

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: P694509

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2399 lumens
Efficiency: N/A
Efficacy: 110.0 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

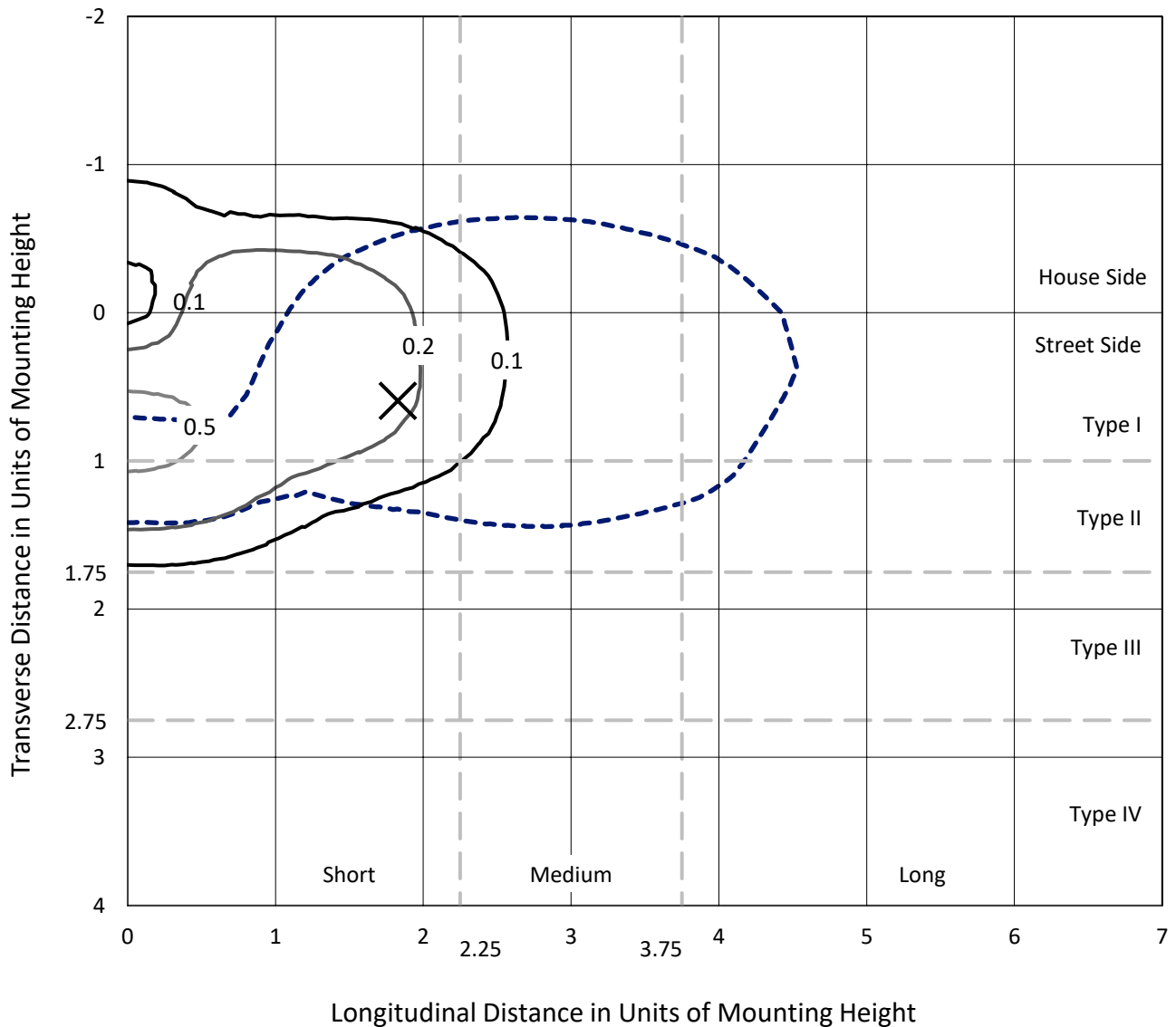
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

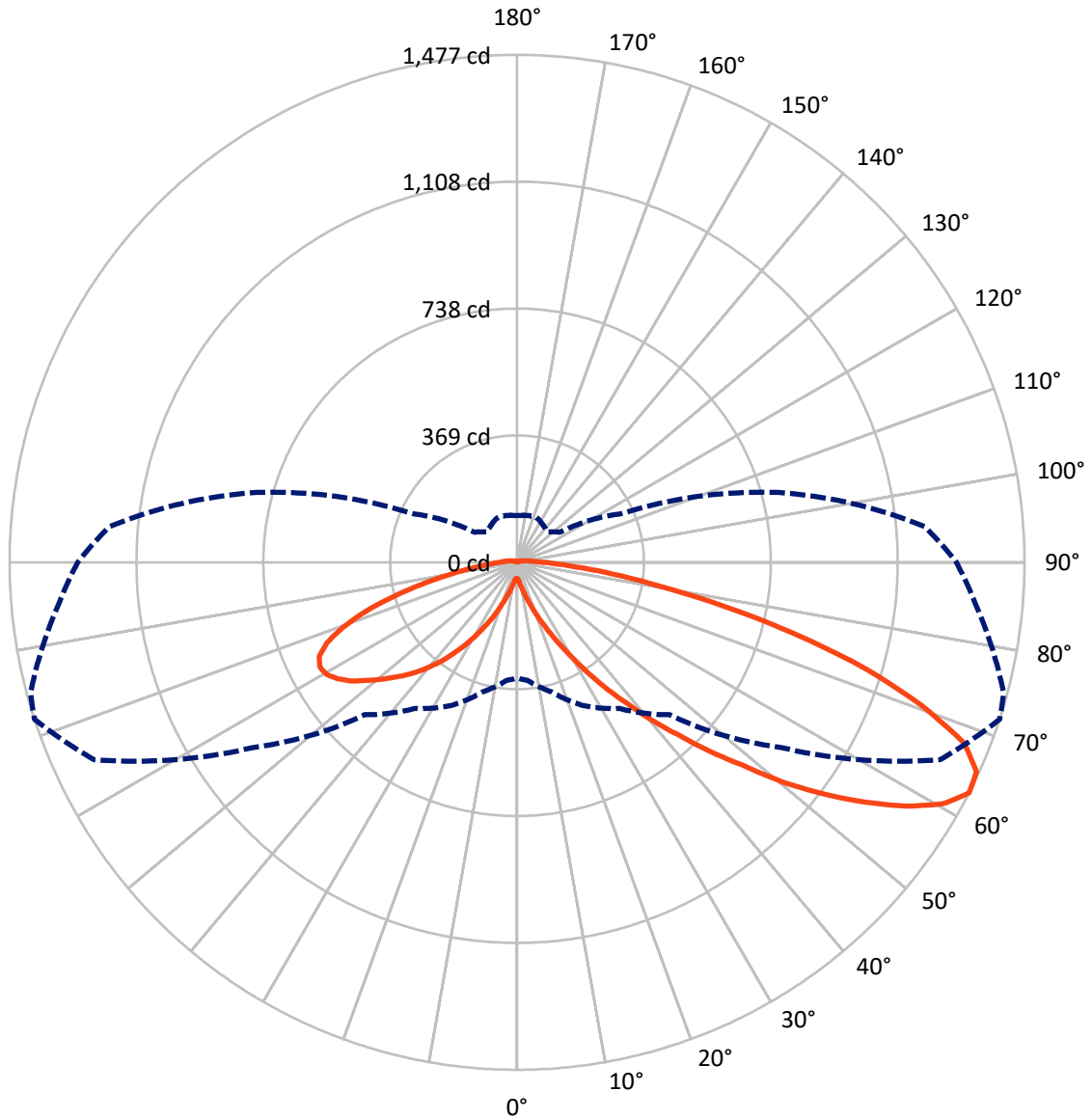
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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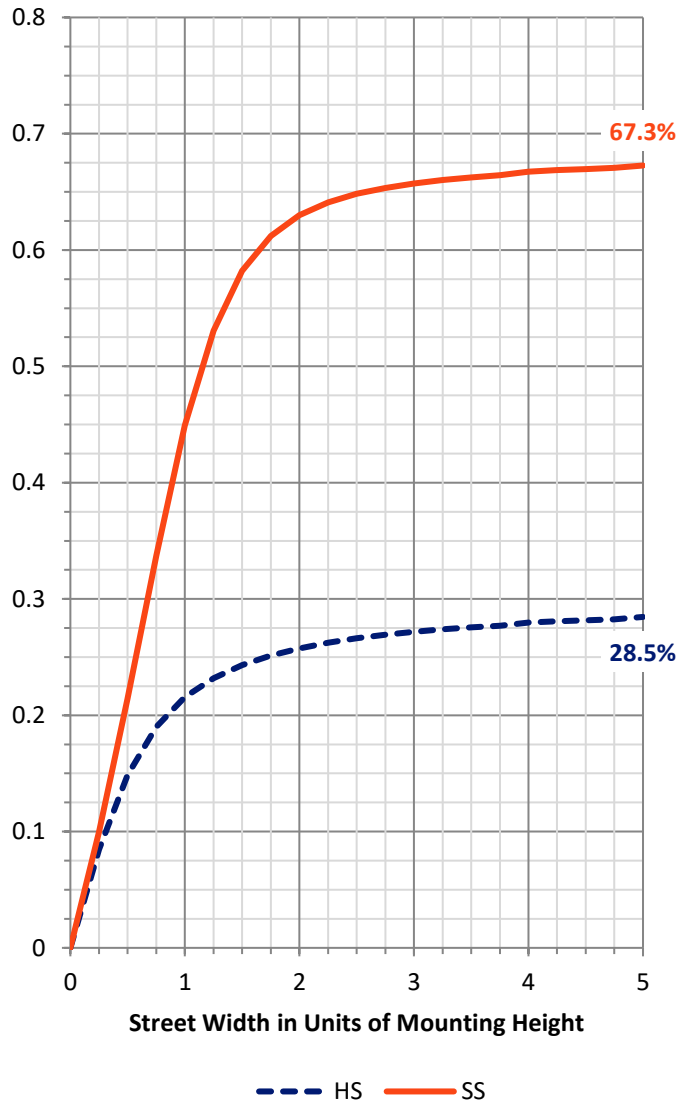
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	703.4	35.8	739.2
	% Fixture	29.3	1.5	30.8
Street Side	Lumens	1630.8	29.0	1659.8
	% Fixture	68.0	1.2	69.2
Total	Lumens	2334.2	64.8	2399.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.2
10°-20°	30.3	1.3
20°-30°	100.0	4.2
30°-40°	238.9	10.0
40°-50°	424.7	17.7
50°-60°	561.5	23.4
60°-70°	539.5	22.5
70°-80°	327.5	13.7
80°-90°	106.3	4.4
90°-100°	32.7	1.4
100°-110°	15.3	0.6
110°-120°	7.9	0.3
120°-130°	4.7	0.2
130°-140°	2.8	0.1
140°-150°	1.4	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2334.2	97.3
0°-180°	2399.0	100.0

Coefficient of Utilization

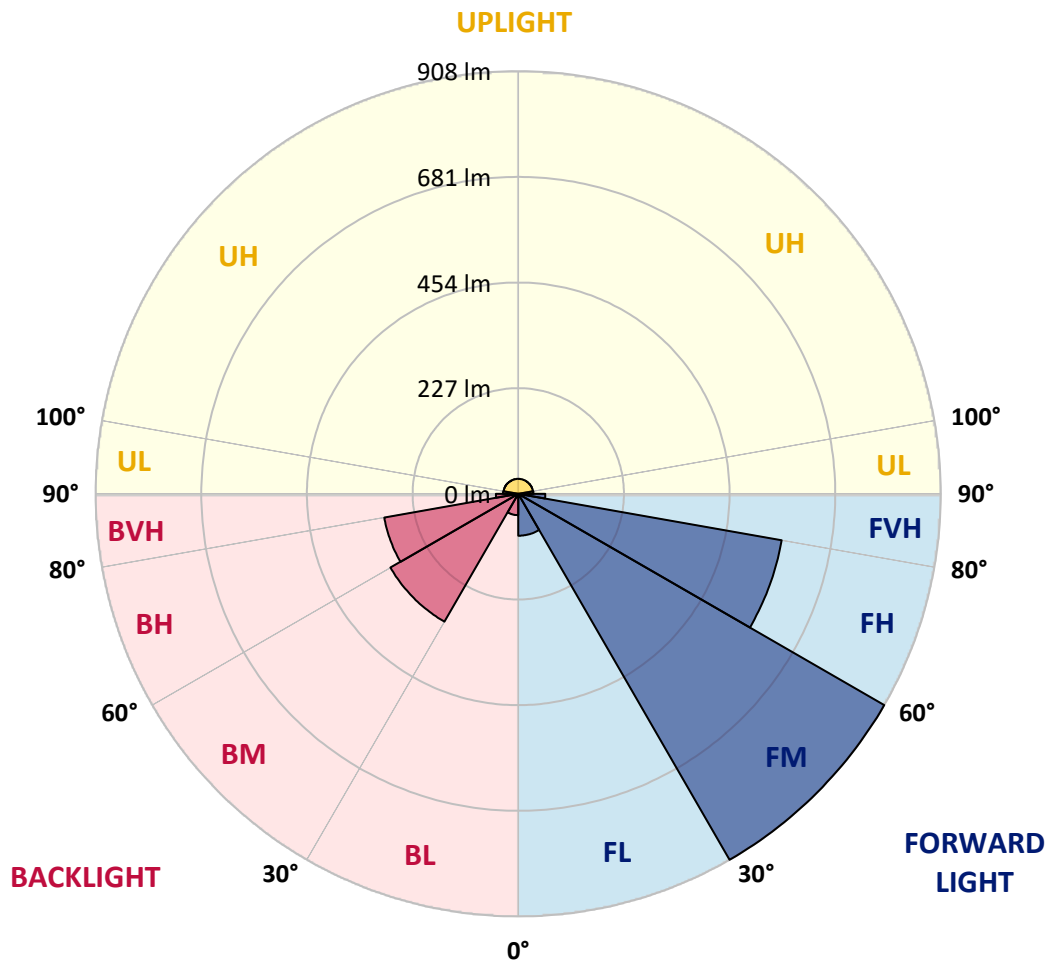


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	90.0	3.8			
FM (30°-60°)	908.0	37.8			
FH (60°-80°)	574.7	24.0			G0/660
FVH (80°-90°)	58.1	2.4			G1/100
BL (0°-30°)	45.9	1.9	B0/110		
BM (30°-60°)	317.1	13.2	B1/1000		
BH (60°-80°)	292.3	12.2	B1/500		G1/500
BVH (80°-90°)	48.1	2.0			G1/100
UL (90°-100°)	32.7	1.4		U2/50	
UH (100°-180°)	32.1	1.3		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°	72°	75°	85°
0°	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
2.5°	53.0	53.8	53.0	53.8	53.0	52.1	52.1	50.4	50.4	49.6	48.7
5°	63.0	63.9	63.9	63.0	61.4	60.5	58.0	57.2	55.5	54.6	53.0
7.5°	77.3	76.5	77.3	74.8	74.0	72.3	68.9	66.4	63.9	63.0	60.5
10°	95.8	95.0	94.1	92.5	89.9	86.6	83.2	78.2	76.5	75.6	71.4
12.5°	117.7	119.4	116.8	114.3	110.1	105.9	100.0	94.1	91.6	90.8	84.1
15°	149.6	149.6	146.2	142.0	133.6	126.9	121.0	115.1	110.9	109.3	103.4
17.5°	190.0	187.4	183.2	173.1	165.6	154.7	147.9	138.7	134.5	133.6	126.1
20°	234.5	236.2	226.9	214.3	200.0	186.6	176.5	167.3	163.1	162.2	153.0
22.5°	293.3	293.3	280.7	263.9	240.4	221.9	210.1	200.9	195.0	191.6	185.8
25°	361.4	361.4	347.1	314.3	289.1	263.9	247.1	237.0	234.5	231.1	222.7
27.5°	442.9	445.5	418.6	385.8	339.6	309.3	289.1	283.3	278.2	279.9	263.1
30°	537.1	532.9	504.3	453.9	400.9	361.4	341.2	332.8	329.5	330.3	315.2
32.5°	627.0	620.3	594.2	536.2	465.6	421.1	398.4	391.7	389.2	385.8	367.3
35°	731.2	725.4	688.4	617.8	539.6	481.6	454.7	454.7	454.7	450.5	423.6
37.5°	832.1	821.2	780.8	703.5	612.7	547.2	524.5	527.8	522.8	516.9	486.7
40°	912.8	905.2	866.6	787.6	687.5	618.6	596.8	601.8	604.3	595.9	553.9
42.5°	969.9	966.6	935.5	861.5	754.8	689.2	680.8	686.7	685.0	675.8	629.5
45°	997.7	994.3	974.1	913.6	820.3	759.0	759.8	785.9	781.7	771.6	705.2
47.5°	982.6	986.8	979.2	941.4	861.5	817.8	841.3	887.6	881.7	872.4	790.9
50°	937.2	935.5	947.3	933.8	877.5	857.3	921.2	1005.2	1006.9	982.6	889.3
52.5°	842.2	846.4	880.0	887.6	864.0	872.4	988.4	1118.7	1122.1	1092.7	983.4
55°	729.6	728.7	772.4	811.1	812.8	855.6	1027.1	1216.2	1233.0	1211.2	1084.3
57.5°	580.0	595.1	640.5	701.8	732.1	804.4	1040.5	1303.6	1338.9	1308.7	1175.0
60°	448.8	460.6	515.2	581.6	630.4	726.2	1006.9	1351.5	1426.3	1405.3	1272.5
62.5°	337.0	344.6	390.8	460.6	519.4	627.0	939.7	1358.3	1476.8	1465.8	1337.2
65°	247.9	252.2	296.7	357.2	415.2	508.5	818.7	1301.1	1469.2	1476.8	1381.8
67.5°	179.9	186.6	219.4	273.2	322.8	407.6	686.7	1178.4	1402.8	1424.7	1365.8
70°	142.0	145.4	168.1	210.1	246.3	311.0	553.9	1009.4	1249.8	1299.4	1286.0
72.5°	114.3	116.0	133.6	165.6	189.1	236.2	418.6	816.1	1063.2	1120.4	1151.5
75°	94.1	95.8	110.1	132.0	150.5	176.5	306.8	617.8	835.5	897.7	964.9
77.5°	74.8	78.2	89.1	105.9	119.4	134.5	215.2	446.3	617.8	666.5	744.7
80°	59.7	61.4	71.4	84.9	95.0	105.9	158.0	295.9	417.7	478.2	537.1
82.5°	45.4	47.1	54.6	65.6	74.0	81.5	112.6	195.0	280.7	311.0	343.8
85°	32.8	32.8	40.3	49.6	57.2	64.7	82.4	126.9	171.5	189.1	211.8
87.5°	21.9	22.7	27.7	36.1	44.5	50.4	60.5	83.2	109.3	115.1	130.3
90°	15.1	16.0	19.3	26.1	33.6	39.5	45.4	57.2	68.9	74.8	85.7
92.5°	10.9	11.8	15.1	19.3	26.1	31.9	36.1	41.2	48.7	53.0	58.8
95°	8.4	9.2	11.8	16.0	21.0	26.1	29.4	31.9	37.0	39.5	43.7
97.5°	7.6	7.6	10.1	13.4	17.7	21.9	24.4	26.1	29.4	31.1	34.5
100°	6.7	6.7	8.4	11.8	15.1	18.5	20.2	21.0	23.5	24.4	26.9
102.5°	5.9	5.9	7.6	10.1	13.4	16.0	17.7	17.7	19.3	19.3	21.0
105°	5.0	5.0	6.7	9.2	11.8	14.3	15.1	15.1	15.1	16.0	16.0
107.5°	5.0	5.0	5.9	8.4	10.1	12.6	13.4	12.6	12.6	12.6	12.6
110°	4.2	4.2	5.9	7.6	9.2	10.9	10.9	10.9	10.1	10.1	10.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	4.2	4.2	5.0	6.7	8.4	9.2	10.1	9.2	8.4	8.4	8.4
115°	4.2	4.2	5.0	5.9	7.6	8.4	8.4	7.6	6.7	6.7	6.7
117.5°	3.4	4.2	4.2	5.9	6.7	7.6	7.6	6.7	5.9	5.9	5.9
120°	3.4	3.4	4.2	5.0	5.9	6.7	6.7	5.9	5.0	5.0	5.9
122.5°	3.4	3.4	4.2	5.0	5.9	5.9	5.9	5.0	5.0	5.0	5.0
125°	3.4	3.4	3.4	4.2	5.0	5.9	5.0	5.0	4.2	4.2	5.0
127.5°	3.4	3.4	3.4	4.2	5.0	5.0	5.0	4.2	4.2	4.2	4.2
130°	3.4	3.4	3.4	3.4	4.2	4.2	4.2	4.2	3.4	3.4	4.2
132.5°	3.4	3.4	3.4	3.4	4.2	4.2	4.2	3.4	3.4	3.4	3.4
135°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.5	3.4	3.4
137.5°	3.4	3.4	2.5	3.4	3.4	3.4	3.4	2.5	2.5	2.5	3.4
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.7	1.7	2.5	2.5
145°	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
150°	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	1.7
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
2.5°	48.7	47.9	47.1	46.2	46.2	45.4	45.4	44.5	44.5	44.5	44.5
5°	52.1	51.3	49.6	47.9	46.2	45.4	43.7	42.9	42.9	42.0	42.0
7.5°	59.7	57.2	54.6	52.1	49.6	47.1	45.4	43.7	42.9	42.9	42.9
10°	68.9	67.2	62.2	58.8	55.5	52.1	49.6	47.1	45.4	45.4	44.5
12.5°	83.2	80.7	74.0	69.8	63.9	58.8	55.5	52.1	50.4	49.6	49.6
15°	100.0	96.7	90.8	82.4	74.8	68.1	63.0	60.5	58.8	58.0	58.0
17.5°	122.7	117.7	108.4	98.3	88.3	79.0	74.0	69.8	67.2	68.1	68.1
20°	149.6	143.7	131.1	117.7	103.4	93.3	84.9	80.7	79.0	79.0	79.0
22.5°	179.0	172.3	158.9	140.4	121.9	107.6	96.7	91.6	91.6	91.6	91.6
25°	217.7	205.9	189.1	164.7	140.4	120.2	108.4	104.2	104.2	105.1	105.9
27.5°	254.7	247.1	221.9	190.8	159.7	133.6	118.5	114.3	116.8	118.5	119.4
30°	301.7	288.3	258.0	217.7	177.3	144.6	127.8	124.4	128.6	131.1	132.0
32.5°	353.9	335.4	296.7	247.1	193.3	153.0	134.5	132.8	137.0	141.2	141.2
35°	406.8	385.0	336.2	275.7	205.9	158.0	138.7	138.7	143.7	147.9	147.9
37.5°	464.8	435.4	379.1	300.1	216.0	160.5	141.2	142.0	147.9	150.5	151.3
40°	526.2	492.5	419.4	322.8	221.1	159.7	142.0	144.6	148.8	151.3	151.3
42.5°	590.0	552.2	463.1	339.6	221.9	158.0	141.2	144.6	148.8	149.6	149.6
45°	662.3	617.8	505.1	352.2	218.5	154.7	140.4	144.6	147.1	146.2	146.2
47.5°	742.2	687.5	545.5	362.3	211.8	150.5	139.5	144.6	145.4	143.7	142.9
50°	832.1	764.9	592.6	366.5	204.2	146.2	138.7	143.7	143.7	140.4	140.4
52.5°	925.4	854.0	640.5	367.3	195.0	142.0	138.7	143.7	142.9	137.8	137.8
55°	1011.1	941.4	691.7	366.5	184.9	137.0	137.0	143.7	142.0	137.0	137.0
57.5°	1121.2	1034.7	734.6	359.7	174.0	133.6	136.2	143.7	141.2	136.2	136.2
60°	1203.6	1120.4	768.2	350.5	163.9	128.6	134.5	142.9	140.4	136.2	136.2
62.5°	1278.4	1191.0	785.0	334.5	152.1	124.4	132.0	141.2	140.4	137.0	136.2
65°	1316.2	1221.3	778.3	310.1	141.2	119.4	129.4	139.5	138.7	136.2	136.2
67.5°	1307.0	1209.5	740.5	279.0	130.3	114.3	125.2	134.5	135.3	134.5	134.5
70°	1238.9	1131.3	669.0	240.4	120.2	107.6	120.2	129.4	130.3	130.3	131.1
72.5°	1106.1	999.4	576.6	204.2	109.3	100.9	112.6	121.9	123.6	124.4	123.6
75°	929.6	821.2	461.4	168.9	99.2	93.3	104.2	112.6	115.1	115.1	115.1
77.5°	715.3	627.9	348.0	135.3	89.1	84.9	95.0	102.5	104.2	105.1	104.2
80°	507.7	442.9	245.4	109.3	79.0	76.5	84.1	89.9	91.6	93.3	92.5
82.5°	331.2	295.9	172.3	86.6	68.1	66.4	73.1	77.3	79.0	79.0	78.2
85°	200.9	184.1	113.5	68.9	58.0	56.3	61.4	63.9	64.7	64.7	64.7
87.5°	125.2	113.5	79.8	55.5	48.7	47.9	50.4	51.3	53.8	53.0	52.1
90°	80.7	75.6	58.8	43.7	39.5	39.5	41.2	41.2	42.9	42.9	41.2
92.5°	58.0	55.5	45.4	36.1	32.8	33.6	34.5	33.6	34.5	34.5	34.5
95°	44.5	42.9	37.8	31.1	27.7	28.6	27.7	27.7	28.6	28.6	27.7
97.5°	35.3	35.3	31.1	26.1	24.4	23.5	24.4	23.5	24.4	23.5	22.7
100°	27.7	27.7	26.1	22.7	21.0	20.2	21.0	20.2	21.0	20.2	19.3
102.5°	21.9	22.7	21.9	19.3	18.5	17.7	17.7	17.7	17.7	16.8	16.8
105°	16.8	17.7	18.5	16.8	16.0	15.1	15.1	15.1	15.1	14.3	13.4
107.5°	13.4	14.3	15.1	14.3	14.3	13.4	13.4	13.4	12.6	11.8	11.8
110°	10.9	11.8	12.6	12.6	11.8	11.8	11.8	11.8	10.9	10.1	10.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.2	9.2	10.1	10.9	10.9	10.9	10.9	10.1	9.2	9.2	9.2
115°	7.6	8.4	9.2	9.2	9.2	9.2	9.2	8.4	8.4	7.6	7.6
117.5°	6.7	6.7	7.6	8.4	8.4	8.4	8.4	7.6	6.7	6.7	7.6
120°	5.9	5.9	6.7	7.6	7.6	7.6	7.6	6.7	5.9	6.7	6.7
122.5°	5.9	5.9	5.9	6.7	6.7	6.7	6.7	5.9	5.9	5.9	5.9
125°	5.0	5.0	5.9	5.9	5.9	5.9	5.9	5.0	5.0	5.9	5.9
127.5°	5.0	5.0	5.0	5.0	5.9	5.9	5.0	5.0	5.0	5.0	5.0
130°	4.2	4.2	5.0	5.0	5.0	5.0	5.0	4.2	4.2	5.0	5.0
132.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
135°	3.4	3.4	4.2	4.2	4.2	4.2	4.2	3.4	4.2	4.2	4.2
137.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.2	4.2
140°	2.5	2.5	2.5	3.4	3.4	3.4	3.4	2.5	3.4	3.4	3.4
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.4	3.4
145°	1.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5
150°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	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)