

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: P414869

Luminaire Tested: **LXF.LXT-PA1-30-830-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414869
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-PA1-30-830-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 3273 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U0 - G1

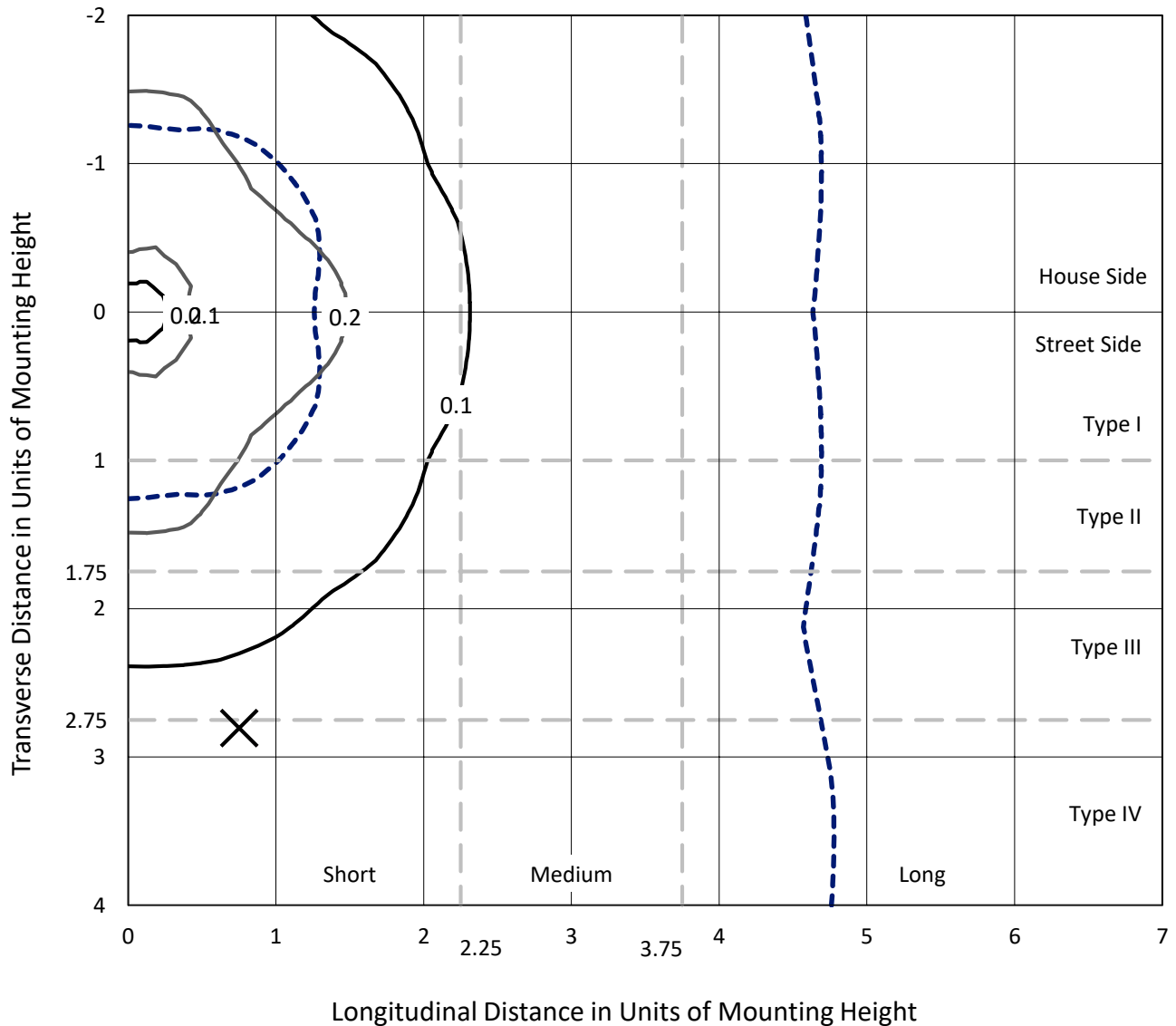
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

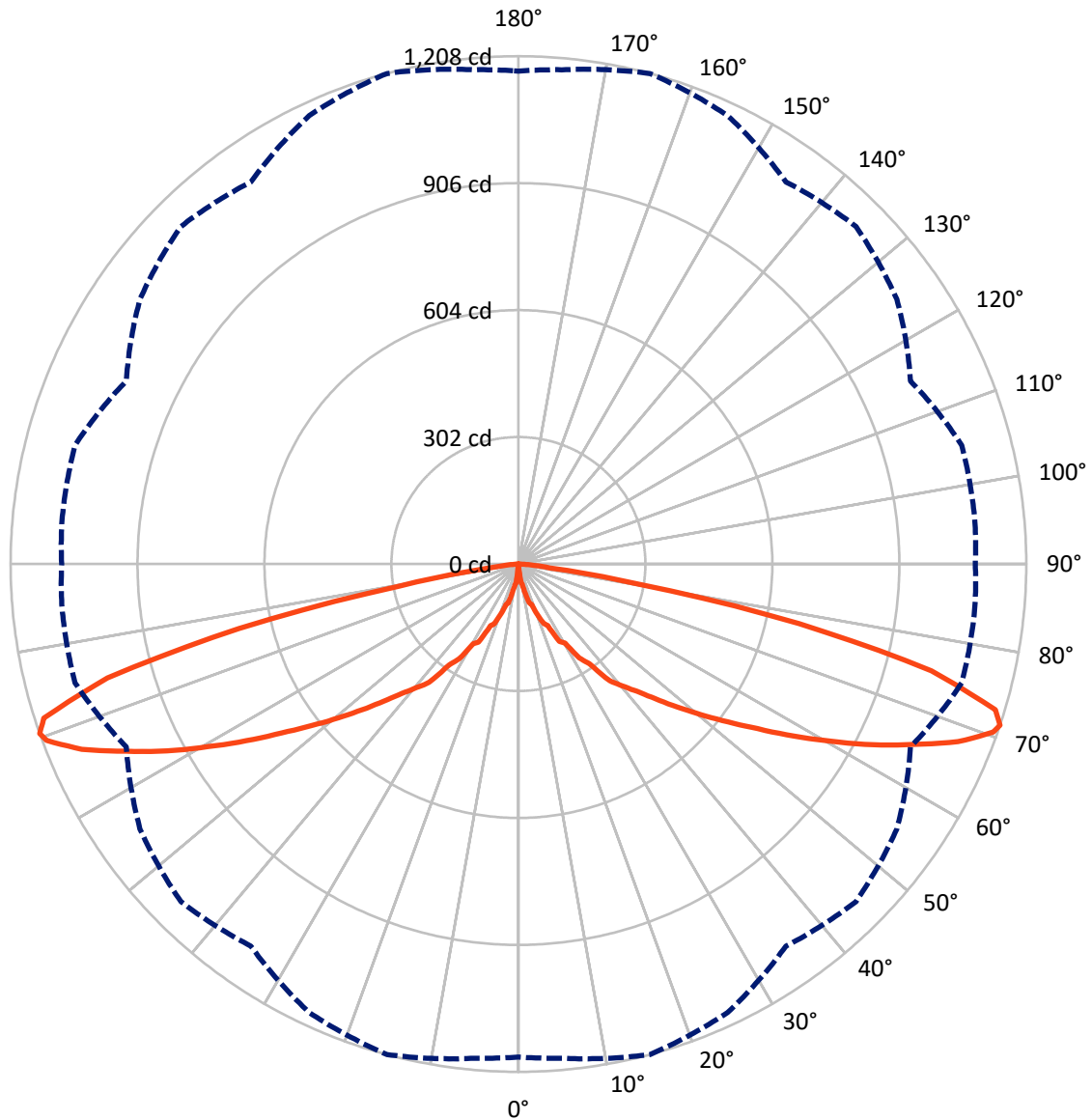
× Max cd
 - - - 1/2 Max cd



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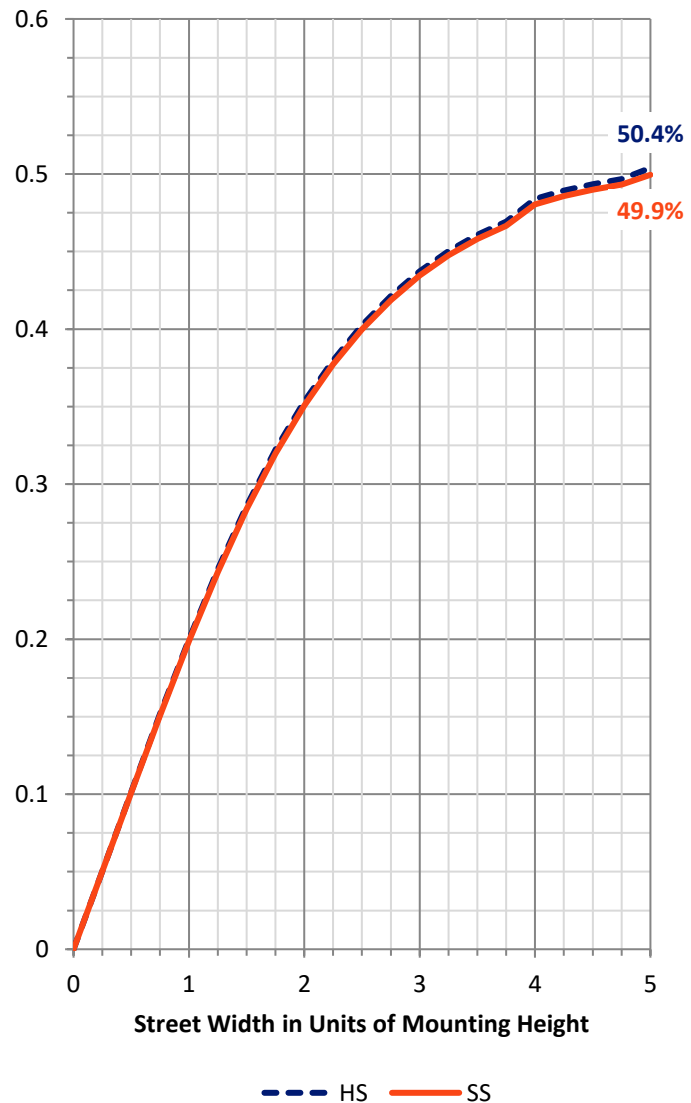
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1636.5	0.0	1636.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1636.5	0.0	1636.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3273.0	0.0	3273.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.0
10°-20°	21.7	0.7
20°-30°	82.0	2.5
30°-40°	185.7	5.7
40°-50°	331.8	10.1
50°-60°	583.9	17.8
60°-70°	965.9	29.5
70°-80°	976.8	29.8
80°-90°	123.8	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°	3273.0	100.0
0°-180°	3273.0	100.0



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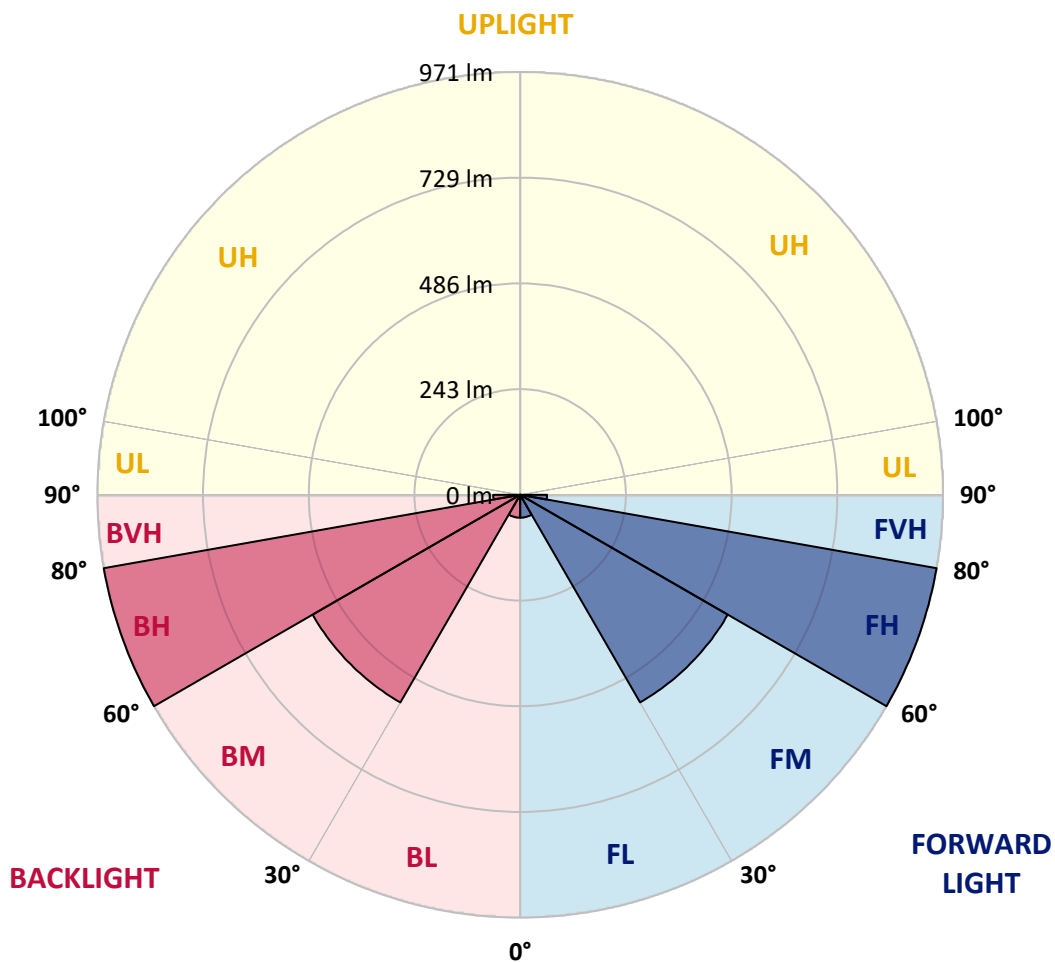
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	52.6	1.6			
FM (30°-60°)	550.7	16.8			
FH (60°-80°)	971.4	29.7			G1/1800
FVH (80°-90°)	61.9	1.9			G1/100
BL (0°-30°)	52.6	1.6	B0/110		
BM (30°-60°)	550.7	16.8	B1/1000		
BH (60°-80°)	971.4	29.7	B2/1000		G1/1800
BVH (80°-90°)	61.9	1.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2.5°	1.0	1.0	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3
5°	20.2	14.4	7.1	5.7	4.0	1.3	0.7	0.7	0.7	0.3	0.3
7.5°	45.4	45.0	44.4	38.6	27.2	20.2	4.4	1.0	0.7	0.7	0.7
10°	50.4	50.1	49.7	48.7	47.4	43.0	22.5	4.4	1.7	2.0	2.0
12.5°	72.6	72.2	69.2	53.8	49.1	48.0	40.7	20.8	17.8	33.6	35.6
15°	99.1	98.8	95.4	82.0	70.2	51.7	67.2	74.6	66.5	73.6	73.6
17.5°	105.2	104.2	100.8	97.4	92.7	90.0	99.1	95.4	73.9	79.0	79.0
20°	141.5	134.4	127.7	108.5	100.5	131.7	106.8	104.2	116.9	138.1	141.8
22.5°	156.9	156.6	153.2	144.5	142.8	138.1	133.1	151.5	154.6	157.2	158.3
25°	184.8	182.8	162.0	154.9	177.4	151.2	179.4	164.0	169.3	194.2	196.9
27.5°	213.4	212.7	208.3	185.8	185.8	200.9	188.8	198.2	225.8	235.5	239.2
30°	238.6	225.8	217.7	221.4	206.0	215.4	216.0	232.2	238.9	251.3	254.7
32.5°	280.2	279.2	266.1	241.2	241.9	228.1	247.0	245.6	300.4	328.6	336.0
35°	310.8	313.1	291.0	281.2	258.4	271.8	264.1	298.7	316.5	348.8	353.5
37.5°	370.9	370.6	352.5	304.1	287.6	287.3	301.4	314.2	341.0	370.6	373.6
40°	396.8	396.1	381.0	352.5	310.1	313.1	321.2	333.0	362.9	396.5	398.2
42.5°	432.8	429.4	413.9	376.0	353.1	347.1	349.1	363.5	392.1	432.1	430.4
45°	469.1	470.1	456.6	413.3	390.8	378.3	382.0	401.2	433.1	472.7	472.4
47.5°	513.1	514.4	508.0	453.9	434.1	417.0	424.0	443.2	478.1	516.8	516.1
50°	567.5	567.2	562.8	503.7	483.2	466.4	471.7	487.9	524.8	563.1	567.2
52.5°	622.9	624.3	623.6	563.8	541.3	525.2	530.2	545.3	581.3	619.6	622.9
55°	685.4	691.8	691.1	641.4	606.1	601.8	604.8	608.2	647.8	685.1	685.8
57.5°	762.7	765.7	771.8	729.1	689.5	687.1	681.4	680.1	719.0	749.9	745.2
60°	843.0	846.0	855.8	828.2	784.6	789.3	770.4	749.9	787.2	812.1	809.4
62.5°	920.0	927.0	946.2	924.0	883.7	898.1	862.2	827.6	862.2	882.7	878.6
65°	1002.6	1011.4	1033.9	1025.1	967.7	998.2	959.9	902.2	949.2	959.3	959.9
67.5°	1093.7	1100.7	1127.6	1111.8	1040.6	1073.5	1041.9	975.4	1027.1	1023.4	1019.8
70°	1163.9	1172.6	1197.5	1164.6	1093.7	1121.2	1090.0	1021.8	1081.9	1083.9	1080.9
71°	1172.3	1179.7	1207.6	1176.7	1109.1	1135.0	1098.4	1028.8	1091.3	1090.0	1086.3
72.5°	1144.4	1153.5	1186.4	1166.6	1121.2	1152.1	1098.0	1017.4	1077.9	1065.4	1060.4
75°	969.4	974.1	1014.4	1050.7	1077.5	1144.7	1036.9	927.7	968.0	948.9	946.5
77.5°	589.0	601.1	681.7	793.0	922.7	1030.5	902.2	750.3	734.5	677.7	655.5
80°	203.3	224.4	288.3	405.5	620.6	796.3	636.0	458.6	343.1	258.4	238.9
82.5°	33.9	49.4	74.9	127.0	278.9	452.6	314.2	151.5	98.4	68.9	66.5
85°	11.4	13.4	28.6	35.3	65.2	124.7	73.2	42.0	36.3	23.2	21.5
87.5°	1.7	2.4	3.7	4.0	5.7	3.4	6.0	6.4	5.0	3.4	2.0
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)