

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: P695986

Luminaire Tested: **LXF.LXT-PA16-750-U-T4W-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)
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-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7192 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B2 - U3 - G3

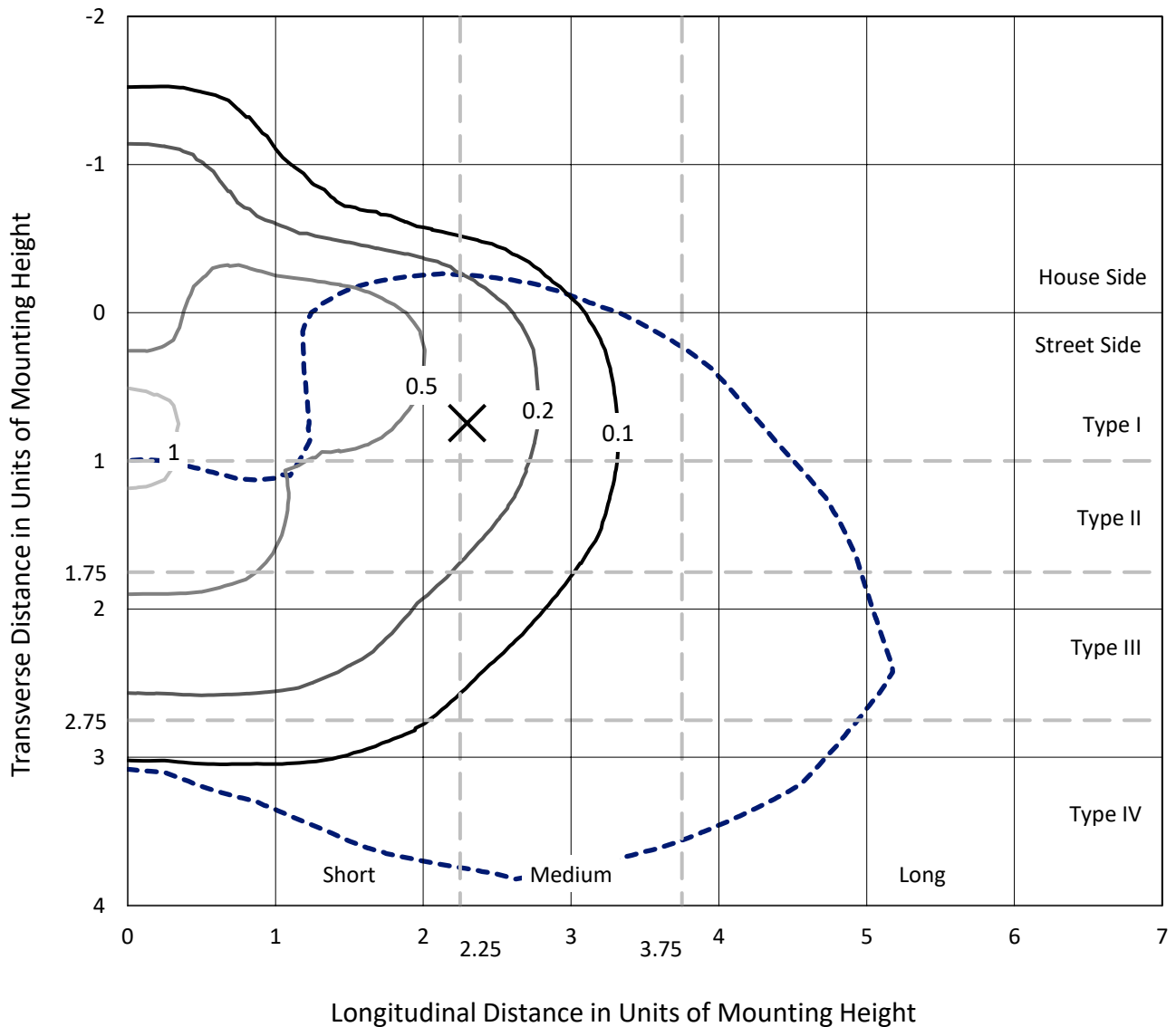
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

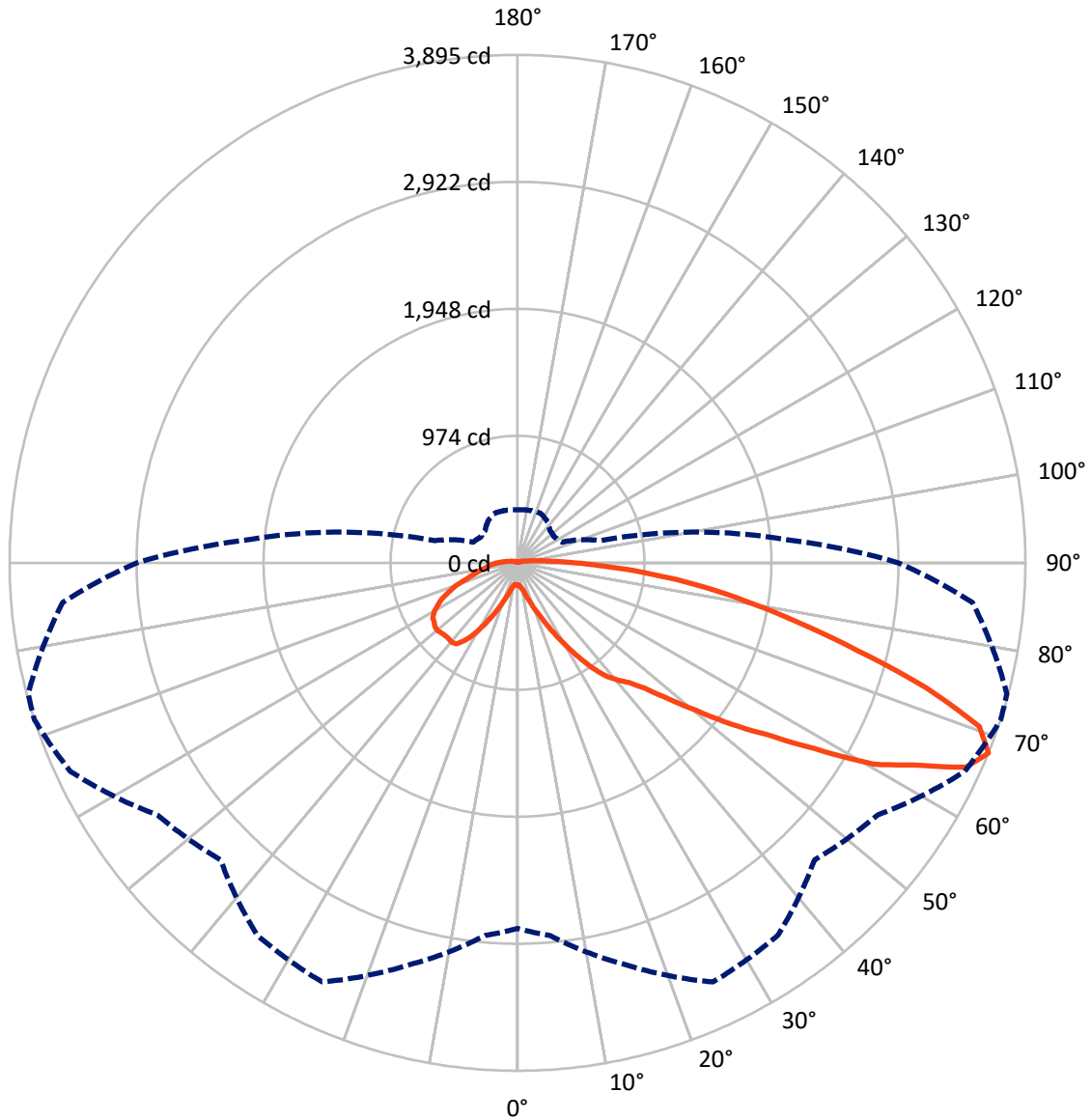
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - 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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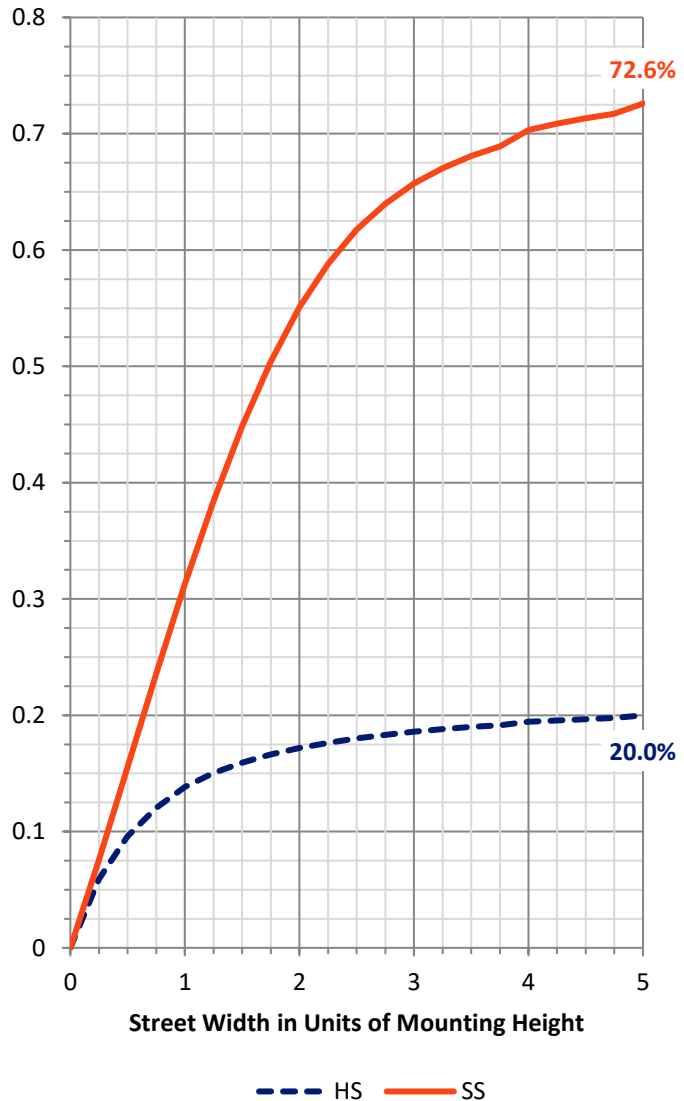
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1517.9	130.5	1648.4
	% Fixture	21.1	1.8	22.9
Street Side	Lumens	5404.7	138.9	5543.6
	% Fixture	75.1	1.9	77.1
Total	Lumens	6922.6	269.4	7192.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	0.2
10°-20°	74.5	1.0
20°-30°	225.7	3.1
30°-40°	508.1	7.1
40°-50°	815.6	11.3
50°-60°	1322.1	18.4
60°-70°	1928.3	26.8
70°-80°	1445.6	20.1
80°-90°	585.2	8.1
90°-100°	162.4	2.3
100°-110°	53.3	0.7
110°-120°	24.6	0.3
120°-130°	14.8	0.2
130°-140°	9.4	0.1
140°-150°	4.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6922.6	96.3
0°-180°	7192.0	100.0

Coefficient of Utilization

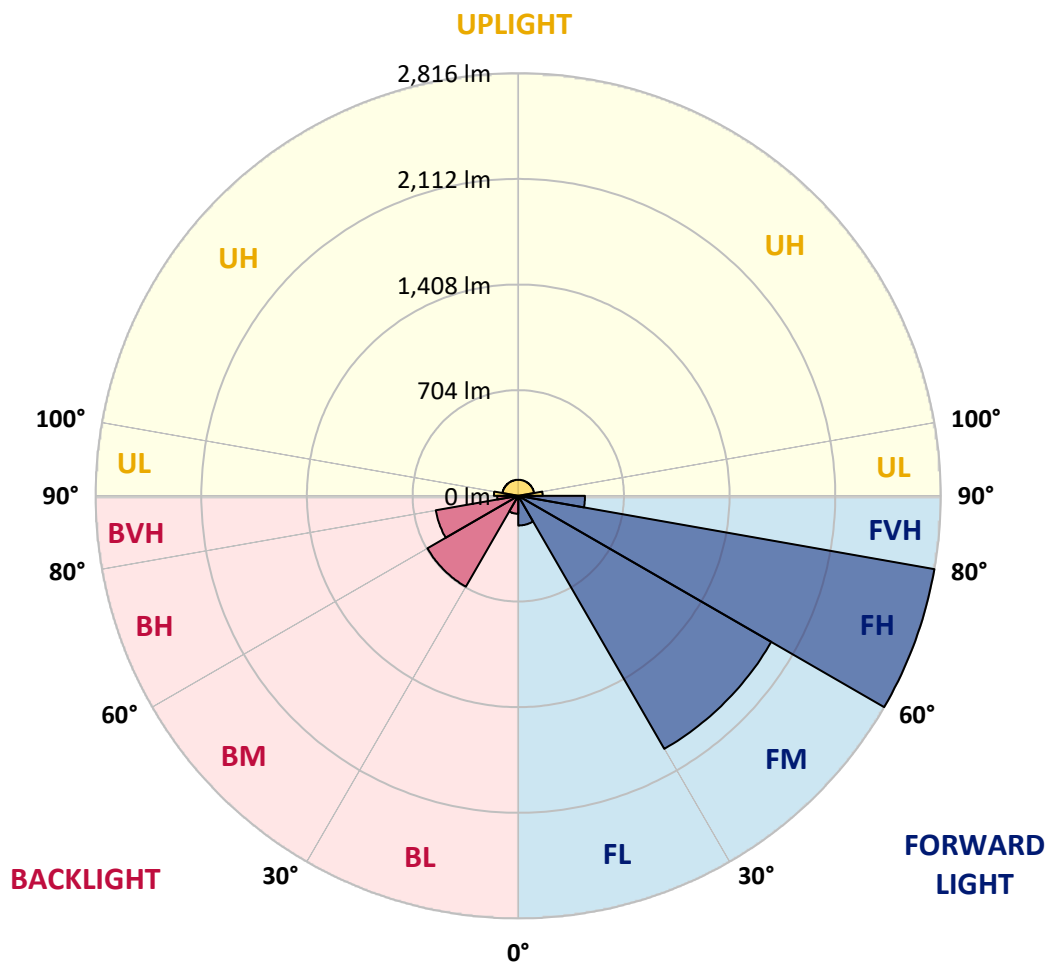


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.7	2.7			
FM (30°-60°)	1946.8	27.1			
FH (60°-80°)	2815.8	39.2			G2/5000
FVH (80°-90°)	444.3	6.2			G3/500
BL (0°-30°)	119.8	1.7	B1/500		
BM (30°-60°)	699.1	9.7	B1/1000		
BH (60°-80°)	558.2	7.8	B2/1000		G2/1000
BVH (80°-90°)	140.9	2.0			G2/225
UL (90°-100°)	162.4	2.3		U3/500	
UH (100°-180°)	107.0	1.5		U3/500	

BUG Rating: B2-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6
2.5°	178.4	178.4	178.4	178.4	178.4	178.4	178.4	175.8	173.2	173.2	170.6
5°	193.9	193.9	193.9	193.9	193.9	191.3	186.1	183.5	180.9	178.4	175.8
7.5°	217.1	214.5	214.5	212.0	209.4	206.8	201.6	196.4	191.3	188.7	183.5
10°	245.6	245.6	243.0	237.8	235.2	224.9	219.7	212.0	206.8	204.2	196.4
12.5°	297.3	292.1	289.5	281.7	268.8	255.9	245.6	237.8	232.6	232.6	222.3
15°	356.7	354.1	349.0	328.3	312.8	294.7	281.7	276.6	274.0	268.8	261.1
17.5°	429.1	429.1	418.7	390.3	364.5	346.4	330.9	323.1	320.5	320.5	312.8
20°	522.1	522.1	501.5	460.1	429.1	405.8	387.7	377.4	377.4	374.8	369.6
22.5°	630.7	635.9	604.9	550.6	498.9	465.3	444.6	442.0	442.0	452.3	447.2
25°	757.4	757.4	718.6	648.8	589.3	529.9	514.4	524.7	532.5	542.8	545.4
27.5°	920.2	915.0	850.4	762.5	669.5	604.9	586.8	607.4	630.7	638.5	654.0
30°	1106.3	1098.6	1018.4	894.4	767.7	672.1	664.3	703.1	744.4	752.2	772.9
32.5°	1264.0	1269.2	1178.7	1041.7	868.5	754.8	747.0	809.1	860.8	878.8	917.6
35°	1455.3	1457.9	1349.3	1176.1	966.7	832.3	829.7	915.0	990.0	1013.3	1054.6
37.5°	1535.4	1550.9	1468.2	1292.4	1065.0	915.0	909.9	1015.8	1101.1	1127.0	1173.5
40°	1618.1	1628.5	1543.2	1377.7	1145.1	987.4	990.0	1103.7	1181.3	1212.3	1238.1
42.5°	1788.7	1793.9	1677.6	1468.2	1212.3	1062.4	1065.0	1168.4	1256.2	1295.0	1341.5
45°	1941.2	1964.5	1850.8	1610.4	1302.8	1127.0	1132.2	1274.3	1372.6	1426.8	1483.7
47.5°	2158.3	2158.3	2065.3	1799.1	1437.2	1214.9	1243.3	1424.3	1558.7	1605.2	1687.9
50°	2352.2	2354.8	2285.0	2003.3	1587.1	1336.4	1388.1	1612.9	1783.5	1837.8	1949.0
52.5°	2512.5	2515.1	2465.9	2238.5	1791.3	1496.6	1556.1	1863.7	2055.0	2122.2	2220.4
55°	2711.5	2698.6	2667.6	2473.7	2023.9	1703.4	1791.3	2129.9	2328.9	2419.4	2538.3
57.5°	2923.5	2908.0	2920.9	2729.6	2290.2	1959.3	2049.8	2414.2	2690.8	2807.1	2944.1
60°	3039.8	3045.0	3143.2	3065.6	2613.3	2277.3	2378.1	2848.5	3135.4	3225.9	3256.9
62.5°	3096.6	3101.8	3269.8	3321.5	2995.8	2610.7	2752.9	3207.8	3414.6	3528.3	3505.1
65°	3081.1	3101.8	3370.6	3512.8	3316.4	2970.0	3122.5	3546.4	3779.0	3838.5	3657.6
67.5°	2804.6	2869.2	3189.7	3546.4	3484.4	3220.7	3370.6	3784.2	3895.4	3885.0	3502.5
70°	2375.5	2393.6	2778.7	3295.7	3435.3	3210.4	3393.9	3735.1	3755.8	3701.5	3158.7
72.5°	1827.5	1871.4	2220.4	2781.3	3094.1	2980.3	3135.4	3404.2	3277.6	3140.6	2548.7
75°	1341.5	1323.4	1615.5	2160.9	2561.6	2577.1	2729.6	2887.3	2698.6	2587.4	2080.8
77.5°	909.9	953.8	1163.2	1600.0	2013.6	2153.2	2305.7	2326.4	2202.3	2111.8	1592.3
80°	622.9	630.7	788.4	1168.4	1571.6	1768.0	1902.4	1949.0	1770.6	1667.2	1202.0
82.5°	356.7	364.5	498.9	840.1	1233.0	1460.4	1597.4	1584.5	1380.3	1276.9	834.9
85°	199.0	201.6	289.5	519.6	928.0	1168.4	1287.3	1183.9	979.7	884.0	548.0
87.5°	118.9	124.1	173.2	333.4	630.7	904.7	964.1	824.6	633.3	563.5	361.9
90°	75.0	80.1	106.0	196.4	405.8	635.9	654.0	519.6	392.9	354.1	245.6
92.5°	49.1	51.7	69.8	121.5	250.7	400.7	418.7	312.8	243.0	217.1	168.0
95°	38.8	38.8	49.1	82.7	155.1	235.2	253.3	188.7	157.7	142.2	116.3
97.5°	31.0	31.0	38.8	59.5	106.0	147.3	152.5	124.1	106.0	103.4	87.9
100°	25.8	28.4	33.6	46.5	75.0	98.2	98.2	85.3	77.5	77.5	69.8
102.5°	23.3	23.3	28.4	38.8	59.5	75.0	72.4	64.6	59.5	59.5	56.9
105°	23.3	20.7	25.8	31.0	46.5	56.9	54.3	49.1	46.5	43.9	43.9
107.5°	20.7	18.1	20.7	25.8	38.8	46.5	43.9	38.8	36.2	33.6	36.2
110°	18.1	18.1	18.1	23.3	31.0	38.8	36.2	31.0	28.4	28.4	28.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	15.5	15.5	15.5	20.7	25.8	31.0	31.0	25.8	23.3	20.7	23.3
115°	15.5	15.5	15.5	18.1	23.3	28.4	25.8	20.7	18.1	18.1	20.7
117.5°	12.9	12.9	12.9	18.1	20.7	23.3	23.3	18.1	15.5	15.5	18.1
120°	12.9	12.9	12.9	15.5	20.7	20.7	20.7	15.5	15.5	15.5	18.1
122.5°	12.9	12.9	12.9	15.5	18.1	20.7	18.1	15.5	12.9	12.9	15.5
125°	12.9	12.9	12.9	15.5	18.1	18.1	15.5	12.9	12.9	12.9	15.5
127.5°	12.9	12.9	12.9	15.5	15.5	15.5	15.5	12.9	12.9	12.9	15.5
130°	12.9	12.9	12.9	12.9	15.5	15.5	12.9	12.9	12.9	12.9	12.9
132.5°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	10.3	12.9	12.9	12.9
135°	12.9	12.9	12.9	12.9	12.9	12.9	10.3	10.3	10.3	10.3	12.9
137.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	12.9
140°	10.3	10.3	10.3	10.3	10.3	10.3	7.8	7.8	7.8	7.8	10.3
142.5°	10.3	10.3	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
145°	7.8	7.8	7.8	7.8	7.8	7.8	5.2	5.2	5.2	7.8	7.8
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	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°	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6
2.5°	170.6	170.6	168.0	165.4	165.4	165.4	165.4	165.4	162.8	162.8	162.8
5°	173.2	170.6	168.0	165.4	162.8	160.3	157.7	157.7	155.1	155.1	155.1
7.5°	180.9	178.4	170.6	165.4	160.3	157.7	155.1	152.5	149.9	147.3	147.3
10°	193.9	188.7	178.4	170.6	162.8	157.7	152.5	149.9	147.3	147.3	144.8
12.5°	217.1	212.0	196.4	183.5	170.6	162.8	155.1	152.5	152.5	152.5	155.1
15°	255.9	248.1	227.5	209.4	188.7	173.2	168.0	170.6	173.2	175.8	175.8
17.5°	305.0	294.7	271.4	240.4	212.0	193.9	191.3	193.9	199.0	204.2	204.2
20°	361.9	349.0	312.8	276.6	240.4	224.9	217.1	222.3	230.1	240.4	237.8
22.5°	442.0	421.3	377.4	317.9	276.6	255.9	245.6	253.3	268.8	279.2	279.2
25°	532.5	506.6	449.8	369.6	312.8	281.7	276.6	289.5	317.9	333.4	333.4
27.5°	635.9	604.9	527.3	423.9	351.5	310.2	305.0	333.4	369.6	398.1	395.5
30°	757.4	721.2	620.4	480.8	387.7	333.4	338.6	377.4	426.5	460.1	460.1
32.5°	896.9	840.1	710.8	542.8	416.2	354.1	364.5	416.2	475.6	509.2	514.4
35°	1028.8	961.6	785.8	589.3	439.4	372.2	385.1	452.3	522.1	563.5	563.5
37.5°	1142.5	1070.1	845.2	620.4	449.8	382.6	403.2	480.8	548.0	589.3	589.3
40°	1196.8	1111.5	863.3	625.5	452.3	387.7	413.6	493.7	558.3	591.9	589.3
42.5°	1295.0	1181.3	865.9	597.1	444.6	390.3	418.7	488.5	537.6	553.2	550.6
45°	1426.8	1279.5	878.8	571.3	426.5	385.1	413.6	470.4	498.9	501.5	496.3
47.5°	1597.4	1421.7	896.9	548.0	411.0	377.4	400.7	444.6	460.1	452.3	449.8
50°	1832.7	1584.5	922.8	522.1	400.7	364.5	387.7	426.5	436.8	421.3	418.7
52.5°	2062.7	1747.4	933.1	496.3	390.3	356.7	380.0	418.7	421.3	395.5	392.9
55°	2341.9	1923.1	920.2	467.9	385.1	354.1	380.0	413.6	403.2	377.4	372.2
57.5°	2690.8	2148.0	917.6	442.0	374.8	354.1	382.6	408.4	400.7	382.6	380.0
60°	2908.0	2243.6	876.3	426.5	367.0	359.3	387.7	416.2	405.8	385.1	382.6
62.5°	3063.0	2285.0	814.2	408.4	361.9	359.3	395.5	418.7	403.2	387.7	385.1
65°	3107.0	2243.6	749.6	390.3	354.1	359.3	398.1	416.2	408.4	398.1	398.1
67.5°	2920.9	2057.5	656.6	374.8	343.8	351.5	392.9	418.7	413.6	408.4	405.8
70°	2582.3	1793.9	571.3	354.1	325.7	338.6	385.1	418.7	418.7	416.2	416.2
72.5°	2060.1	1385.5	460.1	330.9	305.0	323.1	374.8	411.0	408.4	405.8	403.2
75°	1651.7	1093.4	390.3	299.8	284.3	302.4	359.3	395.5	390.3	390.3	387.7
77.5°	1243.3	827.2	330.9	271.4	258.5	284.3	336.0	369.6	367.0	364.5	359.3
80°	899.5	612.6	281.7	245.6	237.8	261.1	307.6	336.0	336.0	336.0	333.4
82.5°	651.4	452.3	245.6	222.3	217.1	237.8	276.6	299.8	310.2	317.9	312.8
85°	429.1	317.9	217.1	201.6	201.6	219.7	250.7	271.4	286.9	294.7	292.1
87.5°	292.1	243.0	191.3	178.4	183.5	201.6	230.1	245.6	258.5	266.2	263.7
90°	206.8	188.7	162.8	152.5	157.7	180.9	206.8	219.7	224.9	227.5	224.9
92.5°	147.3	139.6	129.2	124.1	131.8	157.7	180.9	186.1	186.1	183.5	178.4
95°	111.1	106.0	103.4	98.2	108.6	131.8	149.9	149.9	149.9	142.2	142.2
97.5°	85.3	85.3	85.3	80.1	87.9	106.0	118.9	116.3	116.3	111.1	111.1
100°	69.8	69.8	69.8	67.2	72.4	85.3	90.5	90.5	93.1	90.5	90.5
102.5°	56.9	56.9	56.9	56.9	59.5	69.8	75.0	72.4	75.0	75.0	75.0
105°	46.5	46.5	49.1	46.5	51.7	59.5	59.5	59.5	62.0	56.9	59.5
107.5°	36.2	38.8	38.8	38.8	43.9	49.1	51.7	49.1	49.1	46.5	46.5
110°	31.0	33.6	33.6	33.6	36.2	41.4	43.9	41.4	38.8	38.8	38.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.8	28.4	28.4	28.4	31.0	36.2	36.2	33.6	31.0	31.0	31.0
115°	23.3	23.3	25.8	25.8	28.4	31.0	31.0	28.4	25.8	28.4	28.4
117.5°	20.7	20.7	23.3	23.3	23.3	25.8	25.8	23.3	23.3	25.8	25.8
120°	18.1	20.7	20.7	20.7	20.7	23.3	23.3	20.7	20.7	23.3	23.3
122.5°	18.1	18.1	18.1	18.1	20.7	20.7	20.7	18.1	18.1	20.7	20.7
125°	15.5	18.1	18.1	18.1	18.1	18.1	18.1	15.5	18.1	18.1	20.7
127.5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	18.1	18.1
130°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	12.9	15.5	15.5	15.5
132.5°	15.5	15.5	12.9	12.9	12.9	12.9	12.9	12.9	12.9	15.5	15.5
135°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	15.5	15.5
137.5°	12.9	12.9	10.3	10.3	10.3	10.3	10.3	10.3	12.9	12.9	12.9
140°	10.3	10.3	10.3	7.8	7.8	7.8	10.3	10.3	10.3	10.3	10.3
142.5°	10.3	10.3	7.8	7.8	7.8	7.8	7.8	7.8	10.3	10.3	10.3
145°	7.8	7.8	7.8	5.2	5.2	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	7.8	7.8	7.8	7.8
150°	5.2	5.2	5.2	5.2	2.6	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

(END OF REPORT)