

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: P695935

Luminaire Tested: **LXF.LXT-PA16-740-U-5WQ**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695935  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-740-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8019 lumens  
Efficiency: N/A  
Efficacy: 111.4 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

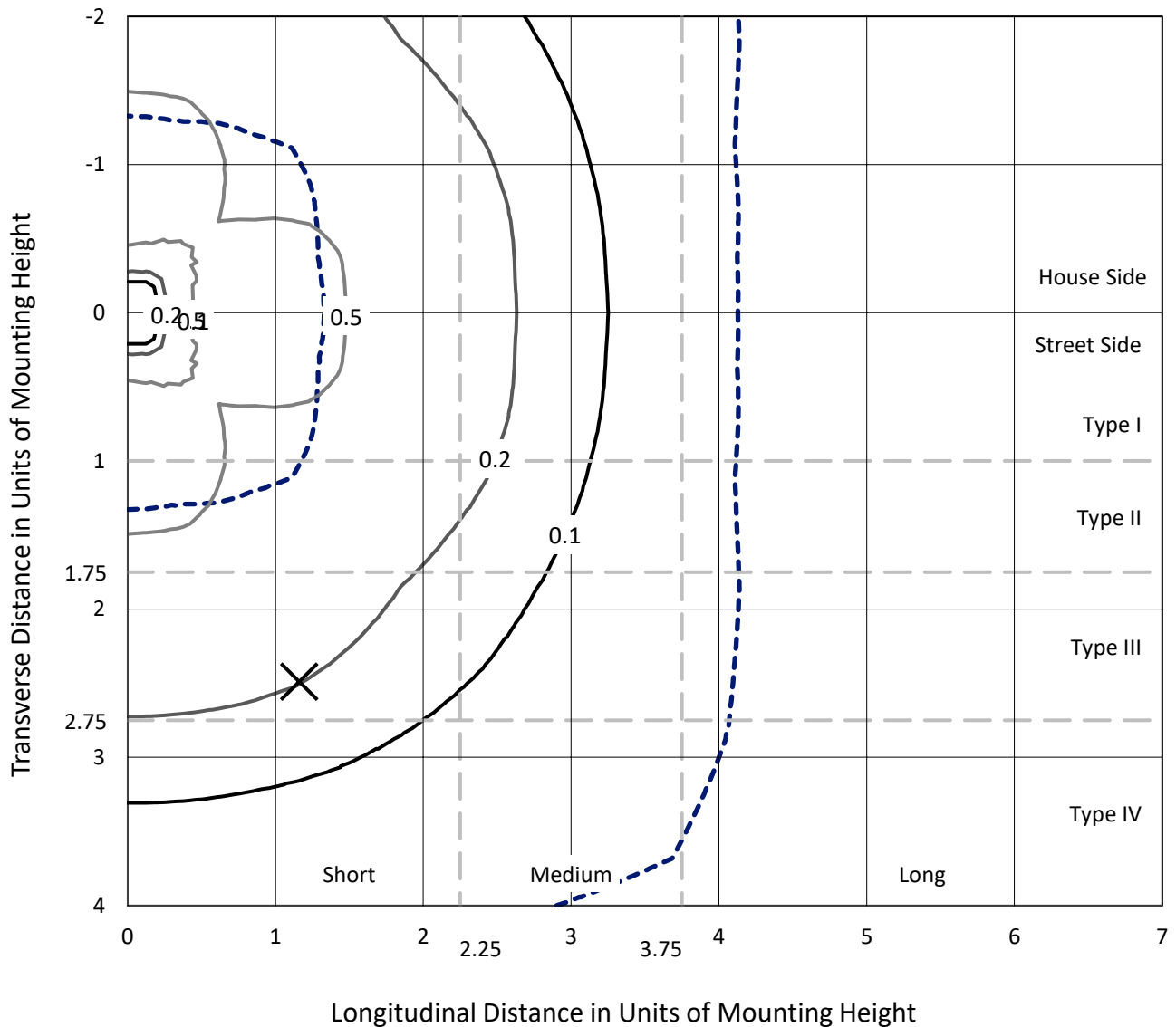
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

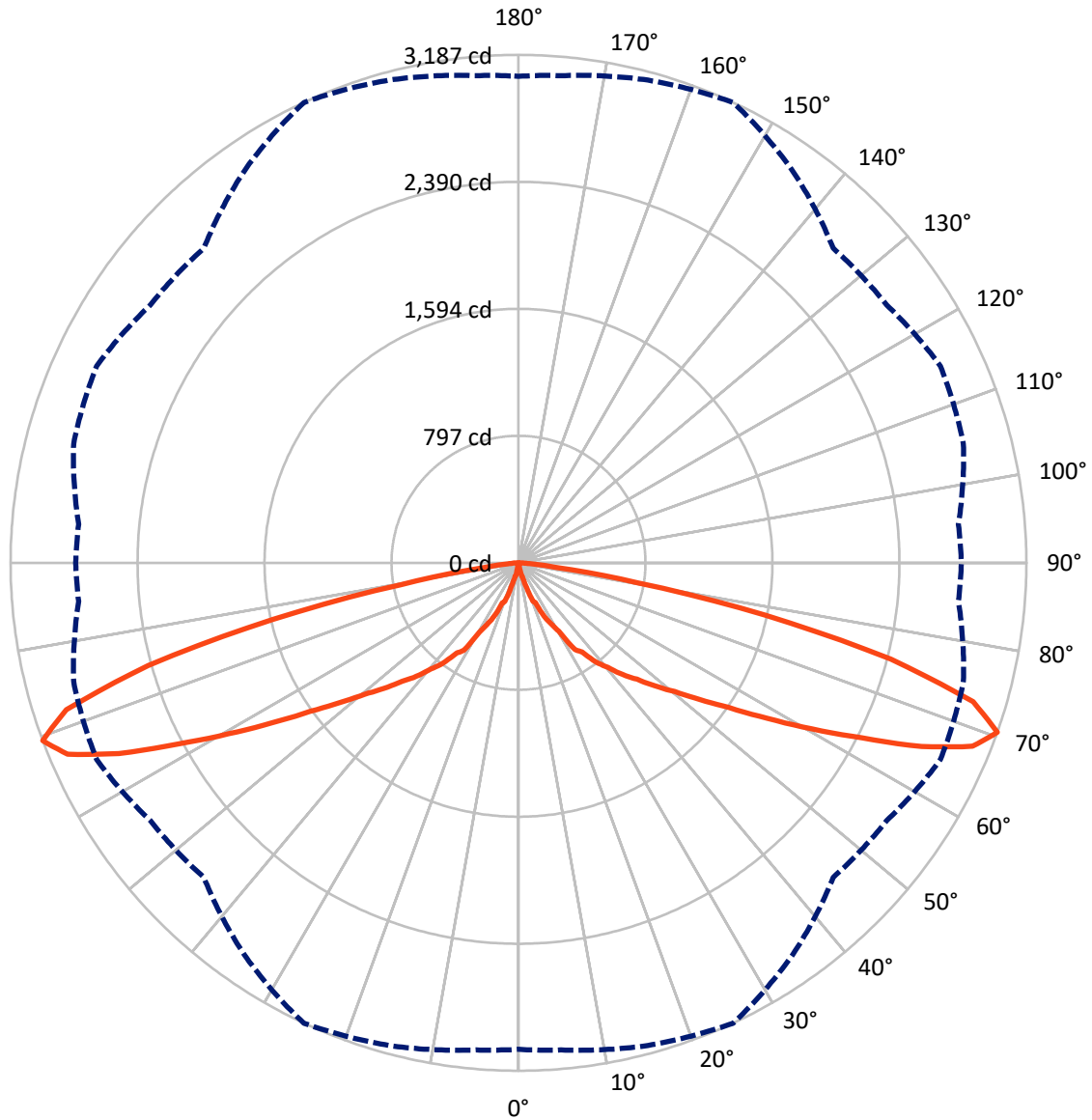
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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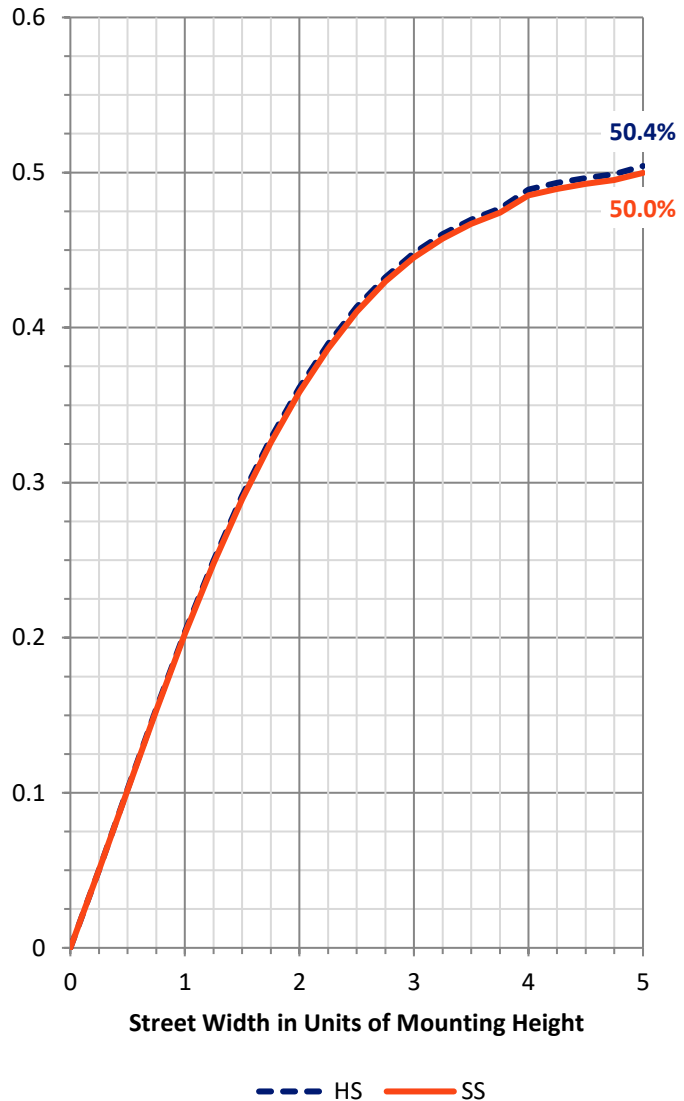
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4009.5	0.0	4009.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4009.5	0.0	4009.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8019.0	0.0	8019.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	34.9	0.4
20°-30°	186.5	2.3
30°-40°	460.8	5.7
40°-50°	823.5	10.3
50°-60°	1466.9	18.3
60°-70°	2585.2	32.2
70°-80°	2247.5	28.0
80°-90°	213.6	2.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8019.0	100.0
0°-180°	8019.0	100.0

**Coefficient of Utilization**



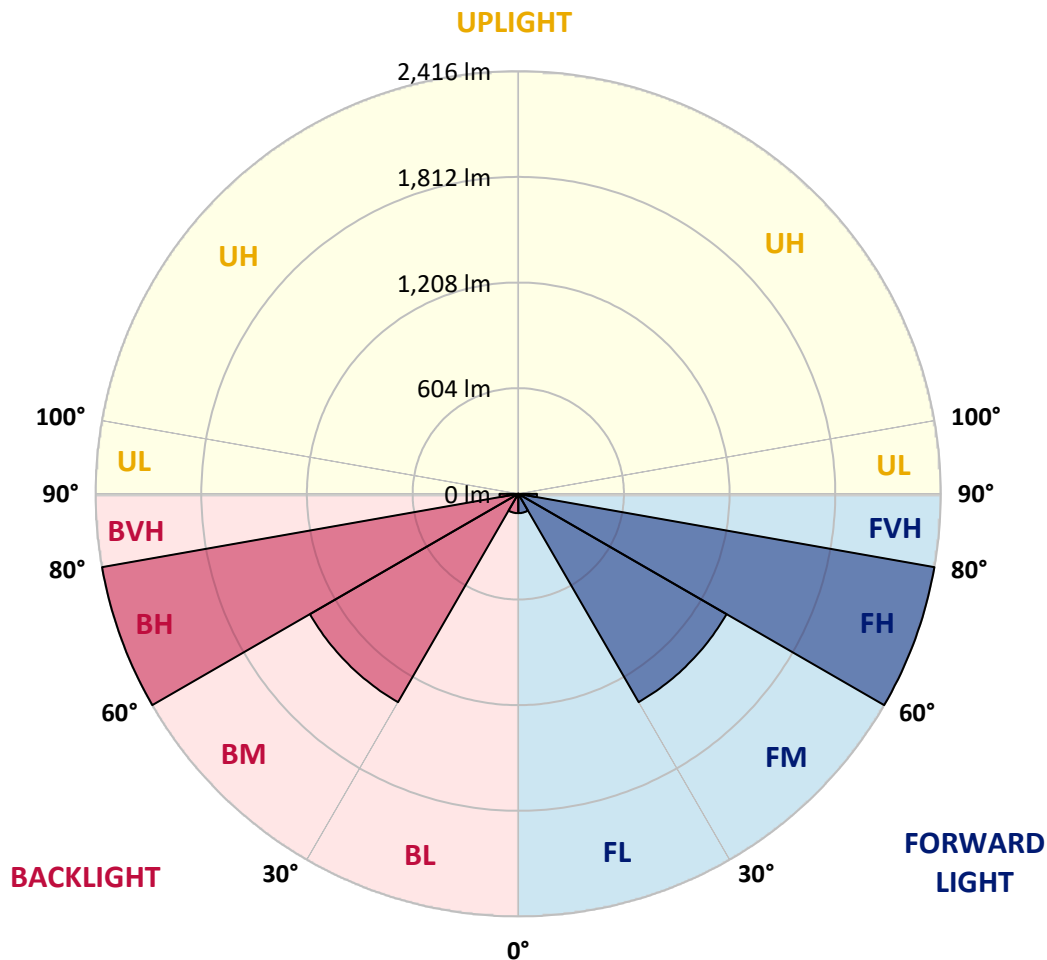
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.7	1.4			
FM (30°-60°)	1375.6	17.2			
FH (60°-80°)	2416.4	30.1			G2/5000
FVH (80°-90°)	106.8	1.3			G2/225
BL (0°-30°)	110.7	1.4	B1/500		
BM (30°-60°)	1375.6	17.2	B2/2500		
BH (60°-80°)	2416.4	30.1	B3/2500		G2/5000
BVH (80°-90°)	106.8	1.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	20.7	20.7	15.5	7.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	87.9	87.9	85.3	80.1	41.4	5.2	2.6	5.2	23.3	31.0	33.6
15°	108.6	103.4	98.2	90.5	85.3	59.5	31.0	142.2	168.0	173.2	173.2
17.5°	255.9	253.3	237.8	160.3	95.6	98.2	188.7	173.2	178.4	183.5	183.5
20°	274.0	274.0	266.3	258.5	178.4	201.6	217.1	186.1	230.1	323.1	323.1
22.5°	369.7	361.9	297.3	271.4	310.2	268.8	237.8	330.9	364.5	372.2	374.8
25°	465.3	465.3	452.4	369.7	338.6	323.1	351.6	392.9	390.3	413.6	421.4
27.5°	504.1	501.5	475.6	434.3	444.6	413.6	426.5	444.6	550.6	573.9	576.5
30°	682.4	682.4	666.9	498.9	475.6	473.1	491.2	550.6	584.2	602.3	610.1
32.5°	716.0	713.5	700.5	648.8	540.3	527.3	573.9	581.6	770.3	809.1	811.7
35°	845.3	847.9	814.3	687.6	669.5	602.3	612.6	741.9	816.9	847.9	850.5
37.5°	909.9	907.3	891.8	791.0	705.7	656.6	710.9	791.0	868.6	909.9	912.5
40°	982.3	982.3	961.6	863.4	788.4	705.7	770.3	858.2	951.3	982.3	984.9
42.5°	1057.3	1062.4	1041.8	959.0	858.2	762.6	840.1	938.4	1046.9	1062.4	1067.6
45°	1176.2	1168.4	1145.2	1041.8	933.2	832.4	915.1	1039.2	1152.9	1173.6	1178.8
47.5°	1297.7	1289.9	1261.5	1155.5	1034.0	920.3	1013.3	1163.3	1277.0	1292.5	1305.4
50°	1419.2	1408.8	1401.1	1269.2	1155.5	1036.6	1129.6	1292.5	1401.1	1416.6	1419.2
52.5°	1553.6	1551.0	1548.4	1424.3	1308.0	1171.0	1274.4	1434.7	1551.0	1553.6	1556.2
55°	1721.6	1719.0	1724.2	1602.7	1509.6	1364.9	1457.9	1618.2	1724.2	1711.3	1711.3
57.5°	1915.5	1907.7	1920.7	1840.5	1757.8	1582.0	1680.3	1817.3	1912.9	1887.1	1889.6
60°	2145.6	2153.3	2179.2	2114.5	2021.5	1848.3	1956.9	2039.6	2140.4	2106.8	2106.8
62.5°	2448.0	2442.8	2471.3	2419.6	2300.7	2145.6	2254.1	2303.2	2419.6	2383.4	2383.4
65°	2760.8	2776.3	2791.8	2778.9	2603.1	2414.4	2533.3	2639.3	2688.4	2634.1	2631.5
67.5°	3032.2	3021.9	3076.2	3073.6	2853.8	2631.5	2737.5	2871.9	2892.6	2807.3	2809.9
70°	3052.9	3068.4	3135.6	3187.3	3001.2	2791.8	2820.2	2921.1	2890.0	2771.1	2778.9
72.5°	2768.5	2786.6	2851.3	2983.1	2941.7	2859.0	2745.3	2703.9	2608.3	2515.2	2528.1
75°	2034.4	2049.9	2199.8	2411.8	2569.5	2644.5	2442.8	2277.4	2171.4	2078.3	2099.0
77.5°	1101.2	1132.2	1313.2	1582.0	1925.8	2086.1	1912.9	1636.3	1349.4	1220.1	1181.3
80°	421.4	411.0	524.8	754.8	1093.5	1326.1	1173.6	819.4	517.0	382.6	392.9
82.5°	108.6	118.9	168.0	230.1	447.2	692.8	522.2	255.9	162.9	131.8	111.2
85°	33.6	33.6	54.3	67.2	129.3	204.2	106.0	69.8	56.9	33.6	28.4
87.5°	7.8	10.3	15.5	18.1	20.7	12.9	12.9	7.8	2.6	2.6	0.0
90°	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)