

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: P695979

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695979
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)
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-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7378 lumens
Efficiency: N/A
Efficacy: 102.5 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 - G2

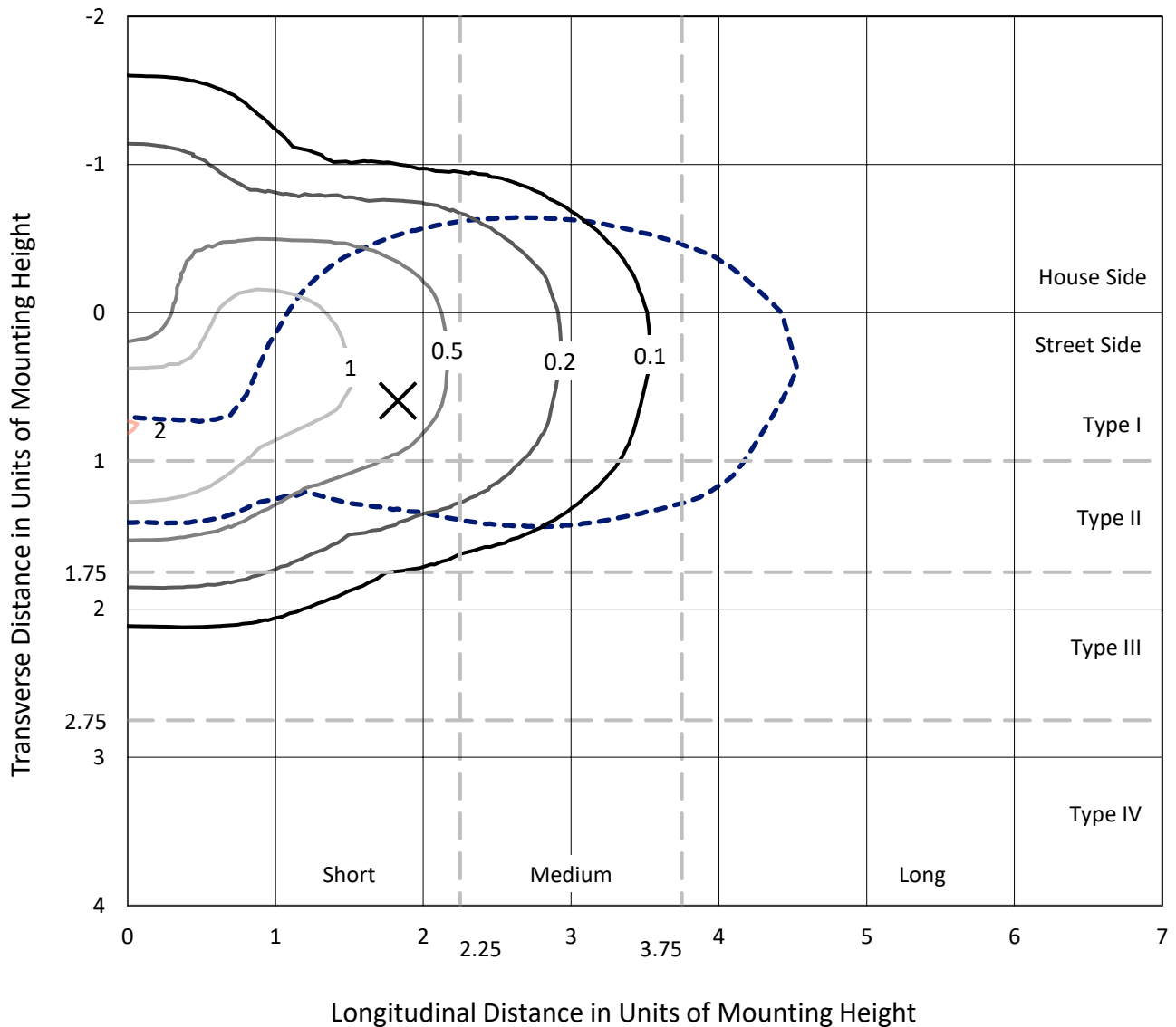
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

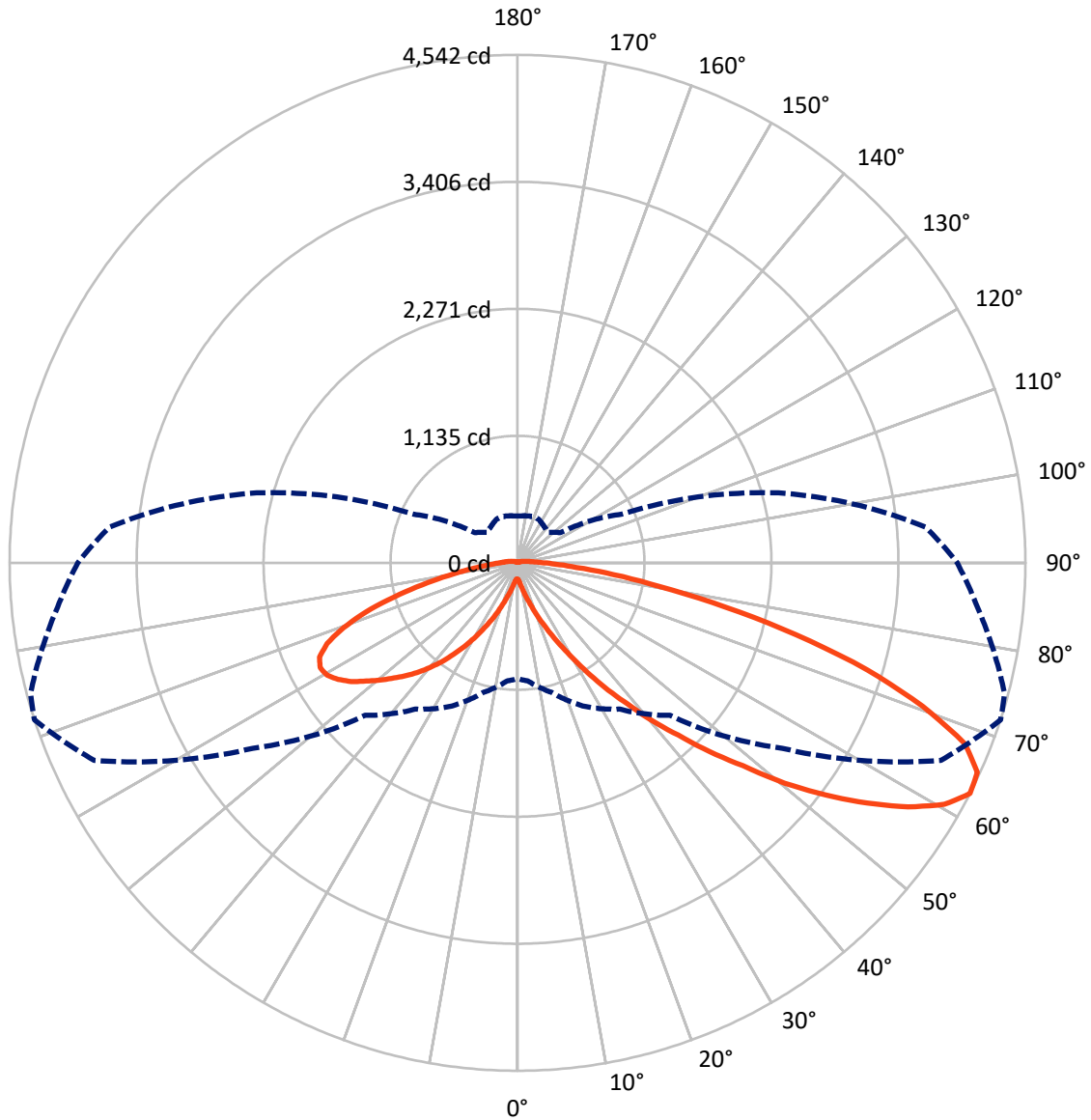
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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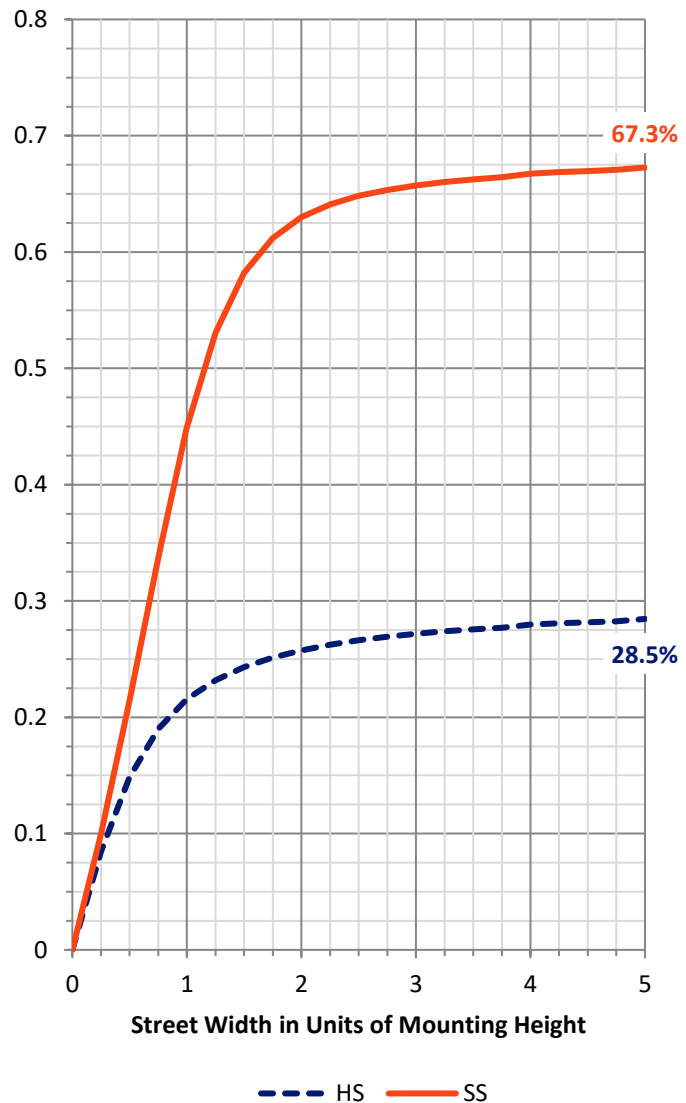
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2163.2	110.1	2273.3
	% Fixture	29.3	1.5	30.8
Street Side	Lumens	5015.5	89.2	5104.7
	% Fixture	68.0	1.2	69.2
Total	Lumens	7178.7	199.3	7378.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	0.2
10°-20°	93.2	1.3
20°-30°	307.5	4.2
30°-40°	734.6	10.0
40°-50°	1306.1	17.7
50°-60°	1727.0	23.4
60°-70°	1659.2	22.5
70°-80°	1007.2	13.7
80°-90°	326.8	4.4
90°-100°	100.4	1.4
100°-110°	46.9	0.6
110°-120°	24.3	0.3
120°-130°	14.3	0.2
130°-140°	8.6	0.1
140°-150°	4.3	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7178.7	97.3
0°-180°	7378.0	100.0

Coefficient of Utilization



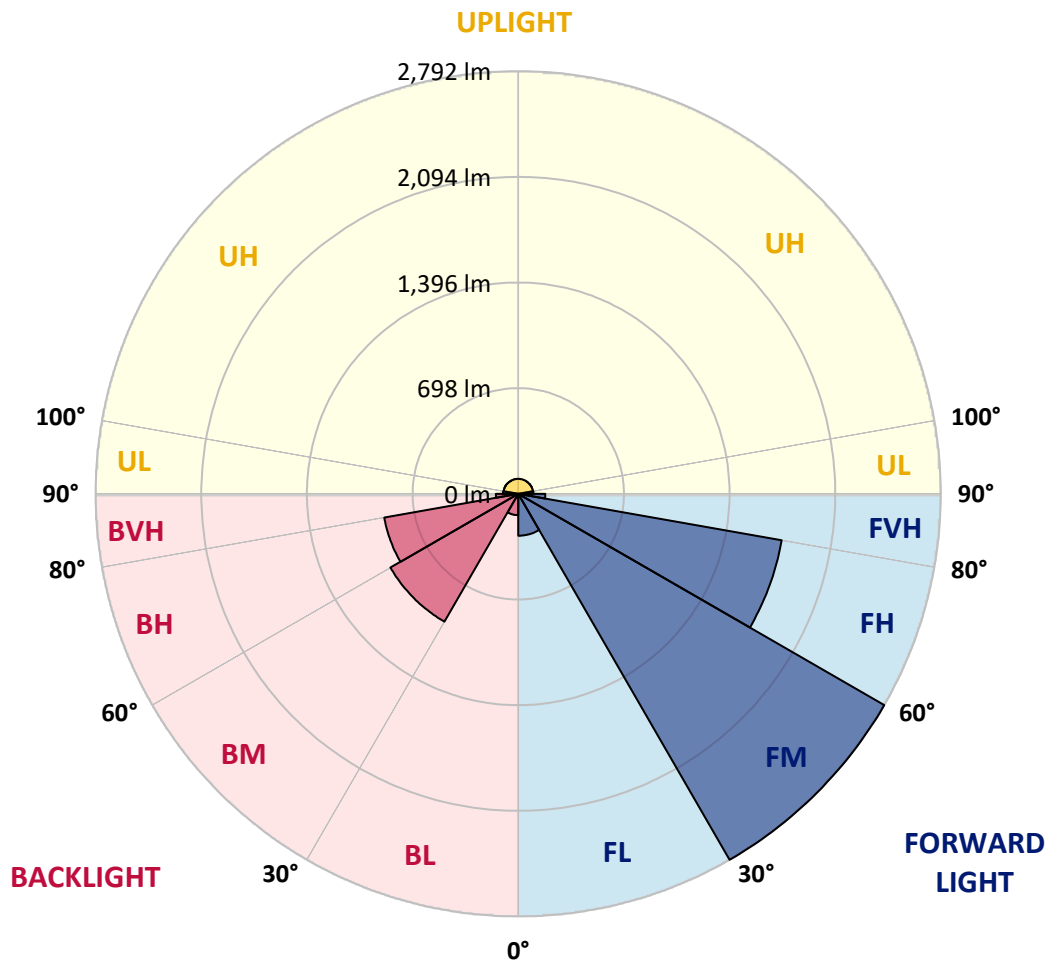
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.7	3.8			
FM (30°-60°)	2792.5	37.8			
FH (60°-80°)	1767.5	24.0			G1/1800
FVH (80°-90°)	178.8	2.4			G2/225
BL (0°-30°)	141.1	1.9	B1/500		
BM (30°-60°)	975.2	13.2	B1/1000		
BH (60°-80°)	898.9	12.2	B2/1000		G2/1000
BVH (80°-90°)	148.0	2.0			G2/225
UL (90°-100°)	100.4	1.4		U3/500	
UH (100°-180°)	98.8	1.3		U3/500	

BUG Rating: B2-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3
2.5°	162.9	165.4	162.9	165.4	162.9	160.3	160.3	155.1	155.1	152.5	149.9
5°	193.9	196.5	196.5	193.9	188.7	186.1	178.4	175.8	170.6	168.0	162.9
7.5°	237.8	235.2	237.8	230.1	227.5	222.3	212.0	204.2	196.5	193.9	186.1
10°	294.7	292.1	289.5	284.3	276.6	266.2	255.9	240.4	235.2	232.6	219.7
12.5°	361.9	367.1	359.3	351.6	338.6	325.7	307.6	289.5	281.8	279.2	258.5
15°	460.1	460.1	449.8	436.9	411.0	390.3	372.2	354.1	341.2	336.0	317.9
17.5°	584.2	576.4	563.5	532.5	509.2	475.6	454.9	426.5	413.6	411.0	387.7
20°	721.2	726.4	697.9	659.2	615.2	573.9	542.8	514.4	501.5	498.9	470.5
22.5°	902.1	902.1	863.4	811.7	739.3	682.4	646.2	617.8	599.7	589.4	571.3
25°	1111.5	1111.5	1067.6	966.8	889.2	811.7	760.0	729.0	721.2	710.9	685.0
27.5°	1362.3	1370.0	1287.3	1186.5	1044.3	951.3	889.2	871.1	855.6	860.8	809.1
30°	1651.8	1638.9	1551.0	1395.9	1233.0	1111.5	1049.5	1023.6	1013.3	1015.9	969.4
32.5°	1928.4	1907.7	1827.6	1649.2	1432.1	1295.1	1225.3	1204.6	1196.8	1186.5	1129.6
35°	2248.9	2230.8	2117.1	1899.9	1659.5	1481.2	1398.5	1398.5	1398.5	1385.5	1302.8
37.5°	2559.1	2525.5	2401.4	2163.6	1884.4	1682.8	1613.0	1623.3	1607.8	1589.7	1496.7
40°	2807.2	2784.0	2665.1	2422.1	2114.5	1902.5	1835.3	1850.8	1858.6	1832.7	1703.5
42.5°	2983.0	2972.7	2877.0	2649.6	2321.3	2119.6	2093.8	2111.9	2106.7	2078.3	1936.1
45°	3068.3	3058.0	2995.9	2809.8	2522.9	2334.2	2336.8	2416.9	2404.0	2373.0	2168.8
47.5°	3021.8	3034.7	3011.5	2895.1	2649.6	2515.1	2587.5	2729.7	2711.6	2683.2	2432.4
50°	2882.2	2877.0	2913.2	2871.9	2698.7	2636.6	2833.1	3091.6	3096.8	3021.8	2734.9
52.5°	2590.1	2603.0	2706.4	2729.7	2657.3	2683.2	3039.9	3440.6	3450.9	3360.4	3024.4
55°	2243.7	2241.1	2375.6	2494.5	2499.6	2631.5	3158.8	3740.4	3792.1	3724.9	3334.6
57.5°	1783.6	1830.1	1969.7	2158.4	2251.5	2473.8	3200.2	4009.2	4117.8	4024.7	3613.7
60°	1380.4	1416.5	1584.6	1788.8	1938.7	2233.4	3096.8	4156.6	4386.6	4322.0	3913.6
62.5°	1036.6	1059.8	1202.0	1416.5	1597.5	1928.4	2890.0	4177.3	4541.7	4508.1	4112.6
65°	762.6	775.5	912.5	1098.6	1277.0	1563.9	2517.7	4001.5	4518.5	4541.7	4249.6
67.5°	553.2	573.9	674.7	840.1	992.6	1253.7	2111.9	3624.1	4314.3	4381.5	4200.5
70°	436.9	447.2	517.0	646.2	757.4	956.4	1703.5	3104.5	3843.8	3996.3	3955.0
72.5°	351.6	356.7	411.0	509.2	581.6	726.4	1287.3	2510.0	3269.9	3445.7	3541.4
75°	289.5	294.7	338.6	405.8	462.7	542.8	943.5	1899.9	2569.4	2760.7	2967.5
77.5°	230.1	240.4	274.0	325.7	367.1	413.6	661.7	1372.6	1899.9	2049.9	2290.3
80°	183.5	188.7	219.7	261.1	292.1	325.7	486.0	909.9	1284.7	1470.8	1651.8
82.5°	139.6	144.8	168.0	201.6	227.5	250.7	346.4	599.7	863.4	956.4	1057.2
85°	100.8	100.8	124.1	152.5	175.8	199.0	253.3	390.3	527.3	581.6	651.4
87.5°	67.2	69.8	85.3	111.2	137.0	155.1	186.1	255.9	336.0	354.1	400.7
90°	46.5	49.1	59.5	80.1	103.4	121.5	139.6	175.8	212.0	230.1	263.7
92.5°	33.6	36.2	46.5	59.5	80.1	98.2	111.2	126.7	149.9	162.9	180.9
95°	25.8	28.4	36.2	49.1	64.6	80.1	90.5	98.2	113.7	121.5	134.4
97.5°	23.3	23.3	31.0	41.4	54.3	67.2	75.0	80.1	90.5	95.6	106.0
100°	20.7	20.7	25.8	36.2	46.5	56.9	62.0	64.6	72.4	75.0	82.7
102.5°	18.1	18.1	23.3	31.0	41.4	49.1	54.3	54.3	59.5	59.5	64.6
105°	15.5	15.5	20.7	28.4	36.2	43.9	46.5	46.5	46.5	49.1	49.1
107.5°	15.5	15.5	18.1	25.8	31.0	38.8	41.4	38.8	38.8	38.8	38.8
110°	12.9	12.9	18.1	23.3	28.4	33.6	33.6	33.6	31.0	31.0	31.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	12.9	12.9	15.5	20.7	25.8	28.4	31.0	28.4	25.8	25.8	25.8
115°	12.9	12.9	15.5	18.1	23.3	25.8	25.8	23.3	20.7	20.7	20.7
117.5°	10.3	12.9	12.9	18.1	20.7	23.3	23.3	20.7	18.1	18.1	18.1
120°	10.3	10.3	12.9	15.5	18.1	20.7	20.7	18.1	15.5	15.5	18.1
122.5°	10.3	10.3	12.9	15.5	18.1	18.1	18.1	15.5	15.5	15.5	15.5
125°	10.3	10.3	10.3	12.9	15.5	18.1	15.5	15.5	12.9	12.9	15.5
127.5°	10.3	10.3	10.3	12.9	15.5	15.5	15.5	12.9	12.9	12.9	12.9
130°	10.3	10.3	10.3	10.3	12.9	12.9	12.9	12.9	10.3	10.3	12.9
132.5°	10.3	10.3	10.3	10.3	12.9	12.9	12.9	10.3	10.3	10.3	10.3
135°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	7.8	10.3	10.3
137.5°	10.3	10.3	7.8	10.3	10.3	10.3	10.3	7.8	7.8	7.8	10.3
140°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
142.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	5.2	5.2	7.8	7.8
145°	7.8	7.8	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2
147.5°	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
150°	5.2	5.2	5.2	5.2	5.2	2.6	2.6	2.6	2.6	2.6	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°	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3
2.5°	149.9	147.3	144.8	142.2	142.2	139.6	139.6	137.0	137.0	137.0	137.0
5°	160.3	157.7	152.5	147.3	142.2	139.6	134.4	131.8	131.8	129.2	129.2
7.5°	183.5	175.8	168.0	160.3	152.5	144.8	139.6	134.4	131.8	131.8	131.8
10°	212.0	206.8	191.3	180.9	170.6	160.3	152.5	144.8	139.6	139.6	137.0
12.5°	255.9	248.2	227.5	214.5	196.5	180.9	170.6	160.3	155.1	152.5	152.5
15°	307.6	297.3	279.2	253.3	230.1	209.4	193.9	186.1	180.9	178.4	178.4
17.5°	377.4	361.9	333.5	302.4	271.4	243.0	227.5	214.5	206.8	209.4	209.4
20°	460.1	442.0	403.3	361.9	317.9	286.9	261.1	248.2	243.0	243.0	243.0
22.5°	550.6	529.9	488.6	431.7	374.8	330.9	297.3	281.8	281.8	281.8	281.8
25°	669.5	633.3	581.6	506.6	431.7	369.6	333.5	320.5	320.5	323.1	325.7
27.5°	783.2	760.0	682.4	586.8	491.1	411.0	364.5	351.6	359.3	364.5	367.1
30°	928.0	886.6	793.6	669.5	545.4	444.6	392.9	382.6	395.5	403.3	405.8
32.5°	1088.3	1031.4	912.5	760.0	594.5	470.5	413.6	408.4	421.3	434.3	434.3
35°	1251.1	1183.9	1034.0	847.9	633.3	486.0	426.5	426.5	442.0	454.9	454.9
37.5°	1429.5	1339.0	1165.8	922.8	664.3	493.7	434.3	436.9	454.9	462.7	465.3
40°	1618.2	1514.8	1289.9	992.6	679.8	491.1	436.9	444.6	457.5	465.3	465.3
42.5°	1814.6	1698.3	1424.3	1044.3	682.4	486.0	434.3	444.6	457.5	460.1	460.1
45°	2036.9	1899.9	1553.5	1083.1	672.1	475.6	431.7	444.6	452.4	449.8	449.8
47.5°	2282.5	2114.5	1677.6	1114.1	651.4	462.7	429.1	444.6	447.2	442.0	439.4
50°	2559.1	2352.3	1822.4	1127.0	628.1	449.8	426.5	442.0	442.0	431.7	431.7
52.5°	2846.0	2626.3	1969.7	1129.6	599.7	436.9	426.5	442.0	439.4	423.9	423.9
55°	3109.7	2895.1	2127.4	1127.0	568.7	421.3	421.3	442.0	436.9	421.3	421.3
57.5°	3448.3	3182.1	2259.2	1106.4	535.1	411.0	418.8	442.0	434.3	418.8	418.8
60°	3701.6	3445.7	2362.6	1077.9	504.1	395.5	413.6	439.4	431.7	418.8	418.8
62.5°	3931.7	3662.9	2414.3	1028.8	467.9	382.6	405.8	434.3	431.7	421.3	418.8
65°	4048.0	3755.9	2393.7	953.8	434.3	367.1	398.1	429.1	426.5	418.8	418.8
67.5°	4019.6	3719.7	2277.3	858.2	400.7	351.6	385.2	413.6	416.2	413.6	413.6
70°	3810.2	3479.3	2057.6	739.3	369.6	330.9	369.6	398.1	400.7	400.7	403.3
72.5°	3401.8	3073.5	1773.3	628.1	336.0	310.2	346.4	374.8	380.0	382.6	380.0
75°	2858.9	2525.5	1419.1	519.6	305.0	286.9	320.5	346.4	354.1	354.1	354.1
77.5°	2199.8	1930.9	1070.2	416.2	274.0	261.1	292.1	315.4	320.5	323.1	320.5
80°	1561.3	1362.3	754.8	336.0	243.0	235.2	258.5	276.6	281.8	286.9	284.3
82.5°	1018.5	909.9	529.9	266.2	209.4	204.2	224.9	237.8	243.0	243.0	240.4
85°	617.8	566.1	349.0	212.0	178.4	173.2	188.7	196.5	199.0	199.0	199.0
87.5°	385.2	349.0	245.6	170.6	149.9	147.3	155.1	157.7	165.4	162.9	160.3
90°	248.2	232.6	180.9	134.4	121.5	121.5	126.7	126.7	131.8	131.8	126.7
92.5°	178.4	170.6	139.6	111.2	100.8	103.4	106.0	103.4	106.0	106.0	106.0
95°	137.0	131.8	116.3	95.6	85.3	87.9	85.3	85.3	87.9	87.9	85.3
97.5°	108.6	108.6	95.6	80.1	75.0	72.4	75.0	72.4	75.0	72.4	69.8
100°	85.3	85.3	80.1	69.8	64.6	62.0	64.6	62.0	64.6	62.0	59.5
102.5°	67.2	69.8	67.2	59.5	56.9	54.3	54.3	54.3	54.3	51.7	51.7
105°	51.7	54.3	56.9	51.7	49.1	46.5	46.5	46.5	46.5	43.9	41.4
107.5°	41.4	43.9	46.5	43.9	43.9	41.4	41.4	41.4	38.8	36.2	36.2
110°	33.6	36.2	38.8	38.8	36.2	36.2	36.2	36.2	33.6	31.0	31.0

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CANDELA DISTRIBUTION (continued):

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