

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: P694532

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T2R-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)
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-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2570.9 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium
BUG Rating: B1 - U2 - G1

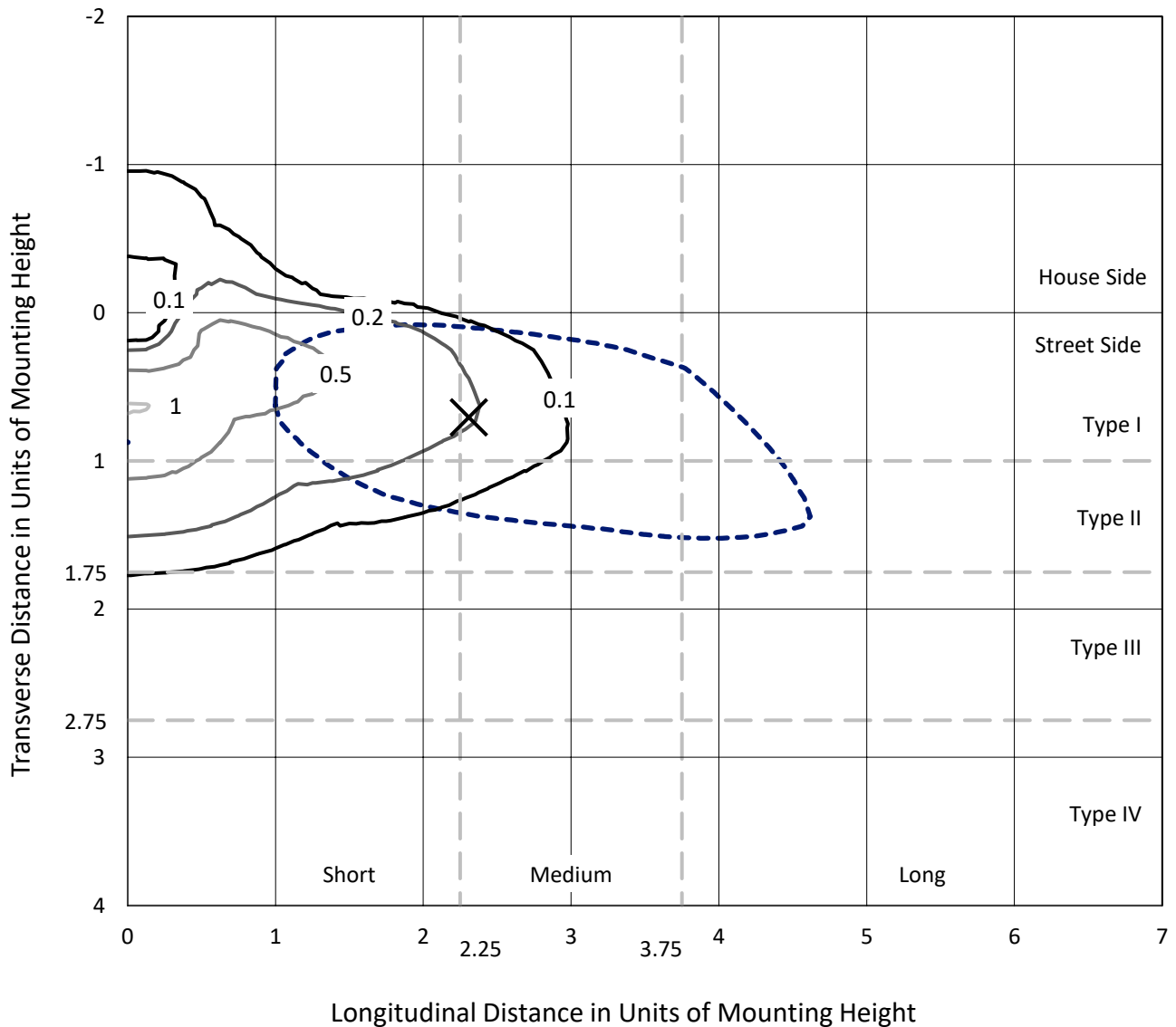
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

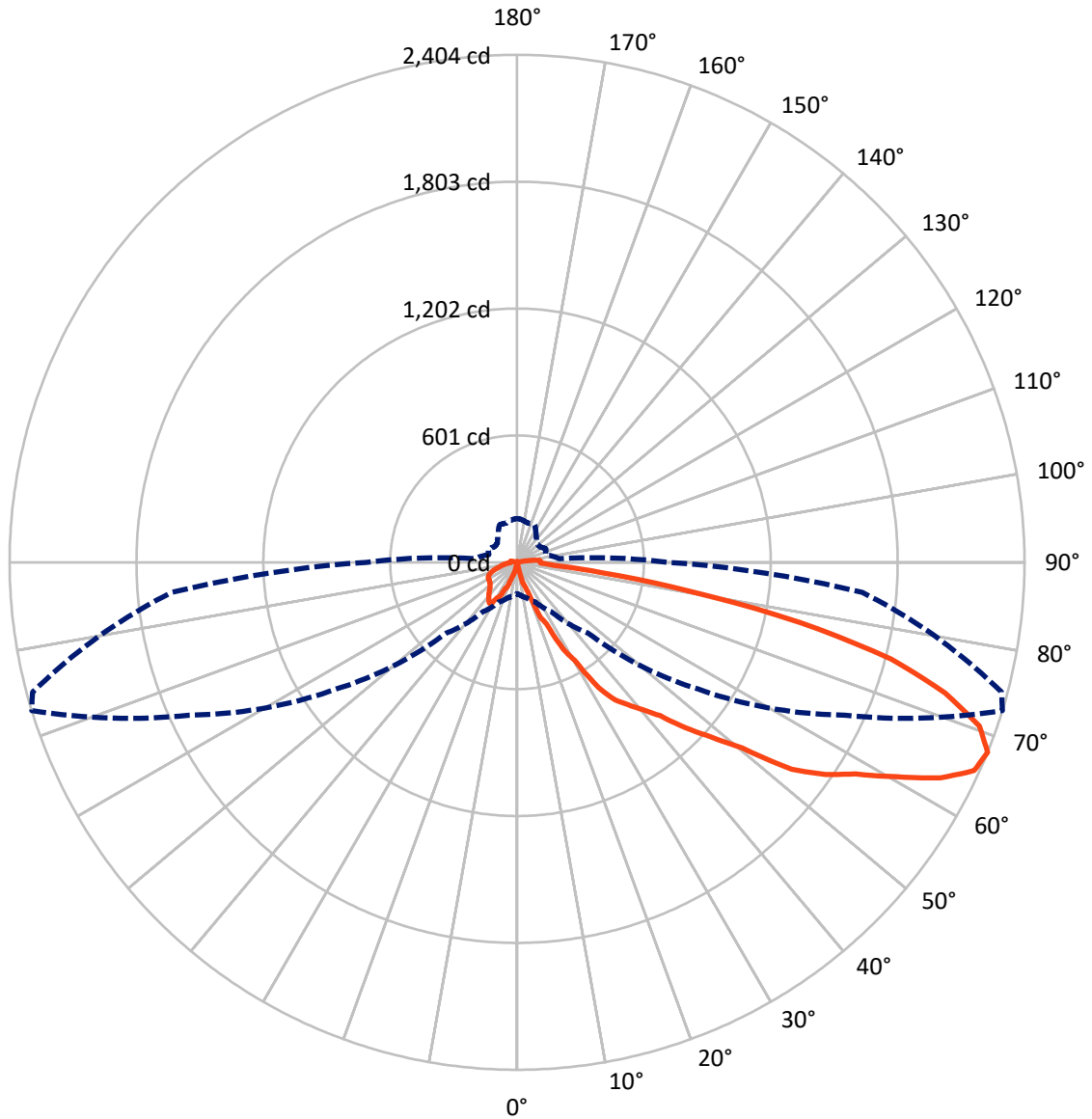
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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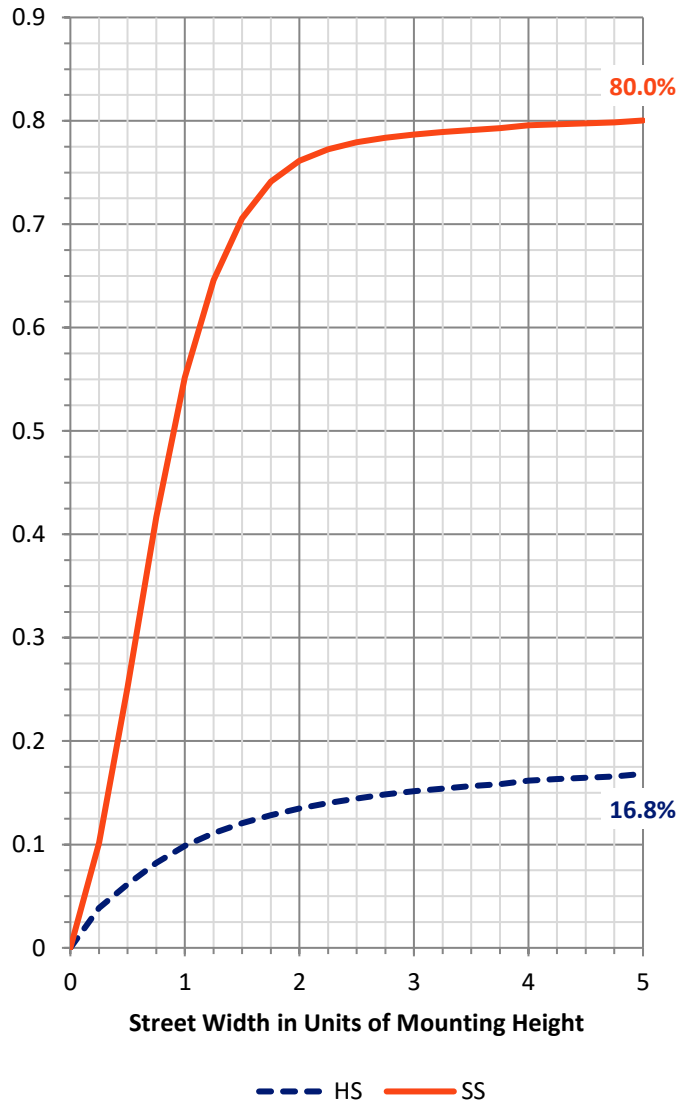
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	454.5	19.3	473.8
	% Fixture	17.7	0.8	18.4
Street Side	Lumens	2073.4	23.8	2097.1
	% Fixture	80.6	0.9	81.6
Total	Lumens	2527.9	43.1	2570.9
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	20.8	0.8
20°-30°	128.7	5.0
30°-40°	323.7	12.6
40°-50°	467.5	18.2
50°-60°	571.7	22.2
60°-70°	563.7	21.9
70°-80°	354.6	13.8
80°-90°	97.0	3.8
90°-100°	28.2	1.1
100°-110°	6.1	0.2
110°-120°	3.1	0.1
120°-130°	2.5	0.1
130°-140°	1.8	0.1
140°-150°	1.3	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2527.9	98.3
0°-180°	2570.9	100.0

Coefficient of Utilization

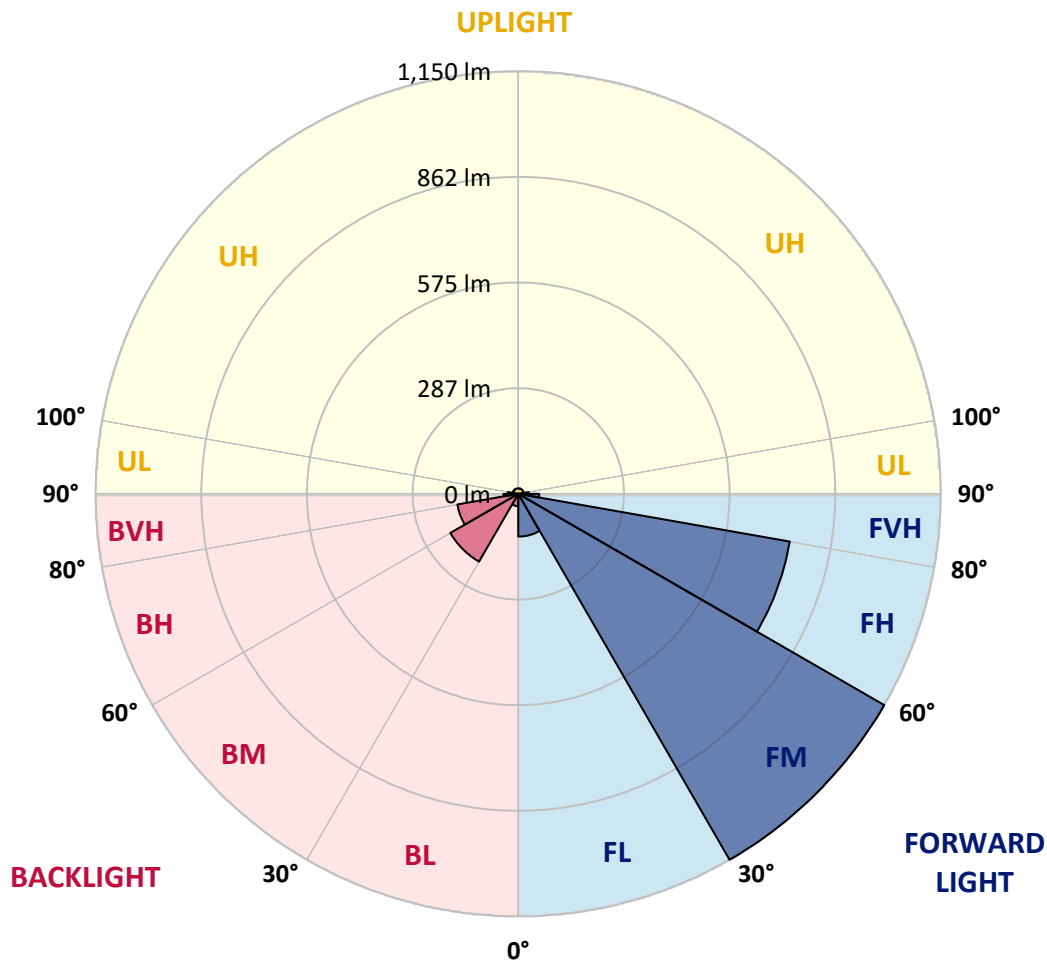


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.4	4.5			
FM (30°-60°)	1149.8	44.7			
FH (60°-80°)	750.2	29.2			G1/1800
FVH (80°-90°)	57.1	2.2			G1/100
BL (0°-30°)	33.4	1.3	B0/110		
BM (30°-60°)	213.2	8.3	B0/220		
BH (60°-80°)	168.1	6.5	B1/500		G1/500
BVH (80°-90°)	39.8	1.5			G1/100
UL (90°-100°)	28.2	1.1		U2/50	
UH (100°-180°)	14.9	0.6		U2/50	

BUG Rating: B1-U2-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8
5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8
7.5°	3.7	4.6	3.7	3.7	3.7	3.7	3.7	2.7	1.8	1.8	1.8
10°	15.5	14.6	10.0	9.1	5.5	4.6	3.7	2.7	2.7	2.7	2.7
12.5°	122.3	121.4	118.7	106.8	18.3	9.1	5.5	7.3	10.0	11.9	13.7
15°	140.6	142.4	139.7	136.9	132.4	43.8	19.2	105.9	98.6	94.9	73.0
17.5°	253.8	189.9	167.1	163.4	153.4	128.7	116.9	129.6	117.8	114.1	88.6
20°	348.8	346.9	340.5	328.7	184.4	234.6	224.6	152.5	154.3	163.4	174.4
22.5°	389.8	388.0	379.8	367.0	383.4	270.2	254.7	283.0	280.3	272.1	210.9
25°	639.1	630.9	586.1	427.3	428.2	377.1	390.7	364.3	321.4	313.1	245.6
27.5°	692.9	697.5	686.6	623.6	490.3	502.1	429.1	419.1	467.4	481.1	371.6
30°	926.7	948.6	843.6	711.2	642.7	548.7	525.9	575.2	540.5	525.0	406.3
32.5°	1082.8	1072.7	1052.7	887.4	729.5	657.3	656.4	634.5	707.5	705.7	570.6
35°	1144.9	1136.6	1116.6	972.3	839.0	771.5	713.9	788.8	800.7	770.5	608.9
37.5°	1191.4	1182.3	1158.6	1003.4	926.7	818.0	841.8	845.4	856.4	850.0	642.7
40°	1194.2	1188.7	1172.2	1047.2	975.0	854.5	912.1	920.3	917.5	934.0	685.6
42.5°	1184.1	1173.2	1163.1	1055.4	1000.6	882.8	965.9	1013.4	993.3	1017.0	735.9
45°	1144.9	1132.1	1127.5	1055.4	997.0	902.0	1028.9	1101.0	1116.6	1095.6	790.6
47.5°	1078.2	1075.5	1077.3	1030.7	993.3	923.9	1089.2	1167.7	1235.2	1202.4	871.0
50°	1010.7	1015.2	1028.0	1002.4	982.4	936.7	1165.9	1282.7	1382.2	1337.5	991.5
52.5°	903.8	910.2	946.7	956.8	951.3	935.8	1225.2	1437.9	1628.7	1566.7	1116.6
55°	806.1	809.8	834.5	871.0	892.0	916.6	1248.9	1506.4	1773.9	1703.6	1197.8
57.5°	694.8	687.5	719.4	772.4	819.8	890.1	1273.6	1560.3	1890.8	1852.4	1303.7
60°	562.4	546.9	593.4	642.7	714.9	835.4	1289.1	1653.4	2062.4	2040.5	1458.0
62.5°	378.9	386.2	432.7	499.4	599.8	743.2	1271.8	1738.3	2248.6	2235.9	1586.7
65°	238.3	248.3	278.5	336.0	438.2	625.4	1198.7	1778.5	2378.3	2356.4	1660.7
67.5°	148.8	155.2	174.4	209.1	287.6	473.8	1047.2	1713.6	2403.8	2375.5	1642.4
70°	123.3	125.1	127.8	136.0	177.1	327.8	832.6	1545.7	2322.6	2327.2	1566.7
72.5°	110.5	112.3	112.3	111.4	114.1	205.4	593.4	1311.0	2119.9	2119.9	1416.0
75°	101.3	102.3	99.5	98.6	96.8	127.8	362.4	1039.0	1830.5	1795.8	1183.2
77.5°	89.5	91.3	88.6	88.6	87.6	97.7	210.0	792.5	1371.3	1312.8	797.9
80°	76.7	76.7	76.7	76.7	77.6	77.6	131.5	544.1	826.2	761.4	430.9
82.5°	61.2	60.3	62.1	65.7	63.9	59.3	101.3	316.8	400.8	363.4	212.7
85°	23.7	29.2	33.8	41.1	42.9	41.1	77.6	156.1	170.7	182.6	131.5
87.5°	13.7	13.7	11.0	11.0	11.9	16.4	48.4	94.0	110.5	124.2	115.9
90°	14.6	14.6	11.0	10.0	10.0	13.7	42.0	85.8	112.3	125.1	117.8
92.5°	15.5	15.5	11.0	10.0	10.0	11.0	34.7	76.7	111.4	127.8	115.0
95°	13.7	14.6	10.0	9.1	10.0	10.0	25.6	61.2	103.2	105.0	107.7
97.5°	9.1	10.0	6.4	7.3	9.1	8.2	13.7	35.6	54.8	42.0	50.2
100°	5.5	6.4	4.6	5.5	6.4	6.4	7.3	15.5	13.7	9.1	9.1
102.5°	5.5	5.5	3.7	4.6	4.6	3.7	3.7	6.4	5.5	5.5	9.1
105°	5.5	5.5	3.7	3.7	2.7	2.7	2.7	4.6	4.6	5.5	9.1
107.5°	3.7	4.6	2.7	2.7	2.7	2.7	1.8	2.7	4.6	4.6	10.0
110°	2.7	2.7	1.8	1.8	1.8	2.7	1.8	2.7	3.7	4.6	7.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	1.8	2.7	1.8	1.8	1.8	1.8	1.8	2.7	3.7	3.7	4.6
115°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	3.7	5.5
117.5°	2.7	2.7	1.8	1.8	0.9	1.8	1.8	1.8	2.7	3.7	5.5
120°	2.7	2.7	1.8	1.8	0.9	0.9	1.8	1.8	3.7	3.7	5.5
122.5°	2.7	2.7	1.8	0.9	0.9	0.9	1.8	1.8	2.7	3.7	5.5
125°	2.7	2.7	1.8	0.9	0.9	0.9	1.8	1.8	2.7	3.7	4.6
127.5°	2.7	2.7	1.8	0.9	0.9	0.9	1.8	1.8	2.7	2.7	4.6
130°	2.7	2.7	1.8	0.9	0.9	0.9	1.8	1.8	2.7	2.7	4.6
132.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	3.7
135°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
140°	2.7	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8
145°	3.7	3.7	3.7	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	3.7	3.7	3.7	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8
150°	3.7	4.6	3.7	2.7	1.8	1.8	1.8	1.8	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	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
5°	1.8	1.8	1.8	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8
7.5°	1.8	1.8	1.8	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8
10°	2.7	1.8	1.8	0.9	0.9	0.9	0.9	0.9	1.8	1.8	0.9
12.5°	13.7	13.7	10.0	4.6	1.8	0.9	0.9	0.9	2.7	2.7	2.7
15°	66.6	60.3	53.9	47.5	12.8	1.8	1.8	8.2	31.0	43.8	45.6
17.5°	77.6	70.3	63.0	57.5	51.1	19.2	21.0	54.8	56.6	57.5	56.6
20°	149.7	133.3	86.7	65.7	56.6	59.3	52.0	58.4	63.0	64.8	64.8
22.5°	178.0	153.4	131.5	115.0	67.6	81.3	75.8	67.6	105.0	107.7	108.6
25°	206.3	174.4	141.5	122.3	117.8	84.0	89.5	103.2	111.4	113.2	112.3
27.5°	301.3	248.3	198.1	132.4	125.1	105.0	112.3	108.6	118.7	145.2	147.9
30°	324.1	258.4	201.8	160.7	131.5	123.3	115.9	141.5	153.4	153.4	154.3
32.5°	449.2	345.1	248.3	160.7	145.2	124.2	138.8	147.9	155.2	166.2	162.5
35°	470.2	348.8	245.6	186.2	145.2	130.6	143.3	152.5	186.2	189.9	189.0
37.5°	487.5	345.1	231.9	180.8	157.0	138.8	146.1	174.4	188.1	187.2	185.3
40°	506.7	339.6	218.2	177.1	156.1	139.7	156.1	175.3	183.5	178.9	174.4
42.5°	528.6	331.4	206.3	168.9	152.5	140.6	157.0	170.7	169.8	167.1	164.3
45°	556.9	322.3	192.6	161.6	150.6	138.8	154.3	158.9	165.2	163.4	161.6
47.5°	598.9	313.1	180.8	155.2	148.8	136.0	156.1	161.6	167.1	162.5	161.6
50°	661.0	300.4	170.7	153.4	147.9	144.2	143.3	166.2	170.7	159.8	157.9
52.5°	703.0	285.8	165.2	151.6	145.2	140.6	152.5	164.3	168.9	156.1	155.2
55°	731.3	264.8	160.7	151.6	143.3	132.4	165.2	168.0	168.0	153.4	151.6
57.5°	762.3	250.2	157.9	154.3	142.4	123.3	172.6	171.6	168.0	148.8	149.7
60°	807.1	241.0	155.2	157.0	142.4	126.0	169.8	179.9	168.0	151.6	157.0
62.5°	832.6	231.9	153.4	157.9	140.6	126.0	164.3	191.7	181.7	169.8	170.7
65°	797.0	220.0	147.9	157.0	137.9	128.7	158.9	196.3	194.5	189.0	189.9
67.5°	715.8	199.9	137.9	150.6	128.7	130.6	156.1	196.3	192.6	204.5	207.2
70°	625.4	176.2	123.3	139.7	122.3	128.7	162.5	189.9	189.9	211.8	216.4
72.5°	529.5	144.2	106.8	127.8	122.3	125.1	169.8	182.6	182.6	211.8	210.9
75°	434.6	115.0	89.5	109.6	113.2	125.1	168.9	174.4	169.8	193.5	189.0
77.5°	317.7	91.3	76.7	92.2	102.3	125.1	163.4	162.5	155.2	166.2	164.3
80°	195.4	72.1	64.8	78.5	85.8	119.6	154.3	147.9	135.1	140.6	138.8
82.5°	113.2	53.9	54.8	66.6	68.5	109.6	139.7	128.7	115.0	117.8	115.0
85°	73.0	34.7	42.9	51.1	53.9	89.5	119.6	108.6	93.1	120.5	115.0
87.5°	56.6	20.1	29.2	33.8	32.9	39.3	68.5	64.8	63.9	52.0	50.2
90°	53.0	17.3	29.2	29.2	23.7	19.2	26.5	27.4	22.8	24.7	21.9
92.5°	47.5	17.3	31.0	29.2	21.0	15.5	21.9	21.9	17.3	16.4	15.5
95°	39.3	15.5	32.9	30.1	19.2	13.7	18.3	17.3	13.7	12.8	11.9
97.5°	21.0	10.0	31.0	27.4	17.3	12.8	16.4	14.6	10.0	9.1	8.2
100°	7.3	6.4	30.1	23.7	14.6	10.0	11.9	11.0	6.4	5.5	4.6
102.5°	6.4	5.5	17.3	17.3	9.1	5.5	7.3	7.3	5.5	4.6	4.6
105°	7.3	5.5	6.4	9.1	4.6	2.7	3.7	4.6	4.6	5.5	5.5
107.5°	7.3	5.5	4.6	4.6	3.7	2.7	2.7	2.7	4.6	5.5	5.5
110°	6.4	5.5	3.7	4.6	3.7	2.7	2.7	2.7	4.6	6.4	6.4

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CANDELA DISTRIBUTION (continued):

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