

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: P695864

Luminaire Tested: **LXF.LXT-PA16-727-U-T3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-727-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5967 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G3

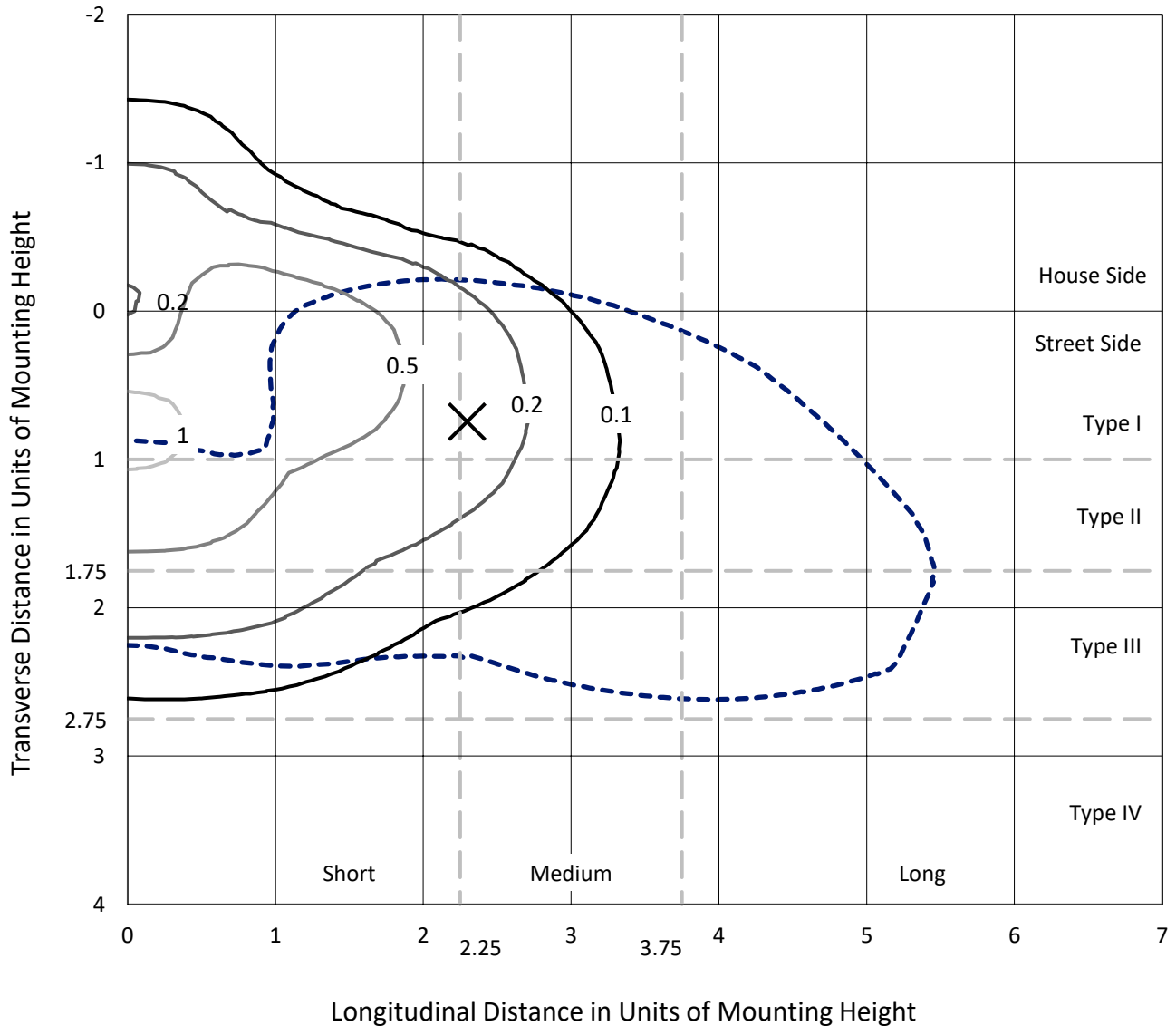
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

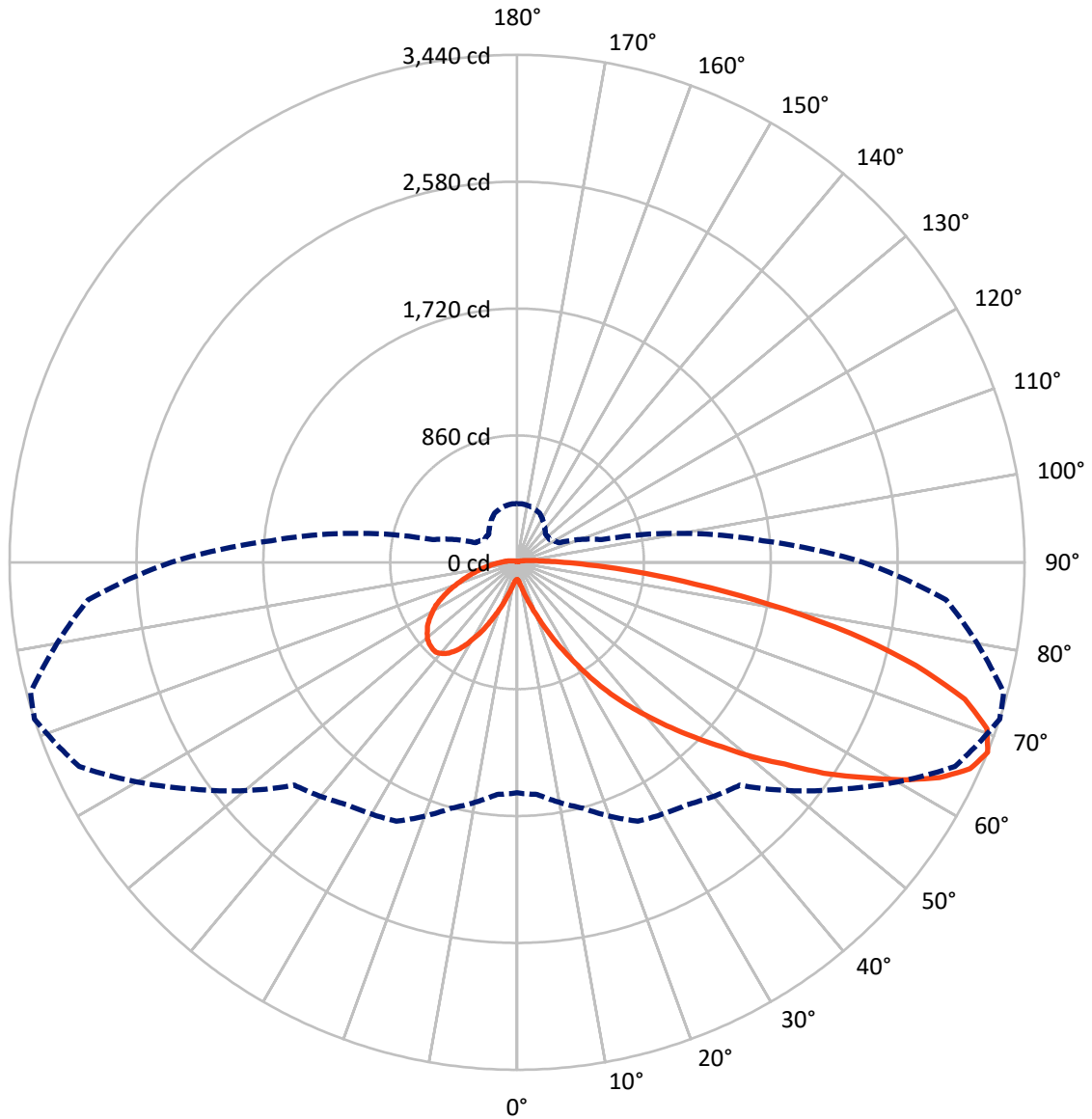
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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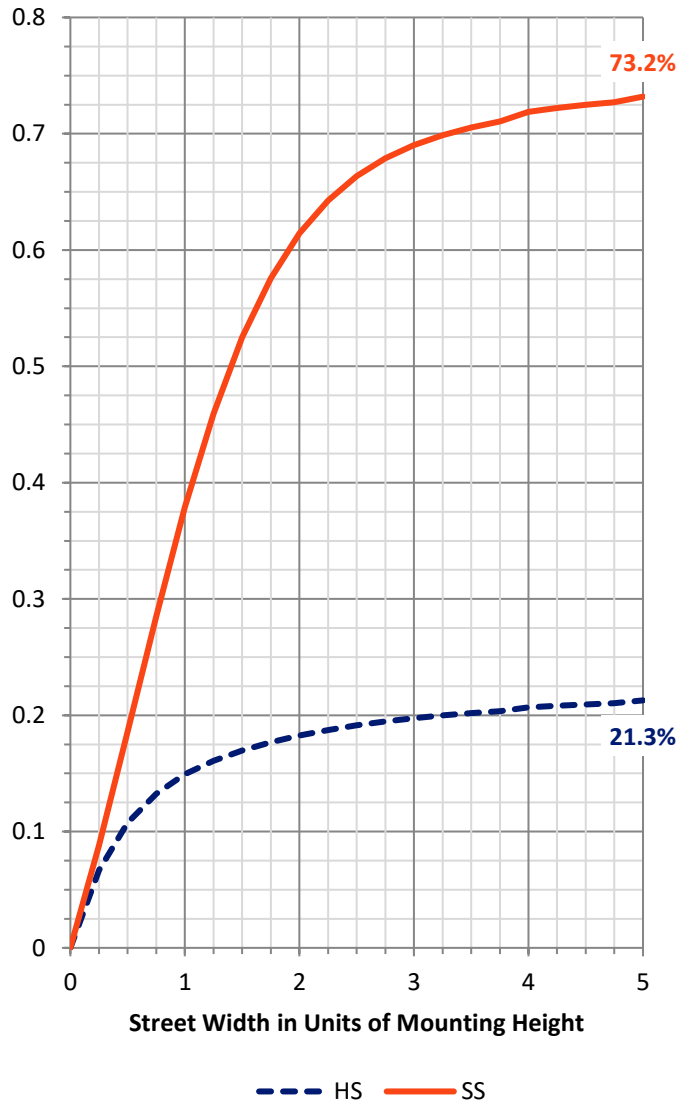
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1332.8	100.1	1432.9
	% Fixture	22.3	1.7	24.0
Street Side	Lumens	4441.9	92.2	4534.1
	% Fixture	74.4	1.5	76.0
Total	Lumens	5774.7	192.3	5967.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	0.2
10°-20°	70.4	1.2
20°-30°	225.9	3.8
30°-40°	505.1	8.5
40°-50°	842.0	14.1
50°-60°	1225.7	20.5
60°-70°	1469.0	24.6
70°-80°	1054.7	17.7
80°-90°	368.5	6.2
90°-100°	100.9	1.7
100°-110°	43.2	0.7
110°-120°	22.3	0.4
120°-130°	13.2	0.2
130°-140°	8.2	0.1
140°-150°	4.2	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5774.7	96.8
0°-180°	5967.0	100.0

Coefficient of Utilization

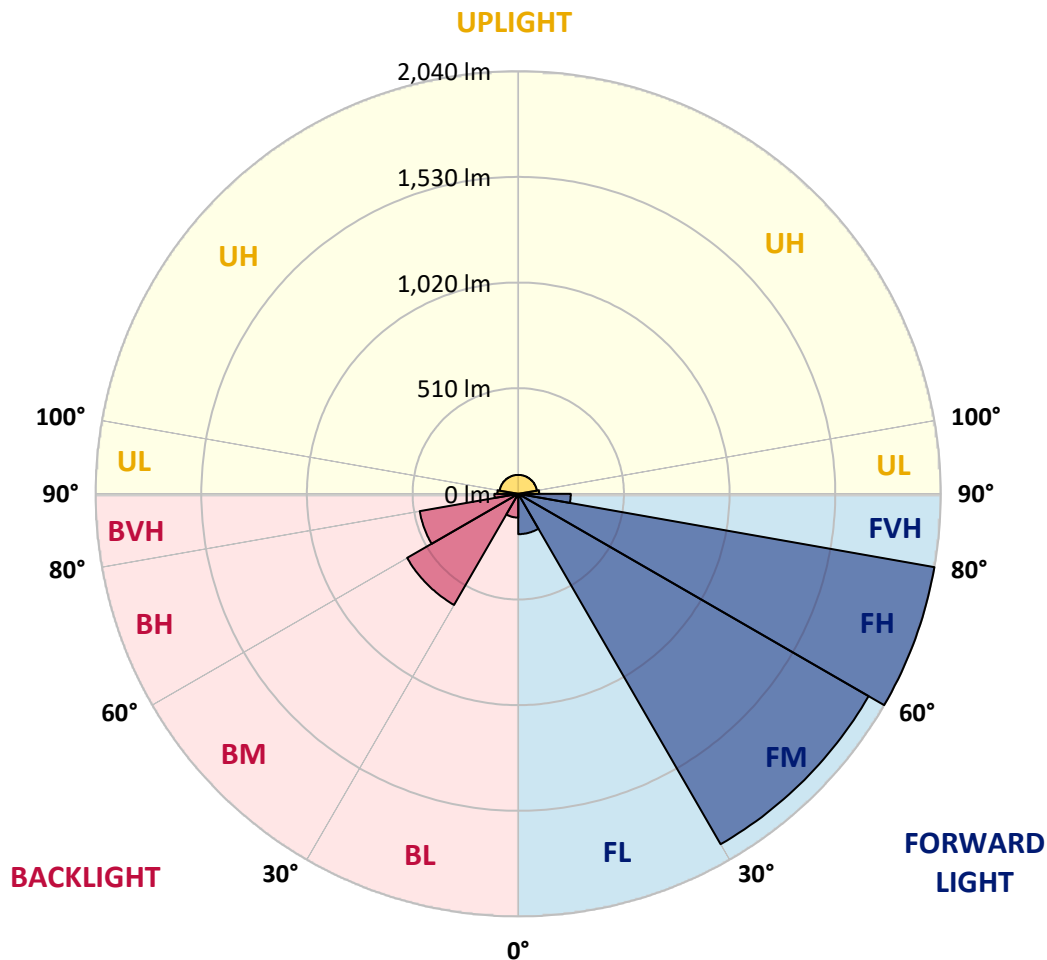


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	194.7	3.3			
FM (30°-60°)	1953.4	32.7			
FH (60°-80°)	2040.4	34.2			G2/5000
FVH (80°-90°)	253.4	4.2			G3/500
BL (0°-30°)	114.9	1.9	B1/500		
BM (30°-60°)	619.5	10.4	B1/1000		
BH (60°-80°)	483.3	8.1	B1/500		G1/500
BVH (80°-90°)	115.2	1.9			G2/225
UL (90°-100°)	100.9	1.7		U3/500	
UH (100°-180°)	91.4	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
2.5°	123.9	123.9	123.9	126.0	123.9	123.9	123.9	121.7	121.7	121.7	119.5
5°	143.4	143.4	141.2	141.2	139.1	139.1	136.9	134.7	132.6	130.4	128.2
7.5°	167.3	167.3	165.1	165.1	163.0	158.6	156.5	152.1	149.9	147.8	145.6
10°	204.3	202.1	202.1	199.9	195.6	191.2	186.9	180.4	176.0	173.8	169.5
12.5°	252.1	249.9	247.7	239.0	234.7	228.2	221.6	217.3	213.0	208.6	202.1
15°	312.9	310.7	304.2	297.7	282.5	276.0	267.3	265.1	260.8	258.6	247.7
17.5°	386.8	380.3	375.9	360.7	345.5	330.3	326.0	321.6	319.4	317.3	310.7
20°	478.1	471.5	462.9	434.6	417.2	399.8	389.0	391.1	389.0	389.0	382.5
22.5°	588.9	591.1	567.2	530.2	491.1	469.4	465.0	471.5	475.9	480.2	467.2
25°	723.6	721.4	684.5	634.5	584.5	554.1	549.8	562.8	578.0	586.7	575.8
27.5°	873.6	862.7	825.7	751.9	688.8	643.2	645.4	673.6	688.8	695.4	686.7
30°	1030.0	1025.7	971.3	882.2	791.0	734.5	743.2	784.5	812.7	827.9	806.2
32.5°	1199.5	1186.5	1123.4	1019.1	899.6	830.1	849.6	908.3	954.0	956.1	945.3
35°	1360.3	1360.3	1286.4	1160.4	1012.6	930.1	954.0	1049.6	1095.2	1108.2	1084.3
37.5°	1518.9	1508.1	1445.1	1288.6	1125.6	1027.8	1060.4	1173.4	1236.4	1249.5	1219.1
40°	1651.5	1649.3	1577.6	1429.8	1227.8	1123.4	1166.9	1306.0	1379.9	1401.6	1351.6
42.5°	1786.2	1777.5	1721.0	1553.7	1349.4	1221.2	1279.9	1449.4	1532.0	1545.0	1492.9
45°	1886.2	1879.7	1838.4	1684.1	1464.6	1325.5	1399.4	1592.8	1695.0	1708.0	1627.6
47.5°	1981.8	1981.8	1947.0	1818.8	1584.1	1442.9	1536.3	1762.3	1868.8	1890.5	1799.3
50°	2075.2	2066.5	2057.8	1947.0	1705.8	1573.3	1671.0	1940.5	2073.1	2094.8	1968.8
52.5°	2129.6	2142.6	2153.5	2077.4	1842.7	1697.1	1834.0	2133.9	2273.0	2303.4	2166.5
55°	2179.5	2173.0	2223.0	2173.0	1960.1	1834.0	2016.6	2355.5	2522.9	2533.7	2379.5
57.5°	2177.4	2183.9	2257.8	2262.1	2075.2	1960.1	2188.2	2575.0	2748.9	2785.8	2575.0
60°	2125.2	2142.6	2238.2	2283.8	2166.5	2073.1	2366.4	2805.4	2994.4	3031.4	2768.4
62.5°	2018.7	2025.3	2162.2	2262.1	2192.6	2160.0	2525.0	3018.3	3213.9	3211.7	2916.2
65°	1818.8	1829.7	1975.3	2138.2	2144.8	2181.7	2633.7	3192.2	3374.7	3361.7	2964.0
67.5°	1562.4	1579.8	1725.4	1936.2	2005.7	2136.1	2679.3	3274.7	3439.9	3413.8	2918.4
70°	1240.8	1284.3	1399.4	1621.1	1799.3	1990.5	2618.5	3253.0	3379.0	3344.3	2731.5
72.5°	912.7	932.2	1053.9	1271.2	1490.7	1775.4	2420.7	3072.6	3174.8	3092.2	2438.1
75°	641.0	647.6	749.7	936.6	1173.4	1482.0	2123.0	2722.8	2794.5	2714.1	2033.9
77.5°	395.5	408.5	488.9	643.2	862.7	1182.1	1727.5	2268.6	2314.3	2210.0	1586.3
80°	243.4	252.1	308.6	425.9	599.8	862.7	1336.4	1723.2	1738.4	1666.7	1134.3
82.5°	156.5	165.1	202.1	273.8	399.8	601.9	940.9	1227.8	1219.1	1143.0	764.9
85°	102.1	108.7	132.6	182.5	265.1	415.0	628.0	814.9	795.3	738.8	497.6
87.5°	67.4	71.7	93.4	128.2	182.5	276.0	404.2	493.3	482.4	445.5	310.7
90°	45.6	47.8	65.2	89.1	128.2	189.1	260.8	297.7	278.1	262.9	202.1
92.5°	32.6	36.9	47.8	67.4	97.8	134.7	169.5	184.7	173.8	167.3	136.9
95°	26.1	26.1	39.1	54.3	76.1	102.1	119.5	119.5	113.0	110.8	100.0
97.5°	21.7	21.7	32.6	45.6	63.0	80.4	86.9	84.7	80.4	82.6	76.1
100°	17.4	19.6	28.2	39.1	52.2	65.2	67.4	63.0	60.8	60.8	58.7
102.5°	15.2	17.4	26.1	34.8	45.6	54.3	56.5	52.2	47.8	47.8	45.6
105°	15.2	15.2	21.7	30.4	39.1	45.6	45.6	41.3	39.1	36.9	34.8
107.5°	13.0	13.0	19.6	28.2	34.8	39.1	39.1	34.8	30.4	30.4	28.2
110°	10.9	13.0	17.4	23.9	30.4	34.8	34.8	30.4	26.1	23.9	23.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	10.9	10.9	15.2	21.7	26.1	30.4	28.2	23.9	21.7	19.6	19.6
115°	10.9	10.9	13.0	19.6	23.9	26.1	26.1	21.7	17.4	17.4	17.4
117.5°	10.9	10.9	13.0	17.4	21.7	23.9	21.7	19.6	15.2	15.2	15.2
120°	10.9	10.9	13.0	15.2	19.6	21.7	19.6	17.4	13.0	13.0	15.2
122.5°	8.7	10.9	10.9	15.2	17.4	19.6	17.4	15.2	13.0	13.0	13.0
125°	8.7	10.9	10.9	13.0	15.2	17.4	15.2	13.0	10.9	10.9	13.0
127.5°	8.7	8.7	10.9	13.0	15.2	15.2	15.2	13.0	10.9	10.9	13.0
130°	8.7	10.9	10.9	10.9	13.0	15.2	13.0	10.9	10.9	10.9	10.9
132.5°	8.7	8.7	10.9	10.9	13.0	13.0	10.9	10.9	8.7	8.7	10.9
135°	8.7	8.7	8.7	10.9	10.9	10.9	10.9	8.7	8.7	8.7	10.9
137.5°	8.7	8.7	8.7	8.7	10.9	10.9	8.7	8.7	8.7	8.7	8.7
140°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	6.5	8.7	8.7	8.7
142.5°	8.7	8.7	8.7	6.5	8.7	6.5	6.5	6.5	6.5	6.5	8.7
145°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
147.5°	6.5	6.5	6.5	6.5	6.5	6.5	4.3	4.3	6.5	6.5	6.5
150°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
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°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
2.5°	117.3	117.3	117.3	115.2	115.2	115.2	113.0	113.0	113.0	113.0	113.0
5°	128.2	126.0	123.9	121.7	117.3	117.3	115.2	115.2	113.0	113.0	113.0
7.5°	143.4	141.2	136.9	132.6	128.2	123.9	121.7	119.5	117.3	117.3	117.3
10°	165.1	163.0	154.3	147.8	141.2	136.9	132.6	130.4	128.2	126.0	126.0
12.5°	197.7	195.6	184.7	171.7	160.8	152.1	145.6	143.4	141.2	139.1	141.2
15°	243.4	239.0	223.8	202.1	186.9	171.7	165.1	163.0	165.1	165.1	163.0
17.5°	304.2	293.4	269.5	241.2	217.3	197.7	189.1	189.1	189.1	191.2	191.2
20°	373.8	362.9	328.1	289.0	249.9	226.0	215.1	215.1	217.3	219.5	223.8
22.5°	456.3	438.9	393.3	336.8	286.8	254.2	241.2	241.2	247.7	254.2	254.2
25°	558.5	536.7	469.4	386.8	323.8	282.5	265.1	267.3	278.1	284.7	286.8
27.5°	669.3	641.0	551.9	445.5	356.4	304.2	286.8	291.2	304.2	315.1	315.1
30°	795.3	747.5	628.0	495.4	384.6	321.6	304.2	312.9	328.1	341.2	343.3
32.5°	910.5	862.7	714.9	543.3	408.5	332.5	315.1	328.1	345.5	360.7	360.7
35°	1038.7	977.9	786.6	580.2	421.6	339.0	321.6	339.0	358.5	371.6	371.6
37.5°	1162.6	1077.8	843.1	601.9	425.9	339.0	323.8	345.5	362.9	373.8	375.9
40°	1275.6	1175.6	884.4	608.4	421.6	334.6	323.8	345.5	362.9	369.4	371.6
42.5°	1397.2	1258.2	914.8	601.9	410.7	328.1	321.6	343.3	358.5	360.7	362.9
45°	1518.9	1349.4	923.5	580.2	395.5	319.4	315.1	336.8	349.9	349.9	349.9
47.5°	1651.5	1438.5	923.5	554.1	375.9	310.7	310.7	332.5	341.2	339.0	339.0
50°	1790.6	1523.3	917.0	523.7	358.5	302.0	304.2	328.1	336.8	330.3	330.3
52.5°	1936.2	1614.6	895.3	486.8	339.0	293.4	302.0	326.0	334.6	328.1	328.1
55°	2112.2	1703.6	871.4	452.0	321.6	286.8	299.9	326.0	334.6	328.1	328.1
57.5°	2236.0	1781.9	834.4	419.4	308.6	282.5	299.9	330.3	339.0	334.6	334.6
60°	2379.5	1834.0	786.6	386.8	295.5	278.1	304.2	334.6	347.7	347.7	347.7
62.5°	2457.7	1847.1	736.7	358.5	286.8	276.0	308.6	343.3	360.7	362.9	365.1
65°	2457.7	1790.6	667.1	334.6	278.1	273.8	312.9	354.2	375.9	382.5	384.6
67.5°	2346.9	1673.2	593.2	312.9	269.5	271.6	317.3	365.1	386.8	397.7	397.7
70°	2164.3	1488.5	515.0	291.2	260.8	269.5	319.4	369.4	393.3	404.2	404.2
72.5°	1864.4	1273.4	441.1	273.8	252.1	265.1	317.3	369.4	391.1	399.8	397.7
75°	1510.2	1017.0	369.4	254.2	241.2	254.2	306.4	358.5	375.9	380.3	380.3
77.5°	1175.6	775.8	310.7	232.5	226.0	241.2	291.2	336.8	352.0	354.2	352.0
80°	836.6	560.6	260.8	213.0	208.6	221.6	265.1	304.2	317.3	319.4	315.1
82.5°	562.8	402.0	213.0	186.9	186.9	199.9	236.9	267.3	278.1	276.0	273.8
85°	365.1	271.6	173.8	160.8	163.0	176.0	202.1	226.0	232.5	230.3	223.8
87.5°	239.0	191.2	139.1	136.9	139.1	149.9	169.5	182.5	191.2	186.9	184.7
90°	163.0	136.9	113.0	113.0	117.3	126.0	139.1	145.6	147.8	147.8	145.6
92.5°	119.5	106.5	93.4	93.4	100.0	106.5	113.0	115.2	119.5	117.3	115.2
95°	91.3	86.9	78.2	78.2	84.7	91.3	93.4	91.3	95.6	95.6	93.4
97.5°	71.7	71.7	67.4	67.4	71.7	76.1	78.2	76.1	78.2	76.1	76.1
100°	56.5	56.5	58.7	58.7	60.8	65.2	65.2	65.2	65.2	63.0	60.8
102.5°	45.6	47.8	50.0	52.2	54.3	54.3	56.5	54.3	54.3	50.0	50.0
105°	36.9	36.9	41.3	43.5	45.6	47.8	47.8	47.8	45.6	41.3	41.3
107.5°	30.4	32.6	34.8	39.1	39.1	41.3	43.5	41.3	36.9	32.6	34.8
110°	23.9	26.1	30.4	32.6	34.8	36.9	36.9	34.8	30.4	28.2	28.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.7	21.7	26.1	28.2	30.4	32.6	32.6	30.4	26.1	23.9	23.9
115°	19.6	19.6	21.7	23.9	26.1	28.2	28.2	26.1	21.7	19.6	19.6
117.5°	17.4	17.4	19.6	21.7	23.9	26.1	23.9	23.9	19.6	17.4	17.4
120°	15.2	17.4	17.4	19.6	21.7	21.7	21.7	19.6	17.4	17.4	17.4
122.5°	15.2	15.2	17.4	17.4	19.6	19.6	19.6	17.4	15.2	15.2	15.2
125°	13.0	15.2	15.2	15.2	17.4	17.4	17.4	15.2	13.0	13.0	13.0
127.5°	13.0	13.0	13.0	15.2	15.2	15.2	15.2	13.0	13.0	13.0	13.0
130°	13.0	13.0	13.0	13.0	13.0	15.2	13.0	13.0	10.9	13.0	13.0
132.5°	10.9	10.9	10.9	13.0	13.0	13.0	13.0	10.9	10.9	10.9	10.9
135°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
137.5°	10.9	10.9	10.9	10.9	10.9	10.9	8.7	8.7	8.7	10.9	10.9
140°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
142.5°	8.7	8.7	8.7	6.5	6.5	6.5	6.5	6.5	6.5	8.7	8.7
145°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
147.5°	6.5	6.5	6.5	4.3	4.3	4.3	4.3	6.5	6.5	6.5	6.5
150°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5	6.5
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)