

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: P694902

Luminaire Tested: **LXF.LXT-PA16-30-750-U-T3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)
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-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3698.1 lumens
Efficiency: N/A
Efficacy: 126.6 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 - G1

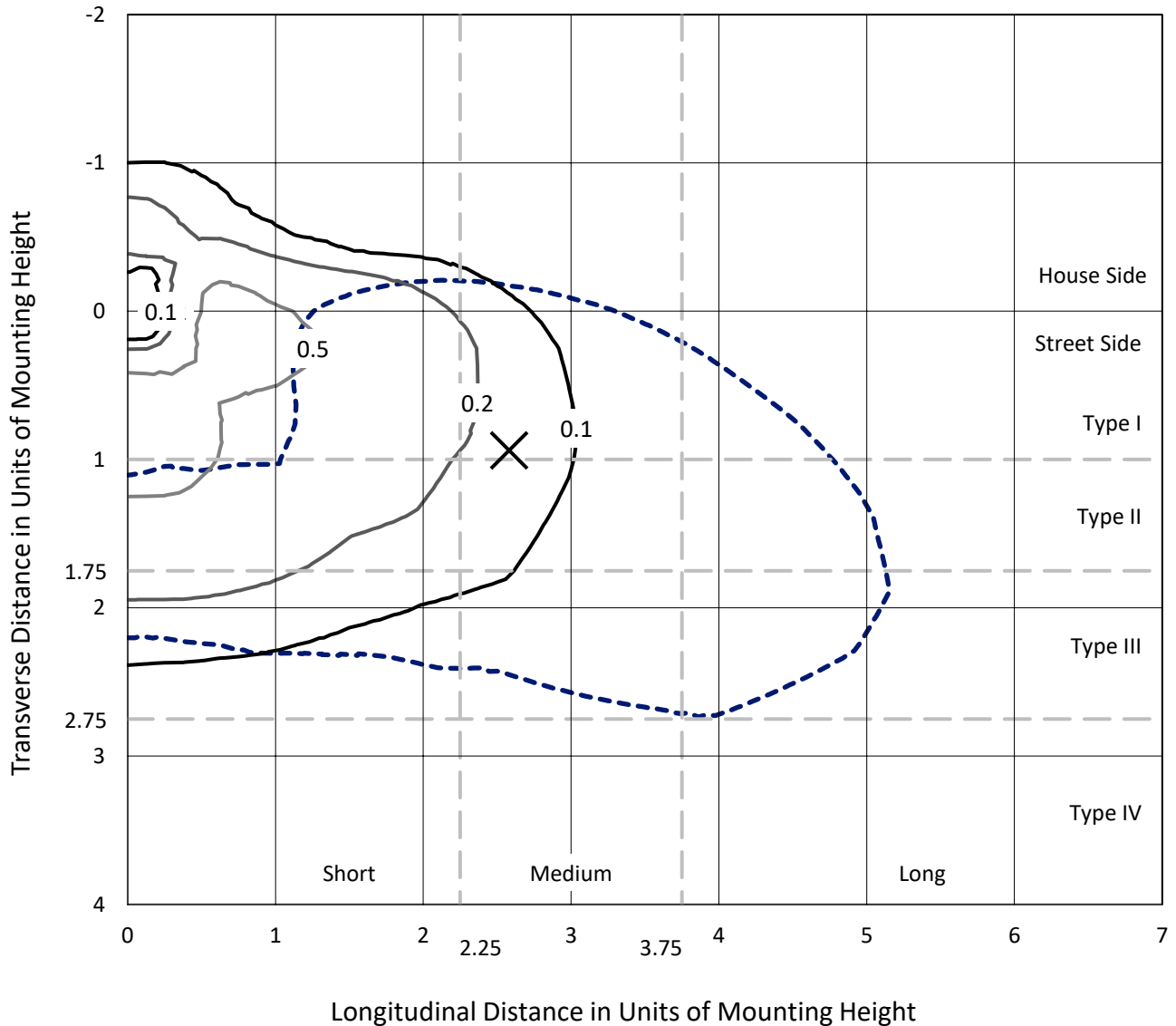
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

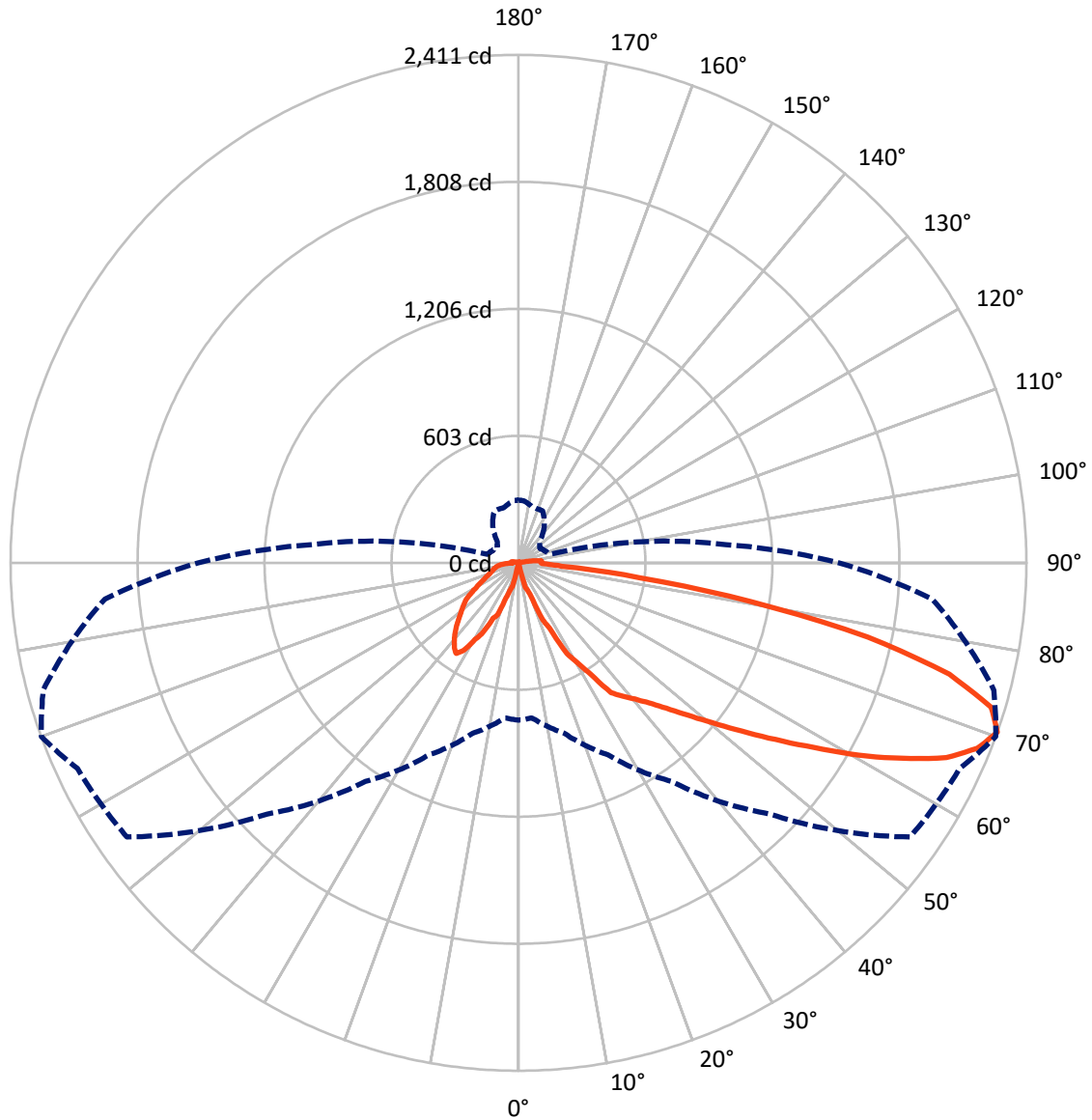
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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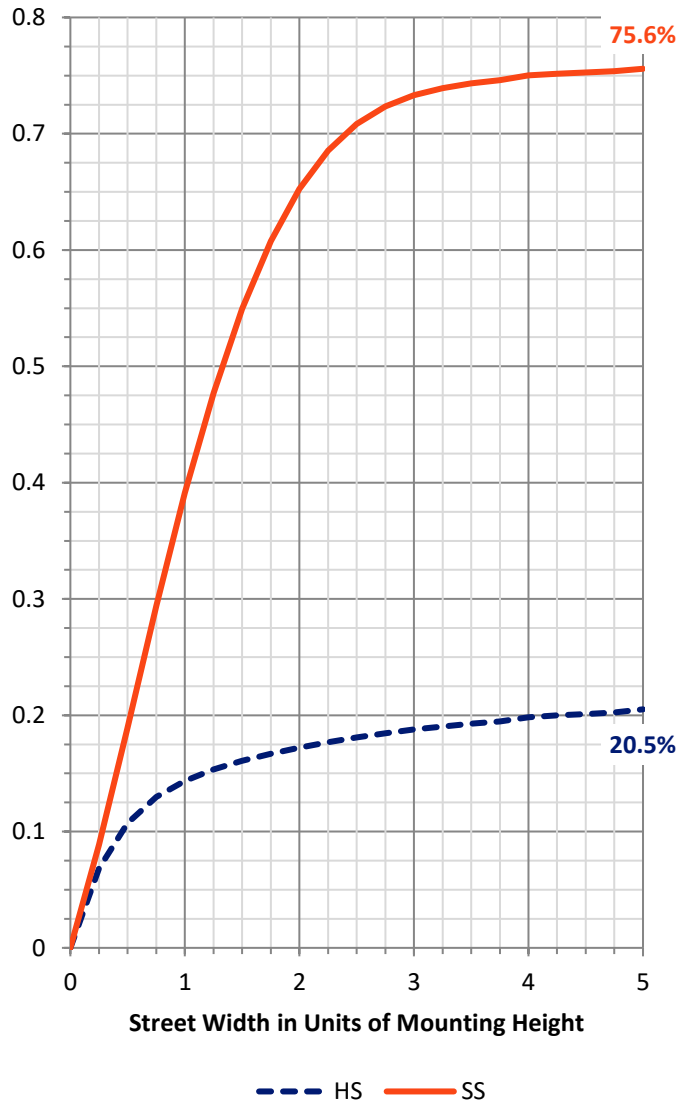
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	804.7	39.9	844.6
	% Fixture	21.8	1.1	22.8
Street Side	Lumens	2818.3	35.1	2853.4
	% Fixture	76.2	0.9	77.2
Total	Lumens	3623.1	75.0	3698.1
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	26.4	0.7
20°-30°	151.1	4.1
30°-40°	348.8	9.4
40°-50°	510.9	13.8
50°-60°	755.7	20.4
60°-70°	991.1	26.8
70°-80°	673.1	18.2
80°-90°	165.6	4.5
90°-100°	54.4	1.5
100°-110°	9.7	0.3
110°-120°	3.9	0.1
120°-130°	3.1	0.1
130°-140°	2.2	0.1
140°-150°	1.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3623.1	98.0
0°-180°	3698.1	100.0

Coefficient of Utilization

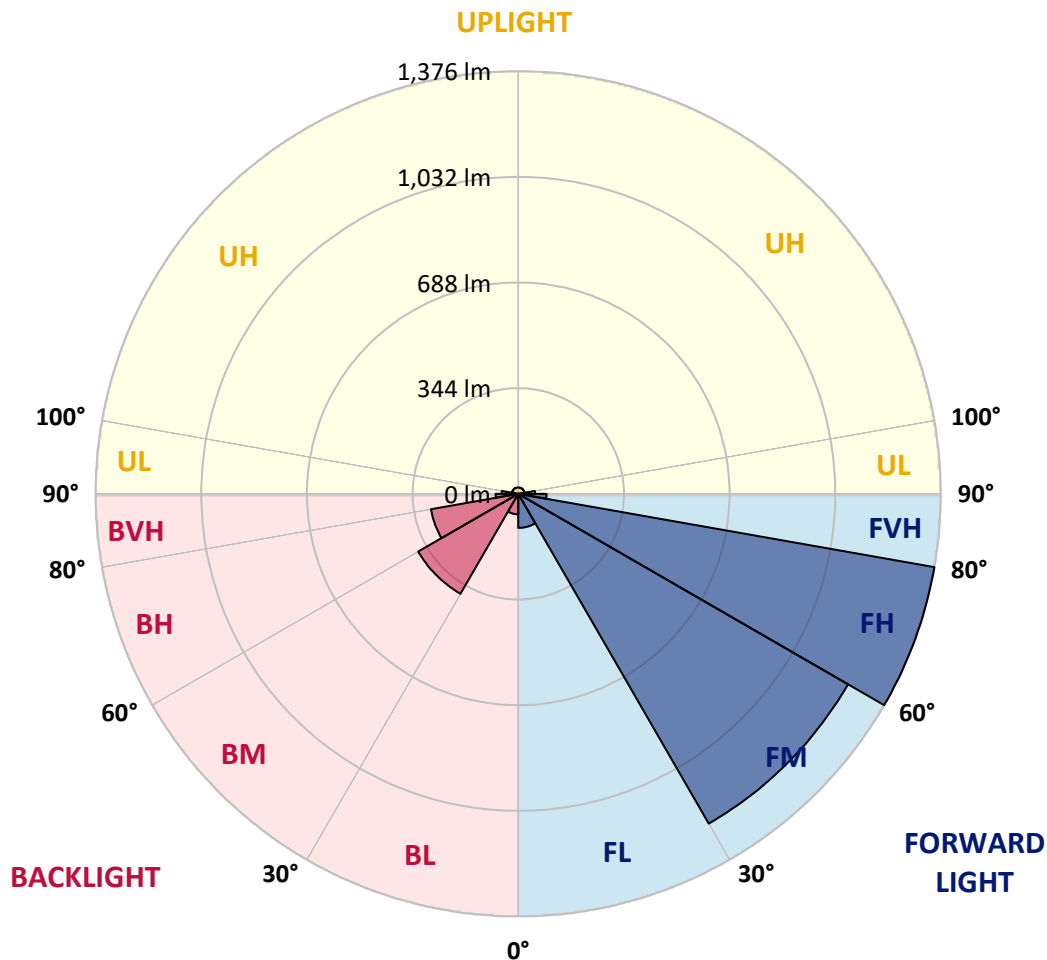


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.0	3.0			
FM (30°-60°)	1239.6	33.5			
FH (60°-80°)	1375.7	37.2			G1/1800
FVH (80°-90°)	92.0	2.5			G1/100
BL (0°-30°)	66.8	1.8	B0/110		
BM (30°-60°)	375.8	10.2	B1/1000		
BH (60°-80°)	288.5	7.8	B1/500		G1/500
BVH (80°-90°)	73.6	2.0			G1/100
UL (90°-100°)	54.4	1.5		U3/500	
UH (100°-180°)	20.6	0.6		U2/50	

BUG Rating: B1-U3-G1
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	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	2.6	2.6
5°	2.6	2.6	2.6	2.6	3.9	3.9	2.6	2.6	2.6	2.6	2.6
7.5°	3.9	2.6	2.6	3.9	3.9	3.9	3.9	2.6	2.6	2.6	2.6
10°	22.0	23.3	15.5	9.1	6.5	3.9	3.9	3.9	3.9	3.9	3.9
12.5°	119.1	117.8	115.2	80.2	28.5	9.1	6.5	11.6	14.2	18.1	25.9
15°	134.6	135.9	132.0	130.7	122.9	46.6	24.6	108.7	119.1	120.4	120.4
17.5°	187.7	186.4	168.2	147.5	138.5	143.7	115.2	129.4	134.6	137.2	138.5
20°	315.8	314.5	310.6	265.3	170.8	209.7	203.2	154.0	163.1	209.7	266.6
22.5°	352.0	349.4	344.2	331.3	343.0	239.4	232.9	270.5	293.8	308.0	306.7
25°	539.7	544.8	449.1	372.7	379.2	327.4	352.0	349.4	343.0	345.5	349.4
27.5°	600.5	595.3	587.5	550.0	421.9	445.2	401.2	446.5	487.9	511.2	504.7
30°	770.0	768.7	676.8	612.1	553.9	482.7	499.5	563.0	548.7	552.6	531.9
32.5°	899.4	898.1	885.2	755.8	627.7	546.1	592.7	595.3	631.5	702.7	709.2
35°	949.9	944.7	935.7	841.2	714.4	643.2	626.4	736.4	757.1	759.7	741.6
37.5°	1001.7	995.2	987.4	882.6	799.8	682.0	718.3	802.4	802.4	819.2	773.9
40°	1031.4	1031.4	1030.2	917.6	838.6	717.0	763.6	852.9	850.3	861.9	819.2
42.5°	1069.0	1065.1	1079.3	953.8	878.7	753.2	807.6	900.7	908.5	938.3	880.0
45°	1122.0	1127.2	1133.7	1031.4	933.1	806.3	859.3	975.8	983.6	1023.7	968.0
47.5°	1180.3	1186.7	1210.0	1113.0	1021.1	873.6	903.3	1061.2	1079.3	1128.5	1079.3
50°	1252.7	1254.0	1287.7	1194.5	1133.7	969.3	983.6	1144.0	1191.9	1235.9	1206.2
52.5°	1304.5	1309.7	1351.1	1299.3	1237.2	1084.5	1100.0	1251.5	1326.5	1380.9	1343.3
55°	1349.8	1353.7	1392.5	1379.6	1323.9	1172.5	1251.5	1396.4	1480.5	1527.1	1511.6
57.5°	1366.6	1370.5	1428.8	1439.1	1411.9	1283.8	1410.6	1540.0	1652.6	1704.4	1678.5
60°	1355.0	1355.0	1426.2	1481.8	1509.0	1406.8	1578.9	1701.8	1854.5	1889.5	1898.5
62.5°	1316.2	1326.5	1413.2	1499.9	1578.9	1527.1	1749.7	1902.4	2043.5	2075.8	2055.1
65°	1230.7	1233.3	1325.2	1461.1	1586.6	1657.8	1968.4	2071.9	2231.1	2219.5	2131.5
67.5°	1069.0	1050.9	1131.1	1322.6	1501.2	1725.1	2150.9	2215.6	2348.9	2310.1	2112.1
70°	746.7	739.0	837.3	1005.6	1265.7	1686.3	2268.7	2310.1	2411.0	2336.0	1971.0
72.5°	354.6	383.1	432.2	575.9	877.4	1423.6	2236.3	2301.0	2346.3	2260.9	1712.2
75°	155.3	159.2	185.1	261.4	451.7	899.4	1956.8	2066.8	2112.1	2015.0	1348.5
77.5°	111.3	111.3	122.9	142.4	205.8	429.7	1333.0	1637.1	1695.3	1600.9	944.7
80°	86.7	86.7	95.8	108.7	128.1	177.3	830.8	1097.4	1118.2	978.4	526.7
82.5°	64.7	67.3	75.1	81.5	94.5	121.7	355.9	564.3	578.5	454.2	275.7
85°	46.6	46.6	51.8	51.8	62.1	94.5	183.8	207.1	205.8	182.5	170.8
87.5°	15.5	15.5	12.9	15.5	25.9	59.5	115.2	116.5	111.3	126.8	143.7
90°	18.1	18.1	12.9	14.2	19.4	54.4	111.3	111.3	106.1	113.9	143.7
92.5°	19.4	19.4	14.2	14.2	16.8	47.9	112.6	117.8	111.3	115.2	142.4
95°	19.4	19.4	14.2	12.9	15.5	32.4	108.7	108.7	104.8	102.2	112.6
97.5°	11.6	11.6	9.1	10.4	12.9	16.8	64.7	67.3	59.5	46.6	60.8
100°	7.8	7.8	6.5	7.8	9.1	9.1	31.1	32.4	24.6	11.6	12.9
102.5°	7.8	7.8	5.2	6.5	5.2	5.2	9.1	11.6	7.8	7.8	10.4
105°	7.8	9.1	3.9	3.9	3.9	3.9	3.9	7.8	6.5	6.5	10.4
107.5°	7.8	7.8	3.9	3.9	3.9	3.9	2.6	3.9	5.2	6.5	11.6
110°	3.9	5.2	2.6	3.9	2.6	3.9	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°	70°	75°	85°
112.5°	2.6	2.6	1.3	2.6	2.6	2.6	2.6	3.9	3.9	3.9	6.5
115°	2.6	2.6	1.3	1.3	1.3	2.6	2.6	2.6	3.9	3.9	6.5
117.5°	2.6	2.6	1.3	1.3	1.3	1.3	2.6	2.6	2.6	3.9	6.5
120°	3.9	2.6	1.3	1.3	1.3	1.3	2.6	2.6	3.9	3.9	6.5
122.5°	3.9	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6	3.9	6.5
125°	3.9	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6	3.9	6.5
127.5°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6	3.9	6.5
130°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6	3.9	5.2
132.5°	2.6	2.6	1.3	1.3	1.3	1.3	2.6	2.6	2.6	2.6	5.2
135°	2.6	2.6	1.3	1.3	1.3	1.3	2.6	2.6	2.6	2.6	3.9
137.5°	2.6	2.6	1.3	1.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6
140°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
142.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
145°	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
147.5°	3.9	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9
150°	3.9	3.9	3.9	2.6	2.6	1.3	2.6	2.6	2.6	2.6	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

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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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9
5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9
7.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
10°	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9
12.5°	23.3	23.3	18.1	9.1	3.9	2.6	2.6	2.6	3.9	6.5	5.2
15°	122.9	122.9	120.4	110.0	23.3	6.5	5.2	11.6	51.8	93.2	94.5
17.5°	141.1	139.8	137.2	130.7	116.5	41.4	40.1	108.7	116.5	121.7	122.9
20°	265.3	262.7	203.2	144.9	126.8	125.5	110.0	122.9	126.8	129.4	130.7
22.5°	302.8	299.0	284.7	251.1	144.9	170.8	160.5	133.3	199.3	213.5	213.5
25°	348.1	337.8	309.3	270.5	247.2	179.9	185.1	194.1	205.8	208.4	208.4
27.5°	495.7	486.6	445.2	297.7	265.3	212.2	214.8	196.7	207.1	236.8	240.7
30°	519.0	504.7	467.2	367.5	275.7	238.1	205.8	230.4	242.0	240.7	242.0
32.5°	691.1	676.8	600.5	377.9	296.4	223.9	225.2	230.4	238.1	251.1	260.1
35°	718.3	702.7	616.0	429.7	283.4	222.6	222.6	232.9	267.9	273.1	273.1
37.5°	748.0	735.1	609.5	401.2	286.0	222.6	216.1	238.1	252.4	251.1	251.1
40°	799.8	779.1	592.7	366.2	260.1	213.5	216.1	223.9	231.7	223.9	220.0
42.5°	860.6	823.1	570.7	330.0	239.4	201.9	204.5	207.1	207.1	192.8	191.5
45°	938.3	868.4	541.0	296.4	220.0	187.7	194.1	190.2	190.2	178.6	177.3
47.5°	1026.3	915.0	504.7	266.6	203.2	174.7	183.8	179.9	182.5	172.1	170.8
50°	1128.5	975.8	469.8	244.6	188.9	168.2	173.4	178.6	182.5	169.5	168.2
52.5°	1235.9	1035.3	445.2	220.0	176.0	160.5	177.3	178.6	181.2	168.2	168.2
55°	1367.9	1109.1	415.4	201.9	166.9	154.0	186.4	186.4	182.5	170.8	169.5
57.5°	1510.3	1182.9	359.8	185.1	159.2	150.1	190.2	196.7	187.7	173.4	173.4
60°	1642.3	1256.6	296.4	172.1	151.4	148.8	192.8	201.9	194.1	181.2	181.2
62.5°	1743.2	1292.9	248.5	161.8	142.4	144.9	191.5	212.2	209.7	203.2	203.2
65°	1754.9	1260.5	208.4	152.7	134.6	143.7	188.9	222.6	223.9	234.2	235.5
67.5°	1692.8	1157.0	177.3	144.9	128.1	139.8	190.2	244.6	251.1	270.5	267.9
70°	1521.9	988.7	154.0	135.9	122.9	141.1	213.5	271.8	270.5	295.1	297.7
72.5°	1270.9	783.0	139.8	130.7	125.5	151.4	240.7	279.5	274.4	301.5	299.0
75°	964.1	552.6	128.1	124.2	121.7	154.0	247.2	271.8	261.4	279.5	276.9
77.5°	634.1	363.7	116.5	116.5	117.8	147.5	236.8	258.8	245.9	257.5	256.2
80°	357.2	216.1	104.8	110.0	112.6	141.1	221.3	240.7	227.8	236.8	236.8
82.5°	214.8	154.0	91.9	100.9	103.5	139.8	207.1	223.9	212.2	217.4	210.9
85°	146.2	112.6	72.5	85.4	97.1	134.6	195.4	207.1	186.4	182.5	177.3
87.5°	119.1	88.0	40.1	54.4	72.5	115.2	155.3	156.6	137.2	134.6	133.3
90°	116.5	81.5	28.5	29.8	47.9	80.2	102.2	98.4	91.9	93.2	91.9
92.5°	113.9	77.6	31.1	32.4	47.9	63.4	86.7	85.4	78.9	85.4	84.1
95°	97.1	67.3	32.4	34.9	41.4	38.8	63.4	67.3	62.1	66.0	67.3
97.5°	50.5	36.2	31.1	34.9	31.1	23.3	37.5	42.7	32.4	25.9	28.5
100°	16.8	11.6	31.1	36.2	23.3	16.8	27.2	31.1	19.4	7.8	7.8
102.5°	10.4	10.4	22.0	28.5	16.8	9.1	18.1	22.0	14.2	6.5	6.5
105°	10.4	10.4	9.1	15.5	6.5	5.2	6.5	11.6	7.8	6.5	6.5
107.5°	11.6	10.4	5.2	5.2	5.2	3.9	3.9	5.2	5.2	6.5	6.5
110°	10.4	9.1	5.2	5.2	3.9	3.9	3.9	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°	6.5	7.8	5.2	3.9	3.9	3.9	3.9	3.9	5.2	7.8	7.8
115°	6.5	6.5	3.9	3.9	2.6	3.9	3.9	3.9	5.2	7.8	9.1
117.5°	7.8	6.5	3.9	2.6	2.6	2.6	2.6	3.9	5.2	9.1	9.1
120°	7.8	6.5	3.9	3.9	2.6	2.6	2.6	3.9	5.2	9.1	10.4
122.5°	7.8	6.5	3.9	2.6	2.6	2.6	2.6	3.9	5.2	9.1	10.4
125°	6.5	6.5	3.9	2.6	2.6	2.6	2.6	3.9	5.2	9.1	9.1
127.5°	6.5	6.5	3.9	2.6	2.6	2.6	2.6	3.9	5.2	9.1	9.1
130°	6.5	5.2	3.9	2.6	2.6	2.6	2.6	3.9	5.2	7.8	9.1
132.5°	5.2	5.2	3.9	2.6	2.6	2.6	2.6	2.6	5.2	7.8	7.8
135°	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	3.9	5.2	6.5
137.5°	2.6	2.6	2.6	2.6	1.3	1.3	2.6	2.6	3.9	3.9	5.2
140°	2.6	2.6	2.6	2.6	1.3	1.3	2.6	2.6	2.6	3.9	3.9
142.5°	2.6	2.6	2.6	2.6	1.3	1.3	2.6	2.6	2.6	3.9	3.9
145°	2.6	2.6	2.6	2.6	1.3	1.3	2.6	2.6	2.6	3.9	3.9
147.5°	3.9	2.6	2.6	2.6	1.3	1.3	2.6	2.6	2.6	3.9	3.9
150°	3.9	2.6	2.6	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)