

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: P414713

Luminaire Tested: **LXF.LXT-PA1-30-750-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-750-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4118 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G1

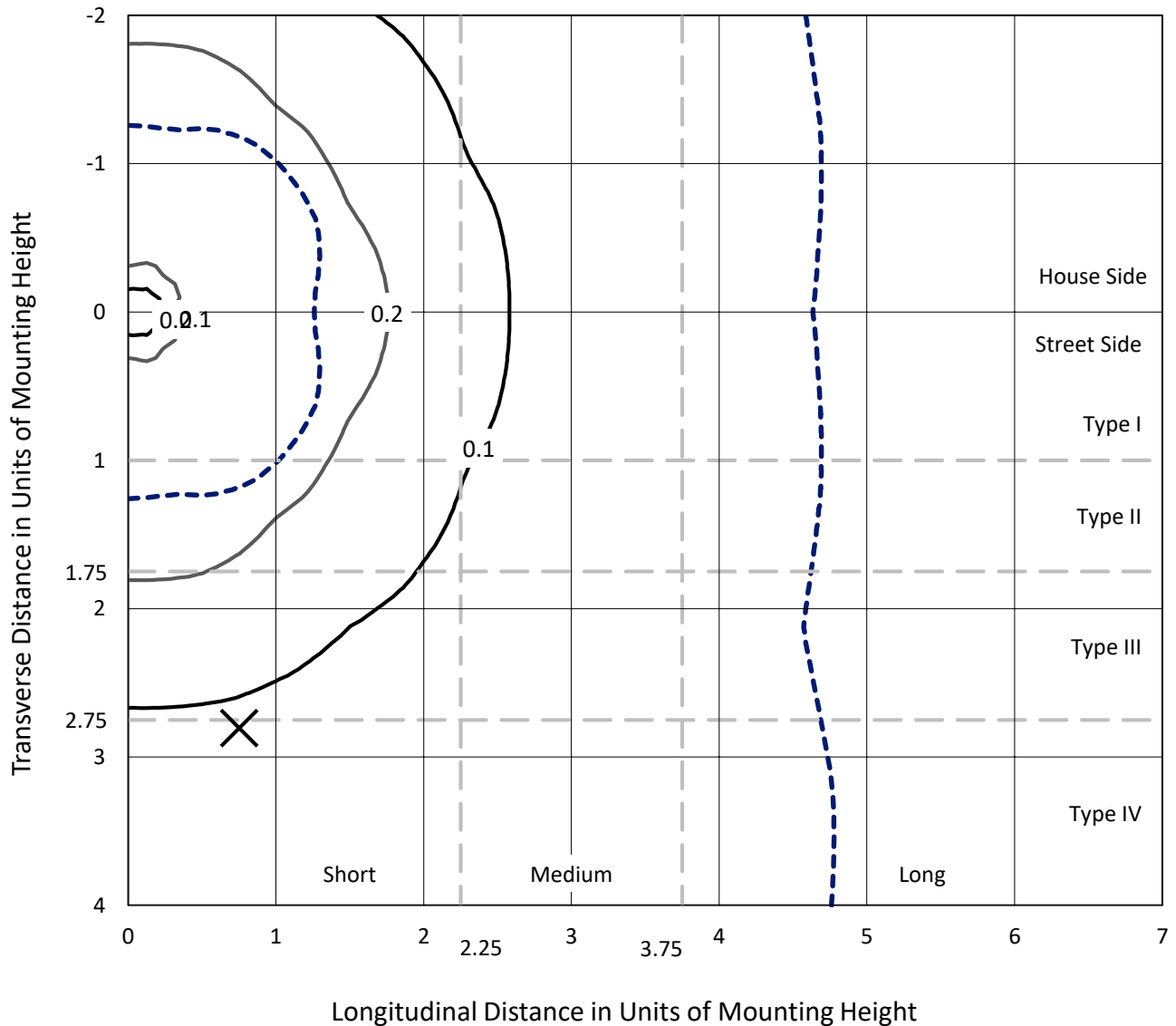
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

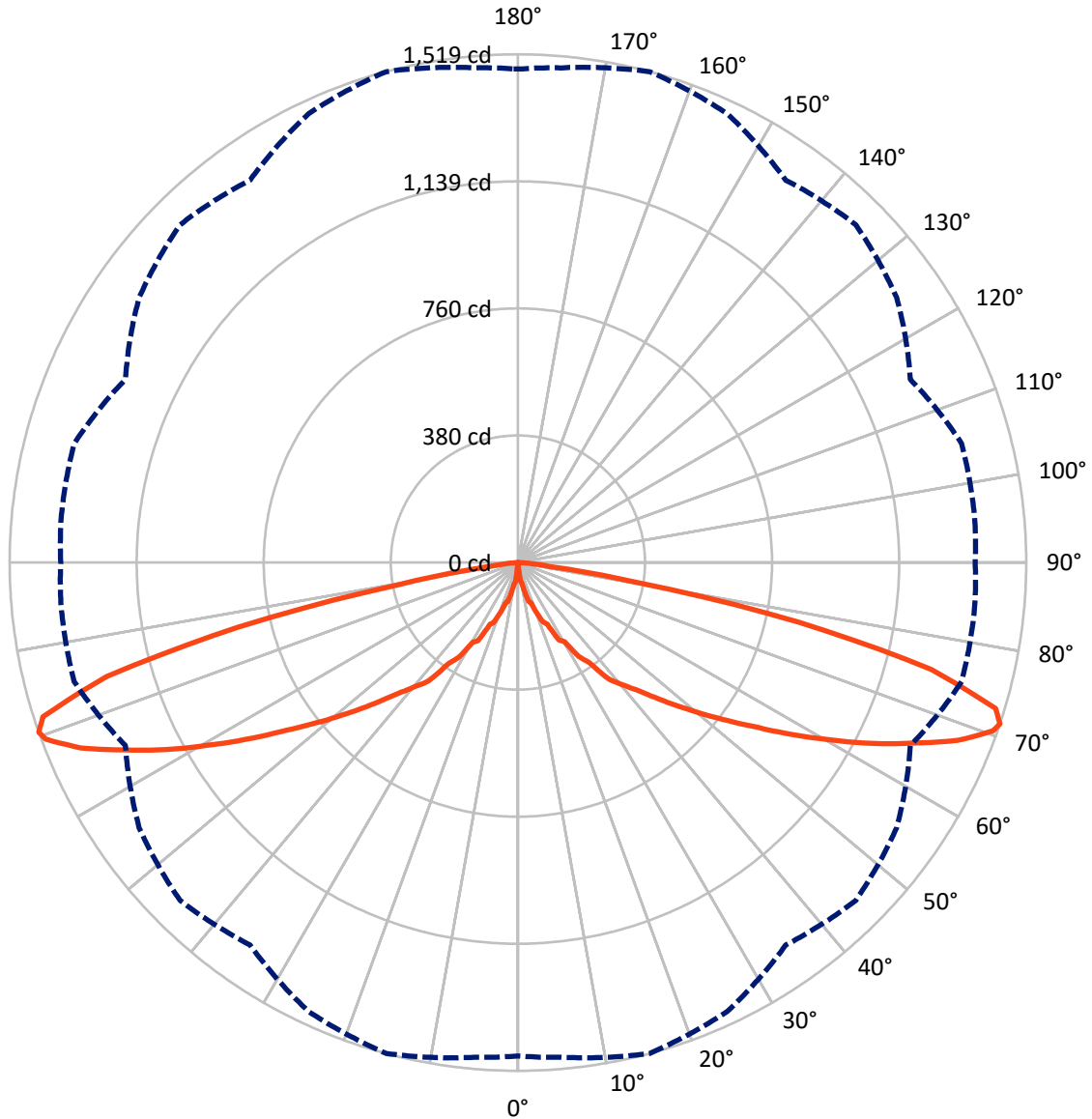
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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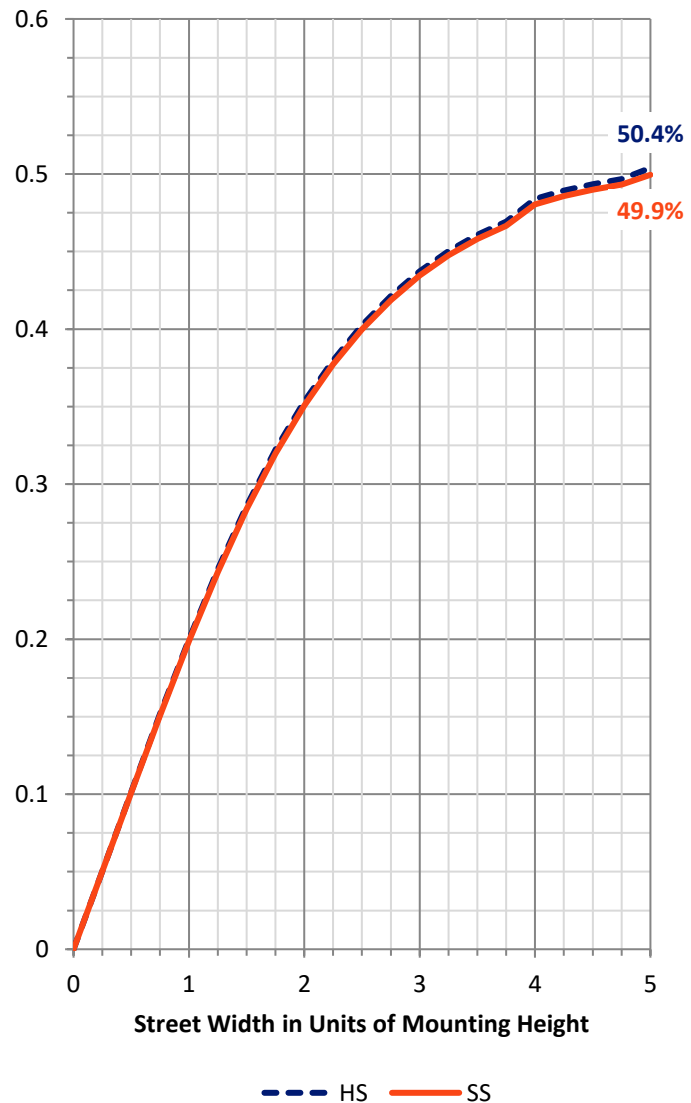
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2059.0	0.0	2059.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2059.0	0.0	2059.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4118.0	0.0	4118.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.0
10°-20°	27.3	0.7
20°-30°	103.2	2.5
30°-40°	233.6	5.7
40°-50°	417.4	10.1
50°-60°	734.6	17.8
60°-70°	1215.3	29.5
70°-80°	1229.0	29.8
80°-90°	155.7	3.8
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°	4118.0	100.0
0°-180°	4118.0	100.0



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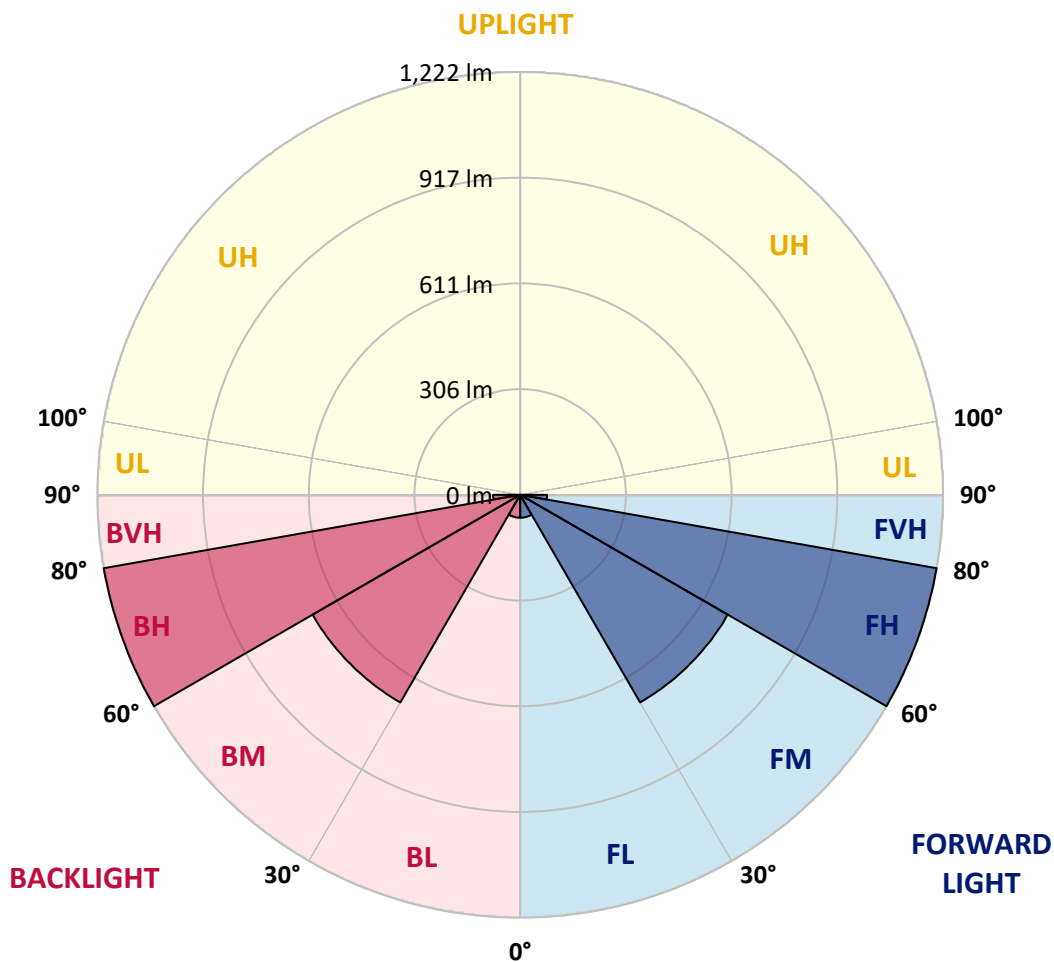
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	66.1	1.6			
FM (30°-60°)	692.8	16.8			
FH (60°-80°)	1222.2	29.7			G1/1800
FVH (80°-90°)	77.9	1.9			G1/100
BL (0°-30°)	66.1	1.6	B0/110		
BM (30°-60°)	692.8	16.8	B1/1000		
BH (60°-80°)	1222.2	29.7	B3/2500		G1/1800
BVH (80°-90°)	77.9	1.9			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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	1.3	1.3	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
5°	25.4	18.2	8.9	7.2	5.1	1.7	0.8	0.8	0.8	0.4	0.4
7.5°	57.1	56.6	55.8	48.6	34.2	25.4	5.5	1.3	0.8	0.8	0.8
10°	63.4	63.0	62.6	61.3	59.6	54.1	28.3	5.5	2.1	2.5	2.5
12.5°	91.3	90.9	87.1	67.6	61.7	60.5	51.2	26.2	22.4	42.3	44.8
15°	124.7	124.3	120.1	103.1	88.4	65.1	84.5	93.8	83.7	92.6	92.6
17.5°	132.3	131.1	126.8	122.6	116.7	113.3	124.7	120.1	93.0	99.3	99.3
20°	178.0	169.1	160.6	136.5	126.4	165.7	134.4	131.1	147.1	173.7	178.4
22.5°	197.4	197.0	192.8	181.8	179.7	173.7	167.4	190.7	194.5	197.8	199.1
25°	232.5	230.0	203.8	194.9	223.2	190.2	225.7	206.3	213.1	244.3	247.7
27.5°	268.4	267.6	262.1	233.8	233.8	252.8	237.6	249.4	284.1	296.3	301.0
30°	300.1	284.1	273.9	278.6	259.1	271.0	271.8	292.1	300.6	316.2	320.4
32.5°	352.6	351.3	334.8	303.5	304.4	287.0	310.7	309.0	377.9	413.4	422.7
35°	391.0	394.0	366.1	353.8	325.1	342.0	332.3	375.8	398.2	438.8	444.7
37.5°	466.7	466.3	443.5	382.6	361.9	361.4	379.2	395.3	429.1	466.3	470.1
40°	499.3	498.4	479.4	443.5	390.2	394.0	404.1	418.9	456.6	498.8	501.0
42.5°	544.5	540.3	520.8	473.0	444.3	436.7	439.2	457.4	493.3	543.6	541.5
45°	590.1	591.4	574.5	520.0	491.7	476.0	480.7	504.8	544.9	594.8	594.4
47.5°	645.5	647.2	639.2	571.1	546.2	524.6	533.5	557.6	601.6	650.2	649.3
50°	714.0	713.6	708.1	633.7	607.9	586.8	593.5	613.8	660.3	708.5	713.6
52.5°	783.8	785.5	784.6	709.4	681.0	660.7	667.1	686.1	731.3	779.5	783.8
55°	862.4	870.4	869.6	807.0	762.6	757.1	760.9	765.2	815.0	862.0	862.8
57.5°	959.6	963.4	971.0	917.4	867.5	864.5	857.3	855.6	904.7	943.6	937.6
60°	1060.7	1064.5	1076.7	1042.1	987.1	993.0	969.4	943.6	990.5	1021.8	1018.4
62.5°	1157.5	1166.3	1190.4	1162.5	1111.8	1130.0	1084.8	1041.2	1084.8	1110.5	1105.5
65°	1261.5	1272.5	1300.8	1289.8	1217.5	1256.0	1207.8	1135.1	1194.2	1206.9	1207.8
67.5°	1376.0	1384.9	1418.7	1398.9	1309.2	1350.7	1310.9	1227.2	1292.3	1287.7	1283.0
70°	1464.4	1475.4	1506.7	1465.2	1376.0	1410.7	1371.4	1285.6	1361.2	1363.8	1360.0
71°	1475.0	1484.3	1519.3	1480.4	1395.5	1428.0	1381.9	1294.4	1373.1	1371.4	1366.7
72.5°	1439.9	1451.3	1492.7	1467.8	1410.7	1449.6	1381.5	1280.1	1356.2	1340.5	1334.2
75°	1219.6	1225.5	1276.3	1321.9	1355.7	1440.3	1304.6	1167.2	1217.9	1193.8	1190.9
77.5°	741.1	756.3	857.7	997.7	1160.9	1296.6	1135.1	944.0	924.1	852.7	824.8
80°	255.8	282.4	362.7	510.3	780.8	1001.9	800.3	577.0	431.6	325.1	300.6
82.5°	42.7	62.1	94.3	159.8	350.9	569.4	395.3	190.7	123.9	86.7	83.7
85°	14.4	16.9	35.9	44.4	82.0	156.8	92.2	52.8	45.7	29.2	27.1
87.5°	2.1	3.0	4.7	5.1	7.2	4.2	7.6	8.0	6.3	4.2	2.5
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)