.1
65°	483.1	172.6	109.3	106.3	94.2	97.2	117.6	140.2	128.1	116.8	117.6
67.5°	502.6	162.0	104.0	101.7	88.2	91.2	108.5	131.9	122.1	116.1	117.6
70°	493.6	143.9	97.2	94.2	82.1	85.9	100.2	122.1	118.3	116.1	118.3
72.5°	454.4	130.4	88.9	87.4	74.6	79.9	95.0	113.8	113.8	120.6	121.3
75°	404.7	116.1	82.1	80.6	69.3	73.1	92.7	104.0	106.3	115.3	117.6
77.5°	328.6	97.2	72.3	73.9	67.8	67.8	88.2	98.0	100.2	110.8	111.5
80°	201.2	71.6	62.5	66.3	62.5	64.8	82.9	91.2	92.7	107.0	108.5
82.5°	100.2	50.5	53.5	58.8	55.8	64.1	79.1	86.7	94.2	108.5	109.3
85°	51.2	30.9	40.7	47.5	48.2	70.8	77.6	89.7	88.2	98.0	100.2
87.5°	32.4	15.8	23.4	25.6	36.2	67.1	68.6	73.9	72.3	83.6	83.6
90°	31.7	12.8	20.3	19.6	36.2	57.3	52.8	53.5	57.3	70.8	71.6
92.5°	33.2	12.1	21.1	19.6	38.4	45.2	42.2	40.7	45.2	53.5	55.0
95°	29.4	11.3	22.6	21.1	33.2	30.1	27.1	30.1	29.4	29.4	30.1
97.5°	17.3	8.3	21.9	21.1	26.4	15.8	18.1	22.6	17.3	12.8	12.1
100°	7.5	5.3	21.1	20.3	16.6	9.8	15.1	18.8	12.8	5.3	5.3
102.5°	4.5	4.5	15.1	18.8	9.8	5.3	11.3	12.8	7.5	4.5	4.5
105°	4.5	4.5	7.5	11.3	3.8	3.0	5.3	6.0	3.8	3.8	3.8
107.5°	4.5	4.5	3.8	3.8	3.0	3.0	3.0	3.0	3.0	3.8	3.8
110°	4.5	4.5	3.0	3.8	3.0	2.3	2.3	2.3	3.0	3.8	3.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.8	3.8	3.0	3.0	2.3	2.3	2.3	2.3	3.0	3.8	3.8
115°	3.8	3.8	3.0	2.3	2.3	2.3	2.3	2.3	3.0	3.8	3.8
117.5°	3.8	3.0	2.3	2.3	2.3	2.3	2.3	2.3	3.0	4.5	4.5
120°	3.8	3.0	2.3	2.3	1.5	1.5	2.3	2.3	3.0	4.5	4.5
122.5°	3.8	3.8	2.3	2.3	1.5	1.5	1.5	2.3	3.0	4.5	4.5
125°	3.8	3.0	2.3	2.3	1.5	1.5	1.5	1.5	3.0	4.5	4.5
127.5°	3.8	3.0	2.3	1.5	1.5	1.5	1.5	1.5	3.0	4.5	4.5
130°	3.0	3.0	2.3	1.5	1.5	1.5	1.5	1.5	3.0	3.8	4.5
132.5°	3.0	2.3	1.5	1.5	1.5	1.5	1.5	1.5	2.3	3.8	3.8
135°	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	2.3	3.0	3.0
137.5°	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
140°	1.5	1.5	1.5	1.5	0.8	0.8	1.5	1.5	1.5	2.3	2.3
142.5°	1.5	1.5	1.5	1.5	0.8	1.5	1.5	1.5	2.3	2.3	2.3
145°	2.3	1.5	1.5	1.5	0.8	0.8	1.5	1.5	2.3	2.3	2.3
147.5°	2.3	1.5	1.5	1.5	0.8	0.8	1.5	1.5	2.3	2.3	2.3
150°	2.3	2.3	1.5	1.5	0.8	0.8	1.5	1.5	2.3	2.3	2.3
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)