

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: P694898

Luminaire Tested: **LXF.LXT-PA16-30-750-U-T2U-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-750-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3603 lumens
Efficiency: N/A
Efficacy: 123.4 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 - U3 - G2

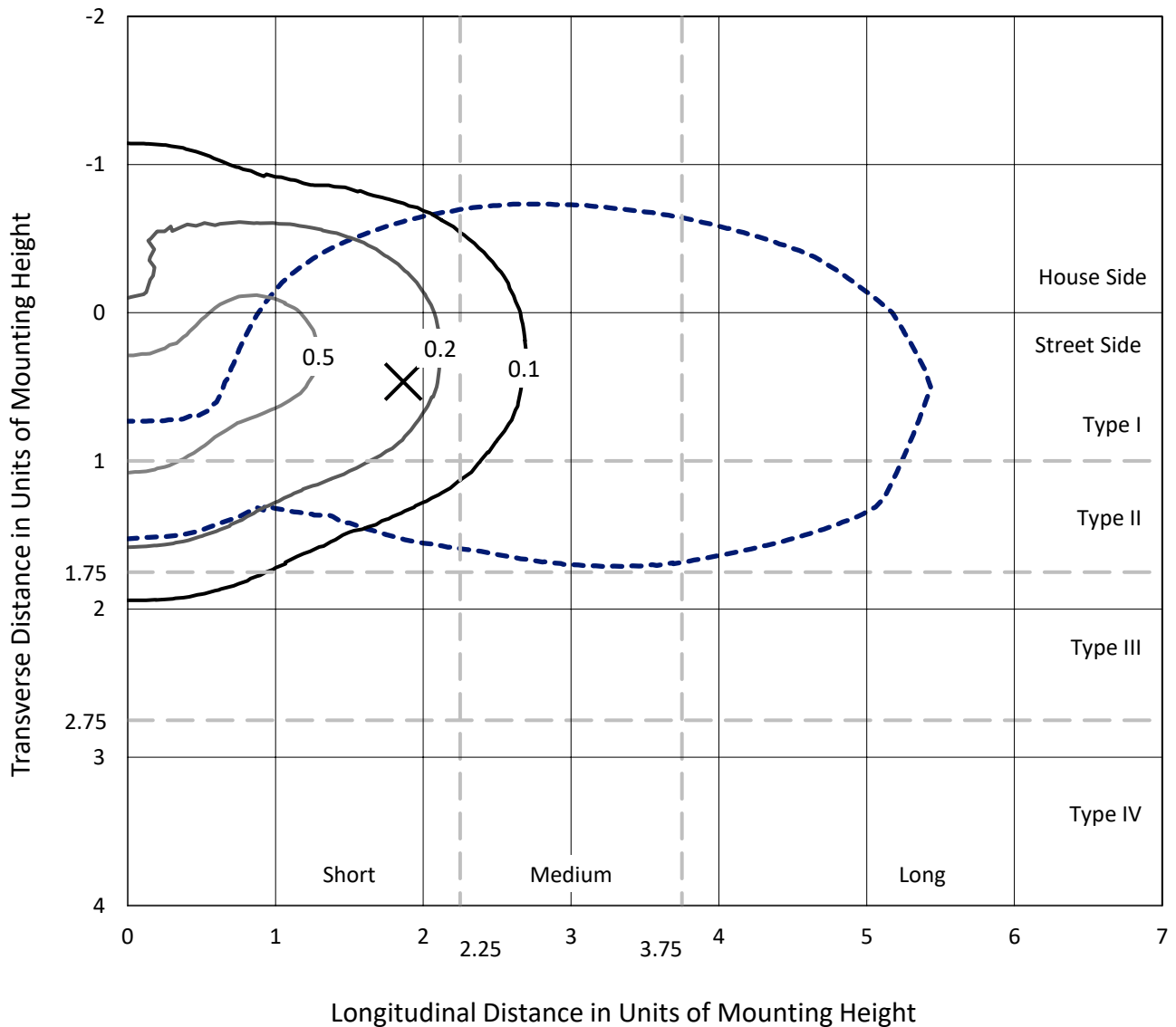
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

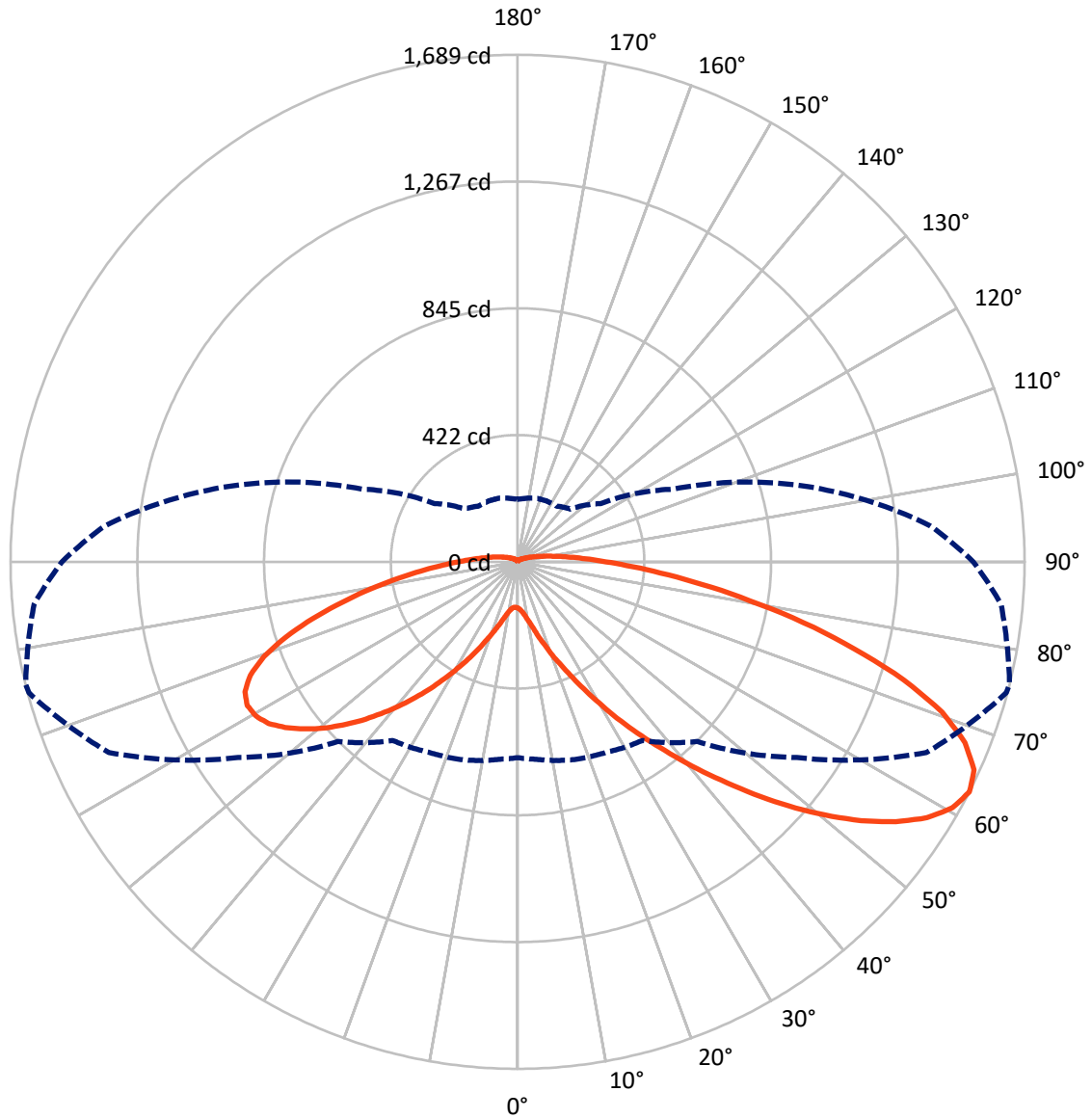
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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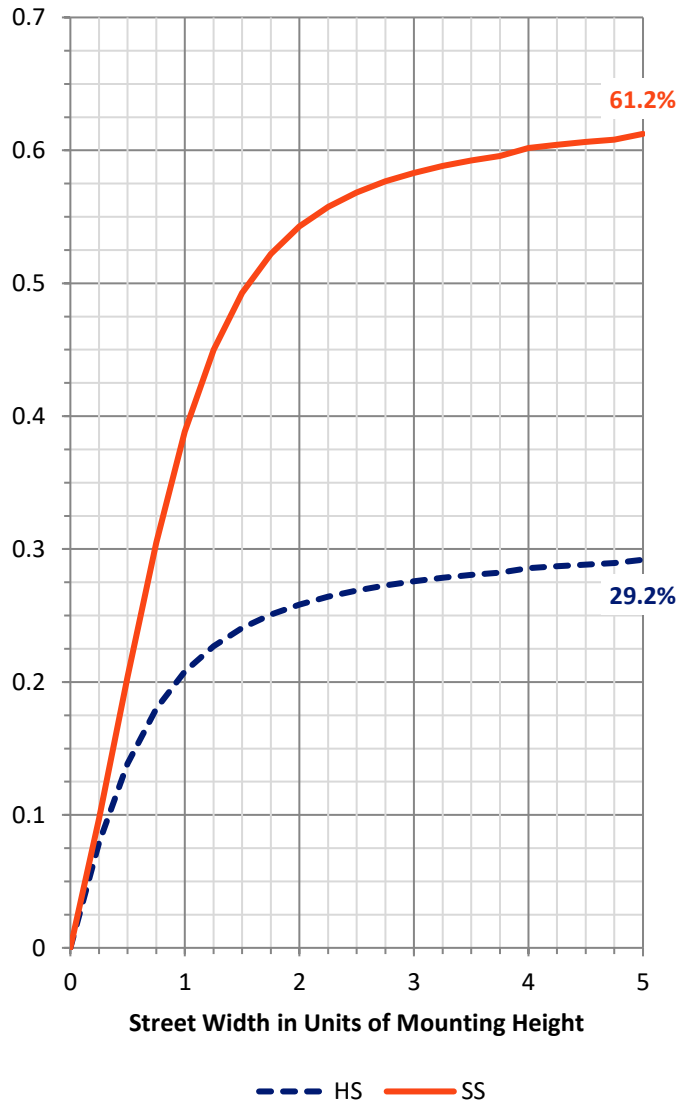
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1096.1	107.7	1203.8
	% Fixture	30.4	3.0	33.4
Street Side	Lumens	2267.4	131.8	2399.2
	% Fixture	62.9	3.7	66.6
Total	Lumens	3363.5	239.5	3603.0
	% Fixture	93.4	6.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.1	0.4
10°-20°	66.3	1.8
20°-30°	169.3	4.7
30°-40°	338.3	9.4
40°-50°	546.7	15.2
50°-60°	715.0	19.8
60°-70°	725.4	20.1
70°-80°	521.6	14.5
80°-90°	264.8	7.4
90°-100°	119.8	3.3
100°-110°	58.8	1.6
110°-120°	31.4	0.9
120°-130°	17.3	0.5
130°-140°	8.7	0.2
140°-150°	3.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3363.5	93.4
0°-180°	3603.0	100.0

Coefficient of Utilization



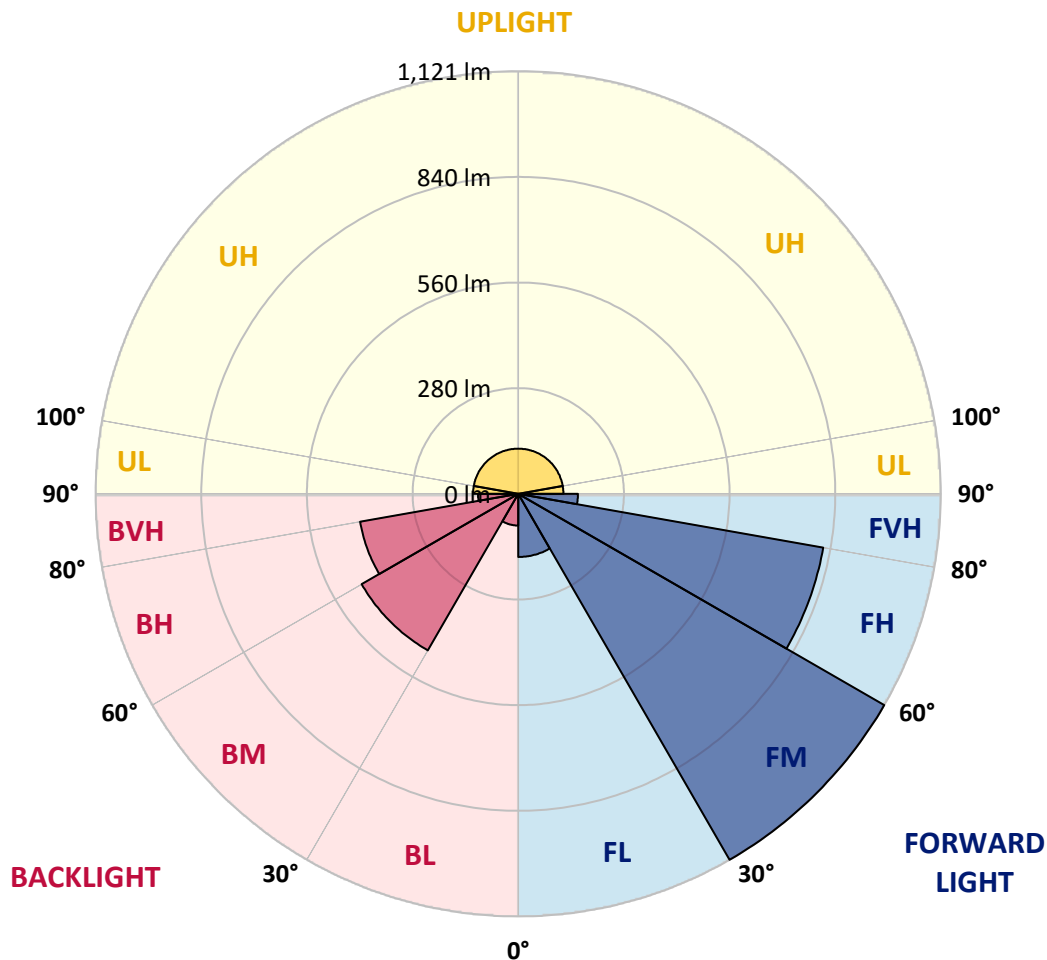
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.5	4.6			
FM (30°-60°)	1120.6	31.1			
FH (60°-80°)	821.2	22.8			G1/1800
FVH (80°-90°)	158.2	4.4			G2/225
BL (0°-30°)	84.1	2.3	B0/110		
BM (30°-60°)	479.5	13.3	B1/1000		
BH (60°-80°)	425.8	11.8	B1/500		G1/500
BVH (80°-90°)	106.7	3.0			G2/225
UL (90°-100°)	119.8	3.3		U3/500	
UH (100°-180°)	119.7	3.3		U3/500	

BUG Rating: B1-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0
2.5°	172.1	170.8	170.8	169.5	168.3	167.0	164.4	161.8	159.2	159.2	156.6
5°	195.4	194.1	194.1	191.5	189.0	183.8	179.9	174.7	169.5	168.3	163.1
7.5°	221.3	222.6	221.3	217.4	213.6	207.1	199.3	191.5	182.5	181.2	173.4
10°	253.7	255.0	251.1	245.9	242.0	235.6	223.9	213.6	201.9	200.6	190.3
12.5°	292.5	289.9	289.9	283.4	275.7	264.0	251.1	239.4	225.2	222.6	211.0
15°	331.3	336.5	332.6	323.6	311.9	300.3	287.3	273.1	258.8	256.3	239.4
17.5°	376.6	383.1	377.9	367.6	355.9	340.4	328.7	310.6	293.8	289.9	270.5
20°	433.6	433.6	427.1	414.2	401.2	389.6	372.7	353.3	333.9	332.6	306.7
22.5°	490.5	487.9	481.5	467.2	451.7	438.7	419.3	401.2	381.8	375.3	353.3
25°	553.9	551.3	539.7	520.3	507.3	489.2	473.7	455.6	434.9	428.4	403.8
27.5°	618.6	616.1	601.8	583.7	563.0	544.9	529.3	515.1	489.2	489.2	460.8
30°	686.0	682.1	665.2	645.8	619.9	601.8	592.8	578.5	560.4	556.5	521.6
32.5°	749.4	750.7	733.8	706.7	679.5	661.4	657.5	653.6	634.2	632.9	595.4
35°	815.4	812.8	794.7	767.5	739.0	722.2	723.5	731.2	714.4	711.8	666.5
37.5°	874.9	874.9	855.5	821.8	790.8	777.8	796.0	816.7	805.0	797.3	750.7
40°	929.3	925.4	908.6	873.6	838.7	837.4	869.7	900.8	896.9	894.3	837.4
42.5°	969.4	964.2	948.7	912.4	881.4	887.9	940.9	1000.5	999.2	994.0	933.2
45°	991.4	988.8	974.6	940.9	911.1	935.7	1013.4	1093.6	1107.9	1104.0	1030.2
47.5°	995.3	994.0	982.3	952.6	930.6	970.7	1084.6	1192.0	1214.0	1215.3	1131.2
50°	979.7	979.7	972.0	948.7	935.7	995.3	1140.2	1293.0	1324.0	1325.3	1233.4
52.5°	942.2	942.2	942.2	926.7	924.1	1003.0	1186.8	1373.2	1434.0	1432.7	1339.5
55°	889.1	887.9	893.0	890.4	894.3	990.1	1208.8	1448.3	1532.4	1528.5	1436.6
57.5°	823.1	819.3	832.2	837.4	849.0	959.0	1212.7	1498.7	1611.3	1608.7	1515.6
60°	737.7	740.3	759.7	768.8	789.5	909.9	1186.8	1516.9	1664.4	1664.4	1581.6
62.5°	652.3	660.1	683.4	700.2	726.1	846.4	1136.3	1502.6	1685.1	1689.0	1616.5
65°	569.5	579.8	605.7	623.8	656.2	768.8	1053.5	1447.0	1664.4	1670.9	1619.1
67.5°	494.4	497.0	525.5	546.2	579.8	686.0	959.0	1352.5	1595.8	1607.5	1577.7
70°	421.9	425.8	454.3	477.6	507.3	599.2	846.4	1212.7	1480.6	1500.0	1485.8
72.5°	352.0	358.5	383.1	410.3	438.7	519.0	726.1	1071.6	1325.3	1346.0	1353.8
75°	296.4	302.9	327.4	353.3	379.2	443.9	618.6	907.3	1146.7	1158.4	1195.9
77.5°	245.9	253.7	274.4	300.3	323.6	377.9	512.5	748.1	964.2	973.3	1005.6
80°	205.8	212.3	229.1	253.7	271.8	317.1	419.3	605.7	772.7	784.3	812.8
82.5°	170.8	173.4	191.5	212.3	231.7	267.9	343.0	481.5	605.7	618.6	657.5
85°	143.7	145.0	160.5	177.3	195.4	222.6	279.6	376.6	467.2	476.3	504.8
87.5°	116.5	119.1	134.6	150.1	164.4	187.7	226.5	296.4	359.8	363.7	383.1
90°	97.1	99.7	112.6	126.8	141.1	156.6	186.4	229.1	274.4	277.0	288.6
92.5°	81.5	82.8	94.5	108.7	121.7	134.6	152.7	181.2	213.6	216.1	221.3
95°	68.6	69.9	80.2	91.9	103.5	113.9	128.1	146.2	165.7	167.0	172.1
97.5°	59.5	59.5	68.6	78.9	89.3	97.1	106.1	119.1	130.7	129.4	130.7
100°	50.5	50.5	58.2	68.6	77.7	84.1	89.3	95.8	101.0	102.2	102.2
102.5°	44.0	44.0	50.5	60.8	68.6	73.8	77.7	78.9	81.5	81.5	80.2
105°	37.5	38.8	44.0	53.1	59.5	64.7	66.0	66.0	64.7	64.7	64.7
107.5°	33.7	33.7	38.8	46.6	53.1	56.9	58.2	55.7	53.1	51.8	51.8
110°	31.1	31.1	34.9	41.4	47.9	50.5	50.5	46.6	42.7	44.0	42.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	27.2	28.5	31.1	37.5	42.7	45.3	44.0	40.1	36.2	34.9	34.9
115°	25.9	25.9	28.5	33.7	38.8	40.1	38.8	34.9	29.8	29.8	29.8
117.5°	23.3	23.3	25.9	29.8	33.7	36.2	33.7	29.8	24.6	24.6	24.6
120°	22.0	22.0	23.3	27.2	31.1	32.4	29.8	25.9	20.7	20.7	22.0
122.5°	20.7	20.7	22.0	24.6	27.2	28.5	27.2	22.0	18.1	18.1	19.4
125°	19.4	19.4	19.4	22.0	24.6	25.9	23.3	19.4	15.5	15.5	16.8
127.5°	18.1	18.1	18.1	19.4	22.0	22.0	20.7	16.8	14.2	14.2	15.5
130°	16.8	16.8	16.8	18.1	19.4	19.4	16.8	14.2	12.9	12.9	12.9
132.5°	15.5	15.5	15.5	15.5	16.8	16.8	14.2	11.6	10.4	11.6	11.6
135°	14.2	14.2	14.2	14.2	14.2	14.2	11.6	9.1	9.1	9.1	10.4
137.5°	12.9	12.9	12.9	11.6	11.6	11.6	9.1	7.8	7.8	7.8	9.1
140°	11.6	11.6	11.6	10.4	9.1	9.1	6.5	6.5	6.5	6.5	7.8
142.5°	10.4	10.4	10.4	9.1	7.8	6.5	5.2	5.2	5.2	5.2	6.5
145°	9.1	9.1	7.8	7.8	5.2	3.9	3.9	3.9	3.9	5.2	5.2
147.5°	7.8	7.8	6.5	5.2	3.9	2.6	1.3	2.6	2.6	2.6	3.9
150°	5.2	5.2	5.2	3.9	2.6	1.3	1.3	1.3	2.6	2.6	2.6
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°	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0
2.5°	155.3	154.0	151.4	148.8	146.2	145.0	143.7	142.4	142.4	142.4	142.4
5°	160.5	156.6	151.4	146.2	141.1	137.2	133.3	130.7	129.4	128.1	128.1
7.5°	169.5	164.4	155.3	147.5	139.8	132.0	126.8	123.0	120.4	119.1	119.1
10°	182.5	176.0	164.4	152.7	141.1	132.0	124.2	119.1	115.2	113.9	112.6
12.5°	203.2	195.4	178.6	161.8	147.5	134.6	125.5	117.8	113.9	112.6	112.6
15°	230.4	220.0	198.0	177.3	157.9	141.1	130.7	125.5	123.0	120.4	120.4
17.5°	258.8	247.2	222.6	196.7	173.4	154.0	142.4	137.2	132.0	130.7	130.7
20°	296.4	280.9	249.8	218.7	191.5	172.1	157.9	147.5	142.4	141.1	141.1
22.5°	336.5	317.1	282.1	243.3	213.6	189.0	172.1	159.2	154.0	151.4	151.4
25°	381.8	363.7	318.4	271.8	238.1	208.4	186.4	172.1	165.7	164.4	164.4
27.5°	436.2	414.2	358.5	305.4	261.4	225.2	200.6	183.8	177.3	176.0	176.0
30°	499.6	468.5	402.5	341.7	286.0	240.7	211.0	195.4	187.7	187.7	187.7
32.5°	559.1	526.8	450.4	377.9	308.0	253.7	221.3	205.8	198.0	198.0	198.0
35°	631.6	594.1	502.2	412.9	327.4	265.3	229.1	213.6	207.1	205.8	205.8
37.5°	711.8	663.9	553.9	445.2	345.6	273.1	235.6	220.0	213.6	212.3	212.3
40°	792.1	736.4	610.9	478.9	358.5	278.3	239.4	225.2	218.7	216.1	216.1
42.5°	877.5	814.1	665.2	509.9	370.2	280.9	240.7	229.1	222.6	218.7	218.7
45°	969.4	894.3	723.5	534.5	377.9	282.1	242.0	230.4	225.2	220.0	220.0
47.5°	1067.8	979.7	776.5	557.8	380.5	280.9	242.0	231.7	225.2	220.0	218.7
50°	1157.1	1062.6	830.9	575.9	380.5	278.3	242.0	233.0	226.5	218.7	218.7
52.5°	1251.5	1144.1	877.5	587.6	377.9	274.4	240.7	231.7	226.5	217.4	217.4
55°	1344.7	1221.8	920.2	594.1	371.4	269.2	238.1	231.7	225.2	216.1	214.8
57.5°	1419.8	1293.0	955.2	594.1	362.4	262.7	234.3	230.4	223.9	214.8	213.6
60°	1480.6	1347.3	974.6	586.3	350.7	256.3	230.4	227.8	222.6	212.3	211.0
62.5°	1518.2	1379.7	979.7	572.1	337.8	248.5	226.5	223.9	220.0	211.0	208.4
65°	1524.6	1383.5	964.2	547.5	321.0	238.1	220.0	220.0	216.1	207.1	205.8
67.5°	1487.1	1346.0	925.4	513.8	302.9	227.8	212.3	213.6	211.0	203.2	200.6
70°	1406.8	1273.5	860.7	475.0	282.1	217.4	203.2	204.5	201.9	195.4	194.1
72.5°	1282.6	1154.5	774.0	428.4	260.1	204.5	194.1	194.1	192.8	186.4	183.8
75°	1128.6	1017.3	674.3	379.2	238.1	190.3	182.5	182.5	181.2	174.7	172.1
77.5°	956.4	859.4	570.8	331.3	214.8	176.0	168.3	169.5	168.3	160.5	160.5
80°	772.7	705.4	476.3	284.7	192.8	160.5	154.0	155.3	152.7	145.0	142.4
82.5°	619.9	564.3	385.7	243.3	170.8	146.2	139.8	139.8	135.9	129.4	128.1
85°	473.7	433.6	311.9	204.5	151.4	130.7	125.5	124.2	119.1	112.6	111.3
87.5°	368.9	335.2	249.8	173.4	132.0	116.5	111.3	108.7	103.5	97.1	95.8
90°	278.3	257.6	199.3	145.0	116.5	103.5	98.4	94.5	89.3	82.8	80.2
92.5°	216.1	203.2	161.8	124.2	101.0	91.9	86.7	82.8	76.4	71.2	68.6
95°	167.0	159.2	133.3	106.1	89.3	80.2	76.4	72.5	67.3	60.8	58.2
97.5°	132.0	125.5	108.7	90.6	78.9	72.5	67.3	63.4	56.9	51.8	50.5
100°	103.5	99.7	90.6	77.7	69.9	63.4	59.5	55.7	49.2	44.0	44.0
102.5°	81.5	80.2	75.1	67.3	62.1	56.9	53.1	49.2	44.0	38.8	37.5
105°	66.0	66.0	62.1	58.2	54.4	50.5	47.9	44.0	37.5	33.7	32.4
107.5°	53.1	54.4	53.1	51.8	47.9	45.3	42.7	37.5	32.4	28.5	28.5
110°	44.0	44.0	45.3	44.0	42.7	40.1	37.5	33.7	28.5	25.9	25.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	36.2	37.5	38.8	38.8	37.5	36.2	33.7	29.8	24.6	22.0	22.0
115°	31.1	31.1	33.7	33.7	33.7	32.4	29.8	25.9	22.0	19.4	20.7
117.5°	25.9	27.2	28.5	29.8	29.8	28.5	25.9	22.0	18.1	18.1	18.1
120°	23.3	23.3	24.6	25.9	25.9	25.9	23.3	19.4	16.8	15.5	15.5
122.5°	20.7	20.7	22.0	23.3	23.3	22.0	20.7	16.8	14.2	14.2	14.2
125°	18.1	18.1	19.4	20.7	20.7	19.4	16.8	14.2	12.9	12.9	12.9
127.5°	15.5	16.8	16.8	18.1	18.1	16.8	15.5	12.9	10.4	11.6	11.6
130°	14.2	14.2	15.5	15.5	15.5	14.2	12.9	10.4	10.4	10.4	10.4
132.5°	12.9	12.9	12.9	12.9	12.9	12.9	10.4	9.1	9.1	9.1	9.1
135°	10.4	11.6	11.6	11.6	11.6	10.4	9.1	7.8	7.8	7.8	9.1
137.5°	9.1	9.1	10.4	9.1	9.1	9.1	6.5	6.5	6.5	7.8	7.8
140°	7.8	7.8	7.8	7.8	7.8	6.5	5.2	5.2	6.5	6.5	6.5
142.5°	6.5	6.5	6.5	6.5	5.2	5.2	3.9	3.9	5.2	5.2	6.5
145°	5.2	5.2	5.2	5.2	3.9	3.9	2.6	3.9	3.9	5.2	5.2
147.5°	3.9	3.9	3.9	3.9	2.6	2.6	2.6	2.6	3.9	3.9	3.9
150°	2.6	2.6	2.6	2.6	1.3	1.3	1.3	2.6	2.6	3.9	3.9
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)