

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: P695974

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6972 lumens
Efficiency: N/A
Efficacy: 96.8 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

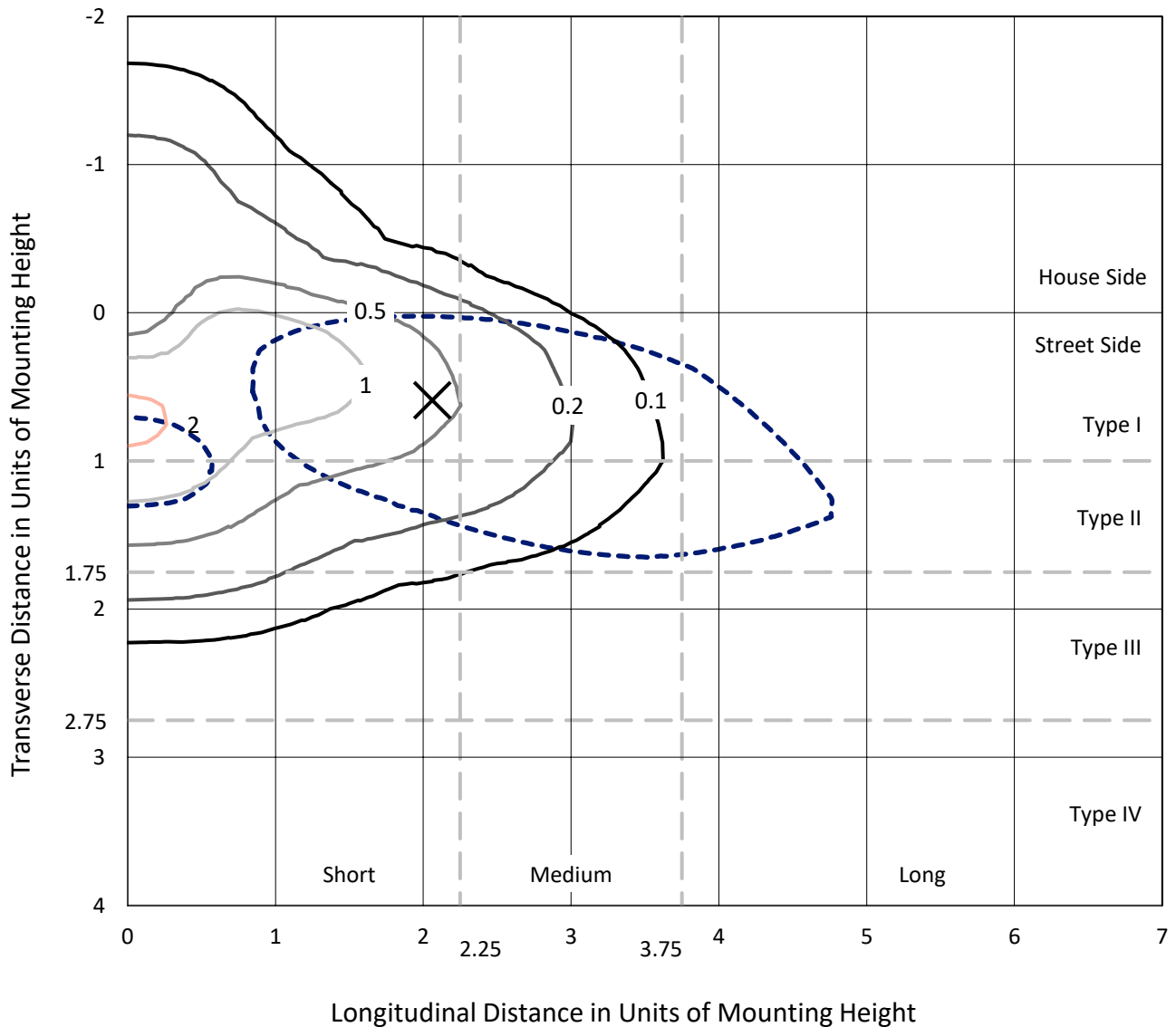
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

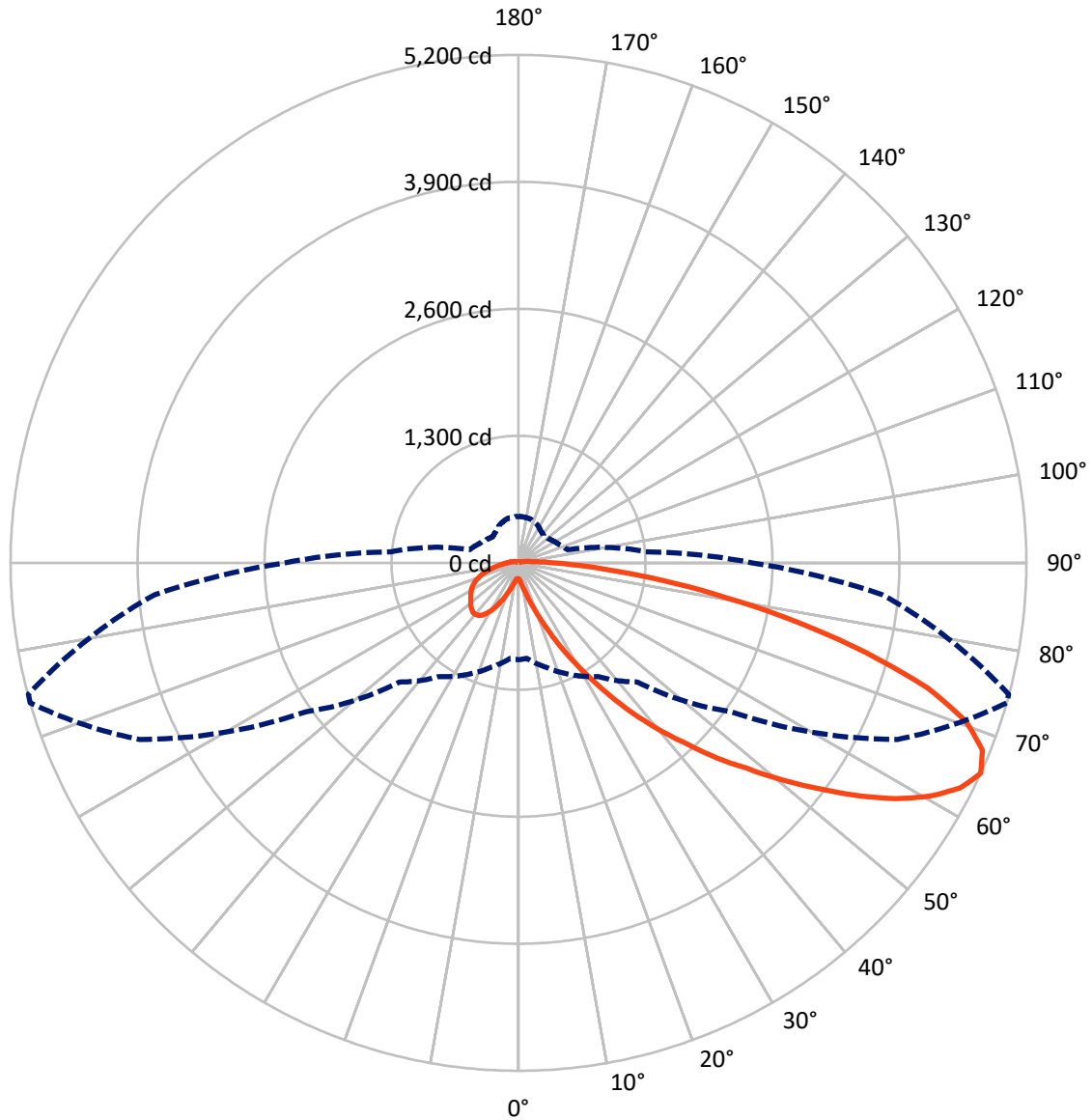
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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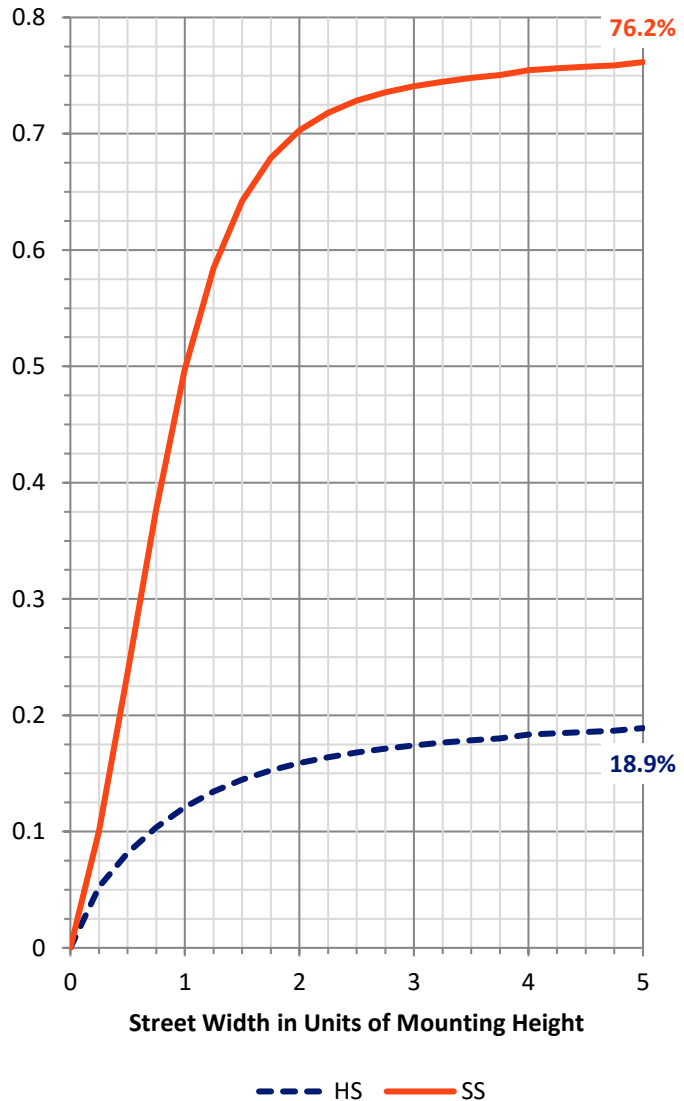
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1383.4	112.8	1496.2
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	5374.8	101.0	5475.8
	% Fixture	77.1	1.4	78.5
Total	Lumens	6758.2	213.8	6972.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	0.3
10°-20°	100.5	1.4
20°-30°	334.1	4.8
30°-40°	765.8	11.0
40°-50°	1225.7	17.6
50°-60°	1521.4	21.8
60°-70°	1476.5	21.2
70°-80°	963.1	13.8
80°-90°	352.1	5.1
90°-100°	105.1	1.5
100°-110°	48.6	0.7
110°-120°	26.9	0.4
120°-130°	16.8	0.2
130°-140°	10.6	0.2
140°-150°	5.4	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6758.2	96.9
0°-180°	6972.0	100.0

Coefficient of Utilization

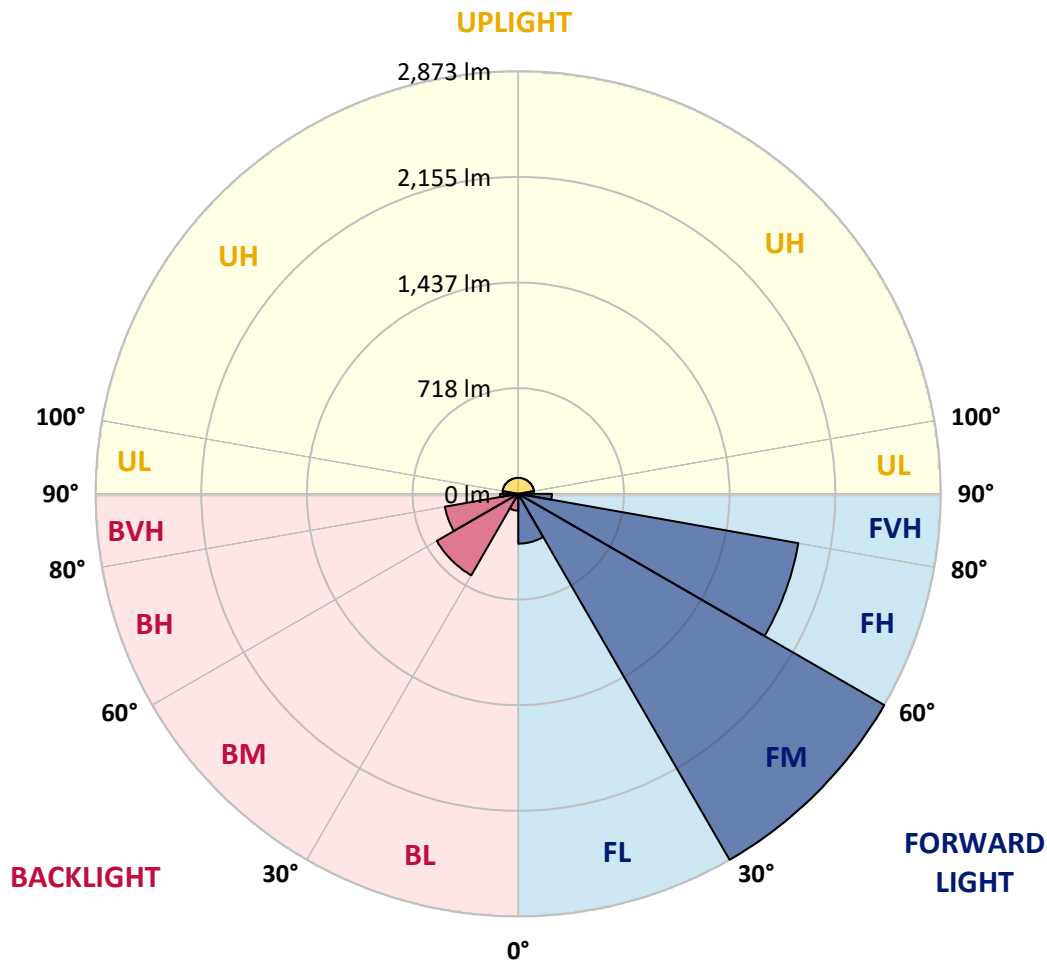


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	338.9	4.9			
FM (30°-60°)	2873.5	41.2			
FH (60°-80°)	1933.8	27.7			G2/5000
FVH (80°-90°)	228.6	3.3			G3/500
BL (0°-30°)	114.6	1.6	B1/500		
BM (30°-60°)	639.5	9.2	B1/1000		
BH (60°-80°)	505.8	7.3	B2/1000		G2/1000
BVH (80°-90°)	123.5	1.8			G2/225
UL (90°-100°)	105.1	1.5		U3/500	
UH (100°-180°)	108.7	1.6		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°	165.4	165.4	165.4	165.4	165.4	165.4	165.4	165.4	165.4	165.4	165.4
2.5°	188.7	191.3	191.3	188.7	186.1	186.1	180.9	175.8	173.2	173.2	170.6
5°	230.0	232.6	232.6	227.5	219.7	217.1	206.8	199.0	191.3	191.3	180.9
7.5°	289.5	292.1	286.9	281.7	271.4	261.1	248.1	232.6	217.1	214.5	201.6
10°	359.3	367.0	361.9	348.9	333.4	320.5	299.8	274.0	258.5	253.3	230.0
12.5°	467.8	462.7	449.7	436.8	418.7	392.9	364.4	333.4	302.4	305.0	274.0
15°	579.0	589.3	571.2	547.9	511.8	483.3	444.6	411.0	377.4	372.2	330.8
17.5°	741.8	739.2	718.5	672.0	617.7	589.3	547.9	506.6	467.8	454.9	400.6
20°	933.1	930.5	889.1	829.7	778.0	721.1	664.3	620.3	573.8	563.5	493.7
22.5°	1160.5	1150.2	1106.2	1020.9	933.1	863.3	803.8	770.2	708.2	697.9	602.2
25°	1424.2	1400.9	1351.8	1238.1	1103.7	1023.5	969.3	930.5	871.0	858.1	734.0
27.5°	1716.2	1700.7	1610.2	1460.3	1300.1	1176.0	1137.3	1111.4	1062.3	1046.8	881.4
30°	1990.2	1995.4	1897.1	1708.5	1504.3	1354.4	1325.9	1328.5	1263.9	1251.0	1054.5
32.5°	2315.9	2295.2	2168.5	1951.4	1695.5	1540.5	1514.6	1550.8	1496.5	1486.2	1243.2
35°	2574.3	2589.8	2455.4	2186.6	1889.4	1711.1	1721.4	1780.8	1749.8	1734.3	1411.2
37.5°	2822.5	2809.5	2651.9	2385.6	2057.4	1871.3	1910.1	2041.9	2010.9	1992.8	1610.2
40°	2987.9	2972.4	2835.4	2548.5	2209.9	2018.6	2093.6	2290.0	2277.1	2269.3	1780.8
42.5°	3065.4	3044.7	2933.6	2662.2	2321.0	2134.9	2282.3	2543.3	2540.7	2533.0	1977.3
45°	3047.3	3034.4	2949.1	2729.4	2393.4	2243.5	2450.3	2806.9	2853.5	2817.3	2158.2
47.5°	2967.2	2954.3	2894.8	2729.4	2432.2	2310.7	2600.2	3083.5	3143.0	3109.4	2359.8
50°	2806.9	2801.8	2786.3	2664.8	2427.0	2365.0	2744.9	3334.2	3494.5	3460.9	2589.8
52.5°	2582.1	2579.5	2605.3	2548.5	2377.9	2372.7	2858.6	3623.7	3838.2	3802.0	2814.7
55°	2318.4	2318.4	2362.4	2367.6	2282.3	2344.3	2946.5	3856.3	4207.8	4156.1	3060.2
57.5°	1982.4	1992.8	2091.0	2155.6	2124.6	2261.6	2977.5	4078.6	4556.8	4523.2	3313.5
60°	1649.0	1654.2	1767.9	1876.5	1930.7	2145.3	2949.1	4231.1	4848.8	4835.9	3517.7
62.5°	1300.1	1305.3	1424.2	1581.8	1687.8	1954.0	2843.1	4300.9	5076.3	5068.5	3667.6
65°	992.5	982.2	1108.8	1263.9	1421.6	1726.6	2659.6	4280.2	5200.4	5195.2	3740.0
67.5°	713.4	734.0	829.7	979.6	1139.8	1483.6	2406.3	4078.6	5122.8	5128.0	3662.5
70°	516.9	550.5	617.7	731.5	896.9	1220.0	2101.3	3742.6	4859.2	4890.2	3442.8
72.5°	398.0	400.6	454.9	545.4	677.2	966.7	1739.5	3285.1	4381.0	4391.4	3062.8
75°	310.2	317.9	354.1	418.7	519.5	749.6	1411.2	2719.1	3672.8	3732.3	2597.6
77.5°	253.3	255.9	284.3	323.1	398.0	566.0	1054.5	2145.3	2920.7	2925.8	2026.4
80°	199.0	209.4	232.6	258.5	310.2	423.9	775.4	1571.5	2147.9	2114.3	1434.5
82.5°	152.5	160.2	178.3	206.8	235.2	317.9	555.7	1108.8	1475.8	1450.0	982.2
85°	113.7	118.9	137.0	160.2	186.1	243.0	387.7	716.0	915.0	886.5	597.1
87.5°	80.1	82.7	98.2	118.9	142.2	183.5	268.8	439.4	550.5	540.2	369.6
90°	54.3	56.9	69.8	87.9	111.1	142.2	193.9	274.0	320.5	320.5	235.2
92.5°	38.8	41.4	51.7	67.2	87.9	113.7	142.2	178.3	196.4	193.9	160.2
95°	31.0	31.0	41.4	54.3	72.4	93.0	108.6	121.5	131.8	131.8	121.5
97.5°	25.8	25.8	36.2	46.5	62.0	77.5	87.9	90.5	95.6	95.6	90.5
100°	23.3	23.3	31.0	41.4	51.7	64.6	72.4	69.8	72.4	75.0	69.8
102.5°	20.7	20.7	28.4	36.2	46.5	56.9	59.4	56.9	56.9	56.9	54.3
105°	18.1	18.1	25.8	33.6	41.4	49.1	51.7	46.5	43.9	43.9	43.9
107.5°	15.5	15.5	23.3	28.4	36.2	43.9	43.9	41.4	36.2	36.2	33.6
110°	15.5	15.5	20.7	25.8	33.6	38.8	38.8	33.6	28.4	28.4	28.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	12.9	12.9	18.1	25.8	31.0	33.6	33.6	28.4	25.8	23.3	23.3
115°	12.9	12.9	18.1	23.3	28.4	31.0	31.0	25.8	20.7	20.7	20.7
117.5°	12.9	12.9	15.5	20.7	25.8	28.4	25.8	23.3	18.1	18.1	18.1
120°	12.9	12.9	15.5	18.1	23.3	25.8	25.8	20.7	15.5	15.5	18.1
122.5°	12.9	12.9	15.5	18.1	20.7	23.3	23.3	18.1	15.5	15.5	15.5
125°	12.9	12.9	15.5	18.1	20.7	23.3	20.7	18.1	12.9	12.9	15.5
127.5°	12.9	12.9	15.5	15.5	18.1	20.7	18.1	15.5	12.9	12.9	15.5
130°	12.9	12.9	15.5	15.5	18.1	18.1	18.1	12.9	12.9	12.9	12.9
132.5°	15.5	15.5	15.5	15.5	15.5	18.1	15.5	12.9	10.3	10.3	12.9
135°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	12.9	10.3	10.3	12.9
137.5°	12.9	15.5	12.9	12.9	12.9	15.5	12.9	10.3	10.3	10.3	10.3
140°	12.9	12.9	12.9	12.9	12.9	12.9	10.3	7.8	10.3	10.3	10.3
142.5°	12.9	12.9	12.9	10.3	10.3	10.3	10.3	7.8	7.8	7.8	10.3
145°	10.3	10.3	10.3	10.3	10.3	10.3	7.8	7.8	7.8	7.8	7.8
147.5°	10.3	10.3	10.3	7.8	7.8	7.8	5.2	5.2	5.2	5.2	7.8
150°	7.8	7.8	7.8	7.8	5.2	5.2	5.2	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°	165.4	165.4	165.4	165.4	165.4	165.4	165.4	165.4	165.4	165.4	165.4
2.5°	168.0	165.4	162.8	160.2	155.1	152.5	152.5	149.9	149.9	149.9	149.9
5°	175.8	173.2	165.4	157.7	149.9	144.7	139.6	139.6	137.0	134.4	134.4
7.5°	193.9	186.1	173.2	160.2	152.5	142.2	137.0	131.8	129.2	129.2	129.2
10°	219.7	209.4	188.7	170.6	157.7	144.7	137.0	131.8	129.2	126.6	126.6
12.5°	255.9	243.0	211.9	188.7	165.4	152.5	142.2	137.0	134.4	134.4	134.4
15°	307.6	286.9	248.1	209.4	183.5	160.2	155.1	155.1	157.7	157.7	157.7
17.5°	374.8	343.8	284.3	235.2	201.6	180.9	173.2	175.8	180.9	180.9	180.9
20°	447.1	411.0	330.8	268.8	224.9	206.8	196.4	201.6	209.4	214.5	214.5
22.5°	547.9	496.3	387.7	305.0	253.3	230.0	224.9	230.0	243.0	248.1	248.1
25°	664.3	586.7	447.1	343.8	284.3	258.5	253.3	261.1	276.6	289.5	289.5
27.5°	785.7	687.5	511.8	382.5	312.7	281.7	279.1	292.1	312.7	325.7	328.3
30°	925.3	790.9	571.2	421.3	341.2	305.0	305.0	325.7	348.9	367.0	369.6
32.5°	1062.3	899.5	622.9	454.9	367.0	325.7	328.3	354.1	385.1	400.6	405.8
35°	1201.9	992.5	669.4	483.3	385.1	343.8	348.9	382.5	413.5	431.6	431.6
37.5°	1336.3	1077.8	692.7	498.8	400.6	356.7	367.0	405.8	436.8	452.3	454.9
40°	1465.5	1142.4	708.2	509.2	411.0	369.6	379.9	421.3	454.9	470.4	470.4
42.5°	1579.2	1196.7	710.8	511.8	418.7	377.4	392.9	434.2	465.2	475.6	478.2
45°	1695.5	1243.2	697.9	506.6	423.9	385.1	398.0	442.0	470.4	478.2	480.7
47.5°	1801.5	1282.0	682.4	501.4	426.5	387.7	403.2	447.1	473.0	475.6	478.2
50°	1925.6	1313.0	659.1	493.7	429.1	390.3	405.8	447.1	473.0	473.0	473.0
52.5°	2044.5	1338.9	635.8	485.9	429.1	390.3	405.8	449.7	473.0	470.4	470.4
55°	2173.7	1362.1	612.6	480.7	426.5	390.3	405.8	449.7	470.4	467.8	470.4
57.5°	2274.5	1372.5	594.5	475.6	426.5	387.7	403.2	447.1	467.8	467.8	467.8
60°	2362.4	1369.9	571.2	470.4	423.9	385.1	403.2	444.6	467.8	467.8	467.8
62.5°	2414.1	1346.6	547.9	465.2	418.7	379.9	400.6	444.6	467.8	470.4	470.4
65°	2393.4	1305.3	516.9	452.3	408.4	374.8	398.0	439.4	465.2	473.0	475.6
67.5°	2305.5	1212.2	483.3	434.2	398.0	369.6	395.5	434.2	460.1	473.0	473.0
70°	2122.0	1095.9	439.4	408.4	379.9	361.9	387.7	426.5	449.7	465.2	465.2
72.5°	1866.1	946.0	398.0	374.8	359.3	348.9	379.9	413.5	434.2	447.1	447.1
75°	1550.8	785.7	348.9	336.0	333.4	330.8	364.4	395.5	408.4	418.7	418.7
77.5°	1212.2	633.2	297.2	297.2	297.2	307.6	343.8	364.4	374.8	385.1	385.1
80°	886.5	483.3	250.7	253.3	261.1	281.7	312.7	328.3	333.4	343.8	338.6
82.5°	604.8	351.5	209.4	209.4	224.9	248.1	279.1	286.9	289.5	297.2	289.5
85°	398.0	253.3	173.2	173.2	188.7	211.9	235.2	240.4	240.4	245.5	237.8
87.5°	258.5	186.1	142.2	142.2	152.5	175.8	193.9	193.9	193.9	199.0	191.3
90°	183.5	142.2	118.9	116.3	124.1	142.2	155.1	152.5	152.5	155.1	149.9
92.5°	134.4	116.3	100.8	98.2	103.4	116.3	124.1	121.5	124.1	121.5	118.9
95°	106.0	95.6	87.9	85.3	87.9	95.6	100.8	98.2	98.2	95.6	93.0
97.5°	85.3	80.1	77.5	75.0	75.0	77.5	82.7	80.1	82.7	77.5	75.0
100°	69.8	67.2	67.2	67.2	64.6	67.2	69.8	69.8	69.8	64.6	64.6
102.5°	54.3	56.9	59.4	59.4	56.9	59.4	59.4	59.4	59.4	54.3	54.3
105°	43.9	46.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	46.5	46.5
107.5°	36.2	38.8	43.9	46.5	43.9	43.9	46.5	46.5	43.9	41.4	41.4
110°	31.0	33.6	36.2	38.8	38.8	38.8	41.4	41.4	38.8	36.2	33.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.8	28.4	33.6	33.6	36.2	36.2	36.2	36.2	33.6	31.0	31.0
115°	23.3	25.8	28.4	31.0	31.0	31.0	33.6	31.0	28.4	28.4	28.4
117.5°	20.7	23.3	25.8	28.4	28.4	28.4	28.4	28.4	25.8	25.8	25.8
120°	18.1	20.7	23.3	25.8	25.8	25.8	25.8	25.8	23.3	23.3	23.3
122.5°	18.1	18.1	20.7	23.3	23.3	23.3	23.3	23.3	20.7	20.7	20.7
125°	15.5	18.1	20.7	20.7	20.7	20.7	20.7	20.7	18.1	18.1	20.7
127.5°	15.5	15.5	18.1	18.1	20.7	20.7	18.1	18.1	18.1	18.1	18.1
130°	15.5	15.5	15.5	18.1	18.1	18.1	18.1	15.5	15.5	15.5	15.5
132.5°	12.9	15.5	15.5	15.5	15.5	15.5	15.5	12.9	12.9	15.5	15.5
135°	12.9	12.9	12.9	15.5	15.5	12.9	12.9	12.9	12.9	12.9	12.9
137.5°	12.9	12.9	12.9	12.9	12.9	12.9	10.3	10.3	10.3	12.9	12.9
140°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
142.5°	10.3	10.3	10.3	10.3	10.3	7.8	7.8	7.8	10.3	10.3	10.3
145°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
147.5°	7.8	7.8	7.8	7.8	5.2	5.2	5.2	5.2	7.8	7.8	7.8
150°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8	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)