

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: P695218

Luminaire Tested: **LXF.LXT-PA16-40-827-U-SL3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-827-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3182 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G3

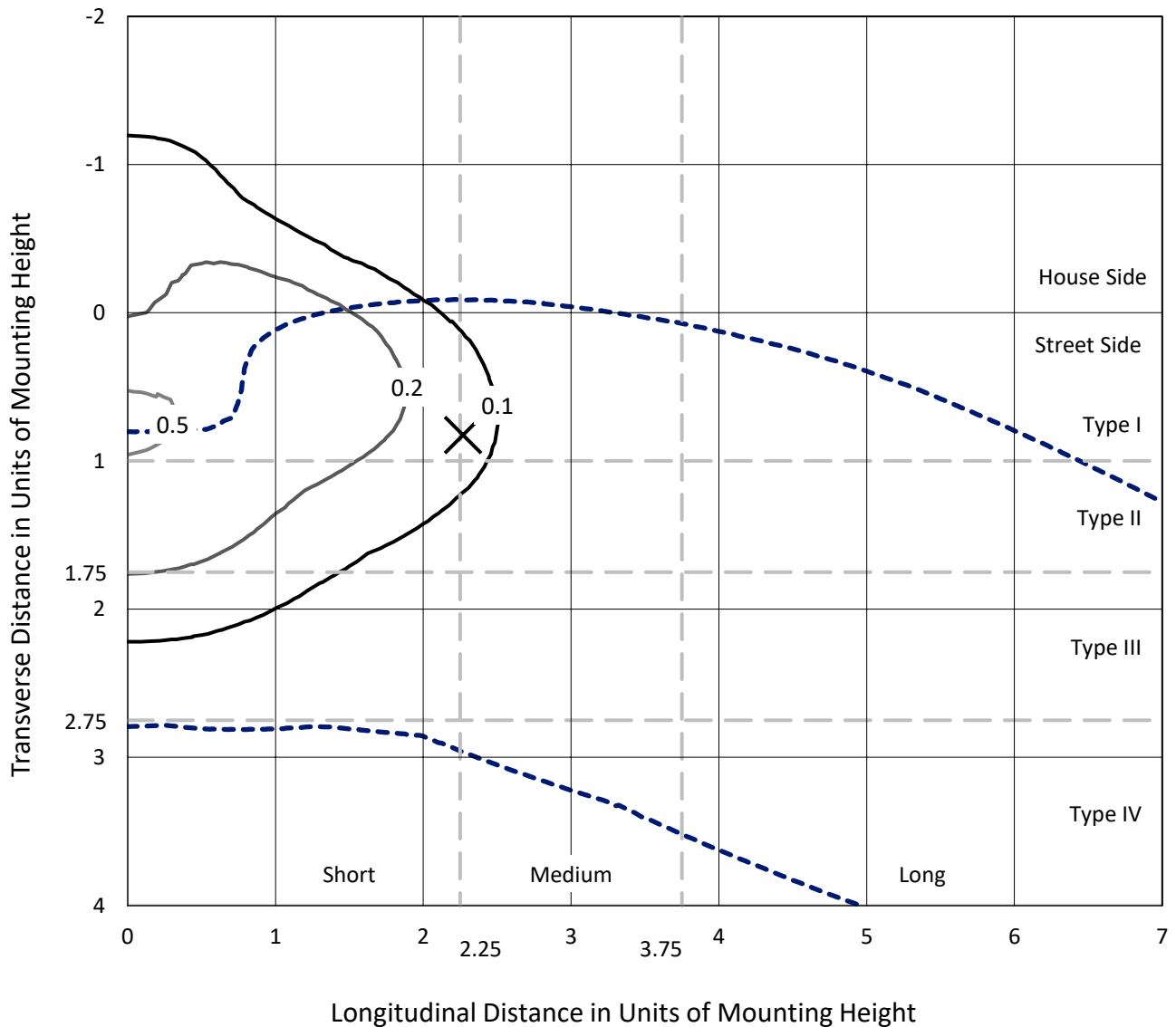
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

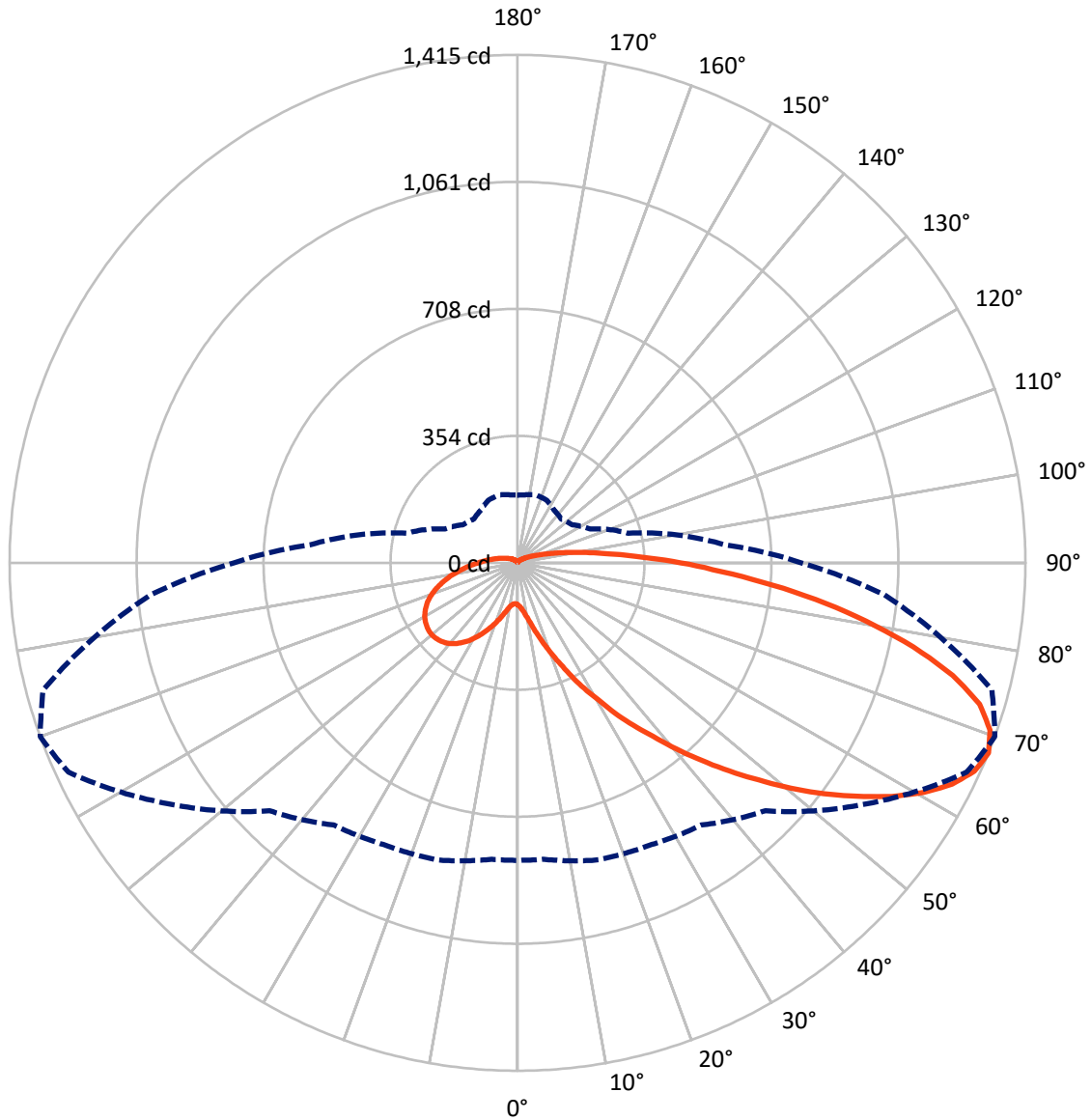
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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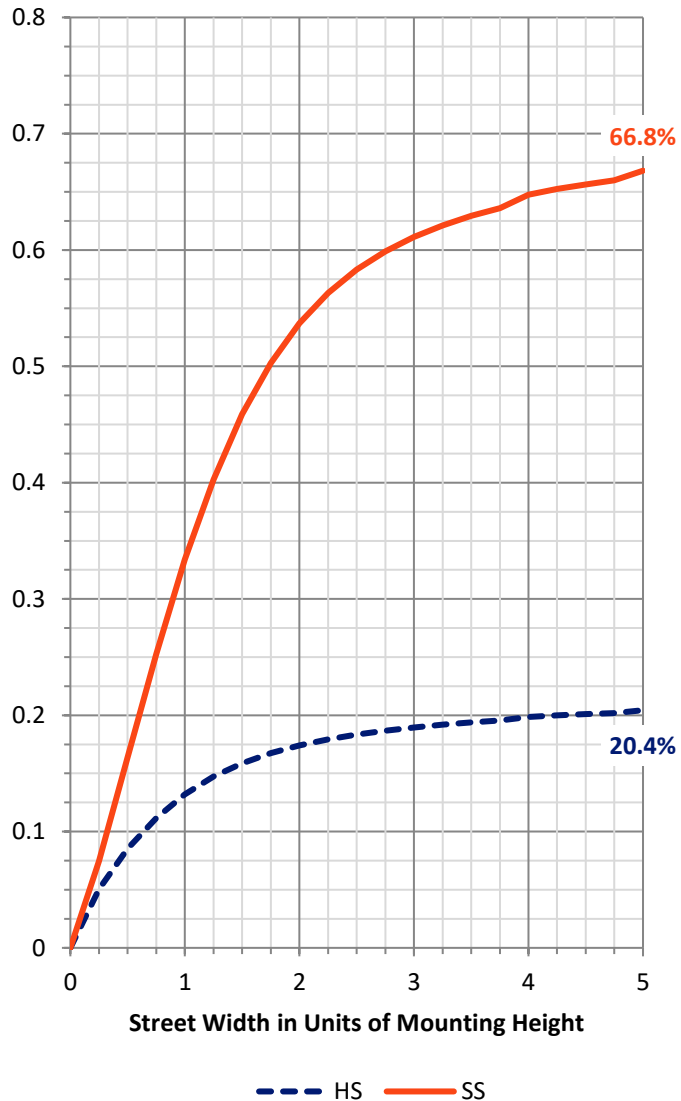
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	686.0	93.4	779.4
	% Fixture	21.6	2.9	24.5
Street Side	Lumens	2227.8	174.8	2402.6
	% Fixture	70.0	5.5	75.5
Total	Lumens	2913.8	268.2	3182.0
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.4
10°-20°	50.4	1.6
20°-30°	126.9	4.0
30°-40°	248.7	7.8
40°-50°	404.8	12.7
50°-60°	567.2	17.8
60°-70°	650.6	20.4
70°-80°	541.5	17.0
80°-90°	311.4	9.8
90°-100°	142.9	4.5
100°-110°	65.4	2.1
110°-120°	32.2	1.0
120°-130°	16.6	0.5
130°-140°	8.1	0.3
140°-150°	3.0	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2913.8	91.6
0°-180°	3182.0	100.0

Coefficient of Utilization

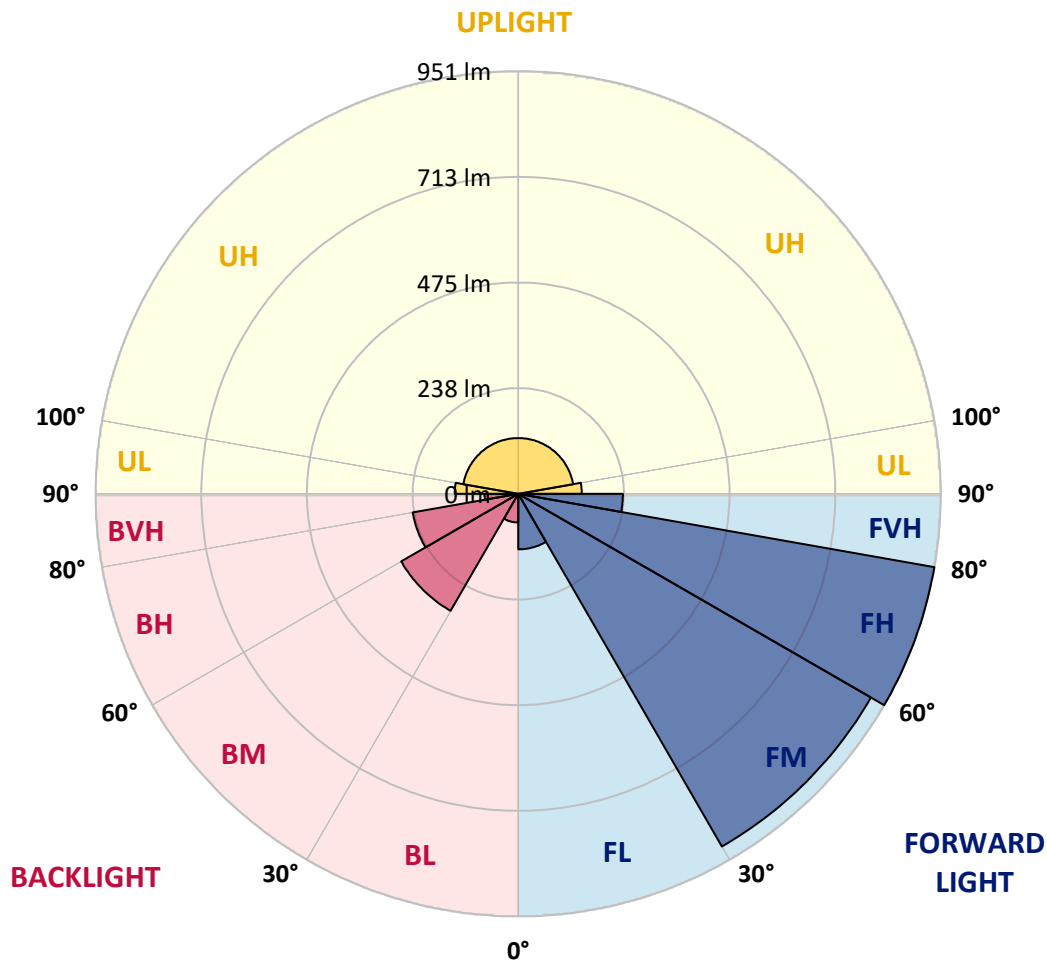


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.9	3.9			
FM (30°-60°)	916.4	28.8			
FH (60°-80°)	950.9	29.9			G1/1800
FVH (80°-90°)	235.5	7.4			G3/500
BL (0°-30°)	64.6	2.0	B0/110		
BM (30°-60°)	304.2	9.6	B1/1000		
BH (60°-80°)	241.2	7.6	B1/500		G1/500
BVH (80°-90°)	76.0	2.4			G1/100
UL (90°-100°)	142.9	4.5		U3/500	
UH (100°-180°)	125.4	3.9		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0
2.5°	128.1	128.1	128.1	126.9	126.9	124.4	124.4	121.9	121.9	120.7	118.2
5°	144.1	144.1	142.9	142.9	140.4	138.0	135.5	131.8	129.3	128.1	124.4
7.5°	162.6	162.6	161.4	158.9	157.7	154.0	149.0	144.1	141.7	139.2	133.0
10°	184.8	184.8	182.3	181.1	178.6	173.7	168.8	161.4	157.7	154.0	145.3
12.5°	210.6	208.2	208.2	204.5	200.8	197.1	190.9	182.3	178.6	173.7	162.6
15°	237.7	237.7	237.7	234.0	229.1	222.9	218.0	209.4	206.9	199.5	187.2
17.5°	269.8	272.2	268.5	263.6	261.1	255.0	248.8	242.7	236.5	229.1	213.1
20°	309.2	307.9	304.2	299.3	295.6	289.5	285.8	274.7	269.8	262.4	239.0
22.5°	347.4	348.6	344.9	337.5	332.6	328.9	322.7	314.1	306.7	298.1	272.2
25°	397.9	396.6	388.0	376.9	372.0	367.1	363.4	354.7	349.8	342.4	309.2
27.5°	448.4	443.4	437.3	427.4	415.1	406.5	404.0	400.3	396.6	384.3	347.4
30°	501.3	496.4	489.0	473.0	455.8	445.9	445.9	450.8	442.2	432.3	390.5
32.5°	558.0	551.8	542.0	522.3	498.9	487.8	492.7	501.3	500.1	485.3	433.6
35°	614.6	613.4	598.6	574.0	544.4	530.9	538.3	555.5	555.5	544.4	480.4
37.5°	670.1	671.3	657.8	627.0	588.8	574.0	585.1	613.4	613.4	604.8	526.0
40°	740.3	737.8	713.2	677.5	635.6	617.1	639.3	676.2	682.4	666.4	576.5
42.5°	800.6	795.7	776.0	731.7	681.2	659.0	689.8	740.3	752.6	734.1	628.2
45°	862.2	856.1	832.7	783.4	726.7	700.9	744.0	811.7	827.7	810.5	682.4
47.5°	920.1	914.0	893.0	833.9	774.8	751.4	799.4	884.4	904.1	889.3	735.4
50°	973.1	971.9	946.0	884.4	816.7	794.5	857.3	960.8	986.6	964.5	789.6
52.5°	1018.7	1013.7	989.1	930.0	858.5	841.3	916.4	1040.8	1069.2	1047.0	843.8
55°	1047.0	1044.5	1022.4	964.5	896.7	884.4	975.6	1113.5	1148.0	1128.3	894.3
57.5°	1060.5	1056.9	1038.4	986.6	925.1	923.8	1029.8	1188.6	1228.1	1202.2	946.0
60°	1047.0	1044.5	1032.2	992.8	943.5	954.6	1086.4	1257.6	1299.5	1271.2	986.6
62.5°	1001.4	1001.4	1000.2	976.8	947.2	980.5	1130.8	1316.8	1358.6	1324.1	1016.2
65°	930.0	933.7	941.1	936.1	931.2	989.1	1160.3	1361.1	1399.3	1358.6	1032.2
67.5°	829.0	829.0	857.3	868.4	891.8	976.8	1173.9	1380.8	1415.3	1368.5	1026.1
70°	716.9	716.9	748.9	780.9	832.7	944.8	1159.1	1369.7	1396.8	1345.1	999.0
72.5°	599.9	601.1	639.3	683.6	755.1	889.3	1119.7	1321.7	1346.3	1284.7	944.8
75°	485.3	495.2	527.2	585.1	667.6	815.4	1045.8	1237.9	1252.7	1193.6	868.4
77.5°	384.3	396.6	434.8	491.5	577.7	721.8	946.0	1125.8	1128.3	1071.6	776.0
80°	304.2	312.9	352.3	405.2	489.0	627.0	827.7	986.6	984.2	928.7	665.2
82.5°	240.2	246.4	277.1	328.9	408.9	537.0	710.7	827.7	836.4	782.2	558.0
85°	184.8	192.2	220.5	266.1	337.5	447.1	587.6	678.7	682.4	634.4	459.4
87.5°	141.7	149.0	174.9	218.0	278.4	367.1	479.2	550.6	544.4	506.3	363.4
90°	109.6	113.3	139.2	174.9	227.9	303.0	385.5	432.3	432.3	395.4	290.7
92.5°	87.5	88.7	112.1	144.1	188.5	246.4	310.4	340.0	331.3	310.4	229.1
95°	69.0	71.4	89.9	118.2	155.2	202.0	245.1	266.1	258.7	239.0	179.8
97.5°	55.4	57.9	73.9	98.5	129.3	165.1	197.1	206.9	203.2	189.7	142.9
100°	45.6	46.8	60.4	83.8	108.4	136.7	157.7	163.8	156.4	147.8	112.1
102.5°	38.2	39.4	51.7	70.2	92.4	112.1	128.1	130.6	124.4	114.6	89.9
105°	32.0	33.3	43.1	60.4	77.6	94.8	104.7	103.5	97.3	89.9	72.7
107.5°	28.3	28.3	37.0	51.7	67.7	78.8	86.2	83.8	77.6	70.2	59.1
110°	24.6	24.6	30.8	44.3	57.9	67.7	71.4	67.7	61.6	56.7	48.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	22.2	22.2	27.1	38.2	49.3	57.9	59.1	54.2	50.5	46.8	39.4
115°	19.7	20.9	23.4	32.0	41.9	49.3	49.3	45.6	41.9	38.2	34.5
117.5°	18.5	18.5	20.9	28.3	37.0	41.9	41.9	38.2	34.5	32.0	29.6
120°	17.2	17.2	19.7	24.6	32.0	35.7	35.7	32.0	29.6	27.1	25.9
122.5°	16.0	16.0	17.2	20.9	27.1	30.8	30.8	27.1	24.6	23.4	22.2
125°	14.8	14.8	16.0	18.5	23.4	25.9	25.9	22.2	20.9	19.7	19.7
127.5°	13.5	13.5	14.8	16.0	19.7	22.2	20.9	18.5	17.2	17.2	17.2
130°	12.3	12.3	13.5	14.8	17.2	18.5	17.2	16.0	14.8	14.8	14.8
132.5°	12.3	12.3	12.3	12.3	13.5	14.8	14.8	13.5	12.3	13.5	13.5
135°	11.1	11.1	11.1	11.1	11.1	12.3	11.1	11.1	11.1	11.1	11.1
137.5°	9.9	9.9	9.9	9.9	9.9	9.9	8.6	8.6	8.6	9.9	9.9
140°	8.6	8.6	8.6	7.4	7.4	7.4	7.4	7.4	7.4	7.4	8.6
142.5°	7.4	7.4	7.4	6.2	6.2	4.9	4.9	4.9	6.2	6.2	7.4
145°	6.2	6.2	6.2	4.9	3.7	3.7	3.7	3.7	4.9	4.9	4.9
147.5°	4.9	4.9	4.9	3.7	2.5	2.5	2.5	2.5	3.7	3.7	3.7
150°	3.7	3.7	3.7	2.5	2.5	1.2	1.2	2.5	2.5	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0
2.5°	118.2	117.0	115.8	113.3	112.1	112.1	112.1	110.9	110.9	109.6	109.6
5°	121.9	120.7	115.8	112.1	109.6	107.2	104.7	103.5	102.2	101.0	101.0
7.5°	129.3	126.9	120.7	114.6	109.6	104.7	101.0	98.5	97.3	96.1	96.1
10°	140.4	136.7	126.9	118.2	110.9	104.7	99.8	97.3	94.8	93.6	93.6
12.5°	156.4	151.5	138.0	125.6	115.8	107.2	102.2	98.5	96.1	94.8	94.8
15°	178.6	170.0	152.7	136.7	123.2	112.1	105.9	103.5	102.2	102.2	102.2
17.5°	202.0	189.7	170.0	149.0	133.0	120.7	114.6	112.1	110.9	110.9	110.9
20°	227.9	214.3	187.2	162.6	142.9	131.8	124.4	121.9	120.7	120.7	120.7
22.5°	256.2	241.4	205.7	174.9	155.2	142.9	135.5	131.8	133.0	133.0	133.0
25°	288.2	267.3	225.4	189.7	166.3	154.0	146.6	142.9	145.3	146.6	146.6
27.5°	324.0	295.6	243.9	203.2	178.6	163.8	157.7	155.2	158.9	160.1	161.4
30°	358.4	326.4	262.4	218.0	188.5	173.7	167.5	168.8	171.2	173.7	176.1
32.5°	396.6	354.7	282.1	230.3	198.3	181.1	177.4	181.1	186.0	188.5	189.7
35°	433.6	384.3	296.9	241.4	205.7	188.5	186.0	192.2	198.3	203.2	203.2
37.5°	470.5	411.4	312.9	250.0	211.9	193.4	193.4	202.0	209.4	215.6	215.6
40°	508.7	441.0	326.4	257.4	216.8	198.3	199.5	210.6	220.5	224.2	225.4
42.5°	548.1	465.6	337.5	262.4	219.3	202.0	204.5	218.0	227.9	231.6	232.8
45°	586.3	491.5	346.1	264.8	221.7	203.2	206.9	222.9	232.8	236.5	236.5
47.5°	622.0	513.6	352.3	266.1	221.7	203.2	209.4	225.4	236.5	237.7	237.7
50°	660.2	535.8	357.2	266.1	220.5	203.2	209.4	226.6	236.5	236.5	236.5
52.5°	697.2	555.5	359.7	263.6	218.0	202.0	208.2	225.4	235.3	232.8	232.8
55°	731.7	571.5	358.4	259.9	214.3	198.3	205.7	222.9	231.6	227.9	227.9
57.5°	760.0	585.1	356.0	255.0	210.6	194.6	202.0	219.3	226.6	221.7	220.5
60°	784.6	593.7	351.1	248.8	204.5	189.7	198.3	214.3	220.5	214.3	213.1
62.5°	798.2	597.4	343.7	240.2	199.5	184.8	192.2	208.2	213.1	205.7	205.7
65°	803.1	592.5	332.6	231.6	192.2	179.8	186.0	200.8	204.5	198.3	197.1
67.5°	790.8	578.9	319.0	222.9	184.8	172.4	178.6	192.2	195.9	189.7	188.5
70°	764.9	553.1	301.8	210.6	176.1	165.1	170.0	181.1	186.0	181.1	179.8
72.5°	716.9	521.0	282.1	198.3	166.3	156.4	161.4	171.2	176.1	171.2	170.0
75°	660.2	479.2	259.9	184.8	156.4	147.8	151.5	158.9	163.8	161.4	158.9
77.5°	585.1	428.7	236.5	171.2	146.6	138.0	140.4	147.8	151.5	149.0	149.0
80°	506.3	373.2	213.1	156.4	136.7	129.3	129.3	135.5	139.2	138.0	135.5
82.5°	429.9	319.0	188.5	141.7	124.4	118.2	119.5	121.9	126.9	124.4	123.2
85°	353.5	271.0	165.1	128.1	113.3	108.4	108.4	109.6	113.3	112.1	110.9
87.5°	289.5	222.9	144.1	113.3	102.2	98.5	96.1	98.5	98.5	98.5	96.1
90°	235.3	184.8	124.4	101.0	93.6	88.7	86.2	86.2	86.2	85.0	83.8
92.5°	187.2	152.7	108.4	89.9	83.8	80.1	77.6	76.4	75.1	72.7	72.7
95°	154.0	125.6	93.6	78.8	75.1	71.4	69.0	67.7	65.3	62.8	61.6
97.5°	121.9	104.7	80.1	70.2	66.5	64.1	61.6	59.1	55.4	53.0	51.7
100°	97.3	85.0	69.0	61.6	59.1	56.7	54.2	51.7	48.0	44.3	43.1
102.5°	80.1	71.4	59.1	55.4	53.0	50.5	49.3	45.6	40.6	37.0	37.0
105°	65.3	59.1	51.7	48.0	46.8	45.6	43.1	39.4	34.5	30.8	30.8
107.5°	54.2	50.5	44.3	43.1	41.9	40.6	38.2	34.5	29.6	25.9	25.9
110°	45.6	41.9	38.2	37.0	37.0	35.7	34.5	29.6	25.9	22.2	22.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	38.2	35.7	34.5	33.3	33.3	32.0	30.8	25.9	22.2	19.7	19.7
115°	32.0	30.8	29.6	29.6	29.6	28.3	27.1	23.4	18.5	17.2	17.2
117.5°	28.3	27.1	25.9	25.9	25.9	25.9	23.4	19.7	16.0	14.8	14.8
120°	24.6	24.6	23.4	23.4	23.4	22.2	20.9	17.2	13.5	13.5	13.5
122.5°	22.2	20.9	20.9	20.9	20.9	19.7	17.2	14.8	12.3	12.3	12.3
125°	19.7	18.5	18.5	18.5	18.5	17.2	14.8	12.3	11.1	11.1	11.1
127.5°	17.2	17.2	16.0	16.0	16.0	14.8	13.5	11.1	9.9	9.9	9.9
130°	14.8	14.8	14.8	14.8	13.5	12.3	11.1	9.9	8.6	8.6	8.6
132.5°	13.5	13.5	12.3	12.3	12.3	11.1	9.9	8.6	7.4	8.6	8.6
135°	11.1	11.1	11.1	11.1	9.9	8.6	8.6	7.4	7.4	7.4	7.4
137.5°	9.9	9.9	9.9	8.6	8.6	7.4	7.4	6.2	6.2	6.2	7.4
140°	8.6	8.6	7.4	7.4	6.2	6.2	6.2	4.9	6.2	6.2	6.2
142.5°	7.4	7.4	6.2	6.2	4.9	4.9	4.9	4.9	4.9	4.9	4.9
145°	4.9	4.9	4.9	4.9	3.7	3.7	3.7	3.7	4.9	4.9	4.9
147.5°	3.7	3.7	3.7	3.7	2.5	2.5	2.5	3.7	3.7	3.7	3.7
150°	2.5	2.5	2.5	2.5	1.2	1.2	2.5	2.5	3.7	3.7	3.7
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)