

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: P695057

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T4W-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695057
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-PA16-40-727-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA 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: 3955.9 lumens
Efficiency: N/A
Efficacy: 98.4 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: B1 - U3 - G2

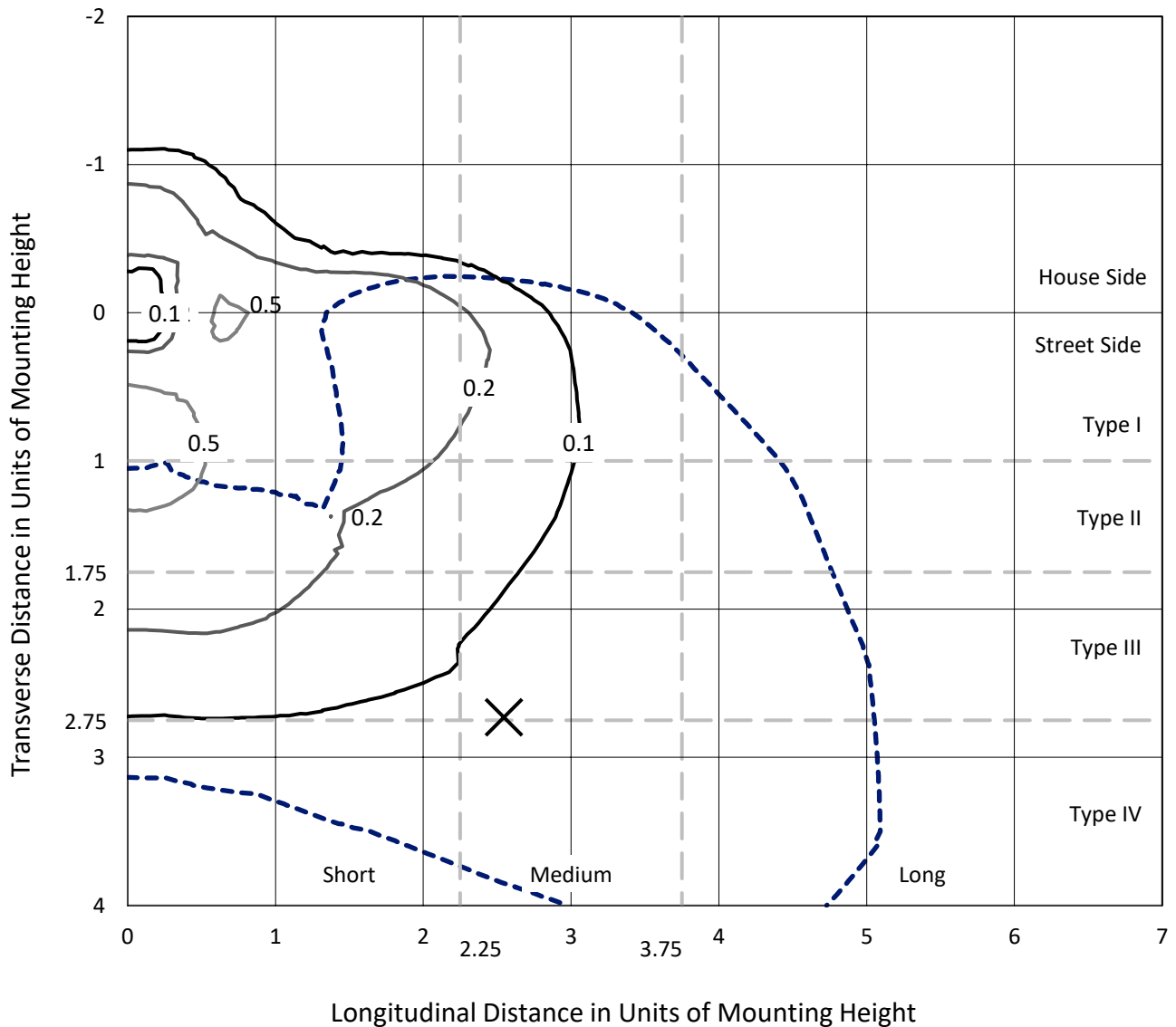
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

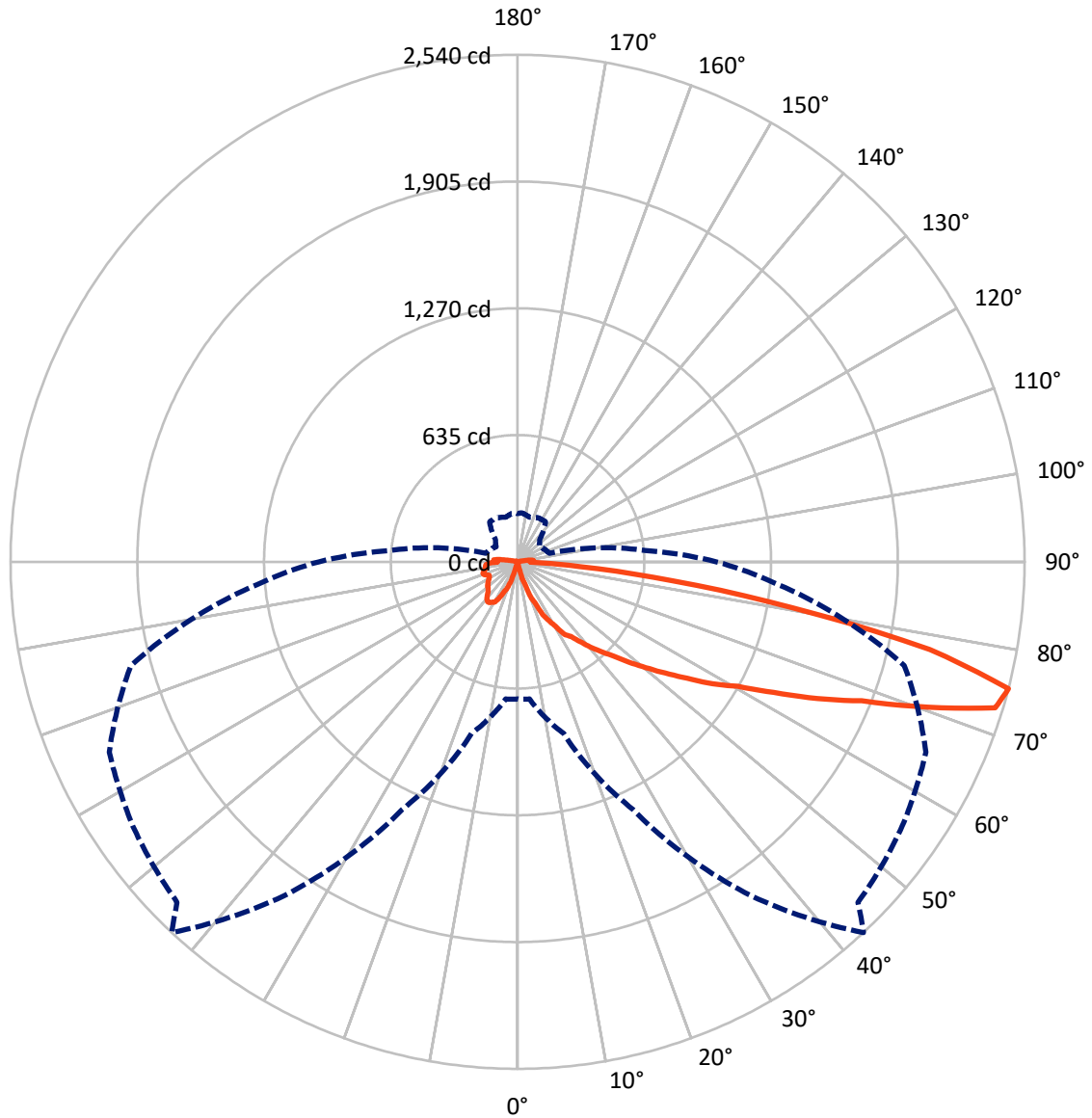
× Max cd
 - - - 1/2 Max cd



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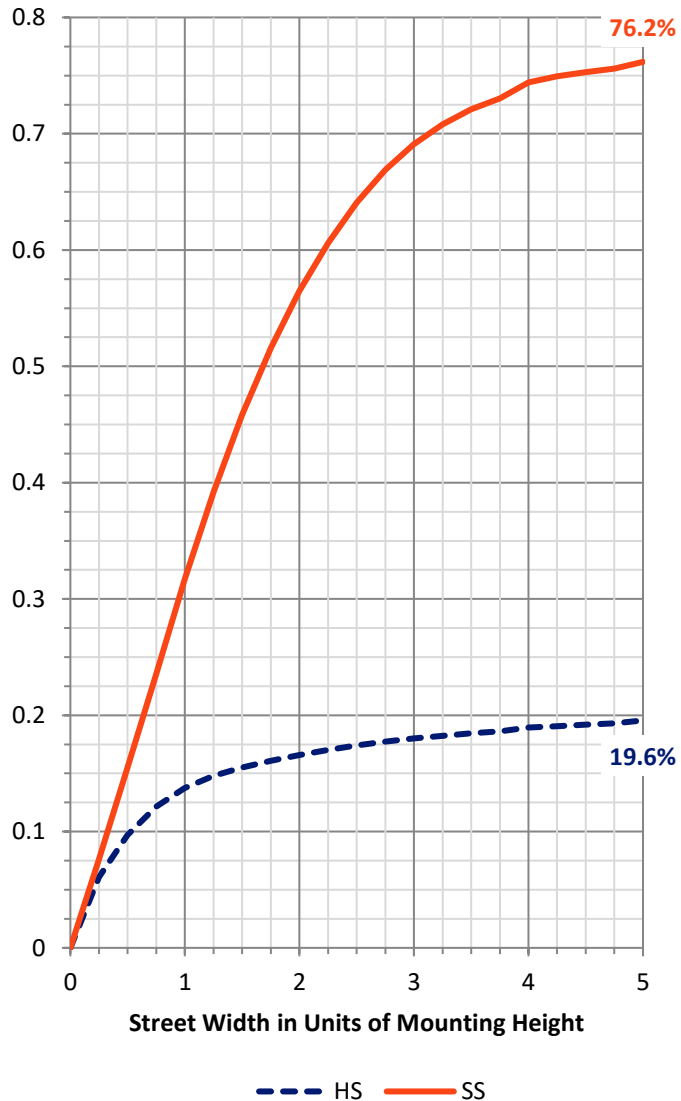
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	824.2	55.5	879.7
	% Fixture	20.8	1.4	22.2
Street Side	Lumens	3036.0	40.2	3076.2
	% Fixture	76.7	1.0	77.8
Total	Lumens	3860.2	95.7	3955.9
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	23.5	0.6
20°-30°	128.5	3.2
30°-40°	300.8	7.6
40°-50°	455.7	11.5
50°-60°	708.8	17.9
60°-70°	1067.7	27.0
70°-80°	960.8	24.3
80°-90°	214.1	5.4
90°-100°	73.7	1.9
100°-110°	12.1	0.3
110°-120°	3.9	0.1
120°-130°	2.9	0.1
130°-140°	1.8	0.0
140°-150°	1.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3860.2	97.6
0°-180°	3955.9	100.0

Coefficient of Utilization

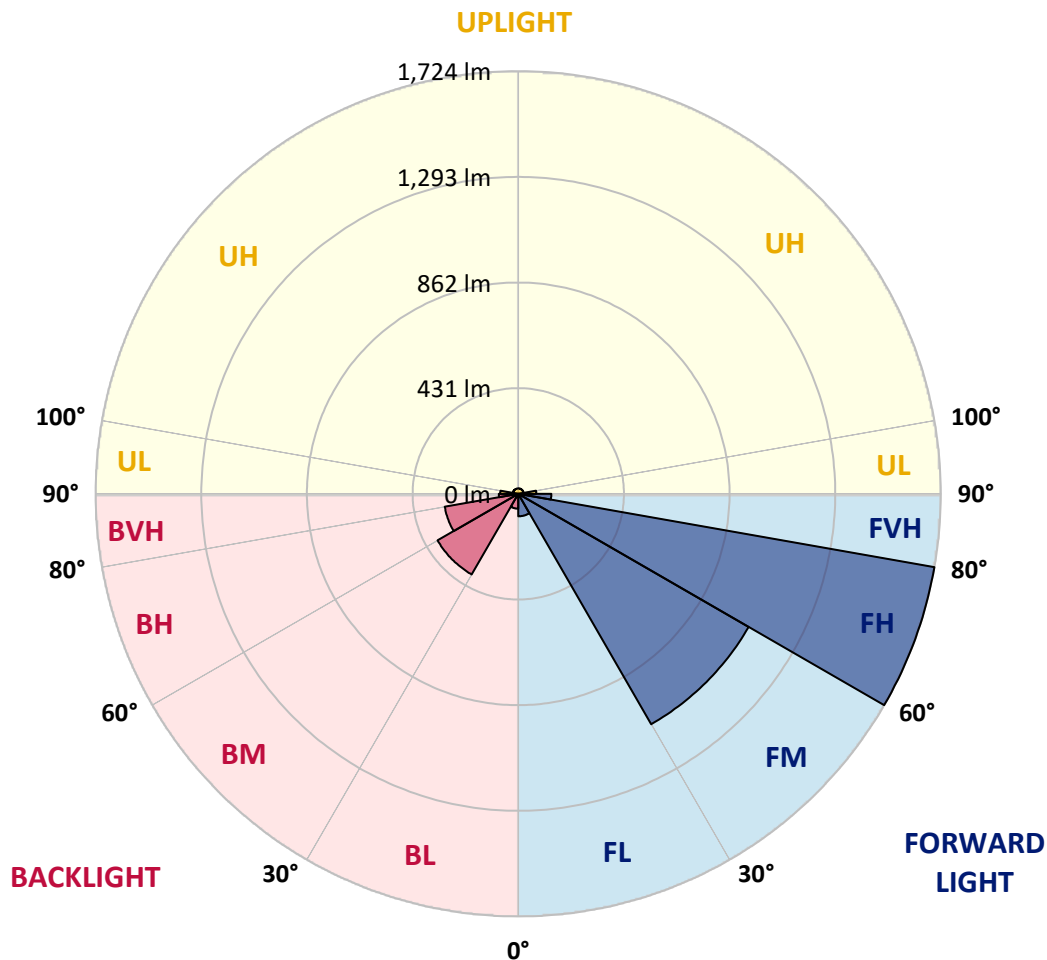


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	91.7	2.3			
FM (30°-60°)	1085.4	27.4			
FH (60°-80°)	1724.0	43.6			G1/1800
FVH (80°-90°)	134.9	3.4			G2/225
BL (0°-30°)	60.7	1.5	B0/110		
BM (30°-60°)	379.9	9.6	B1/1000		
BH (60°-80°)	304.5	7.7	B1/500		G1/500
BVH (80°-90°)	79.3	2.0			G1/100
UL (90°-100°)	73.7	1.9		U3/500	
UH (100°-180°)	22.1	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	2.7	2.7	1.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
7.5°	4.1	4.1	2.7	2.7	4.1	2.7	2.7	2.7	2.7	2.7	2.7
10°	27.5	27.5	24.7	15.1	6.9	4.1	4.1	4.1	2.7	4.1	4.1
12.5°	114.1	114.1	105.8	98.9	30.2	17.9	12.4	6.9	12.4	17.9	23.4
15°	136.0	136.0	130.6	118.2	109.9	86.6	56.3	33.0	89.3	94.8	93.4
17.5°	247.4	213.0	169.0	147.0	123.7	112.7	126.4	103.1	112.7	115.4	114.1
20°	290.0	284.5	272.1	258.4	156.7	191.0	177.3	175.9	137.4	177.3	208.9
22.5°	313.3	313.3	292.7	274.8	279.0	219.9	207.5	199.3	229.5	250.1	248.7
25°	435.6	435.6	417.8	303.7	294.1	292.7	270.7	287.2	288.6	287.2	290.0
27.5°	461.7	457.6	441.1	404.0	327.1	333.9	339.4	320.2	355.9	416.4	412.3
30°	659.6	636.3	516.7	434.3	408.1	373.8	361.4	388.9	426.0	441.1	443.9
32.5°	765.5	757.2	702.2	578.6	452.1	435.6	412.3	434.3	442.5	542.8	584.1
35°	883.6	868.5	820.4	654.1	546.9	459.0	449.4	437.0	523.6	568.9	608.8
37.5°	973.0	971.6	929.0	744.8	607.4	505.7	474.1	486.5	541.5	596.4	633.5
40°	1049.9	1044.4	1025.2	828.7	658.3	560.7	505.7	515.3	567.6	622.5	665.1
42.5°	1131.0	1126.9	1128.3	898.8	722.9	615.7	549.7	542.8	599.2	665.1	713.2
45°	1224.4	1221.7	1217.6	1003.2	795.7	672.0	606.0	586.8	662.4	718.7	776.4
47.5°	1264.3	1258.8	1287.7	1092.5	876.8	750.3	667.9	644.5	732.5	798.4	878.1
50°	1315.1	1309.7	1327.5	1183.2	973.0	832.8	750.3	714.6	817.7	908.4	1011.4
52.5°	1411.3	1460.8	1390.7	1282.2	1106.3	924.9	832.8	805.3	931.7	1055.4	1229.9
55°	1526.8	1515.8	1478.7	1396.2	1228.6	1029.3	923.5	908.4	1084.3	1240.9	1455.3
57.5°	1548.8	1536.4	1566.6	1513.0	1370.1	1153.0	1027.9	1034.8	1238.2	1434.7	1708.2
60°	1599.6	1591.4	1647.7	1676.6	1515.8	1267.0	1136.5	1202.5	1396.2	1632.6	1952.8
62.5°	1653.2	1662.8	1746.7	1789.3	1613.4	1440.2	1284.9	1393.5	1638.1	1847.0	2169.9
65°	1645.0	1658.7	1831.9	1853.8	1732.9	1650.5	1469.1	1610.6	1860.7	2068.2	2328.0
67.5°	1603.7	1617.5	1852.5	1941.8	1896.5	1859.3	1679.3	1845.6	2066.9	2218.0	2377.4
70°	1518.5	1519.9	1752.2	2011.9	2097.1	2180.9	1967.9	2076.5	2268.9	2348.6	2255.1
72.5°	1228.6	1238.2	1456.7	1874.5	2244.1	2501.1	2295.0	2292.2	2377.4	2310.1	1855.2
75°	687.1	689.9	890.5	1370.1	2043.5	2539.6	2411.8	2341.7	2256.5	2005.0	1311.0
77.5°	208.9	233.6	312.0	696.7	1430.6	2110.8	2076.5	2060.0	1886.8	1414.1	713.2
80°	105.8	109.9	140.2	240.5	739.3	1397.6	1427.8	1478.7	1176.3	610.2	331.2
82.5°	60.5	63.2	85.2	127.8	314.7	780.6	857.5	808.1	505.7	287.2	229.5
85°	30.2	30.2	39.9	59.1	147.0	309.2	358.7	290.0	218.5	189.6	185.5
87.5°	16.5	16.5	13.7	17.9	45.3	68.7	79.7	108.6	116.8	119.6	158.0
90°	17.9	17.9	13.7	15.1	33.0	61.8	88.0	105.8	108.6	114.1	160.8
92.5°	17.9	17.9	13.7	13.7	30.2	72.8	100.3	115.4	112.7	122.3	164.9
95°	17.9	16.5	12.4	13.7	26.1	78.3	94.8	122.3	108.6	109.9	137.4
97.5°	11.0	11.0	8.2	11.0	19.2	60.5	66.0	88.0	74.2	49.5	64.6
100°	8.2	8.2	5.5	8.2	11.0	28.9	27.5	42.6	33.0	11.0	16.5
102.5°	8.2	9.6	5.5	5.5	6.9	8.2	9.6	13.7	13.7	8.2	11.0
105°	9.6	9.6	4.1	4.1	4.1	4.1	5.5	5.5	5.5	6.9	11.0
107.5°	8.2	8.2	4.1	2.7	2.7	4.1	4.1	2.7	4.1	5.5	12.4
110°	5.5	5.5	2.7	2.7	2.7	2.7	2.7	2.7	4.1	5.5	9.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	2.7	4.1	1.4	2.7	1.4	2.7	2.7	2.7	2.7	4.1	5.5
115°	4.1	2.7	1.4	1.4	1.4	2.7	2.7	2.7	2.7	4.1	5.5
117.5°	4.1	2.7	1.4	1.4	1.4	1.4	1.4	1.4	2.7	4.1	6.9
120°	4.1	4.1	1.4	1.4	1.4	1.4	1.4	1.4	2.7	4.1	5.5
122.5°	4.1	4.1	1.4	1.4	1.4	1.4	1.4	1.4	2.7	4.1	5.5
125°	4.1	2.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.1	5.5
127.5°	4.1	2.7	1.4	1.4	1.4	1.4	1.4	1.4	2.7	4.1	5.5
130°	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.7	5.5
132.5°	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.7	4.1
135°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.7	2.7
137.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.7	2.7
140°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.7	2.7	2.7
142.5°	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4	2.7	2.7	2.7
145°	2.7	2.7	2.7	1.4	1.4	1.4	1.4	1.4	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	1.4	1.4	1.4	1.4	2.7	2.7	2.7
150°	2.7	2.7	2.7	1.4	1.4	1.4	1.4	1.4	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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	2.7	2.7	2.7	1.4	1.4	1.4	2.7	2.7	2.7	2.7	2.7
5°	2.7	2.7	2.7	2.7	1.4	2.7	2.7	2.7	2.7	2.7	2.7
7.5°	2.7	2.7	2.7	2.7	1.4	1.4	2.7	2.7	2.7	2.7	2.7
10°	4.1	4.1	2.7	2.7	2.7	1.4	2.7	2.7	2.7	2.7	2.7
12.5°	24.7	23.4	16.5	9.6	4.1	2.7	2.7	2.7	4.1	5.5	5.5
15°	94.8	92.1	89.3	81.1	23.4	5.5	4.1	12.4	48.1	67.3	78.3
17.5°	111.3	109.9	107.2	101.7	93.4	31.6	41.2	88.0	104.4	107.2	109.9
20°	204.8	200.6	155.3	116.8	107.2	112.7	98.9	109.9	115.4	119.6	123.7
22.5°	243.2	239.1	226.7	207.5	127.8	148.4	142.9	126.4	192.4	207.5	210.3
25°	284.5	277.6	251.5	230.9	213.0	164.9	177.3	200.6	217.1	228.1	228.1
27.5°	405.4	391.7	358.7	254.2	236.4	202.0	217.1	213.0	240.5	295.5	299.6
30°	438.4	423.3	376.5	314.7	251.5	233.6	224.0	274.8	310.6	322.9	327.1
32.5°	584.1	570.3	487.9	324.3	276.2	233.6	259.7	285.8	310.6	368.3	373.8
35°	612.9	590.9	505.7	373.8	274.8	244.6	261.1	291.3	360.1	386.2	391.7
37.5°	641.8	619.8	504.3	358.7	292.7	248.7	255.6	298.2	335.3	353.2	357.3
40°	681.6	648.6	494.7	333.9	279.0	239.1	252.9	280.3	302.3	307.8	312.0
42.5°	733.8	688.5	483.7	309.2	258.4	224.0	236.4	257.0	270.7	262.5	262.5
45°	806.7	736.6	463.1	284.5	239.1	207.5	222.6	237.7	244.6	229.5	225.4
47.5°	897.4	794.3	441.1	261.1	226.7	197.9	214.4	226.7	226.7	206.1	203.4
50°	1007.3	865.8	412.3	241.9	213.0	192.4	206.1	217.1	210.3	189.6	188.3
52.5°	1175.0	974.3	384.8	225.4	200.6	186.9	204.8	203.4	193.8	175.9	174.5
55°	1382.5	1115.9	360.1	213.0	192.4	177.3	200.6	195.1	184.1	167.7	167.7
57.5°	1588.6	1271.2	333.9	204.8	182.8	169.0	193.8	191.0	178.7	162.2	160.8
60°	1790.6	1414.1	295.5	197.9	170.4	160.8	185.5	192.4	175.9	159.4	159.4
62.5°	1954.2	1482.8	252.9	186.9	158.0	155.3	181.4	197.9	189.6	182.8	182.8
65°	2007.8	1441.6	219.9	178.7	149.8	151.2	182.8	218.5	221.3	229.5	230.9
67.5°	1970.7	1324.8	197.9	171.8	144.3	158.0	208.9	246.0	239.1	244.6	247.4
70°	1809.9	1153.0	185.5	163.5	144.3	169.0	229.5	246.0	236.4	252.9	254.2
72.5°	1469.1	933.1	174.5	156.7	138.8	167.7	241.9	243.2	236.4	255.6	252.9
75°	996.3	643.1	164.9	148.4	131.9	155.3	244.6	243.2	230.9	246.0	241.9
77.5°	503.0	327.1	152.5	138.8	122.3	148.4	241.9	244.6	228.1	240.5	236.4
80°	255.6	210.3	136.0	127.8	111.3	145.7	236.4	241.9	218.5	229.5	228.1
82.5°	196.5	164.9	114.1	111.3	101.7	142.9	228.1	233.6	207.5	215.8	210.3
85°	160.8	130.6	83.8	86.6	92.1	144.3	226.7	230.9	200.6	196.5	193.8
87.5°	136.0	100.3	41.2	44.0	67.3	129.2	193.8	191.0	156.7	155.3	158.0
90°	136.0	92.1	27.5	27.5	55.0	92.1	127.8	115.4	108.6	115.4	114.1
92.5°	134.7	83.8	28.9	28.9	61.8	101.7	144.3	119.6	111.3	114.1	112.7
95°	111.3	68.7	33.0	31.6	53.6	112.7	149.8	122.3	114.1	109.9	109.9
97.5°	56.3	38.5	31.6	31.6	42.6	92.1	119.6	96.2	72.8	60.5	64.6
100°	13.7	15.1	30.2	30.2	26.1	46.7	66.0	59.1	30.2	15.1	13.7
102.5°	11.0	9.6	23.4	26.1	16.5	16.5	30.2	34.4	23.4	6.9	6.9
105°	11.0	9.6	11.0	13.7	8.2	6.9	11.0	19.2	11.0	6.9	6.9
107.5°	12.4	11.0	5.5	5.5	5.5	5.5	5.5	6.9	5.5	6.9	6.9
110°	11.0	9.6	5.5	5.5	4.1	5.5	4.1	5.5	5.5	6.9	6.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.9	6.9	4.1	4.1	4.1	4.1	4.1	4.1	5.5	6.9	6.9
115°	6.9	6.9	4.1	4.1	2.7	4.1	4.1	4.1	5.5	8.2	8.2
117.5°	6.9	5.5	4.1	2.7	2.7	2.7	2.7	4.1	5.5	8.2	8.2
120°	6.9	5.5	4.1	2.7	2.7	2.7	2.7	2.7	5.5	8.2	8.2
122.5°	6.9	5.5	4.1	2.7	2.7	2.7	2.7	2.7	5.5	8.2	8.2
125°	5.5	5.5	4.1	2.7	2.7	2.7	2.7	2.7	4.1	8.2	8.2
127.5°	5.5	5.5	4.1	2.7	2.7	2.7	2.7	2.7	4.1	6.9	8.2
130°	5.5	5.5	2.7	2.7	1.4	1.4	2.7	2.7	4.1	6.9	6.9
132.5°	4.1	4.1	2.7	1.4	1.4	1.4	2.7	2.7	4.1	6.9	6.9
135°	4.1	2.7	2.7	1.4	1.4	1.4	1.4	2.7	4.1	5.5	5.5
137.5°	2.7	2.7	2.7	1.4	1.4	1.4	1.4	2.7	2.7	4.1	4.1
140°	2.7	2.7	2.7	1.4	1.4	1.4	1.4	2.7	2.7	4.1	4.1
142.5°	2.7	2.7	2.7	1.4	1.4	1.4	1.4	2.7	2.7	4.1	4.1
145°	2.7	2.7	2.7	1.4	1.4	1.4	1.4	2.7	2.7	4.1	4.1
147.5°	2.7	2.7	2.7	1.4	1.4	1.4	1.4	2.7	2.7	4.1	4.1
150°	2.7	2.7	2.7	1.4	1.4	1.4	1.4	2.7	2.7	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)