

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: P694803

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T2R-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-730-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3131 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G2

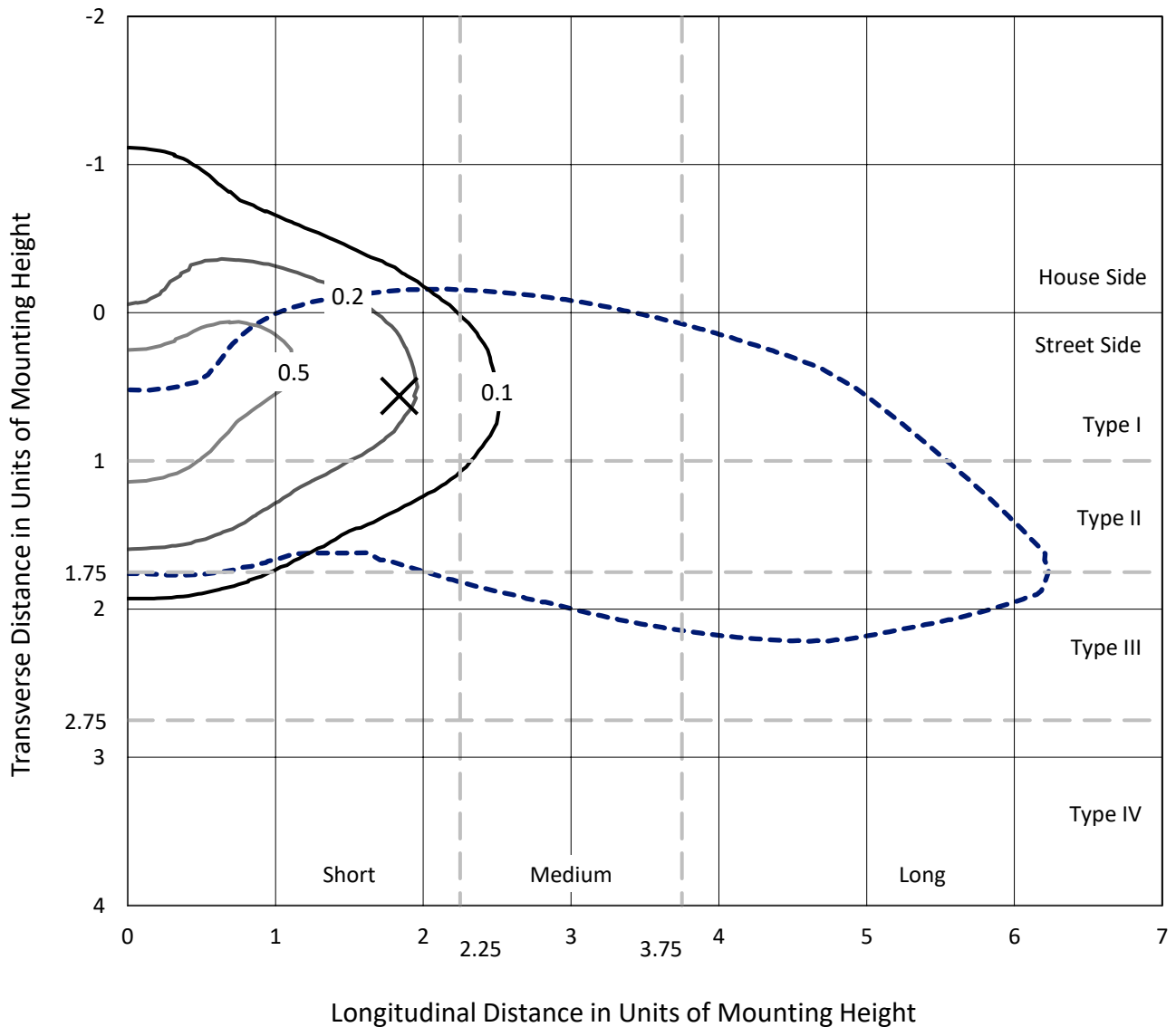
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

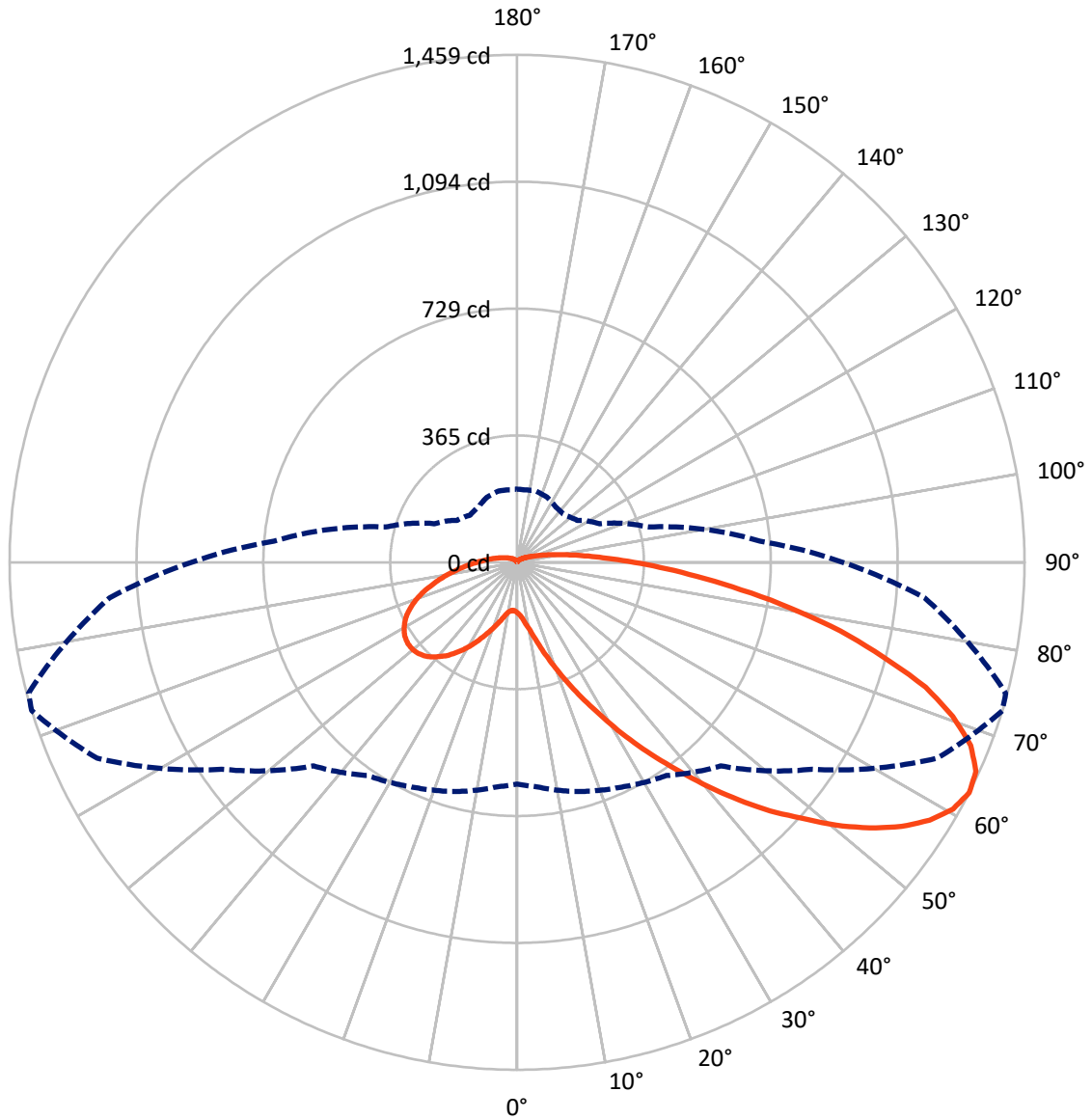
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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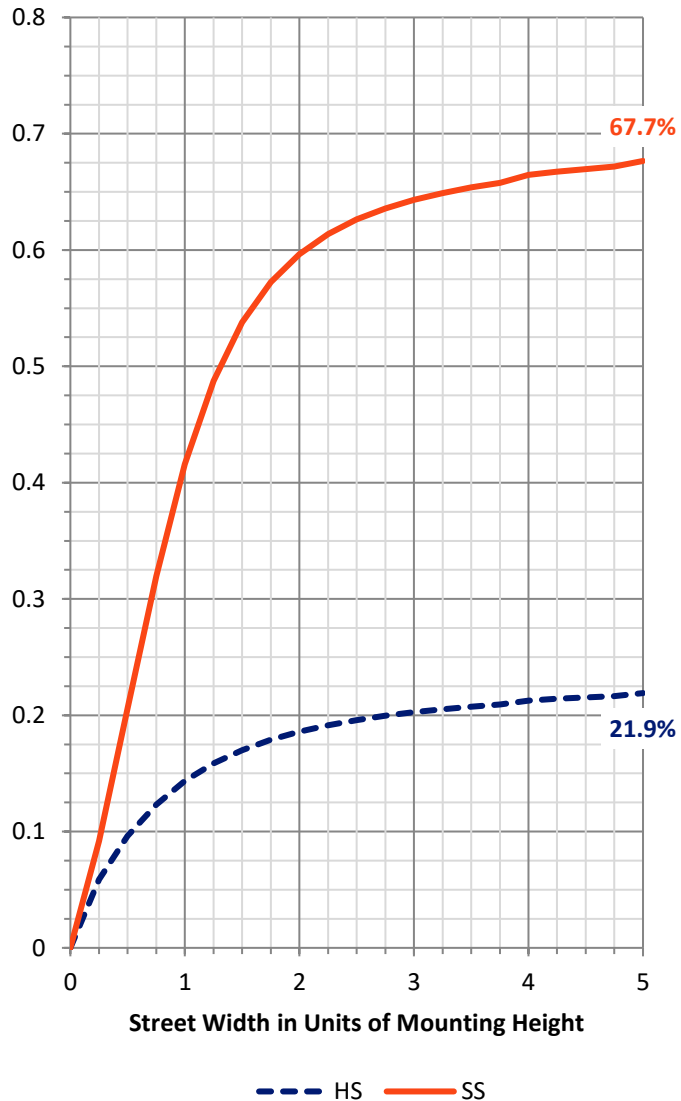
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	724.3	94.7	818.9
	% Fixture	23.1	3.0	26.2
Street Side	Lumens	2179.7	132.3	2312.1
	% Fixture	69.6	4.2	73.8
Total	Lumens	2904.0	227.0	3131.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	0.5
10°-20°	63.8	2.0
20°-30°	164.6	5.3
30°-40°	322.4	10.3
40°-50°	492.4	15.7
50°-60°	599.8	19.2
60°-70°	580.0	18.5
70°-80°	428.4	13.7
80°-90°	237.5	7.6
90°-100°	112.8	3.6
100°-110°	55.5	1.8
110°-120°	29.9	1.0
120°-130°	16.6	0.5
130°-140°	8.6	0.3
140°-150°	3.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2904.0	92.7
0°-180°	3131.0	100.0

Coefficient of Utilization



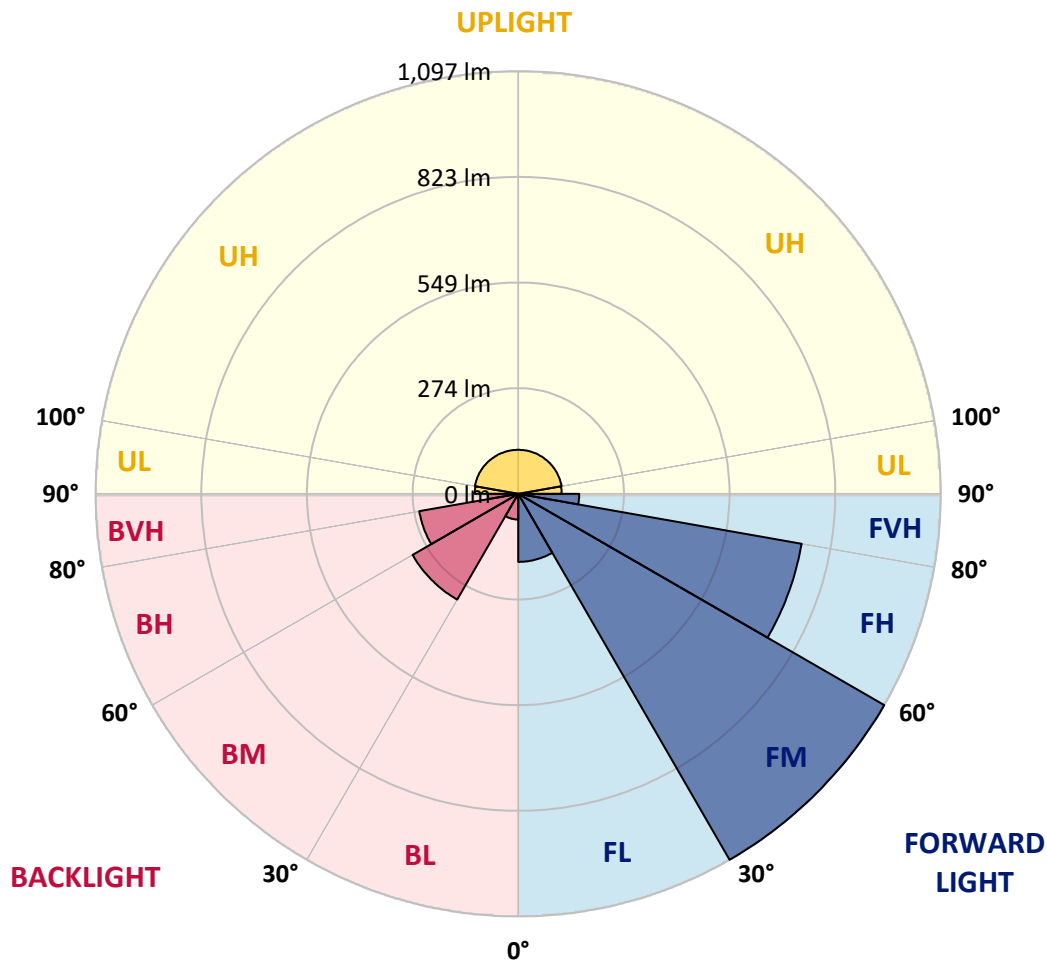
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	176.8	5.6			
FM (30°-60°)	1097.4	35.0			
FH (60°-80°)	747.3	23.9			G1/1800
FVH (80°-90°)	158.2	5.1			G2/225
BL (0°-30°)	66.8	2.1	B0/110		
BM (30°-60°)	317.1	10.1	B1/1000		
BH (60°-80°)	261.0	8.3	B1/500		G1/500
BVH (80°-90°)	79.3	2.5			G1/100
UL (90°-100°)	112.8	3.6		U3/500	
UH (100°-180°)	114.2	3.6		U3/500	

BUG Rating: B1-U3-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	145.4	145.4	145.4	145.4	145.4	145.4	145.4	145.4	145.4	145.4	145.4
2.5°	164.3	163.1	164.3	163.1	160.7	158.4	156.0	152.5	151.3	150.1	146.6
5°	191.5	192.7	191.5	186.8	184.4	179.7	174.9	167.8	161.9	160.7	153.7
7.5°	224.6	223.4	222.2	218.7	212.8	204.5	196.2	186.8	178.5	176.1	164.3
10°	263.6	260.0	261.2	252.9	245.9	235.2	224.6	210.4	196.2	193.8	178.5
12.5°	308.5	307.3	305.0	294.3	283.7	271.9	255.3	237.6	222.2	217.5	198.6
15°	362.9	358.1	355.8	344.0	329.8	314.4	294.3	273.0	254.1	250.6	223.4
17.5°	423.1	417.2	410.1	394.8	380.6	360.5	336.9	313.2	290.8	286.0	251.8
20°	485.8	483.4	475.2	456.2	435.0	413.7	387.7	359.3	331.0	325.0	286.0
22.5°	561.4	559.1	544.9	521.3	495.2	470.4	440.9	410.1	378.2	368.8	322.7
25°	644.2	637.1	620.5	591.0	561.4	527.2	497.6	464.5	430.2	418.4	365.2
27.5°	728.1	722.2	699.7	666.6	626.4	588.6	555.5	523.6	483.4	477.5	409.0
30°	810.8	810.8	781.3	743.5	690.3	647.7	615.8	586.3	549.6	541.3	462.2
32.5°	893.6	891.2	866.4	815.6	756.5	706.8	676.1	651.3	618.2	602.8	520.1
35°	970.4	969.2	936.1	881.8	816.7	764.7	738.7	722.2	689.1	676.1	578.0
37.5°	1041.3	1036.6	1000.0	944.4	865.2	814.4	799.0	797.8	764.7	748.2	639.4
40°	1089.8	1086.2	1054.3	991.7	910.1	860.5	859.3	872.3	848.7	830.9	703.3
42.5°	1119.3	1114.6	1088.6	1027.1	945.6	899.5	913.7	946.8	933.8	913.7	768.3
45°	1126.4	1122.9	1101.6	1044.9	969.2	931.4	962.1	1021.2	1018.9	1000.0	832.1
47.5°	1108.7	1108.7	1094.5	1047.2	978.7	952.7	1009.4	1093.3	1098.1	1088.6	899.5
50°	1074.4	1072.1	1068.5	1030.7	975.1	964.5	1046.0	1166.6	1187.9	1173.7	969.2
52.5°	1016.5	1015.3	1018.9	997.6	957.4	963.3	1072.1	1229.3	1268.3	1255.3	1028.3
55°	939.7	937.3	952.7	946.8	923.1	949.1	1085.1	1280.1	1340.4	1328.5	1086.2
57.5°	847.5	842.7	872.3	882.9	875.8	921.9	1085.1	1315.5	1398.3	1387.6	1131.2
60°	741.1	744.6	775.4	804.9	813.2	880.6	1067.3	1333.3	1439.6	1432.6	1160.7
62.5°	637.1	647.7	682.0	712.7	748.2	827.4	1036.6	1332.1	1458.6	1453.8	1176.1
65°	537.8	549.6	583.9	626.4	670.2	764.7	989.3	1303.7	1449.1	1446.7	1169.0
67.5°	445.6	453.9	489.3	539.0	591.0	695.0	923.1	1250.5	1406.6	1407.7	1135.9
70°	366.4	371.1	409.0	458.6	511.8	617.0	843.9	1166.6	1328.5	1332.1	1073.2
72.5°	301.4	309.7	338.0	384.1	440.9	546.1	760.0	1065.0	1228.1	1226.9	989.3
75°	245.9	250.6	280.1	321.5	371.1	470.4	669.0	943.2	1086.2	1095.7	880.6
77.5°	198.6	202.1	231.7	268.3	316.8	404.2	575.6	816.7	950.3	947.9	765.9
80°	160.7	165.5	190.3	223.4	267.1	344.0	487.0	684.4	796.7	799.0	637.1
82.5°	128.8	133.6	156.0	185.6	228.1	288.4	409.0	573.3	648.9	648.9	526.0
85°	102.8	107.6	128.8	154.8	189.1	244.7	335.7	458.6	517.7	521.3	425.5
87.5°	83.9	86.3	105.2	130.0	159.6	205.7	276.6	362.9	410.1	405.4	334.5
90°	67.4	69.7	86.3	107.6	134.7	172.6	225.8	293.1	318.0	316.8	261.2
92.5°	55.6	56.7	72.1	92.2	114.7	145.4	185.6	228.1	247.0	245.9	206.8
95°	46.1	47.3	61.5	78.0	98.1	122.9	151.3	183.2	195.0	192.7	161.9
97.5°	39.0	39.0	52.0	67.4	85.1	104.0	126.5	146.6	152.5	151.3	130.0
100°	33.1	33.1	43.7	59.1	74.5	89.8	105.2	117.0	119.4	120.6	102.8
102.5°	28.4	29.5	39.0	52.0	63.8	76.8	87.5	95.7	95.7	94.6	81.6
105°	26.0	26.0	33.1	44.9	56.7	66.2	74.5	79.2	76.8	74.5	65.0
107.5°	22.5	22.5	29.5	40.2	49.6	57.9	63.8	65.0	61.5	60.3	54.4
110°	20.1	21.3	26.0	35.5	44.9	50.8	54.4	54.4	50.8	49.6	44.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	18.9	18.9	23.6	31.9	39.0	44.9	47.3	46.1	42.6	41.4	37.8
115°	17.7	17.7	21.3	28.4	35.5	40.2	41.4	39.0	35.5	34.3	31.9
117.5°	16.5	16.5	18.9	24.8	31.9	35.5	36.6	33.1	29.5	29.5	28.4
120°	15.4	15.4	17.7	22.5	28.4	31.9	31.9	28.4	26.0	24.8	24.8
122.5°	15.4	15.4	16.5	20.1	24.8	27.2	28.4	24.8	22.5	21.3	21.3
125°	14.2	14.2	15.4	17.7	22.5	24.8	23.6	21.3	18.9	18.9	18.9
127.5°	14.2	14.2	14.2	16.5	18.9	21.3	21.3	18.9	16.5	16.5	17.7
130°	13.0	13.0	13.0	14.2	16.5	18.9	17.7	15.4	14.2	14.2	15.4
132.5°	13.0	13.0	13.0	13.0	14.2	16.5	15.4	13.0	13.0	13.0	13.0
135°	11.8	11.8	11.8	11.8	13.0	13.0	13.0	11.8	10.6	11.8	11.8
137.5°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	9.5	9.5	9.5	10.6
140°	9.5	9.5	9.5	9.5	8.3	8.3	8.3	7.1	8.3	8.3	9.5
142.5°	9.5	9.5	8.3	8.3	7.1	7.1	5.9	5.9	7.1	7.1	7.1
145°	8.3	8.3	7.1	5.9	4.7	4.7	4.7	4.7	4.7	5.9	5.9
147.5°	5.9	5.9	5.9	4.7	3.5	2.4	2.4	3.5	3.5	3.5	4.7
150°	4.7	4.7	4.7	3.5	2.4	1.2	1.2	2.4	2.4	2.4	3.5
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	145.4	145.4	145.4	145.4	145.4	145.4	145.4	145.4	145.4	145.4	145.4
2.5°	145.4	144.2	140.7	138.3	135.9	134.7	132.4	131.2	131.2	130.0	131.2
5°	150.1	146.6	139.5	133.6	127.7	122.9	119.4	117.0	115.8	114.7	113.5
7.5°	158.4	152.5	141.8	132.4	122.9	115.8	109.9	106.4	104.0	101.7	101.7
10°	170.2	161.9	146.6	133.6	121.7	112.3	104.0	99.3	96.9	94.6	94.6
12.5°	187.9	177.3	157.2	137.1	122.9	111.1	102.8	96.9	94.6	93.4	92.2
15°	210.4	197.4	171.4	147.7	127.7	112.3	104.0	101.7	99.3	98.1	98.1
17.5°	236.4	218.7	186.8	158.4	135.9	119.4	111.1	107.6	106.4	105.2	104.0
20°	264.8	244.7	204.5	170.2	145.4	131.2	119.4	115.8	114.7	113.5	113.5
22.5°	299.0	271.9	223.4	183.2	157.2	140.7	130.0	124.1	122.9	122.9	121.7
25°	334.5	305.0	244.7	197.4	169.0	151.3	139.5	133.6	132.4	133.6	133.6
27.5°	375.9	338.0	267.1	212.8	180.8	159.6	148.9	143.0	143.0	145.4	145.4
30°	420.8	372.3	289.6	228.1	191.5	167.8	157.2	153.7	154.8	156.0	157.2
32.5°	464.5	409.0	310.9	243.5	199.8	174.9	165.5	164.3	165.5	167.8	167.8
35°	515.3	450.3	332.1	256.5	206.8	180.8	172.6	173.8	176.1	178.5	179.7
37.5°	566.2	487.0	353.4	265.9	212.8	186.8	179.7	182.0	184.4	189.1	189.1
40°	614.6	524.8	370.0	274.2	217.5	190.3	184.4	189.1	193.8	196.2	196.2
42.5°	665.5	562.6	387.7	280.1	221.0	193.8	189.1	196.2	200.9	202.1	202.1
45°	717.5	594.5	400.7	284.9	223.4	196.2	192.7	199.8	205.7	206.8	206.8
47.5°	763.6	624.1	410.1	286.0	223.4	197.4	195.0	203.3	209.2	209.2	209.2
50°	812.0	653.6	416.1	287.2	224.6	198.6	196.2	205.7	211.6	210.4	211.6
52.5°	853.4	677.3	418.4	284.9	223.4	197.4	197.4	208.0	213.9	211.6	211.6
55°	890.0	695.0	417.2	281.3	221.0	197.4	197.4	208.0	213.9	211.6	211.6
57.5°	917.2	705.6	412.5	276.6	218.7	196.2	197.4	208.0	213.9	211.6	211.6
60°	933.8	706.8	403.1	270.7	215.1	193.8	195.0	206.8	212.8	210.4	210.4
62.5°	936.1	700.9	391.2	262.4	210.4	191.5	193.8	205.7	211.6	209.2	210.4
65°	923.1	683.2	375.9	252.9	205.7	187.9	191.5	203.3	209.2	208.0	208.0
67.5°	890.0	652.5	354.6	241.1	198.6	183.2	187.9	198.6	206.8	204.5	204.5
70°	836.8	609.9	332.1	228.1	189.1	177.3	182.0	193.8	200.9	199.8	199.8
72.5°	767.1	559.1	305.0	212.8	179.7	170.2	176.1	186.8	192.7	192.7	191.5
75°	683.2	502.3	275.4	196.2	169.0	161.9	169.0	177.3	182.0	180.8	179.7
77.5°	593.4	440.9	247.0	179.7	157.2	152.5	158.4	167.8	170.2	169.0	166.7
80°	502.3	378.2	218.7	161.9	144.2	140.7	146.6	153.7	156.0	152.5	151.3
82.5°	419.6	315.6	190.3	145.4	131.2	128.8	134.7	139.5	139.5	137.1	133.6
85°	339.2	265.9	166.7	128.8	118.2	117.0	121.7	124.1	122.9	119.4	115.8
87.5°	273.0	217.5	143.0	114.7	105.2	104.0	107.6	108.7	106.4	101.7	99.3
90°	221.0	178.5	122.9	101.7	93.4	93.4	94.6	94.6	91.0	85.1	82.7
92.5°	176.1	146.6	106.4	88.6	83.9	81.6	82.7	81.6	76.8	73.3	69.7
95°	141.8	120.6	92.2	79.2	74.5	72.1	73.3	70.9	65.0	60.3	57.9
97.5°	114.7	99.3	79.2	69.7	66.2	63.8	63.8	60.3	56.7	50.8	48.5
100°	92.2	81.6	68.6	61.5	57.9	56.7	55.6	53.2	48.5	42.6	41.4
102.5°	74.5	68.6	59.1	54.4	52.0	50.8	49.6	46.1	41.4	35.5	35.5
105°	61.5	57.9	52.0	48.5	46.1	44.9	43.7	40.2	35.5	30.7	30.7
107.5°	50.8	48.5	44.9	42.6	41.4	40.2	39.0	35.5	30.7	26.0	27.2
110°	43.7	41.4	39.0	37.8	37.8	36.6	34.3	31.9	27.2	23.6	23.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	36.6	35.5	34.3	34.3	33.1	31.9	30.7	27.2	23.6	21.3	21.3
115°	31.9	30.7	30.7	30.7	29.5	29.5	27.2	24.8	20.1	18.9	18.9
117.5°	27.2	27.2	27.2	27.2	27.2	26.0	24.8	21.3	17.7	16.5	16.5
120°	24.8	24.8	23.6	23.6	23.6	23.6	21.3	18.9	15.4	15.4	15.4
122.5°	21.3	21.3	21.3	21.3	21.3	20.1	18.9	16.5	14.2	14.2	14.2
125°	18.9	18.9	18.9	20.1	18.9	18.9	16.5	14.2	11.8	13.0	13.0
127.5°	17.7	17.7	17.7	16.5	16.5	16.5	14.2	11.8	10.6	11.8	11.8
130°	15.4	15.4	15.4	15.4	15.4	14.2	13.0	10.6	9.5	10.6	10.6
132.5°	14.2	14.2	14.2	13.0	13.0	11.8	10.6	9.5	8.3	9.5	9.5
135°	11.8	11.8	11.8	11.8	10.6	10.6	9.5	7.1	8.3	8.3	8.3
137.5°	10.6	10.6	10.6	9.5	9.5	8.3	7.1	5.9	7.1	7.1	7.1
140°	9.5	9.5	9.5	8.3	7.1	7.1	5.9	5.9	5.9	7.1	7.1
142.5°	7.1	7.1	7.1	7.1	5.9	4.7	4.7	4.7	5.9	5.9	5.9
145°	5.9	5.9	5.9	4.7	4.7	3.5	3.5	3.5	4.7	4.7	4.7
147.5°	4.7	4.7	4.7	3.5	3.5	2.4	2.4	3.5	4.7	4.7	4.7
150°	3.5	3.5	3.5	2.4	2.4	1.2	2.4	2.4	3.5	3.5	3.5
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)