

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: P695976

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7352 lumens
Efficiency: N/A
Efficacy: 102.1 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 - G2

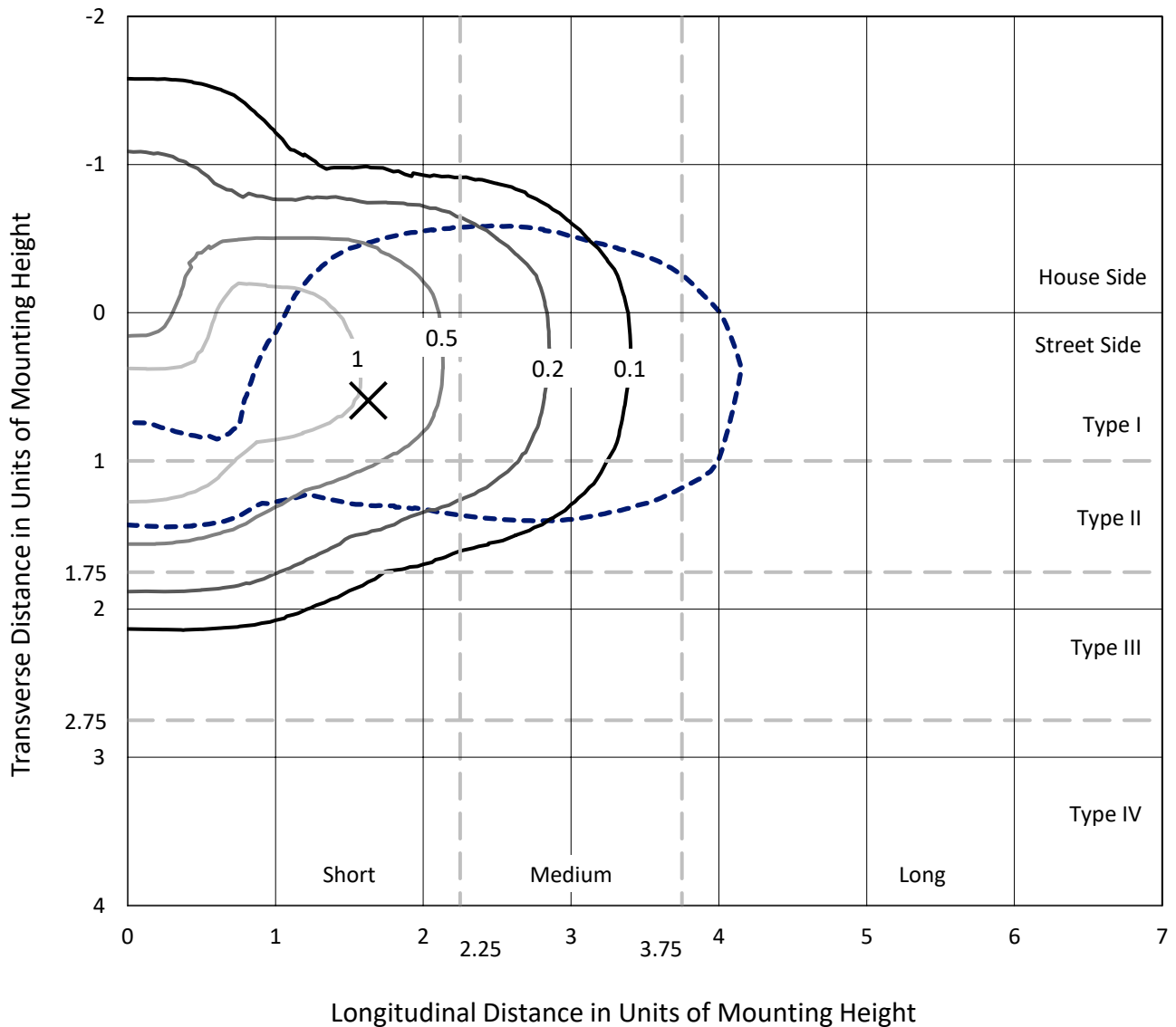
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

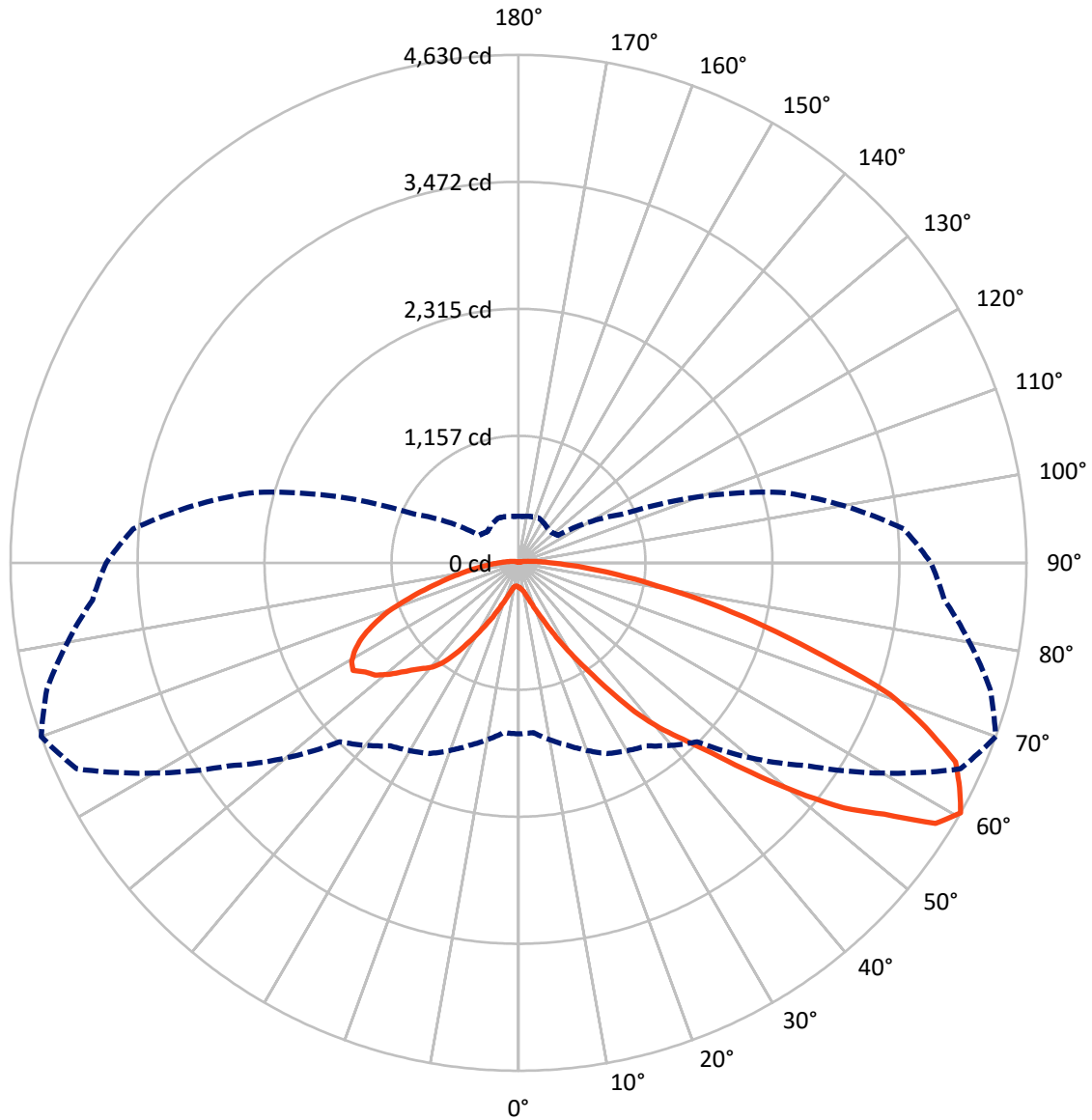
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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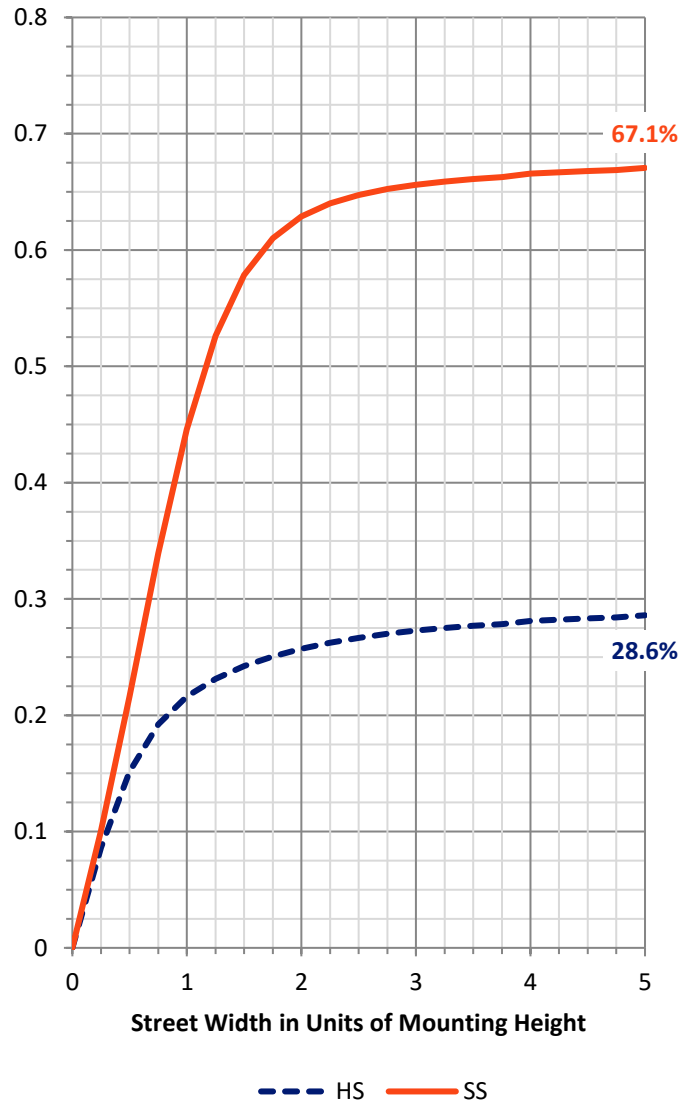
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2164.5	109.2	2273.7
	% Fixture	29.4	1.5	30.9
Street Side	Lumens	4985.1	93.1	5078.2
	% Fixture	67.8	1.3	69.1
Total	Lumens	7149.6	202.3	7352.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.2	0.3
10°-20°	93.7	1.3
20°-30°	297.1	4.0
30°-40°	731.1	9.9
40°-50°	1265.3	17.2
50°-60°	1780.8	24.2
60°-70°	1655.8	22.5
70°-80°	944.3	12.8
80°-90°	359.2	4.9
90°-100°	107.1	1.5
100°-110°	43.6	0.6
110°-120°	23.3	0.3
120°-130°	14.6	0.2
130°-140°	9.4	0.1
140°-150°	4.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7149.6	97.2
0°-180°	7352.0	100.0

Coefficient of Utilization



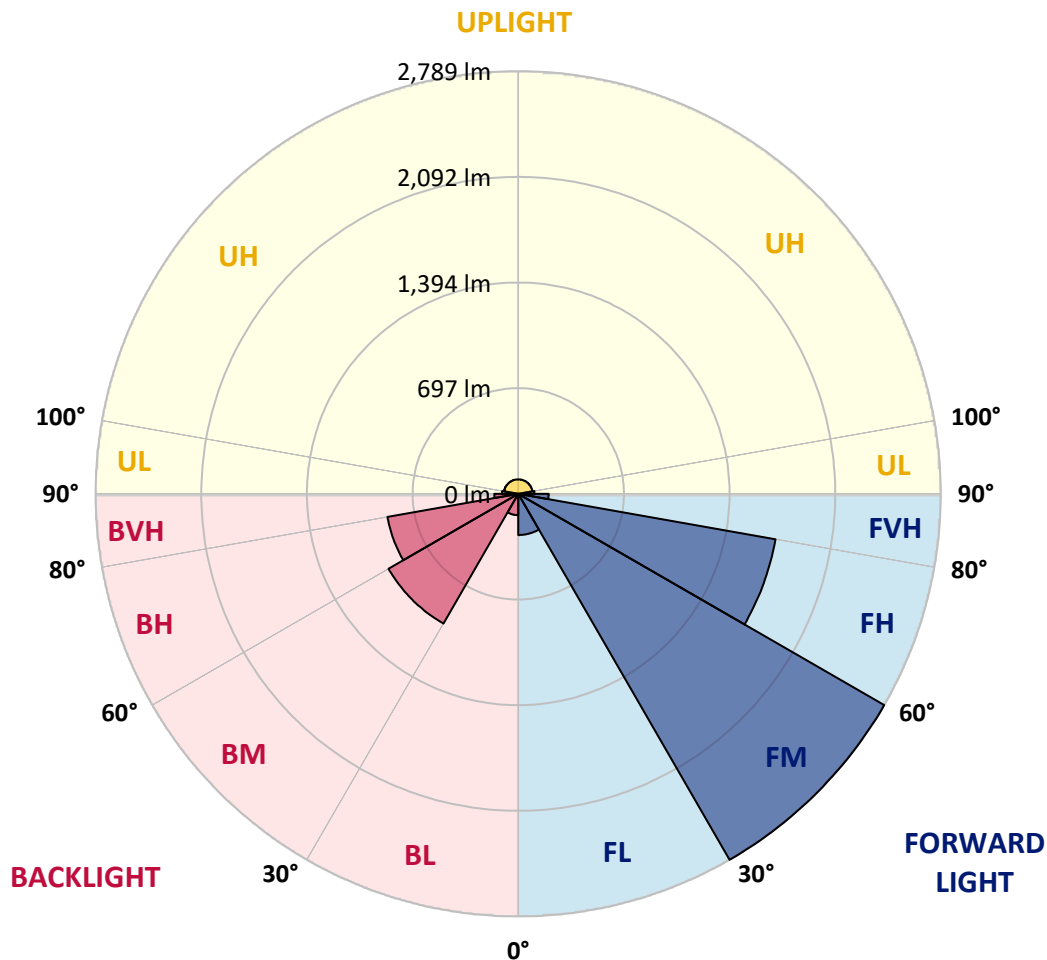
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.0	3.7			
FM (30°-60°)	2788.7	37.9			
FH (60°-80°)	1723.8	23.4			G1/1800
FVH (80°-90°)	200.7	2.7			G2/225
BL (0°-30°)	141.0	1.9	B1/500		
BM (30°-60°)	988.6	13.4	B1/1000		
BH (60°-80°)	876.4	11.9	B2/1000		G2/1000
BVH (80°-90°)	158.6	2.2			G2/225
UL (90°-100°)	107.1	1.5		U3/500	
UH (100°-180°)	95.2	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°	70°	75°	85°
0°	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3
2.5°	237.8	235.2	235.2	235.2	235.2	232.6	230.1	227.5	227.5	224.9	222.3
5°	258.5	258.5	258.5	255.9	253.3	250.7	245.6	240.4	237.8	232.6	227.5
7.5°	292.1	286.9	286.9	284.3	276.6	271.4	263.7	253.3	250.7	245.6	237.8
10°	333.5	330.9	328.3	320.5	307.6	297.3	289.5	276.6	268.8	263.7	253.3
12.5°	398.1	398.1	390.3	374.8	356.7	338.6	323.1	307.6	299.9	292.1	281.8
15°	478.2	475.6	473.0	447.2	418.8	392.9	367.1	349.0	341.2	336.0	317.9
17.5°	584.2	586.8	571.3	529.9	488.6	460.1	429.1	405.8	395.5	387.7	372.2
20°	721.2	718.6	695.4	635.9	589.4	542.8	509.2	473.0	465.3	457.5	439.4
22.5°	899.6	894.4	847.9	775.5	705.7	641.1	597.1	571.3	555.8	545.4	529.9
25°	1083.1	1103.8	1039.1	951.3	850.4	752.2	705.7	690.2	674.7	666.9	646.2
27.5°	1372.6	1375.2	1282.1	1140.0	1005.5	904.7	845.3	819.4	819.4	809.1	783.2
30°	1680.2	1677.6	1563.9	1382.9	1199.4	1059.8	997.8	982.3	987.5	974.5	938.3
32.5°	1951.6	1946.5	1819.8	1641.4	1398.5	1227.9	1168.4	1173.6	1178.7	1189.1	1160.6
35°	2246.3	2243.7	2093.8	1874.1	1610.4	1419.1	1377.8	1426.9	1429.5	1445.0	1380.4
37.5°	2352.3	2367.8	2274.8	2078.3	1799.1	1615.6	1618.2	1672.5	1719.0	1724.2	1633.7
40°	2432.4	2440.2	2354.9	2197.2	1969.7	1819.8	1884.4	1972.3	1974.9	1931.0	1783.6
42.5°	2616.0	2623.7	2504.8	2305.8	2093.8	2026.6	2119.7	2212.7	2194.6	2155.8	1972.3
45°	2734.9	2745.2	2667.7	2476.4	2217.9	2179.1	2349.7	2473.8	2471.2	2445.4	2192.0
47.5°	2856.4	2871.9	2791.7	2610.8	2360.1	2321.3	2603.0	2859.0	2856.4	2784.0	2484.1
50°	2820.2	2833.1	2838.3	2719.4	2460.9	2468.6	2869.3	3262.2	3282.9	3189.8	2840.9
52.5°	2600.5	2621.1	2696.1	2711.6	2533.3	2569.4	3127.8	3688.7	3714.6	3559.5	3117.4
55°	2316.1	2342.0	2440.2	2548.8	2489.3	2595.3	3342.3	4027.4	4042.9	3916.2	3471.6
57.5°	1936.1	1990.4	2117.1	2272.2	2308.4	2533.3	3344.9	4306.5	4482.3	4384.1	3856.7
60°	1558.7	1553.6	1721.6	1918.0	2036.9	2305.8	3226.0	4443.5	4629.6	4451.3	3898.1
62.5°	1119.3	1137.4	1318.3	1545.8	1693.1	1951.6	2949.4	4174.7	4513.3	4508.2	4115.2
65°	798.7	816.8	948.7	1165.8	1336.4	1618.2	2502.2	3911.0	4376.3	4417.7	4094.6
67.5°	568.7	576.4	677.3	847.9	997.8	1235.6	2049.9	3536.2	4001.5	4125.6	3975.7
70°	426.5	434.3	496.3	623.0	729.0	902.1	1636.3	2998.5	3593.1	3774.0	3670.6
72.5°	328.3	338.6	380.0	475.6	537.7	643.7	1222.7	2445.4	2905.5	3083.8	3039.9
75°	258.5	263.7	294.7	359.3	398.1	452.4	866.0	1881.8	2313.5	2569.4	2569.4
77.5°	206.8	214.6	235.2	281.8	315.4	336.0	594.5	1351.9	1794.0	2052.4	2111.9
80°	165.4	170.6	188.7	222.3	245.6	258.5	400.7	938.3	1287.3	1594.9	1768.1
82.5°	131.8	131.8	149.9	175.8	199.0	214.6	294.7	664.3	920.2	1152.9	1344.2
85°	106.0	108.6	118.9	137.0	160.3	180.9	227.5	455.0	628.1	772.9	930.6
87.5°	82.7	82.7	93.1	106.0	129.2	152.5	186.1	307.6	413.6	532.5	625.6
90°	59.5	62.0	67.2	77.5	100.8	124.1	147.3	214.6	274.0	333.5	395.5
92.5°	43.9	43.9	46.5	54.3	72.4	98.2	118.9	155.1	188.7	217.1	245.6
95°	33.6	33.6	36.2	38.8	51.7	75.0	90.5	113.7	131.8	152.5	165.4
97.5°	28.4	28.4	28.4	31.0	41.4	56.9	69.8	85.3	98.2	111.2	124.1
100°	25.8	25.8	25.8	25.8	33.6	49.1	54.3	67.2	75.0	85.3	93.1
102.5°	23.3	23.3	23.3	23.3	31.0	41.4	46.5	51.7	59.5	64.6	72.4
105°	20.7	20.7	20.7	20.7	25.8	33.6	38.8	43.9	46.5	49.1	54.3
107.5°	18.1	18.1	18.1	18.1	23.3	31.0	33.6	33.6	36.2	38.8	43.9
110°	15.5	15.5	15.5	18.1	20.7	25.8	28.4	28.4	28.4	31.0	36.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	15.5	15.5	15.5	15.5	18.1	23.3	23.3	23.3	25.8	25.8	31.0
115°	12.9	12.9	12.9	15.5	18.1	20.7	20.7	20.7	20.7	23.3	25.8
117.5°	12.9	12.9	12.9	12.9	18.1	20.7	20.7	18.1	18.1	20.7	23.3
120°	12.9	12.9	12.9	12.9	15.5	18.1	18.1	18.1	18.1	18.1	20.7
122.5°	12.9	12.9	12.9	12.9	15.5	15.5	15.5	15.5	15.5	15.5	18.1
125°	12.9	12.9	12.9	12.9	15.5	15.5	15.5	12.9	12.9	15.5	18.1
127.5°	15.5	15.5	12.9	12.9	12.9	15.5	12.9	12.9	12.9	12.9	15.5
130°	15.5	15.5	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	15.5
132.5°	15.5	15.5	12.9	12.9	12.9	12.9	12.9	10.3	10.3	12.9	15.5
135°	12.9	15.5	12.9	12.9	12.9	10.3	10.3	10.3	10.3	10.3	12.9
137.5°	12.9	12.9	12.9	10.3	10.3	10.3	7.8	7.8	7.8	10.3	10.3
140°	12.9	12.9	10.3	10.3	10.3	7.8	7.8	7.8	7.8	7.8	10.3
142.5°	10.3	10.3	10.3	7.8	7.8	7.8	5.2	5.2	5.2	5.2	7.8
145°	10.3	10.3	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2
147.5°	7.8	7.8	7.8	5.2	5.2	5.2	2.6	2.6	2.6	2.6	2.6
150°	7.8	5.2	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6
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°	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3
2.5°	222.3	219.7	217.1	217.1	214.6	212.0	209.4	209.4	209.4	209.4	209.4
5°	224.9	222.3	217.1	212.0	206.8	201.6	199.0	193.9	193.9	193.9	191.3
7.5°	232.6	227.5	219.7	209.4	201.6	193.9	186.1	183.5	180.9	178.4	178.4
10°	245.6	240.4	227.5	214.6	201.6	191.3	180.9	173.2	168.0	168.0	168.0
12.5°	271.4	263.7	245.6	224.9	206.8	191.3	178.4	170.6	168.0	168.0	170.6
15°	312.8	302.4	276.6	250.7	222.3	199.0	188.7	188.7	191.3	193.9	193.9
17.5°	361.9	349.0	320.5	284.3	250.7	227.5	217.1	219.7	224.9	227.5	227.5
20°	431.7	408.4	380.0	330.9	286.9	266.2	253.3	250.7	263.7	268.8	268.8
22.5°	511.8	498.9	452.4	390.3	338.6	307.6	289.5	284.3	297.3	302.4	302.4
25°	630.7	604.9	550.6	467.9	400.7	349.0	323.1	317.9	336.0	346.4	346.4
27.5°	767.7	729.0	661.7	555.8	462.7	387.7	354.1	354.1	372.2	387.7	390.3
30°	909.9	866.0	785.8	654.0	524.7	418.8	377.4	380.0	398.1	421.3	416.2
32.5°	1116.7	1054.7	935.8	765.1	581.6	444.6	390.3	400.7	429.1	460.1	455.0
35°	1318.3	1253.7	1111.5	889.2	630.7	457.5	398.1	421.3	452.4	475.6	475.6
37.5°	1532.9	1452.7	1271.8	997.8	682.4	465.3	403.3	426.5	457.5	473.0	473.0
40°	1675.0	1594.9	1388.1	1075.3	703.1	462.7	400.7	423.9	444.6	449.8	444.6
42.5°	1853.4	1734.5	1478.6	1111.5	692.8	449.8	392.9	411.0	418.8	416.2	416.2
45°	2065.4	1933.5	1607.8	1124.5	661.7	429.1	382.6	395.5	405.8	408.4	408.4
47.5°	2349.7	2197.2	1775.9	1145.1	623.0	408.4	377.4	398.1	408.4	400.7	400.7
50°	2678.0	2499.6	1969.7	1163.2	584.2	392.9	380.0	405.8	408.4	400.7	398.1
52.5°	2939.1	2745.2	2137.8	1183.9	545.4	385.2	390.3	416.2	413.6	400.7	398.1
55°	3285.5	3086.4	2287.7	1137.4	509.2	387.7	400.7	426.5	418.8	398.1	398.1
57.5°	3693.9	3453.5	2486.7	1111.5	467.9	395.5	413.6	436.9	423.9	405.8	403.3
60°	3758.5	3525.9	2481.6	1046.9	436.9	400.7	423.9	447.2	436.9	423.9	423.9
62.5°	3978.2	3727.5	2440.2	933.2	413.6	400.7	431.7	460.1	462.7	455.0	452.4
65°	3949.8	3675.8	2334.2	819.4	392.9	395.5	436.9	475.6	478.2	480.8	480.8
67.5°	3846.4	3559.5	2150.7	718.6	369.6	387.7	436.9	473.0	486.0	496.3	496.3
70°	3531.0	3270.0	1918.0	617.8	346.4	367.1	416.2	457.5	470.5	483.4	486.0
72.5°	2954.6	2711.6	1574.2	524.7	315.4	336.0	380.0	418.8	434.3	444.6	442.0
75°	2463.5	2267.0	1279.5	416.2	281.8	297.3	333.5	367.1	377.4	385.2	385.2
77.5°	2034.4	1858.6	1008.1	341.2	245.6	258.5	286.9	312.8	323.1	325.7	320.5
80°	1698.3	1491.5	791.0	276.6	209.4	217.1	245.6	266.2	276.6	271.4	274.0
82.5°	1313.2	1142.5	599.7	232.6	183.5	186.1	206.8	224.9	232.6	227.5	224.9
85°	891.8	775.5	431.7	201.6	160.3	157.7	170.6	186.1	191.3	188.7	186.1
87.5°	589.4	511.8	312.8	173.2	139.6	137.0	144.8	157.7	162.9	160.3	155.1
90°	372.2	338.6	224.9	147.3	121.5	116.3	121.5	129.2	137.0	134.4	131.8
92.5°	237.8	214.6	165.4	121.5	103.4	98.2	98.2	103.4	108.6	103.4	98.2
95°	160.3	155.1	126.7	98.2	85.3	80.1	77.5	77.5	82.7	77.5	75.0
97.5°	124.1	118.9	103.4	77.5	67.2	64.6	62.0	62.0	67.2	62.0	59.5
100°	95.6	95.6	82.7	64.6	51.7	51.7	51.7	54.3	56.9	54.3	54.3
102.5°	75.0	75.0	69.8	54.3	43.9	43.9	43.9	46.5	51.7	49.1	49.1
105°	56.9	59.5	56.9	43.9	38.8	38.8	38.8	41.4	43.9	43.9	43.9
107.5°	46.5	49.1	46.5	38.8	33.6	33.6	33.6	36.2	38.8	41.4	41.4
110°	38.8	41.4	38.8	33.6	31.0	31.0	31.0	31.0	36.2	36.2	38.8

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CANDELA DISTRIBUTION (continued):

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