

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: P695971

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-750-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6993 lumens
Efficiency: N/A
Efficacy: 97.1 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: B2 - U3 - G3

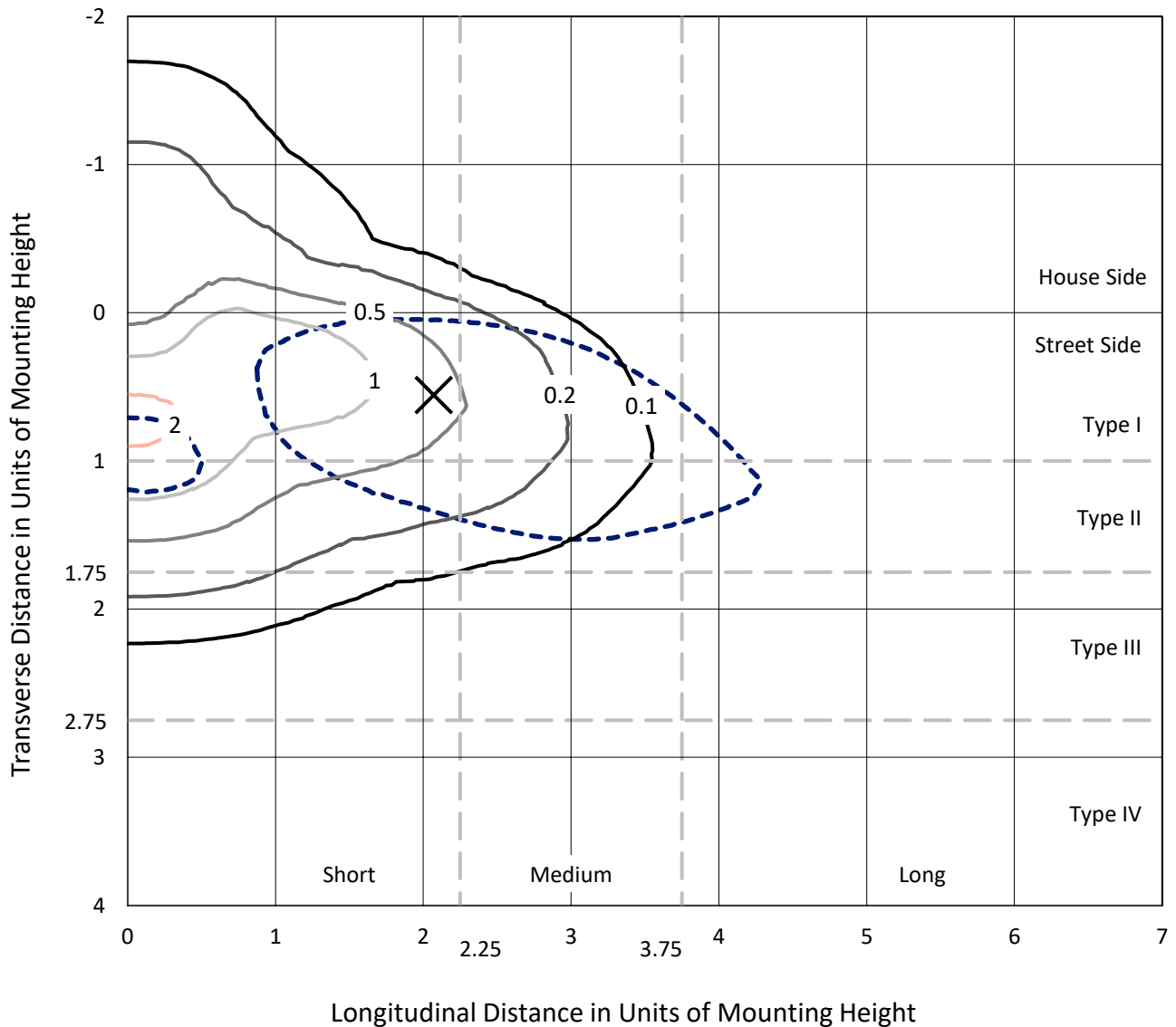
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

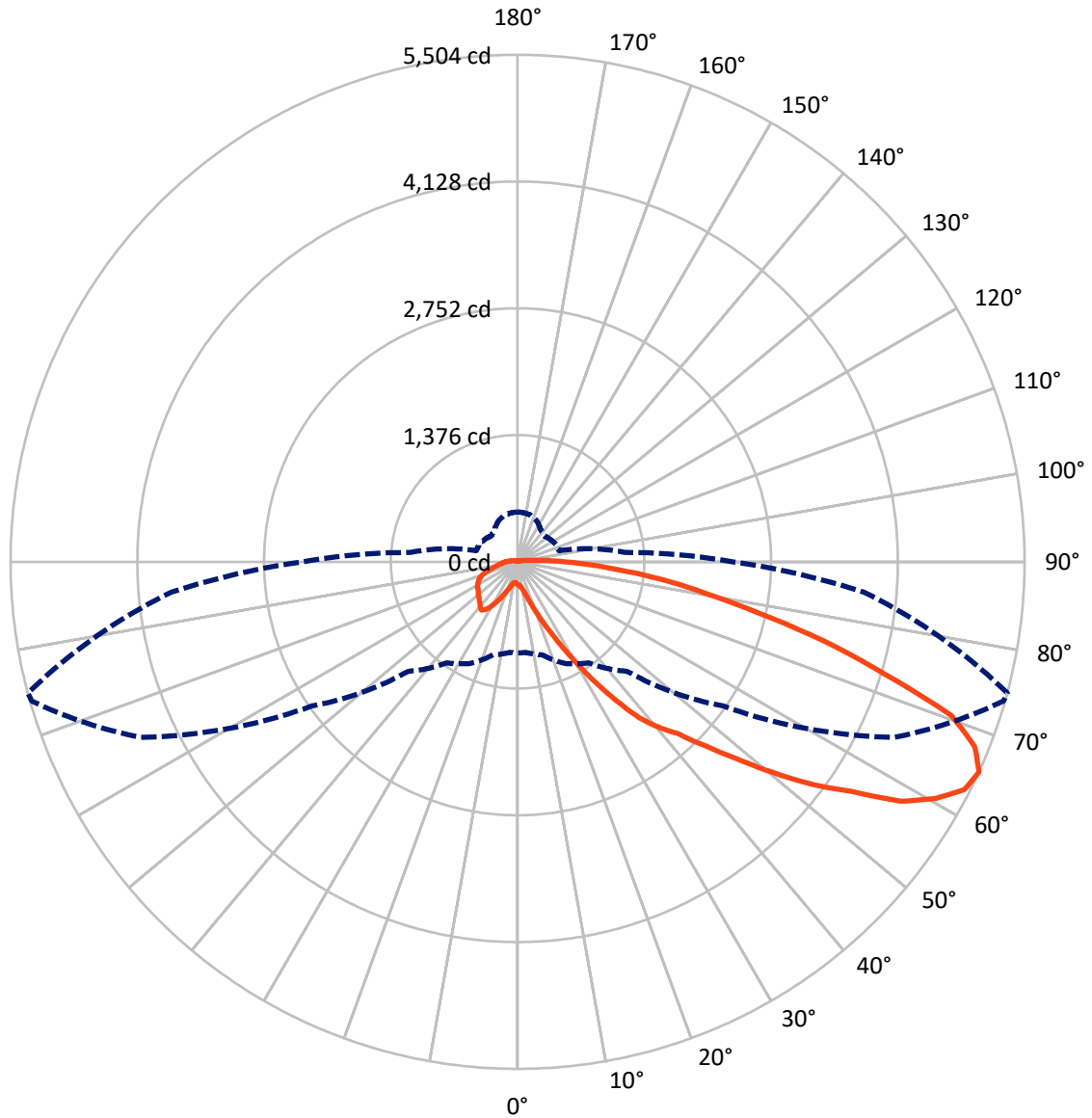
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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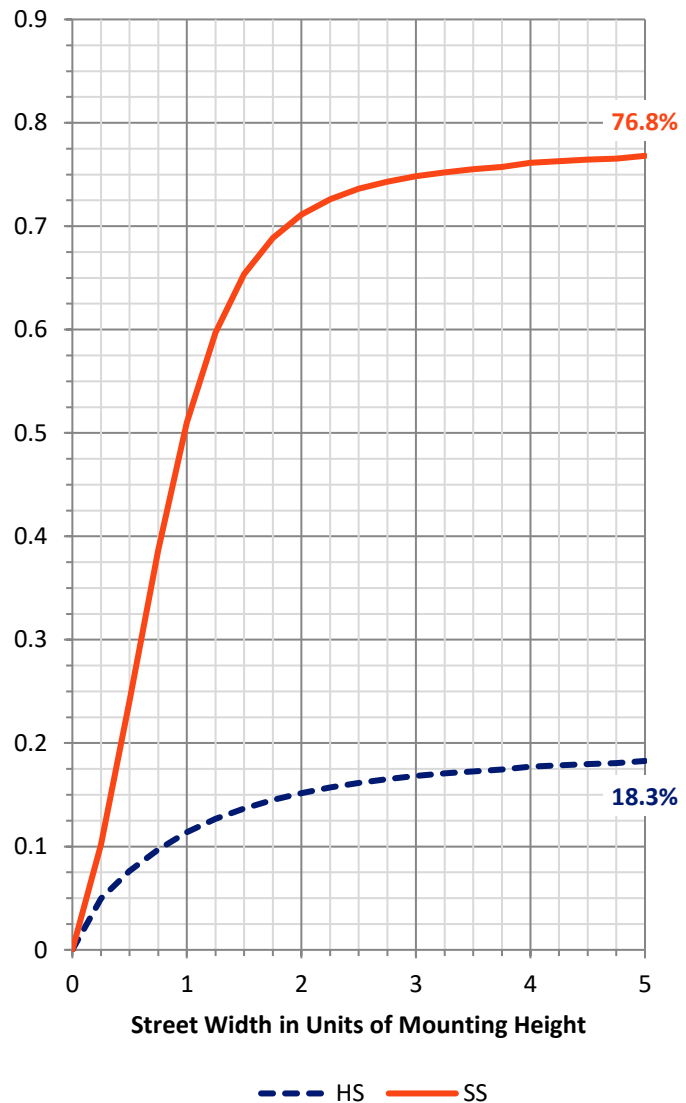
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1338.9	106.3	1445.3
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	5441.1	106.7	5547.7
	% Fixture	77.8	1.5	79.3
Total	Lumens	6780.0	213.0	6993.0
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	0.4
10°-20°	106.7	1.5
20°-30°	333.3	4.8
30°-40°	792.3	11.3
40°-50°	1226.6	17.5
50°-60°	1530.5	21.9
60°-70°	1497.6	21.4
70°-80°	910.7	13.0
80°-90°	357.7	5.1
90°-100°	111.6	1.6
100°-110°	44.6	0.6
110°-120°	24.7	0.4
120°-130°	16.2	0.2
130°-140°	10.8	0.2
140°-150°	4.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6780.0	97.0
0°-180°	6993.0	100.0

Coefficient of Utilization



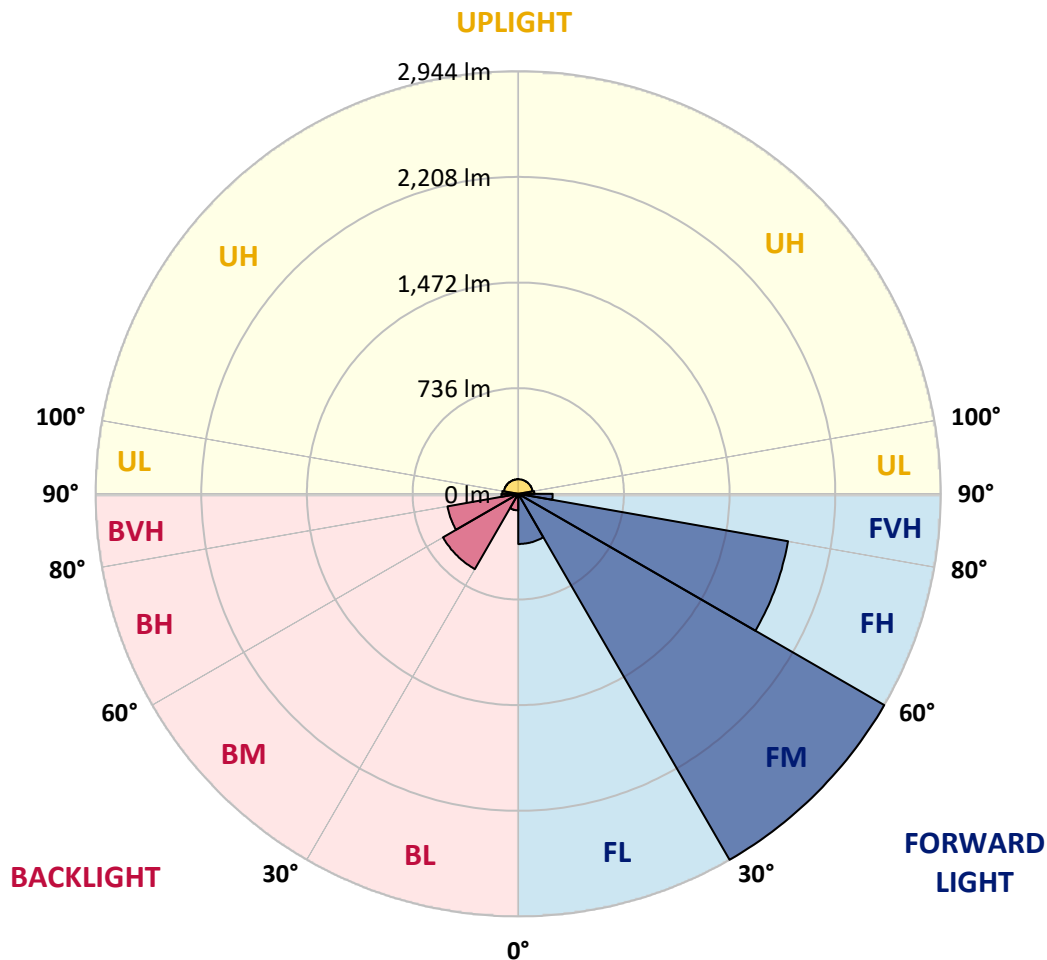
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	349.5	5.0			
FM (30°-60°)	2943.6	42.1			
FH (60°-80°)	1908.0	27.3			G2/5000
FVH (80°-90°)	240.0	3.4			G3/500
BL (0°-30°)	115.3	1.6	B1/500		
BM (30°-60°)	605.7	8.7	B1/1000		
BH (60°-80°)	500.3	7.2	B2/1000		G2/1000
BVH (80°-90°)	117.6	1.7			G2/225
UL (90°-100°)	111.6	1.6		U3/500	
UH (100°-180°)	101.4	1.5		U3/500	

BUG Rating: B2-U3-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	245.6	245.6	245.6	245.6	245.6	245.6	245.6	245.6	245.6	245.6	245.6
2.5°	271.4	274.0	271.4	268.8	266.3	263.7	258.5	255.9	250.8	250.8	245.6
5°	315.4	315.4	315.4	307.6	302.5	297.3	284.4	274.0	263.7	261.1	253.3
7.5°	369.7	364.5	361.9	354.2	343.8	333.5	315.4	297.3	281.8	279.2	263.7
10°	434.3	431.7	429.1	418.8	400.7	382.6	356.7	333.5	307.6	305.0	279.2
12.5°	522.2	519.6	509.3	496.3	470.5	442.0	411.0	382.6	349.0	346.4	310.2
15°	617.8	620.4	612.7	586.8	561.0	522.2	486.0	452.4	416.2	405.9	359.3
17.5°	762.6	760.0	741.9	698.0	666.9	625.6	579.1	535.1	491.2	483.4	423.9
20°	920.3	925.4	899.6	837.6	788.4	739.3	700.5	635.9	592.0	586.8	504.1
22.5°	1121.9	1134.8	1080.6	1018.5	935.8	878.9	840.1	778.1	716.1	716.1	610.1
25°	1385.6	1390.8	1318.4	1217.6	1114.2	1026.3	992.7	953.9	881.5	871.2	747.1
27.5°	1657.0	1672.5	1587.2	1455.4	1300.3	1194.3	1173.6	1152.9	1065.0	1062.5	889.3
30°	2078.4	2070.6	1925.9	1737.2	1512.3	1372.7	1359.7	1383.0	1300.3	1289.9	1075.4
32.5°	2461.0	2448.0	2292.9	2044.8	1737.2	1571.7	1551.0	1628.6	1571.7	1569.1	1287.4
35°	2776.3	2758.3	2618.7	2339.5	1980.2	1755.3	1768.2	1897.4	1869.0	1856.1	1481.2
37.5°	2923.7	2954.7	2835.8	2564.4	2189.5	1944.0	2003.4	2194.7	2168.9	2150.8	1693.2
40°	3024.5	3065.9	2941.8	2685.9	2334.3	2112.0	2207.6	2440.3	2386.0	2362.7	1783.7
42.5°	3060.7	3094.3	3011.6	2755.7	2422.2	2238.7	2365.3	2621.2	2587.6	2548.9	1912.9
45°	3037.4	3078.8	3014.2	2786.7	2466.1	2316.2	2481.7	2851.3	2877.2	2846.1	2096.5
47.5°	2947.0	2993.5	2970.2	2786.7	2479.1	2355.0	2621.2	3143.4	3202.9	3187.4	2298.1
50°	2704.0	2755.7	2797.0	2732.4	2466.1	2367.9	2776.3	3433.0	3608.7	3598.4	2577.3
52.5°	2507.5	2548.9	2564.4	2561.8	2417.0	2386.0	2923.7	3810.4	4032.7	4017.2	2828.0
55°	2243.8	2269.7	2344.6	2326.5	2254.2	2360.2	3034.9	4087.0	4415.3	4397.2	3115.0
57.5°	1788.9	1832.8	1972.4	2119.7	2052.5	2274.8	3084.0	4337.7	4927.1	4903.8	3445.9
60°	1522.6	1535.5	1615.7	1755.3	1848.3	2104.2	3065.9	4596.2	5234.7	5214.1	3595.8
62.5°	1240.8	1248.6	1349.4	1468.3	1600.1	1915.5	2959.9	4611.7	5433.8	5444.1	3743.2
65°	990.1	987.5	1046.9	1217.6	1339.1	1680.3	2729.8	4508.3	5485.5	5503.6	3771.6
67.5°	754.8	778.1	855.7	943.5	1109.0	1408.9	2401.5	4236.9	5345.9	5351.1	3655.3
70°	519.6	529.9	602.3	741.9	866.0	1168.4	2039.6	3818.1	4994.3	4994.3	3324.4
72.5°	374.8	387.8	423.9	514.4	669.5	915.1	1685.5	3277.8	4208.5	4167.1	2784.1
75°	279.2	281.8	315.4	369.7	473.1	713.5	1310.6	2577.3	3417.4	3430.4	2287.8
77.5°	217.1	219.7	235.2	274.0	346.4	519.6	974.6	1987.9	2662.6	2667.8	1765.6
80°	181.0	183.5	191.3	212.0	258.5	372.2	716.1	1496.7	2057.7	2060.3	1375.2
82.5°	149.9	152.5	160.3	173.2	201.6	276.6	514.4	1145.2	1558.8	1579.5	1031.4
85°	126.7	129.3	134.4	144.8	165.4	214.6	372.2	822.0	1098.6	1090.9	713.5
87.5°	103.4	103.4	111.2	118.9	134.4	173.2	274.0	563.5	744.5	736.7	496.3
90°	77.6	80.1	85.3	95.6	111.2	137.0	199.0	369.7	462.7	462.7	315.4
92.5°	56.9	56.9	64.6	75.0	87.9	111.2	144.8	235.2	276.6	279.2	204.2
95°	41.4	41.4	46.5	51.7	67.2	87.9	106.0	144.8	170.6	165.4	139.6
97.5°	33.6	33.6	36.2	41.4	51.7	69.8	82.7	103.4	113.7	113.7	103.4
100°	28.4	28.4	31.0	31.0	41.4	56.9	67.2	75.0	82.7	85.3	82.7
102.5°	23.3	25.9	25.9	25.9	33.6	49.1	54.3	59.5	64.6	64.6	64.6
105°	20.7	20.7	23.3	23.3	28.4	41.4	46.5	49.1	51.7	51.7	51.7
107.5°	18.1	18.1	20.7	20.7	25.9	36.2	38.8	38.8	41.4	41.4	41.4
110°	18.1	18.1	18.1	18.1	23.3	31.0	31.0	31.0	31.0	31.0	33.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	15.5	15.5	18.1	18.1	20.7	28.4	28.4	25.9	25.9	25.9	31.0
115°	15.5	15.5	15.5	18.1	20.7	23.3	23.3	23.3	23.3	23.3	25.9
117.5°	15.5	15.5	15.5	18.1	18.1	23.3	20.7	20.7	20.7	20.7	23.3
120°	15.5	15.5	15.5	15.5	18.1	20.7	20.7	18.1	18.1	18.1	20.7
122.5°	15.5	15.5	15.5	15.5	18.1	18.1	18.1	15.5	15.5	15.5	20.7
125°	15.5	15.5	18.1	18.1	18.1	18.1	18.1	15.5	15.5	15.5	18.1
127.5°	18.1	18.1	18.1	18.1	15.5	18.1	15.5	15.5	15.5	15.5	18.1
130°	20.7	20.7	20.7	18.1	15.5	15.5	15.5	15.5	15.5	15.5	18.1
132.5°	20.7	20.7	20.7	18.1	15.5	15.5	12.9	12.9	15.5	15.5	15.5
135°	20.7	20.7	18.1	15.5	15.5	12.9	12.9	12.9	12.9	12.9	15.5
137.5°	18.1	18.1	18.1	15.5	12.9	12.9	10.3	10.3	12.9	12.9	12.9
140°	15.5	15.5	15.5	12.9	10.3	10.3	7.8	7.8	10.3	10.3	10.3
142.5°	12.9	12.9	12.9	10.3	10.3	7.8	7.8	7.8	7.8	7.8	10.3
145°	10.3	10.3	10.3	7.8	7.8	7.8	5.2	5.2	7.8	7.8	7.8
147.5°	7.8	7.8	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2
150°	7.8	7.8	7.8	5.2	5.2	5.2	2.6	5.2	5.2	5.2	5.2
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°	245.6	245.6	245.6	245.6	245.6	245.6	245.6	245.6	245.6	245.6	245.6
2.5°	245.6	243.0	237.8	235.2	230.1	227.5	224.9	222.3	224.9	222.3	222.3
5°	248.2	243.0	232.7	222.3	214.6	209.4	204.2	199.0	199.0	196.5	193.9
7.5°	253.3	245.6	227.5	214.6	199.0	188.7	181.0	175.8	173.2	170.6	170.6
10°	266.3	253.3	230.1	206.8	188.7	173.2	162.9	157.7	152.5	152.5	152.5
12.5°	292.1	276.6	240.4	206.8	181.0	162.9	149.9	144.8	144.8	144.8	144.8
15°	336.1	310.2	263.7	219.7	183.5	157.7	149.9	152.5	157.7	162.9	160.3
17.5°	390.3	359.3	294.7	237.8	193.9	170.6	165.4	173.2	181.0	186.1	188.7
20°	457.6	411.0	328.3	255.9	212.0	196.5	191.3	199.0	209.4	217.1	217.1
22.5°	545.4	483.4	372.2	281.8	237.8	222.3	217.1	224.9	237.8	245.6	245.6
25°	656.6	571.3	426.5	315.4	266.3	243.0	243.0	253.3	271.4	281.8	284.4
27.5°	780.7	664.4	475.6	356.7	297.3	266.3	268.8	289.5	310.2	325.7	325.7
30°	915.1	775.5	532.5	392.9	320.5	289.5	292.1	318.0	346.4	367.1	364.5
32.5°	1075.4	891.8	592.0	429.1	343.8	307.6	315.4	354.2	387.8	413.6	411.0
35°	1238.2	992.7	630.8	462.7	364.5	323.1	336.1	385.2	423.9	447.2	447.2
37.5°	1364.9	1075.4	654.0	480.8	382.6	336.1	351.6	405.9	447.2	467.9	465.3
40°	1408.9	1075.4	635.9	483.4	390.3	346.4	364.5	416.2	452.4	465.3	457.6
42.5°	1476.1	1096.1	610.1	467.9	392.9	354.2	369.7	416.2	439.5	442.0	436.9
45°	1571.7	1129.7	592.0	457.6	387.8	356.7	369.7	408.4	436.9	444.6	439.5
47.5°	1693.2	1163.3	571.3	452.4	387.8	356.7	369.7	416.2	444.6	444.6	439.5
50°	1848.3	1217.6	561.0	455.0	395.5	359.3	377.4	426.5	452.4	447.2	444.6
52.5°	1967.2	1230.5	542.9	462.7	403.3	364.5	385.2	436.9	460.1	449.8	447.2
55°	2122.3	1261.5	522.2	462.7	416.2	377.4	395.5	447.2	465.3	452.4	449.8
57.5°	2282.6	1295.1	519.6	460.1	421.4	387.8	405.9	455.0	470.5	460.1	457.6
60°	2326.5	1256.3	504.1	467.9	423.9	398.1	413.6	462.7	486.0	480.8	480.8
62.5°	2362.7	1225.3	486.0	465.3	431.7	398.1	421.4	475.6	511.8	511.8	511.8
65°	2336.9	1165.9	465.3	455.0	429.1	400.7	431.7	491.2	527.4	537.7	540.3
67.5°	2228.3	1083.1	444.6	439.5	416.2	400.7	434.3	491.2	535.1	550.6	550.6
70°	1995.7	946.1	408.4	408.4	398.1	385.2	426.5	483.4	519.6	537.7	537.7
72.5°	1672.5	783.3	354.2	367.1	364.5	361.9	405.9	457.6	480.8	496.3	493.7
75°	1331.3	630.8	307.6	312.8	318.0	325.7	372.2	413.6	421.4	434.3	431.7
77.5°	1044.4	504.1	261.1	266.3	271.4	289.5	333.5	359.3	364.5	372.2	369.7
80°	816.9	413.6	224.9	224.9	232.7	250.8	286.9	310.2	320.5	325.7	318.0
82.5°	635.9	338.6	199.0	191.3	199.0	214.6	243.0	263.7	271.4	271.4	268.8
85°	452.4	271.4	175.8	165.4	168.0	183.5	209.4	222.3	227.5	224.9	219.7
87.5°	330.9	222.3	155.1	139.6	142.2	162.9	181.0	188.7	191.3	193.9	188.7
90°	232.7	178.4	134.4	116.3	116.3	137.0	155.1	157.7	160.3	160.3	157.7
92.5°	165.4	139.6	111.2	95.6	95.6	113.7	126.7	124.1	126.7	124.1	118.9
95°	121.5	108.6	93.1	77.6	75.0	87.9	93.1	90.5	93.1	90.5	90.5
97.5°	95.6	87.9	77.6	64.6	59.5	67.2	69.8	69.8	75.0	69.8	69.8
100°	77.6	72.4	67.2	54.3	49.1	54.3	56.9	59.5	62.0	59.5	59.5
102.5°	64.6	62.0	56.9	49.1	43.9	46.5	49.1	51.7	54.3	54.3	51.7
105°	51.7	51.7	49.1	41.4	38.8	38.8	41.4	43.9	49.1	49.1	49.1
107.5°	41.4	43.9	41.4	36.2	33.6	33.6	36.2	38.8	41.4	43.9	43.9
110°	36.2	36.2	36.2	31.0	31.0	31.0	31.0	33.6	38.8	41.4	41.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	31.0	31.0	31.0	28.4	28.4	28.4	28.4	28.4	33.6	36.2	38.8
115°	28.4	28.4	28.4	25.9	25.9	25.9	25.9	25.9	31.0	33.6	33.6
117.5°	25.9	25.9	25.9	23.3	23.3	23.3	23.3	23.3	25.9	31.0	31.0
120°	23.3	23.3	23.3	20.7	20.7	20.7	20.7	20.7	23.3	28.4	28.4
122.5°	20.7	20.7	20.7	20.7	18.1	18.1	18.1	18.1	20.7	25.9	25.9
125°	18.1	20.7	18.1	18.1	18.1	18.1	15.5	18.1	20.7	23.3	23.3
127.5°	18.1	18.1	18.1	18.1	15.5	15.5	15.5	15.5	18.1	20.7	20.7
130°	18.1	18.1	18.1	15.5	15.5	12.9	12.9	15.5	15.5	18.1	18.1
132.5°	15.5	15.5	15.5	15.5	12.9	12.9	12.9	12.9	15.5	15.5	15.5
135°	15.5	15.5	12.9	12.9	12.9	10.3	10.3	10.3	12.9	15.5	15.5
137.5°	12.9	12.9	12.9	12.9	10.3	10.3	10.3	10.3	12.9	12.9	12.9
140°	10.3	10.3	10.3	10.3	10.3	7.8	7.8	7.8	10.3	10.3	10.3
142.5°	10.3	10.3	10.3	7.8	7.8	7.8	7.8	7.8	10.3	10.3	10.3
145°	7.8	7.8	7.8	7.8	5.2	5.2	5.2	7.8	7.8	7.8	7.8
147.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8	7.8	7.8
150°	5.2	5.2	5.2	5.2	2.6	2.6	2.6	5.2	5.2	5.2	5.2
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)