

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: P694795

Luminaire Tested: **LXF.LXT-PA16-30-730-U-5WQ**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694795  
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-PA16-30-730-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3666 lumens  
Efficiency: N/A  
Efficacy: 125.5 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

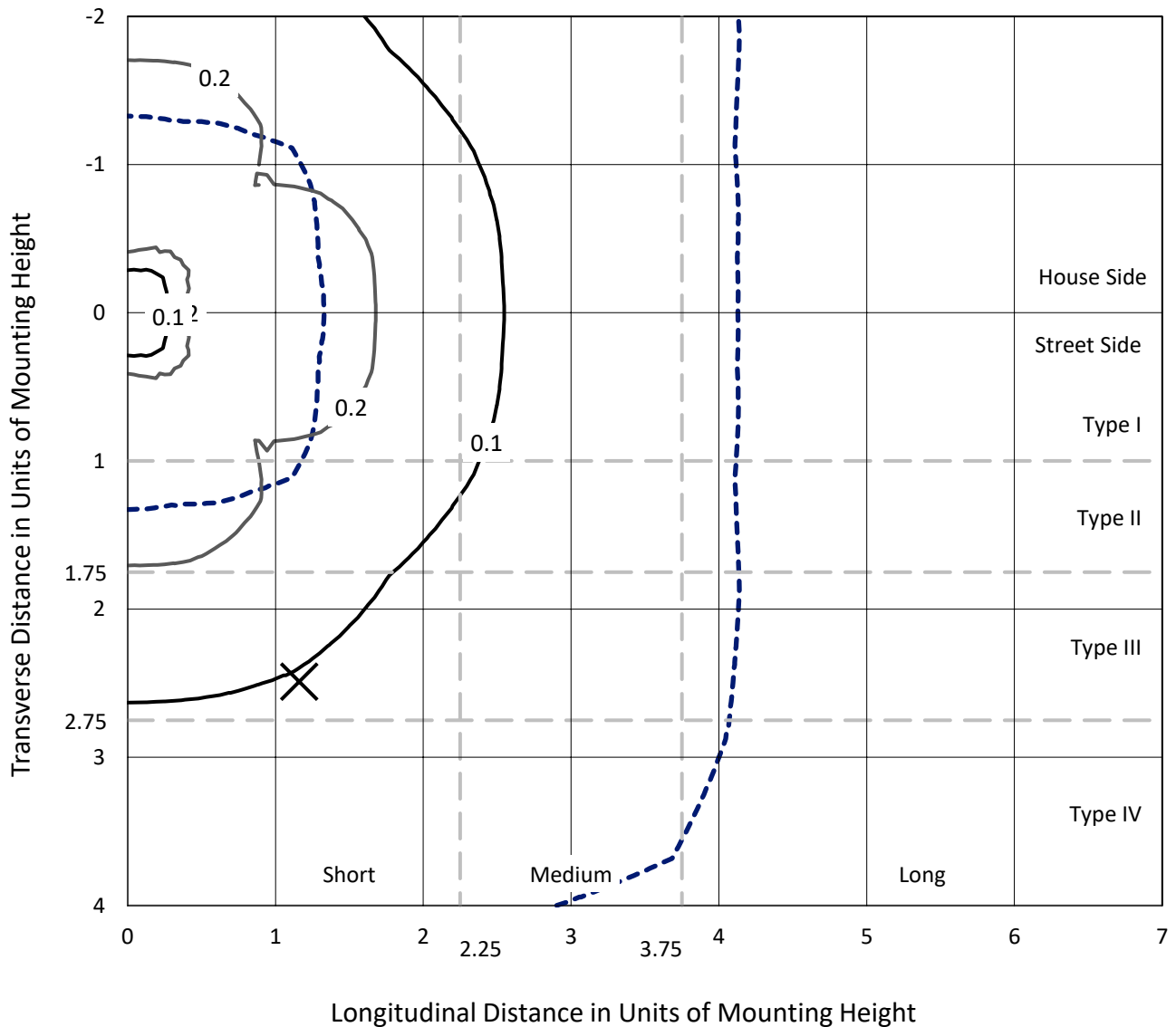
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

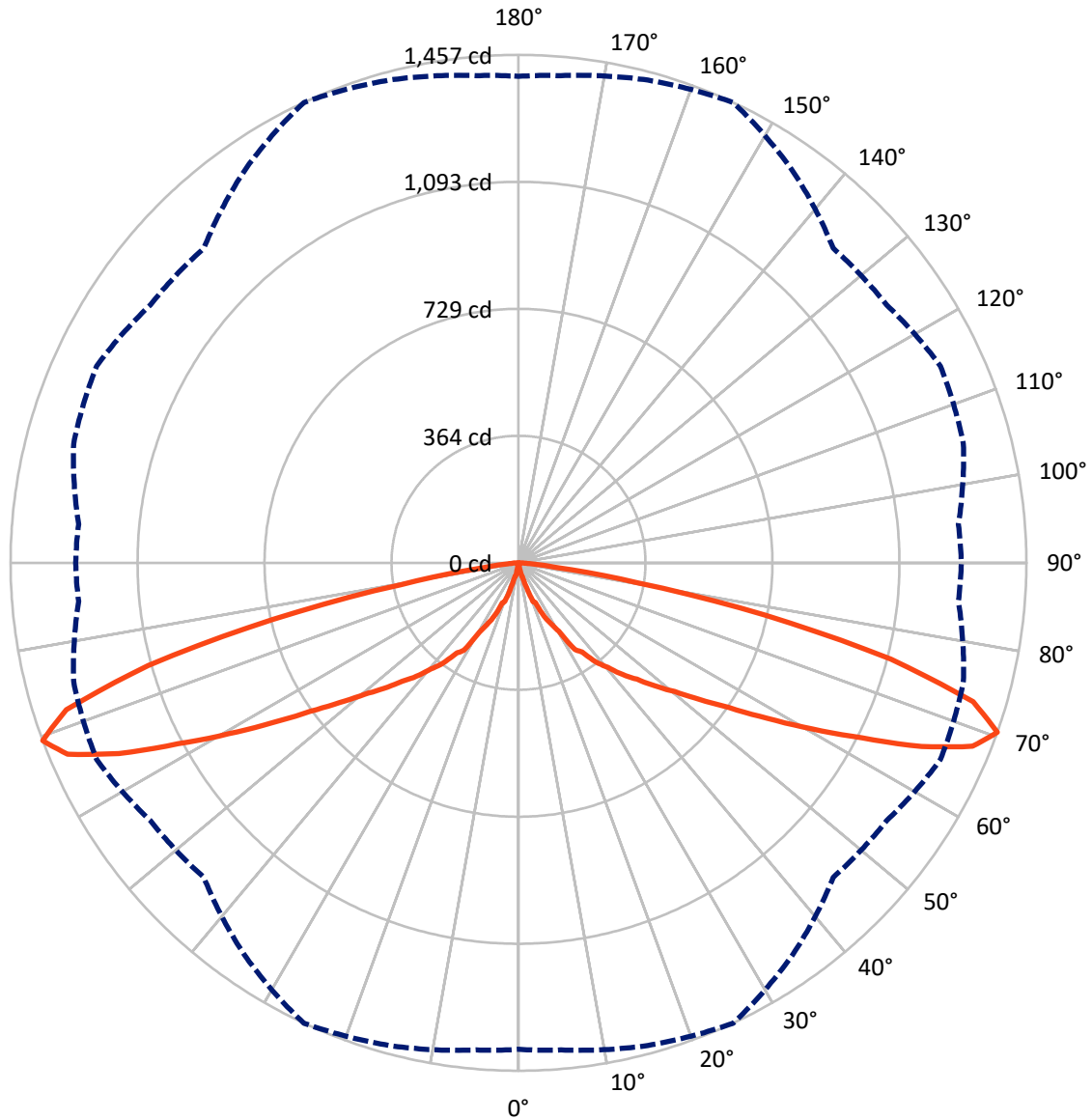
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 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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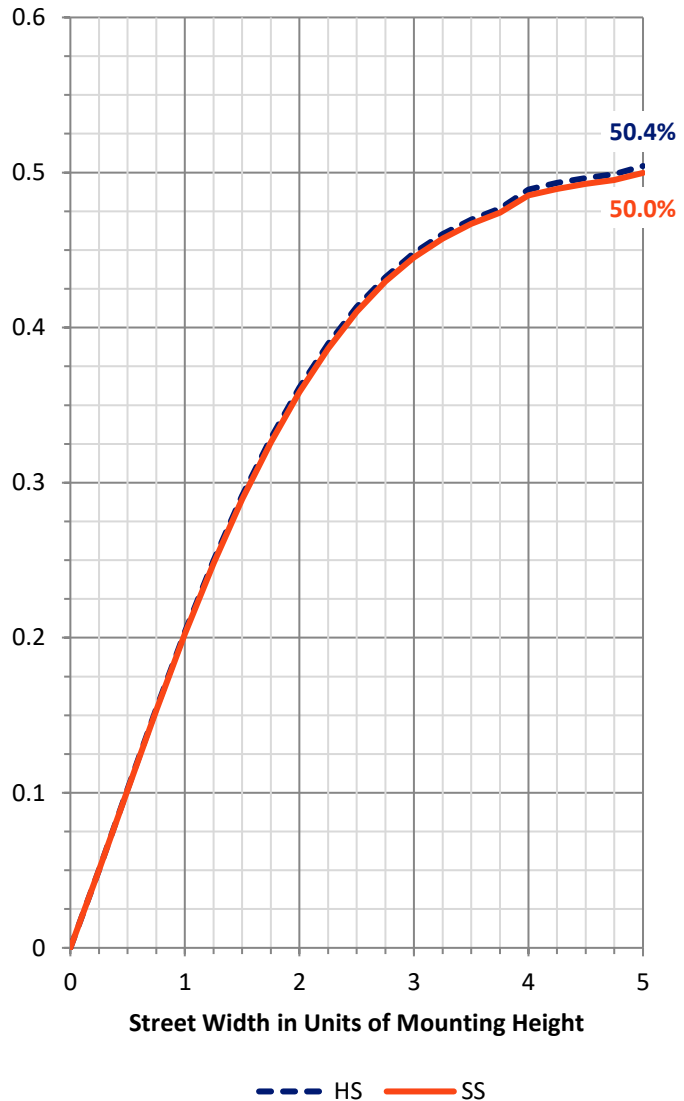
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1833.0	0.0	1833.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1833.0	0.0	1833.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3666.0	0.0	3666.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	15.9	0.4
20°-30°	85.2	2.3
30°-40°	210.7	5.7
40°-50°	376.5	10.3
50°-60°	670.6	18.3
60°-70°	1181.9	32.2
70°-80°	1027.5	28.0
80°-90°	97.7	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°	3666.0	100.0
0°-180°	3666.0	100.0

**Coefficient of Utilization**



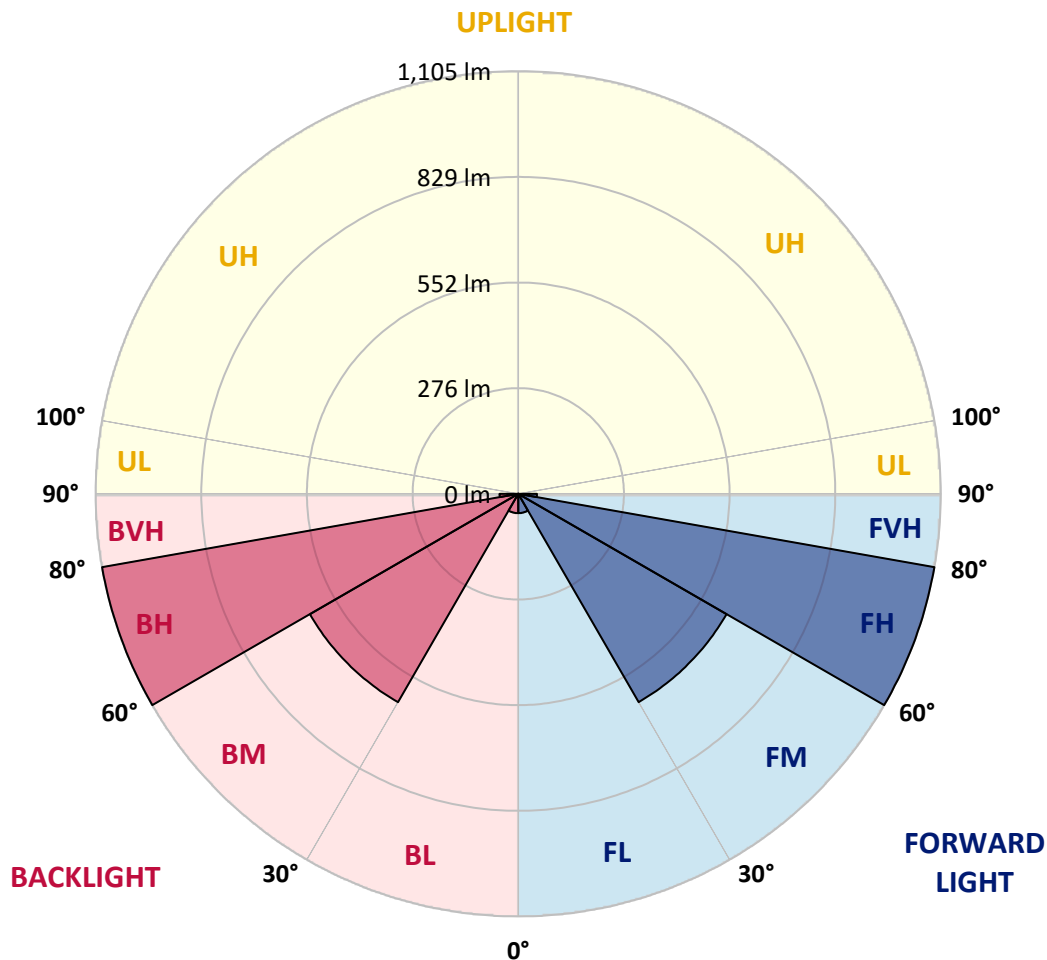
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	50.6	1.4			
FM (30°-60°)	628.9	17.2			
FH (60°-80°)	1104.7	30.1			G1/1800
FVH (80°-90°)	48.8	1.3			G1/100
BL (0°-30°)	50.6	1.4	B0/110		
BM (30°-60°)	628.9	17.2	B1/1000		
BH (60°-80°)	1104.7	30.1	B3/2500		G1/1800
BVH (80°-90°)	48.8	1.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

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°	9.5	9.5	7.1	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	40.2	40.2	39.0	36.6	18.9	2.4	1.2	2.4	10.6	14.2	15.4
15°	49.6	47.3	44.9	41.4	39.0	27.2	14.2	65.0	76.8	79.2	79.2
17.5°	117.0	115.8	108.7	73.3	43.7	44.9	86.3	79.2	81.5	83.9	83.9
20°	125.3	125.3	121.7	118.2	81.5	92.2	99.3	85.1	105.2	147.7	147.7
22.5°	169.0	165.4	135.9	124.1	141.8	122.9	108.7	151.3	166.6	170.2	171.4
25°	212.7	212.7	206.8	169.0	154.8	147.7	160.7	179.6	178.4	189.1	192.6
27.5°	230.4	229.3	217.4	198.5	203.3	189.1	195.0	203.3	251.7	262.4	263.5
30°	312.0	312.0	304.9	228.1	217.4	216.3	224.5	251.7	267.1	275.4	278.9
32.5°	327.4	326.2	320.3	296.6	247.0	241.1	262.4	265.9	352.2	369.9	371.1
35°	386.4	387.6	372.3	314.4	306.1	275.4	280.1	339.2	373.4	387.6	388.8
37.5°	416.0	414.8	407.7	361.6	322.6	300.2	325.0	361.6	397.1	416.0	417.2
40°	449.1	449.1	439.6	394.7	360.4	322.6	352.2	392.3	434.9	449.1	450.3
42.5°	483.3	485.7	476.3	438.4	392.3	348.6	384.1	429.0	478.6	485.7	488.1
45°	537.7	534.2	523.5	476.3	426.6	380.5	418.3	475.1	527.1	536.5	538.9
47.5°	593.3	589.7	576.7	528.3	472.7	420.7	463.3	531.8	583.8	590.9	596.8
50°	648.8	644.1	640.5	580.3	528.3	473.9	516.4	590.9	640.5	647.6	648.8
52.5°	710.2	709.1	707.9	651.2	598.0	535.3	582.6	655.9	709.1	710.2	711.4
55°	787.1	785.9	788.2	732.7	690.2	624.0	666.5	739.8	788.2	782.3	782.3
57.5°	875.7	872.1	878.1	841.4	803.6	723.2	768.2	830.8	874.5	862.7	863.9
60°	980.9	984.4	996.2	966.7	924.1	845.0	894.6	932.4	978.5	963.1	963.1
62.5°	1119.1	1116.8	1129.8	1106.1	1051.8	980.9	1030.5	1053.0	1106.1	1089.6	1089.6
65°	1262.1	1269.2	1276.3	1270.4	1190.0	1103.8	1158.1	1206.6	1229.0	1204.2	1203.0
67.5°	1386.2	1381.5	1406.3	1405.1	1304.7	1203.0	1251.5	1312.9	1322.4	1283.4	1284.6
70°	1395.7	1402.8	1433.5	1457.1	1372.0	1276.3	1289.3	1335.4	1321.2	1266.9	1270.4
72.5°	1265.7	1274.0	1303.5	1363.8	1344.9	1307.0	1255.0	1236.1	1192.4	1149.9	1155.8
75°	930.1	937.1	1005.7	1102.6	1174.7	1209.0	1116.8	1041.1	992.7	950.1	959.6
77.5°	503.4	517.6	600.3	723.2	880.4	953.7	874.5	748.1	616.9	557.8	540.1
80°	192.6	187.9	239.9	345.1	499.9	606.2	536.5	374.6	236.4	174.9	179.6
82.5°	49.6	54.4	76.8	105.2	204.4	316.7	238.7	117.0	74.5	60.3	50.8
85°	15.4	15.4	24.8	30.7	59.1	93.4	48.5	31.9	26.0	15.4	13.0
87.5°	3.5	4.7	7.1	8.3	9.5	5.9	5.9	3.5	1.2	1.2	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)