

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: P695036

Luminaire Tested: **LXF.LXT-PA16-40-727-U-SL3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-27)
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-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3636 lumens
Efficiency: N/A
Efficacy: 90.4 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 - G3

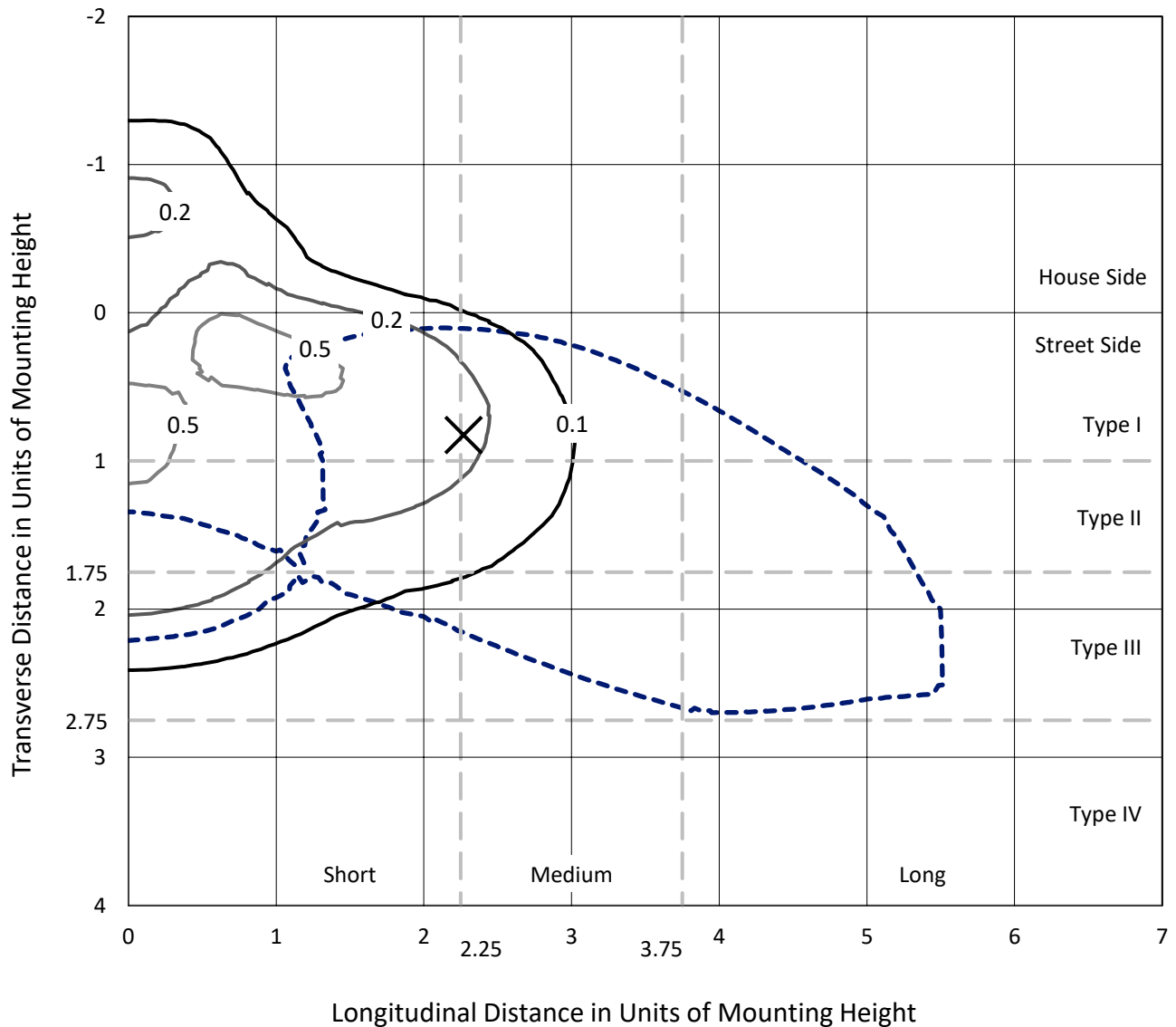
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

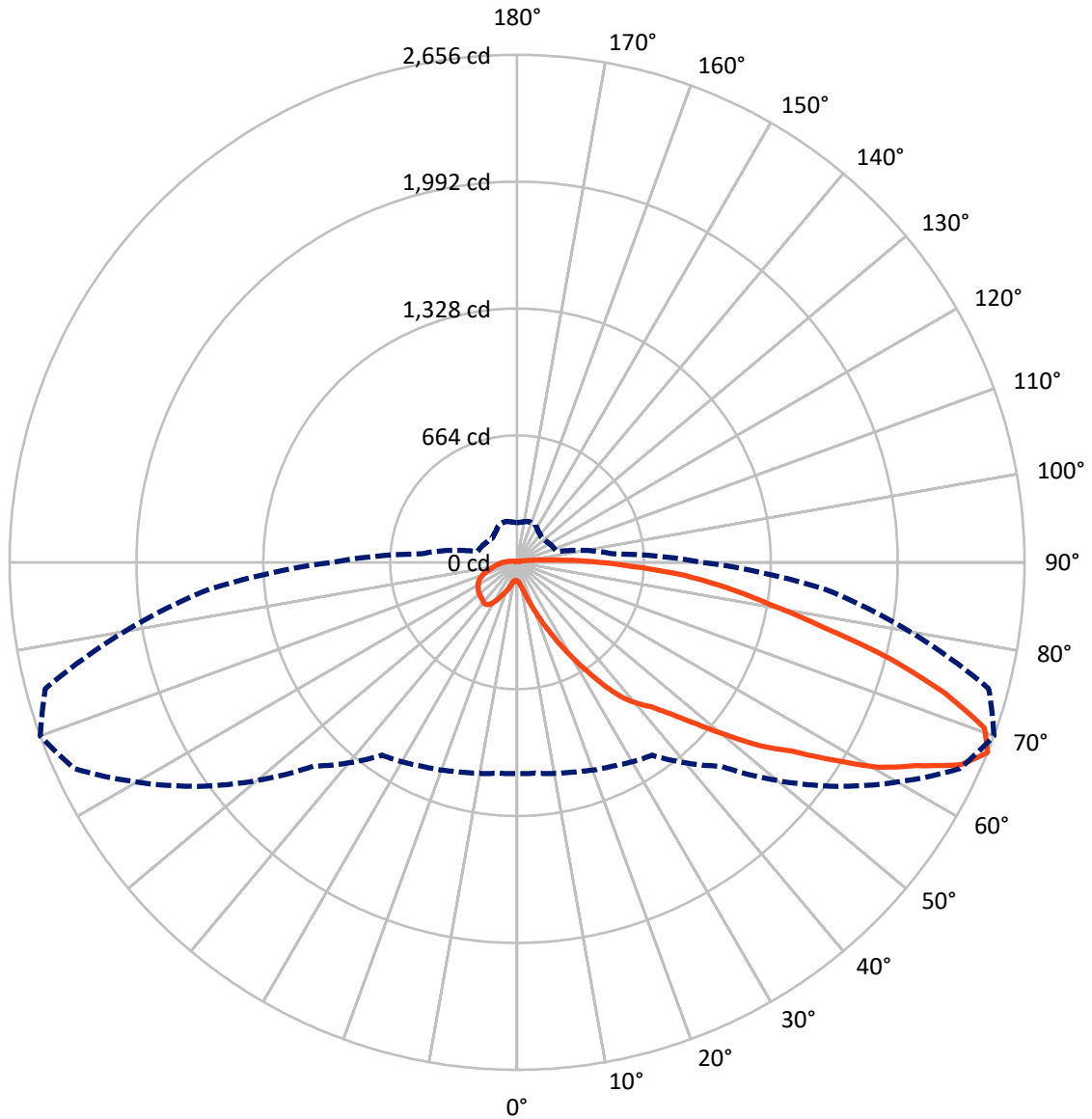
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - 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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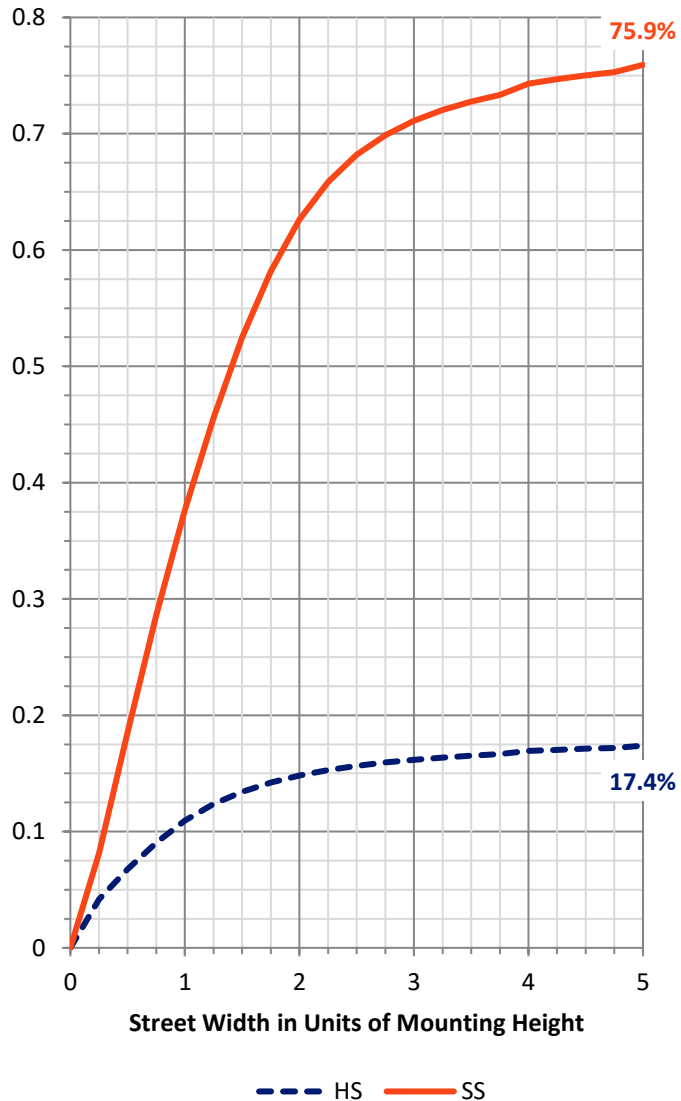
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	664.2	59.3	723.5
	% Fixture	18.3	1.6	19.9
Street Side	Lumens	2836.7	75.8	2912.5
	% Fixture	78.0	2.1	80.1
Total	Lumens	3500.9	135.1	3636.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.3
10°-20°	44.3	1.2
20°-30°	131.1	3.6
30°-40°	286.6	7.9
40°-50°	451.1	12.4
50°-60°	697.6	19.2
60°-70°	932.3	25.6
70°-80°	659.7	18.1
80°-90°	288.1	7.9
90°-100°	81.1	2.2
100°-110°	26.0	0.7
110°-120°	12.7	0.3
120°-130°	7.8	0.2
130°-140°	5.1	0.1
140°-150°	2.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3500.9	96.3
0°-180°	3636.0	100.0

Coefficient of Utilization

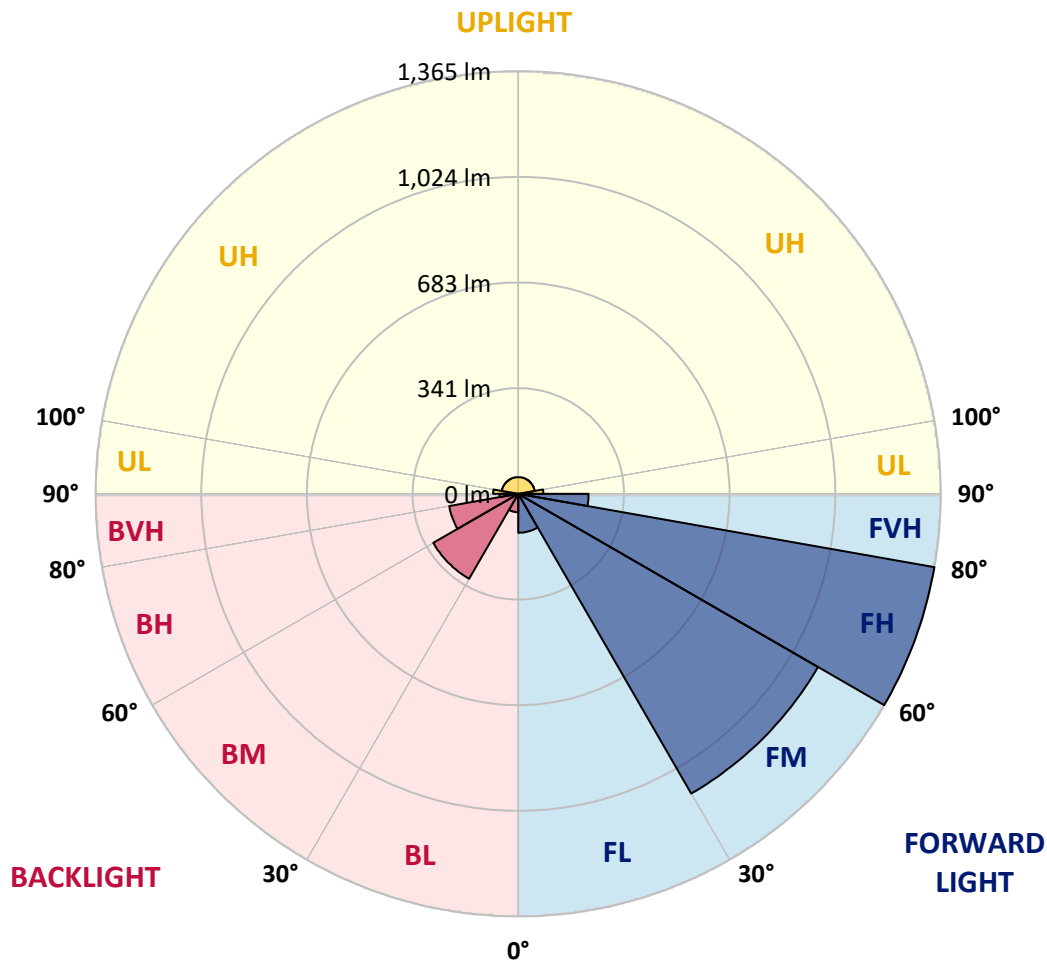


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.8	3.5			
FM (30°-60°)	1118.2	30.8			
FH (60°-80°)	1365.5	37.6			G1/1800
FVH (80°-90°)	227.2	6.2			G3/500
BL (0°-30°)	59.7	1.6	B0/110		
BM (30°-60°)	317.1	8.7	B1/1000		
BH (60°-80°)	226.5	6.2	B1/500		G1/500
BVH (80°-90°)	60.9	1.7			G1/100
UL (90°-100°)	81.1	2.2		U3/500	
UH (100°-180°)	54.0	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2.5°	104.4	104.4	105.8	104.4	104.4	104.4	103.1	101.7	100.3	100.3	98.9
5°	115.4	115.4	115.4	115.4	114.1	112.7	111.3	108.6	107.2	105.8	103.1
7.5°	129.2	129.2	129.2	129.2	127.8	126.4	122.3	118.2	116.8	115.4	109.9
10°	149.8	149.8	149.8	147.0	145.7	142.9	138.8	134.7	131.9	129.2	120.9
12.5°	177.3	175.9	175.9	173.1	167.7	162.2	160.8	156.7	153.9	151.2	141.5
15°	211.6	211.6	211.6	204.8	199.3	193.8	192.4	188.3	188.3	184.1	171.8
17.5°	250.1	250.1	244.6	237.7	233.6	230.9	232.2	230.9	229.5	224.0	207.5
20°	292.7	291.3	284.5	274.8	269.3	272.1	276.2	280.3	279.0	272.1	248.7
22.5°	347.7	344.9	332.6	318.8	306.4	310.6	324.3	338.0	342.2	331.2	302.3
25°	406.8	406.8	388.9	368.3	353.2	351.8	371.0	409.5	412.3	410.9	369.7
27.5°	485.1	481.0	456.2	426.0	397.1	398.5	428.7	479.6	496.1	494.7	439.7
30°	570.3	568.9	540.1	496.1	446.6	439.7	489.2	566.2	586.8	595.0	520.8
32.5°	636.2	643.1	607.4	564.8	500.2	482.3	544.2	647.2	688.5	691.2	596.4
35°	710.5	710.5	676.1	622.5	546.9	523.6	600.5	735.2	798.4	803.9	673.3
37.5°	740.7	750.3	724.2	673.3	590.9	559.3	658.2	834.1	898.7	918.0	729.7
40°	780.5	788.8	759.9	705.0	626.6	596.4	707.7	908.3	971.5	981.2	747.6
42.5°	857.5	864.4	821.8	744.8	656.9	628.0	743.4	957.8	1034.8	1049.9	777.8
45°	935.8	942.7	904.2	813.5	695.3	658.2	777.8	1038.9	1132.3	1146.1	823.1
47.5°	1041.6	1044.4	993.5	890.5	753.1	694.0	830.0	1147.4	1264.2	1280.7	885.0
50°	1157.1	1161.2	1095.2	979.8	819.0	754.4	904.2	1271.1	1420.9	1447.0	974.3
52.5°	1272.5	1260.1	1201.0	1081.5	907.0	827.3	990.8	1429.1	1595.4	1610.5	1056.7
55°	1403.0	1383.8	1309.6	1172.2	1004.5	920.7	1125.5	1581.7	1743.8	1754.8	1147.4
57.5°	1539.1	1521.2	1426.4	1272.5	1103.5	1054.0	1273.9	1749.3	1951.3	1980.2	1286.2
60°	1562.4	1552.8	1484.1	1365.9	1213.4	1198.3	1455.3	1970.6	2179.5	2180.8	1403.0
62.5°	1533.6	1529.5	1466.3	1385.2	1297.2	1348.1	1697.1	2180.8	2344.4	2329.2	1507.5
65°	1394.8	1379.7	1379.7	1339.8	1319.2	1484.1	1910.1	2380.1	2554.6	2507.9	1606.4
67.5°	1106.2	1107.6	1136.4	1177.7	1232.6	1508.9	2044.8	2556.0	2656.3	2556.0	1617.4
70°	779.2	799.8	861.6	953.7	1062.2	1397.5	2051.7	2535.4	2594.5	2495.5	1546.0
72.5°	570.3	553.8	601.9	685.7	849.2	1202.4	1875.8	2338.9	2341.6	2195.9	1338.5
75°	386.1	387.5	421.9	494.7	617.0	978.4	1629.8	2025.5	2017.3	1849.6	1115.8
77.5°	257.0	259.7	291.3	349.0	464.5	784.7	1363.2	1675.1	1638.0	1524.0	894.6
80°	175.9	182.8	200.6	241.9	338.0	621.1	1118.6	1374.2	1343.9	1234.0	721.4
82.5°	126.4	127.8	145.7	177.3	241.9	475.5	911.1	1152.9	1111.7	993.5	575.8
85°	96.2	96.2	108.6	130.5	174.5	362.8	726.9	918.0	880.8	768.2	430.1
87.5°	70.1	71.5	79.7	98.9	129.2	274.8	557.9	659.6	600.5	530.4	295.4
90°	45.3	48.1	53.6	71.5	96.2	195.1	388.9	431.5	391.6	328.4	191.0
92.5°	28.9	28.9	34.4	48.1	70.1	133.3	244.6	255.6	221.2	200.6	116.8
95°	19.2	20.6	24.7	33.0	49.5	90.7	147.0	148.4	130.5	109.9	74.2
97.5°	16.5	16.5	19.2	24.7	37.1	61.8	86.6	83.8	75.6	67.3	52.2
100°	13.7	13.7	16.5	20.6	30.2	45.3	55.0	53.6	49.5	48.1	41.2
102.5°	12.4	12.4	13.7	17.9	24.7	35.7	39.9	37.1	35.7	35.7	31.6
105°	11.0	11.0	12.4	15.1	20.6	28.9	30.2	27.5	27.5	26.1	24.7
107.5°	9.6	9.6	11.0	12.4	17.9	23.4	23.4	20.6	20.6	20.6	20.6
110°	9.6	9.6	9.6	11.0	15.1	19.2	19.2	16.5	16.5	15.1	16.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	8.2	8.2	8.2	11.0	13.7	16.5	15.1	13.7	12.4	12.4	13.7
115°	8.2	6.9	8.2	9.6	12.4	13.7	13.7	11.0	11.0	11.0	12.4
117.5°	6.9	6.9	6.9	8.2	11.0	12.4	11.0	9.6	9.6	9.6	11.0
120°	6.9	6.9	6.9	8.2	11.0	11.0	9.6	8.2	8.2	8.2	9.6
122.5°	6.9	6.9	6.9	8.2	9.6	9.6	9.6	8.2	8.2	8.2	9.6
125°	6.9	6.9	6.9	8.2	9.6	9.6	8.2	6.9	6.9	6.9	9.6
127.5°	6.9	6.9	6.9	8.2	8.2	8.2	6.9	6.9	6.9	6.9	8.2
130°	6.9	6.9	6.9	8.2	8.2	6.9	6.9	6.9	6.9	6.9	8.2
132.5°	6.9	6.9	6.9	8.2	8.2	6.9	6.9	5.5	6.9	6.9	8.2
135°	6.9	6.9	6.9	6.9	6.9	5.5	5.5	5.5	5.5	6.9	6.9
137.5°	6.9	6.9	6.9	6.9	6.9	5.5	4.1	5.5	5.5	5.5	6.9
140°	5.5	5.5	5.5	5.5	5.5	4.1	4.1	4.1	4.1	5.5	5.5
142.5°	5.5	5.5	5.5	5.5	4.1	4.1	2.7	4.1	4.1	4.1	5.5
145°	4.1	4.1	4.1	4.1	4.1	2.7	2.7	2.7	2.7	4.1	4.1
147.5°	4.1	4.1	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	2.7	2.7	2.7	2.7	2.7	2.7	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°	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2.5°	98.9	97.6	97.6	96.2	94.8	94.8	94.8	94.8	93.4	93.4	93.4
5°	101.7	100.3	97.6	94.8	92.1	89.3	89.3	87.9	87.9	86.6	85.2
7.5°	107.2	104.4	98.9	94.8	90.7	86.6	85.2	83.8	82.5	81.1	81.1
10°	118.2	112.7	104.4	96.2	89.3	83.8	81.1	79.7	78.3	77.0	77.0
12.5°	134.7	129.2	115.4	101.7	90.7	83.8	79.7	78.3	77.0	77.0	77.0
15°	162.2	152.5	131.9	112.7	94.8	85.2	81.1	82.5	85.2	85.2	85.2
17.5°	193.8	181.4	151.2	125.1	103.1	92.1	89.3	92.1	94.8	96.2	96.2
20°	230.9	211.6	171.8	137.4	112.7	104.4	101.7	104.4	108.6	111.3	111.3
22.5°	277.6	247.4	193.8	149.8	125.1	116.8	115.4	118.2	123.7	129.2	127.8
25°	331.2	291.3	218.5	163.5	141.5	130.5	131.9	137.4	147.0	152.5	155.3
27.5°	390.3	336.7	243.2	182.8	156.7	145.7	148.4	158.0	173.1	182.8	182.8
30°	453.5	380.6	268.0	202.0	173.1	160.8	166.3	184.1	200.6	213.0	213.0
32.5°	515.3	423.2	287.2	224.0	191.0	175.9	184.1	207.5	229.5	243.2	244.6
35°	563.4	449.4	296.8	240.5	206.1	188.3	199.3	232.2	261.1	276.2	277.6
37.5°	590.9	457.6	298.2	252.8	218.5	199.3	214.4	252.8	284.5	299.6	299.6
40°	586.8	441.1	288.6	259.7	226.7	208.9	228.1	272.1	303.7	314.7	311.9
42.5°	595.0	434.2	281.7	257.0	229.5	214.4	236.4	281.7	307.8	311.9	309.2
45°	604.6	424.6	274.8	254.2	228.1	217.1	240.5	281.7	303.7	302.3	299.6
47.5°	630.7	423.2	270.7	252.8	226.7	215.7	240.5	280.3	296.8	290.0	287.2
50°	666.5	428.7	268.0	250.1	225.4	213.0	237.7	277.6	292.7	285.8	283.1
52.5°	699.5	431.5	262.5	247.4	224.0	211.6	236.4	277.6	290.0	276.2	272.1
55°	742.1	445.2	255.6	241.9	221.2	208.9	235.0	274.8	277.6	261.1	258.3
57.5°	820.4	471.3	250.1	235.0	217.1	207.5	232.2	265.2	269.3	254.2	250.1
60°	878.1	490.6	244.6	229.5	210.2	203.4	225.4	259.7	261.1	240.5	236.4
62.5°	928.9	504.3	235.0	222.6	206.1	199.3	218.5	247.4	243.2	225.4	224.0
65°	978.4	515.3	228.1	213.0	197.9	191.0	210.2	230.9	232.2	217.1	214.4
67.5°	968.8	504.3	214.4	202.0	188.3	181.4	195.1	219.9	221.2	210.2	207.5
70°	911.1	467.2	197.9	189.6	174.5	167.7	180.0	204.8	208.9	200.6	199.3
72.5°	788.8	404.0	175.9	171.8	159.4	152.5	164.9	185.5	192.4	185.5	182.8
75°	663.7	340.8	156.7	152.5	144.3	137.4	147.0	166.3	174.5	173.1	173.1
77.5°	531.8	273.5	138.8	136.0	129.2	123.7	131.9	148.4	159.4	160.8	158.0
80°	427.4	222.6	122.3	120.9	116.8	112.7	116.8	130.5	142.9	145.7	144.3
82.5°	343.5	185.5	108.6	108.6	104.4	101.7	104.4	116.8	131.9	137.4	136.0
85°	263.8	152.5	97.6	96.2	93.4	92.1	94.8	103.1	119.6	126.4	126.4
87.5°	192.4	120.9	86.6	83.8	82.5	82.5	83.8	92.1	107.2	112.7	111.3
90°	133.3	93.4	74.2	71.5	70.1	71.5	74.2	81.1	92.1	93.4	93.4
92.5°	90.7	71.5	61.8	59.1	59.1	61.8	64.6	70.1	77.0	75.6	74.2
95°	63.2	53.6	49.5	48.1	48.1	50.8	53.6	59.1	63.2	60.5	59.1
97.5°	46.7	42.6	41.2	39.9	38.5	42.6	44.0	46.7	50.8	49.5	48.1
100°	37.1	35.7	34.4	33.0	31.6	34.4	35.7	38.5	41.2	38.5	38.5
102.5°	30.2	30.2	28.9	27.5	27.5	28.9	30.2	31.6	33.0	31.6	30.2
105°	24.7	24.7	24.7	23.4	23.4	24.7	26.1	26.1	27.5	24.7	24.7
107.5°	20.6	20.6	22.0	20.6	20.6	22.0	22.0	22.0	22.0	20.6	20.6
110°	17.9	17.9	17.9	17.9	17.9	19.2	19.2	19.2	19.2	17.9	16.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.1	15.1	15.1	15.1	15.1	16.5	16.5	16.5	16.5	15.1	15.1
115°	12.4	13.7	13.7	13.7	13.7	13.7	15.1	13.7	13.7	13.7	13.7
117.5°	11.0	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
120°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	12.4	12.4
122.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	11.0	11.0	11.0
125°	9.6	9.6	9.6	9.6	8.2	8.2	9.6	9.6	9.6	9.6	9.6
127.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	9.6
130°	8.2	8.2	8.2	8.2	6.9	6.9	6.9	8.2	8.2	8.2	8.2
132.5°	8.2	8.2	6.9	6.9	6.9	6.9	6.9	6.9	6.9	8.2	8.2
135°	6.9	6.9	6.9	6.9	5.5	5.5	6.9	6.9	6.9	6.9	6.9
137.5°	6.9	6.9	5.5	5.5	5.5	5.5	5.5	5.5	6.9	6.9	6.9
140°	5.5	5.5	5.5	4.1	4.1	4.1	5.5	5.5	5.5	5.5	5.5
142.5°	5.5	4.1	4.1	4.1	2.7	2.7	4.1	5.5	5.5	5.5	5.5
145°	4.1	4.1	4.1	2.7	2.7	2.7	4.1	4.1	4.1	4.1	4.1
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1	4.1	4.1
150°	2.7	2.7	2.7	1.4	1.4	1.4	2.7	4.1	4.1	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

(END OF REPORT)