

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: P695759

Luminaire Tested: **LXF.LXT-PA16-60-827-U-SL3-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695759  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-60-827-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4624 lumens  
Efficiency: N/A  
Efficacy: 74.6 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 - G3

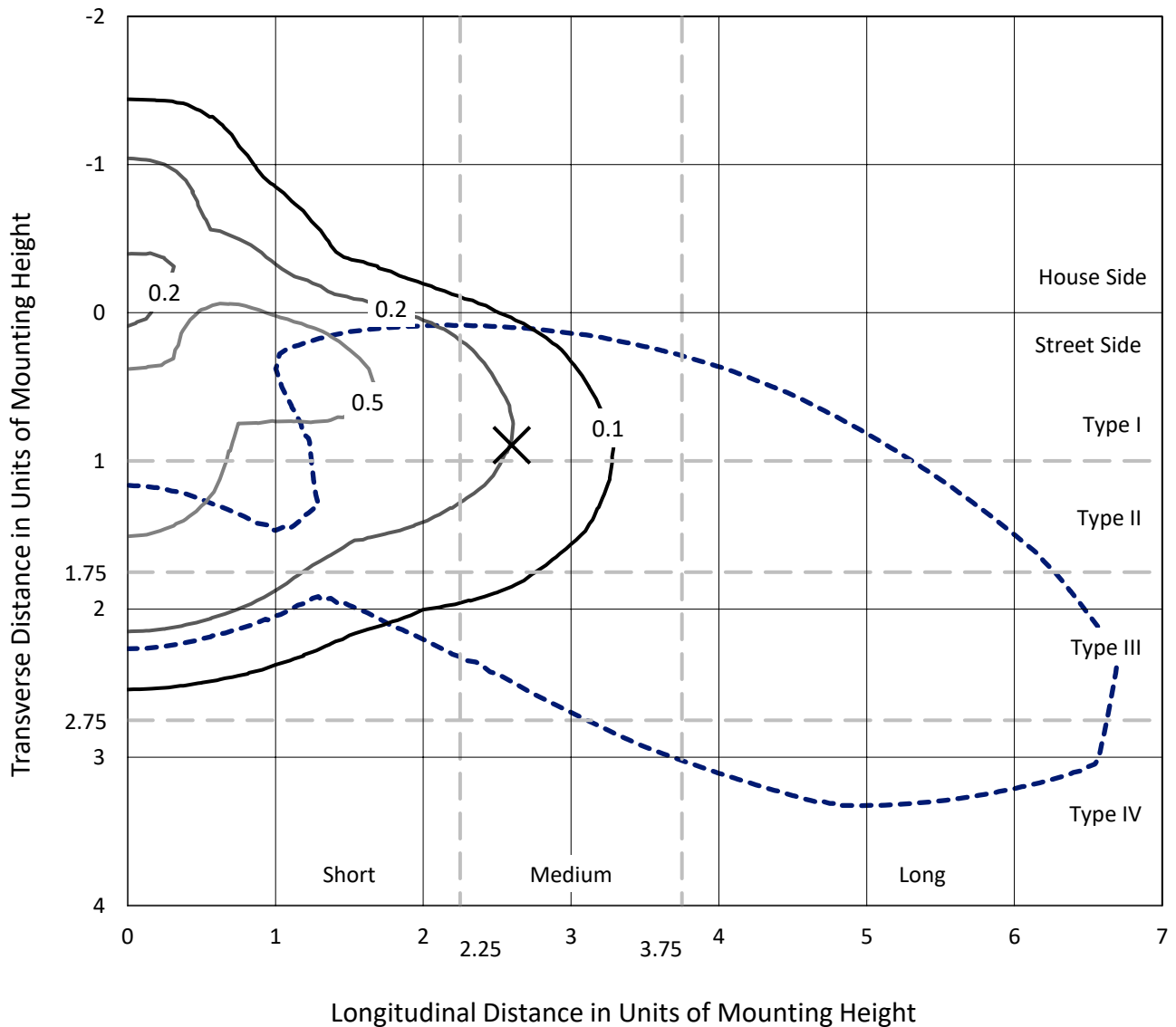
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

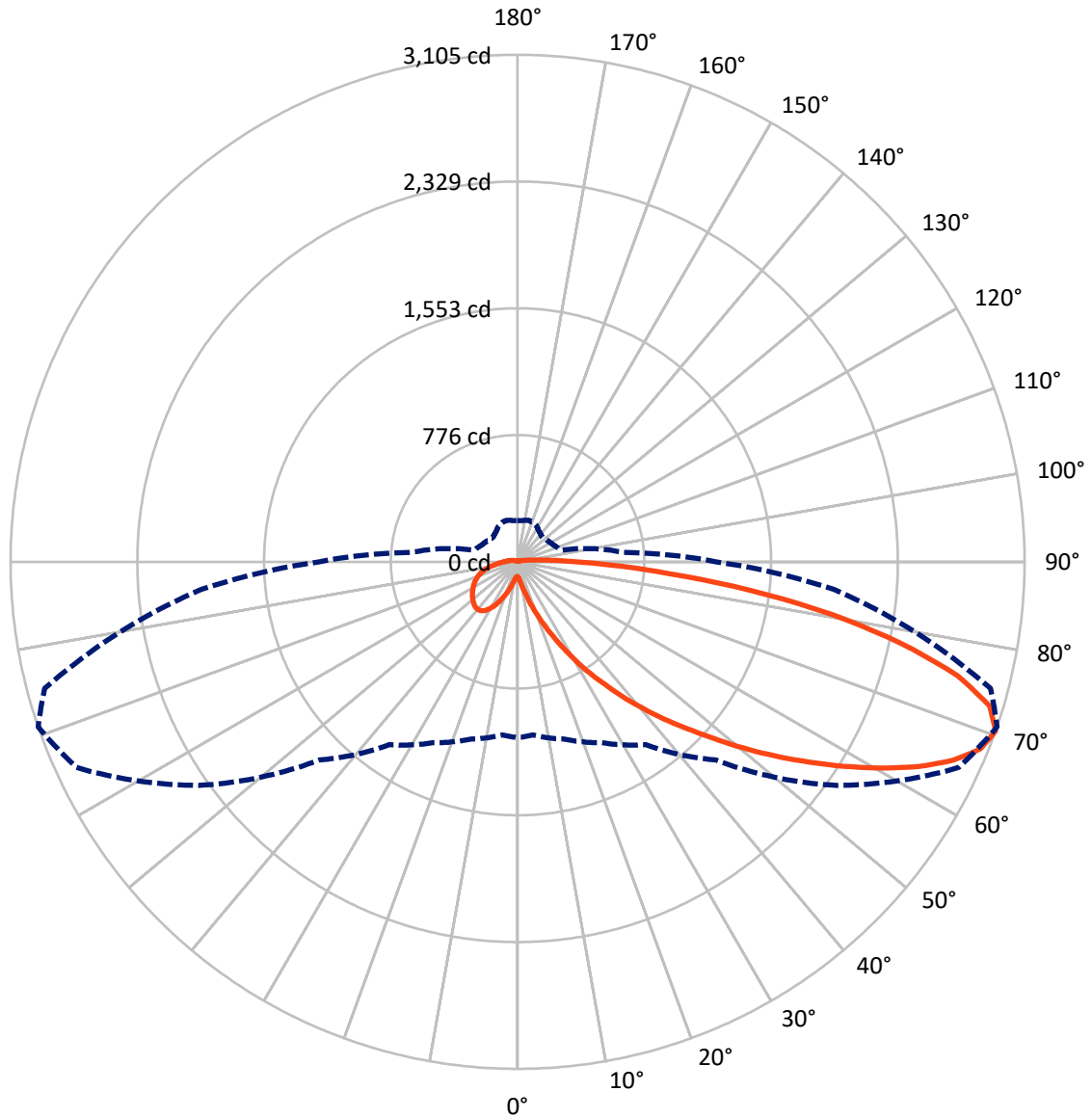
✕ Max cd  
 - - - 1/2 Max cd



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 71-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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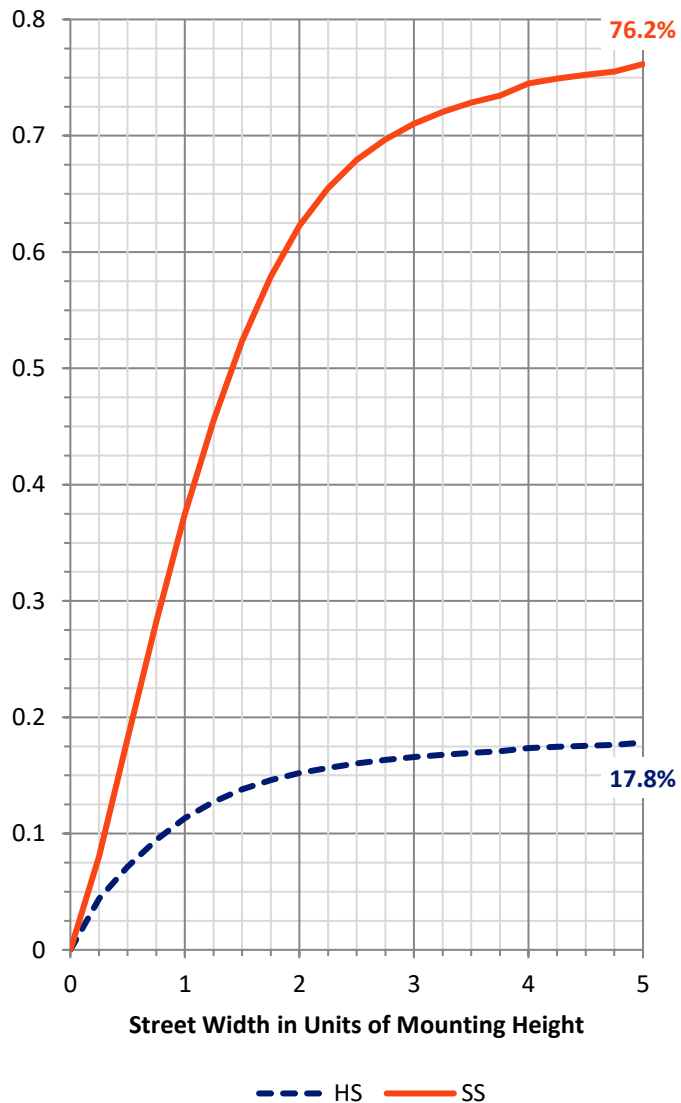
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	863.9	74.2	938.0
	% Fixture	18.7	1.6	20.3
<b>Street Side</b>	Lumens	3605.2	80.8	3686.0
	% Fixture	78.0	1.7	79.7
<b>Total</b>	Lumens	4469.0	155.0	4624.0
	% Fixture	96.6	3.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.5	0.2
10°-20°	54.0	1.2
20°-30°	166.2	3.6
30°-40°	360.8	7.8
40°-50°	602.5	13.0
50°-60°	892.6	19.3
60°-70°	1123.3	24.3
70°-80°	902.5	19.5
80°-90°	356.7	7.7
90°-100°	86.0	1.9
100°-110°	33.8	0.7
110°-120°	16.8	0.4
120°-130°	9.6	0.2
130°-140°	5.7	0.1
140°-150°	2.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4469.0	96.6
0°-180°	4624.0	100.0

**Coefficient of Utilization**

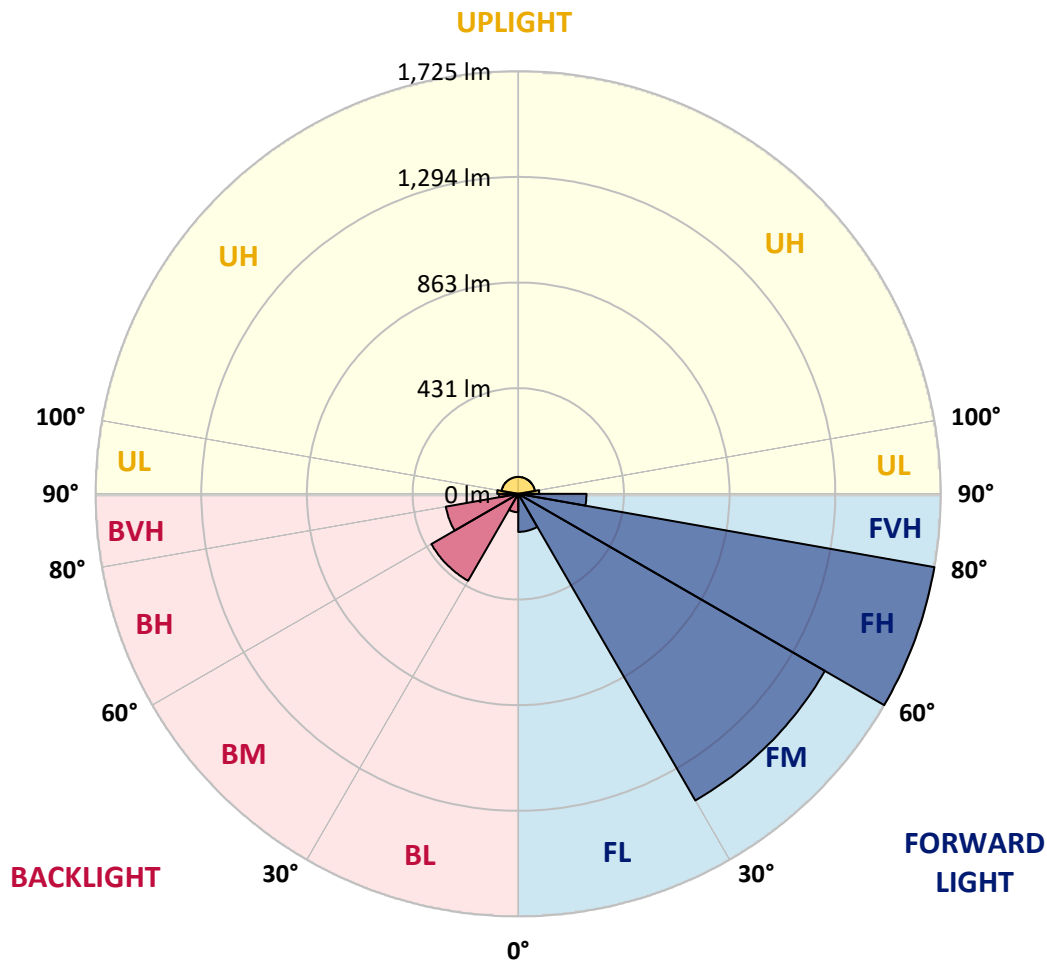


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	155.4	3.4			
FM (30°-60°)	1445.9	31.3			
FH (60°-80°)	1725.5	37.3			G1/1800
FVH (80°-90°)	278.4	6.0			G3/500
BL (0°-30°)	75.2	1.6	B0/110		
BM (30°-60°)	410.0	8.9	B1/1000		
BH (60°-80°)	300.3	6.5	B1/500		G1/500
BVH (80°-90°)	78.2	1.7			G1/100
UL (90°-100°)	86.0	1.9		U3/500	
UH (100°-180°)	69.0	1.5		U3/500	

**BUG Rating: B1-U3-G3**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
2.5°	101.8	101.8	101.8	101.8	101.8	100.0	98.2	98.2	96.5	96.5	94.7
5°	121.1	121.1	119.3	119.3	117.5	115.8	114.0	110.5	108.8	107.0	103.5
7.5°	143.9	142.1	140.4	140.4	140.4	136.8	133.3	129.8	126.3	122.8	117.5
10°	171.9	170.2	170.2	168.4	166.7	164.9	161.4	156.1	150.9	149.1	140.4
12.5°	205.3	203.5	205.3	203.5	198.3	198.3	196.5	189.5	186.0	182.5	170.2
15°	247.4	247.4	247.4	242.1	240.4	236.9	238.6	233.3	229.8	226.3	210.5
17.5°	300.0	300.0	296.5	291.2	284.2	284.2	286.0	286.0	287.7	277.2	256.2
20°	359.7	364.9	354.4	343.9	335.1	336.9	340.4	350.9	350.9	340.4	315.8
22.5°	436.9	431.6	426.3	405.3	391.2	387.7	401.8	419.3	421.1	419.3	380.7
25°	517.6	515.8	498.3	475.5	450.9	447.4	470.2	498.3	505.3	501.8	456.2
27.5°	603.5	603.5	586.0	545.6	510.5	505.3	533.4	582.5	598.3	600.0	536.9
30°	715.8	705.3	680.7	626.3	580.7	564.9	605.3	675.5	703.5	705.3	624.6
32.5°	812.3	812.3	777.2	715.8	649.2	622.8	672.0	775.5	812.3	808.8	710.6
35°	921.1	912.3	873.7	798.3	715.8	682.5	742.1	875.5	922.8	922.8	793.0
37.5°	1021.1	1010.6	975.5	886.0	784.2	740.4	815.8	975.5	1050.9	1050.9	866.7
40°	1119.3	1117.6	1073.7	972.0	856.2	796.5	887.8	1089.5	1179.0	1172.0	943.9
42.5°	1229.9	1222.9	1170.2	1061.4	926.4	857.9	963.2	1208.8	1317.6	1307.1	1017.6
45°	1347.4	1331.6	1272.0	1154.4	991.3	921.1	1042.2	1326.4	1458.0	1461.5	1100.0
47.5°	1454.4	1450.9	1389.5	1250.9	1075.5	987.8	1128.1	1473.7	1615.9	1607.1	1177.2
50°	1577.3	1570.2	1496.6	1345.7	1152.7	1065.0	1224.6	1619.4	1793.1	1784.3	1279.0
52.5°	1698.3	1684.3	1607.1	1445.7	1242.2	1149.2	1333.4	1779.0	1975.5	1956.2	1380.8
55°	1801.8	1796.6	1698.3	1545.7	1340.4	1238.7	1463.2	1954.5	2165.0	2156.2	1491.3
57.5°	1886.0	1875.5	1784.3	1633.4	1429.9	1359.7	1614.1	2129.9	2363.3	2342.2	1608.8
60°	1912.4	1901.8	1810.6	1693.1	1514.1	1484.3	1784.3	2326.4	2565.0	2537.0	1726.4
62.5°	1856.2	1845.7	1773.8	1698.3	1575.5	1603.6	1972.0	2535.2	2761.5	2733.5	1840.4
65°	1673.8	1668.5	1640.4	1626.4	1586.0	1696.6	2172.0	2719.4	2930.0	2882.6	1933.4
67.5°	1400.1	1407.1	1410.6	1463.2	1521.1	1749.2	2312.4	2887.8	3058.0	2991.4	1965.0
70°	1077.2	1065.0	1124.6	1222.9	1366.7	1715.9	2387.8	2980.8	3105.4	2998.4	1943.9
72.5°	766.7	768.5	835.1	965.0	1170.2	1607.1	2373.8	2947.5	3022.9	2898.4	1843.9
75°	529.8	526.3	577.2	705.3	933.4	1403.6	2203.6	2791.3	2784.3	2659.8	1629.9
77.5°	356.2	366.7	403.5	500.0	708.8	1170.2	1940.4	2424.7	2400.1	2244.0	1373.7
80°	250.9	247.4	286.0	357.9	494.8	908.8	1573.8	1980.8	1951.0	1763.2	1072.0
82.5°	168.4	177.2	201.8	247.4	354.4	670.2	1193.0	1466.7	1433.4	1280.8	750.9
85°	110.5	114.0	136.8	173.7	245.6	461.4	815.8	989.5	929.9	835.1	491.2
87.5°	70.2	73.7	91.2	119.3	170.2	310.5	542.1	610.6	564.9	526.3	298.3
90°	42.1	45.6	59.7	82.5	117.5	208.8	328.1	354.4	315.8	287.7	180.7
92.5°	29.8	31.6	42.1	59.7	86.0	140.4	203.5	203.5	186.0	159.7	114.0
95°	21.1	22.8	31.6	45.6	64.9	96.5	128.1	121.1	107.0	100.0	77.2
97.5°	17.5	17.5	26.3	36.8	52.6	73.7	84.2	77.2	71.9	66.7	57.9
100°	14.0	15.8	22.8	31.6	43.9	56.1	61.4	56.1	50.9	49.1	43.9
102.5°	12.3	14.0	19.3	28.1	36.8	45.6	47.4	42.1	40.4	36.8	33.3
105°	10.5	12.3	15.8	24.6	31.6	38.6	38.6	35.1	31.6	29.8	26.3
107.5°	10.5	10.5	14.0	21.1	28.1	31.6	33.3	28.1	24.6	22.8	21.1
110°	8.8	8.8	12.3	17.5	24.6	28.1	28.1	22.8	19.3	17.5	15.8

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	8.8	8.8	12.3	15.8	21.1	24.6	22.8	19.3	15.8	14.0	14.0
115°	8.8	8.8	10.5	14.0	19.3	21.1	19.3	15.8	14.0	12.3	12.3
117.5°	7.0	8.8	10.5	14.0	17.5	19.3	17.5	14.0	12.3	10.5	10.5
120°	7.0	7.0	8.8	12.3	14.0	15.8	15.8	12.3	10.5	8.8	10.5
122.5°	7.0	7.0	8.8	10.5	14.0	14.0	14.0	10.5	8.8	8.8	8.8
125°	7.0	7.0	8.8	10.5	12.3	12.3	12.3	8.8	8.8	7.0	8.8
127.5°	7.0	7.0	7.0	8.8	10.5	12.3	10.5	8.8	7.0	7.0	8.8
130°	7.0	7.0	7.0	8.8	10.5	10.5	8.8	7.0	7.0	7.0	7.0
132.5°	7.0	7.0	7.0	8.8	8.8	8.8	8.8	7.0	7.0	7.0	7.0
135°	7.0	7.0	7.0	7.0	8.8	8.8	7.0	7.0	5.3	5.3	7.0
137.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	5.3	5.3	5.3	7.0
140°	7.0	5.3	5.3	7.0	7.0	7.0	5.3	5.3	5.3	5.3	5.3
142.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	3.5	5.3	5.3	5.3
145°	5.3	5.3	5.3	5.3	5.3	5.3	3.5	3.5	3.5	3.5	5.3
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
150°	3.5	3.5	3.5	3.5	3.5	3.5	1.8	3.5	3.5	3.5	3.5
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°	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
2.5°	93.0	93.0	91.2	89.5	87.7	86.0	86.0	86.0	86.0	84.2	84.2
5°	100.0	98.2	94.7	91.2	87.7	84.2	82.5	80.7	79.0	79.0	77.2
7.5°	114.0	110.5	103.5	96.5	91.2	86.0	82.5	79.0	77.2	75.4	75.4
10°	135.1	129.8	117.5	107.0	98.2	89.5	84.2	80.7	79.0	77.2	77.2
12.5°	161.4	154.4	136.8	121.1	107.0	96.5	91.2	86.0	84.2	82.5	82.5
15°	200.0	186.0	163.2	140.4	121.1	107.0	100.0	98.2	96.5	96.5	96.5
17.5°	242.1	226.3	191.2	159.7	135.1	121.1	114.0	112.3	114.0	114.0	114.0
20°	293.0	270.2	222.8	182.5	152.6	138.6	133.3	131.6	135.1	136.8	138.6
22.5°	352.6	317.6	254.4	205.3	173.7	157.9	150.9	152.6	157.9	163.2	163.2
25°	419.3	375.5	289.5	228.1	194.7	177.2	171.9	179.0	186.0	193.0	194.7
27.5°	484.2	428.1	324.6	252.6	215.8	194.7	194.7	201.8	219.3	226.3	229.8
30°	552.7	477.2	352.6	277.2	236.9	214.0	215.8	231.6	250.9	261.4	264.9
32.5°	614.1	522.8	375.5	298.3	254.4	233.3	235.1	256.2	282.5	296.5	298.3
35°	675.5	556.2	394.8	317.6	270.2	247.4	254.4	282.5	310.5	326.3	328.1
37.5°	721.1	582.5	403.5	329.8	284.2	257.9	268.4	303.5	335.1	349.1	350.9
40°	763.2	598.3	407.0	338.6	293.0	268.4	280.7	321.1	352.6	366.7	366.7
42.5°	794.8	603.5	405.3	342.1	300.0	273.7	289.5	333.3	364.9	375.5	377.2
45°	828.1	608.8	398.3	342.1	301.8	277.2	293.0	338.6	370.2	377.2	377.2
47.5°	863.2	612.3	389.5	338.6	300.0	277.2	296.5	342.1	370.2	373.7	373.7
50°	912.3	621.1	379.0	331.6	296.5	275.5	296.5	342.1	366.7	363.2	363.2
52.5°	957.9	633.4	368.4	324.6	291.2	271.9	294.7	340.4	359.7	350.9	350.9
55°	1014.1	642.1	356.2	314.0	284.2	266.7	289.5	333.3	349.1	338.6	336.9
57.5°	1077.2	659.7	345.6	301.8	275.5	261.4	284.2	326.3	338.6	322.8	321.1
60°	1142.2	673.7	333.3	291.2	266.7	252.6	275.5	315.8	324.6	308.8	307.0
62.5°	1191.3	686.0	321.1	280.7	257.9	243.9	266.7	303.5	310.5	294.7	293.0
65°	1233.4	691.3	307.0	268.4	247.4	235.1	256.2	289.5	294.7	280.7	279.0
67.5°	1243.9	680.7	289.5	254.4	235.1	224.6	242.1	273.7	280.7	268.4	264.9
70°	1217.6	652.7	273.7	242.1	224.6	212.3	228.1	256.2	263.2	252.6	252.6
72.5°	1138.6	605.3	254.4	226.3	210.5	198.3	212.3	236.9	245.6	240.4	236.9
75°	1015.8	533.4	231.6	210.5	194.7	184.2	194.7	217.6	226.3	224.6	224.6
77.5°	840.4	454.4	207.0	189.5	179.0	168.4	179.0	196.5	207.0	208.8	207.0
80°	647.4	359.7	179.0	168.4	161.4	152.6	161.4	177.2	186.0	189.5	187.7
82.5°	466.7	273.7	150.9	147.4	142.1	138.6	142.1	154.4	166.7	168.4	168.4
85°	322.8	198.3	126.3	126.3	122.8	121.1	124.6	133.3	142.1	145.6	145.6
87.5°	208.8	142.1	101.8	105.3	107.0	105.3	107.0	110.5	119.3	122.8	121.1
90°	136.8	101.8	84.2	87.7	91.2	91.2	89.5	91.2	100.0	101.8	101.8
92.5°	91.2	77.2	71.9	73.7	77.2	79.0	77.2	77.2	82.5	84.2	82.5
95°	68.4	63.2	61.4	63.2	66.7	66.7	66.7	64.9	68.4	70.2	68.4
97.5°	52.6	50.9	52.6	54.4	57.9	57.9	57.9	56.1	57.9	57.9	56.1
100°	42.1	42.1	45.6	47.4	49.1	49.1	49.1	49.1	49.1	45.6	45.6
102.5°	33.3	35.1	38.6	42.1	42.1	43.9	42.1	42.1	40.4	38.6	36.8
105°	28.1	28.1	33.3	35.1	36.8	36.8	36.8	35.1	33.3	29.8	29.8
107.5°	21.1	22.8	28.1	29.8	31.6	31.6	31.6	29.8	28.1	24.6	24.6
110°	17.5	19.3	22.8	26.3	28.1	28.1	28.1	26.3	22.8	19.3	19.3

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.8	15.8	19.3	22.8	22.8	24.6	24.6	22.8	19.3	15.8	17.5
115°	12.3	14.0	17.5	19.3	21.1	21.1	21.1	19.3	15.8	14.0	14.0
117.5°	12.3	12.3	15.8	17.5	17.5	19.3	17.5	15.8	14.0	12.3	12.3
120°	10.5	12.3	14.0	15.8	15.8	15.8	15.8	14.0	12.3	12.3	12.3
122.5°	10.5	10.5	12.3	14.0	14.0	14.0	14.0	12.3	10.5	10.5	10.5
125°	8.8	10.5	10.5	12.3	12.3	12.3	12.3	10.5	10.5	10.5	10.5
127.5°	8.8	8.8	10.5	10.5	10.5	10.5	10.5	10.5	8.8	8.8	8.8
130°	8.8	8.8	8.8	10.5	10.5	10.5	10.5	8.8	8.8	8.8	8.8
132.5°	7.0	7.0	8.8	8.8	8.8	8.8	8.8	8.8	7.0	8.8	8.8
135°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
137.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
140°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	7.0	7.0
142.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
145°	5.3	5.3	5.3	3.5	3.5	3.5	5.3	5.3	5.3	5.3	5.3
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3	5.3
150°	3.5	3.5	3.5	3.5	1.8	3.5	3.5	3.5	3.5	3.5	3.5
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)