

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: P694896

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3681.1 lumens
Efficiency: N/A
Efficacy: 126.1 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

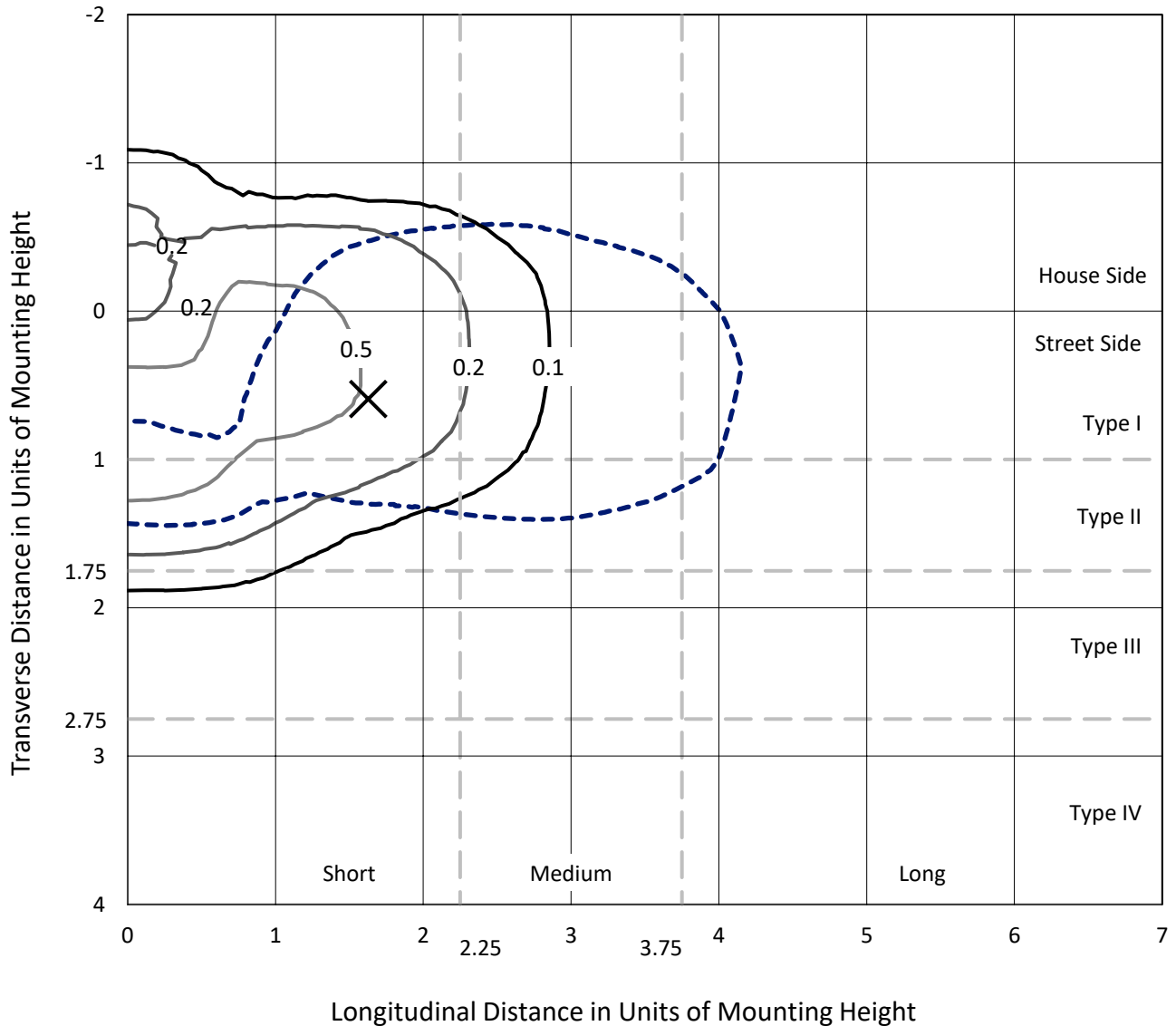
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

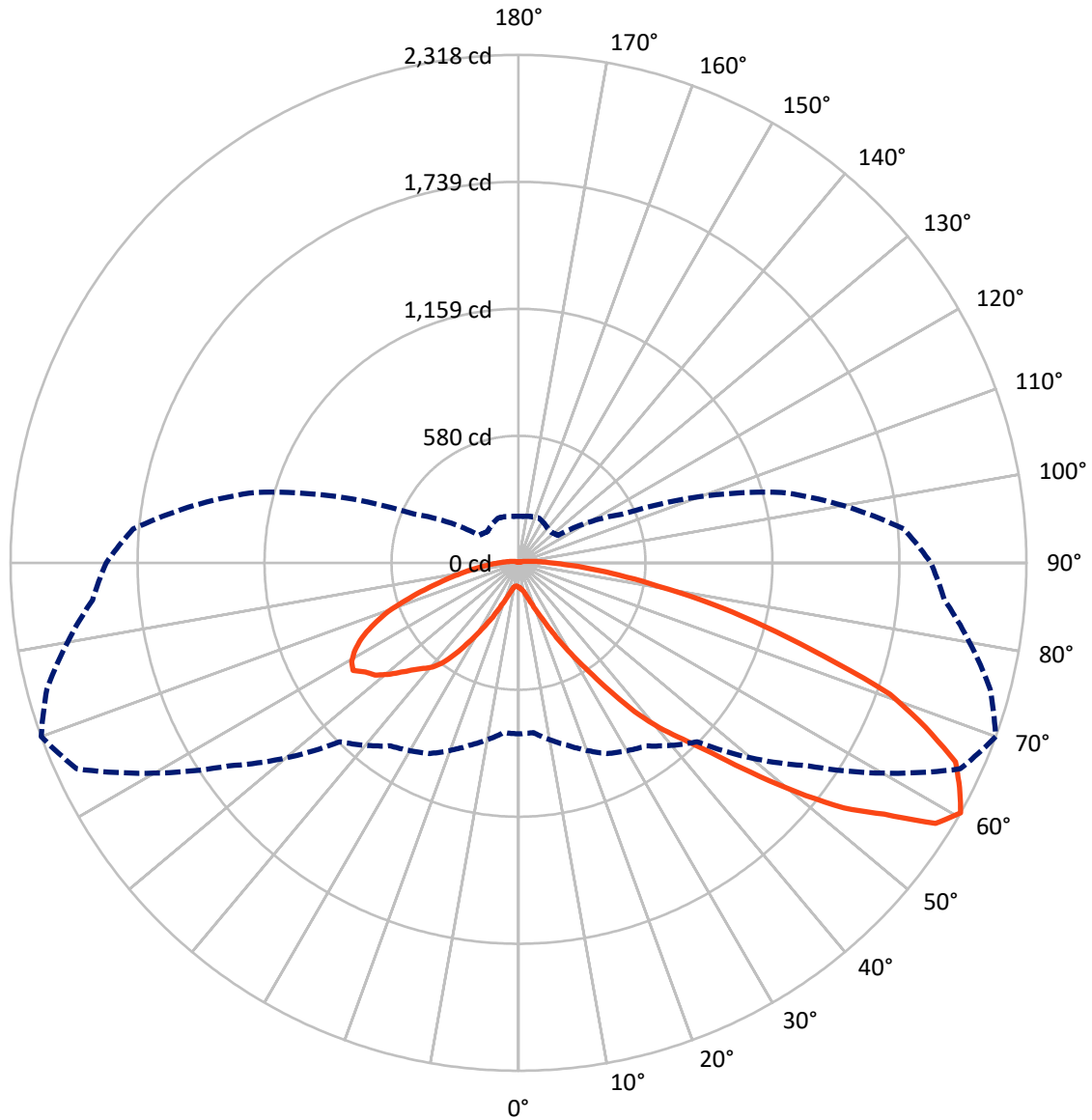
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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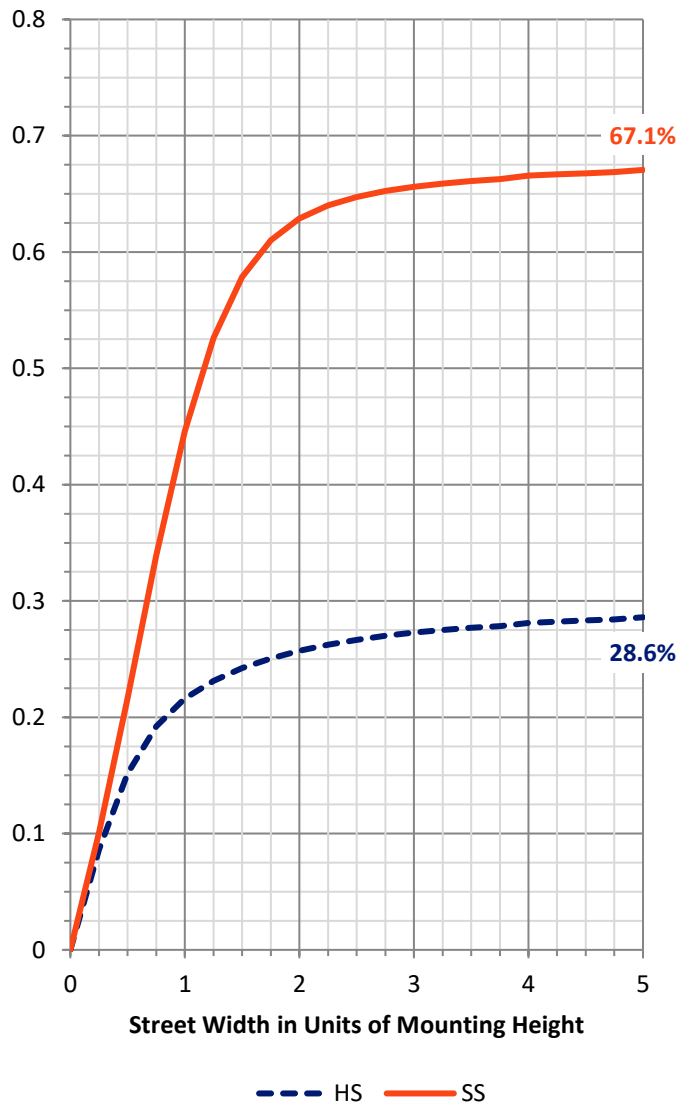
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1083.7	54.7	1138.4
	% Fixture	29.4	1.5	30.9
Street Side	Lumens	2496.0	46.7	2542.6
	% Fixture	67.8	1.3	69.1
Total	Lumens	3579.7	101.4	3681.1
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	0.3
10°-20°	46.9	1.3
20°-30°	148.8	4.0
30°-40°	366.1	9.9
40°-50°	633.5	17.2
50°-60°	891.6	24.2
60°-70°	829.0	22.5
70°-80°	472.8	12.8
80°-90°	179.9	4.9
90°-100°	53.6	1.5
100°-110°	21.8	0.6
110°-120°	11.6	0.3
120°-130°	7.3	0.2
130°-140°	4.7	0.1
140°-150°	2.1	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3579.7	97.2
0°-180°	3681.1	100.0

Coefficient of Utilization

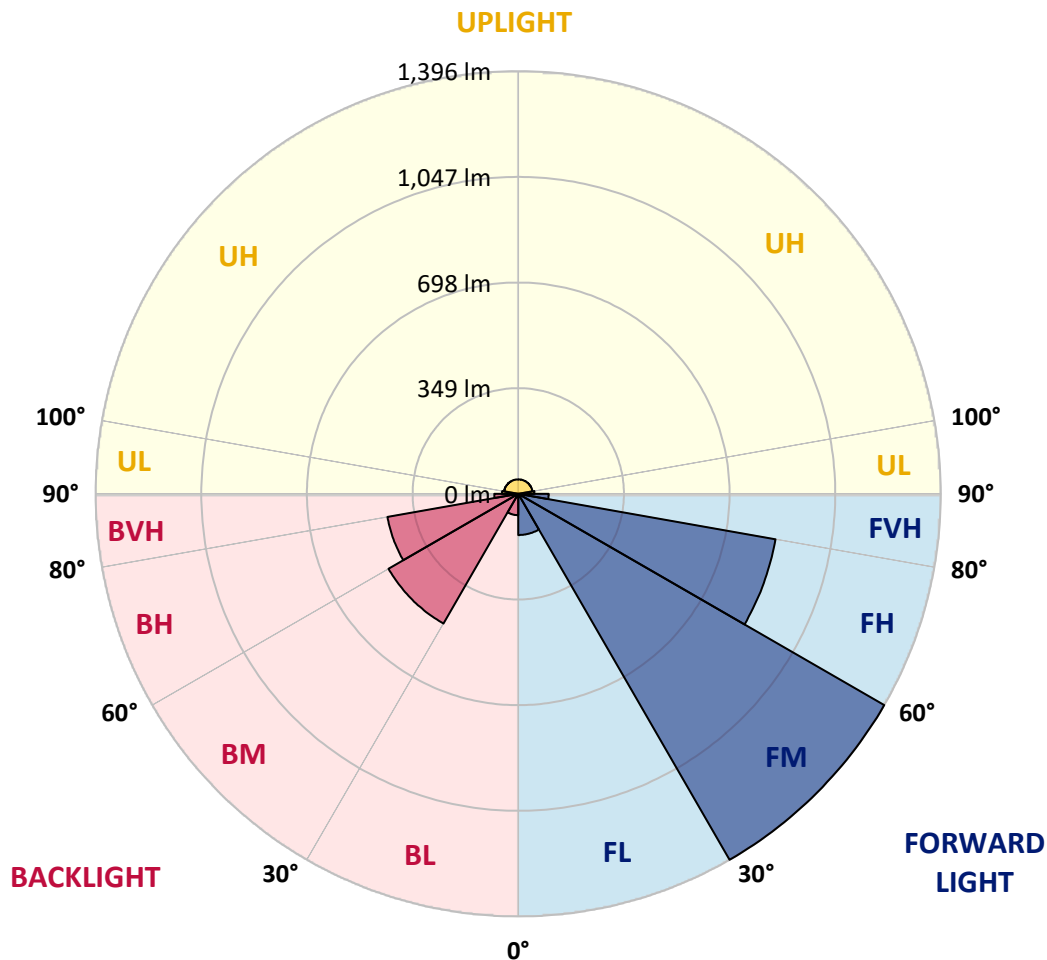


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	136.2	3.7			
FM (30°-60°)	1396.2	37.9			
FH (60°-80°)	863.1	23.4			G1/1800
FVH (80°-90°)	100.5	2.7			G2/225
BL (0°-30°)	70.6	1.9	B0/110		
BM (30°-60°)	495.0	13.4	B1/1000		
BH (60°-80°)	438.8	11.9	B1/500		G1/500
BVH (80°-90°)	79.4	2.2			G1/100
UL (90°-100°)	53.6	1.5		U3/500	
UH (100°-180°)	47.7	1.3		U2/50	

BUG Rating: B1-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3
2.5°	119.1	117.8	117.8	117.8	117.8	116.5	115.2	113.9	113.9	112.6	111.3
5°	129.4	129.4	129.4	128.1	126.8	125.5	123.0	120.4	119.1	116.5	113.9
7.5°	146.2	143.7	143.7	142.4	138.5	135.9	132.0	126.8	125.5	123.0	119.1
10°	167.0	165.7	164.4	160.5	154.0	148.8	145.0	138.5	134.6	132.0	126.8
12.5°	199.3	199.3	195.4	187.7	178.6	169.5	161.8	154.0	150.1	146.2	141.1
15°	239.4	238.1	236.8	223.9	209.7	196.7	183.8	174.7	170.8	168.3	159.2
17.5°	292.5	293.8	286.0	265.3	244.6	230.4	214.8	203.2	198.0	194.1	186.4
20°	361.1	359.8	348.1	318.4	295.1	271.8	255.0	236.8	233.0	229.1	220.0
22.5°	450.4	447.8	424.5	388.3	353.3	321.0	299.0	286.0	278.3	273.1	265.3
25°	542.3	552.6	520.3	476.3	425.8	376.6	353.3	345.6	337.8	333.9	323.6
27.5°	687.2	688.5	641.9	570.8	503.5	453.0	423.2	410.3	410.3	405.1	392.2
30°	841.3	840.0	783.0	692.4	600.5	530.6	499.6	491.8	494.4	487.9	469.8
32.5°	977.1	974.6	911.1	821.8	700.2	614.8	585.0	587.6	590.2	595.3	581.1
35°	1124.7	1123.4	1048.3	938.3	806.3	710.5	689.8	714.4	715.7	723.5	691.1
37.5°	1177.8	1185.5	1138.9	1040.6	900.8	808.9	810.2	837.4	860.7	863.3	818.0
40°	1217.9	1221.8	1179.0	1100.1	986.2	911.1	943.5	987.5	988.8	966.8	893.0
42.5°	1309.8	1313.6	1254.1	1154.5	1048.3	1014.7	1061.3	1107.9	1098.8	1079.4	987.5
45°	1369.3	1374.5	1335.6	1239.9	1110.5	1091.0	1176.5	1238.6	1237.3	1224.3	1097.5
47.5°	1430.1	1437.9	1397.8	1307.2	1181.6	1162.2	1303.3	1431.4	1430.1	1393.9	1243.8
50°	1412.0	1418.5	1421.1	1361.5	1232.1	1236.0	1436.6	1633.3	1643.7	1597.1	1422.4
52.5°	1302.0	1312.4	1349.9	1357.7	1268.3	1286.5	1566.0	1846.9	1859.8	1782.2	1560.8
55°	1159.6	1172.6	1221.8	1276.1	1246.3	1299.4	1673.4	2016.4	2024.2	1960.8	1738.2
57.5°	969.4	996.6	1060.0	1137.6	1155.7	1268.3	1674.7	2156.2	2244.2	2195.0	1931.0
60°	780.4	777.8	862.0	960.3	1019.9	1154.5	1615.2	2224.8	2318.0	2228.7	1951.7
62.5°	560.4	569.5	660.1	774.0	847.7	977.1	1476.7	2090.2	2259.7	2257.1	2060.4
65°	399.9	409.0	475.0	583.7	669.1	810.2	1252.8	1958.2	2191.1	2211.8	2050.1
67.5°	284.7	288.6	339.1	424.5	499.6	618.6	1026.3	1770.5	2003.5	2065.6	1990.5
70°	213.5	217.4	248.5	311.9	365.0	451.7	819.2	1501.3	1799.0	1889.6	1837.8
72.5°	164.4	169.5	190.3	238.1	269.2	322.3	612.2	1224.3	1454.7	1544.0	1522.0
75°	129.4	132.0	147.5	179.9	199.3	226.5	433.6	942.2	1158.3	1286.5	1286.5
77.5°	103.5	107.4	117.8	141.1	157.9	168.3	297.7	676.9	898.2	1027.6	1057.4
80°	82.8	85.4	94.5	111.3	123.0	129.4	200.6	469.8	644.5	798.5	885.3
82.5°	66.0	66.0	75.1	88.0	99.7	107.4	147.5	332.6	460.7	577.2	673.0
85°	53.1	54.4	59.5	68.6	80.2	90.6	113.9	227.8	314.5	387.0	465.9
87.5°	41.4	41.4	46.6	53.1	64.7	76.4	93.2	154.0	207.1	266.6	313.2
90°	29.8	31.1	33.7	38.8	50.5	62.1	73.8	107.4	137.2	167.0	198.0
92.5°	22.0	22.0	23.3	27.2	36.2	49.2	59.5	77.7	94.5	108.7	123.0
95°	16.8	16.8	18.1	19.4	25.9	37.5	45.3	56.9	66.0	76.4	82.8
97.5°	14.2	14.2	14.2	15.5	20.7	28.5	34.9	42.7	49.2	55.7	62.1
100°	12.9	12.9	12.9	12.9	16.8	24.6	27.2	33.7	37.5	42.7	46.6
102.5°	11.6	11.6	11.6	11.6	15.5	20.7	23.3	25.9	29.8	32.4	36.2
105°	10.4	10.4	10.4	10.4	12.9	16.8	19.4	22.0	23.3	24.6	27.2
107.5°	9.1	9.1	9.1	9.1	11.6	15.5	16.8	16.8	18.1	19.4	22.0
110°	7.8	7.8	7.8	9.1	10.4	12.9	14.2	14.2	14.2	15.5	18.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	7.8	7.8	7.8	7.8	9.1	11.6	11.6	11.6	12.9	12.9	15.5
115°	6.5	6.5	6.5	7.8	9.1	10.4	10.4	10.4	10.4	11.6	12.9
117.5°	6.5	6.5	6.5	6.5	9.1	10.4	10.4	9.1	9.1	10.4	11.6
120°	6.5	6.5	6.5	6.5	7.8	9.1	9.1	9.1	9.1	9.1	10.4
122.5°	6.5	6.5	6.5	6.5	7.8	7.8	7.8	7.8	7.8	7.8	9.1
125°	6.5	6.5	6.5	6.5	7.8	7.8	7.8	6.5	6.5	7.8	9.1
127.5°	7.8	7.8	6.5	6.5	6.5	7.8	6.5	6.5	6.5	6.5	7.8
130°	7.8	7.8	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	7.8
132.5°	7.8	7.8	6.5	6.5	6.5	6.5	6.5	5.2	5.2	6.5	7.8
135°	6.5	7.8	6.5	6.5	6.5	5.2	5.2	5.2	5.2	5.2	6.5
137.5°	6.5	6.5	6.5	5.2	5.2	5.2	3.9	3.9	3.9	5.2	5.2
140°	6.5	6.5	5.2	5.2	5.2	3.9	3.9	3.9	3.9	3.9	5.2
142.5°	5.2	5.2	5.2	3.9	3.9	3.9	2.6	2.6	2.6	2.6	3.9
145°	5.2	5.2	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6
147.5°	3.9	3.9	3.9	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3
150°	3.9	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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°	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3
2.5°	111.3	110.0	108.7	108.7	107.4	106.1	104.8	104.8	104.8	104.8	104.8
5°	112.6	111.3	108.7	106.1	103.5	101.0	99.7	97.1	97.1	97.1	95.8
7.5°	116.5	113.9	110.0	104.8	101.0	97.1	93.2	91.9	90.6	89.3	89.3
10°	123.0	120.4	113.9	107.4	101.0	95.8	90.6	86.7	84.1	84.1	84.1
12.5°	135.9	132.0	123.0	112.6	103.5	95.8	89.3	85.4	84.1	84.1	85.4
15°	156.6	151.4	138.5	125.5	111.3	99.7	94.5	94.5	95.8	97.1	97.1
17.5°	181.2	174.7	160.5	142.4	125.5	113.9	108.7	110.0	112.6	113.9	113.9
20°	216.1	204.5	190.3	165.7	143.7	133.3	126.8	125.5	132.0	134.6	134.6
22.5°	256.3	249.8	226.5	195.4	169.5	154.0	145.0	142.4	148.8	151.4	151.4
25°	315.8	302.9	275.7	234.3	200.6	174.7	161.8	159.2	168.3	173.4	173.4
27.5°	384.4	365.0	331.3	278.3	231.7	194.1	177.3	177.3	186.4	194.1	195.4
30°	455.6	433.6	393.4	327.4	262.7	209.7	189.0	190.3	199.3	211.0	208.4
32.5°	559.1	528.0	468.5	383.1	291.2	222.6	195.4	200.6	214.8	230.4	227.8
35°	660.1	627.7	556.5	445.2	315.8	229.1	199.3	211.0	226.5	238.1	238.1
37.5°	767.5	727.4	636.8	499.6	341.7	233.0	201.9	213.5	229.1	236.8	236.8
40°	838.7	798.5	695.0	538.4	352.0	231.7	200.6	212.3	222.6	225.2	222.6
42.5°	928.0	868.4	740.3	556.5	346.9	225.2	196.7	205.8	209.7	208.4	208.4
45°	1034.1	968.1	805.0	563.0	331.3	214.8	191.5	198.0	203.2	204.5	204.5
47.5°	1176.5	1100.1	889.1	573.3	311.9	204.5	189.0	199.3	204.5	200.6	200.6
50°	1340.8	1251.5	986.2	582.4	292.5	196.7	190.3	203.2	204.5	200.6	199.3
52.5°	1471.5	1374.5	1070.3	592.8	273.1	192.8	195.4	208.4	207.1	200.6	199.3
55°	1645.0	1545.3	1145.4	569.5	255.0	194.1	200.6	213.5	209.7	199.3	199.3
57.5°	1849.5	1729.1	1245.1	556.5	234.3	198.0	207.1	218.7	212.3	203.2	201.9
60°	1881.8	1765.3	1242.5	524.2	218.7	200.6	212.3	223.9	218.7	212.3	212.3
62.5°	1991.8	1866.3	1221.8	467.2	207.1	200.6	216.1	230.4	231.7	227.8	226.5
65°	1977.6	1840.4	1168.7	410.3	196.7	198.0	218.7	238.1	239.4	240.7	240.7
67.5°	1925.8	1782.2	1076.8	359.8	185.1	194.1	218.7	236.8	243.3	248.5	248.5
70°	1767.9	1637.2	960.3	309.3	173.4	183.8	208.4	229.1	235.6	242.0	243.3
72.5°	1479.3	1357.7	788.2	262.7	157.9	168.3	190.3	209.7	217.4	222.6	221.3
75°	1233.4	1135.0	640.6	208.4	141.1	148.8	167.0	183.8	189.0	192.8	192.8
77.5°	1018.6	930.6	504.8	170.8	123.0	129.4	143.7	156.6	161.8	163.1	160.5
80°	850.3	746.8	396.0	138.5	104.8	108.7	123.0	133.3	138.5	135.9	137.2
82.5°	657.5	572.1	300.3	116.5	91.9	93.2	103.5	112.6	116.5	113.9	112.6
85°	446.5	388.3	216.1	101.0	80.2	78.9	85.4	93.2	95.8	94.5	93.2
87.5°	295.1	256.3	156.6	86.7	69.9	68.6	72.5	78.9	81.5	80.2	77.7
90°	186.4	169.5	112.6	73.8	60.8	58.2	60.8	64.7	68.6	67.3	66.0
92.5°	119.1	107.4	82.8	60.8	51.8	49.2	49.2	51.8	54.4	51.8	49.2
95°	80.2	77.7	63.4	49.2	42.7	40.1	38.8	38.8	41.4	38.8	37.5
97.5°	62.1	59.5	51.8	38.8	33.7	32.4	31.1	31.1	33.7	31.1	29.8
100°	47.9	47.9	41.4	32.4	25.9	25.9	25.9	27.2	28.5	27.2	27.2
102.5°	37.5	37.5	34.9	27.2	22.0	22.0	22.0	23.3	25.9	24.6	24.6
105°	28.5	29.8	28.5	22.0	19.4	19.4	19.4	20.7	22.0	22.0	22.0
107.5°	23.3	24.6	23.3	19.4	16.8	16.8	16.8	18.1	19.4	20.7	20.7
110°	19.4	20.7	19.4	16.8	15.5	15.5	15.5	15.5	18.1	18.1	19.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.5	16.8	16.8	14.2	14.2	14.2	12.9	14.2	15.5	16.8	16.8
115°	14.2	14.2	14.2	12.9	12.9	12.9	11.6	11.6	14.2	15.5	15.5
117.5°	12.9	12.9	12.9	11.6	11.6	11.6	10.4	10.4	11.6	14.2	14.2
120°	11.6	11.6	11.6	10.4	10.4	10.4	9.1	9.1	10.4	12.9	12.9
122.5°	10.4	10.4	10.4	9.1	9.1	9.1	9.1	9.1	10.4	11.6	11.6
125°	9.1	9.1	9.1	9.1	9.1	7.8	7.8	7.8	9.1	10.4	10.4
127.5°	9.1	9.1	9.1	7.8	7.8	7.8	7.8	7.8	7.8	9.1	10.4
130°	7.8	7.8	7.8	7.8	6.5	6.5	6.5	6.5	7.8	9.1	9.1
132.5°	7.8	7.8	7.8	6.5	6.5	6.5	6.5	6.5	7.8	7.8	9.1
135°	6.5	7.8	6.5	6.5	6.5	5.2	5.2	5.2	6.5	7.8	7.8
137.5°	6.5	6.5	5.2	5.2	5.2	5.2	5.2	5.2	6.5	6.5	6.5
140°	5.2	5.2	5.2	3.9	3.9	3.9	3.9	3.9	5.2	6.5	6.5
142.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.2	5.2	5.2
145°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	5.2	5.2
147.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9
150°	1.3	1.3	1.3	1.3	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)