

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: P694897

Luminaire Tested: **LXF.LXT-PA16-30-750-U-T2U-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-750-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3825 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

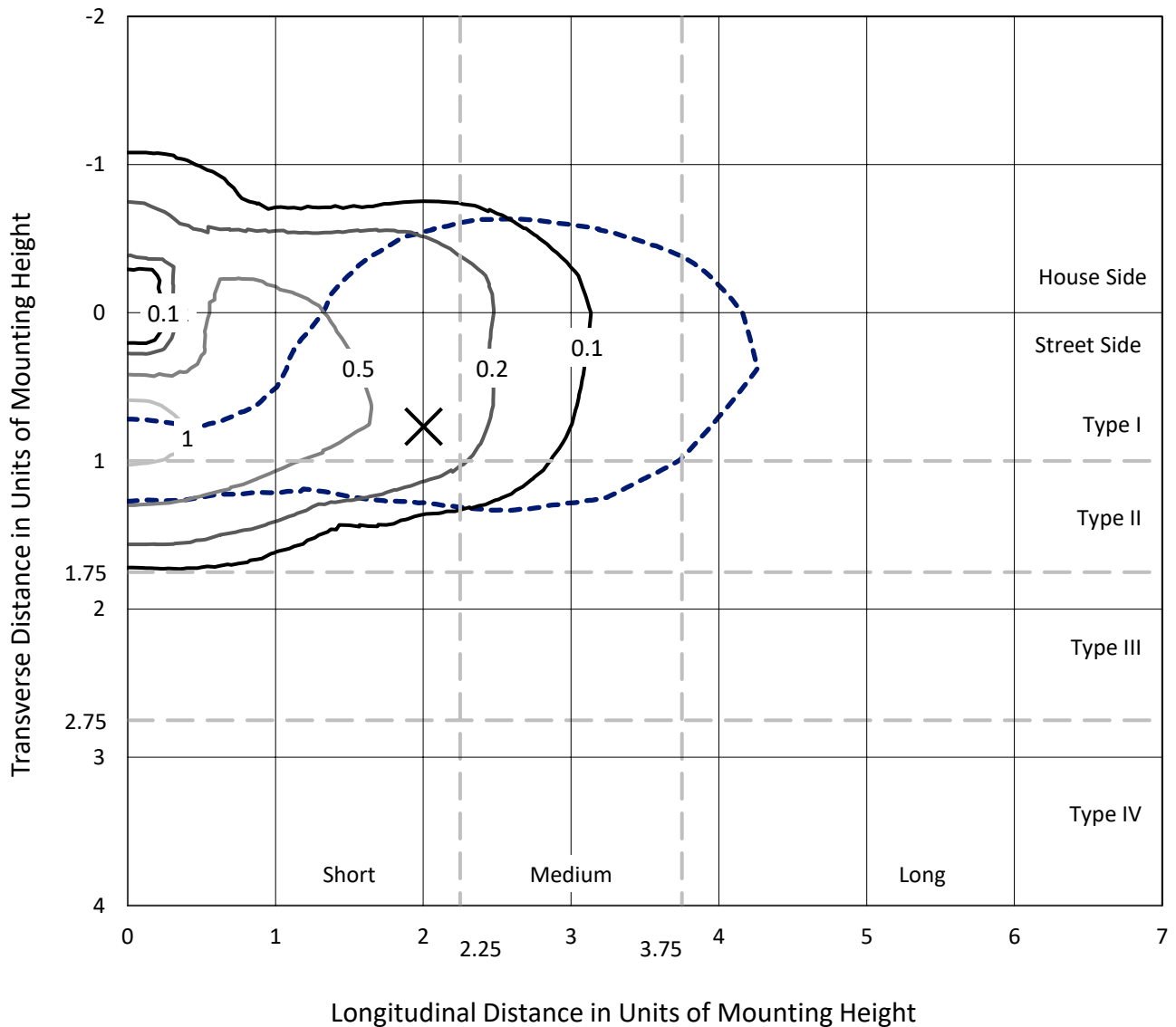
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

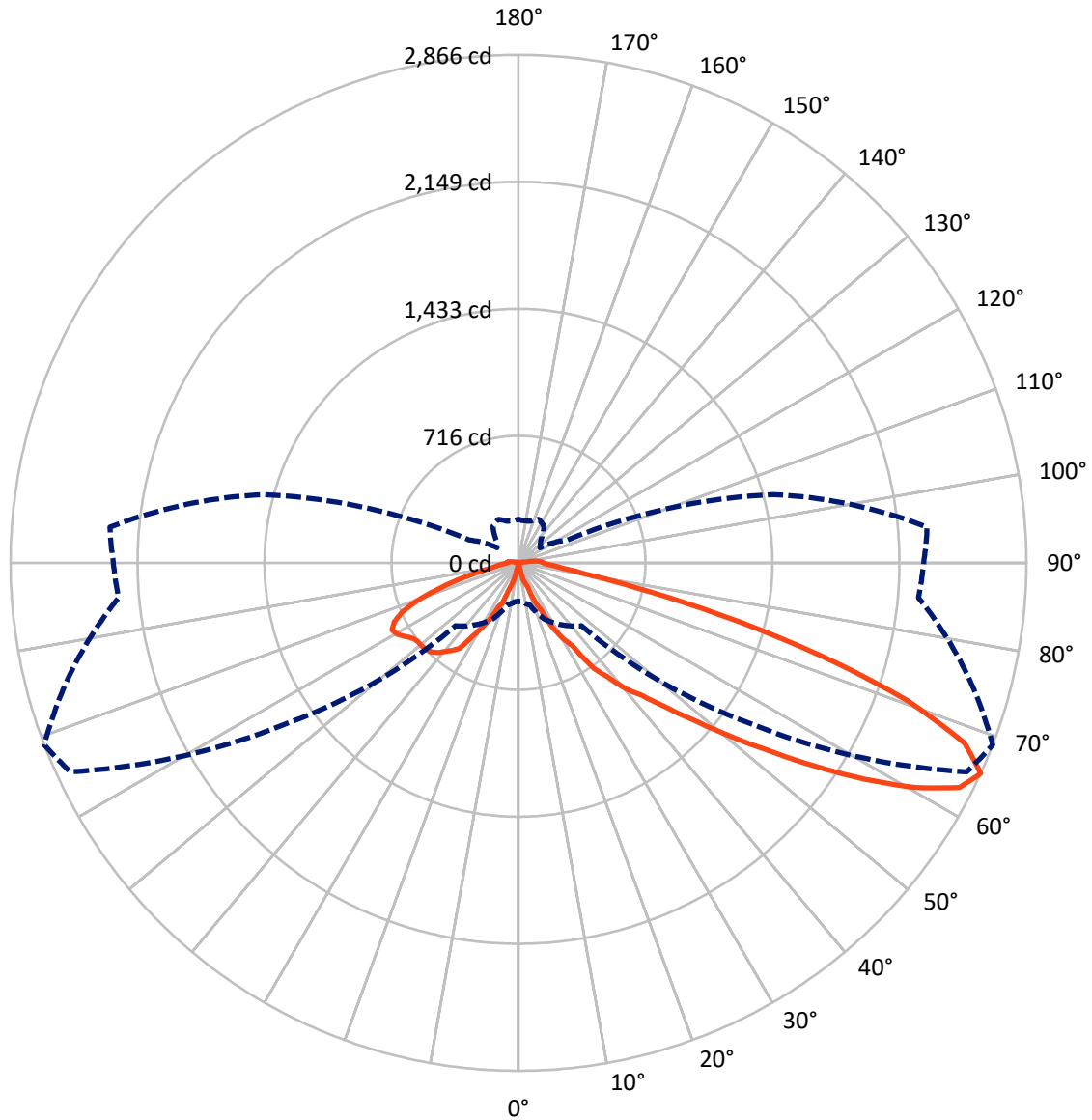
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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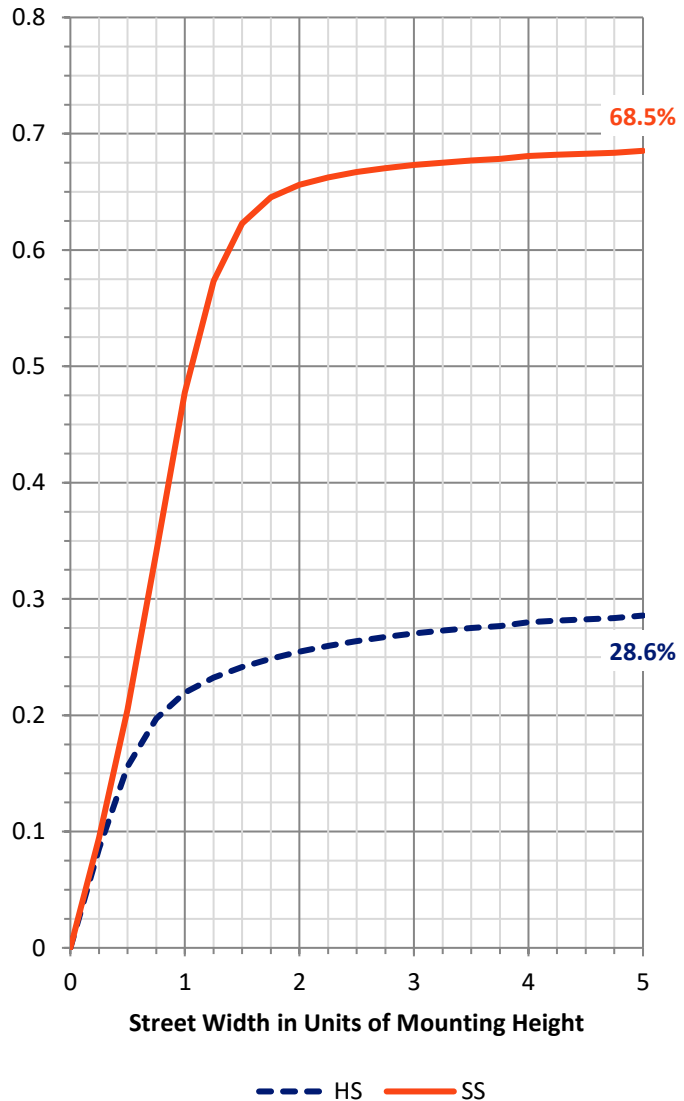
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1121.4	32.8	1154.2
	% Fixture	29.3	0.9	30.2
Street Side	Lumens	2642.4	28.4	2670.9
	% Fixture	69.1	0.7	69.8
Total	Lumens	3763.8	61.3	3825.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	23.1	0.6
20°-30°	147.3	3.9
30°-40°	404.2	10.6
40°-50°	720.6	18.8
50°-60°	935.4	24.5
60°-70°	894.4	23.4
70°-80°	515.5	13.5
80°-90°	122.9	3.2
90°-100°	43.4	1.1
100°-110°	7.9	0.2
110°-120°	3.8	0.1
120°-130°	3.1	0.1
130°-140°	1.8	0.0
140°-150°	1.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3763.8	98.4
0°-180°	3825.0	100.0

Coefficient of Utilization

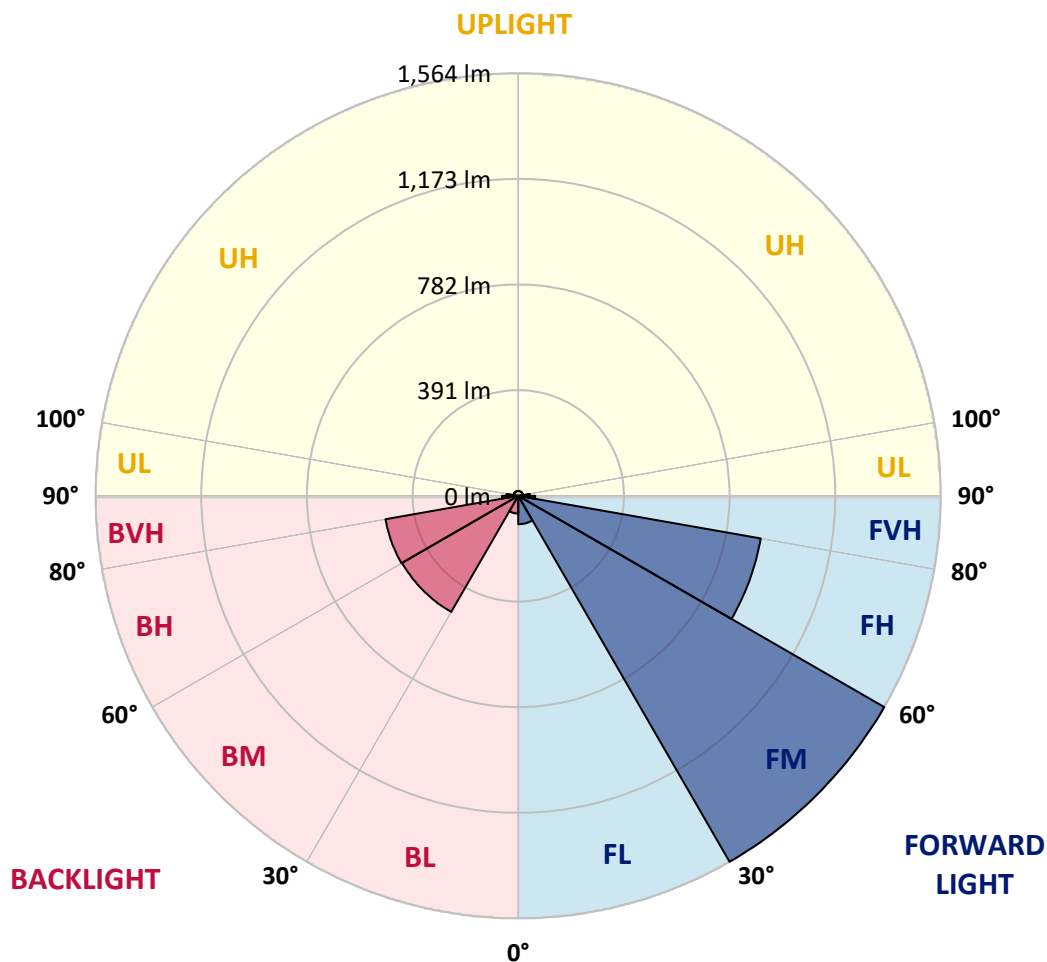


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.0	2.7			
FM (30°-60°)	1563.8	40.9			
FH (60°-80°)	911.0	23.8			G1/1800
FVH (80°-90°)	62.6	1.6			G1/100
BL (0°-30°)	65.6	1.7	B0/110		
BM (30°-60°)	496.4	13.0	B1/1000		
BH (60°-80°)	499.0	13.0	B1/500		G1/500
BVH (80°-90°)	60.3	1.6			G1/100
UL (90°-100°)	43.4	1.1		U2/50	
UH (100°-180°)	17.9	0.5		U2/50	

BUG Rating: B1-U2-G1
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.3	1.3
5°	2.6	2.6	2.6	3.9	2.6	2.6	2.6	2.6	2.6	1.3	1.3
7.5°	5.2	3.9	3.9	3.9	3.9	2.6	2.6	2.6	2.6	1.3	1.3
10°	22.0	18.1	14.2	10.4	6.5	3.9	3.9	2.6	2.6	2.6	2.6
12.5°	95.8	91.9	90.6	85.4	28.5	10.4	6.5	10.4	12.9	18.1	22.0
15°	112.6	111.3	108.7	101.0	95.8	71.2	23.3	88.0	95.8	101.0	102.3
17.5°	205.8	187.7	145.0	125.5	111.3	102.3	97.1	112.6	115.2	117.8	121.7
20°	278.3	278.3	266.6	234.3	142.4	169.6	167.0	134.6	141.1	174.7	220.0
22.5°	348.2	344.3	322.3	297.7	292.5	203.2	194.1	235.6	239.4	261.5	261.5
25°	573.4	573.4	508.7	375.4	350.8	295.1	299.0	301.6	292.5	297.7	310.6
27.5°	680.8	671.8	647.2	572.1	434.9	410.3	354.6	353.3	420.7	434.9	444.0
30°	973.3	969.4	831.0	674.3	587.6	475.0	484.1	494.4	494.4	495.7	481.5
32.5°	1176.5	1181.7	1110.5	897.0	689.9	583.7	586.3	547.5	560.4	649.7	656.2
35°	1374.6	1384.9	1286.6	1091.1	890.5	723.5	656.2	704.1	731.3	730.0	713.2
37.5°	1575.2	1567.4	1480.7	1260.7	1043.2	832.2	799.9	828.4	815.4	832.2	779.2
40°	1716.3	1715.0	1637.3	1439.3	1198.5	982.4	902.1	928.0	937.1	930.6	862.0
42.5°	1813.3	1804.3	1771.9	1623.1	1401.7	1181.7	1036.7	1054.9	1023.8	1048.4	961.7
45°	1853.5	1841.8	1836.6	1724.0	1577.8	1485.9	1228.3	1192.1	1157.1	1206.3	1078.2
47.5°	1799.1	1783.6	1813.3	1778.4	1716.3	1699.4	1452.2	1326.7	1321.5	1359.0	1223.1
50°	1623.1	1595.9	1676.1	1738.3	1782.3	1847.0	1703.3	1541.5	1524.7	1527.3	1359.0
52.5°	1343.5	1344.8	1440.6	1553.2	1756.4	1872.9	1944.1	1812.0	1753.8	1725.3	1496.2
55°	1073.0	1082.0	1154.5	1254.2	1542.8	1847.0	2127.9	2117.5	2019.1	1916.9	1642.5
57.5°	771.4	790.8	902.1	970.7	1249.0	1665.8	2219.8	2389.3	2303.9	2114.9	1799.1
60°	441.4	464.7	586.3	741.6	956.5	1328.0	2174.5	2668.9	2575.7	2323.3	1955.7
62.5°	280.9	287.3	340.4	503.5	625.2	873.7	1982.9	2838.4	2791.8	2514.9	2125.3
65°	217.4	220.0	245.9	352.1	427.1	502.2	1559.7	2790.5	2865.6	2646.9	2265.1
67.5°	199.3	199.3	207.1	252.4	323.6	317.1	1008.3	2499.3	2714.2	2665.0	2311.6
70°	186.4	189.0	198.0	204.5	255.0	239.4	542.3	1977.7	2329.8	2487.7	2296.1
72.5°	163.1	165.7	177.3	194.1	198.0	194.1	302.9	1315.0	1770.6	2089.0	2170.6
75°	138.5	139.8	147.6	174.7	173.4	156.6	251.1	785.7	1172.7	1532.5	1840.5
77.5°	113.9	117.8	126.8	141.1	157.9	124.3	223.9	462.1	669.2	964.3	1276.2
80°	84.1	86.7	95.8	116.5	126.8	107.4	185.1	300.3	375.4	499.6	614.8
82.5°	60.8	62.1	69.9	84.1	90.6	91.9	145.0	242.0	257.6	275.7	277.0
85°	37.5	36.2	37.5	44.0	55.7	59.5	104.8	192.9	194.1	187.7	185.1
87.5°	16.8	16.8	12.9	15.5	18.1	18.1	54.4	152.7	152.7	145.0	150.1
90°	18.1	18.1	12.9	12.9	14.2	12.9	31.1	129.4	137.2	137.2	151.4
92.5°	19.4	18.1	14.2	12.9	12.9	11.6	19.4	103.5	124.3	137.2	156.6
95°	18.1	18.1	12.9	11.6	11.6	10.4	15.5	71.2	99.7	111.3	133.3
97.5°	12.9	12.9	9.1	9.1	10.4	9.1	11.6	29.8	38.8	50.5	67.3
100°	9.1	9.1	6.5	6.5	6.5	6.5	7.8	12.9	15.5	12.9	15.5
102.5°	7.8	9.1	5.2	5.2	5.2	3.9	5.2	6.5	7.8	9.1	11.6
105°	7.8	7.8	3.9	3.9	3.9	3.9	2.6	5.2	5.2	6.5	11.6
107.5°	5.2	5.2	3.9	3.9	2.6	2.6	2.6	3.9	5.2	6.5	11.6
110°	3.9	3.9	2.6	2.6	2.6	2.6	2.6	3.9	5.2	5.2	9.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	2.6	2.6	2.6	1.3	1.3	2.6	2.6	3.9	3.9	3.9	6.5
115°	2.6	2.6	1.3	1.3	1.3	1.3	2.6	2.6	3.9	3.9	6.5
117.5°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6	3.9	6.5
120°	3.9	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6	3.9	6.5
122.5°	3.9	3.9	1.3	1.3	1.3	1.3	1.3	2.6	2.6	3.9	6.5
125°	3.9	3.9	2.6	1.3	1.3	1.3	1.3	2.6	2.6	3.9	5.2
127.5°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	5.2
130°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	5.2
132.5°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	3.9
135°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
137.5°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
140°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	2.6	3.9	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	3.9	3.9	3.9	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	3.9	3.9	3.9	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	1.3	1.3	1.3	1.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6
5°	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6	2.6	2.6	2.6
7.5°	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6	2.6	2.6	2.6
10°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
12.5°	20.7	19.4	16.8	9.1	3.9	2.6	2.6	2.6	3.9	5.2	5.2
15°	104.8	106.1	103.5	93.2	23.3	6.5	3.9	11.6	44.0	76.4	53.1
17.5°	121.7	123.0	120.4	117.8	107.4	47.9	31.1	102.3	106.1	113.9	111.3
20°	223.9	221.3	185.1	137.2	124.3	115.2	97.1	117.8	124.3	126.8	126.8
22.5°	260.2	258.9	253.7	239.4	147.6	172.1	154.0	129.4	212.3	222.6	221.3
25°	301.6	293.8	279.6	266.6	255.0	189.0	190.3	205.8	217.4	218.7	218.7
27.5°	432.3	421.9	398.6	331.3	299.0	235.6	238.2	211.0	212.3	255.0	262.7
30°	469.8	453.0	428.4	415.5	344.3	277.0	227.8	242.0	249.8	248.5	251.1
32.5°	626.4	601.9	516.4	464.7	379.2	267.9	238.2	234.3	234.3	255.0	257.6
35°	675.6	639.4	592.8	579.9	385.7	262.7	225.2	229.1	258.9	262.7	261.5
37.5°	733.9	683.4	636.8	605.7	403.8	243.3	213.6	230.4	239.4	239.4	238.2
40°	798.6	748.1	700.2	613.5	384.4	223.9	214.9	218.7	225.2	221.3	220.0
42.5°	893.1	825.8	783.1	613.5	335.2	212.3	209.7	209.7	214.9	211.0	209.7
45°	1008.3	930.6	853.0	604.4	284.7	205.8	207.1	205.8	211.0	205.8	204.5
47.5°	1129.9	1049.7	916.4	582.4	245.9	200.6	211.0	204.5	205.8	198.0	196.7
50°	1268.4	1181.7	982.4	543.6	223.9	200.6	209.7	205.8	201.9	194.1	192.9
52.5°	1408.2	1320.2	1060.0	495.7	208.4	196.7	211.0	209.7	204.5	192.9	192.9
55°	1551.9	1491.1	1149.4	454.3	191.6	195.4	217.4	217.4	207.1	191.6	190.3
57.5°	1705.9	1664.5	1247.7	438.8	176.0	187.7	227.8	230.4	211.0	190.3	190.3
60°	1885.8	1902.6	1352.6	420.7	165.7	181.2	233.0	242.0	216.2	190.3	190.3
62.5°	2109.7	2157.6	1450.9	379.2	156.6	172.1	238.2	255.0	231.7	212.3	213.6
65°	2285.8	2314.2	1485.9	304.2	147.6	176.0	251.1	270.5	242.0	239.4	245.9
67.5°	2382.8	2369.9	1432.8	231.7	137.2	173.4	247.2	280.9	253.7	260.2	264.0
70°	2380.2	2285.8	1256.8	178.6	128.1	170.8	251.1	277.0	260.2	278.3	289.9
72.5°	2214.6	1999.7	952.6	155.3	128.1	168.3	244.6	266.6	261.5	279.6	288.6
75°	1779.7	1519.5	653.6	135.9	121.7	160.5	233.0	248.5	238.2	253.7	258.9
77.5°	1179.1	999.2	365.0	123.0	120.4	147.6	212.3	220.0	208.4	218.7	222.6
80°	552.7	460.8	203.2	113.9	116.5	130.7	174.7	186.4	168.3	178.6	178.6
82.5°	253.7	234.3	154.0	103.5	104.8	99.7	135.9	154.0	137.2	142.4	137.2
85°	170.8	172.1	123.0	88.0	85.4	71.2	107.4	119.1	103.5	107.4	90.6
87.5°	148.8	152.7	98.4	56.9	49.2	44.0	69.9	72.5	53.1	44.0	42.7
90°	152.7	154.0	90.6	42.7	29.8	23.3	37.5	36.2	23.3	20.7	20.7
92.5°	157.9	157.9	91.9	45.3	29.8	22.0	33.7	27.2	20.7	18.1	18.1
95°	143.7	135.9	80.2	45.3	28.5	19.4	27.2	23.3	18.1	18.1	16.8
97.5°	88.0	80.2	59.5	45.3	23.3	16.8	20.7	18.1	12.9	11.6	11.6
100°	24.6	20.7	37.5	36.2	16.8	11.6	14.2	11.6	7.8	6.5	5.2
102.5°	11.6	11.6	19.4	23.3	9.1	6.5	7.8	7.8	6.5	6.5	5.2
105°	11.6	11.6	9.1	10.4	5.2	3.9	3.9	5.2	5.2	6.5	6.5
107.5°	11.6	12.9	7.8	5.2	5.2	3.9	2.6	3.9	5.2	6.5	7.8
110°	10.4	10.4	6.5	5.2	3.9	3.9	2.6	3.9	5.2	7.8	7.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.8	7.8	5.2	5.2	3.9	3.9	2.6	2.6	5.2	7.8	9.1
115°	6.5	6.5	5.2	3.9	2.6	2.6	2.6	2.6	5.2	9.1	10.4
117.5°	6.5	6.5	3.9	2.6	2.6	2.6	2.6	2.6	5.2	10.4	10.4
120°	6.5	6.5	3.9	2.6	2.6	2.6	2.6	3.9	6.5	10.4	11.6
122.5°	6.5	6.5	3.9	2.6	2.6	2.6	2.6	3.9	6.5	10.4	11.6
125°	6.5	6.5	3.9	2.6	2.6	2.6	2.6	3.9	6.5	10.4	10.4
127.5°	5.2	5.2	3.9	2.6	2.6	2.6	2.6	2.6	5.2	9.1	10.4
130°	5.2	5.2	3.9	2.6	2.6	2.6	2.6	2.6	5.2	9.1	9.1
132.5°	3.9	3.9	2.6	2.6	2.6	1.3	2.6	2.6	5.2	7.8	7.8
135°	2.6	2.6	2.6	1.3	1.3	1.3	2.6	2.6	3.9	5.2	6.5
137.5°	2.6	2.6	1.3	1.3	2.6	2.6	2.6	2.6	3.9	3.9	3.9
140°	1.3	1.3	1.3	1.3	2.6	2.6	2.6	2.6	2.6	3.9	3.9
142.5°	1.3	1.3	1.3	1.3	2.6	1.3	2.6	2.6	2.6	3.9	3.9
145°	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6	3.9	3.9
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	3.9	3.9	3.9
150°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	3.9	3.9
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)