

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: P414921

Luminaire Tested: **LXF.LXT-PA1-40-722-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414921
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-PA1-40-722-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3920 lumens
Efficiency: N/A
Efficacy: 98.0 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

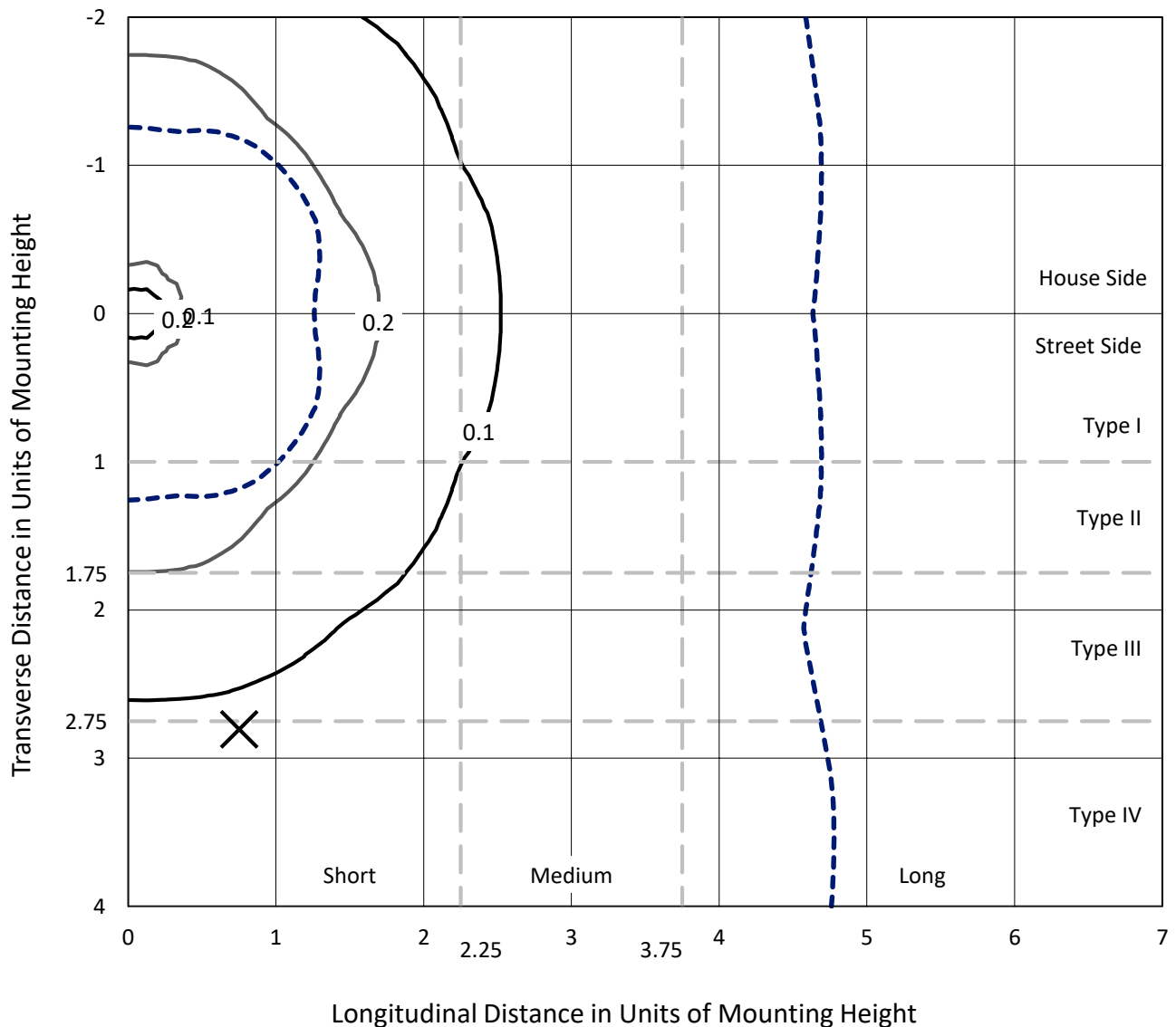
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

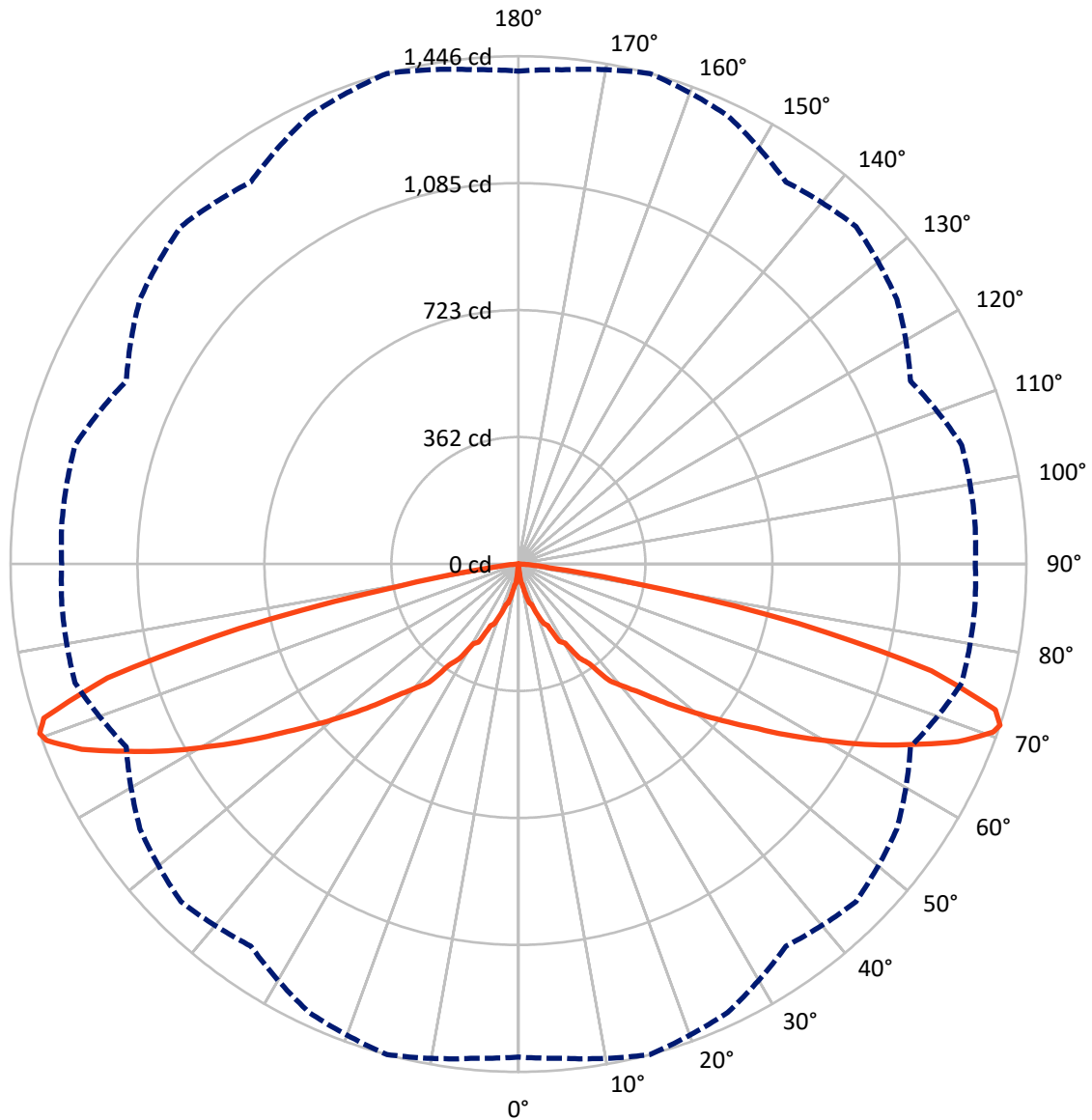
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 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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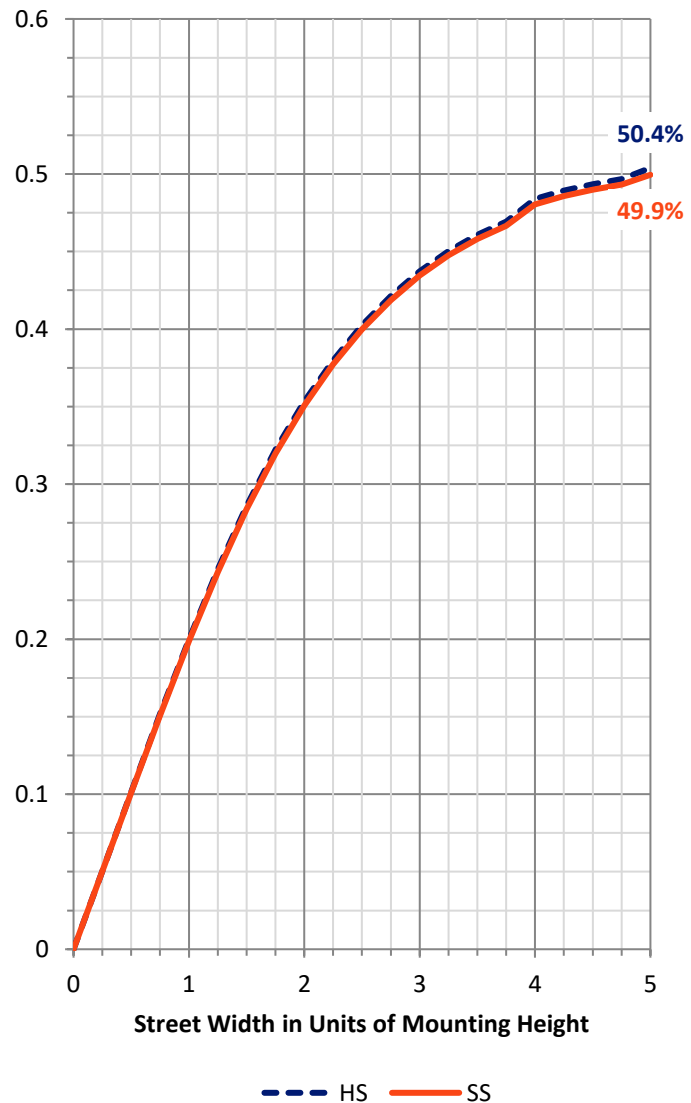
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1960.0	0.0	1960.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1960.0	0.0	1960.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3920.0	0.0	3920.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.0
10°-20°	26.0	0.7
20°-30°	98.2	2.5
30°-40°	222.4	5.7
40°-50°	397.4	10.1
50°-60°	699.3	17.8
60°-70°	1156.9	29.5
70°-80°	1169.9	29.8
80°-90°	148.2	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°	3920.0	100.0
0°-180°	3920.0	100.0



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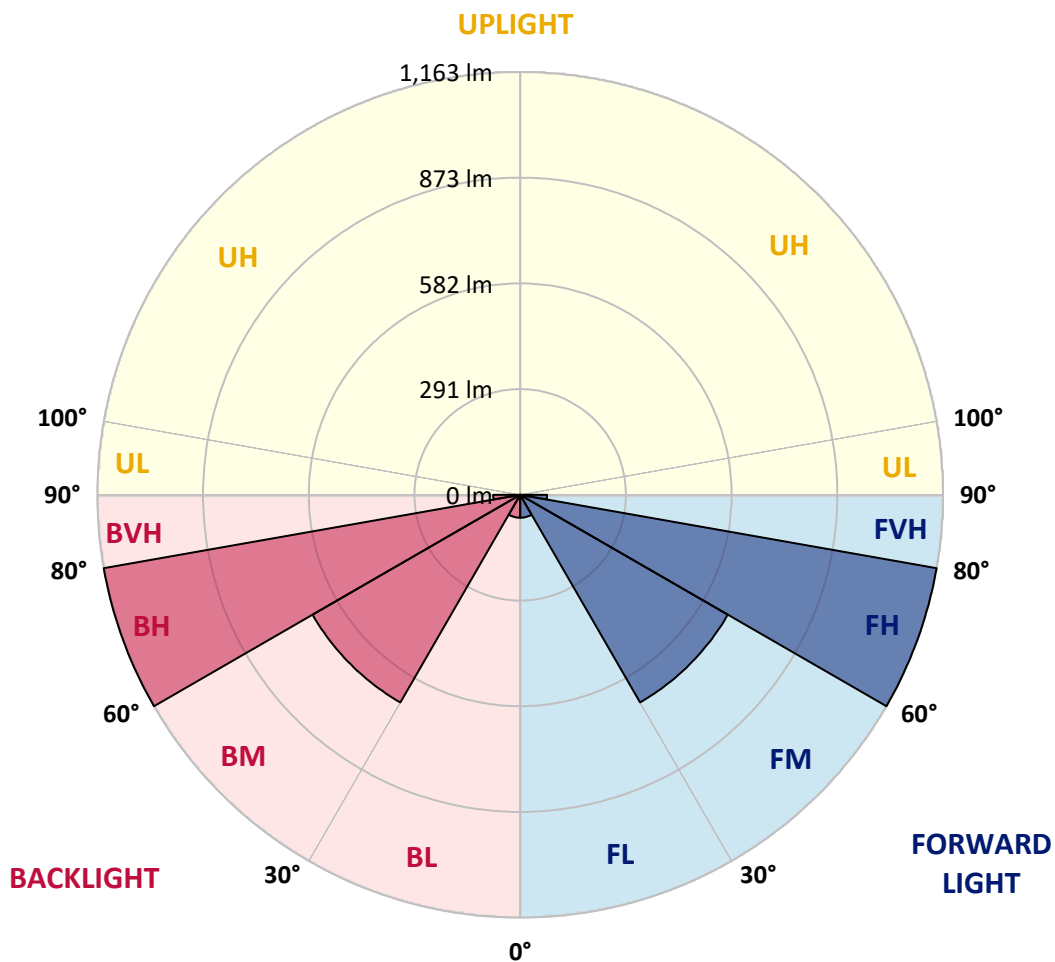
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	63.0	1.6			
FM	(30°-60°)	659.5	16.8			
FH	(60°-80°)	1163.4	29.7			G1/1800
FVH	(80°-90°)	74.1	1.9			G1/100
BL	(0°-30°)	63.0	1.6	B0/110		
BM	(30°-60°)	659.5	16.8	B1/1000		
BH	(60°-80°)	1163.4	29.7	B3/2500		G1/1800
BVH	(80°-90°)	74.1	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°	1.2	1.2	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
5°	24.1	17.3	8.5	6.8	4.8	1.6	0.8	0.8	0.8	0.4	0.4
7.5°	54.3	53.9	53.1	46.3	32.6	24.1	5.2	1.2	0.8	0.8	0.8
10°	60.4	60.0	59.6	58.4	56.7	51.5	27.0	5.2	2.0	2.4	2.4
12.5°	86.9	86.5	82.9	64.4	58.8	57.5	48.7	24.9	21.3	40.2	42.7
15°	118.7	118.3	114.3	98.2	84.1	62.0	80.5	89.3	79.7	88.1	88.1
17.5°	126.0	124.7	120.7	116.7	111.1	107.8	118.7	114.3	88.5	94.6	94.6
20°	169.4	161.0	152.9	130.0	120.3	157.7	128.0	124.7	140.0	165.4	169.8
22.5°	187.9	187.5	183.5	173.0	171.0	165.4	159.4	181.5	185.1	188.3	189.5
25°	221.3	218.9	194.0	185.5	212.5	181.1	214.9	196.4	202.8	232.6	235.8
27.5°	255.5	254.7	249.5	222.5	222.5	240.6	226.2	237.4	270.4	282.1	286.5
30°	285.7	270.4	260.8	265.2	246.7	257.9	258.8	278.1	286.1	301.0	305.0
32.5°	335.6	334.4	318.7	288.9	289.7	273.2	295.8	294.2	359.8	393.6	402.4
35°	372.2	375.1	348.5	336.8	309.5	325.6	316.3	357.7	379.1	417.7	423.3
37.5°	444.3	443.9	422.1	364.2	344.5	344.1	361.0	376.3	408.5	443.9	447.5
40°	475.3	474.4	456.3	422.1	371.4	375.1	384.7	398.8	434.6	474.9	476.9
42.5°	518.3	514.3	495.8	450.3	422.9	415.7	418.1	435.4	469.6	517.5	515.5
45°	561.8	563.0	546.9	495.0	468.0	453.1	457.5	480.5	518.7	566.2	565.8
47.5°	614.5	616.1	608.5	543.7	519.9	499.4	507.9	530.8	572.6	618.9	618.1
50°	679.7	679.3	674.0	603.2	578.7	558.6	565.0	584.3	628.6	674.5	679.3
52.5°	746.1	747.7	746.9	675.3	648.3	629.0	635.0	653.1	696.2	742.1	746.1
55°	820.9	828.6	827.8	768.2	726.0	720.7	724.4	728.4	775.9	820.5	821.3
57.5°	913.5	917.1	924.4	873.2	825.8	822.9	816.1	814.5	861.2	898.2	892.6
60°	1009.7	1013.3	1025.0	992.0	939.6	945.3	922.7	898.2	942.9	972.6	969.4
62.5°	1101.8	1110.3	1133.2	1106.6	1058.4	1075.7	1032.6	991.2	1032.6	1057.1	1052.3
65°	1200.8	1211.3	1238.2	1227.8	1159.0	1195.6	1149.7	1080.5	1136.8	1148.9	1149.7
67.5°	1309.9	1318.3	1350.5	1331.6	1246.3	1285.7	1247.9	1168.2	1230.2	1225.8	1221.3
70°	1394.0	1404.4	1434.2	1394.8	1309.9	1342.9	1305.4	1223.8	1295.8	1298.2	1294.6
71°	1404.0	1412.9	1446.3	1409.3	1328.4	1359.4	1315.5	1232.2	1307.1	1305.4	1301.0
72.5°	1370.6	1381.5	1420.9	1397.2	1342.9	1379.9	1315.1	1218.5	1291.0	1276.1	1270.0
75°	1161.0	1166.6	1214.9	1258.4	1290.6	1371.0	1241.9	1111.1	1159.4	1136.4	1133.6
77.5°	705.4	719.9	816.5	949.7	1105.0	1234.2	1080.5	898.6	879.7	811.7	785.1
80°	243.5	268.8	345.3	485.7	743.3	953.7	761.8	549.3	410.9	309.5	286.1
82.5°	40.6	59.2	89.7	152.1	334.0	542.1	376.3	181.5	117.9	82.5	79.7
85°	13.7	16.1	34.2	42.3	78.1	149.3	87.7	50.3	43.5	27.8	25.8
87.5°	2.0	2.8	4.4	4.8	6.8	4.0	7.2	7.6	6.0	4.0	2.4
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)