

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: P695054

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-727-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND
TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3773 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

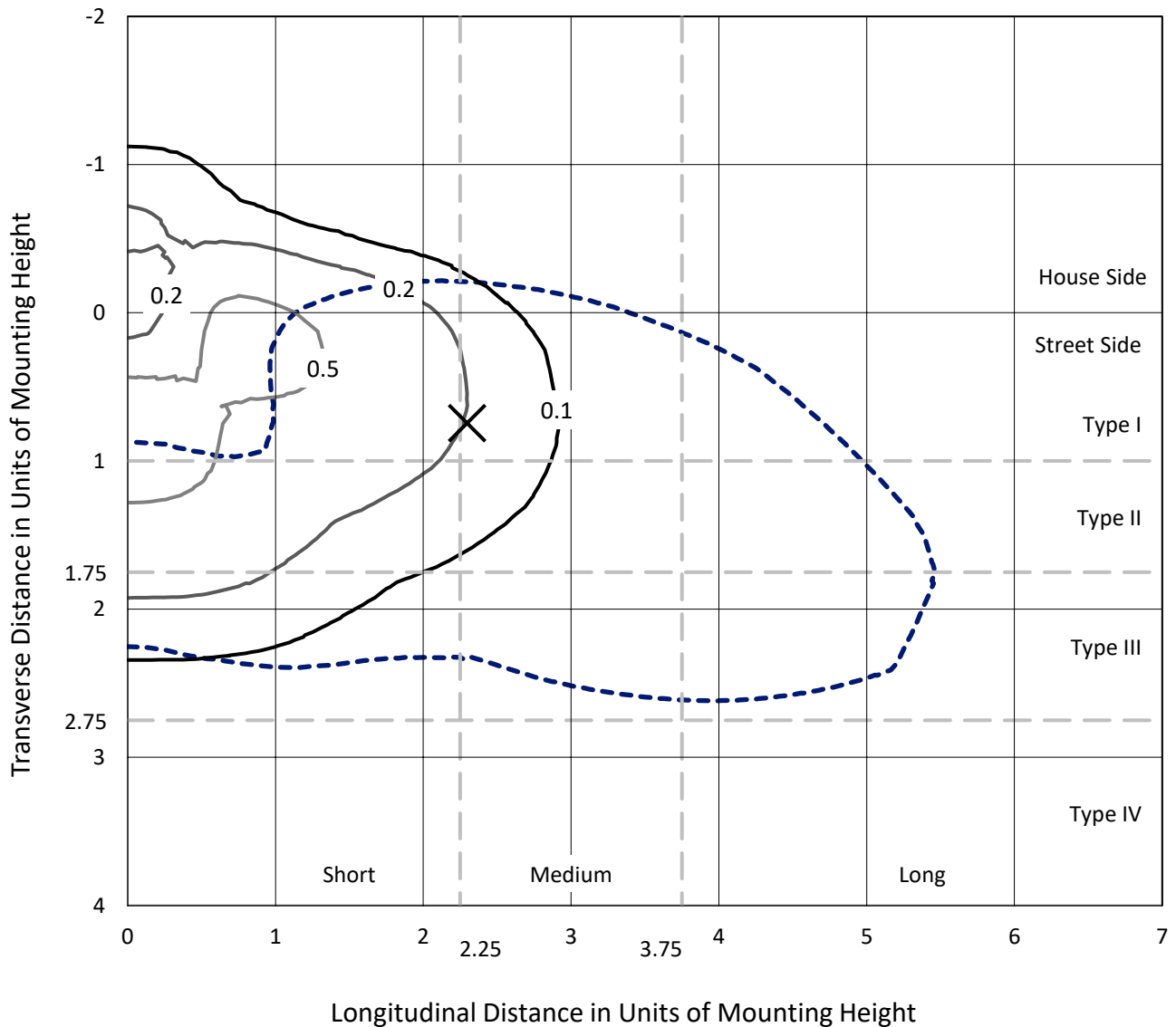
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

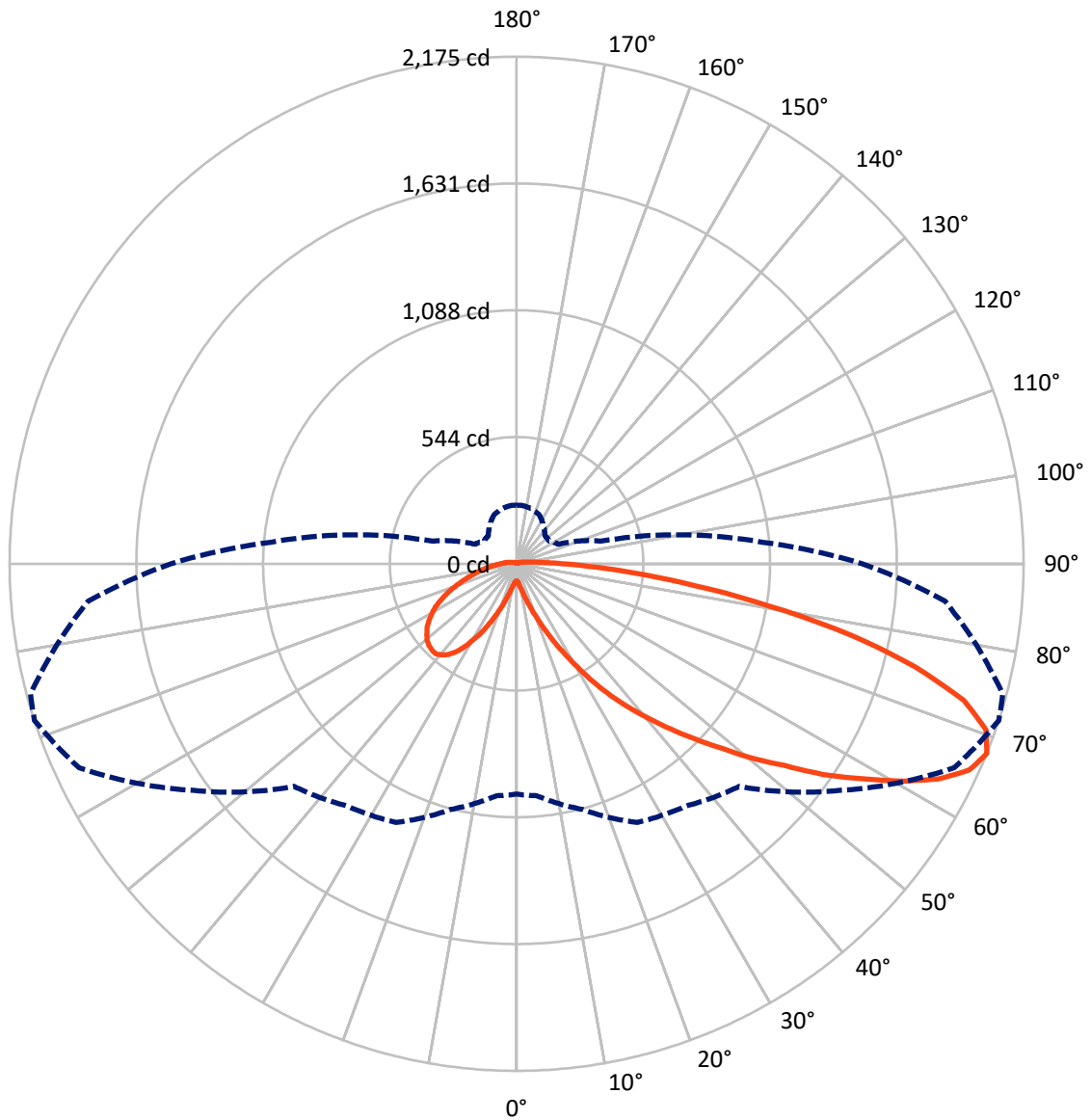
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - 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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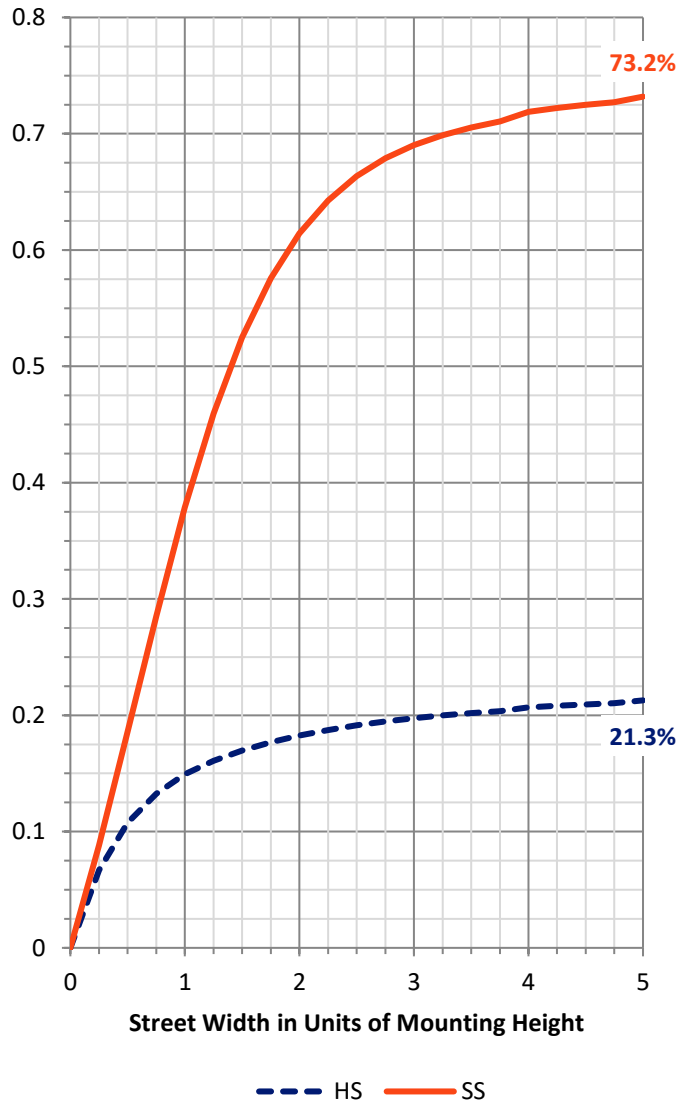
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	842.8	63.3	906.1
	% Fixture	22.3	1.7	24.0
Street Side	Lumens	2808.7	58.3	2866.9
	% Fixture	74.4	1.5	76.0
Total	Lumens	3651.4	121.6	3773.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.2
10°-20°	44.5	1.2
20°-30°	142.8	3.8
30°-40°	319.4	8.5
40°-50°	532.4	14.1
50°-60°	775.0	20.5
60°-70°	928.9	24.6
70°-80°	666.9	17.7
80°-90°	233.0	6.2
90°-100°	63.8	1.7
100°-110°	27.4	0.7
110°-120°	14.1	0.4
120°-130°	8.4	0.2
130°-140°	5.2	0.1
140°-150°	2.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3651.4	96.8
0°-180°	3773.0	100.0

Coefficient of Utilization

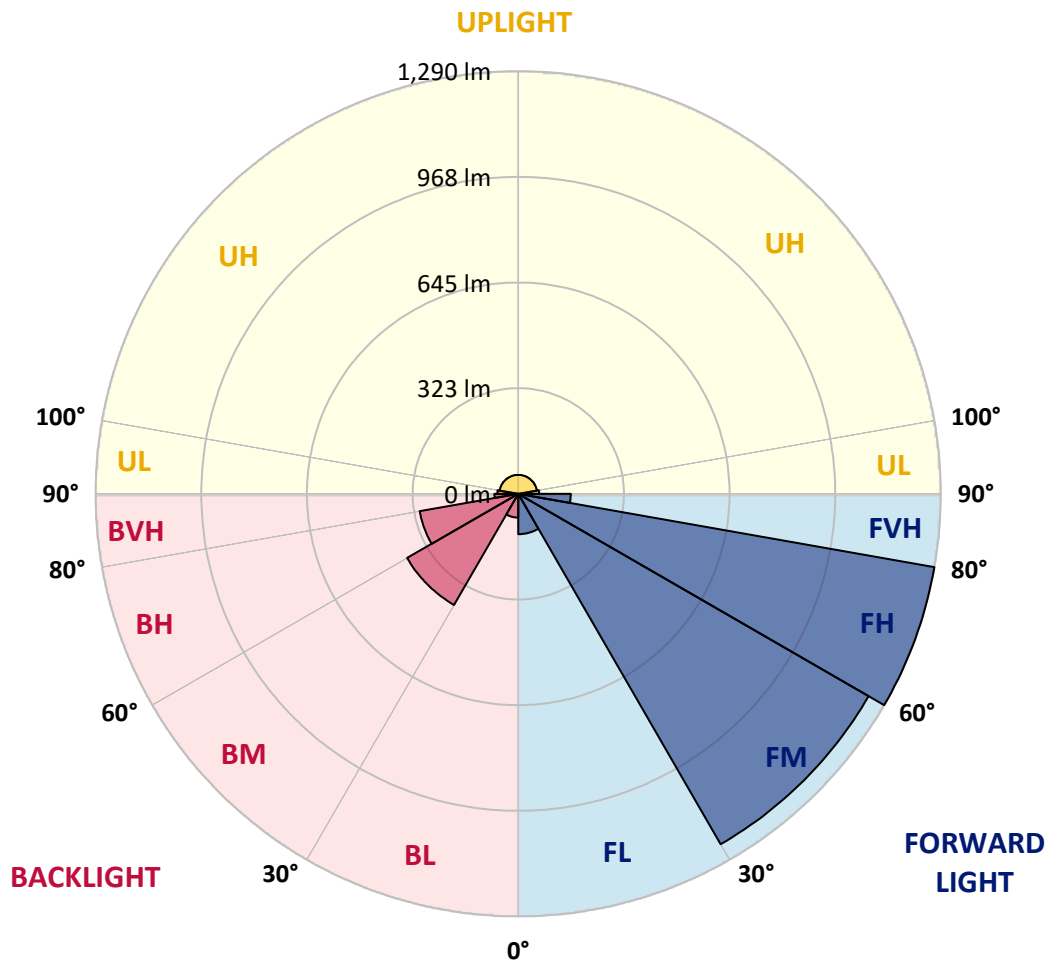


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	123.1	3.3			
FM (30°-60°)	1235.2	32.7			
FH (60°-80°)	1290.2	34.2			G1/1800
FVH (80°-90°)	160.2	4.2			G2/225
BL (0°-30°)	72.7	1.9	B0/110		
BM (30°-60°)	391.7	10.4	B1/1000		
BH (60°-80°)	305.6	8.1	B1/500		G1/500
BVH (80°-90°)	72.8	1.9			G1/100
UL (90°-100°)	63.8	1.7		U3/500	
UH (100°-180°)	57.8	1.5		U3/500	

BUG Rating: B1-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
2.5°	78.3	78.3	78.3	79.7	78.3	78.3	78.3	76.9	76.9	76.9	75.6
5°	90.7	90.7	89.3	89.3	87.9	87.9	86.6	85.2	83.8	82.4	81.1
7.5°	105.8	105.8	104.4	104.4	103.1	100.3	98.9	96.2	94.8	93.4	92.1
10°	129.2	127.8	127.8	126.4	123.7	120.9	118.2	114.0	111.3	109.9	107.2
12.5°	159.4	158.0	156.6	151.1	148.4	144.3	140.2	137.4	134.7	131.9	127.8
15°	197.9	196.5	192.4	188.2	178.6	174.5	169.0	167.6	164.9	163.5	156.6
17.5°	244.6	240.5	237.7	228.1	218.5	208.9	206.1	203.4	202.0	200.6	196.5
20°	302.3	298.2	292.7	274.8	263.8	252.8	245.9	247.3	245.9	245.9	241.8
22.5°	372.4	373.7	358.6	335.3	310.5	296.8	294.0	298.2	300.9	303.7	295.4
25°	457.5	456.2	432.8	401.2	369.6	350.4	347.6	355.9	365.5	371.0	364.1
27.5°	552.4	545.5	522.1	475.4	435.6	406.7	408.1	425.9	435.6	439.7	434.2
30°	651.3	648.5	614.2	557.9	500.1	464.4	469.9	496.0	513.9	523.5	509.8
32.5°	758.5	750.2	710.4	644.4	568.8	524.9	537.2	574.3	603.2	604.6	597.7
35°	860.1	860.1	813.4	733.7	640.3	588.1	603.2	663.7	692.5	700.8	685.6
37.5°	960.4	953.6	913.7	814.8	711.7	649.9	670.5	742.0	781.8	790.1	770.8
40°	1044.3	1042.9	997.5	904.1	776.3	710.4	737.8	825.8	872.5	886.2	854.6
42.5°	1129.4	1124.0	1088.2	982.4	853.3	772.2	809.3	916.5	968.7	976.9	944.0
45°	1192.7	1188.5	1162.4	1064.9	926.1	838.2	884.9	1007.2	1071.7	1080.0	1029.1
47.5°	1253.1	1253.1	1231.1	1150.1	1001.7	912.4	971.4	1114.3	1181.7	1195.4	1137.7
50°	1312.2	1306.7	1301.2	1231.1	1078.6	994.8	1056.6	1227.0	1310.8	1324.6	1244.9
52.5°	1346.5	1354.8	1361.7	1313.6	1165.2	1073.1	1159.7	1349.3	1437.2	1456.5	1369.9
55°	1378.1	1374.0	1405.6	1374.0	1239.4	1159.7	1275.1	1489.4	1595.2	1602.1	1504.6
57.5°	1376.8	1380.9	1427.6	1430.4	1312.2	1239.4	1383.6	1628.2	1738.1	1761.5	1628.2
60°	1343.8	1354.8	1415.2	1444.1	1369.9	1310.8	1496.3	1773.9	1893.4	1916.8	1750.5
62.5°	1276.5	1280.6	1367.2	1430.4	1386.4	1365.8	1596.6	1908.5	2032.2	2030.8	1843.9
65°	1150.1	1156.9	1249.0	1352.0	1356.2	1379.5	1665.3	2018.4	2133.9	2125.6	1874.2
67.5°	987.9	998.9	1091.0	1224.3	1268.2	1350.7	1694.2	2070.7	2175.1	2158.6	1845.3
70°	784.6	812.0	884.9	1025.0	1137.7	1258.6	1655.7	2056.9	2136.6	2114.6	1727.1
72.5°	577.1	589.5	666.4	803.8	942.6	1122.6	1530.7	1942.9	2007.4	1955.2	1541.7
75°	405.3	409.5	474.0	592.2	742.0	937.1	1342.4	1721.6	1767.0	1716.2	1286.1
77.5°	250.1	258.3	309.2	406.7	545.5	747.5	1092.3	1434.5	1463.3	1397.4	1003.0
80°	153.9	159.4	195.1	269.3	379.2	545.5	845.0	1089.6	1099.2	1053.9	717.2
82.5°	98.9	104.4	127.8	173.1	252.8	380.6	595.0	776.3	770.8	722.7	483.7
85°	64.6	68.7	83.8	115.4	167.6	262.4	397.1	515.3	502.9	467.2	314.7
87.5°	42.6	45.3	59.1	81.1	115.4	174.5	255.6	311.9	305.0	281.7	196.5
90°	28.9	30.2	41.2	56.3	81.1	119.5	164.9	188.2	175.9	166.3	127.8
92.5°	20.6	23.4	30.2	42.6	61.8	85.2	107.2	116.8	109.9	105.8	86.6
95°	16.5	16.5	24.7	34.4	48.1	64.6	75.6	75.6	71.4	70.1	63.2
97.5°	13.7	13.7	20.6	28.9	39.8	50.8	55.0	53.6	50.8	52.2	48.1
100°	11.0	12.4	17.9	24.7	33.0	41.2	42.6	39.8	38.5	38.5	37.1
102.5°	9.6	11.0	16.5	22.0	28.9	34.4	35.7	33.0	30.2	30.2	28.9
105°	9.6	9.6	13.7	19.2	24.7	28.9	28.9	26.1	24.7	23.4	22.0
107.5°	8.2	8.2	12.4	17.9	22.0	24.7	24.7	22.0	19.2	19.2	17.9
110°	6.9	8.2	11.0	15.1	19.2	22.0	22.0	19.2	16.5	15.1	15.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	6.9	6.9	9.6	13.7	16.5	19.2	17.9	15.1	13.7	12.4	12.4
115°	6.9	6.9	8.2	12.4	15.1	16.5	16.5	13.7	11.0	11.0	11.0
117.5°	6.9	6.9	8.2	11.0	13.7	15.1	13.7	12.4	9.6	9.6	9.6
120°	6.9	6.9	8.2	9.6	12.4	13.7	12.4	11.0	8.2	8.2	9.6
122.5°	5.5	6.9	6.9	9.6	11.0	12.4	11.0	9.6	8.2	8.2	8.2
125°	5.5	6.9	6.9	8.2	9.6	11.0	9.6	8.2	6.9	6.9	8.2
127.5°	5.5	5.5	6.9	8.2	9.6	9.6	9.6	8.2	6.9	6.9	8.2
130°	5.5	6.9	6.9	6.9	8.2	9.6	8.2	6.9	6.9	6.9	6.9
132.5°	5.5	5.5	6.9	6.9	8.2	8.2	6.9	6.9	5.5	5.5	6.9
135°	5.5	5.5	5.5	6.9	6.9	6.9	6.9	5.5	5.5	5.5	6.9
137.5°	5.5	5.5	5.5	5.5	6.9	6.9	5.5	5.5	5.5	5.5	5.5
140°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.1	5.5	5.5	5.5
142.5°	5.5	5.5	5.5	4.1	5.5	4.1	4.1	4.1	4.1	4.1	5.5
145°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
147.5°	4.1	4.1	4.1	4.1	4.1	4.1	2.7	2.7	4.1	4.1	4.1
150°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
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°	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
2.5°	74.2	74.2	74.2	72.8	72.8	72.8	71.4	71.4	71.4	71.4	71.4
5°	81.1	79.7	78.3	76.9	74.2	74.2	72.8	72.8	71.4	71.4	71.4
7.5°	90.7	89.3	86.6	83.8	81.1	78.3	76.9	75.6	74.2	74.2	74.2
10°	104.4	103.1	97.6	93.4	89.3	86.6	83.8	82.4	81.1	79.7	79.7
12.5°	125.0	123.7	116.8	108.5	101.7	96.2	92.1	90.7	89.3	87.9	89.3
15°	153.9	151.1	141.5	127.8	118.2	108.5	104.4	103.1	104.4	104.4	103.1
17.5°	192.4	185.5	170.4	152.5	137.4	125.0	119.5	119.5	119.5	120.9	120.9
20°	236.3	229.5	207.5	182.7	158.0	142.9	136.0	136.0	137.4	138.8	141.5
22.5°	288.5	277.6	248.7	213.0	181.4	160.8	152.5	152.5	156.6	160.8	160.8
25°	353.1	339.4	296.8	244.6	204.7	178.6	167.6	169.0	175.9	180.0	181.4
27.5°	423.2	405.3	349.0	281.7	225.3	192.4	181.4	184.1	192.4	199.2	199.2
30°	502.9	472.7	397.1	313.3	243.2	203.4	192.4	197.9	207.5	215.7	217.1
32.5°	575.7	545.5	452.1	343.5	258.3	210.2	199.2	207.5	218.5	228.1	228.1
35°	656.8	618.3	497.4	366.9	266.6	214.3	203.4	214.3	226.7	235.0	235.0
37.5°	735.1	681.5	533.1	380.6	269.3	214.3	204.7	218.5	229.5	236.3	237.7
40°	806.6	743.3	559.2	384.7	266.6	211.6	204.7	218.5	229.5	233.6	235.0
42.5°	883.5	795.6	578.5	380.6	259.7	207.5	203.4	217.1	226.7	228.1	229.5
45°	960.4	853.3	584.0	366.9	250.1	202.0	199.2	213.0	221.2	221.2	221.2
47.5°	1044.3	909.6	584.0	350.4	237.7	196.5	196.5	210.2	215.7	214.3	214.3
50°	1132.2	963.2	579.8	331.1	226.7	191.0	192.4	207.5	213.0	208.9	208.9
52.5°	1224.3	1020.9	566.1	307.8	214.3	185.5	191.0	206.1	211.6	207.5	207.5
55°	1335.5	1077.2	551.0	285.8	203.4	181.4	189.6	206.1	211.6	207.5	207.5
57.5°	1413.9	1126.7	527.6	265.2	195.1	178.6	189.6	208.9	214.3	211.6	211.6
60°	1504.6	1159.7	497.4	244.6	186.9	175.9	192.4	211.6	219.8	219.8	219.8
62.5°	1554.0	1167.9	465.8	226.7	181.4	174.5	195.1	217.1	228.1	229.5	230.8
65°	1554.0	1132.2	421.8	211.6	175.9	173.1	197.9	224.0	237.7	241.8	243.2
67.5°	1483.9	1058.0	375.1	197.9	170.4	171.8	200.6	230.8	244.6	251.4	251.4
70°	1368.5	941.2	325.6	184.1	164.9	170.4	202.0	233.6	248.7	255.6	255.6
72.5°	1178.9	805.2	278.9	173.1	159.4	167.6	200.6	233.6	247.3	252.8	251.4
75°	954.9	643.0	233.6	160.8	152.5	160.8	193.7	226.7	237.7	240.5	240.5
77.5°	743.3	490.5	196.5	147.0	142.9	152.5	184.1	213.0	222.6	224.0	222.6
80°	529.0	354.5	164.9	134.7	131.9	140.2	167.6	192.4	200.6	202.0	199.2
82.5°	355.9	254.2	134.7	118.2	118.2	126.4	149.8	169.0	175.9	174.5	173.1
85°	230.8	171.8	109.9	101.7	103.1	111.3	127.8	142.9	147.0	145.6	141.5
87.5°	151.1	120.9	87.9	86.6	87.9	94.8	107.2	115.4	120.9	118.2	116.8
90°	103.1	86.6	71.4	71.4	74.2	79.7	87.9	92.1	93.4	93.4	92.1
92.5°	75.6	67.3	59.1	59.1	63.2	67.3	71.4	72.8	75.6	74.2	72.8
95°	57.7	55.0	49.5	49.5	53.6	57.7	59.1	57.7	60.5	60.5	59.1
97.5°	45.3	45.3	42.6	42.6	45.3	48.1	49.5	48.1	49.5	48.1	48.1
100°	35.7	35.7	37.1	37.1	38.5	41.2	41.2	41.2	41.2	39.8	38.5
102.5°	28.9	30.2	31.6	33.0	34.4	34.4	35.7	34.4	34.4	31.6	31.6
105°	23.4	23.4	26.1	27.5	28.9	30.2	30.2	30.2	28.9	26.1	26.1
107.5°	19.2	20.6	22.0	24.7	24.7	26.1	27.5	26.1	23.4	20.6	22.0
110°	15.1	16.5	19.2	20.6	22.0	23.4	23.4	22.0	19.2	17.9	17.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.7	13.7	16.5	17.9	19.2	20.6	20.6	19.2	16.5	15.1	15.1
115°	12.4	12.4	13.7	15.1	16.5	17.9	17.9	16.5	13.7	12.4	12.4
117.5°	11.0	11.0	12.4	13.7	15.1	16.5	15.1	15.1	12.4	11.0	11.0
120°	9.6	11.0	11.0	12.4	13.7	13.7	13.7	12.4	11.0	11.0	11.0
122.5°	9.6	9.6	11.0	11.0	12.4	12.4	12.4	11.0	9.6	9.6	9.6
125°	8.2	9.6	9.6	9.6	11.0	11.0	11.0	9.6	8.2	8.2	8.2
127.5°	8.2	8.2	8.2	9.6	9.6	9.6	9.6	8.2	8.2	8.2	8.2
130°	8.2	8.2	8.2	8.2	8.2	9.6	8.2	8.2	6.9	8.2	8.2
132.5°	6.9	6.9	6.9	8.2	8.2	8.2	8.2	6.9	6.9	6.9	6.9
135°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
137.5°	6.9	6.9	6.9	6.9	6.9	6.9	5.5	5.5	5.5	6.9	6.9
140°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
142.5°	5.5	5.5	5.5	4.1	4.1	4.1	4.1	4.1	4.1	5.5	5.5
145°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
147.5°	4.1	4.1	4.1	2.7	2.7	2.7	2.7	4.1	4.1	4.1	4.1
150°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1	4.1
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)