

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: P694967

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T4W-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694967
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-PA16-30-827-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA 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: 2808.1 lumens
Efficiency: N/A
Efficacy: 96.2 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 - U3 - G1

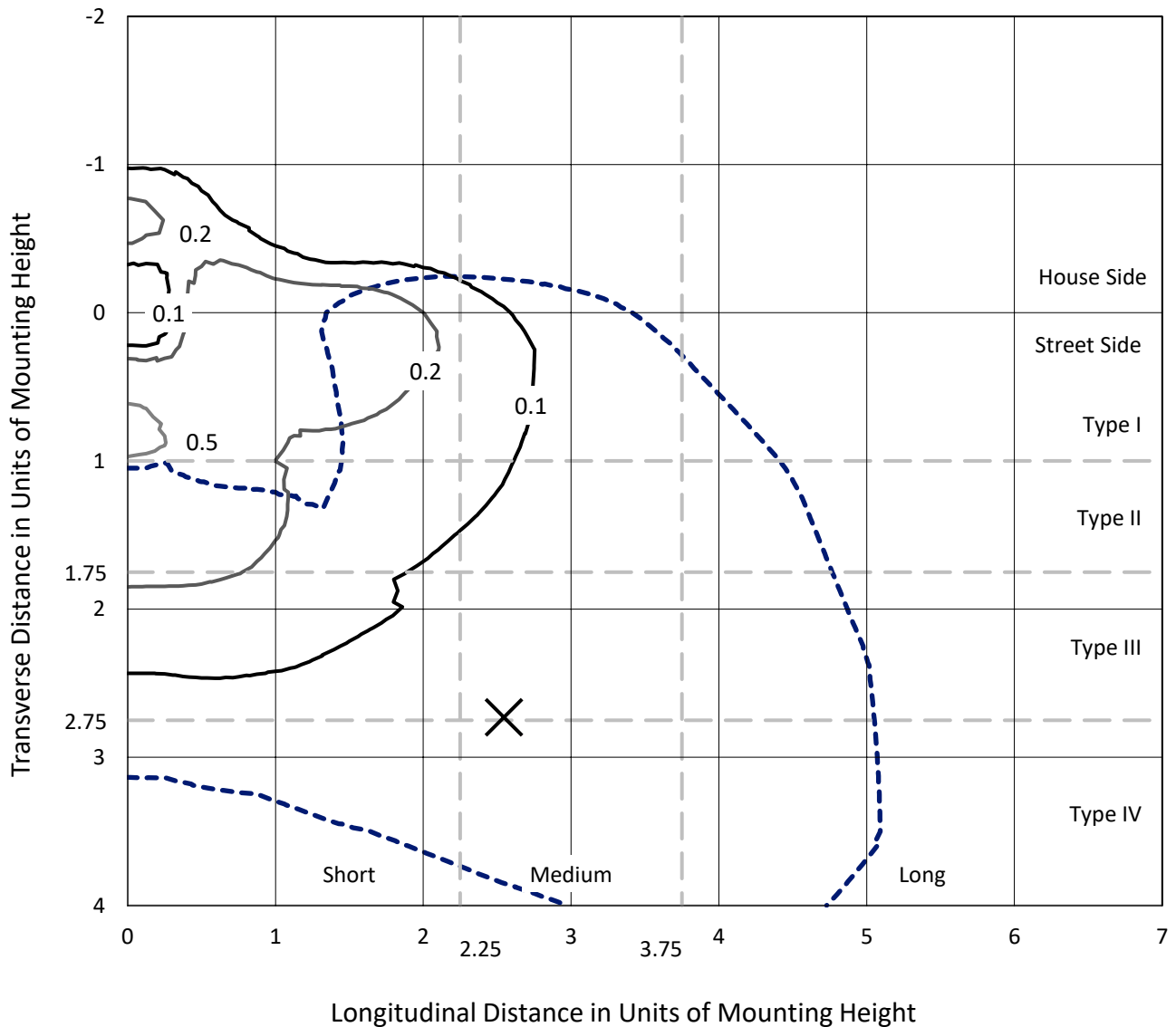
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

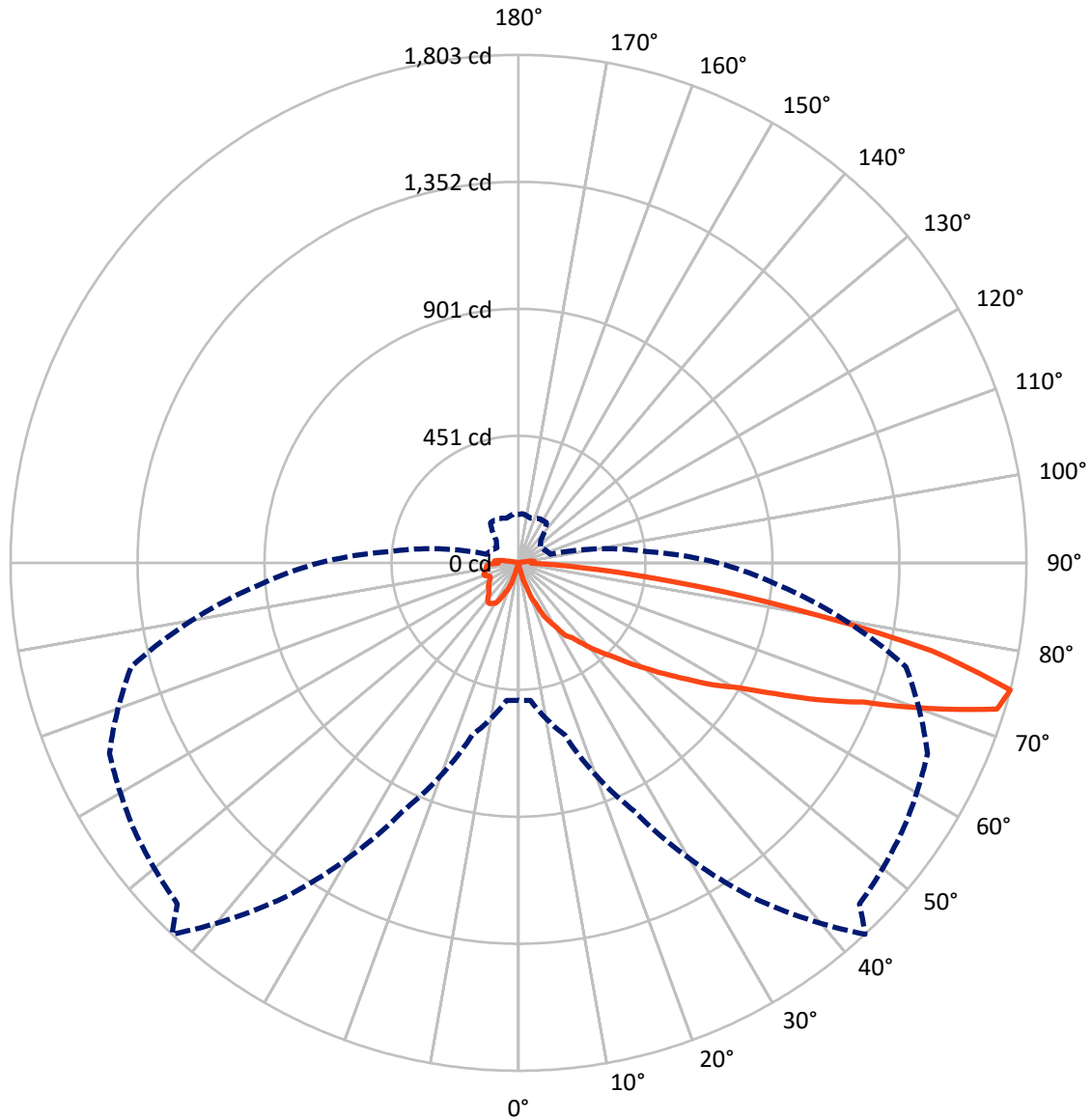
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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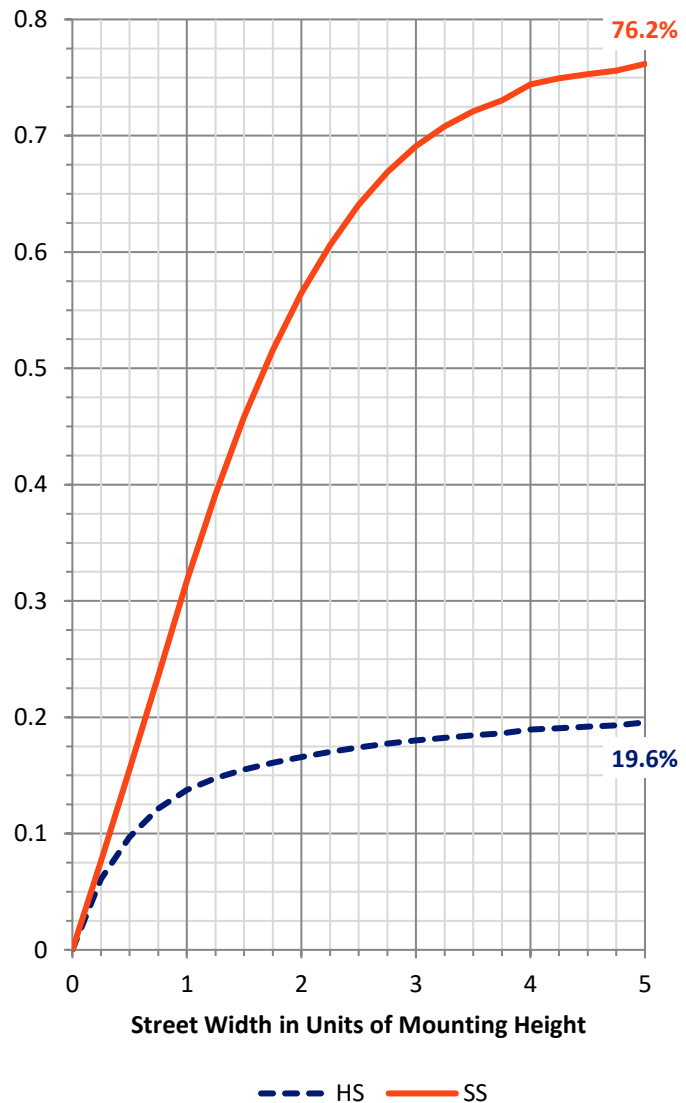
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	585.1	39.4	624.5
	% Fixture	20.8	1.4	22.2
Street Side	Lumens	2155.0	28.6	2183.6
	% Fixture	76.7	1.0	77.8
Total	Lumens	2740.0	68.1	2808.1
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	16.7	0.6
20°-30°	91.2	3.2
30°-40°	213.5	7.6
40°-50°	323.5	11.5
50°-60°	503.1	17.9
60°-70°	757.9	27.0
70°-80°	682.0	24.3
80°-90°	152.0	5.4
90°-100°	52.3	1.9
100°-110°	8.6	0.3
110°-120°	2.8	0.1
120°-130°	2.1	0.1
130°-140°	1.3	0.0
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°	2740.0	97.6
0°-180°	2808.1	100.0

Coefficient of Utilization

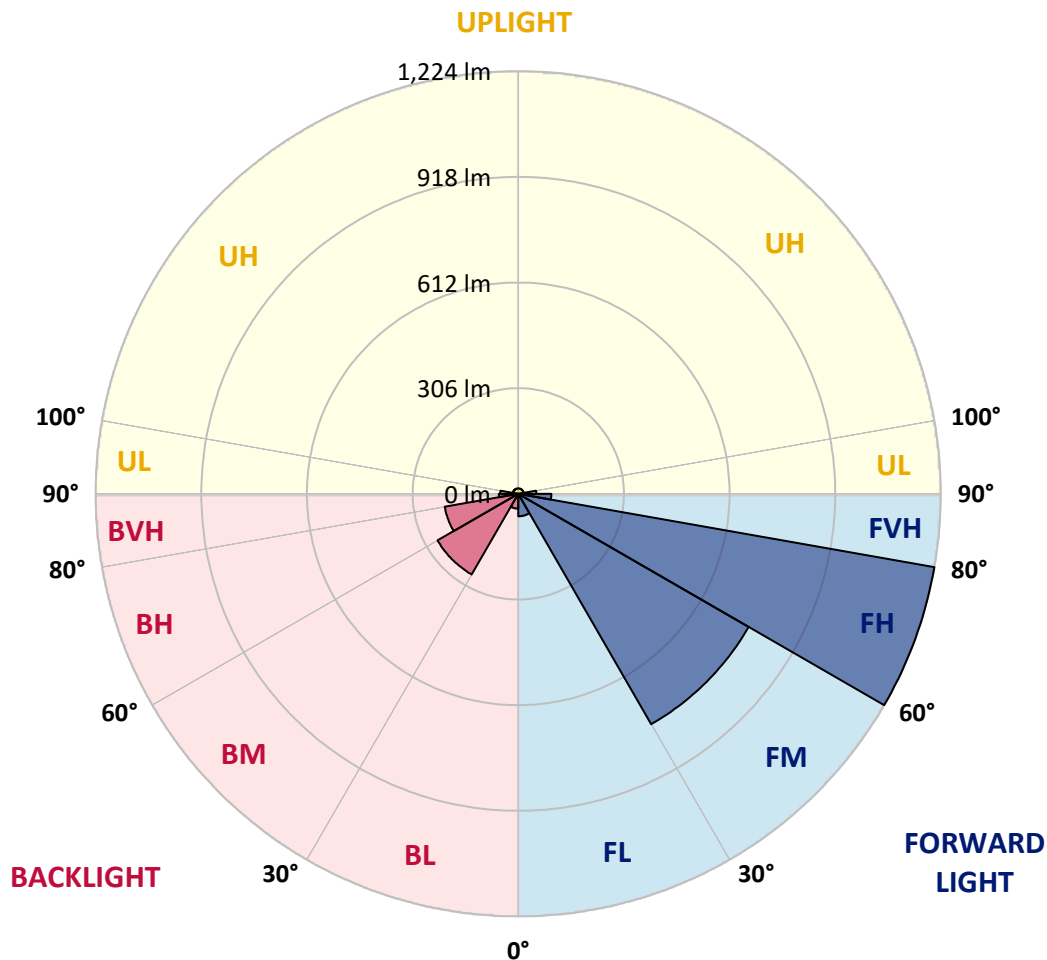


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	65.1	2.3			
FM (30°-60°)	770.4	27.4			
FH (60°-80°)	1223.7	43.6			G1/1800
FVH (80°-90°)	95.7	3.4			G1/100
BL (0°-30°)	43.1	1.5	B0/110		
BM (30°-60°)	269.6	9.6	B1/1000		
BH (60°-80°)	216.1	7.7	B1/500		G1/500
BVH (80°-90°)	56.3	2.0			G1/100
UL (90°-100°)	52.3	1.9		U3/500	
UH (100°-180°)	15.8	0.6		U2/50	

BUG Rating: B1-U3-G1
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7.5°	2.9	2.9	2.0	2.0	2.9	2.0	2.0	2.0	2.0	2.0	2.0
10°	19.5	19.5	17.6	10.7	4.9	2.9	2.9	2.9	2.0	2.9	2.9
12.5°	81.0	81.0	75.1	70.2	21.5	12.7	8.8	4.9	8.8	12.7	16.6
15°	96.6	96.6	92.7	83.9	78.0	61.5	40.0	23.4	63.4	67.3	66.3
17.5°	175.6	151.2	120.0	104.4	87.8	80.0	89.7	73.2	80.0	81.9	81.0
20°	205.8	201.9	193.1	183.4	111.2	135.6	125.8	124.9	97.5	125.8	148.3
22.5°	222.4	222.4	207.8	195.1	198.0	156.1	147.3	141.4	162.9	177.5	176.6
25°	309.2	309.2	296.5	215.6	208.7	207.8	192.2	203.9	204.8	203.9	205.8
27.5°	327.7	324.8	313.1	286.8	232.2	237.0	240.9	227.3	252.6	295.6	292.6
30°	468.2	451.6	366.8	308.2	289.7	265.3	256.5	276.1	302.4	313.1	315.1
32.5°	543.3	537.5	498.5	410.7	320.9	309.2	292.6	308.2	314.1	385.3	414.6
35°	627.2	616.5	582.3	464.3	388.2	325.8	319.0	310.2	371.6	403.8	432.1
37.5°	690.6	689.6	659.4	528.7	431.1	359.0	336.5	345.3	384.3	423.3	449.7
40°	745.2	741.3	727.7	588.2	467.2	398.0	359.0	365.8	402.9	441.9	472.1
42.5°	802.8	799.9	800.8	637.9	513.1	437.0	390.2	385.3	425.3	472.1	506.3
45°	869.1	867.2	864.2	712.1	564.8	477.0	430.2	416.5	470.2	510.2	551.1
47.5°	897.4	893.5	914.0	775.5	622.3	532.6	474.1	457.5	519.9	566.7	623.3
50°	933.5	929.6	942.3	839.9	690.6	591.1	532.6	507.2	580.4	644.8	717.9
52.5°	1001.8	1036.9	987.2	910.1	785.2	656.5	591.1	571.6	661.4	749.1	873.0
55°	1083.7	1075.9	1049.6	991.1	872.0	730.6	655.5	644.8	769.6	880.8	1033.0
57.5°	1099.3	1090.5	1112.0	1074.0	972.5	818.4	729.6	734.5	878.9	1018.4	1212.5
60°	1135.4	1129.6	1169.6	1190.0	1075.9	899.4	806.7	853.5	991.1	1158.8	1386.1
62.5°	1173.5	1180.3	1239.8	1270.0	1145.2	1022.3	912.0	989.1	1162.7	1311.0	1540.2
65°	1167.6	1177.4	1300.3	1315.9	1230.0	1171.5	1042.8	1143.2	1320.8	1468.0	1652.4
67.5°	1138.3	1148.1	1314.9	1378.3	1346.1	1319.8	1192.0	1310.0	1467.1	1574.4	1687.5
70°	1077.9	1078.8	1243.7	1428.1	1488.5	1548.0	1396.8	1473.9	1610.5	1667.0	1600.7
72.5°	872.0	878.9	1034.0	1330.5	1592.9	1775.3	1629.0	1627.0	1687.5	1639.7	1316.9
75°	487.7	489.7	632.1	972.5	1450.5	1802.6	1711.9	1662.2	1601.7	1423.2	930.6
77.5°	148.3	165.8	221.4	494.6	1015.4	1498.3	1473.9	1462.2	1339.3	1003.7	506.3
80°	75.1	78.0	99.5	170.7	524.8	992.0	1013.5	1049.6	835.0	433.1	235.1
82.5°	42.9	44.9	60.5	90.7	223.4	554.1	608.7	573.6	359.0	203.9	162.9
85°	21.5	21.5	28.3	41.9	104.4	219.5	254.6	205.8	155.1	134.6	131.7
87.5°	11.7	11.7	9.8	12.7	32.2	48.8	56.6	77.1	82.9	84.9	112.2
90°	12.7	12.7	9.8	10.7	23.4	43.9	62.4	75.1	77.1	81.0	114.1
92.5°	12.7	12.7	9.8	9.8	21.5	51.7	71.2	81.9	80.0	86.8	117.1
95°	12.7	11.7	8.8	9.8	18.5	55.6	67.3	86.8	77.1	78.0	97.5
97.5°	7.8	7.8	5.9	7.8	13.7	42.9	46.8	62.4	52.7	35.1	45.8
100°	5.9	5.9	3.9	5.9	7.8	20.5	19.5	30.2	23.4	7.8	11.7
102.5°	5.9	6.8	3.9	3.9	4.9	5.9	6.8	9.8	9.8	5.9	7.8
105°	6.8	6.8	2.9	2.9	2.9	2.9	3.9	3.9	3.9	4.9	7.8
107.5°	5.9	5.9	2.9	2.0	2.0	2.9	2.9	2.0	2.9	3.9	8.8
110°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.9	3.9	6.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	2.0	2.9	1.0	2.0	1.0	2.0	2.0	2.0	2.0	2.9	3.9
115°	2.9	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.9	3.9
117.5°	2.9	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.9	4.9
120°	2.9	2.9	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.9	3.9
122.5°	2.9	2.9	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.9	3.9
125°	2.9	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.9	3.9
127.5°	2.9	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.9	3.9
130°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.9
132.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.9
135°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
142.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
150°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
5°	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
7.5°	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
10°	2.9	2.9	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0
12.5°	17.6	16.6	11.7	6.8	2.9	2.0	2.0	2.0	2.9	3.9	3.9
15°	67.3	65.4	63.4	57.6	16.6	3.9	2.9	8.8	34.1	47.8	55.6
17.5°	79.0	78.0	76.1	72.2	66.3	22.4	29.3	62.4	74.1	76.1	78.0
20°	145.3	142.4	110.2	82.9	76.1	80.0	70.2	78.0	81.9	84.9	87.8
22.5°	172.7	169.7	160.9	147.3	90.7	105.3	101.4	89.7	136.6	147.3	149.2
25°	201.9	197.0	178.5	163.9	151.2	117.1	125.8	142.4	154.1	161.9	161.9
27.5°	287.8	278.0	254.6	180.5	167.8	143.4	154.1	151.2	170.7	209.7	212.6
30°	311.2	300.4	267.3	223.4	178.5	165.8	159.0	195.1	220.5	229.2	232.2
32.5°	414.6	404.8	346.3	230.2	196.1	165.8	184.4	202.9	220.5	261.4	265.3
35°	435.0	419.4	359.0	265.3	195.1	173.6	185.3	206.8	255.6	274.1	278.0
37.5°	455.5	439.9	358.0	254.6	207.8	176.6	181.4	211.7	238.0	250.7	253.6
40°	483.8	460.4	351.2	237.0	198.0	169.7	179.5	199.0	214.6	218.5	221.4
42.5°	520.9	488.7	343.4	219.5	183.4	159.0	167.8	182.4	192.2	186.3	186.3
45°	572.6	522.8	328.7	201.9	169.7	147.3	158.0	168.8	173.6	162.9	160.0
47.5°	637.0	563.8	313.1	185.3	160.9	140.5	152.2	160.9	160.9	146.3	144.4
50°	715.0	614.5	292.6	171.7	151.2	136.6	146.3	154.1	149.2	134.6	133.6
52.5°	834.0	691.6	273.1	160.0	142.4	132.7	145.3	144.4	137.5	124.9	123.9
55°	981.3	792.1	255.6	151.2	136.6	125.8	142.4	138.5	130.7	119.0	119.0
57.5°	1127.6	902.3	237.0	145.3	129.7	120.0	137.5	135.6	126.8	115.1	114.1
60°	1271.0	1003.7	209.7	140.5	121.0	114.1	131.7	136.6	124.9	113.2	113.2
62.5°	1387.1	1052.5	179.5	132.7	112.2	110.2	128.8	140.5	134.6	129.7	129.7
65°	1425.1	1023.2	156.1	126.8	106.3	107.3	129.7	155.1	157.0	162.9	163.9
67.5°	1398.8	940.3	140.5	121.9	102.4	112.2	148.3	174.6	169.7	173.6	175.6
70°	1284.7	818.4	131.7	116.1	102.4	120.0	162.9	174.6	167.8	179.5	180.5
72.5°	1042.8	662.3	123.9	111.2	98.5	119.0	171.7	172.7	167.8	181.4	179.5
75°	707.2	456.5	117.1	105.3	93.6	110.2	173.6	172.7	163.9	174.6	171.7
77.5°	357.0	232.2	108.3	98.5	86.8	105.3	171.7	173.6	161.9	170.7	167.8
80°	181.4	149.2	96.6	90.7	79.0	103.4	167.8	171.7	155.1	162.9	161.9
82.5°	139.5	117.1	81.0	79.0	72.2	101.4	161.9	165.8	147.3	153.1	149.2
85°	114.1	92.7	59.5	61.5	65.4	102.4	160.9	163.9	142.4	139.5	137.5
87.5°	96.6	71.2	29.3	31.2	47.8	91.7	137.5	135.6	111.2	110.2	112.2
90°	96.6	65.4	19.5	19.5	39.0	65.4	90.7	81.9	77.1	81.9	81.0
92.5°	95.6	59.5	20.5	20.5	43.9	72.2	102.4	84.9	79.0	81.0	80.0
95°	79.0	48.8	23.4	22.4	38.0	80.0	106.3	86.8	81.0	78.0	78.0
97.5°	40.0	27.3	22.4	22.4	30.2	65.4	84.9	68.3	51.7	42.9	45.8
100°	9.8	10.7	21.5	21.5	18.5	33.2	46.8	41.9	21.5	10.7	9.8
102.5°	7.8	6.8	16.6	18.5	11.7	11.7	21.5	24.4	16.6	4.9	4.9
105°	7.8	6.8	7.8	9.8	5.9	4.9	7.8	13.7	7.8	4.9	4.9
107.5°	8.8	7.8	3.9	3.9	3.9	3.9	3.9	4.9	3.9	4.9	4.9
110°	7.8	6.8	3.9	3.9	2.9	3.9	2.9	3.9	3.9	4.9	4.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.9	4.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9	4.9	4.9
115°	4.9	4.9	2.9	2.9	2.0	2.9	2.9	2.9	3.9	5.9	5.9
117.5°	4.9	3.9	2.9	2.0	2.0	2.0	2.0	2.9	3.9	5.9	5.9
120°	4.9	3.9	2.9	2.0	2.0	2.0	2.0	2.0	3.9	5.9	5.9
122.5°	4.9	3.9	2.9	2.0	2.0	2.0	2.0	2.0	3.9	5.9	5.9
125°	3.9	3.9	2.9	2.0	2.0	2.0	2.0	2.0	2.9	5.9	5.9
127.5°	3.9	3.9	2.9	2.0	2.0	2.0	2.0	2.0	2.9	4.9	5.9
130°	3.9	3.9	2.0	2.0	1.0	1.0	2.0	2.0	2.9	4.9	4.9
132.5°	2.9	2.9	2.0	1.0	1.0	1.0	2.0	2.0	2.9	4.9	4.9
135°	2.9	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.9	3.9	3.9
137.5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	2.9
140°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	2.9
142.5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	2.9
145°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	2.9
147.5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	2.9
150°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	2.9
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)