

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: P694507

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T2U-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-727-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2484 lumens
Efficiency: N/A
Efficacy: 113.9 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

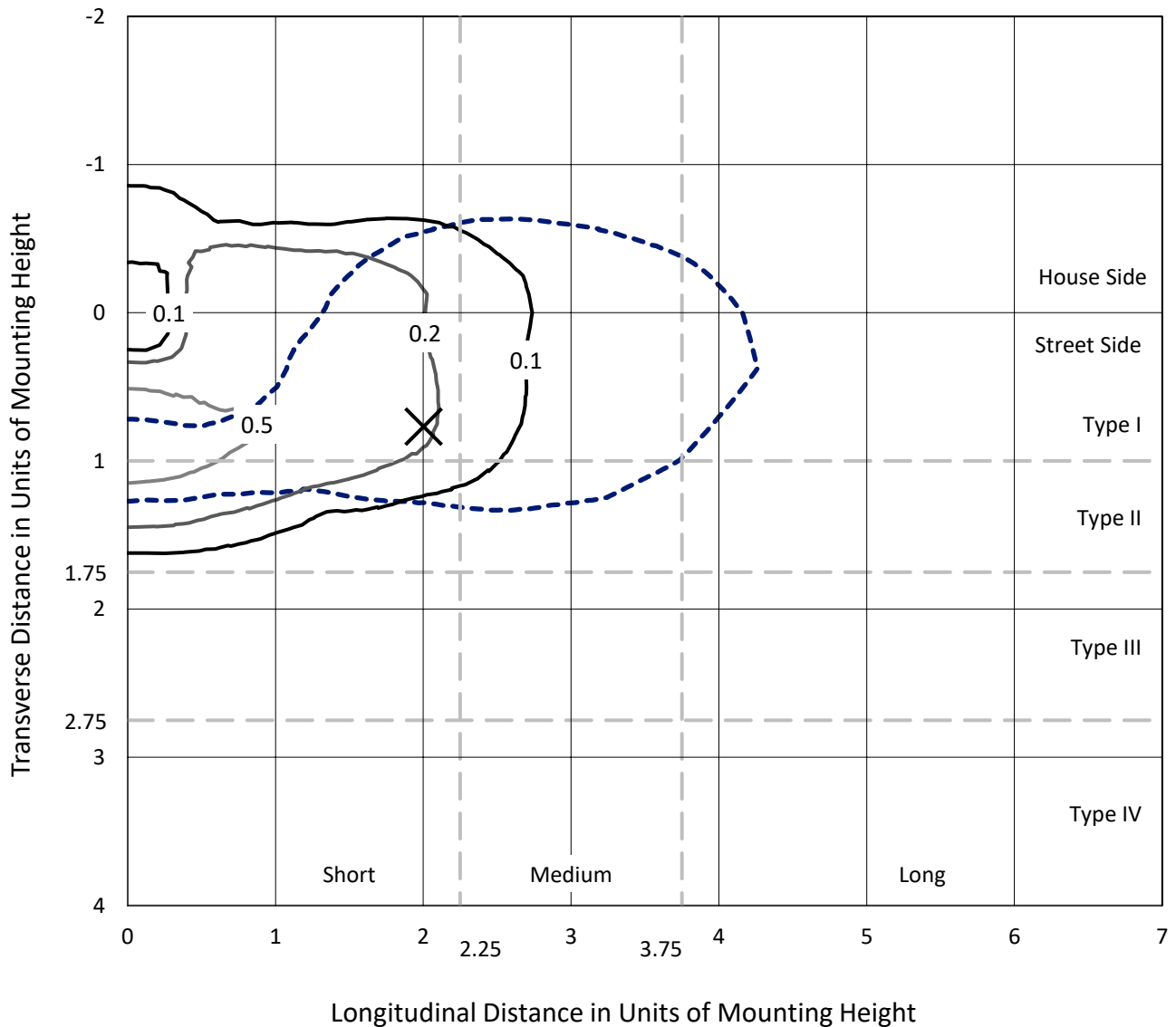
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

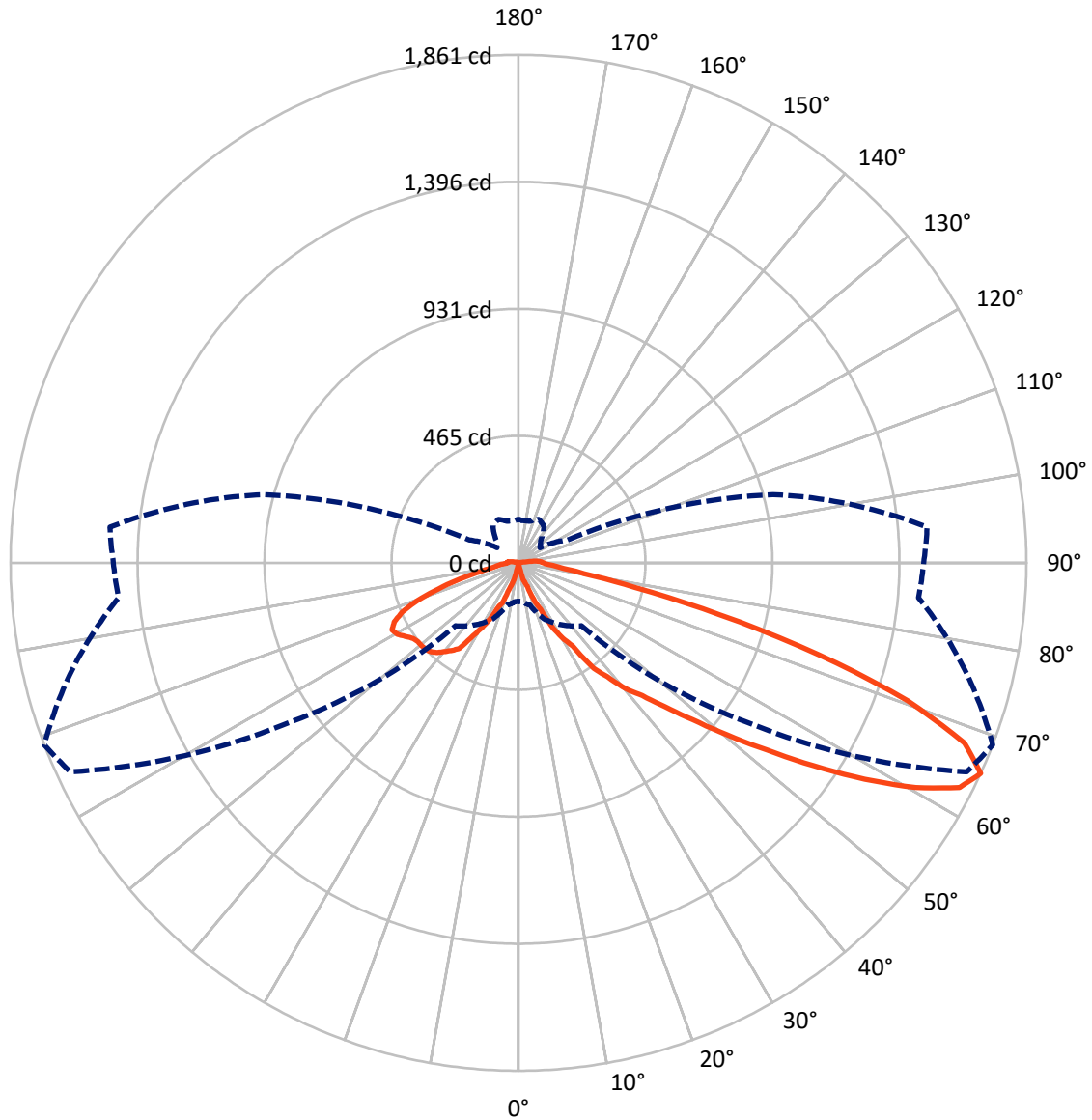
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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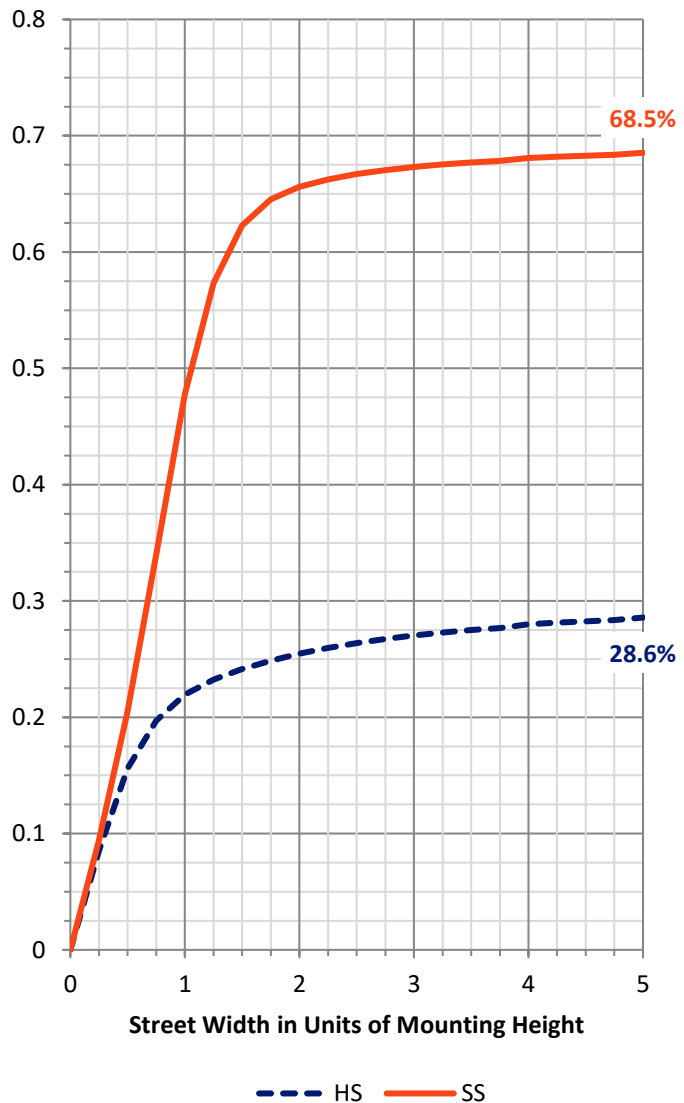
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	728.2	21.3	749.5
	% Fixture	29.3	0.9	30.2
Street Side	Lumens	1716.0	18.4	1734.5
	% Fixture	69.1	0.7	69.8
Total	Lumens	2444.2	39.7	2484.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	15.0	0.6
20°-30°	95.7	3.9
30°-40°	262.5	10.6
40°-50°	468.0	18.8
50°-60°	607.4	24.5
60°-70°	580.9	23.4
70°-80°	334.8	13.5
80°-90°	79.8	3.2
90°-100°	28.2	1.1
100°-110°	5.1	0.2
110°-120°	2.4	0.1
120°-130°	2.0	0.1
130°-140°	1.2	0.0
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2444.2	98.4
0°-180°	2484.0	100.0

Coefficient of Utilization

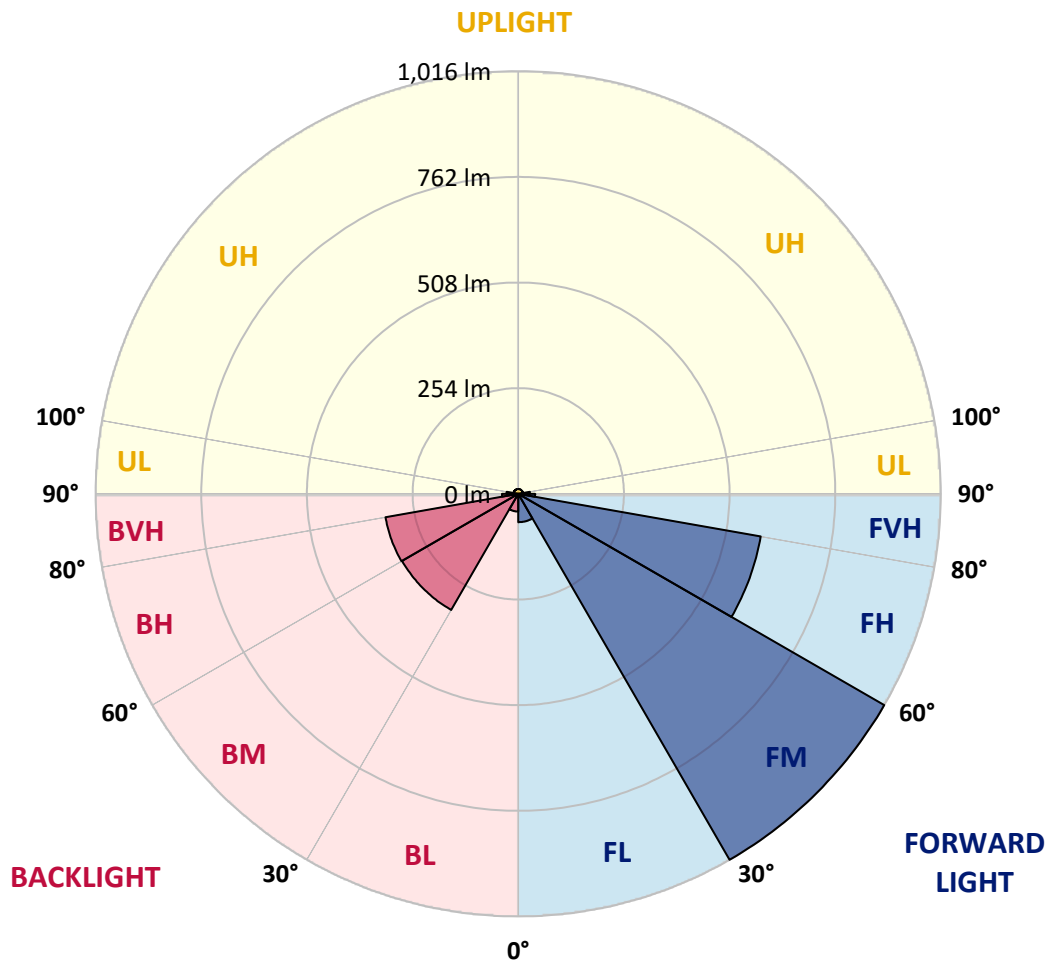


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	68.2	2.7			
FM (30°-60°)	1015.5	40.9			
FH (60°-80°)	591.6	23.8			G0/660
FVH (80°-90°)	40.7	1.6			G1/100
BL (0°-30°)	42.6	1.7	B0/110		
BM (30°-60°)	322.4	13.0	B1/1000		
BH (60°-80°)	324.0	13.0	B1/500		G1/500
BVH (80°-90°)	39.2	1.6			G1/100
UL (90°-100°)	28.2	1.1		U2/50	
UH (100°-180°)	11.5	0.5		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°	69°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8
5°	1.7	1.7	1.7	2.5	1.7	1.7	1.7	1.7	1.7	0.8	0.8
7.5°	3.4	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7	0.8	0.8
10°	14.3	11.8	9.2	6.7	4.2	2.5	2.5	1.7	1.7	1.7	1.7
12.5°	62.2	59.7	58.8	55.5	18.5	6.7	4.2	6.7	8.4	11.8	14.3
15°	73.1	72.3	70.6	65.6	62.2	46.2	15.1	57.2	62.2	65.6	66.4
17.5°	133.6	121.9	94.1	81.5	72.3	66.4	63.0	73.1	74.8	76.5	79.0
20°	180.7	180.7	173.2	152.1	92.5	110.1	108.4	87.4	91.6	113.5	142.9
22.5°	226.1	223.6	209.3	193.3	190.0	132.0	126.1	153.0	155.5	169.8	169.8
25°	372.4	372.4	330.3	243.8	227.8	191.6	194.2	195.8	190.0	193.3	201.7
27.5°	442.1	436.2	420.3	371.5	282.4	266.5	230.3	229.5	273.2	282.4	288.3
30°	632.1	629.6	539.6	437.9	381.6	308.5	314.4	321.1	321.1	321.9	312.7
32.5°	764.1	767.4	721.2	582.5	448.0	379.1	380.8	355.6	364.0	422.0	426.2
35°	892.7	899.4	835.5	708.6	578.3	469.9	426.2	457.3	474.9	474.1	463.1
37.5°	1022.9	1017.9	961.6	818.7	677.5	540.5	519.5	537.9	529.5	540.5	506.0
40°	1114.6	1113.7	1063.3	934.7	778.3	638.0	585.9	602.7	608.6	604.4	559.8
42.5°	1177.6	1171.7	1150.7	1054.0	910.3	767.4	673.3	685.0	664.9	680.8	624.5
45°	1203.7	1196.1	1192.7	1119.6	1024.6	964.9	797.7	774.1	751.4	783.4	700.2
47.5°	1168.4	1158.3	1177.6	1154.9	1114.6	1103.6	943.1	861.6	858.2	882.6	794.3
50°	1054.0	1036.4	1088.5	1128.9	1157.4	1199.5	1106.2	1001.1	990.2	991.8	882.6
52.5°	872.5	873.3	935.5	1008.7	1140.6	1216.3	1262.5	1176.8	1138.9	1120.4	971.7
55°	696.8	702.7	749.8	814.5	1001.9	1199.5	1381.9	1375.1	1311.2	1244.8	1066.7
57.5°	501.0	513.6	585.9	630.4	811.1	1081.8	1441.5	1551.6	1496.2	1373.4	1168.4
60°	286.6	301.8	380.8	481.6	621.2	862.4	1412.1	1733.2	1672.7	1508.8	1270.1
62.5°	182.4	186.6	221.1	327.0	406.0	567.4	1287.7	1843.3	1813.1	1633.2	1380.2
65°	141.2	142.9	159.7	228.6	277.4	326.1	1012.9	1812.2	1861.0	1718.9	1471.0
67.5°	129.4	129.4	134.5	163.9	210.1	205.9	654.8	1623.1	1762.6	1730.7	1501.2
70°	121.0	122.7	128.6	132.8	165.6	155.5	352.2	1284.4	1513.0	1615.5	1491.1
72.5°	105.9	107.6	115.2	126.1	128.6	126.1	196.7	854.0	1149.9	1356.6	1409.6
75°	89.9	90.8	95.8	113.5	112.6	101.7	163.1	510.2	761.5	995.2	1195.3
77.5°	74.0	76.5	82.4	91.6	102.5	80.7	145.4	300.1	434.6	626.2	828.8
80°	54.6	56.3	62.2	75.6	82.4	69.8	120.2	195.0	243.8	324.5	399.3
82.5°	39.5	40.3	45.4	54.6	58.8	59.7	94.1	157.2	167.3	179.0	179.9
85°	24.4	23.5	24.4	28.6	36.1	38.7	68.1	125.2	126.1	121.9	120.2
87.5°	10.9	10.9	8.4	10.1	11.8	11.8	35.3	99.2	99.2	94.1	97.5
90°	11.8	11.8	8.4	8.4	9.2	8.4	20.2	84.1	89.1	89.1	98.3
92.5°	12.6	11.8	9.2	8.4	8.4	7.6	12.6	67.2	80.7	89.1	101.7
95°	11.8	11.8	8.4	7.6	7.6	6.7	10.1	46.2	64.7	72.3	86.6
97.5°	8.4	8.4	5.9	5.9	6.7	5.9	7.6	19.3	25.2	32.8	43.7
100°	5.9	5.9	4.2	4.2	4.2	4.2	5.0	8.4	10.1	8.4	10.1
102.5°	5.0	5.9	3.4	3.4	3.4	2.5	3.4	4.2	5.0	5.9	7.6
105°	5.0	5.0	2.5	2.5	2.5	2.5	1.7	3.4	3.4	4.2	7.6
107.5°	3.4	3.4	2.5	2.5	1.7	1.7	1.7	2.5	3.4	4.2	7.6
110°	2.5	2.5	1.7	1.7	1.7	1.7	1.7	2.5	3.4	3.4	5.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	1.7	1.7	1.7	0.8	0.8	1.7	1.7	2.5	2.5	2.5	4.2
115°	1.7	1.7	0.8	0.8	0.8	0.8	1.7	1.7	2.5	2.5	4.2
117.5°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	1.7	1.7	2.5	4.2
120°	2.5	1.7	0.8	0.8	0.8	0.8	0.8	1.7	1.7	2.5	4.2
122.5°	2.5	2.5	0.8	0.8	0.8	0.8	0.8	1.7	1.7	2.5	4.2
125°	2.5	2.5	1.7	0.8	0.8	0.8	0.8	1.7	1.7	2.5	3.4
127.5°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	3.4
130°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	3.4
132.5°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5
135°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7
137.5°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7
140°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	1.7	2.5	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
5°	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7	1.7	1.7
7.5°	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7	1.7	1.7
10°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
12.5°	13.4	12.6	10.9	5.9	2.5	1.7	1.7	1.7	2.5	3.4	3.4
15°	68.1	68.9	67.2	60.5	15.1	4.2	2.5	7.6	28.6	49.6	34.5
17.5°	79.0	79.9	78.2	76.5	69.8	31.1	20.2	66.4	68.9	74.0	72.3
20°	145.4	143.7	120.2	89.1	80.7	74.8	63.0	76.5	80.7	82.4	82.4
22.5°	168.9	168.1	164.7	155.5	95.8	111.8	100.0	84.1	137.8	144.6	143.7
25°	195.8	190.8	181.6	173.2	165.6	122.7	123.6	133.6	141.2	142.1	142.1
27.5°	280.7	274.0	258.9	215.2	194.2	153.0	154.7	137.0	137.8	165.6	170.6
30°	305.1	294.2	278.2	269.8	223.6	179.9	147.9	157.2	162.2	161.4	163.1
32.5°	406.8	390.9	335.4	301.8	246.3	174.0	154.7	152.1	152.1	165.6	167.3
35°	438.8	415.2	385.0	376.6	250.5	170.6	146.3	148.8	168.1	170.6	169.8
37.5°	476.6	443.8	413.5	393.4	262.2	158.0	138.7	149.6	155.5	155.5	154.7
40°	518.6	485.8	454.7	398.4	249.6	145.4	139.5	142.1	146.3	143.7	142.9
42.5°	580.0	536.3	508.5	398.4	217.7	137.8	136.2	136.2	139.5	137.0	136.2
45°	654.8	604.4	553.9	392.5	184.9	133.6	134.5	133.6	137.0	133.6	132.8
47.5°	733.8	681.7	595.1	378.2	159.7	130.3	137.0	132.8	133.6	128.6	127.8
50°	823.7	767.4	638.0	353.0	145.4	130.3	136.2	133.6	131.1	126.1	125.2
52.5°	914.5	857.4	688.4	321.9	135.3	127.8	137.0	136.2	132.8	125.2	125.2
55°	1007.8	968.3	746.4	295.0	124.4	126.9	141.2	141.2	134.5	124.4	123.6
57.5°	1107.8	1080.9	810.3	284.9	114.3	121.9	147.9	149.6	137.0	123.6	123.6
60°	1224.7	1235.6	878.4	273.2	107.6	117.7	151.3	157.2	140.4	123.6	123.6
62.5°	1370.1	1401.2	942.3	246.3	101.7	111.8	154.7	165.6	150.5	137.8	138.7
65°	1484.4	1502.9	964.9	197.5	95.8	114.3	163.1	175.7	157.2	155.5	159.7
67.5°	1547.4	1539.0	930.5	150.5	89.1	112.6	160.5	182.4	164.7	168.9	171.5
70°	1545.8	1484.4	816.2	116.0	83.2	111.0	163.1	179.9	168.9	180.7	188.3
72.5°	1438.2	1298.6	618.6	100.9	83.2	109.3	158.9	173.2	169.8	181.6	187.4
75°	1155.7	986.8	424.5	88.3	79.0	104.2	151.3	161.4	154.7	164.7	168.1
77.5°	765.7	648.9	237.0	79.9	78.2	95.8	137.8	142.9	135.3	142.1	144.6
80°	358.9	299.2	132.0	74.0	75.6	84.9	113.5	121.0	109.3	116.0	116.0
82.5°	164.7	152.1	100.0	67.2	68.1	64.7	88.3	100.0	89.1	92.5	89.1
85°	111.0	111.8	79.9	57.2	55.5	46.2	69.8	77.3	67.2	69.8	58.8
87.5°	96.7	99.2	63.9	37.0	31.9	28.6	45.4	47.1	34.5	28.6	27.7
90°	99.2	100.0	58.8	27.7	19.3	15.1	24.4	23.5	15.1	13.4	13.4
92.5°	102.5	102.5	59.7	29.4	19.3	14.3	21.9	17.7	13.4	11.8	11.8
95°	93.3	88.3	52.1	29.4	18.5	12.6	17.7	15.1	11.8	11.8	10.9
97.5°	57.2	52.1	38.7	29.4	15.1	10.9	13.4	11.8	8.4	7.6	7.6
100°	16.0	13.4	24.4	23.5	10.9	7.6	9.2	7.6	5.0	4.2	3.4
102.5°	7.6	7.6	12.6	15.1	5.9	4.2	5.0	5.0	4.2	4.2	3.4
105°	7.6	7.6	5.9	6.7	3.4	2.5	2.5	3.4	3.4	4.2	4.2
107.5°	7.6	8.4	5.0	3.4	3.4	2.5	1.7	2.5	3.4	4.2	5.0
110°	6.7	6.7	4.2	3.4	2.5	2.5	1.7	2.5	3.4	5.0	5.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.0	5.0	3.4	3.4	2.5	2.5	1.7	1.7	3.4	5.0	5.9
115°	4.2	4.2	3.4	2.5	1.7	1.7	1.7	1.7	3.4	5.9	6.7
117.5°	4.2	4.2	2.5	1.7	1.7	1.7	1.7	1.7	3.4	6.7	6.7
120°	4.2	4.2	2.5	1.7	1.7	1.7	1.7	2.5	4.2	6.7	7.6
122.5°	4.2	4.2	2.5	1.7	1.7	1.7	1.7	2.5	4.2	6.7	7.6
125°	4.2	4.2	2.5	1.7	1.7	1.7	1.7	2.5	4.2	6.7	6.7
127.5°	3.4	3.4	2.5	1.7	1.7	1.7	1.7	1.7	3.4	5.9	6.7
130°	3.4	3.4	2.5	1.7	1.7	1.7	1.7	1.7	3.4	5.9	5.9
132.5°	2.5	2.5	1.7	1.7	1.7	0.8	1.7	1.7	3.4	5.0	5.0
135°	1.7	1.7	1.7	0.8	0.8	0.8	1.7	1.7	2.5	3.4	4.2
137.5°	1.7	1.7	0.8	0.8	1.7	1.7	1.7	1.7	2.5	2.5	2.5
140°	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7	1.7	2.5	2.5
142.5°	0.8	0.8	0.8	0.8	1.7	0.8	1.7	1.7	1.7	2.5	2.5
145°	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7	2.5	2.5
147.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	2.5	2.5
150°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	2.5	2.5
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)