

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: P695082

Luminaire Tested: **LXF.LXT-PA16-40-730-U-T3-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695082  
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-PA16-40-730-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 740mA 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: 4264.1 lumens  
Efficiency: N/A  
Efficacy: 106.1 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 - G2

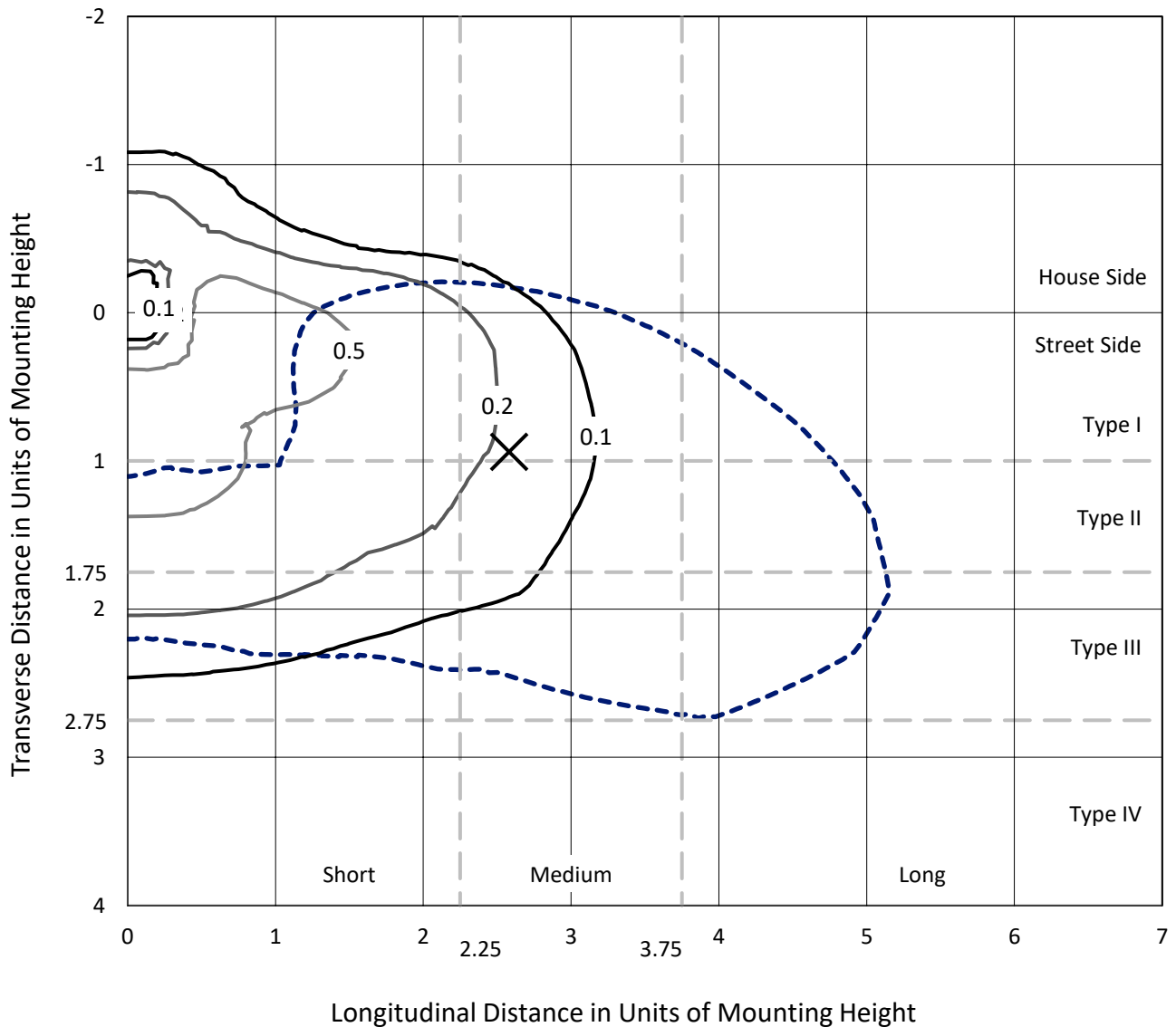
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

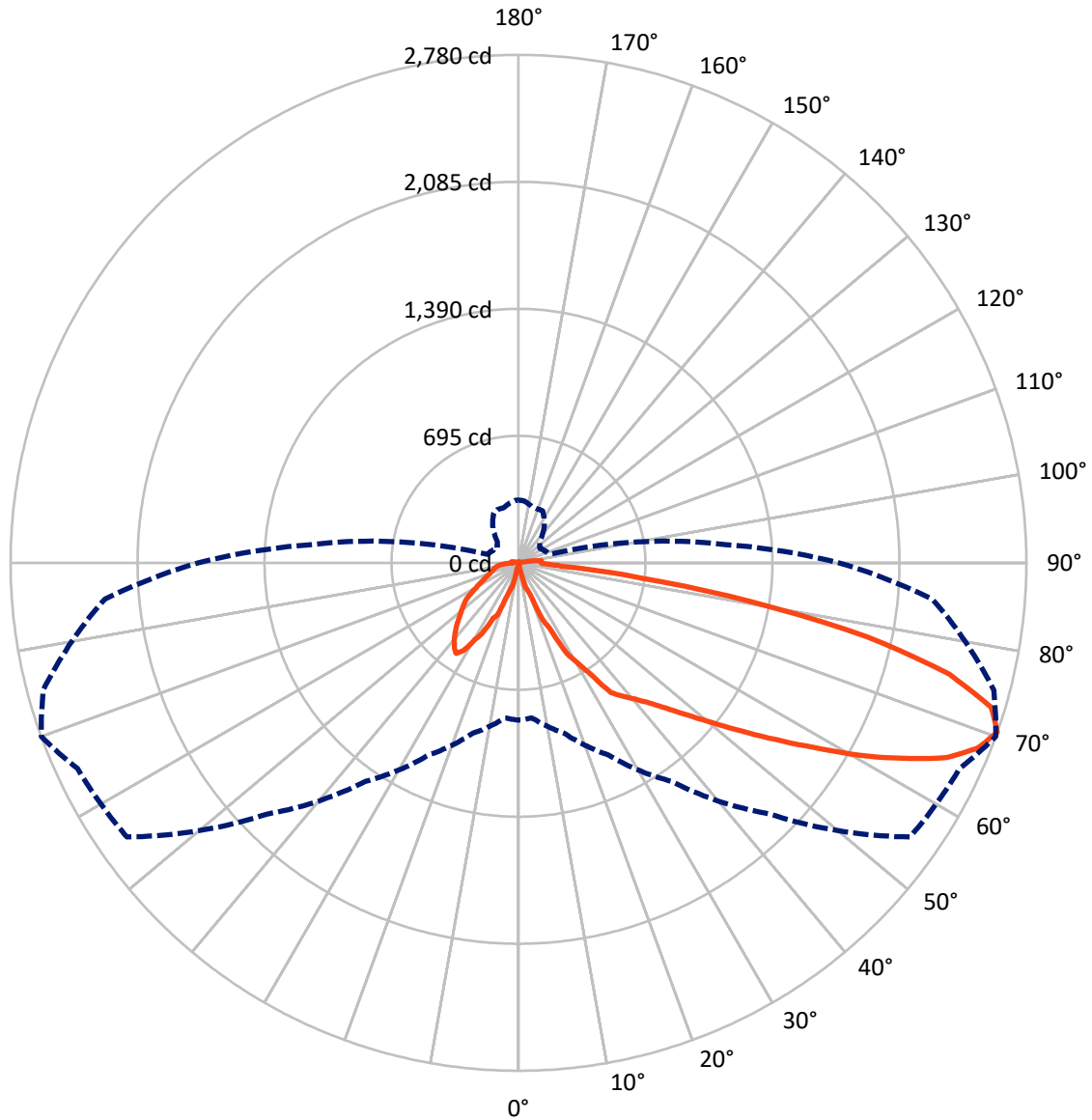
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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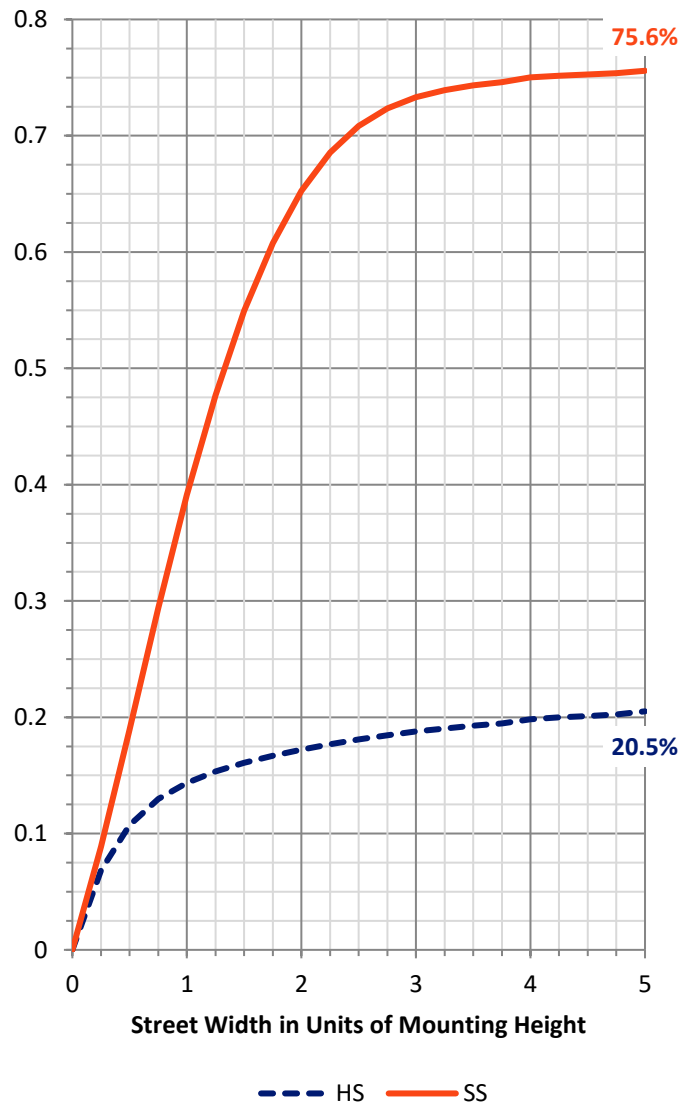
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	927.9	46.0	973.9
	% Fixture	21.8	1.1	22.8
<b>Street Side</b>	Lumens	3249.7	40.5	3290.2
	% Fixture	76.2	0.9	77.2
<b>Total</b>	Lumens	4177.6	86.5	4264.1
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	30.4	0.7
20°-30°	174.2	4.1
30°-40°	402.2	9.4
40°-50°	589.1	13.8
50°-60°	871.3	20.4
60°-70°	1142.8	26.8
70°-80°	776.1	18.2
80°-90°	190.9	4.5
90°-100°	62.7	1.5
100°-110°	11.2	0.3
110°-120°	4.5	0.1
120°-130°	3.5	0.1
130°-140°	2.5	0.1
140°-150°	1.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4177.6	98.0
0°-180°	4264.1	100.0

**Coefficient of Utilization**

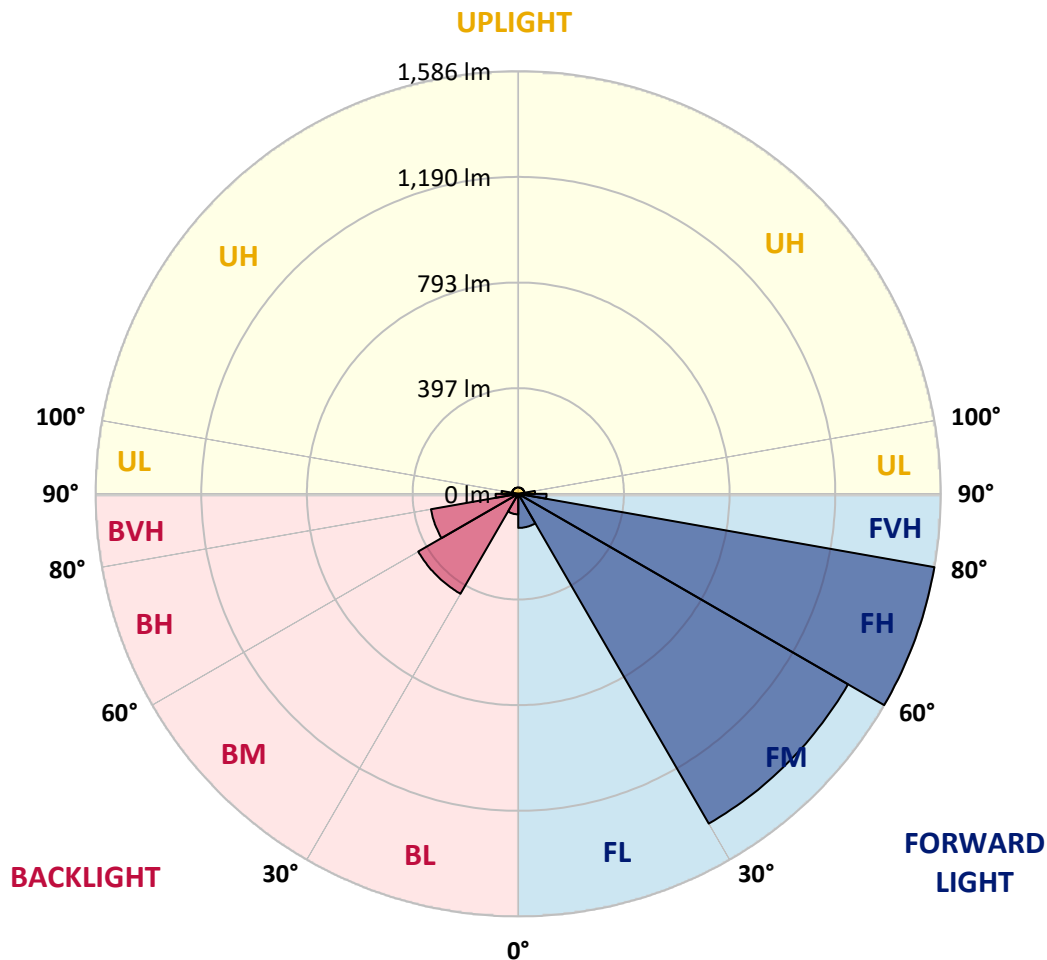


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	128.0	3.0			
FM (30°-60°)	1429.3	33.5			
FH (60°-80°)	1586.2	37.2			G1/1800
FVH (80°-90°)	106.1	2.5			G2/225
BL (0°-30°)	77.0	1.8	B0/110		
BM (30°-60°)	433.3	10.2	B1/1000		
BH (60°-80°)	332.7	7.8	B1/500		G1/500
BVH (80°-90°)	84.8	2.0			G1/100
UL (90°-100°)	62.7	1.5		U3/500	
UH (100°-180°)	23.8	0.6		U2/50	

**BUG Rating: B1-U3-G2**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
5°	3.0	3.0	3.0	3.0	4.5	4.5	3.0	3.0	3.0	3.0	3.0
7.5°	4.5	3.0	3.0	4.5	4.5	4.5	4.5	3.0	3.0	3.0	3.0
10°	25.4	26.9	17.9	10.4	7.5	4.5	4.5	4.5	4.5	4.5	4.5
12.5°	137.3	135.8	132.8	92.5	32.8	10.4	7.5	13.4	16.4	20.9	29.8
15°	155.2	156.7	152.2	150.7	141.8	53.7	28.4	125.3	137.3	138.8	138.8
17.5°	216.4	214.9	194.0	170.1	159.7	165.6	132.8	149.2	155.2	158.2	159.7
20°	364.1	362.6	358.1	305.9	197.0	241.7	234.3	177.6	188.0	241.7	307.4
22.5°	405.9	402.9	396.9	382.0	395.4	276.1	268.6	311.9	338.7	355.2	353.7
25°	622.3	628.2	517.8	429.8	437.2	377.5	405.9	402.9	395.4	398.4	402.9
27.5°	692.4	686.4	677.5	634.2	486.5	513.3	462.6	514.8	562.6	589.4	582.0
30°	887.9	886.4	780.4	705.8	638.7	556.6	576.0	649.1	632.7	637.2	613.3
32.5°	1037.1	1035.6	1020.7	871.5	723.7	629.7	683.4	686.4	728.2	810.3	817.7
35°	1095.3	1089.3	1078.9	970.0	823.7	741.6	722.2	849.1	873.0	875.9	855.1
37.5°	1155.0	1147.5	1138.6	1017.7	922.2	786.4	828.2	925.2	925.2	944.6	892.4
40°	1189.3	1189.3	1187.8	1058.0	967.0	826.7	880.4	983.4	980.4	993.8	944.6
42.5°	1232.6	1228.1	1244.5	1099.8	1013.2	868.5	931.2	1038.6	1047.6	1081.9	1014.7
45°	1293.8	1299.7	1307.2	1189.3	1075.9	929.7	990.8	1125.1	1134.1	1180.4	1116.2
47.5°	1360.9	1368.4	1395.2	1283.3	1177.4	1007.3	1041.6	1223.6	1244.5	1301.2	1244.5
50°	1444.5	1446.0	1484.8	1377.3	1307.2	1117.7	1134.1	1319.1	1374.3	1425.1	1390.8
52.5°	1504.2	1510.1	1557.9	1498.2	1426.6	1250.5	1268.4	1443.0	1529.5	1592.2	1548.9
55°	1556.4	1560.9	1605.6	1590.7	1526.6	1352.0	1443.0	1610.1	1707.1	1760.8	1742.9
57.5°	1575.8	1580.3	1647.4	1659.4	1628.0	1480.3	1626.5	1775.8	1905.6	1965.3	1935.4
60°	1562.4	1562.4	1644.4	1708.6	1739.9	1622.1	1820.5	1962.3	2138.4	2178.7	2189.1
62.5°	1517.6	1529.5	1629.5	1729.5	1820.5	1760.8	2017.5	2193.6	2356.2	2393.5	2369.7
65°	1419.1	1422.1	1528.1	1684.7	1829.5	1911.6	2269.7	2389.1	2572.6	2559.2	2457.7
67.5°	1232.6	1211.7	1304.2	1525.1	1731.0	1989.2	2480.1	2554.7	2708.4	2663.6	2435.3
70°	861.0	852.1	965.5	1159.5	1459.4	1944.4	2615.9	2663.6	2780.0	2693.5	2272.7
72.5°	408.9	441.7	498.4	664.0	1011.7	1641.5	2578.6	2653.2	2705.4	2606.9	1974.2
75°	179.1	183.5	213.4	301.4	520.8	1037.1	2256.3	2383.1	2435.3	2323.4	1554.9
77.5°	128.3	128.3	141.8	164.1	237.3	495.4	1537.0	1887.7	1954.8	1845.9	1089.3
80°	100.0	100.0	110.4	125.3	147.7	204.4	958.0	1265.4	1289.3	1128.1	607.3
82.5°	74.6	77.6	86.5	94.0	108.9	140.3	410.4	650.6	667.0	523.8	317.8
85°	53.7	53.7	59.7	59.7	71.6	108.9	211.9	238.8	237.3	210.4	197.0
87.5°	17.9	17.9	14.9	17.9	29.8	68.6	132.8	134.3	128.3	146.2	165.6
90°	20.9	20.9	14.9	16.4	22.4	62.7	128.3	128.3	122.4	131.3	165.6
92.5°	22.4	22.4	16.4	16.4	19.4	55.2	129.8	135.8	128.3	132.8	164.1
95°	22.4	22.4	16.4	14.9	17.9	37.3	125.3	125.3	120.9	117.9	129.8
97.5°	13.4	13.4	10.4	11.9	14.9	19.4	74.6	77.6	68.6	53.7	70.1
100°	9.0	9.0	7.5	9.0	10.4	10.4	35.8	37.3	28.4	13.4	14.9
102.5°	9.0	9.0	6.0	7.5	6.0	6.0	10.4	13.4	9.0	9.0	11.9
105°	9.0	10.4	4.5	4.5	4.5	4.5	4.5	9.0	7.5	7.5	11.9
107.5°	9.0	9.0	4.5	4.5	4.5	4.5	3.0	4.5	6.0	7.5	13.4
110°	4.5	6.0	3.0	4.5	3.0	4.5	3.0	4.5	6.0	6.0	10.4

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	3.0	3.0	1.5	3.0	3.0	3.0	3.0	4.5	4.5	4.5	7.5
115°	3.0	3.0	1.5	1.5	1.5	3.0	3.0	3.0	4.5	4.5	7.5
117.5°	3.0	3.0	1.5	1.5	1.5	1.5	3.0	3.0	3.0	4.5	7.5
120°	4.5	3.0	1.5	1.5	1.5	1.5	3.0	3.0	4.5	4.5	7.5
122.5°	4.5	3.0	1.5	1.5	1.5	1.5	1.5	3.0	3.0	4.5	7.5
125°	4.5	3.0	1.5	1.5	1.5	1.5	1.5	3.0	3.0	4.5	7.5
127.5°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0	3.0	4.5	7.5
130°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0	3.0	4.5	6.0
132.5°	3.0	3.0	1.5	1.5	1.5	1.5	3.0	3.0	3.0	3.0	6.0
135°	3.0	3.0	1.5	1.5	1.5	1.5	3.0	3.0	3.0	3.0	4.5
137.5°	3.0	3.0	1.5	1.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0
140°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
142.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
145°	4.5	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	4.5	4.5	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5
150°	4.5	4.5	4.5	3.0	3.0	1.5	3.0	3.0	3.0	3.0	4.5
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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5
5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5
7.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
10°	4.5	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5
12.5°	26.9	26.9	20.9	10.4	4.5	3.0	3.0	3.0	4.5	7.5	6.0
15°	141.8	141.8	138.8	126.8	26.9	7.5	6.0	13.4	59.7	107.4	108.9
17.5°	162.7	161.2	158.2	150.7	134.3	47.8	46.3	125.3	134.3	140.3	141.8
20°	305.9	302.9	234.3	167.1	146.2	144.7	126.8	141.8	146.2	149.2	150.7
22.5°	349.2	344.7	328.3	289.5	167.1	197.0	185.0	153.7	229.8	246.2	246.2
25°	401.4	389.5	356.6	311.9	285.0	207.4	213.4	223.8	237.3	240.3	240.3
27.5°	571.5	561.1	513.3	343.2	305.9	244.7	247.7	226.8	238.8	273.1	277.6
30°	598.4	582.0	538.7	423.8	317.8	274.6	237.3	265.6	279.0	277.6	279.0
32.5°	796.9	780.4	692.4	435.7	341.7	258.2	259.6	265.6	274.6	289.5	299.9
35°	828.2	810.3	710.3	495.4	326.8	256.7	256.7	268.6	308.9	314.9	314.9
37.5°	862.5	847.6	702.8	462.6	329.8	256.7	249.2	274.6	291.0	289.5	289.5
40°	922.2	898.3	683.4	422.3	299.9	246.2	249.2	258.2	267.1	258.2	253.7
42.5°	992.3	949.1	658.1	380.5	276.1	232.8	235.8	238.8	238.8	222.3	220.9
45°	1081.9	1001.3	623.8	341.7	253.7	216.4	223.8	219.4	219.4	205.9	204.4
47.5°	1183.3	1055.0	582.0	307.4	234.3	201.5	211.9	207.4	210.4	198.5	197.0
50°	1301.2	1125.1	541.7	282.0	217.9	194.0	200.0	205.9	210.4	195.5	194.0
52.5°	1425.1	1193.8	513.3	253.7	202.9	185.0	204.4	205.9	208.9	194.0	194.0
55°	1577.3	1278.8	479.0	232.8	192.5	177.6	214.9	214.9	210.4	197.0	195.5
57.5°	1741.4	1363.9	414.8	213.4	183.5	173.1	219.4	226.8	216.4	200.0	200.0
60°	1893.6	1449.0	341.7	198.5	174.6	171.6	222.3	232.8	223.8	208.9	208.9
62.5°	2010.0	1490.7	286.5	186.5	164.1	167.1	220.9	244.7	241.7	234.3	234.3
65°	2023.5	1453.4	240.3	176.1	155.2	165.6	217.9	256.7	258.2	270.1	271.6
67.5°	1951.8	1334.1	204.4	167.1	147.7	161.2	219.4	282.0	289.5	311.9	308.9
70°	1754.9	1140.1	177.6	156.7	141.8	162.7	246.2	313.4	311.9	340.2	343.2
72.5°	1465.4	902.8	161.2	150.7	144.7	174.6	277.6	322.3	316.4	347.7	344.7
75°	1111.7	637.2	147.7	143.3	140.3	177.6	285.0	313.4	301.4	322.3	319.3
77.5°	731.2	419.3	134.3	134.3	135.8	170.1	273.1	298.4	283.5	297.0	295.5
80°	411.9	249.2	120.9	126.8	129.8	162.7	255.2	277.6	262.6	273.1	273.1
82.5°	247.7	177.6	105.9	116.4	119.4	161.2	238.8	258.2	244.7	250.7	243.2
85°	168.6	129.8	83.6	98.5	111.9	155.2	225.3	238.8	214.9	210.4	204.4
87.5°	137.3	101.5	46.3	62.7	83.6	132.8	179.1	180.6	158.2	155.2	153.7
90°	134.3	94.0	32.8	34.3	55.2	92.5	117.9	113.4	105.9	107.4	105.9
92.5°	131.3	89.5	35.8	37.3	55.2	73.1	100.0	98.5	91.0	98.5	97.0
95°	111.9	77.6	37.3	40.3	47.8	44.8	73.1	77.6	71.6	76.1	77.6
97.5°	58.2	41.8	35.8	40.3	35.8	26.9	43.3	49.2	37.3	29.8	32.8
100°	19.4	13.4	35.8	41.8	26.9	19.4	31.3	35.8	22.4	9.0	9.0
102.5°	11.9	11.9	25.4	32.8	19.4	10.4	20.9	25.4	16.4	7.5	7.5
105°	11.9	11.9	10.4	17.9	7.5	6.0	7.5	13.4	9.0	7.5	7.5
107.5°	13.4	11.9	6.0	6.0	6.0	4.5	4.5	6.0	6.0	7.5	7.5
110°	11.9	10.4	6.0	6.0	4.5	4.5	4.5	4.5	6.0	9.0	9.0

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.5	9.0	6.0	4.5	4.5	4.5	4.5	4.5	6.0	9.0	9.0
115°	7.5	7.5	4.5	4.5	3.0	4.5	4.5	4.5	6.0	9.0	10.4
117.5°	9.0	7.5	4.5	3.0	3.0	3.0	3.0	4.5	6.0	10.4	10.4
120°	9.0	7.5	4.5	4.5	3.0	3.0	3.0	4.5	6.0	10.4	11.9
122.5°	9.0	7.5	4.5	3.0	3.0	3.0	3.0	4.5	6.0	10.4	11.9
125°	7.5	7.5	4.5	3.0	3.0	3.0	3.0	4.5	6.0	10.4	10.4
127.5°	7.5	7.5	4.5	3.0	3.0	3.0	3.0	4.5	6.0	10.4	10.4
130°	7.5	6.0	4.5	3.0	3.0	3.0	3.0	4.5	6.0	9.0	10.4
132.5°	6.0	6.0	4.5	3.0	3.0	3.0	3.0	3.0	6.0	9.0	9.0
135°	4.5	4.5	3.0	3.0	3.0	3.0	3.0	3.0	4.5	6.0	7.5
137.5°	3.0	3.0	3.0	3.0	1.5	1.5	3.0	3.0	4.5	4.5	6.0
140°	3.0	3.0	3.0	3.0	1.5	1.5	3.0	3.0	3.0	4.5	4.5
142.5°	3.0	3.0	3.0	3.0	1.5	1.5	3.0	3.0	3.0	4.5	4.5
145°	3.0	3.0	3.0	3.0	1.5	1.5	3.0	3.0	3.0	4.5	4.5
147.5°	4.5	3.0	3.0	3.0	1.5	1.5	3.0	3.0	3.0	4.5	4.5
150°	4.5	3.0	3.0	1.5	1.5	1.5	1.5	3.0	3.0	4.5	4.5
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)