

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: P694784

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-727-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND
TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2988 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

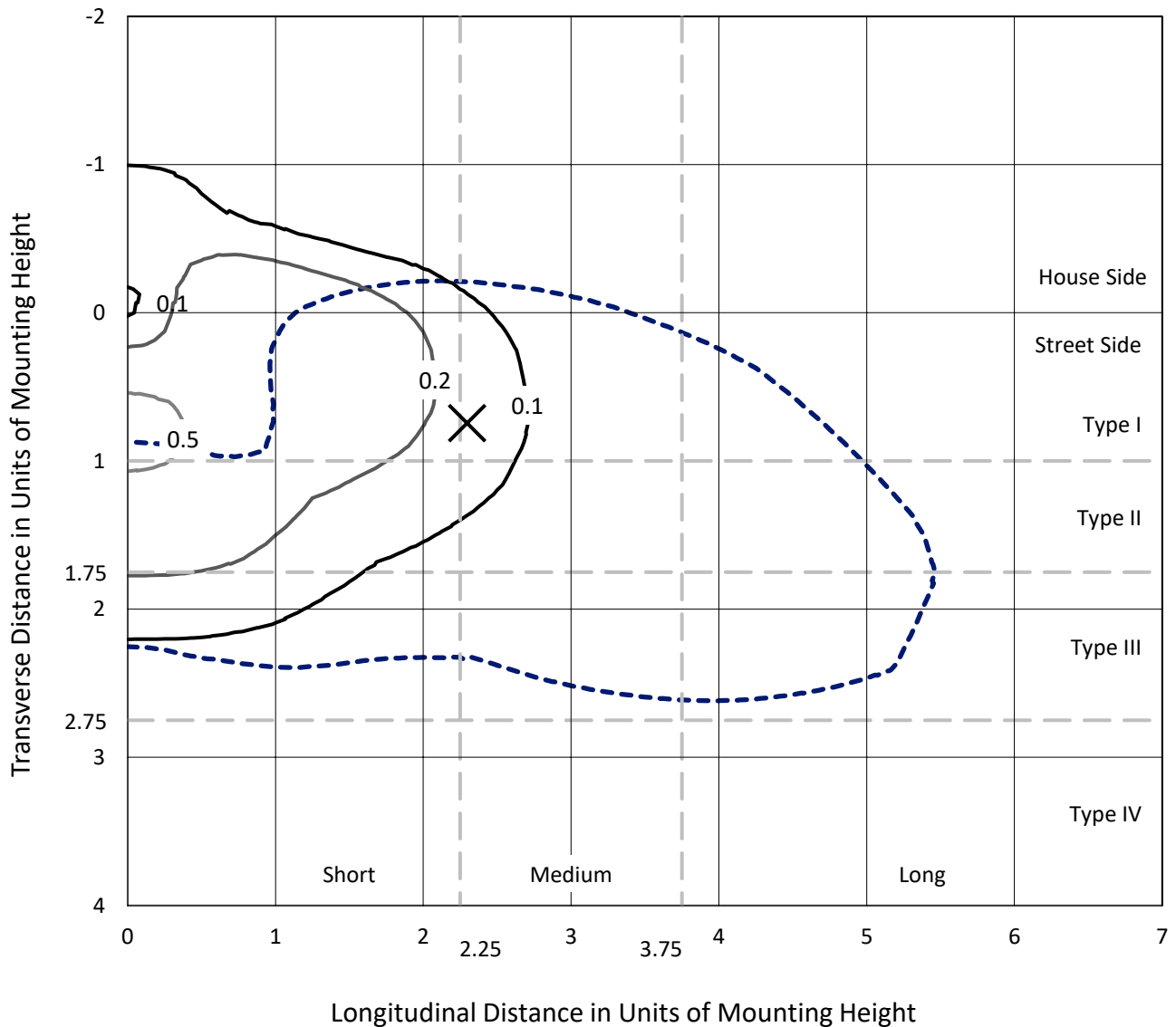
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

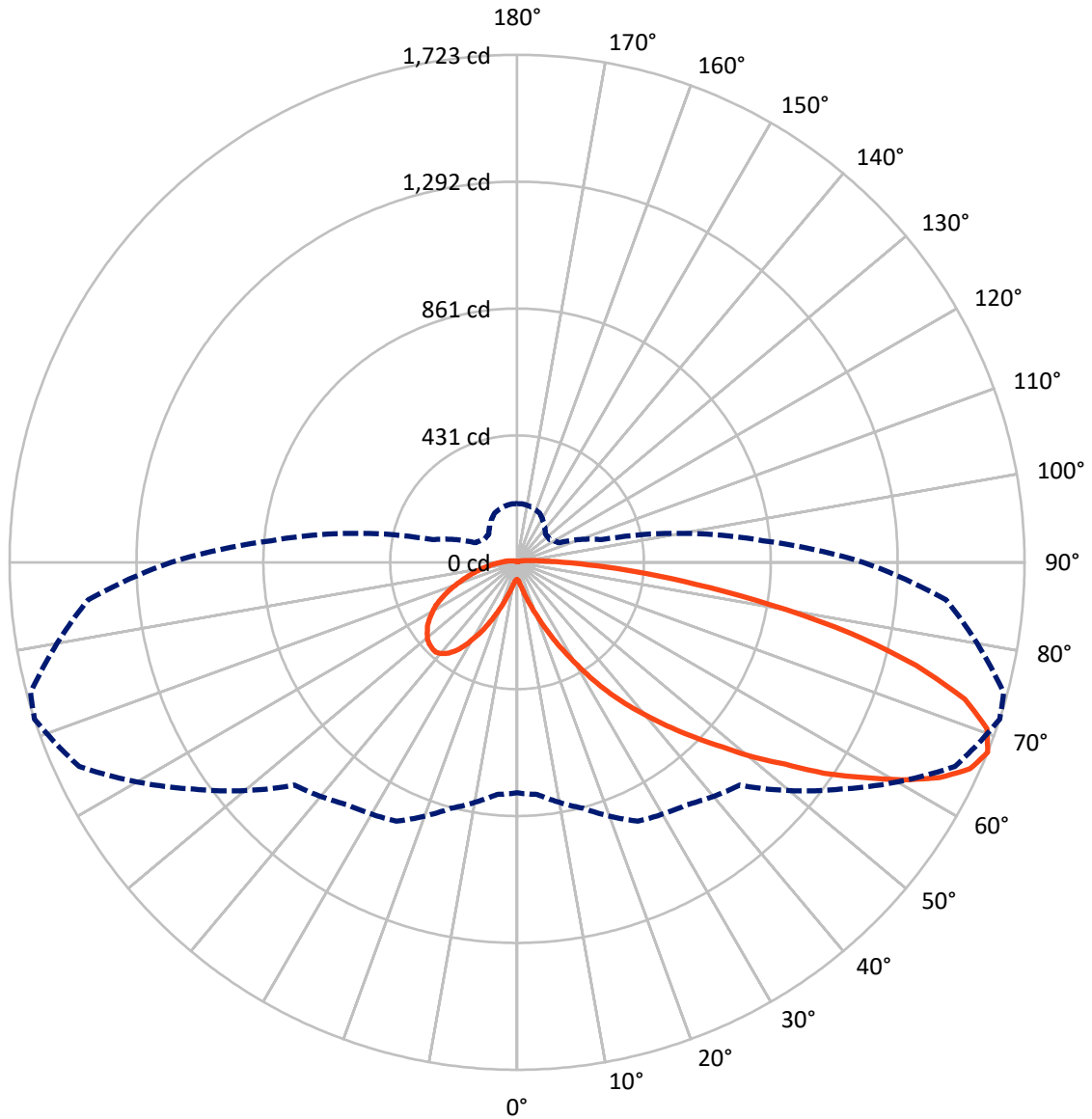
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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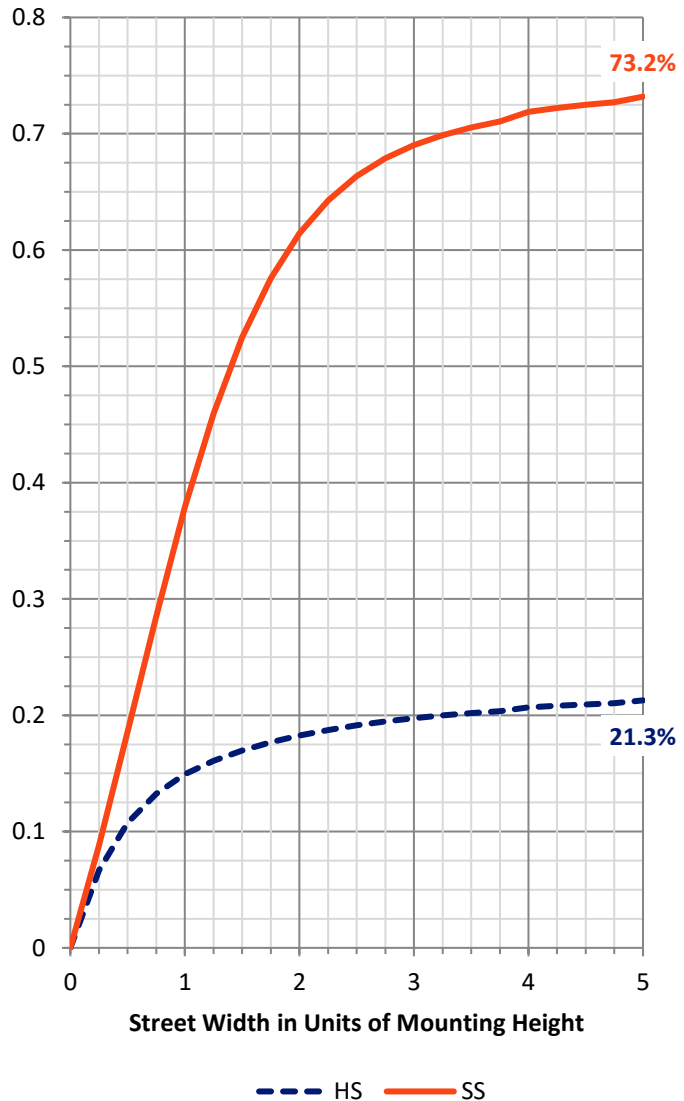
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	667.4	50.1	717.5
	% Fixture	22.3	1.7	24.0
Street Side	Lumens	2224.3	46.2	2270.5
	% Fixture	74.4	1.5	76.0
Total	Lumens	2891.7	96.3	2988.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	0.2
10°-20°	35.2	1.2
20°-30°	113.1	3.8
30°-40°	252.9	8.5
40°-50°	421.7	14.1
50°-60°	613.8	20.5
60°-70°	735.6	24.6
70°-80°	528.1	17.7
80°-90°	184.5	6.2
90°-100°	50.5	1.7
100°-110°	21.7	0.7
110°-120°	11.2	0.4
120°-130°	6.6	0.2
130°-140°	4.1	0.1
140°-150°	2.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2891.7	96.8
0°-180°	2988.0	100.0

Coefficient of Utilization

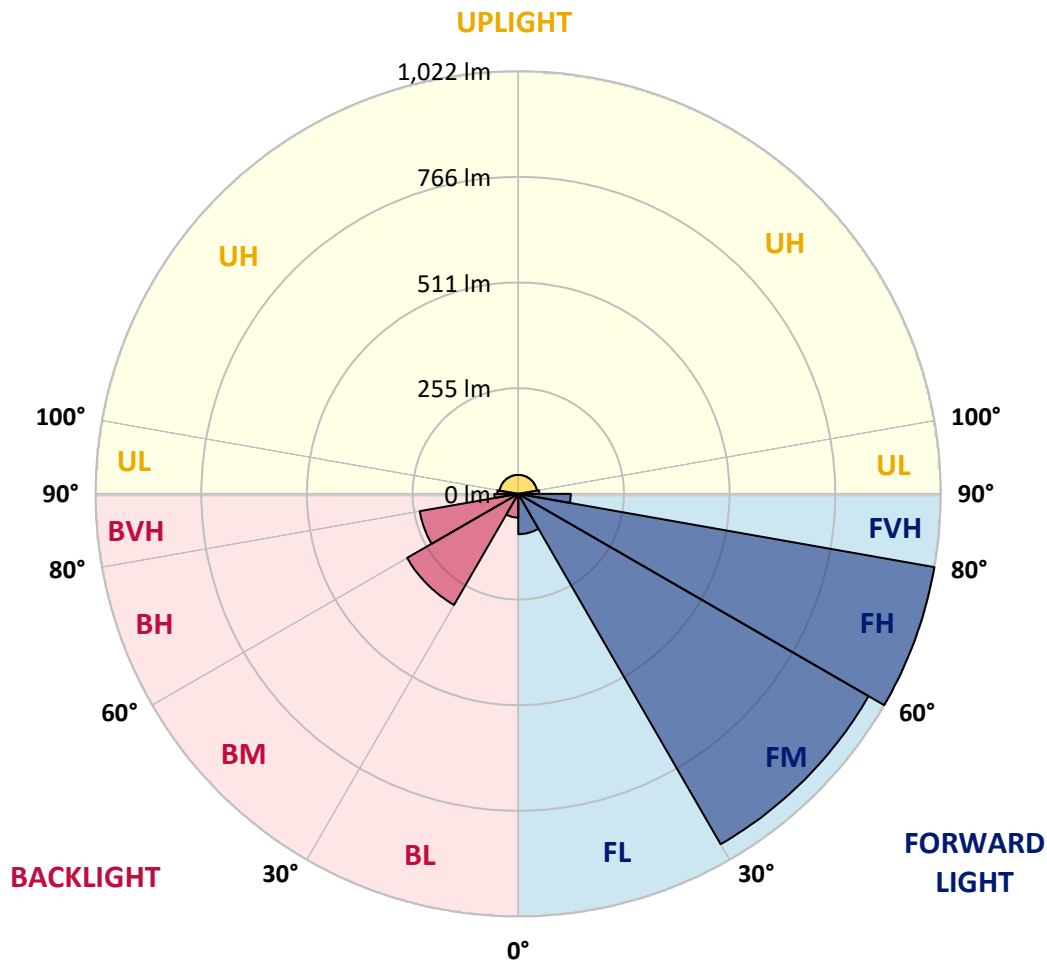


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	97.5	3.3			
FM (30°-60°)	978.2	32.7			
FH (60°-80°)	1021.7	34.2			G1/1800
FVH (80°-90°)	126.9	4.2			G2/225
BL (0°-30°)	57.5	1.9	B0/110		
BM (30°-60°)	310.2	10.4	B1/1000		
BH (60°-80°)	242.0	8.1	B1/500		G1/500
BVH (80°-90°)	57.7	1.9			G1/100
UL (90°-100°)	50.5	1.7		U3/500	
UH (100°-180°)	45.8	1.5		U2/50	

BUG Rating: B1-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
2.5°	62.0	62.0	62.0	63.1	62.0	62.0	62.0	60.9	60.9	60.9	59.8
5°	71.8	71.8	70.7	70.7	69.6	69.6	68.6	67.5	66.4	65.3	64.2
7.5°	83.8	83.8	82.7	82.7	81.6	79.4	78.3	76.2	75.1	74.0	72.9
10°	102.3	101.2	101.2	100.1	97.9	95.8	93.6	90.3	88.1	87.1	84.9
12.5°	126.2	125.1	124.0	119.7	117.5	114.3	111.0	108.8	106.6	104.5	101.2
15°	156.7	155.6	152.3	149.1	141.5	138.2	133.8	132.8	130.6	129.5	124.0
17.5°	193.7	190.4	188.2	180.6	173.0	165.4	163.2	161.0	160.0	158.9	155.6
20°	239.4	236.1	231.8	217.6	208.9	200.2	194.8	195.9	194.8	194.8	191.5
22.5°	294.9	296.0	284.0	265.5	245.9	235.0	232.9	236.1	238.3	240.5	234.0
25°	362.4	361.3	342.8	317.7	292.7	277.5	275.3	281.8	289.4	293.8	288.4
27.5°	437.4	432.0	413.5	376.5	344.9	322.1	323.2	337.3	344.9	348.2	343.9
30°	515.8	513.6	486.4	441.8	396.1	367.8	372.1	392.8	407.0	414.6	403.7
32.5°	600.7	594.1	562.6	510.3	450.5	415.7	425.5	454.8	477.7	478.8	473.3
35°	681.2	681.2	644.2	581.1	507.1	465.7	477.7	525.6	548.4	555.0	543.0
37.5°	760.6	755.2	723.6	645.3	563.7	514.7	531.0	587.6	619.2	625.7	610.5
40°	827.0	825.9	790.0	716.0	614.8	562.6	584.3	654.0	691.0	701.9	676.8
42.5°	894.5	890.1	861.8	778.0	675.7	611.5	640.9	725.8	767.1	773.7	747.6
45°	944.5	941.2	920.6	843.3	733.4	663.8	700.8	797.6	848.8	855.3	815.0
47.5°	992.4	992.4	975.0	910.8	793.3	722.5	769.3	882.5	935.8	946.7	901.0
50°	1039.2	1034.8	1030.5	975.0	854.2	787.8	836.8	971.7	1038.1	1049.0	985.9
52.5°	1066.4	1072.9	1078.4	1040.3	922.7	849.8	918.4	1068.6	1138.2	1153.4	1084.9
55°	1091.4	1088.1	1113.2	1088.1	981.5	918.4	1009.8	1179.6	1263.3	1268.8	1191.5
57.5°	1090.3	1093.6	1130.6	1132.8	1039.2	981.5	1095.8	1289.5	1376.5	1395.0	1289.5
60°	1064.2	1072.9	1120.8	1143.6	1084.9	1038.1	1185.0	1404.8	1499.5	1518.0	1386.3
62.5°	1010.9	1014.2	1082.7	1132.8	1097.9	1081.6	1264.4	1511.4	1609.4	1608.3	1460.3
65°	910.8	916.2	989.1	1070.7	1074.0	1092.5	1318.8	1598.5	1689.9	1683.4	1484.2
67.5°	782.4	791.1	864.0	969.5	1004.4	1069.6	1341.7	1639.8	1722.5	1709.5	1461.4
70°	621.3	643.1	700.8	811.8	901.0	996.7	1311.2	1629.0	1692.1	1674.7	1367.8
72.5°	457.0	466.8	527.8	636.6	746.5	889.0	1212.2	1538.6	1589.8	1548.4	1220.9
75°	321.0	324.3	375.4	469.0	587.6	742.1	1063.1	1363.4	1399.4	1359.1	1018.5
77.5°	198.0	204.6	244.8	322.1	432.0	592.0	865.1	1136.0	1158.9	1106.6	794.3
80°	121.9	126.2	154.5	213.3	300.3	432.0	669.2	862.9	870.5	834.6	568.0
82.5°	78.3	82.7	101.2	137.1	200.2	301.4	471.2	614.8	610.5	572.4	383.0
85°	51.1	54.4	66.4	91.4	132.8	207.8	314.5	408.1	398.3	370.0	249.2
87.5°	33.7	35.9	46.8	64.2	91.4	138.2	202.4	247.0	241.6	223.1	155.6
90°	22.9	23.9	32.6	44.6	64.2	94.7	130.6	149.1	139.3	131.7	101.2
92.5°	16.3	18.5	23.9	33.7	49.0	67.5	84.9	92.5	87.1	83.8	68.6
95°	13.1	13.1	19.6	27.2	38.1	51.1	59.8	59.8	56.6	55.5	50.1
97.5°	10.9	10.9	16.3	22.9	31.6	40.3	43.5	42.4	40.3	41.3	38.1
100°	8.7	9.8	14.1	19.6	26.1	32.6	33.7	31.6	30.5	30.5	29.4
102.5°	7.6	8.7	13.1	17.4	22.9	27.2	28.3	26.1	23.9	23.9	22.9
105°	7.6	7.6	10.9	15.2	19.6	22.9	22.9	20.7	19.6	18.5	17.4
107.5°	6.5	6.5	9.8	14.1	17.4	19.6	19.6	17.4	15.2	15.2	14.1
110°	5.4	6.5	8.7	12.0	15.2	17.4	17.4	15.2	13.1	12.0	12.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	5.4	5.4	7.6	10.9	13.1	15.2	14.1	12.0	10.9	9.8	9.8
115°	5.4	5.4	6.5	9.8	12.0	13.1	13.1	10.9	8.7	8.7	8.7
117.5°	5.4	5.4	6.5	8.7	10.9	12.0	10.9	9.8	7.6	7.6	7.6
120°	5.4	5.4	6.5	7.6	9.8	10.9	9.8	8.7	6.5	6.5	7.6
122.5°	4.4	5.4	5.4	7.6	8.7	9.8	8.7	7.6	6.5	6.5	6.5
125°	4.4	5.4	5.4	6.5	7.6	8.7	7.6	6.5	5.4	5.4	6.5
127.5°	4.4	4.4	5.4	6.5	7.6	7.6	7.6	6.5	5.4	5.4	6.5
130°	4.4	5.4	5.4	5.4	6.5	7.6	6.5	5.4	5.4	5.4	5.4
132.5°	4.4	4.4	5.4	5.4	6.5	6.5	5.4	5.4	4.4	4.4	5.4
135°	4.4	4.4	4.4	5.4	5.4	5.4	5.4	4.4	4.4	4.4	5.4
137.5°	4.4	4.4	4.4	4.4	5.4	5.4	4.4	4.4	4.4	4.4	4.4
140°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.3	4.4	4.4	4.4
142.5°	4.4	4.4	4.4	3.3	4.4	3.3	3.3	3.3	3.3	3.3	4.4
145°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	2.2	2.2	3.3	3.3	3.3
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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°	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
2.5°	58.8	58.8	58.8	57.7	57.7	57.7	56.6	56.6	56.6	56.6	56.6
5°	64.2	63.1	62.0	60.9	58.8	58.8	57.7	57.7	56.6	56.6	56.6
7.5°	71.8	70.7	68.6	66.4	64.2	62.0	60.9	59.8	58.8	58.8	58.8
10°	82.7	81.6	77.3	74.0	70.7	68.6	66.4	65.3	64.2	63.1	63.1
12.5°	99.0	97.9	92.5	86.0	80.5	76.2	72.9	71.8	70.7	69.6	70.7
15°	121.9	119.7	112.1	101.2	93.6	86.0	82.7	81.6	82.7	82.7	81.6
17.5°	152.3	146.9	134.9	120.8	108.8	99.0	94.7	94.7	94.7	95.8	95.8
20°	187.2	181.7	164.3	144.7	125.1	113.2	107.7	107.7	108.8	109.9	112.1
22.5°	228.5	219.8	197.0	168.7	143.6	127.3	120.8	120.8	124.0	127.3	127.3
25°	279.7	268.8	235.0	193.7	162.1	141.5	132.8	133.8	139.3	142.5	143.6
27.5°	335.1	321.0	276.4	223.1	178.5	152.3	143.6	145.8	152.3	157.8	157.8
30°	398.3	374.3	314.5	248.1	192.6	161.0	152.3	156.7	164.3	170.8	171.9
32.5°	455.9	432.0	358.0	272.0	204.6	166.5	157.8	164.3	173.0	180.6	180.6
35°	520.1	489.7	393.9	290.5	211.1	169.8	161.0	169.8	179.5	186.1	186.1
37.5°	582.2	539.7	422.2	301.4	213.3	169.8	162.1	173.0	181.7	187.2	188.2
40°	638.7	588.7	442.9	304.7	211.1	167.6	162.1	173.0	181.7	185.0	186.1
42.5°	699.7	630.0	458.1	301.4	205.7	164.3	161.0	171.9	179.5	180.6	181.7
45°	760.6	675.7	462.5	290.5	198.0	160.0	157.8	168.7	175.2	175.2	175.2
47.5°	827.0	720.4	462.5	277.5	188.2	155.6	155.6	166.5	170.8	169.8	169.8
50°	896.6	762.8	459.2	262.2	179.5	151.3	152.3	164.3	168.7	165.4	165.4
52.5°	969.5	808.5	448.3	243.7	169.8	146.9	151.3	163.2	167.6	164.3	164.3
55°	1057.7	853.1	436.3	226.3	161.0	143.6	150.2	163.2	167.6	164.3	164.3
57.5°	1119.7	892.3	417.8	210.0	154.5	141.5	150.2	165.4	169.8	167.6	167.6
60°	1191.5	918.4	393.9	193.7	148.0	139.3	152.3	167.6	174.1	174.1	174.1
62.5°	1230.7	924.9	368.9	179.5	143.6	138.2	154.5	171.9	180.6	181.7	182.8
65°	1230.7	896.6	334.1	167.6	139.3	137.1	156.7	177.4	188.2	191.5	192.6
67.5°	1175.2	837.9	297.1	156.7	134.9	136.0	158.9	182.8	193.7	199.1	199.1
70°	1083.8	745.4	257.9	145.8	130.6	134.9	160.0	185.0	197.0	202.4	202.4
72.5°	933.6	637.7	220.9	137.1	126.2	132.8	158.9	185.0	195.9	200.2	199.1
75°	756.3	509.3	185.0	127.3	120.8	127.3	153.4	179.5	188.2	190.4	190.4
77.5°	588.7	388.5	155.6	116.4	113.2	120.8	145.8	168.7	176.3	177.4	176.3
80°	418.9	280.7	130.6	106.6	104.5	111.0	132.8	152.3	158.9	160.0	157.8
82.5°	281.8	201.3	106.6	93.6	93.6	100.1	118.6	133.8	139.3	138.2	137.1
85°	182.8	136.0	87.1	80.5	81.6	88.1	101.2	113.2	116.4	115.3	112.1
87.5°	119.7	95.8	69.6	68.6	69.6	75.1	84.9	91.4	95.8	93.6	92.5
90°	81.6	68.6	56.6	56.6	58.8	63.1	69.6	72.9	74.0	74.0	72.9
92.5°	59.8	53.3	46.8	46.8	50.1	53.3	56.6	57.7	59.8	58.8	57.7
95°	45.7	43.5	39.2	39.2	42.4	45.7	46.8	45.7	47.9	47.9	46.8
97.5°	35.9	35.9	33.7	33.7	35.9	38.1	39.2	38.1	39.2	38.1	38.1
100°	28.3	28.3	29.4	29.4	30.5	32.6	32.6	32.6	32.6	31.6	30.5
102.5°	22.9	23.9	25.0	26.1	27.2	27.2	28.3	27.2	27.2	25.0	25.0
105°	18.5	18.5	20.7	21.8	22.9	23.9	23.9	23.9	22.9	20.7	20.7
107.5°	15.2	16.3	17.4	19.6	19.6	20.7	21.8	20.7	18.5	16.3	17.4
110°	12.0	13.1	15.2	16.3	17.4	18.5	18.5	17.4	15.2	14.1	14.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.9	10.9	13.1	14.1	15.2	16.3	16.3	15.2	13.1	12.0	12.0
115°	9.8	9.8	10.9	12.0	13.1	14.1	14.1	13.1	10.9	9.8	9.8
117.5°	8.7	8.7	9.8	10.9	12.0	13.1	12.0	12.0	9.8	8.7	8.7
120°	7.6	8.7	8.7	9.8	10.9	10.9	10.9	9.8	8.7	8.7	8.7
122.5°	7.6	7.6	8.7	8.7	9.8	9.8	9.8	8.7	7.6	7.6	7.6
125°	6.5	7.6	7.6	7.6	8.7	8.7	8.7	7.6	6.5	6.5	6.5
127.5°	6.5	6.5	6.5	7.6	7.6	7.6	7.6	6.5	6.5	6.5	6.5
130°	6.5	6.5	6.5	6.5	6.5	7.6	6.5	6.5	5.4	6.5	6.5
132.5°	5.4	5.4	5.4	6.5	6.5	6.5	6.5	5.4	5.4	5.4	5.4
135°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
137.5°	5.4	5.4	5.4	5.4	5.4	5.4	4.4	4.4	4.4	5.4	5.4
140°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
142.5°	4.4	4.4	4.4	3.3	3.3	3.3	3.3	3.3	3.3	4.4	4.4
145°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
147.5°	3.3	3.3	3.3	2.2	2.2	2.2	2.2	3.3	3.3	3.3	3.3
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3
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)