

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: P694892

Luminaire Tested: **LXF.LXT-PA16-30-750-U-T2R-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)
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-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3645 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium
BUG Rating: B1 - U2 - G1

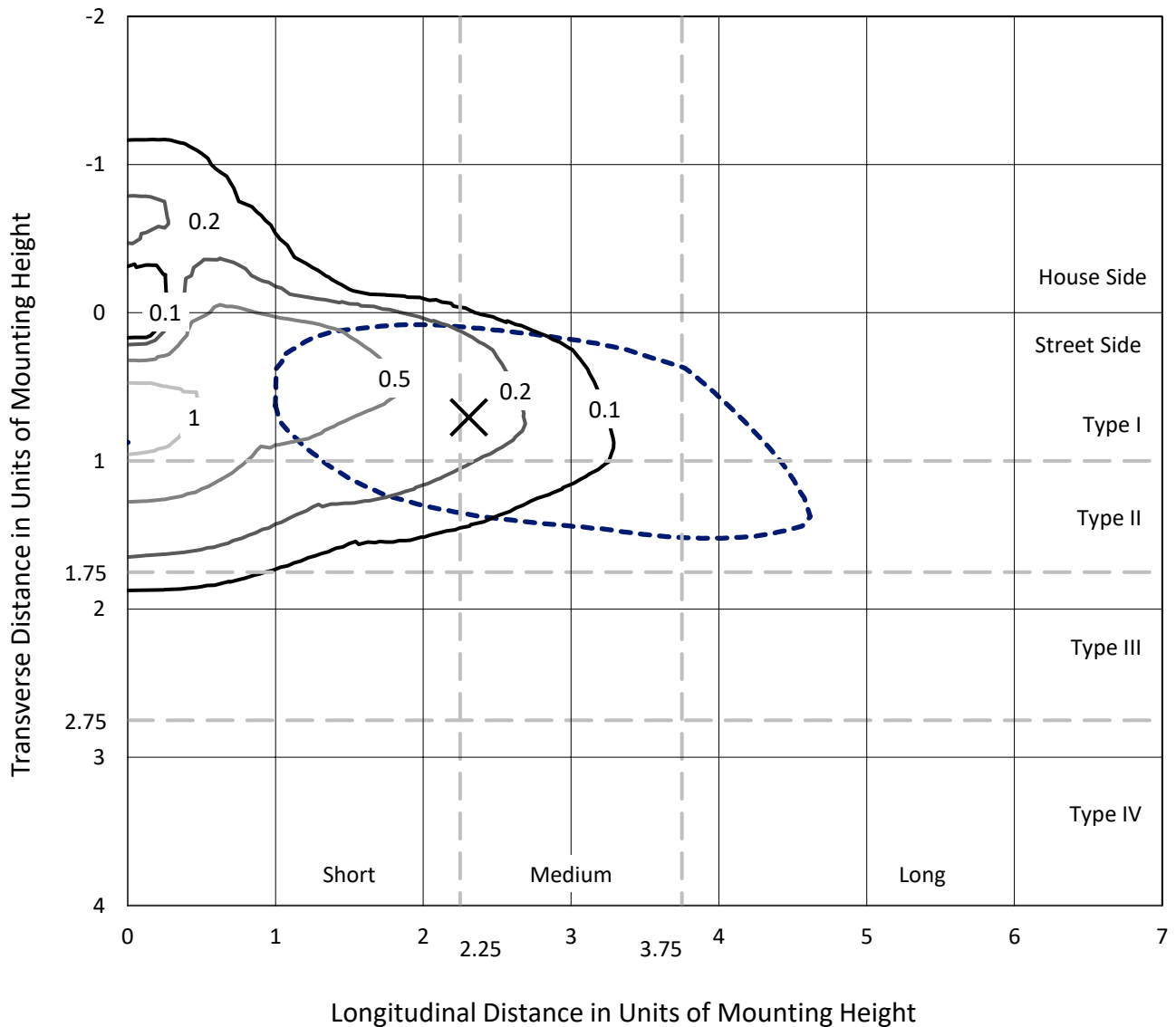
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

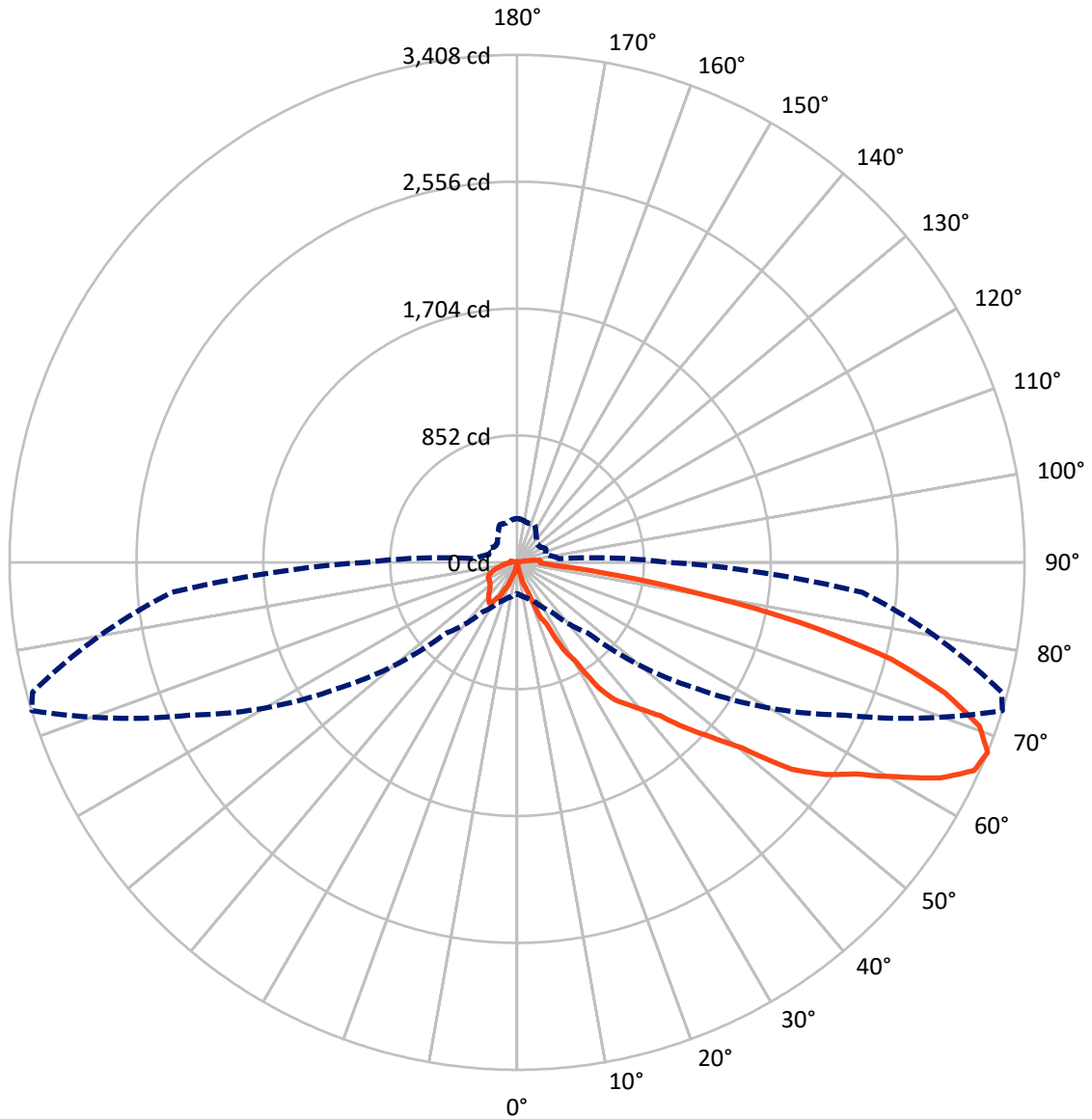
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - 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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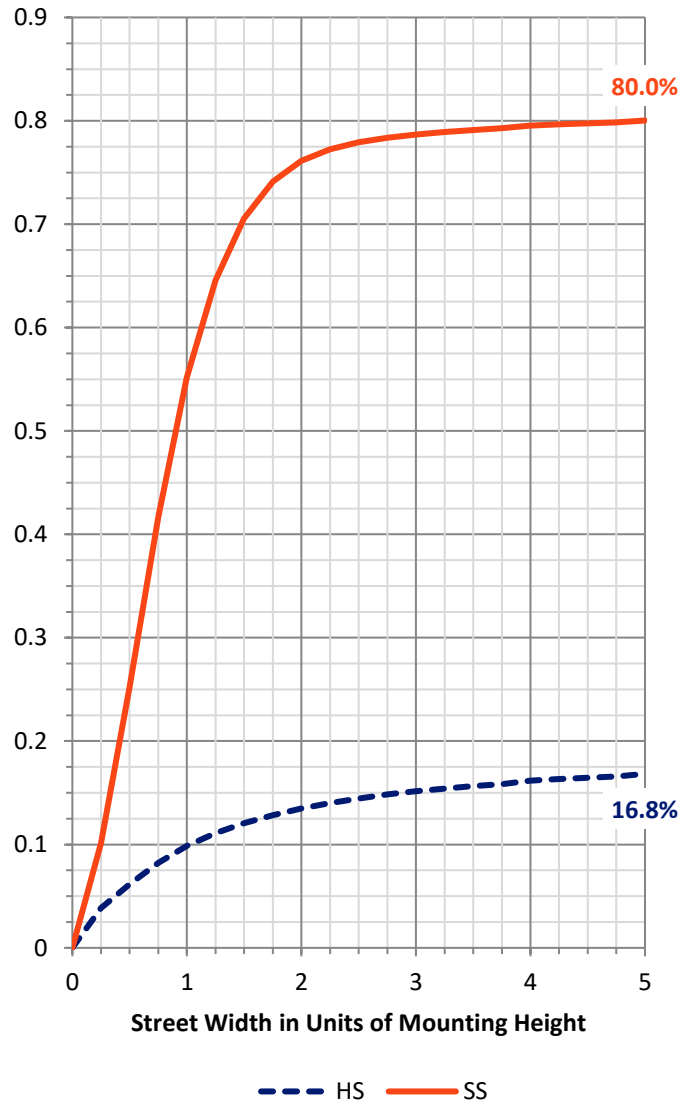
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	644.3	27.4	671.8
	% Fixture	17.7	0.8	18.4
Street Side	Lumens	2939.5	33.7	2973.2
	% Fixture	80.6	0.9	81.6
Total	Lumens	3583.9	61.2	3645.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	29.5	0.8
20°-30°	182.4	5.0
30°-40°	459.0	12.6
40°-50°	662.8	18.2
50°-60°	810.5	22.2
60°-70°	799.1	21.9
70°-80°	502.7	13.8
80°-90°	137.4	3.8
90°-100°	40.0	1.1
100°-110°	8.6	0.2
110°-120°	4.4	0.1
120°-130°	3.6	0.1
130°-140°	2.6	0.1
140°-150°	1.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3583.9	98.3
0°-180°	3645.0	100.0

Coefficient of Utilization

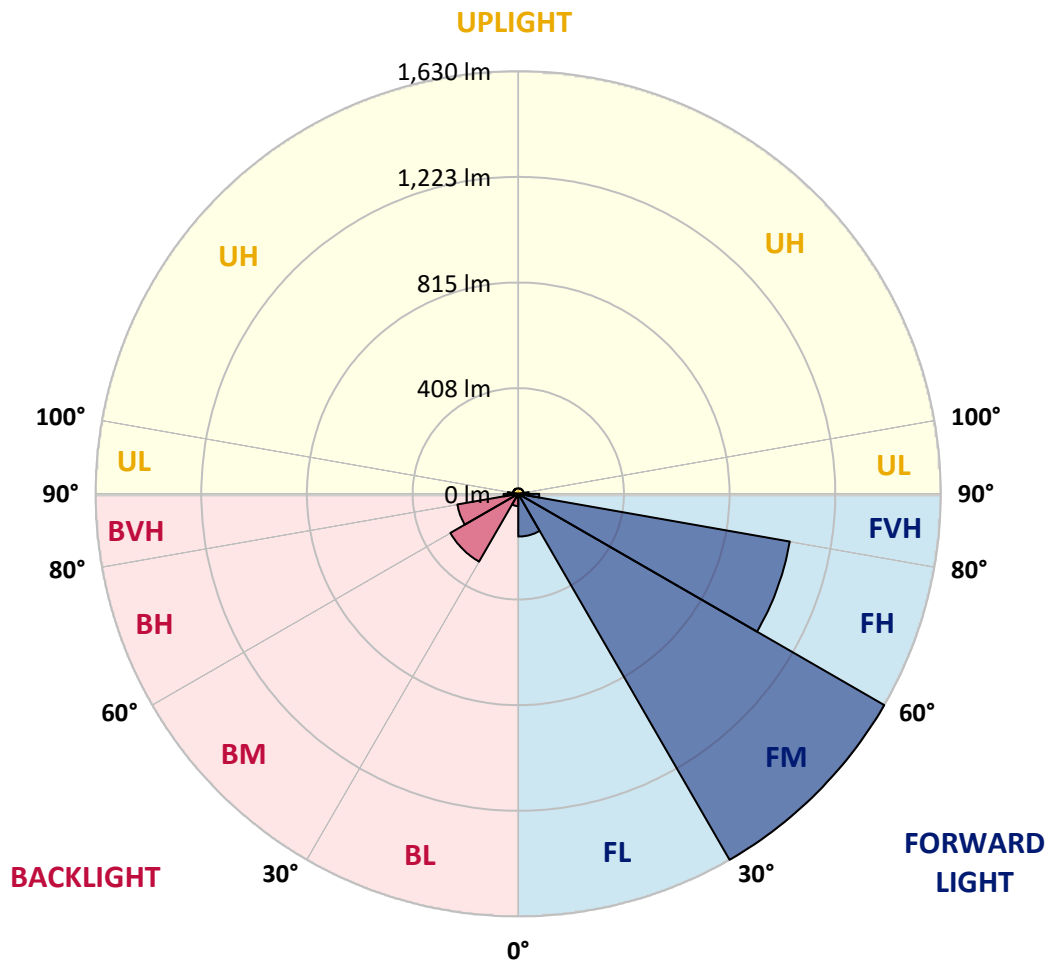


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	165.0	4.5			
FM (30°-60°)	1630.0	44.7			
FH (60°-80°)	1063.5	29.2			G1/1800
FVH (80°-90°)	81.0	2.2			G1/100
BL (0°-30°)	47.3	1.3	B0/110		
BM (30°-60°)	302.2	8.3	B1/1000		
BH (60°-80°)	238.3	6.5	B1/500		G1/500
BVH (80°-90°)	56.5	1.5			G1/100
UL (90°-100°)	40.0	1.1		U2/50	
UH (100°-180°)	21.2	0.6		U2/50	

BUG Rating: B1-U2-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.6	2.6	2.6
5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.6	2.6	2.6
7.5°	5.2	6.5	5.2	5.2	5.2	5.2	5.2	3.9	2.6	2.6	2.6
10°	22.0	20.7	14.2	12.9	7.8	6.5	5.2	3.9	3.9	3.9	3.9
12.5°	173.4	172.1	168.3	151.4	25.9	12.9	7.8	10.4	14.2	16.8	19.4
15°	199.3	201.9	198.0	194.2	187.7	62.1	27.2	150.1	139.8	134.6	103.5
17.5°	359.8	269.2	236.9	231.7	217.5	182.5	165.7	183.8	167.0	161.8	125.6
20°	494.4	491.9	482.8	466.0	261.5	332.6	318.4	216.2	218.7	231.7	247.2
22.5°	552.7	550.1	538.4	520.3	543.6	383.1	361.1	401.2	397.4	385.7	299.0
25°	906.0	894.4	831.0	605.8	607.0	534.6	554.0	516.4	455.6	444.0	348.2
27.5°	982.4	988.9	973.3	884.0	695.1	711.9	608.3	594.1	662.7	682.1	526.8
30°	1313.8	1344.8	1196.0	1008.3	911.2	777.9	745.5	815.4	766.3	744.2	576.0
32.5°	1535.1	1520.9	1492.4	1258.1	1034.2	931.9	930.6	899.6	1003.1	1000.5	809.0
35°	1623.1	1611.5	1583.0	1378.5	1189.5	1093.7	1012.2	1118.3	1135.1	1092.4	863.3
37.5°	1689.1	1676.2	1642.5	1422.5	1313.8	1159.7	1193.4	1198.6	1214.1	1205.0	911.2
40°	1693.0	1685.2	1661.9	1484.6	1382.4	1211.5	1293.1	1304.7	1300.8	1324.1	972.1
42.5°	1678.8	1663.2	1649.0	1496.3	1418.6	1251.6	1369.4	1436.7	1408.2	1441.9	1043.2
45°	1623.1	1605.0	1598.5	1496.3	1413.4	1278.8	1458.7	1561.0	1583.0	1553.2	1120.9
47.5°	1528.6	1524.7	1527.3	1461.3	1408.2	1309.9	1544.2	1655.5	1751.2	1704.7	1234.8
50°	1432.8	1439.3	1457.4	1421.2	1392.7	1328.0	1652.9	1818.6	1959.6	1896.2	1405.7
52.5°	1281.4	1290.5	1342.2	1356.5	1348.7	1326.7	1737.0	2038.6	2309.1	2221.1	1583.0
55°	1142.9	1148.1	1183.0	1234.8	1264.6	1299.5	1770.7	2135.7	2514.9	2415.2	1698.2
57.5°	985.0	974.6	1019.9	1095.0	1162.3	1262.0	1805.6	2212.0	2680.6	2626.2	1848.3
60°	797.3	775.3	841.3	911.2	1013.5	1184.3	1827.6	2344.1	2923.9	2892.9	2067.1
62.5°	537.2	547.5	613.5	708.0	850.4	1053.6	1803.0	2464.4	3188.0	3169.9	2249.6
65°	337.8	352.1	394.8	476.3	621.3	886.6	1699.5	2521.4	3371.8	3340.7	2354.4
67.5°	211.0	220.0	247.2	296.4	407.7	671.8	1484.6	2429.5	3408.0	3367.9	2328.5
70°	174.7	177.3	181.2	192.9	251.1	464.7	1180.4	2191.3	3292.8	3299.3	2221.1
72.5°	156.6	159.2	159.2	157.9	161.8	291.2	841.3	1858.7	3005.5	3005.5	2007.5
75°	143.7	145.0	141.1	139.8	137.2	181.2	513.9	1473.0	2595.2	2546.0	1677.5
77.5°	126.8	129.4	125.6	125.6	124.3	138.5	297.7	1123.5	1944.1	1861.3	1131.3
80°	108.7	108.7	108.7	108.7	110.0	110.0	186.4	771.4	1171.4	1079.5	610.9
82.5°	86.7	85.4	88.0	93.2	90.6	84.1	143.7	449.1	568.2	515.1	301.6
85°	33.7	41.4	47.9	58.2	60.8	58.2	110.0	221.3	242.0	258.9	186.4
87.5°	19.4	19.4	15.5	15.5	16.8	23.3	68.6	133.3	156.6	176.0	164.4
90°	20.7	20.7	15.5	14.2	14.2	19.4	59.5	121.7	159.2	177.3	167.0
92.5°	22.0	22.0	15.5	14.2	14.2	15.5	49.2	108.7	157.9	181.2	163.1
95°	19.4	20.7	14.2	12.9	14.2	14.2	36.2	86.7	146.3	148.8	152.7
97.5°	12.9	14.2	9.1	10.4	12.9	11.6	19.4	50.5	77.7	59.5	71.2
100°	7.8	9.1	6.5	7.8	9.1	9.1	10.4	22.0	19.4	12.9	12.9
102.5°	7.8	7.8	5.2	6.5	6.5	5.2	5.2	9.1	7.8	7.8	12.9
105°	7.8	7.8	5.2	5.2	3.9	3.9	3.9	6.5	6.5	7.8	12.9
107.5°	5.2	6.5	3.9	3.9	3.9	3.9	2.6	3.9	6.5	6.5	14.2
110°	3.9	3.9	2.6	2.6	2.6	3.9	2.6	3.9	5.2	6.5	10.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	2.6	3.9	2.6	2.6	2.6	2.6	2.6	3.9	5.2	5.2	6.5
115°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	5.2	7.8
117.5°	3.9	3.9	2.6	2.6	1.3	2.6	2.6	2.6	3.9	5.2	7.8
120°	3.9	3.9	2.6	2.6	1.3	1.3	2.6	2.6	5.2	5.2	7.8
122.5°	3.9	3.9	2.6	1.3	1.3	1.3	2.6	2.6	3.9	5.2	7.8
125°	3.9	3.9	2.6	1.3	1.3	1.3	2.6	2.6	3.9	5.2	6.5
127.5°	3.9	3.9	2.6	1.3	1.3	1.3	2.6	2.6	3.9	3.9	6.5
130°	3.9	3.9	2.6	1.3	1.3	1.3	2.6	2.6	3.9	3.9	6.5
132.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	5.2
135°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9
137.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
140°	3.9	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
142.5°	3.9	3.9	3.9	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6
145°	5.2	5.2	5.2	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6
147.5°	5.2	5.2	5.2	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6
150°	5.2	6.5	5.2	3.9	2.6	2.6	2.6	2.6	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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9
5°	2.6	2.6	2.6	1.3	1.3	1.3	1.3	2.6	2.6	2.6	2.6
7.5°	2.6	2.6	2.6	1.3	1.3	1.3	1.3	2.6	2.6	2.6	2.6
10°	3.9	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6	1.3
12.5°	19.4	19.4	14.2	6.5	2.6	1.3	1.3	1.3	3.9	3.9	3.9
15°	94.5	85.4	76.4	67.3	18.1	2.6	2.6	11.6	44.0	62.1	64.7
17.5°	110.0	99.7	89.3	81.5	72.5	27.2	29.8	77.7	80.2	81.5	80.2
20°	212.3	189.0	123.0	93.2	80.2	84.1	73.8	82.8	89.3	91.9	91.9
22.5°	252.4	217.5	186.4	163.1	95.8	115.2	107.4	95.8	148.8	152.7	154.0
25°	292.5	247.2	200.6	173.4	167.0	119.1	126.8	146.3	157.9	160.5	159.2
27.5°	427.1	352.1	280.9	187.7	177.3	148.8	159.2	154.0	168.3	205.8	209.7
30°	459.5	366.3	286.1	227.8	186.4	174.7	164.4	200.6	217.5	217.5	218.7
32.5°	636.8	489.3	352.1	227.8	205.8	176.0	196.7	209.7	220.0	235.6	230.4
35°	666.6	494.4	348.2	264.0	205.8	185.1	203.2	216.2	264.0	269.2	267.9
37.5°	691.2	489.3	328.8	256.3	222.6	196.7	207.1	247.2	266.6	265.3	262.8
40°	718.4	481.5	309.3	251.1	221.3	198.0	221.3	248.5	260.2	253.7	247.2
42.5°	749.4	469.8	292.5	239.5	216.2	199.3	222.6	242.0	240.7	236.9	233.0
45°	789.6	456.9	273.1	229.1	213.6	196.7	218.7	225.2	234.3	231.7	229.1
47.5°	849.1	444.0	256.3	220.0	211.0	192.9	221.3	229.1	236.9	230.4	229.1
50°	937.1	425.8	242.0	217.5	209.7	204.5	203.2	235.6	242.0	226.5	223.9
52.5°	996.6	405.1	234.3	214.9	205.8	199.3	216.2	233.0	239.5	221.3	220.0
55°	1036.8	375.4	227.8	214.9	203.2	187.7	234.3	238.2	238.2	217.5	214.9
57.5°	1080.8	354.7	223.9	218.7	201.9	174.7	244.6	243.3	238.2	211.0	212.3
60°	1144.2	341.7	220.0	222.6	201.9	178.6	240.7	255.0	238.2	214.9	222.6
62.5°	1180.4	328.8	217.5	223.9	199.3	178.6	233.0	271.8	257.6	240.7	242.0
65°	1130.0	311.9	209.7	222.6	195.4	182.5	225.2	278.3	275.7	267.9	269.2
67.5°	1014.8	283.5	195.4	213.6	182.5	185.1	221.3	278.3	273.1	289.9	293.8
70°	886.6	249.8	174.7	198.0	173.4	182.5	230.4	269.2	269.2	300.3	306.8
72.5°	750.7	204.5	151.4	181.2	173.4	177.3	240.7	258.9	258.9	300.3	299.0
75°	616.1	163.1	126.8	155.3	160.5	177.3	239.5	247.2	240.7	274.4	267.9
77.5°	450.4	129.4	108.7	130.7	145.0	177.3	231.7	230.4	220.0	235.6	233.0
80°	277.0	102.3	91.9	111.3	121.7	169.6	218.7	209.7	191.6	199.3	196.7
82.5°	160.5	76.4	77.7	94.5	97.1	155.3	198.0	182.5	163.1	167.0	163.1
85°	103.5	49.2	60.8	72.5	76.4	126.8	169.6	154.0	132.0	170.9	163.1
87.5°	80.2	28.5	41.4	47.9	46.6	55.7	97.1	91.9	90.6	73.8	71.2
90°	75.1	24.6	41.4	41.4	33.7	27.2	37.5	38.8	32.4	34.9	31.1
92.5°	67.3	24.6	44.0	41.4	29.8	22.0	31.1	31.1	24.6	23.3	22.0
95°	55.7	22.0	46.6	42.7	27.2	19.4	25.9	24.6	19.4	18.1	16.8
97.5°	29.8	14.2	44.0	38.8	24.6	18.1	23.3	20.7	14.2	12.9	11.6
100°	10.4	9.1	42.7	33.7	20.7	14.2	16.8	15.5	9.1	7.8	6.5
102.5°	9.1	7.8	24.6	24.6	12.9	7.8	10.4	10.4	7.8	6.5	6.5
105°	10.4	7.8	9.1	12.9	6.5	3.9	5.2	6.5	6.5	7.8	7.8
107.5°	10.4	7.8	6.5	6.5	5.2	3.9	3.9	3.9	6.5	7.8	7.8
110°	9.1	7.8	5.2	6.5	5.2	3.9	3.9	3.9	6.5	9.1	9.1

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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)