

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: P694541

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)
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-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2520 lumens
Efficiency: N/A
Efficacy: 115.6 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 - U2 - G2

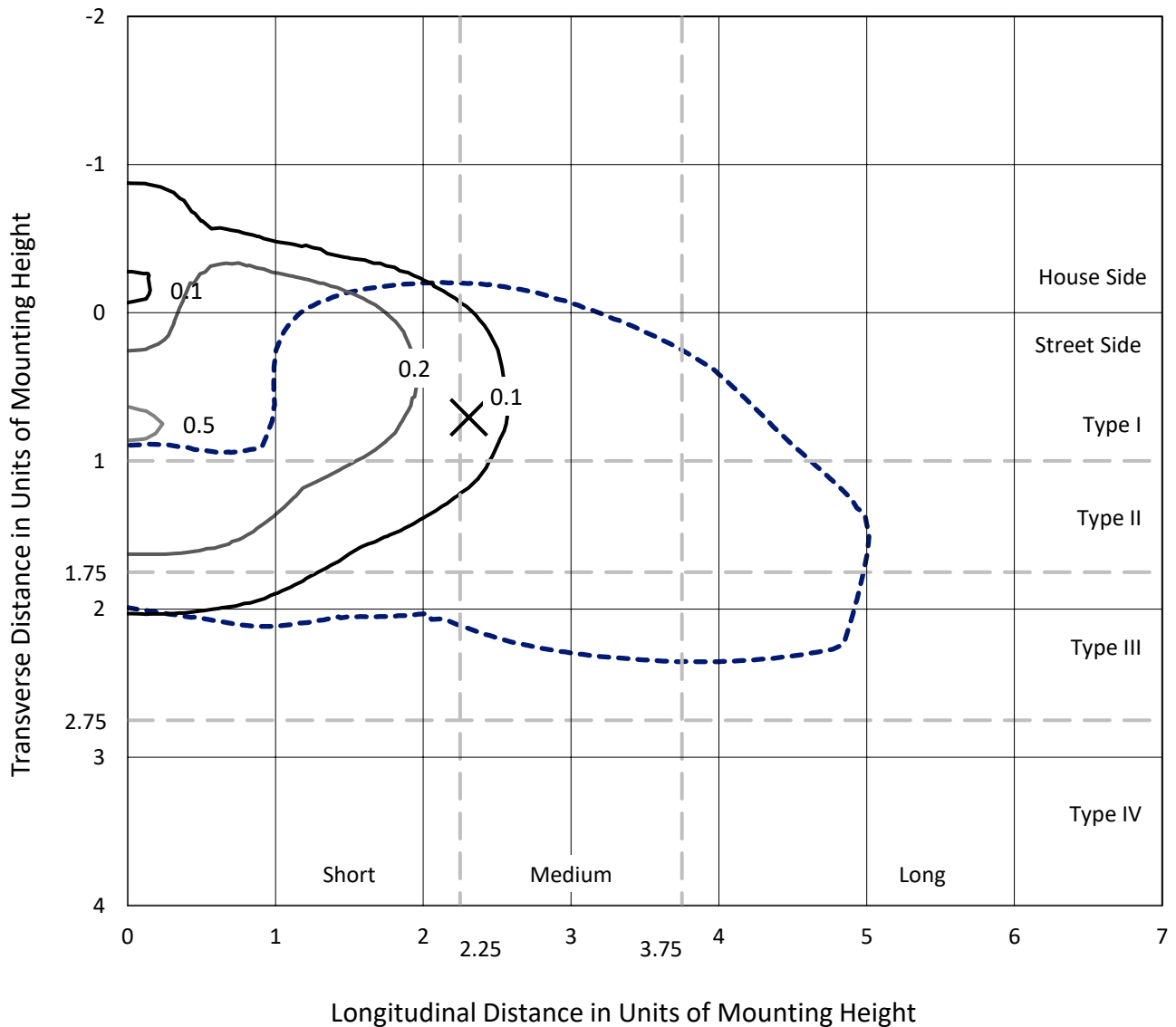
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

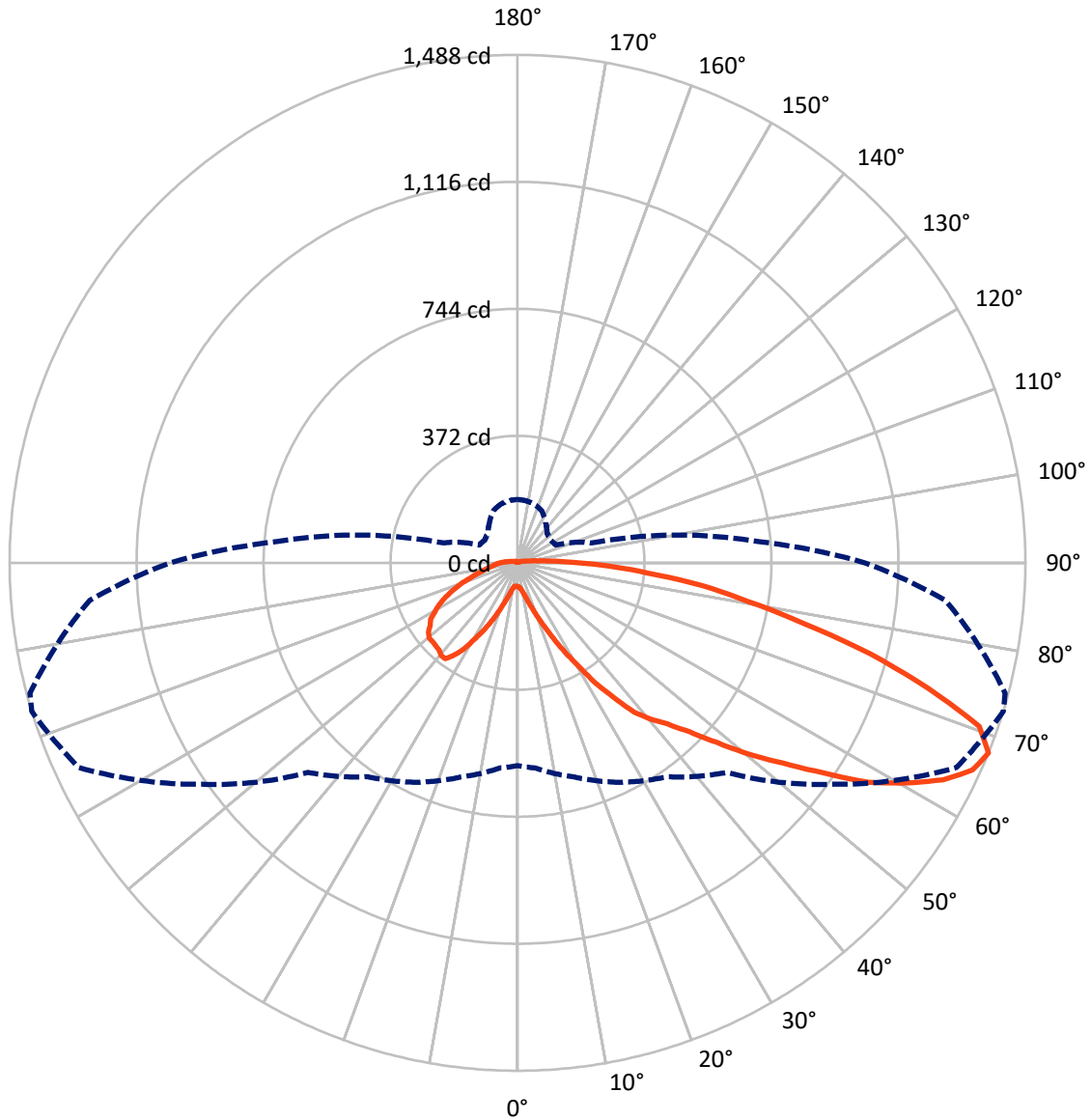
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - 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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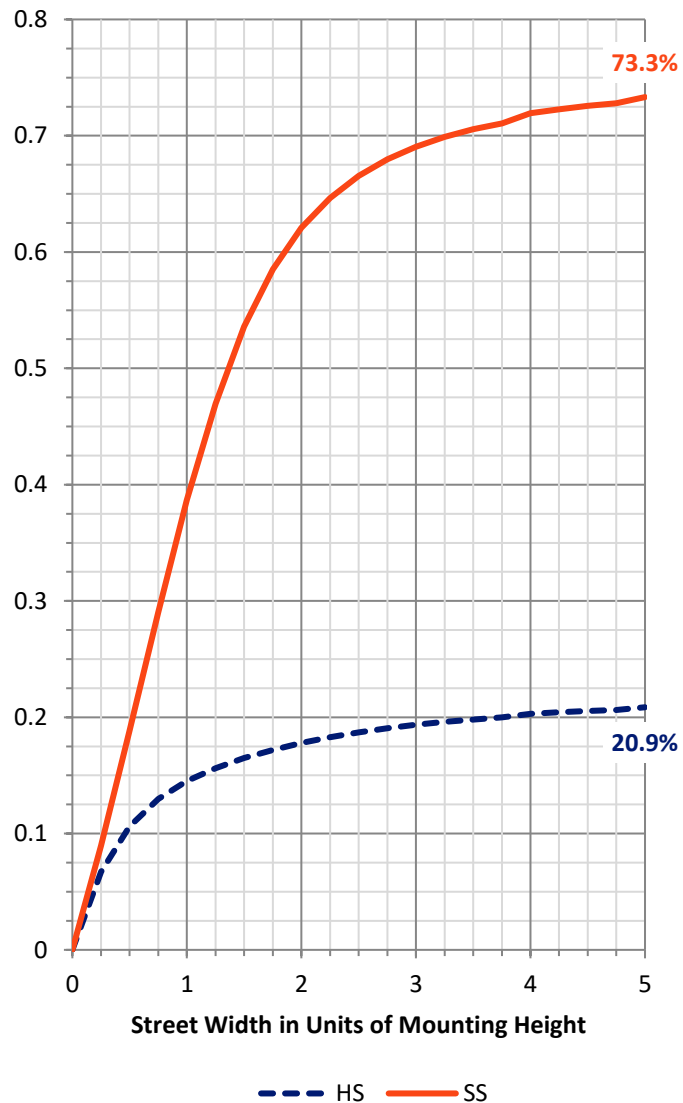
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	551.5	41.2	592.7
	% Fixture	21.9	1.6	23.5
Street Side	Lumens	1885.1	42.2	1927.3
	% Fixture	74.8	1.7	76.5
Total	Lumens	2436.6	83.4	2520.0
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	0.3
10°-20°	31.0	1.2
20°-30°	95.3	3.8
30°-40°	219.5	8.7
40°-50°	355.6	14.1
50°-60°	527.5	20.9
60°-70°	614.3	24.4
70°-80°	421.9	16.7
80°-90°	164.4	6.5
90°-100°	46.6	1.9
100°-110°	17.0	0.7
110°-120°	8.8	0.3
120°-130°	5.5	0.2
130°-140°	3.7	0.1
140°-150°	1.7	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2436.6	96.7
0°-180°	2520.0	100.0

Coefficient of Utilization

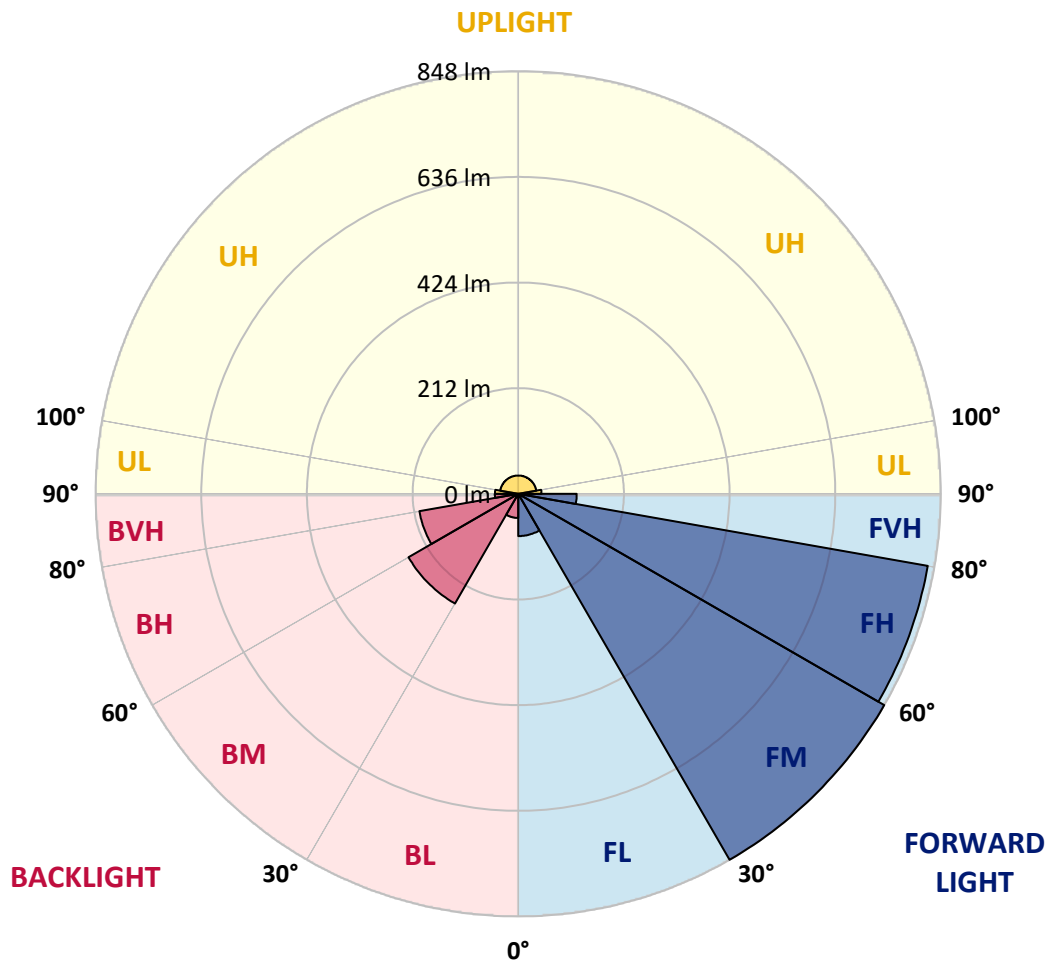


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	84.9	3.4			
FM (30°-60°)	848.3	33.7			
FH (60°-80°)	834.7	33.1			G1/1800
FVH (80°-90°)	117.3	4.7			G2/225
BL (0°-30°)	48.5	1.9	B0/110		
BM (30°-60°)	254.3	10.1	B1/1000		
BH (60°-80°)	201.5	8.0	B1/500		G1/500
BVH (80°-90°)	47.1	1.9			G1/100
UL (90°-100°)	46.6	1.9		U2/50	
UH (100°-180°)	36.8	1.5		U2/50	

BUG Rating: B1-U2-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
2.5°	73.1	74.0	74.0	74.0	74.0	73.1	72.1	71.2	71.2	70.3	69.4
5°	82.2	82.2	81.3	81.3	80.4	79.4	77.6	75.8	74.0	74.0	72.1
7.5°	90.4	91.3	91.3	89.5	88.6	86.7	84.0	81.3	79.4	78.5	75.8
10°	103.2	104.1	103.2	101.4	99.5	96.8	93.1	90.4	87.7	85.8	83.1
12.5°	120.5	120.5	119.6	116.0	112.3	109.6	105.9	103.2	99.5	99.5	95.9
15°	141.5	142.5	139.7	137.0	131.5	126.9	122.4	120.5	118.7	118.7	114.1
17.5°	168.0	168.9	165.3	158.0	151.6	147.9	145.2	142.5	140.6	140.6	136.1
20°	207.3	201.8	200.9	185.4	178.1	172.6	170.8	168.9	169.8	168.0	165.3
22.5°	251.1	247.5	242.0	223.7	210.0	201.8	199.1	200.0	202.7	202.7	201.8
25°	303.2	304.1	290.4	267.6	246.6	234.7	233.8	242.9	245.6	247.5	246.6
27.5°	362.5	366.2	344.3	319.6	290.4	270.3	272.1	287.6	296.8	297.7	296.8
30°	439.2	441.1	413.7	375.3	334.2	311.4	316.9	338.8	348.8	352.5	354.3
32.5°	526.9	526.9	495.8	445.6	384.4	352.5	358.0	396.3	420.1	419.1	424.6
35°	610.9	604.5	578.0	514.1	440.1	396.3	410.0	453.8	483.1	488.5	485.8
37.5°	669.3	673.9	649.3	587.2	496.8	442.0	461.1	516.8	555.2	555.2	547.9
40°	707.7	713.2	690.3	637.4	552.5	492.2	513.2	573.5	602.7	604.5	578.0
42.5°	748.8	753.4	737.8	683.0	599.0	539.7	558.8	616.4	645.6	644.7	617.3
45°	794.4	800.8	793.5	737.8	645.6	584.4	600.9	667.5	705.9	712.3	676.6
47.5°	850.1	854.7	846.5	791.7	697.6	630.1	655.6	736.9	787.1	788.1	747.0
50°	881.2	890.3	903.1	860.2	757.0	681.2	720.5	824.6	883.0	894.0	839.2
52.5°	900.4	910.4	931.4	922.3	831.9	748.8	807.2	925.0	975.2	990.8	911.3
55°	932.3	943.3	966.1	953.3	890.3	826.4	888.5	1027.3	1085.7	1093.0	1022.7
57.5°	887.6	898.5	960.6	985.3	930.5	894.0	975.2	1141.4	1213.6	1224.5	1126.8
60°	847.4	854.7	895.8	966.1	954.2	942.4	1068.4	1251.0	1310.4	1314.0	1188.9
62.5°	772.5	789.0	836.4	894.0	925.9	959.7	1136.0	1337.8	1399.9	1406.3	1250.1
65°	668.4	680.3	733.3	815.4	853.8	931.4	1164.3	1408.1	1464.7	1461.0	1280.2
67.5°	594.5	603.6	650.2	709.5	765.2	868.4	1131.4	1419.0	1488.4	1479.3	1258.3
70°	466.6	477.6	530.5	623.7	667.5	769.8	1053.8	1375.2	1435.5	1427.3	1158.8
72.5°	371.7	381.7	431.9	510.5	584.4	666.6	950.6	1235.5	1259.2	1238.2	976.2
75°	272.1	285.8	319.6	390.8	479.4	576.2	800.8	1050.1	1069.3	1049.2	792.6
77.5°	188.1	189.0	219.2	286.7	363.4	485.8	664.8	872.1	859.3	838.3	606.3
80°	120.5	122.4	141.5	185.4	263.9	367.1	536.9	694.9	683.0	673.9	464.8
82.5°	77.6	74.9	91.3	121.4	179.0	266.6	417.3	557.0	544.2	522.3	351.6
85°	49.3	51.1	60.3	79.4	122.4	194.5	311.4	399.0	382.6	362.5	240.2
87.5°	37.4	38.4	43.8	56.6	83.1	137.0	212.8	277.6	266.6	247.5	161.6
90°	28.3	29.2	32.9	41.1	57.5	93.1	141.5	174.4	161.6	151.6	104.1
92.5°	20.1	21.0	24.7	31.0	42.9	64.8	91.3	102.3	95.0	91.3	67.6
95°	14.6	15.5	18.3	22.8	32.0	44.7	57.5	62.1	57.5	55.7	47.5
97.5°	11.9	12.8	13.7	17.3	24.7	32.9	39.3	40.2	39.3	37.4	35.6
100°	10.0	10.0	11.9	13.7	19.2	26.5	29.2	29.2	29.2	29.2	27.4
102.5°	8.2	8.2	10.0	11.9	15.5	21.0	22.8	22.8	21.9	22.8	21.9
105°	7.3	7.3	8.2	10.0	13.7	17.3	18.3	17.3	17.3	17.3	17.3
107.5°	6.4	6.4	7.3	9.1	11.9	14.6	15.5	14.6	13.7	13.7	14.6
110°	5.5	5.5	6.4	7.3	10.0	12.8	12.8	11.0	11.0	11.0	11.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	5.5	5.5	6.4	7.3	9.1	11.0	10.0	9.1	9.1	9.1	10.0
115°	5.5	5.5	5.5	6.4	8.2	9.1	9.1	8.2	7.3	8.2	9.1
117.5°	5.5	5.5	5.5	6.4	7.3	8.2	8.2	7.3	6.4	7.3	8.2
120°	5.5	5.5	5.5	6.4	7.3	7.3	7.3	6.4	6.4	6.4	7.3
122.5°	4.6	4.6	5.5	5.5	6.4	6.4	6.4	5.5	5.5	5.5	7.3
125°	4.6	4.6	5.5	5.5	6.4	6.4	5.5	5.5	5.5	5.5	6.4
127.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.6	5.5	5.5	6.4
130°	5.5	5.5	5.5	5.5	5.5	5.5	4.6	4.6	5.5	5.5	6.4
132.5°	5.5	5.5	5.5	5.5	5.5	4.6	4.6	4.6	4.6	5.5	5.5
135°	5.5	5.5	5.5	5.5	4.6	4.6	3.7	4.6	4.6	4.6	5.5
137.5°	4.6	4.6	4.6	4.6	4.6	3.7	3.7	3.7	3.7	4.6	4.6
140°	4.6	3.7	3.7	3.7	3.7	3.7	2.7	2.7	3.7	3.7	4.6
142.5°	3.7	3.7	3.7	3.7	2.7	2.7	2.7	2.7	2.7	3.7	3.7
145°	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7
147.5°	2.7	1.8	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
150°	1.8	1.8	1.8	1.8	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°	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
2.5°	69.4	68.5	68.5	67.6	66.7	66.7	65.7	65.7	65.7	65.7	64.8
5°	71.2	70.3	68.5	66.7	64.8	63.9	63.0	62.1	61.2	61.2	61.2
7.5°	74.0	73.1	70.3	67.6	64.8	62.1	60.3	59.4	58.4	57.5	57.5
10°	81.3	78.5	74.0	69.4	65.7	62.1	59.4	57.5	56.6	55.7	55.7
12.5°	91.3	90.4	83.1	75.8	69.4	63.9	60.3	59.4	58.4	58.4	57.5
15°	110.5	106.8	98.6	86.7	76.7	68.5	65.7	64.8	66.7	66.7	67.6
17.5°	131.5	126.9	116.0	101.4	87.7	78.5	74.9	75.8	77.6	79.4	79.4
20°	158.9	154.3	139.7	118.7	102.3	91.3	86.7	86.7	90.4	93.1	93.1
22.5°	196.3	188.1	167.1	138.8	116.9	104.1	97.7	96.8	101.4	104.1	104.1
25°	240.2	228.3	200.9	163.5	132.4	114.1	106.8	107.8	113.2	117.8	117.8
27.5°	285.8	273.0	234.7	186.3	147.0	121.4	115.1	118.7	126.0	130.6	131.5
30°	341.5	324.2	270.3	209.1	158.0	127.8	121.4	126.9	136.1	142.5	143.4
32.5°	404.5	382.6	315.0	231.9	166.2	131.5	125.1	136.1	147.0	156.1	156.1
35°	464.8	435.6	347.9	249.3	170.8	132.4	128.8	142.5	155.2	163.5	163.5
37.5°	518.7	481.2	375.3	258.4	170.8	132.4	129.7	145.2	157.1	162.5	161.6
40°	539.7	494.9	376.2	253.9	168.0	130.6	128.8	143.4	152.5	154.3	152.5
42.5°	571.6	516.8	369.8	238.3	158.9	127.8	126.0	137.0	142.5	142.5	140.6
45°	620.9	550.6	370.7	222.8	148.8	122.4	121.4	131.5	137.9	139.7	137.9
47.5°	681.2	592.6	371.7	209.1	139.7	117.8	118.7	130.6	137.0	135.1	134.2
50°	760.7	648.3	376.2	196.3	134.2	114.1	118.7	131.5	136.1	132.4	130.6
52.5°	819.1	681.2	368.0	184.5	130.6	113.2	120.5	133.3	136.1	130.6	130.6
55°	904.9	726.9	350.7	168.9	126.9	114.1	122.4	135.1	136.1	131.5	130.6
57.5°	980.7	768.0	340.6	155.2	123.3	116.0	125.1	137.9	139.7	137.0	136.1
60°	1015.4	778.0	314.1	146.1	120.5	117.8	128.8	142.5	148.8	147.0	147.9
62.5°	1057.4	779.8	288.6	137.9	119.6	119.6	133.3	151.6	159.8	159.8	160.7
65°	1054.7	756.1	258.4	130.6	118.7	121.4	138.8	159.8	169.8	172.6	173.5
67.5°	1018.2	709.5	225.5	123.3	116.9	122.4	143.4	168.0	179.9	184.5	185.4
70°	904.9	622.8	192.7	116.9	113.2	120.5	144.3	172.6	184.5	189.0	189.9
72.5°	742.4	494.0	157.1	107.8	106.8	115.1	140.6	169.8	179.0	180.8	182.6
75°	592.6	391.7	130.6	97.7	97.7	105.9	130.6	156.1	162.5	164.4	161.6
77.5°	443.8	296.8	108.7	88.6	88.6	96.8	117.8	137.9	143.4	142.5	143.4
80°	336.0	224.6	92.2	79.4	79.4	85.8	105.0	122.4	126.9	125.1	124.2
82.5°	252.0	168.0	80.4	71.2	71.2	76.7	91.3	105.9	109.6	109.6	106.8
85°	172.6	120.5	70.3	63.0	63.0	67.6	78.5	89.5	95.0	94.1	92.2
87.5°	120.5	91.3	62.1	56.6	55.7	59.4	67.6	77.6	84.0	84.9	83.1
90°	83.1	68.5	53.9	48.4	48.4	51.1	58.4	66.7	73.1	74.0	72.1
92.5°	58.4	52.0	44.7	41.1	40.2	43.8	48.4	53.9	57.5	57.5	58.4
95°	42.9	40.2	35.6	32.0	32.0	35.6	38.4	39.3	42.0	42.0	41.1
97.5°	32.9	32.0	29.2	25.6	24.7	28.3	29.2	30.1	32.0	31.0	30.1
100°	27.4	26.5	23.7	21.0	20.1	22.8	23.7	24.7	26.5	24.7	24.7
102.5°	21.9	21.9	20.1	17.3	17.3	19.2	20.1	21.0	21.9	21.0	20.1
105°	18.3	18.3	17.3	15.5	14.6	16.4	17.3	17.3	18.3	17.3	17.3
107.5°	14.6	15.5	14.6	12.8	12.8	13.7	14.6	14.6	14.6	14.6	14.6
110°	12.8	12.8	12.8	11.0	11.9	12.8	12.8	12.8	12.8	12.8	12.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.0	11.0	11.0	10.0	10.0	11.0	11.0	11.0	11.0	11.0	11.0
115°	10.0	10.0	10.0	9.1	9.1	10.0	9.1	9.1	9.1	10.0	10.0
117.5°	9.1	9.1	9.1	8.2	8.2	8.2	8.2	8.2	8.2	9.1	9.1
120°	8.2	8.2	8.2	7.3	7.3	7.3	7.3	7.3	7.3	8.2	8.2
122.5°	7.3	7.3	7.3	7.3	6.4	7.3	6.4	6.4	6.4	7.3	7.3
125°	6.4	7.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	7.3
127.5°	6.4	6.4	6.4	6.4	5.5	5.5	5.5	5.5	5.5	6.4	6.4
130°	6.4	6.4	6.4	5.5	5.5	5.5	4.6	4.6	5.5	5.5	6.4
132.5°	6.4	6.4	5.5	5.5	4.6	4.6	4.6	4.6	5.5	5.5	5.5
135°	5.5	5.5	5.5	4.6	4.6	4.6	3.7	4.6	4.6	5.5	5.5
137.5°	4.6	4.6	4.6	4.6	3.7	3.7	3.7	3.7	4.6	4.6	4.6
140°	4.6	4.6	3.7	3.7	3.7	2.7	2.7	3.7	3.7	4.6	4.6
142.5°	3.7	3.7	3.7	2.7	2.7	2.7	2.7	2.7	3.7	3.7	3.7
145°	2.7	2.7	2.7	2.7	1.8	1.8	2.7	2.7	2.7	3.7	3.7
147.5°	2.7	2.7	2.7	1.8	1.8	1.8	1.8	2.7	2.7	2.7	2.7
150°	1.8	1.8	1.8	1.8	0.9	0.9	1.8	1.8	2.7	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)