

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: P694547

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T4W-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694547
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-23)
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-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2629 lumens
Efficiency: N/A
Efficacy: 120.6 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

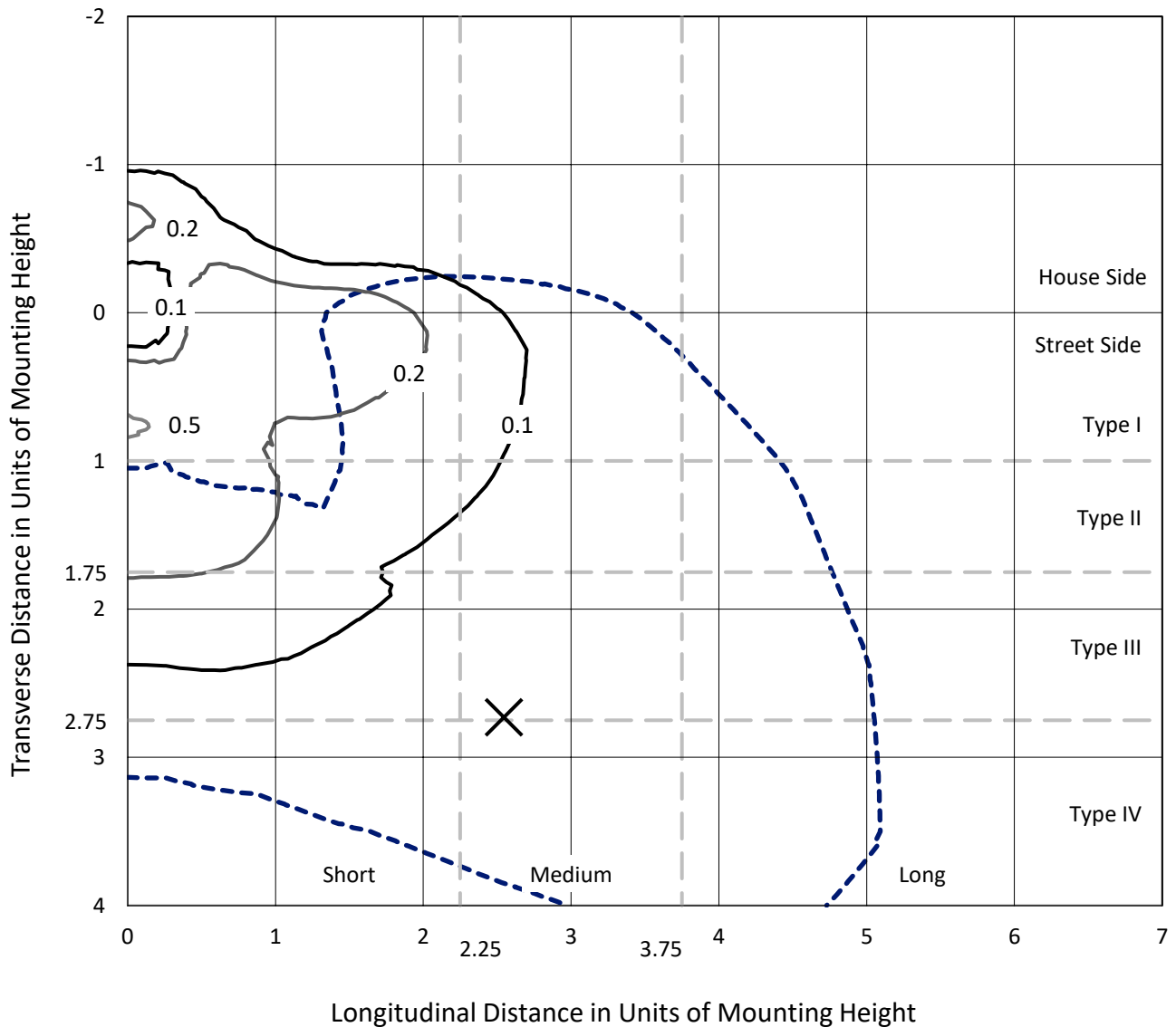
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

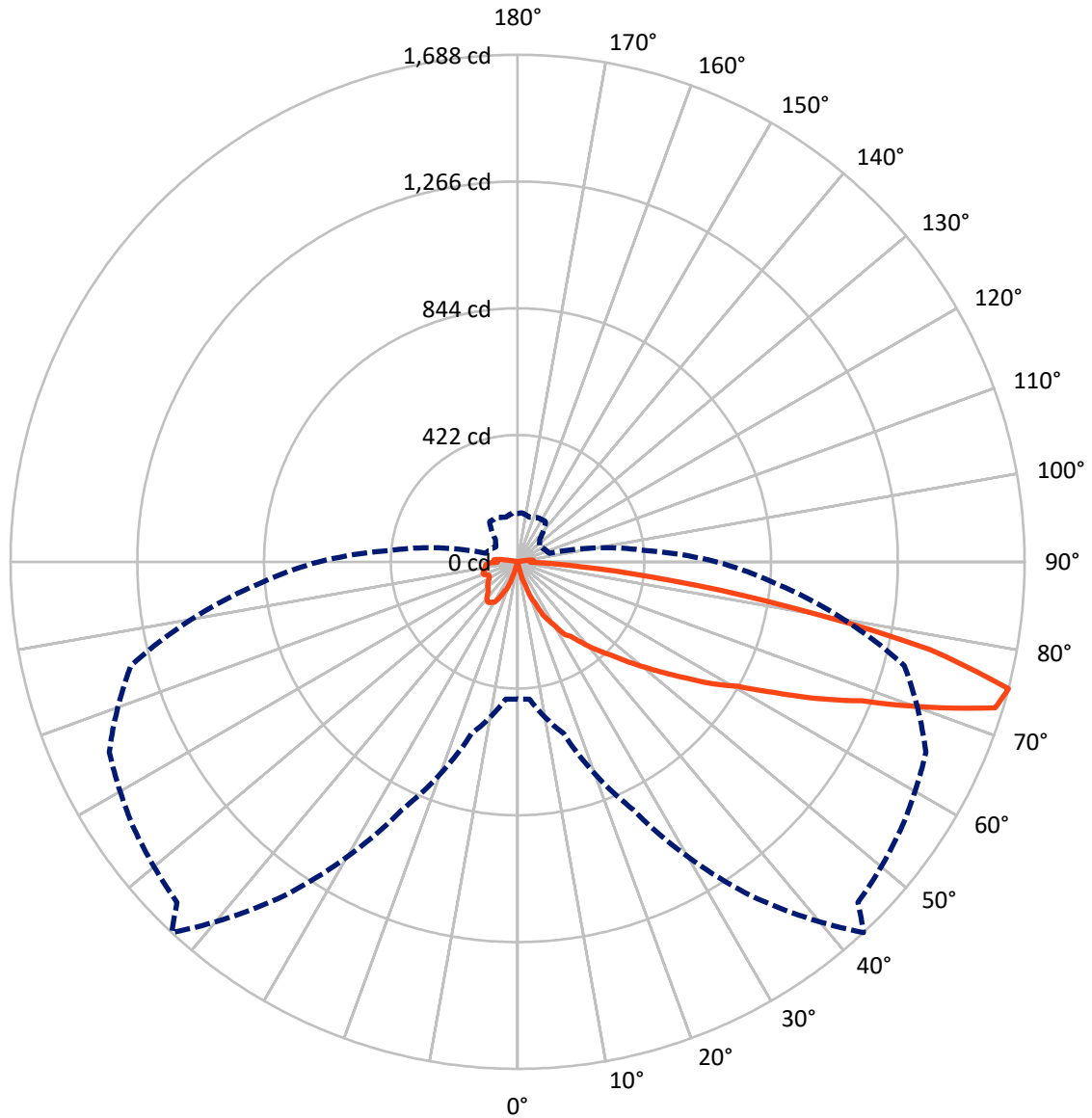
× Max cd
 - - - 1/2 Max cd



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 43-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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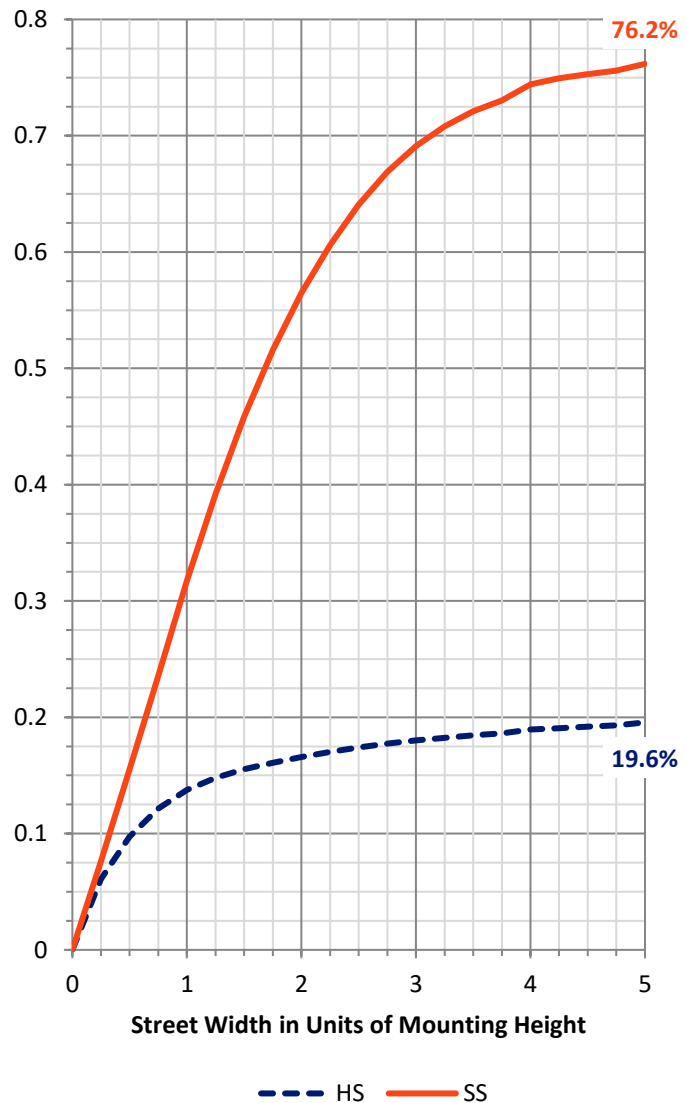
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	547.8	36.9	584.6
	% Fixture	20.8	1.4	22.2
Street Side	Lumens	2017.6	26.7	2044.3
	% Fixture	76.7	1.0	77.8
Total	Lumens	2565.4	63.6	2629.0
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	15.6	0.6
20°-30°	85.4	3.2
30°-40°	199.9	7.6
40°-50°	302.8	11.5
50°-60°	471.0	17.9
60°-70°	709.6	27.0
70°-80°	638.5	24.3
80°-90°	142.3	5.4
90°-100°	49.0	1.9
100°-110°	8.0	0.3
110°-120°	2.6	0.1
120°-130°	1.9	0.1
130°-140°	1.2	0.0
140°-150°	0.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2565.4	97.6
0°-180°	2629.0	100.0

Coefficient of Utilization

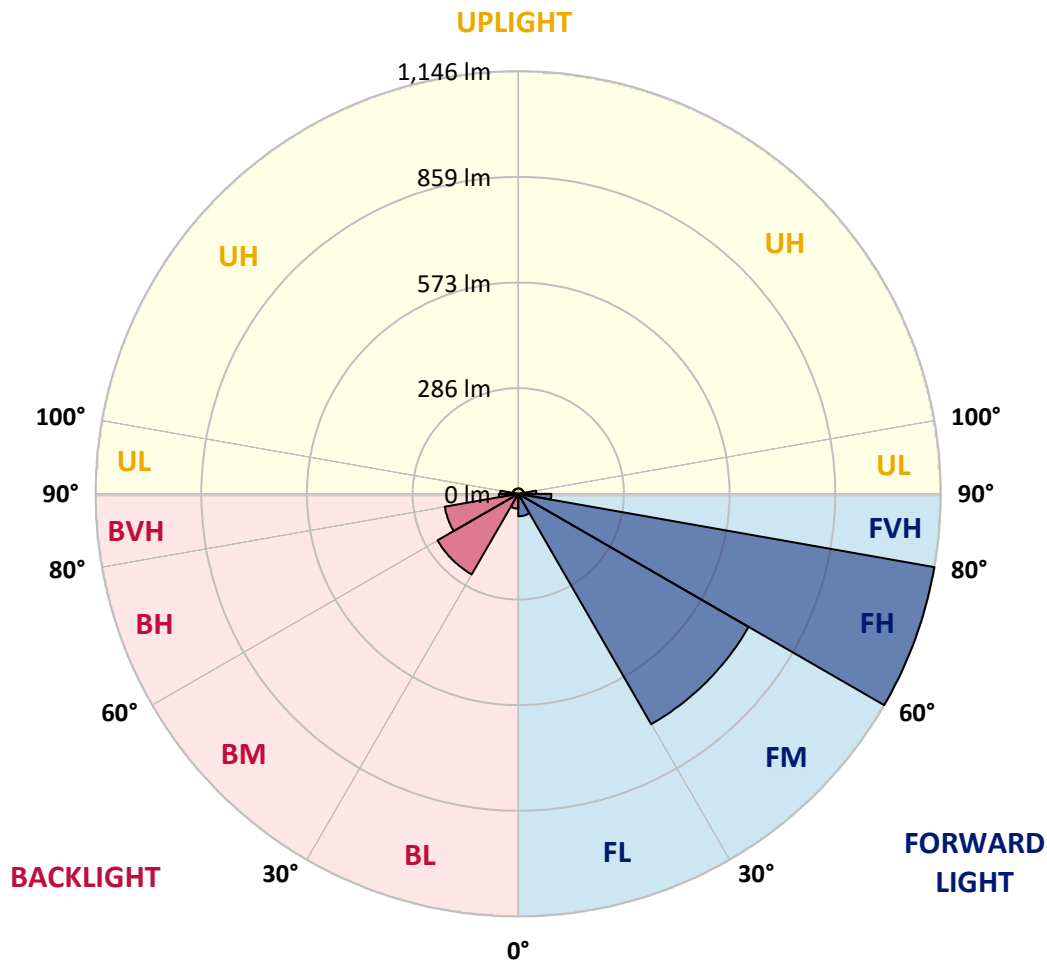


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	60.9	2.3			
FM (30°-60°)	721.3	27.4			
FH (60°-80°)	1145.7	43.6			G1/1800
FVH (80°-90°)	89.6	3.4			G1/100
BL (0°-30°)	40.3	1.5	B0/110		
BM (30°-60°)	252.5	9.6	B1/1000		
BH (60°-80°)	202.3	7.7	B1/500		G1/500
BVH (80°-90°)	52.7	2.0			G1/100
UL (90°-100°)	49.0	1.9		U2/50	
UH (100°-180°)	14.6	0.6		U2/50	

BUG Rating: B1-U2-G1
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.8	1.8	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
7.5°	2.7	2.7	1.8	1.8	2.7	1.8	1.8	1.8	1.8	1.8	1.8
10°	18.3	18.3	16.4	10.0	4.6	2.7	2.7	2.7	1.8	2.7	2.7
12.5°	75.8	75.8	70.3	65.8	20.1	11.9	8.2	4.6	8.2	11.9	15.5
15°	90.4	90.4	86.8	78.5	73.1	57.5	37.4	21.9	59.4	63.0	62.1
17.5°	164.4	141.6	112.3	97.7	82.2	74.9	84.0	68.5	74.9	76.7	75.8
20°	192.7	189.0	180.8	171.7	104.1	126.9	117.8	116.9	91.3	117.8	138.8
22.5°	208.2	208.2	194.5	182.7	185.4	146.1	137.9	132.4	152.5	166.2	165.3
25°	289.5	289.5	277.6	201.8	195.4	194.5	179.9	190.9	191.8	190.9	192.7
27.5°	306.9	304.1	293.2	268.5	217.4	221.9	225.6	212.8	236.5	276.7	274.0
30°	438.4	422.8	343.4	288.6	271.2	248.4	240.2	258.5	283.1	293.2	295.0
32.5°	508.7	503.2	466.7	384.5	300.5	289.5	274.0	288.6	294.1	360.7	388.1
35°	587.2	577.2	545.2	434.7	363.5	305.0	298.6	290.4	348.0	378.1	404.6
37.5°	646.6	645.7	617.4	495.0	403.7	336.1	315.1	323.3	359.8	396.4	421.0
40°	697.7	694.1	681.3	550.7	437.5	372.6	336.1	342.5	377.2	413.7	442.0
42.5°	751.6	748.9	749.8	597.3	480.4	409.1	365.3	360.7	398.2	442.0	474.0
45°	813.7	811.9	809.2	666.7	528.8	446.6	402.7	390.0	440.2	477.6	516.0
47.5°	840.2	836.6	855.7	726.0	582.7	498.6	443.8	428.3	486.8	530.6	583.6
50°	874.0	870.3	882.2	786.3	646.6	553.4	498.6	474.9	543.4	603.7	672.2
52.5°	937.9	970.8	924.2	852.1	735.2	614.6	553.4	535.2	619.2	701.4	817.4
55°	1014.6	1007.3	982.7	927.9	816.5	684.0	613.7	603.7	720.6	824.7	967.1
57.5°	1029.2	1021.0	1041.1	1005.5	910.5	766.2	683.1	687.7	822.9	953.4	1135.2
60°	1063.0	1057.6	1095.0	1114.2	1007.3	842.0	755.3	799.1	927.9	1085.0	1297.7
62.5°	1098.7	1105.1	1160.8	1189.1	1072.2	957.1	853.9	926.1	1088.6	1227.4	1442.0
65°	1093.2	1102.3	1217.4	1232.0	1151.6	1096.8	976.3	1070.3	1236.6	1374.5	1547.1
67.5°	1065.8	1074.9	1231.1	1290.4	1260.3	1235.6	1116.0	1226.5	1373.6	1474.0	1579.9
70°	1009.2	1010.1	1164.4	1337.0	1393.6	1449.4	1307.8	1379.9	1507.8	1560.8	1498.7
72.5°	816.5	822.9	968.1	1245.7	1491.4	1662.1	1525.2	1523.3	1579.9	1535.2	1232.9
75°	456.6	458.5	591.8	910.5	1358.0	1687.7	1602.8	1556.2	1499.6	1332.5	871.3
77.5°	138.8	155.3	207.3	463.0	950.7	1402.8	1379.9	1369.0	1253.9	939.7	474.0
80°	70.3	73.1	93.2	159.8	491.3	928.8	948.9	982.7	781.8	405.5	220.1
82.5°	40.2	42.0	56.6	84.9	209.1	518.7	569.9	537.0	336.1	190.9	152.5
85°	20.1	20.1	26.5	39.3	97.7	205.5	238.4	192.7	145.2	126.0	123.3
87.5°	11.0	11.0	9.1	11.9	30.1	45.7	53.0	72.1	77.6	79.5	105.0
90°	11.9	11.9	9.1	10.0	21.9	41.1	58.4	70.3	72.1	75.8	106.9
92.5°	11.9	11.9	9.1	9.1	20.1	48.4	66.7	76.7	74.9	81.3	109.6
95°	11.9	11.0	8.2	9.1	17.4	52.1	63.0	81.3	72.1	73.1	91.3
97.5°	7.3	7.3	5.5	7.3	12.8	40.2	43.8	58.4	49.3	32.9	42.9
100°	5.5	5.5	3.7	5.5	7.3	19.2	18.3	28.3	21.9	7.3	11.0
102.5°	5.5	6.4	3.7	3.7	4.6	5.5	6.4	9.1	9.1	5.5	7.3
105°	6.4	6.4	2.7	2.7	2.7	2.7	3.7	3.7	3.7	4.6	7.3
107.5°	5.5	5.5	2.7	1.8	1.8	2.7	2.7	1.8	2.7	3.7	8.2
110°	3.7	3.7	1.8	1.8	1.8	1.8	1.8	1.8	2.7	3.7	6.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	1.8	2.7	0.9	1.8	0.9	1.8	1.8	1.8	1.8	2.7	3.7
115°	2.7	1.8	0.9	0.9	0.9	1.8	1.8	1.8	1.8	2.7	3.7
117.5°	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	4.6
120°	2.7	2.7	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	3.7
122.5°	2.7	2.7	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	3.7
125°	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7	3.7
127.5°	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	3.7
130°	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	3.7
132.5°	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7
135°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8
142.5°	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8
145°	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	1.8	1.8	1.8
150°	1.8	1.8	1.8	0.9	0.9	0.9	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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.8	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8
5°	1.8	1.8	1.8	1.8	0.9	1.8	1.8	1.8	1.8	1.8	1.8
7.5°	1.8	1.8	1.8	1.8	0.9	0.9	1.8	1.8	1.8	1.8	1.8
10°	2.7	2.7	1.8	1.8	1.8	0.9	1.8	1.8	1.8	1.8	1.8
12.5°	16.4	15.5	11.0	6.4	2.7	1.8	1.8	1.8	2.7	3.7	3.7
15°	63.0	61.2	59.4	53.9	15.5	3.7	2.7	8.2	32.0	44.7	52.1
17.5°	74.0	73.1	71.2	67.6	62.1	21.0	27.4	58.4	69.4	71.2	73.1
20°	136.1	133.3	103.2	77.6	71.2	74.9	65.8	73.1	76.7	79.5	82.2
22.5°	161.6	158.9	150.7	137.9	84.9	98.6	95.0	84.0	127.9	137.9	139.7
25°	189.0	184.5	167.1	153.4	141.6	109.6	117.8	133.3	144.3	151.6	151.6
27.5°	269.4	260.3	238.4	169.0	157.1	134.2	144.3	141.6	159.8	196.4	199.1
30°	291.3	281.3	250.2	209.1	167.1	155.3	148.9	182.7	206.4	214.6	217.4
32.5°	388.1	379.0	324.2	215.5	183.6	155.3	172.6	190.0	206.4	244.8	248.4
35°	407.3	392.7	336.1	248.4	182.7	162.6	173.5	193.6	239.3	256.6	260.3
37.5°	426.5	411.9	335.2	238.4	194.5	165.3	169.9	198.2	222.8	234.7	237.4
40°	453.0	431.1	328.8	221.9	185.4	158.9	168.0	186.3	200.9	204.6	207.3
42.5°	487.7	457.5	321.5	205.5	171.7	148.9	157.1	170.8	179.9	174.4	174.4
45°	536.1	489.5	307.8	189.0	158.9	137.9	147.9	158.0	162.6	152.5	149.8
47.5°	596.4	527.9	293.2	173.5	150.7	131.5	142.5	150.7	150.7	137.0	135.2
50°	669.4	575.4	274.0	160.7	141.6	127.9	137.0	144.3	139.7	126.0	125.1
52.5°	780.8	647.5	255.7	149.8	133.3	124.2	136.1	135.2	128.8	116.9	116.0
55°	918.7	741.6	239.3	141.6	127.9	117.8	133.3	129.7	122.4	111.4	111.4
57.5°	1055.7	844.8	221.9	136.1	121.5	112.3	128.8	126.9	118.7	107.8	106.9
60°	1190.0	939.7	196.4	131.5	113.2	106.9	123.3	127.9	116.9	105.9	105.9
62.5°	1298.7	985.4	168.0	124.2	105.0	103.2	120.6	131.5	126.0	121.5	121.5
65°	1334.3	958.0	146.1	118.7	99.5	100.5	121.5	145.2	147.0	152.5	153.4
67.5°	1309.6	880.4	131.5	114.2	95.9	105.0	138.8	163.5	158.9	162.6	164.4
70°	1202.8	766.2	123.3	108.7	95.9	112.3	152.5	163.5	157.1	168.0	169.0
72.5°	976.3	620.1	116.0	104.1	92.2	111.4	160.7	161.6	157.1	169.9	168.0
75°	662.1	427.4	109.6	98.6	87.7	103.2	162.6	161.6	153.4	163.5	160.7
77.5°	334.3	217.4	101.4	92.2	81.3	98.6	160.7	162.6	151.6	159.8	157.1
80°	169.9	139.7	90.4	84.9	74.0	96.8	157.1	160.7	145.2	152.5	151.6
82.5°	130.6	109.6	75.8	74.0	67.6	95.0	151.6	155.3	137.9	143.4	139.7
85°	106.9	86.8	55.7	57.5	61.2	95.9	150.7	153.4	133.3	130.6	128.8
87.5°	90.4	66.7	27.4	29.2	44.7	85.8	128.8	126.9	104.1	103.2	105.0
90°	90.4	61.2	18.3	18.3	36.5	61.2	84.9	76.7	72.1	76.7	75.8
92.5°	89.5	55.7	19.2	19.2	41.1	67.6	95.9	79.5	74.0	75.8	74.9
95°	74.0	45.7	21.9	21.0	35.6	74.9	99.5	81.3	75.8	73.1	73.1
97.5°	37.4	25.6	21.0	21.0	28.3	61.2	79.5	63.9	48.4	40.2	42.9
100°	9.1	10.0	20.1	20.1	17.4	31.1	43.8	39.3	20.1	10.0	9.1
102.5°	7.3	6.4	15.5	17.4	11.0	11.0	20.1	22.8	15.5	4.6	4.6
105°	7.3	6.4	7.3	9.1	5.5	4.6	7.3	12.8	7.3	4.6	4.6
107.5°	8.2	7.3	3.7	3.7	3.7	3.7	3.7	4.6	3.7	4.6	4.6
110°	7.3	6.4	3.7	3.7	2.7	3.7	2.7	3.7	3.7	4.6	4.6

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CANDELA DISTRIBUTION (continued):

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