

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: P695987

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-23)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7443.1 lumens
Efficiency: N/A
Efficacy: 103.4 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

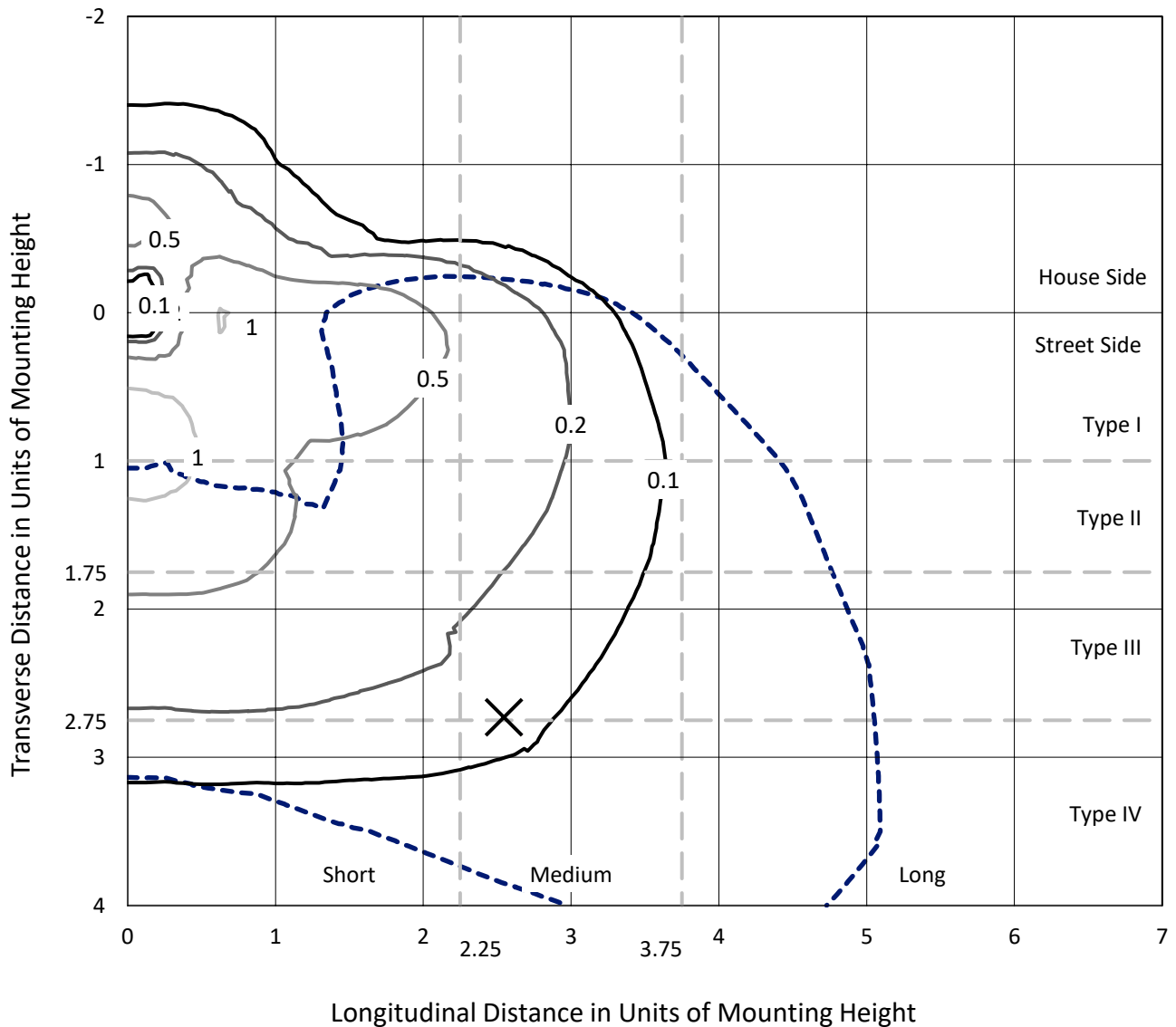
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

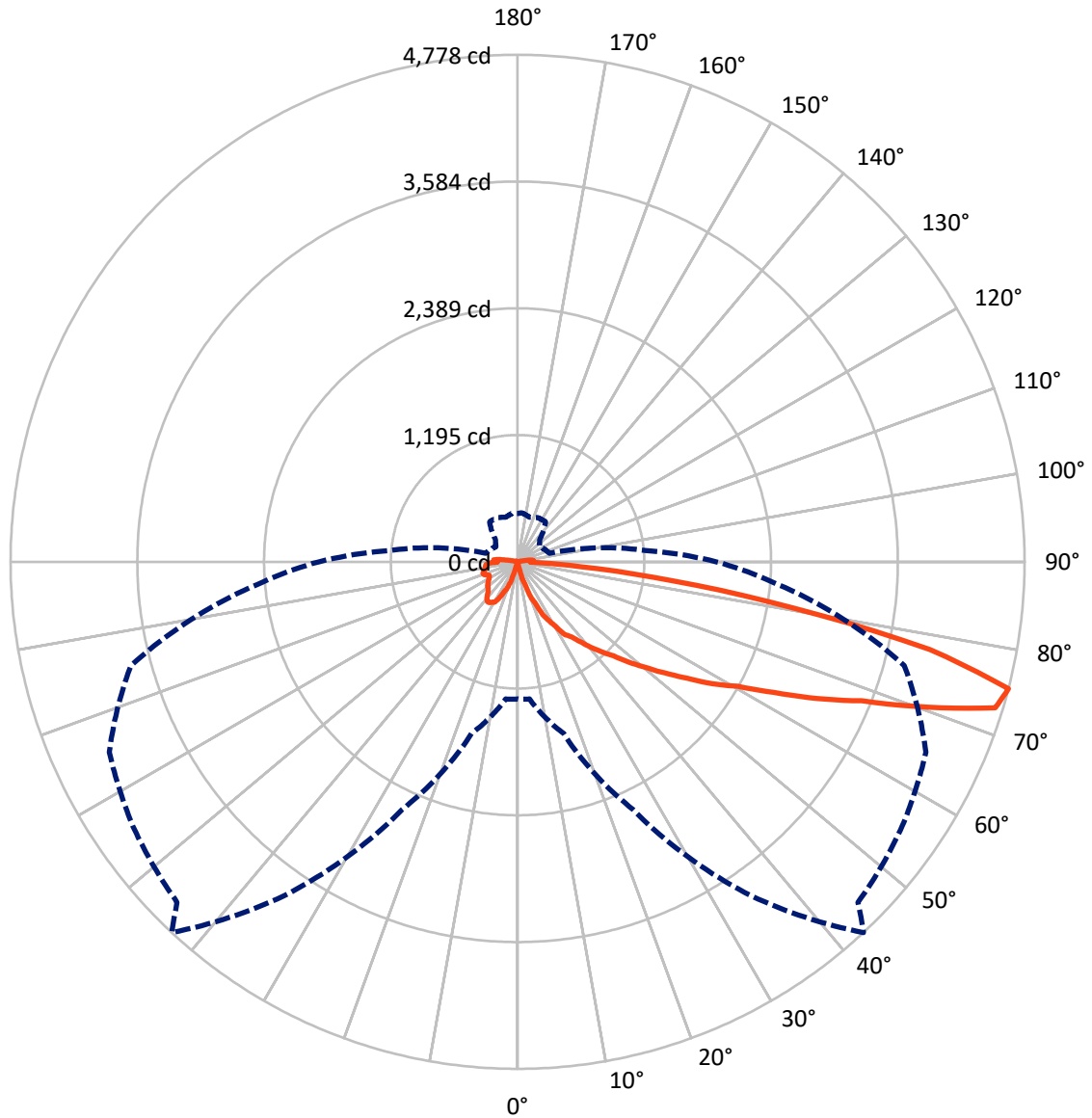
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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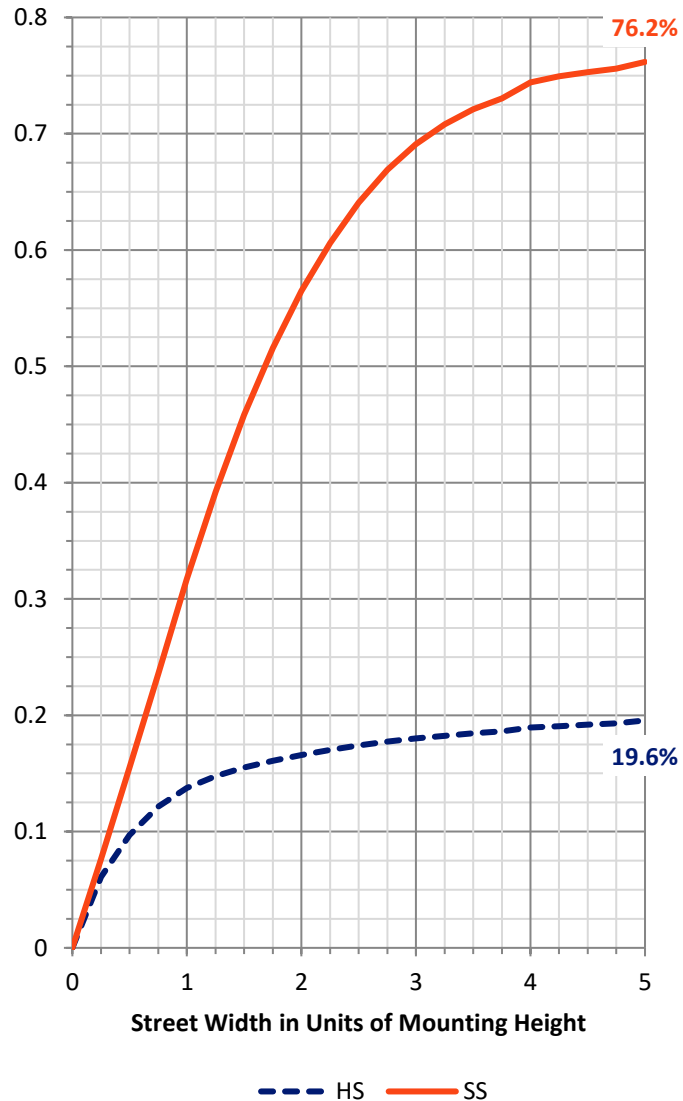
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1550.8	104.4	1655.2
	% Fixture	20.8	1.4	22.2
Street Side	Lumens	5712.1	75.8	5787.8
	% Fixture	76.7	1.0	77.8
Total	Lumens	7262.8	180.2	7443.1
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	44.2	0.6
20°-30°	241.8	3.2
30°-40°	566.0	7.6
40°-50°	857.4	11.5
50°-60°	1333.5	17.9
60°-70°	2008.8	27.0
70°-80°	1807.6	24.3
80°-90°	402.9	5.4
90°-100°	138.6	1.9
100°-110°	22.7	0.3
110°-120°	7.3	0.1
120°-130°	5.4	0.1
130°-140°	3.3	0.0
140°-150°	2.6	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7262.8	97.6
0°-180°	7443.1	100.0

Coefficient of Utilization

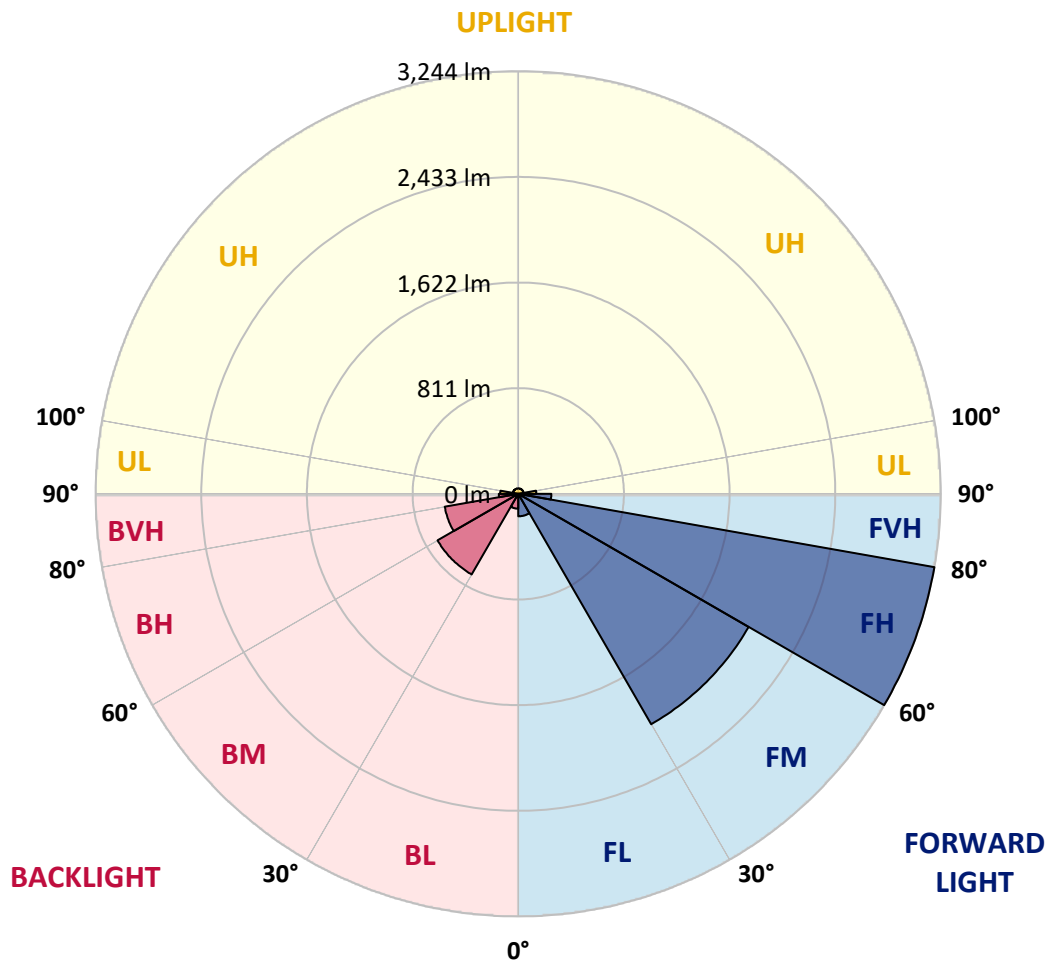


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.5	2.3			
FM (30°-60°)	2042.2	27.4			
FH (60°-80°)	3243.7	43.6			G2/5000
FVH (80°-90°)	253.8	3.4			G3/500
BL (0°-30°)	114.1	1.5	B1/500		
BM (30°-60°)	714.7	9.6	B1/1000		
BH (60°-80°)	572.8	7.7	B2/1000		G2/1000
BVH (80°-90°)	149.1	2.0			G2/225
UL (90°-100°)	138.6	1.9		U3/500	
UH (100°-180°)	41.6	0.6		U2/50	

BUG Rating: B2-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
2.5°	5.2	5.2	2.6	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
7.5°	7.8	7.8	5.2	5.2	7.8	5.2	5.2	5.2	5.2	5.2	5.2
10°	51.7	51.7	46.5	28.4	12.9	7.8	7.8	7.8	5.2	7.8	7.8
12.5°	214.6	214.6	199.1	186.2	56.9	33.6	23.3	12.9	23.3	33.6	44.0
15°	256.0	256.0	245.6	222.4	206.8	162.9	106.0	62.1	168.1	178.4	175.8
17.5°	465.4	400.8	318.0	276.7	232.7	212.0	237.9	193.9	212.0	217.2	214.6
20°	545.6	535.2	511.9	486.1	294.8	359.4	333.5	331.0	258.6	333.5	393.0
22.5°	589.5	589.5	550.7	517.1	524.9	413.7	390.4	374.9	431.8	470.6	468.0
25°	819.6	819.6	786.0	571.4	553.3	550.7	509.4	540.4	543.0	540.4	545.6
27.5°	868.7	861.0	830.0	760.2	615.4	628.3	638.6	602.4	669.7	783.4	775.7
30°	1241.1	1197.1	972.2	817.0	767.9	703.3	680.0	731.7	801.5	830.0	835.1
32.5°	1440.2	1424.6	1321.2	1088.5	850.6	819.6	775.7	817.0	832.5	1021.3	1098.9
35°	1662.5	1634.1	1543.6	1230.7	1029.1	863.6	845.5	822.2	985.1	1070.4	1145.4
37.5°	1830.6	1828.0	1747.8	1401.4	1142.8	951.5	892.0	915.3	1018.7	1122.1	1191.9
40°	1975.4	1965.0	1928.8	1559.1	1238.5	1054.9	951.5	969.6	1067.8	1171.3	1251.4
42.5°	2127.9	2120.2	2122.7	1691.0	1360.0	1158.3	1034.2	1021.3	1127.3	1251.4	1341.9
45°	2303.7	2298.6	2290.8	1887.5	1497.0	1264.3	1140.2	1104.0	1246.2	1352.2	1460.8
47.5°	2378.7	2368.4	2422.7	2055.5	1649.6	1411.7	1256.6	1212.6	1378.1	1502.2	1652.2
50°	2474.4	2464.0	2497.6	2226.2	1830.6	1566.8	1411.7	1344.5	1538.4	1709.1	1903.0
52.5°	2655.4	2748.4	2616.6	2412.3	2081.4	1740.1	1566.8	1515.1	1753.0	1985.7	2314.1
55°	2872.6	2851.9	2782.1	2626.9	2311.5	1936.6	1737.5	1709.1	2040.0	2334.8	2738.1
57.5°	2913.9	2890.7	2947.5	2846.7	2577.8	2169.3	1934.0	1946.9	2329.6	2699.3	3213.8
60°	3009.6	2994.1	3100.1	3154.4	2851.9	2383.9	2138.3	2262.4	2626.9	3071.6	3674.1
62.5°	3110.4	3128.5	3286.2	3366.4	3035.4	2709.7	2417.5	2621.8	3082.0	3475.0	4082.6
65°	3094.9	3120.8	3446.5	3487.9	3260.4	3105.3	2764.0	3030.3	3500.8	3891.3	4379.9
67.5°	3017.3	3043.2	3485.3	3653.4	3568.1	3498.3	3159.6	3472.4	3888.7	4173.1	4473.0
70°	2857.0	2859.6	3296.6	3785.3	3945.6	4103.3	3702.5	3906.8	4268.8	4418.7	4242.9
72.5°	2311.5	2329.6	2740.7	3526.7	4222.2	4705.7	4317.9	4312.7	4473.0	4346.3	3490.5
75°	1292.8	1298.0	1675.4	2577.8	3844.7	4778.1	4537.7	4405.8	4245.5	3772.3	2466.6
77.5°	393.0	439.5	586.9	1310.9	2691.6	3971.4	3906.8	3875.8	3550.0	2660.5	1341.9
80°	199.1	206.8	263.7	452.5	1391.0	2629.5	2686.4	2782.1	2213.2	1148.0	623.1
82.5°	113.8	118.9	160.3	240.5	592.1	1468.6	1613.4	1520.3	951.5	540.4	431.8
85°	56.9	56.9	75.0	111.2	276.7	581.8	674.8	545.6	411.1	356.8	349.1
87.5°	31.0	31.0	25.9	33.6	85.3	129.3	150.0	204.3	219.8	224.9	297.3
90°	33.6	33.6	25.9	28.4	62.1	116.4	165.5	199.1	204.3	214.6	302.5
92.5°	33.6	33.6	25.9	25.9	56.9	137.0	188.7	217.2	212.0	230.1	310.3
95°	33.6	31.0	23.3	25.9	49.1	147.4	178.4	230.1	204.3	206.8	258.6
97.5°	20.7	20.7	15.5	20.7	36.2	113.8	124.1	165.5	139.6	93.1	121.5
100°	15.5	15.5	10.3	15.5	20.7	54.3	51.7	80.2	62.1	20.7	31.0
102.5°	15.5	18.1	10.3	10.3	12.9	15.5	18.1	25.9	25.9	15.5	20.7
105°	18.1	18.1	7.8	7.8	7.8	7.8	10.3	10.3	10.3	12.9	20.7
107.5°	15.5	15.5	7.8	5.2	5.2	7.8	7.8	5.2	7.8	10.3	23.3
110°	10.3	10.3	5.2	5.2	5.2	5.2	5.2	5.2	7.8	10.3	18.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	5.2	7.8	2.6	5.2	2.6	5.2	5.2	5.2	5.2	7.8	10.3
115°	7.8	5.2	2.6	2.6	2.6	5.2	5.2	5.2	5.2	7.8	10.3
117.5°	7.8	5.2	2.6	2.6	2.6	2.6	2.6	2.6	5.2	7.8	12.9
120°	7.8	7.8	2.6	2.6	2.6	2.6	2.6	2.6	5.2	7.8	10.3
122.5°	7.8	7.8	2.6	2.6	2.6	2.6	2.6	2.6	5.2	7.8	10.3
125°	7.8	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	7.8	10.3
127.5°	7.8	5.2	2.6	2.6	2.6	2.6	2.6	2.6	5.2	7.8	10.3
130°	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	10.3
132.5°	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	7.8
135°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2
137.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2
140°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2	5.2
142.5°	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2	5.2
145°	5.2	5.2	5.2	2.6	2.6	2.6	2.6	2.6	5.2	5.2	5.2
147.5°	5.2	5.2	5.2	5.2	2.6	2.6	2.6	2.6	5.2	5.2	5.2
150°	5.2	5.2	5.2	2.6	2.6	2.6	2.6	2.6	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°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
2.5°	5.2	5.2	5.2	2.6	2.6	2.6	5.2	5.2	5.2	5.2	5.2
5°	5.2	5.2	5.2	5.2	2.6	5.2	5.2	5.2	5.2	5.2	5.2
7.5°	5.2	5.2	5.2	5.2	2.6	2.6	5.2	5.2	5.2	5.2	5.2
10°	7.8	7.8	5.2	5.2	5.2	2.6	5.2	5.2	5.2	5.2	5.2
12.5°	46.5	44.0	31.0	18.1	7.8	5.2	5.2	5.2	7.8	10.3	10.3
15°	178.4	173.2	168.1	152.5	44.0	10.3	7.8	23.3	90.5	126.7	147.4
17.5°	209.4	206.8	201.7	191.3	175.8	59.5	77.6	165.5	196.5	201.7	206.8
20°	385.2	377.5	292.2	219.8	201.7	212.0	186.2	206.8	217.2	224.9	232.7
22.5°	457.6	449.9	426.6	390.4	240.5	279.2	268.9	237.9	362.0	390.4	395.6
25°	535.2	522.3	473.2	434.4	400.8	310.3	333.5	377.5	408.5	429.2	429.2
27.5°	762.7	736.9	674.8	478.3	444.7	380.1	408.5	400.8	452.5	555.9	563.7
30°	824.8	796.4	708.4	592.1	473.2	439.5	421.4	517.1	584.3	607.6	615.4
32.5°	1098.9	1073.0	917.9	610.2	519.7	439.5	488.7	537.8	584.3	692.9	703.3
35°	1153.2	1111.8	951.5	703.3	517.1	460.2	491.3	548.1	677.4	726.5	736.9
37.5°	1207.5	1166.1	948.9	674.8	550.7	468.0	480.9	561.1	630.9	664.5	672.2
40°	1282.4	1220.4	930.8	628.3	524.9	449.9	475.7	527.5	568.8	579.2	586.9
42.5°	1380.7	1295.4	910.1	581.8	486.1	421.4	444.7	483.5	509.4	493.8	493.8
45°	1517.7	1385.9	871.3	535.2	449.9	390.4	418.9	447.3	460.2	431.8	424.0
47.5°	1688.4	1494.5	830.0	491.3	426.6	372.3	403.3	426.6	426.6	387.8	382.7
50°	1895.2	1628.9	775.7	455.1	400.8	362.0	387.8	408.5	395.6	356.8	354.2
52.5°	2210.7	1833.2	724.0	424.0	377.5	351.6	385.2	382.7	364.6	331.0	328.4
55°	2601.1	2099.5	677.4	400.8	362.0	333.5	377.5	367.1	346.5	315.4	315.4
57.5°	2988.9	2391.6	628.3	385.2	343.9	318.0	364.6	359.4	336.1	305.1	302.5
60°	3369.0	2660.5	555.9	372.3	320.6	302.5	349.1	362.0	331.0	299.9	299.9
62.5°	3676.7	2789.8	475.7	351.6	297.3	292.2	341.3	372.3	356.8	343.9	343.9
65°	3777.5	2712.3	413.7	336.1	281.8	284.4	343.9	411.1	416.3	431.8	434.4
67.5°	3707.7	2492.5	372.3	323.2	271.5	297.3	393.0	462.8	449.9	460.2	465.4
70°	3405.2	2169.3	349.1	307.7	271.5	318.0	431.8	462.8	444.7	475.7	478.3
72.5°	2764.0	1755.6	328.4	294.8	261.1	315.4	455.1	457.6	444.7	480.9	475.7
75°	1874.5	1210.0	310.3	279.2	248.2	292.2	460.2	457.6	434.4	462.8	455.1
77.5°	946.3	615.4	287.0	261.1	230.1	279.2	455.1	460.2	429.2	452.5	444.7
80°	480.9	395.6	256.0	240.5	209.4	274.1	444.7	455.1	411.1	431.8	429.2
82.5°	369.7	310.3	214.6	209.4	191.3	268.9	429.2	439.5	390.4	405.9	395.6
85°	302.5	245.6	157.7	162.9	173.2	271.5	426.6	434.4	377.5	369.7	364.6
87.5°	256.0	188.7	77.6	82.7	126.7	243.0	364.6	359.4	294.8	292.2	297.3
90°	256.0	173.2	51.7	51.7	103.4	173.2	240.5	217.2	204.3	217.2	214.6
92.5°	253.4	157.7	54.3	54.3	116.4	191.3	271.5	224.9	209.4	214.6	212.0
95°	209.4	129.3	62.1	59.5	100.8	212.0	281.8	230.1	214.6	206.8	206.8
97.5°	106.0	72.4	59.5	59.5	80.2	173.2	224.9	181.0	137.0	113.8	121.5
100°	25.9	28.4	56.9	56.9	49.1	87.9	124.1	111.2	56.9	28.4	25.9
102.5°	20.7	18.1	44.0	49.1	31.0	31.0	56.9	64.6	44.0	12.9	12.9
105°	20.7	18.1	20.7	25.9	15.5	12.9	20.7	36.2	20.7	12.9	12.9
107.5°	23.3	20.7	10.3	10.3	10.3	10.3	10.3	12.9	10.3	12.9	12.9
110°	20.7	18.1	10.3	10.3	7.8	10.3	7.8	10.3	10.3	12.9	12.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.9	12.9	7.8	7.8	7.8	7.8	7.8	7.8	10.3	12.9	12.9
115°	12.9	12.9	7.8	7.8	5.2	7.8	7.8	7.8	10.3	15.5	15.5
117.5°	12.9	10.3	7.8	5.2	5.2	5.2	5.2	7.8	10.3	15.5	15.5
120°	12.9	10.3	7.8	5.2	5.2	5.2	5.2	5.2	10.3	15.5	15.5
122.5°	12.9	10.3	7.8	5.2	5.2	5.2	5.2	5.2	10.3	15.5	15.5
125°	10.3	10.3	7.8	5.2	5.2	5.2	5.2	5.2	7.8	15.5	15.5
127.5°	10.3	10.3	7.8	5.2	5.2	5.2	5.2	5.2	7.8	12.9	15.5
130°	10.3	10.3	5.2	5.2	2.6	2.6	5.2	5.2	7.8	12.9	12.9
132.5°	7.8	7.8	5.2	2.6	2.6	2.6	5.2	5.2	7.8	12.9	12.9
135°	7.8	5.2	5.2	2.6	2.6	2.6	2.6	5.2	7.8	10.3	10.3
137.5°	5.2	5.2	5.2	2.6	2.6	2.6	2.6	5.2	5.2	7.8	7.8
140°	5.2	5.2	5.2	2.6	2.6	2.6	2.6	5.2	5.2	7.8	7.8
142.5°	5.2	5.2	5.2	2.6	2.6	2.6	2.6	5.2	5.2	7.8	7.8
145°	5.2	5.2	5.2	2.6	2.6	2.6	2.6	5.2	5.2	7.8	7.8
147.5°	5.2	5.2	5.2	2.6	2.6	2.6	2.6	5.2	5.2	7.8	7.8
150°	5.2	5.2	5.2	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)