

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: P694877

Luminaire Tested: **LXF.LXT-PA16-30-740-U-T4W-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694877  
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-PA16-30-740-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 560mA 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: 3726.1 lumens  
Efficiency: N/A  
Efficacy: 127.6 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

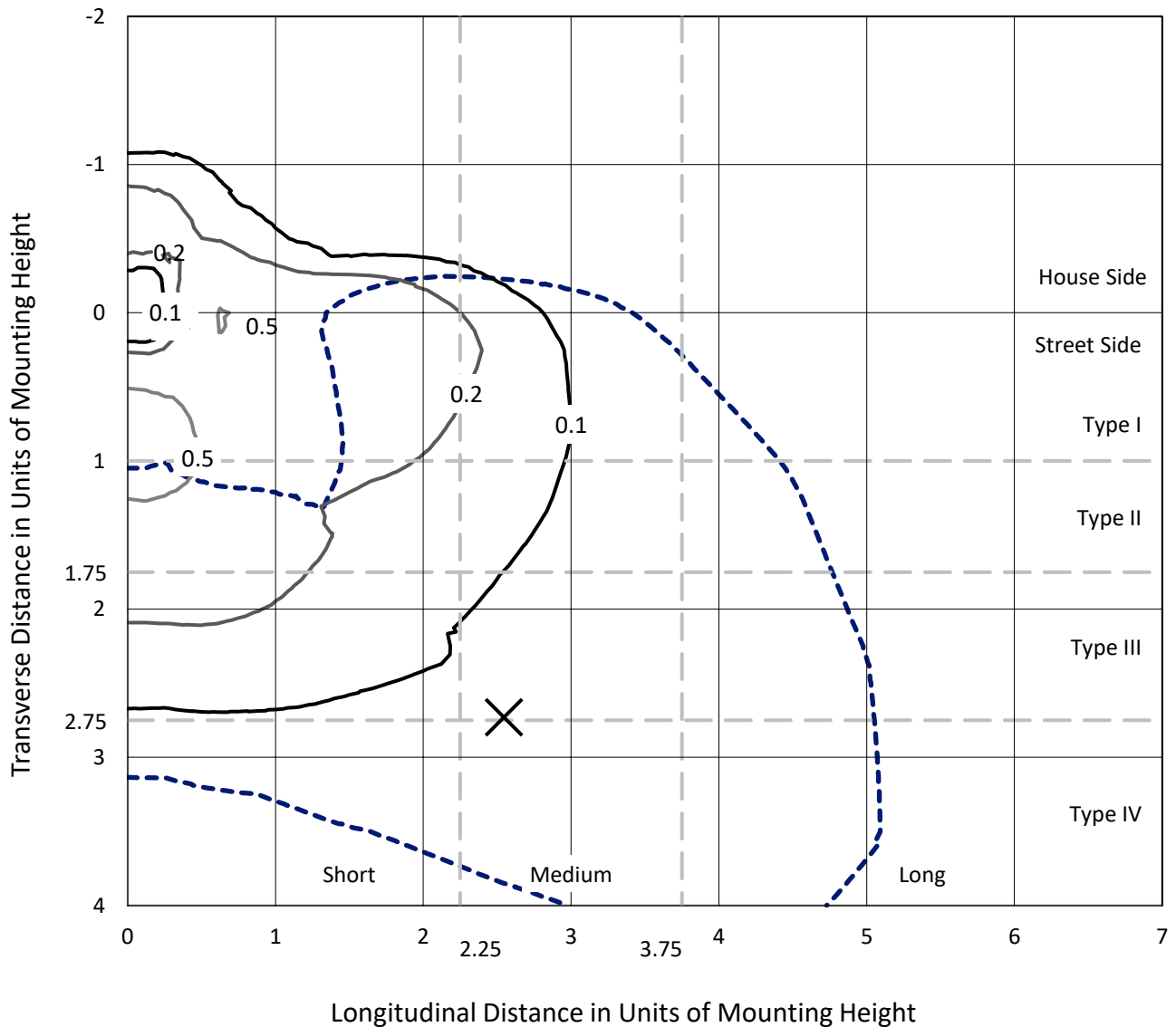
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

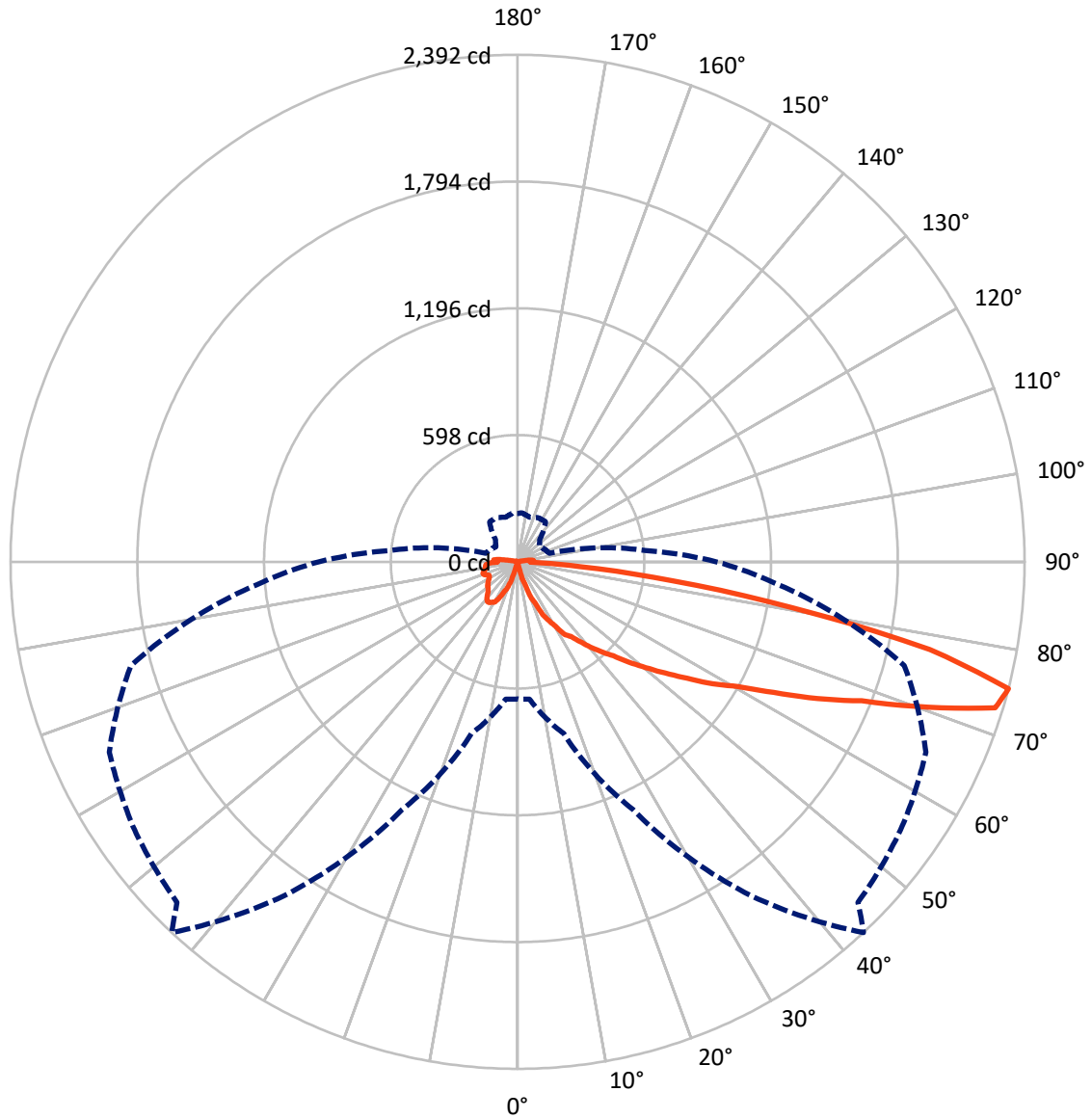
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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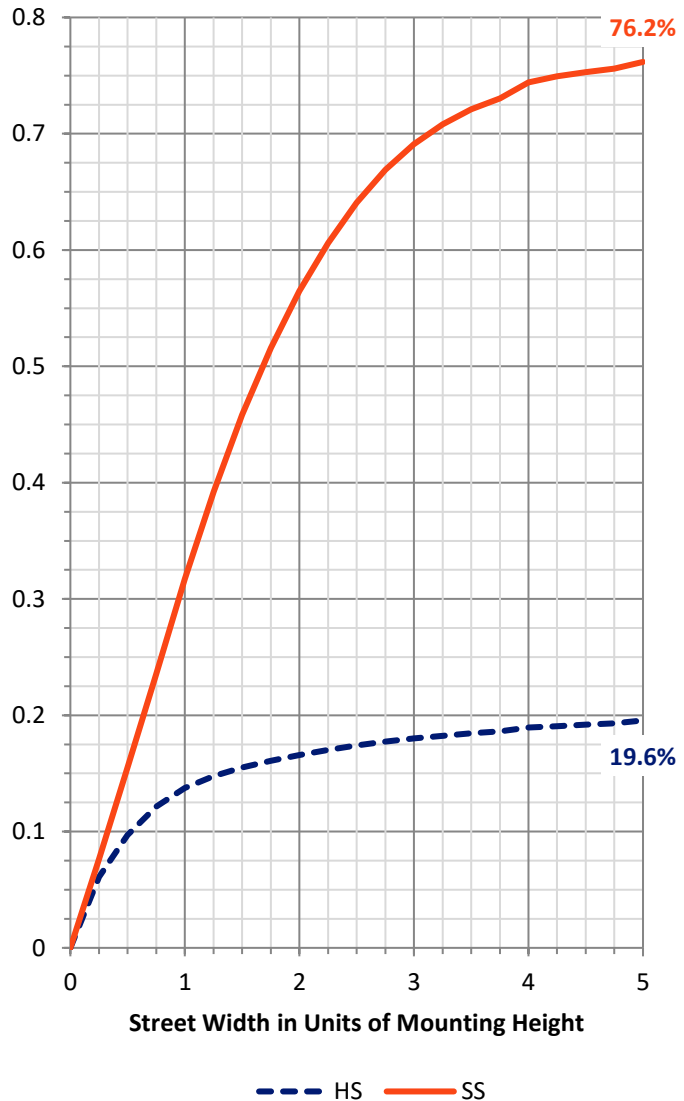
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	776.3	52.3	828.6
	% Fixture	20.8	1.4	22.2
<b>Street Side</b>	Lumens	2859.5	37.9	2897.4
	% Fixture	76.7	1.0	77.8
<b>Total</b>	Lumens	3635.8	90.3	3726.1
	% Fixture	97.6	2.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	22.1	0.6
20°-30°	121.1	3.2
30°-40°	283.3	7.6
40°-50°	429.2	11.5
50°-60°	667.6	17.9
60°-70°	1005.6	27.0
70°-80°	904.9	24.3
80°-90°	201.7	5.4
90°-100°	69.4	1.9
100°-110°	11.4	0.3
110°-120°	3.7	0.1
120°-130°	2.7	0.1
130°-140°	1.7	0.0
140°-150°	1.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3635.8	97.6
0°-180°	3726.1	100.0

**Coefficient of Utilization**

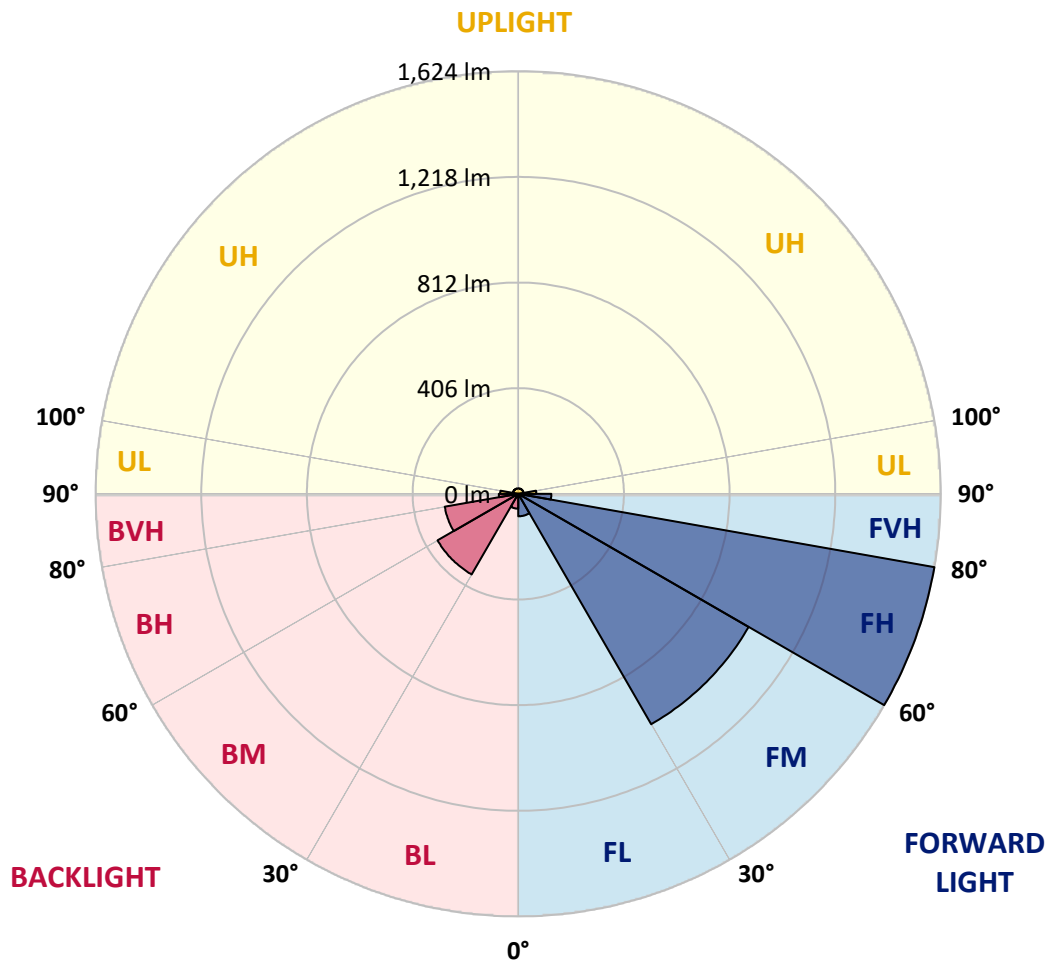


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	86.3	2.3			
FM (30°-60°)	1022.3	27.4			
FH (60°-80°)	1623.8	43.6			G1/1800
FVH (80°-90°)	127.0	3.4			G2/225
BL (0°-30°)	57.1	1.5	B0/110		
BM (30°-60°)	357.8	9.6	B1/1000		
BH (60°-80°)	286.8	7.7	B1/500		G1/500
BVH (80°-90°)	74.6	2.0			G1/100
UL (90°-100°)	69.4	1.9		U3/500	
UH (100°-180°)	20.9	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°	2.6	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	1.3	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	2.6	2.6	2.6	2.6	2.6	2.6	2.6
7.5°	3.9	3.9	2.6	2.6	3.9	2.6	2.6	2.6	2.6	2.6	2.6
10°	25.9	25.9	23.3	14.2	6.5	3.9	3.9	3.9	2.6	3.9	3.9
12.5°	107.4	107.4	99.7	93.2	28.5	16.8	11.6	6.5	11.6	16.8	22.0
15°	128.1	128.1	123.0	111.3	103.5	81.5	53.1	31.1	84.1	89.3	88.0
17.5°	233.0	200.6	159.2	138.5	116.5	106.1	119.1	97.1	106.1	108.7	107.4
20°	273.1	267.9	256.3	243.3	147.6	179.9	167.0	165.7	129.4	167.0	196.7
22.5°	295.1	295.1	275.7	258.9	262.8	207.1	195.4	187.7	216.2	235.6	234.3
25°	410.3	410.3	393.5	286.0	277.0	275.7	255.0	270.5	271.8	270.5	273.1
27.5°	434.9	431.0	415.5	380.5	308.1	314.5	319.7	301.6	335.2	392.2	388.3
30°	621.3	599.3	486.7	409.0	384.4	352.1	340.4	366.3	401.2	415.5	418.1
32.5°	720.9	713.2	661.4	544.9	425.8	410.3	388.3	409.0	416.8	511.3	550.1
35°	832.3	818.0	772.7	616.1	515.1	432.3	423.2	411.6	493.1	535.9	573.4
37.5°	916.4	915.1	875.0	701.5	572.1	476.3	446.5	458.2	510.0	561.7	596.7
40°	988.9	983.7	965.6	780.5	620.0	528.1	476.3	485.4	534.6	586.3	626.5
42.5°	1065.2	1061.4	1062.7	846.5	680.8	579.9	517.7	511.3	564.3	626.5	671.8
45°	1153.3	1150.7	1146.8	944.9	749.4	632.9	570.8	552.7	623.9	676.9	731.3
47.5°	1190.8	1185.6	1212.8	1029.0	825.8	706.7	629.1	607.0	689.9	752.0	827.1
50°	1238.7	1233.5	1250.3	1114.4	916.4	784.4	706.7	673.1	770.1	855.6	952.6
52.5°	1329.3	1375.9	1309.9	1207.6	1041.9	871.1	784.4	758.5	877.6	994.1	1158.4
55°	1438.0	1427.7	1392.7	1315.1	1157.1	969.5	869.8	855.6	1021.2	1168.8	1370.7
57.5°	1458.7	1447.1	1475.6	1425.1	1290.5	1086.0	968.2	974.6	1166.2	1351.3	1608.9
60°	1506.6	1498.8	1551.9	1579.1	1427.7	1193.4	1070.4	1132.5	1315.1	1537.7	1839.3
62.5°	1557.1	1566.2	1645.1	1685.2	1519.6	1356.5	1210.2	1312.5	1542.9	1739.6	2043.8
65°	1549.3	1562.3	1725.4	1746.1	1632.2	1554.5	1383.7	1517.0	1752.5	1948.0	2192.6
67.5°	1510.5	1523.4	1744.8	1828.9	1786.2	1751.2	1581.7	1738.3	1946.7	2089.1	2239.2
70°	1430.2	1431.5	1650.3	1894.9	1975.2	2054.1	1853.5	1955.8	2137.0	2212.0	2124.0
72.5°	1157.1	1166.2	1372.0	1765.5	2113.7	2355.7	2161.6	2159.0	2239.2	2175.8	1747.4
75°	647.2	649.8	838.7	1290.5	1924.7	2391.9	2271.6	2205.6	2125.3	1888.4	1234.8
77.5°	196.7	220.0	293.8	656.2	1347.4	1988.1	1955.8	1940.2	1777.1	1331.9	671.8
80°	99.7	103.5	132.0	226.5	696.4	1316.3	1344.8	1392.7	1108.0	574.7	311.9
82.5°	57.0	59.5	80.2	120.4	296.4	735.2	807.7	761.1	476.3	270.5	216.2
85°	28.5	28.5	37.5	55.7	138.5	291.2	337.8	273.1	205.8	178.6	174.7
87.5°	15.5	15.5	12.9	16.8	42.7	64.7	75.1	102.3	110.0	112.6	148.8
90°	16.8	16.8	12.9	14.2	31.1	58.2	82.8	99.7	102.3	107.4	151.4
92.5°	16.8	16.8	12.9	12.9	28.5	68.6	94.5	108.7	106.1	115.2	155.3
95°	16.8	15.5	11.6	12.9	24.6	73.8	89.3	115.2	102.3	103.5	129.4
97.5°	10.4	10.4	7.8	10.4	18.1	57.0	62.1	82.8	69.9	46.6	60.8
100°	7.8	7.8	5.2	7.8	10.4	27.2	25.9	40.1	31.1	10.4	15.5
102.5°	7.8	9.1	5.2	5.2	6.5	7.8	9.1	12.9	12.9	7.8	10.4
105°	9.1	9.1	3.9	3.9	3.9	3.9	5.2	5.2	5.2	6.5	10.4
107.5°	7.8	7.8	3.9	2.6	2.6	3.9	3.9	2.6	3.9	5.2	11.6
110°	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6	3.9	5.2	9.1

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	2.6	3.9	1.3	2.6	1.3	2.6	2.6	2.6	2.6	3.9	5.2
115°	3.9	2.6	1.3	1.3	1.3	2.6	2.6	2.6	2.6	3.9	5.2
117.5°	3.9	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	3.9	6.5
120°	3.9	3.9	1.3	1.3	1.3	1.3	1.3	1.3	2.6	3.9	5.2
122.5°	3.9	3.9	1.3	1.3	1.3	1.3	1.3	1.3	2.6	3.9	5.2
125°	3.9	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	3.9	5.2
127.5°	3.9	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	3.9	5.2
130°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
137.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
140°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
142.5°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
145°	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
147.5°	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3	2.6	2.6	2.6
150°	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
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	1.3	1.3	1.3	2.6	2.6	2.6	2.6	2.6
5°	2.6	2.6	2.6	2.6	1.3	2.6	2.6	2.6	2.6	2.6	2.6
7.5°	2.6	2.6	2.6	2.6	1.3	1.3	2.6	2.6	2.6	2.6	2.6
10°	3.9	3.9	2.6	2.6	2.6	1.3	2.6	2.6	2.6	2.6	2.6
12.5°	23.3	22.0	15.5	9.1	3.9	2.6	2.6	2.6	3.9	5.2	5.2
15°	89.3	86.7	84.1	76.4	22.0	5.2	3.9	11.6	45.3	63.4	73.8
17.5°	104.8	103.5	101.0	95.8	88.0	29.8	38.8	82.8	98.4	101.0	103.5
20°	192.9	189.0	146.3	110.0	101.0	106.1	93.2	103.5	108.7	112.6	116.5
22.5°	229.1	225.2	213.6	195.4	120.4	139.8	134.6	119.1	181.2	195.4	198.0
25°	267.9	261.5	236.9	217.4	200.6	155.3	167.0	189.0	204.5	214.9	214.9
27.5°	381.8	368.9	337.8	239.5	222.6	190.3	204.5	200.6	226.5	278.3	282.2
30°	412.9	398.7	354.6	296.4	236.9	220.0	211.0	258.9	292.5	304.2	308.1
32.5°	550.1	537.2	459.5	305.5	260.2	220.0	244.6	269.2	292.5	346.9	352.1
35°	577.3	556.6	476.3	352.1	258.9	230.4	245.9	274.4	339.1	363.7	368.9
37.5°	604.5	583.7	475.0	337.8	275.7	234.3	240.7	280.9	315.8	332.6	336.5
40°	642.0	610.9	466.0	314.5	262.8	225.2	238.2	264.0	284.8	289.9	293.8
42.5°	691.2	648.5	455.6	291.2	243.3	211.0	222.6	242.0	255.0	247.2	247.2
45°	759.8	693.8	436.2	267.9	225.2	195.4	209.7	223.9	230.4	216.2	212.3
47.5°	845.2	748.1	415.5	245.9	213.6	186.4	201.9	213.6	213.6	194.2	191.6
50°	948.8	815.4	388.3	227.8	200.6	181.2	194.2	204.5	198.0	178.6	177.3
52.5°	1106.7	917.7	362.4	212.3	189.0	176.0	192.9	191.6	182.5	165.7	164.4
55°	1302.1	1051.0	339.1	200.6	181.2	167.0	189.0	183.8	173.4	157.9	157.9
57.5°	1496.3	1197.3	314.5	192.9	172.1	159.2	182.5	179.9	168.3	152.7	151.4
60°	1686.5	1331.9	278.3	186.4	160.5	151.4	174.7	181.2	165.7	150.1	150.1
62.5°	1840.6	1396.6	238.2	176.0	148.8	146.3	170.9	186.4	178.6	172.1	172.1
65°	1891.0	1357.8	207.1	168.3	141.1	142.4	172.1	205.8	208.4	216.2	217.4
67.5°	1856.1	1247.7	186.4	161.8	135.9	148.8	196.7	231.7	225.2	230.4	233.0
70°	1704.6	1086.0	174.7	154.0	135.9	159.2	216.2	231.7	222.6	238.2	239.5
72.5°	1383.7	878.9	164.4	147.6	130.7	157.9	227.8	229.1	222.6	240.7	238.2
75°	938.4	605.8	155.3	139.8	124.3	146.3	230.4	229.1	217.4	231.7	227.8
77.5°	473.7	308.1	143.7	130.7	115.2	139.8	227.8	230.4	214.9	226.5	222.6
80°	240.7	198.0	128.1	120.4	104.8	137.2	222.6	227.8	205.8	216.2	214.9
82.5°	185.1	155.3	107.4	104.8	95.8	134.6	214.9	220.0	195.4	203.2	198.0
85°	151.4	123.0	79.0	81.5	86.7	135.9	213.6	217.4	189.0	185.1	182.5
87.5°	128.1	94.5	38.8	41.4	63.4	121.7	182.5	179.9	147.6	146.3	148.8
90°	128.1	86.7	25.9	25.9	51.8	86.7	120.4	108.7	102.3	108.7	107.4
92.5°	126.8	79.0	27.2	27.2	58.2	95.8	135.9	112.6	104.8	107.4	106.1
95°	104.8	64.7	31.1	29.8	50.5	106.1	141.1	115.2	107.4	103.5	103.5
97.5°	53.1	36.2	29.8	29.8	40.1	86.7	112.6	90.6	68.6	57.0	60.8
100°	12.9	14.2	28.5	28.5	24.6	44.0	62.1	55.7	28.5	14.2	12.9
102.5°	10.4	9.1	22.0	24.6	15.5	15.5	28.5	32.4	22.0	6.5	6.5
105°	10.4	9.1	10.4	12.9	7.8	6.5	10.4	18.1	10.4	6.5	6.5
107.5°	11.6	10.4	5.2	5.2	5.2	5.2	5.2	6.5	5.2	6.5	6.5
110°	10.4	9.1	5.2	5.2	3.9	5.2	3.9	5.2	5.2	6.5	6.5

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**CANDELA DISTRIBUTION (continued):**

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