

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: P695968

Luminaire Tested: **LXF.LXT-PA16-750-U-SL3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)
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-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6677 lumens
Efficiency: N/A
Efficacy: 92.7 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

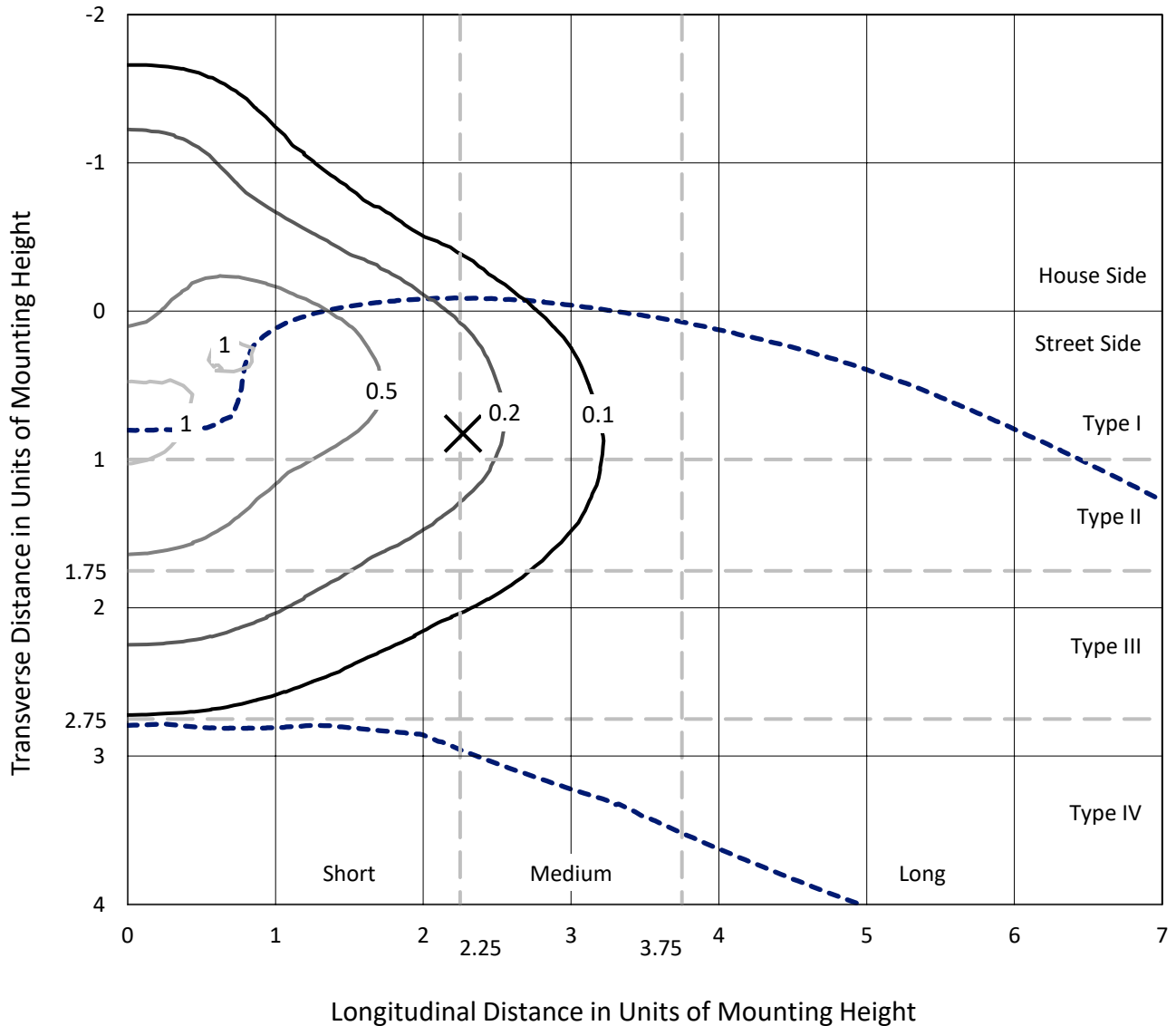
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

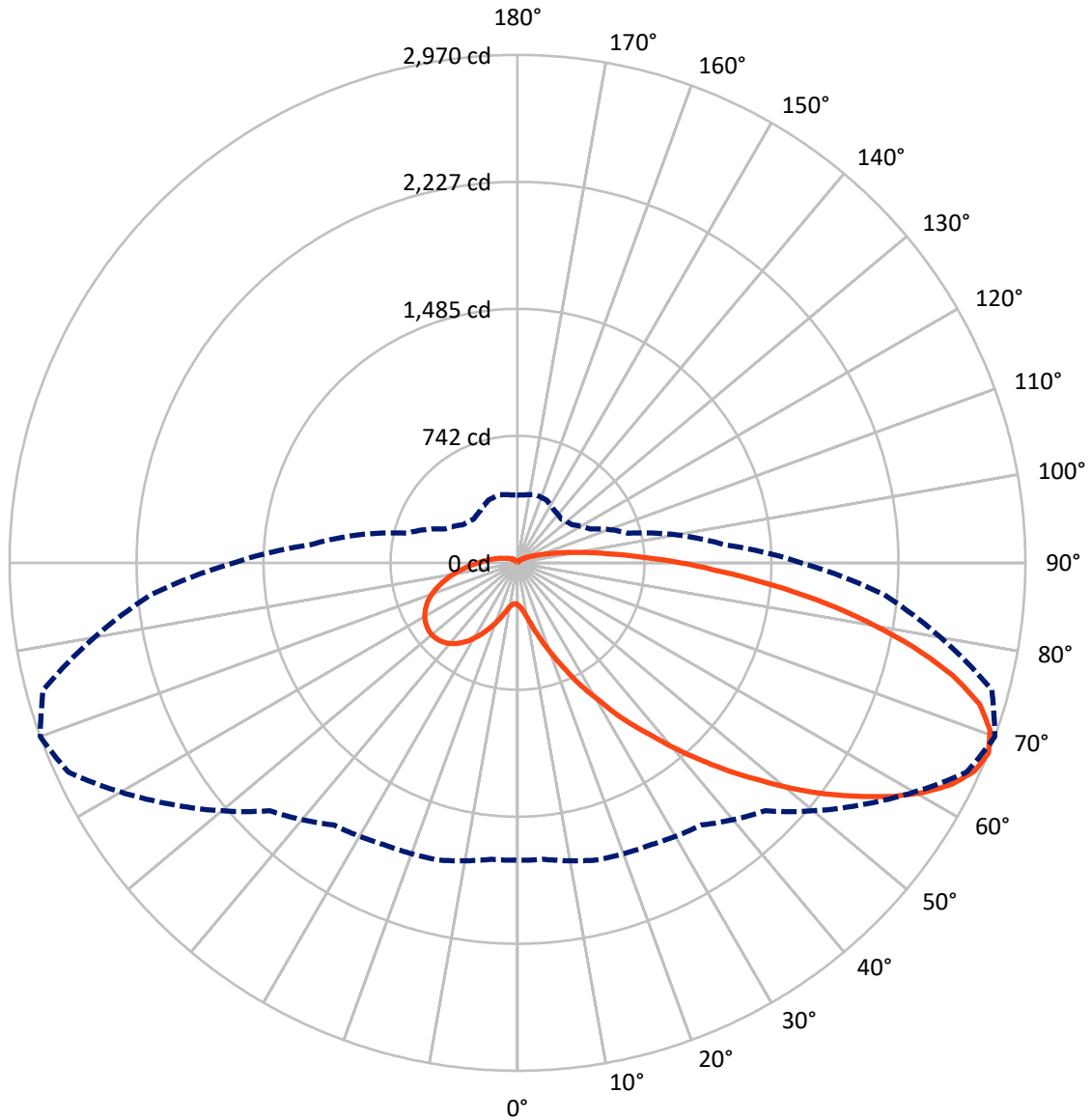
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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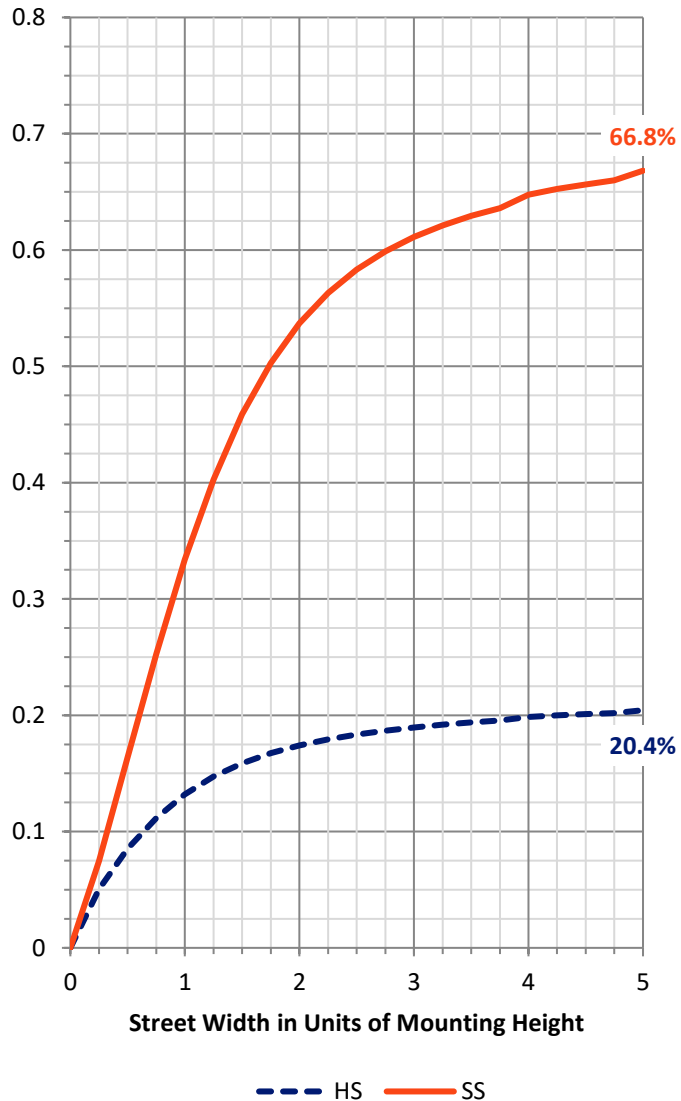
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1439.4	196.0	1635.4
	% Fixture	21.6	2.9	24.5
Street Side	Lumens	4674.7	366.9	5041.6
	% Fixture	70.0	5.5	75.5
Total	Lumens	6114.1	562.9	6677.0
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	0.4
10°-20°	105.7	1.6
20°-30°	266.4	4.0
30°-40°	521.8	7.8
40°-50°	849.5	12.7
50°-60°	1190.2	17.8
60°-70°	1365.3	20.4
70°-80°	1136.3	17.0
80°-90°	653.5	9.8
90°-100°	299.8	4.5
100°-110°	137.2	2.1
110°-120°	67.5	1.0
120°-130°	34.9	0.5
130°-140°	16.9	0.3
140°-150°	6.2	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6114.1	91.6
0°-180°	6677.0	100.0

Coefficient of Utilization



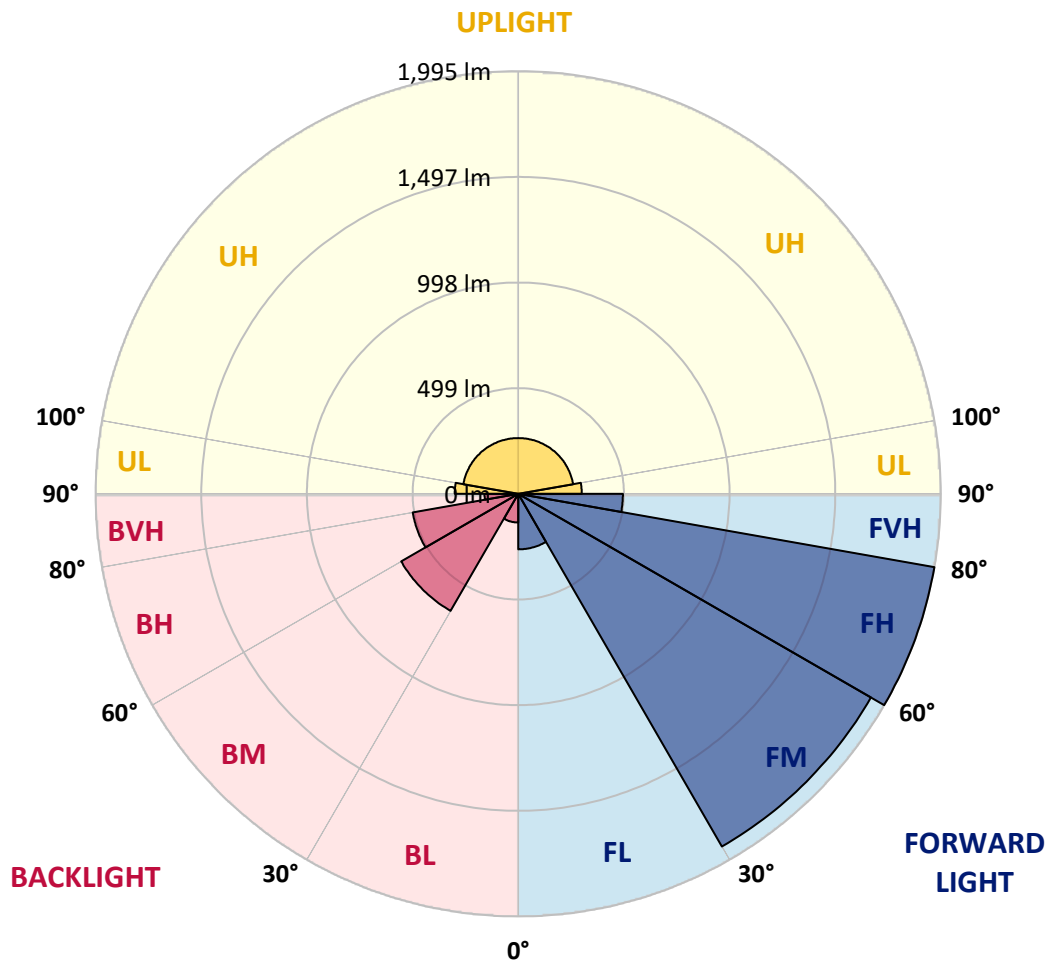
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.2	3.9			
FM (30°-60°)	1923.0	28.8			
FH (60°-80°)	1995.4	29.9			G2/5000
FVH (80°-90°)	494.1	7.4			G3/500
BL (0°-30°)	135.5	2.0	B1/500		
BM (30°-60°)	638.4	9.6	B1/1000		
BH (60°-80°)	506.1	7.6	B2/1000		G2/1000
BVH (80°-90°)	159.4	2.4			G2/225
UL (90°-100°)	299.8	4.5		U3/500	
UH (100°-180°)	263.1	3.9		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°	70°	75°	85°
0°	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.5
2.5°	268.8	268.8	268.8	266.2	266.2	261.1	261.1	255.9	255.9	253.3	248.1
5°	302.4	302.4	299.8	299.8	294.7	289.5	284.3	276.6	271.4	268.8	261.1
7.5°	341.2	341.2	338.6	333.4	330.8	323.1	312.7	302.4	297.2	292.1	279.1
10°	387.7	387.7	382.5	379.9	374.8	364.4	354.1	338.6	330.8	323.1	305.0
12.5°	442.0	436.8	436.8	429.1	421.3	413.5	400.6	382.5	374.8	364.4	341.2
15°	498.8	498.8	498.8	491.1	480.8	467.8	457.5	439.4	434.2	418.7	392.9
17.5°	566.0	571.2	563.5	553.1	548.0	535.0	522.1	509.2	496.3	480.8	447.2
20°	648.8	646.2	638.4	628.1	620.3	607.4	599.6	576.4	566.0	550.5	501.4
22.5°	728.9	731.5	723.7	708.2	697.9	690.1	677.2	659.1	643.6	625.5	571.2
25°	834.9	832.3	814.2	790.9	780.6	770.2	762.5	744.4	734.1	718.5	648.8
27.5°	940.8	930.5	917.6	896.9	871.0	852.9	847.8	840.0	832.3	806.4	728.9
30°	1052.0	1041.6	1026.1	992.5	956.3	935.7	935.7	946.0	927.9	907.2	819.3
32.5°	1170.9	1157.9	1137.3	1095.9	1046.8	1023.5	1033.9	1052.0	1049.4	1018.4	909.8
35°	1289.8	1287.2	1256.2	1204.5	1142.4	1114.0	1129.5	1165.7	1165.7	1142.4	1008.0
37.5°	1406.1	1408.7	1380.2	1315.6	1235.5	1204.5	1227.7	1287.2	1287.2	1269.1	1103.7
40°	1553.4	1548.2	1496.5	1421.6	1333.7	1294.9	1341.5	1419.0	1431.9	1398.3	1209.6
42.5°	1680.0	1669.7	1628.4	1535.3	1429.3	1382.8	1447.4	1553.4	1579.2	1540.5	1318.2
45°	1809.3	1796.4	1747.2	1643.9	1525.0	1470.7	1561.2	1703.3	1736.9	1700.7	1431.9
47.5°	1930.8	1917.8	1873.9	1749.8	1625.8	1576.7	1677.5	1855.8	1897.2	1866.1	1543.1
50°	2041.9	2039.3	1985.0	1855.8	1713.6	1667.1	1798.9	2016.1	2070.3	2023.8	1656.8
52.5°	2137.5	2127.2	2075.5	1951.4	1801.5	1765.3	1923.0	2184.1	2243.5	2197.0	1770.5
55°	2197.0	2191.8	2145.3	2023.8	1881.7	1855.8	2047.1	2336.6	2408.9	2367.6	1876.5
57.5°	2225.4	2217.7	2178.9	2070.3	1941.1	1938.5	2160.8	2494.2	2576.9	2522.7	1985.0
60°	2197.0	2191.8	2166.0	2083.3	1979.9	2003.1	2279.7	2639.0	2726.8	2667.4	2070.3
62.5°	2101.4	2101.4	2098.8	2049.7	1987.6	2057.4	2372.7	2763.0	2850.9	2778.5	2132.4
65°	1951.4	1959.2	1974.7	1964.4	1954.0	2075.5	2434.8	2856.1	2936.2	2850.9	2166.0
67.5°	1739.5	1739.5	1798.9	1822.2	1871.3	2049.7	2463.2	2897.4	2969.8	2871.6	2153.0
70°	1504.3	1504.3	1571.5	1638.7	1747.2	1982.5	2432.2	2874.2	2931.0	2822.5	2096.2
72.5°	1258.7	1261.3	1341.5	1434.5	1584.4	1866.1	2349.5	2773.4	2825.1	2695.8	1982.5
75°	1018.4	1039.0	1106.2	1227.7	1400.9	1711.1	2194.4	2597.6	2628.6	2504.6	1822.2
77.5°	806.4	832.3	912.4	1031.3	1212.2	1514.6	1985.0	2362.4	2367.6	2248.7	1628.4
80°	638.4	656.5	739.2	850.4	1026.1	1315.6	1736.9	2070.3	2065.2	1948.9	1395.7
82.5°	504.0	516.9	581.6	690.1	858.1	1126.9	1491.4	1736.9	1755.0	1641.3	1170.9
85°	387.7	403.2	462.7	558.3	708.2	938.2	1232.9	1424.2	1431.9	1331.1	964.1
87.5°	297.2	312.7	367.0	457.5	584.1	770.2	1005.4	1155.4	1142.4	1062.3	762.5
90°	230.0	237.8	292.1	367.0	478.2	635.8	809.0	907.2	907.2	829.7	610.0
92.5°	183.5	186.1	235.2	302.4	395.5	516.9	651.3	713.4	695.3	651.3	480.8
95°	144.7	149.9	188.7	248.1	325.7	423.9	514.4	558.3	542.8	501.4	377.4
97.5°	116.3	121.5	155.1	206.8	271.4	346.3	413.5	434.2	426.5	398.0	299.8
100°	95.6	98.2	126.6	175.8	227.5	286.9	330.8	343.8	328.3	310.2	235.2
102.5°	80.1	82.7	108.6	147.3	193.9	235.2	268.8	274.0	261.1	240.4	188.7
105°	67.2	69.8	90.5	126.6	162.8	199.0	219.7	217.1	204.2	188.7	152.5
107.5°	59.4	59.4	77.5	108.6	142.2	165.4	180.9	175.8	162.8	147.3	124.1
110°	51.7	51.7	64.6	93.0	121.5	142.2	149.9	142.2	129.2	118.9	100.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	46.5	46.5	56.9	80.1	103.4	121.5	124.1	113.7	106.0	98.2	82.7
115°	41.4	43.9	49.1	67.2	87.9	103.4	103.4	95.6	87.9	80.1	72.4
117.5°	38.8	38.8	43.9	59.4	77.5	87.9	87.9	80.1	72.4	67.2	62.0
120°	36.2	36.2	41.4	51.7	67.2	75.0	75.0	67.2	62.0	56.9	54.3
122.5°	33.6	33.6	36.2	43.9	56.9	64.6	64.6	56.9	51.7	49.1	46.5
125°	31.0	31.0	33.6	38.8	49.1	54.3	54.3	46.5	43.9	41.4	41.4
127.5°	28.4	28.4	31.0	33.6	41.4	46.5	43.9	38.8	36.2	36.2	36.2
130°	25.8	25.8	28.4	31.0	36.2	38.8	36.2	33.6	31.0	31.0	31.0
132.5°	25.8	25.8	25.8	25.8	28.4	31.0	31.0	28.4	25.8	28.4	28.4
135°	23.3	23.3	23.3	23.3	23.3	25.8	23.3	23.3	23.3	23.3	23.3
137.5°	20.7	20.7	20.7	20.7	20.7	20.7	18.1	18.1	18.1	20.7	20.7
140°	18.1	18.1	18.1	15.5	15.5	15.5	15.5	15.5	15.5	15.5	18.1
142.5°	15.5	15.5	15.5	12.9	12.9	10.3	10.3	10.3	12.9	12.9	15.5
145°	12.9	12.9	12.9	10.3	7.8	7.8	7.8	7.8	10.3	10.3	10.3
147.5°	10.3	10.3	10.3	7.8	5.2	5.2	5.2	5.2	7.8	7.8	7.8
150°	7.8	7.8	7.8	5.2	5.2	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.5
2.5°	248.1	245.5	243.0	237.8	235.2	235.2	235.2	232.6	232.6	230.0	230.0
5°	255.9	253.3	243.0	235.2	230.0	224.9	219.7	217.1	214.5	211.9	211.9
7.5°	271.4	266.2	253.3	240.4	230.0	219.7	211.9	206.8	204.2	201.6	201.6
10°	294.7	286.9	266.2	248.1	232.6	219.7	209.4	204.2	199.0	196.4	196.4
12.5°	328.3	317.9	289.5	263.6	243.0	224.9	214.5	206.8	201.6	199.0	199.0
15°	374.8	356.7	320.5	286.9	258.5	235.2	222.3	217.1	214.5	214.5	214.5
17.5°	423.9	398.0	356.7	312.7	279.1	253.3	240.4	235.2	232.6	232.6	232.6
20°	478.2	449.7	392.9	341.2	299.8	276.6	261.1	255.9	253.3	253.3	253.3
22.5°	537.6	506.6	431.6	367.0	325.7	299.8	284.3	276.6	279.1	279.1	279.1
25°	604.8	560.9	473.0	398.0	348.9	323.1	307.6	299.8	305.0	307.6	307.6
27.5°	679.8	620.3	511.8	426.5	374.8	343.8	330.8	325.7	333.4	336.0	338.6
30°	752.1	684.9	550.5	457.5	395.5	364.4	351.5	354.1	359.3	364.4	369.6
32.5°	832.3	744.4	591.9	483.3	416.1	379.9	372.2	379.9	390.3	395.5	398.0
35°	909.8	806.4	622.9	506.6	431.6	395.5	390.3	403.2	416.1	426.5	426.5
37.5°	987.4	863.3	656.5	524.7	444.6	405.8	405.8	423.9	439.4	452.3	452.3
40°	1067.5	925.3	684.9	540.2	454.9	416.1	418.7	442.0	462.7	470.4	473.0
42.5°	1150.2	977.0	708.2	550.5	460.1	423.9	429.1	457.5	478.2	485.9	488.5
45°	1230.3	1031.3	726.3	555.7	465.2	426.5	434.2	467.8	488.5	496.3	496.3
47.5°	1305.3	1077.8	739.2	558.3	465.2	426.5	439.4	473.0	496.3	498.8	498.8
50°	1385.4	1124.3	749.6	558.3	462.7	426.5	439.4	475.6	496.3	496.3	496.3
52.5°	1462.9	1165.7	754.7	553.1	457.5	423.9	436.8	473.0	493.7	488.5	488.5
55°	1535.3	1199.3	752.1	545.4	449.7	416.1	431.6	467.8	485.9	478.2	478.2
57.5°	1594.8	1227.7	747.0	535.0	442.0	408.4	423.9	460.1	475.6	465.2	462.7
60°	1646.4	1245.8	736.6	522.1	429.1	398.0	416.1	449.7	462.7	449.7	447.2
62.5°	1674.9	1253.6	721.1	504.0	418.7	387.7	403.2	436.8	447.2	431.6	431.6
65°	1685.2	1243.2	697.9	485.9	403.2	377.4	390.3	421.3	429.1	416.1	413.5
67.5°	1659.4	1214.8	669.4	467.8	387.7	361.9	374.8	403.2	411.0	398.0	395.5
70°	1605.1	1160.5	633.2	442.0	369.6	346.3	356.7	379.9	390.3	379.9	377.4
72.5°	1504.3	1093.3	591.9	416.1	348.9	328.3	338.6	359.3	369.6	359.3	356.7
75°	1385.4	1005.4	545.4	387.7	328.3	310.2	317.9	333.4	343.8	338.6	333.4
77.5°	1227.7	899.5	496.3	359.3	307.6	289.5	294.7	310.2	317.9	312.7	312.7
80°	1062.3	783.2	447.2	328.3	286.9	271.4	271.4	284.3	292.1	289.5	284.3
82.5°	902.1	669.4	395.5	297.2	261.1	248.1	250.7	255.9	266.2	261.1	258.5
85°	741.8	568.6	346.3	268.8	237.8	227.5	227.5	230.0	237.8	235.2	232.6
87.5°	607.4	467.8	302.4	237.8	214.5	206.8	201.6	206.8	206.8	206.8	201.6
90°	493.7	387.7	261.1	211.9	196.4	186.1	180.9	180.9	180.9	178.3	175.8
92.5°	392.9	320.5	227.5	188.7	175.8	168.0	162.8	160.3	157.7	152.5	152.5
95°	323.1	263.6	196.4	165.4	157.7	149.9	144.7	142.2	137.0	131.8	129.2
97.5°	255.9	219.7	168.0	147.3	139.6	134.4	129.2	124.1	116.3	111.1	108.6
100°	204.2	178.3	144.7	129.2	124.1	118.9	113.7	108.6	100.8	93.0	90.5
102.5°	168.0	149.9	124.1	116.3	111.1	106.0	103.4	95.6	85.3	77.5	77.5
105°	137.0	124.1	108.6	100.8	98.2	95.6	90.5	82.7	72.4	64.6	64.6
107.5°	113.7	106.0	93.0	90.5	87.9	85.3	80.1	72.4	62.0	54.3	54.3
110°	95.6	87.9	80.1	77.5	77.5	75.0	72.4	62.0	54.3	46.5	46.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	80.1	75.0	72.4	69.8	69.8	67.2	64.6	54.3	46.5	41.4	41.4
115°	67.2	64.6	62.0	62.0	62.0	59.4	56.9	49.1	38.8	36.2	36.2
117.5°	59.4	56.9	54.3	54.3	54.3	54.3	49.1	41.4	33.6	31.0	31.0
120°	51.7	51.7	49.1	49.1	49.1	46.5	43.9	36.2	28.4	28.4	28.4
122.5°	46.5	43.9	43.9	43.9	43.9	41.4	36.2	31.0	25.8	25.8	25.8
125°	41.4	38.8	38.8	38.8	38.8	36.2	31.0	25.8	23.3	23.3	23.3
127.5°	36.2	36.2	33.6	33.6	33.6	31.0	28.4	23.3	20.7	20.7	20.7
130°	31.0	31.0	31.0	31.0	28.4	25.8	23.3	20.7	18.1	18.1	18.1
132.5°	28.4	28.4	25.8	25.8	25.8	23.3	20.7	18.1	15.5	18.1	18.1
135°	23.3	23.3	23.3	23.3	20.7	18.1	18.1	15.5	15.5	15.5	15.5
137.5°	20.7	20.7	20.7	18.1	18.1	15.5	15.5	12.9	12.9	12.9	15.5
140°	18.1	18.1	15.5	15.5	12.9	12.9	12.9	10.3	12.9	12.9	12.9
142.5°	15.5	15.5	12.9	12.9	10.3	10.3	10.3	10.3	10.3	10.3	10.3
145°	10.3	10.3	10.3	10.3	7.8	7.8	7.8	7.8	10.3	10.3	10.3
147.5°	7.8	7.8	7.8	7.8	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	2.6	5.2	5.2	7.8	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)