

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: P415025

Luminaire Tested: **LXF.LXT-PA1-40-730-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415025
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-PA1-40-730-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 4857 lumens
Efficiency: N/A
Efficacy: 121.4 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

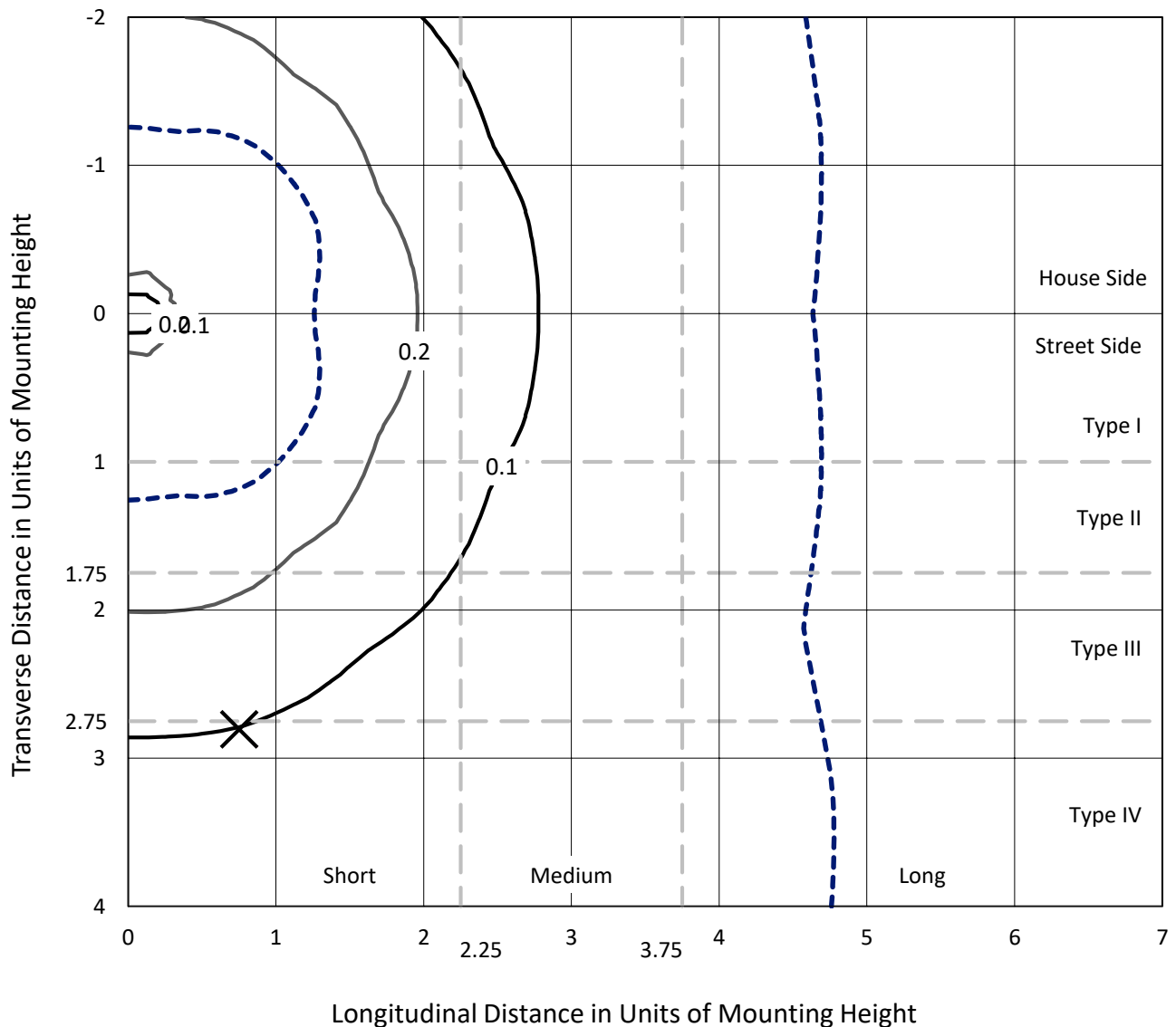
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

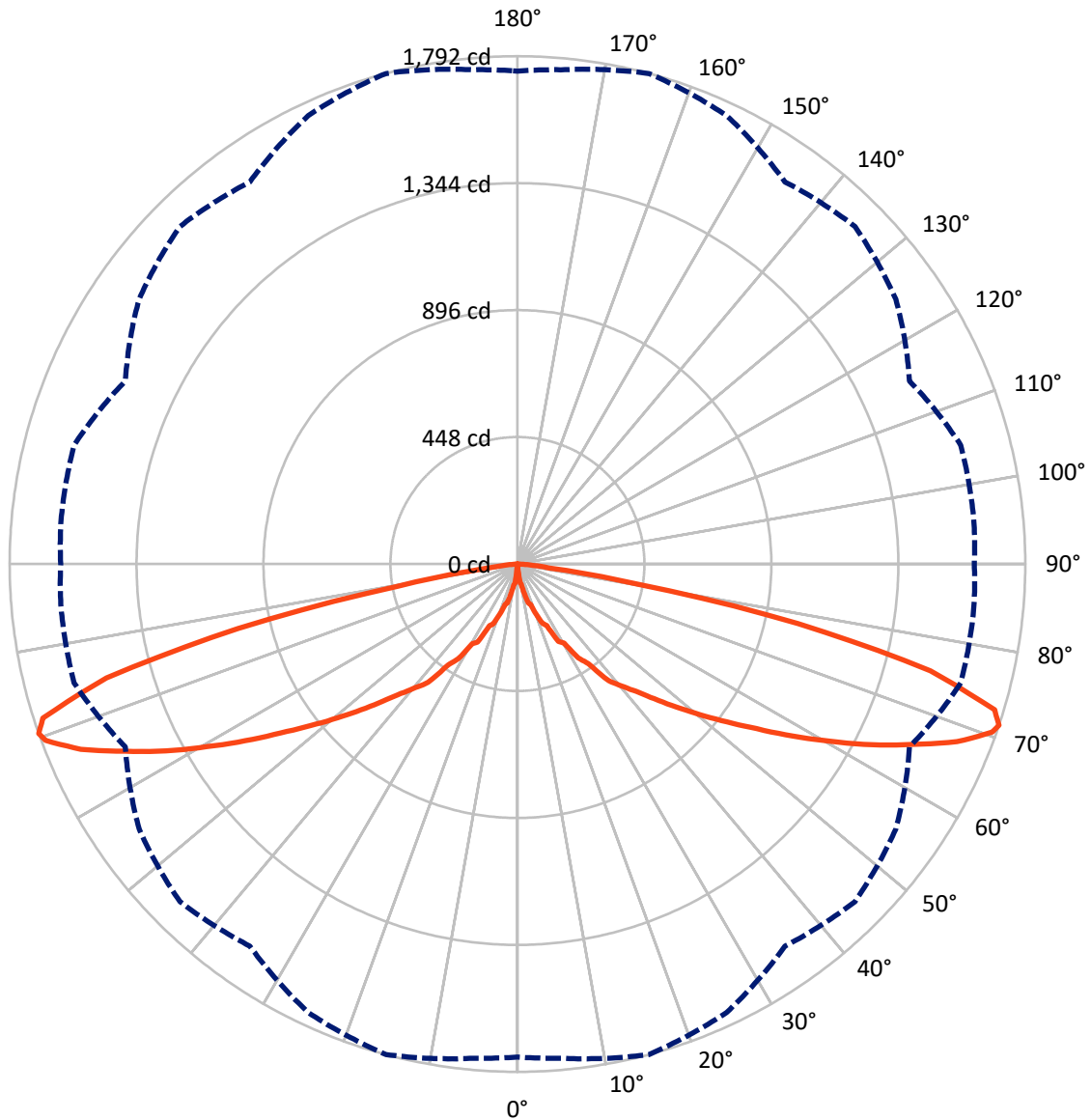
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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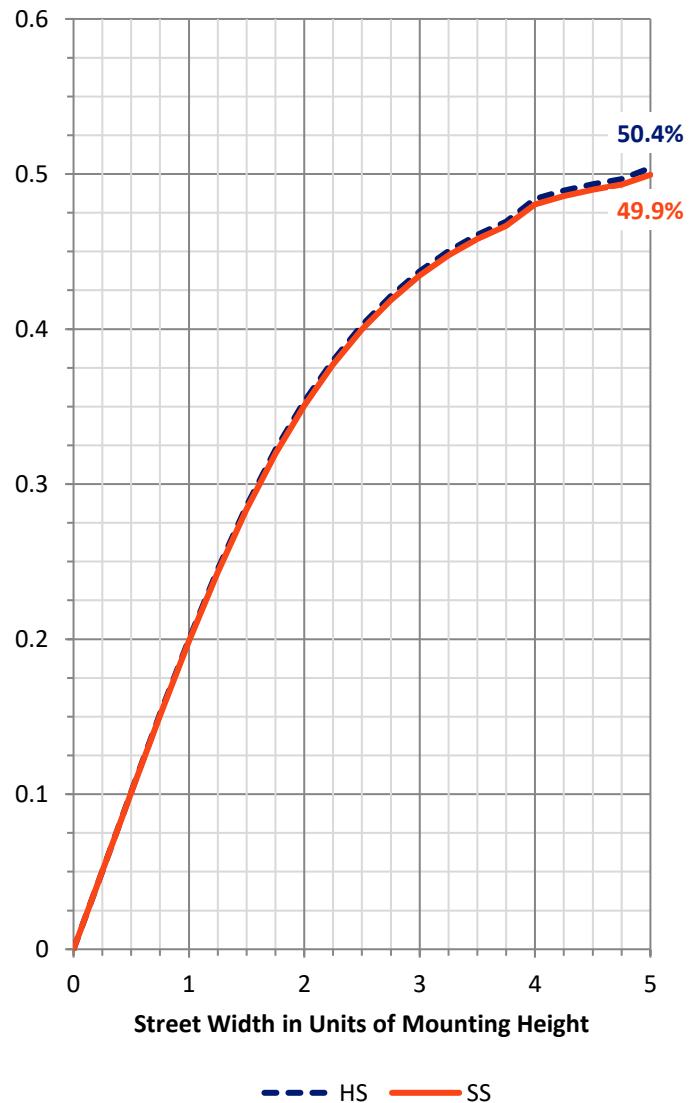
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2428.5	0.0	2428.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2428.5	0.0	2428.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4857.0	0.0	4857.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.0
10°-20°	32.2	0.7
20°-30°	121.7	2.5
30°-40°	275.5	5.7
40°-50°	492.4	10.1
50°-60°	866.5	17.8
60°-70°	1433.4	29.5
70°-80°	1449.6	29.8
80°-90°	183.6	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°	4857.0	100.0
0°-180°	4857.0	100.0



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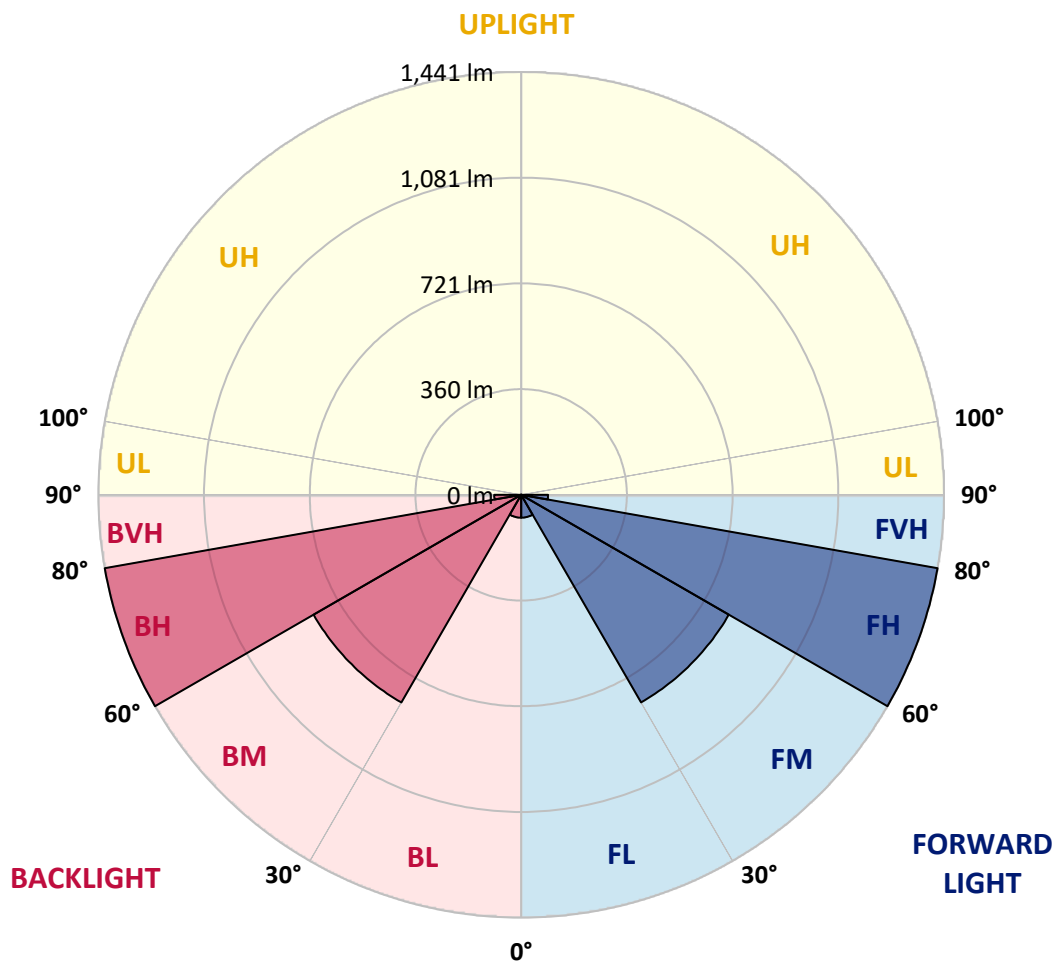
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	78.0	1.6			
FM	(30°-60°)	817.2	16.8			
FH	(60°-80°)	1441.5	29.7			G1/1800
FVH	(80°-90°)	91.8	1.9			G1/100
BL	(0°-30°)	78.0	1.6	B0/110		
BM	(30°-60°)	817.2	16.8	B1/1000		
BH	(60°-80°)	1441.5	29.7	B3/2500		G1/1800
BVH	(80°-90°)	91.8	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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.5	1.5	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
5°	29.9	21.4	10.5	8.5	6.0	2.0	1.0	1.0	1.0	0.5	0.5
7.5°	67.3	66.8	65.8	57.3	40.4	29.9	6.5	1.5	1.0	1.0	1.0
10°	74.8	74.3	73.8	72.3	70.3	63.8	33.4	6.5	2.5	3.0	3.0
12.5°	107.7	107.2	102.7	79.8	72.8	71.3	60.3	30.9	26.4	49.9	52.9
15°	147.1	146.6	141.6	121.7	104.2	76.8	99.7	110.7	98.7	109.2	109.2
17.5°	156.1	154.6	149.6	144.6	137.6	133.6	147.1	141.6	109.7	117.2	117.2
20°	209.9	199.4	189.5	161.1	149.1	195.5	158.6	154.6	173.5	204.9	210.4
22.5°	232.8	232.4	227.4	214.4	211.9	204.9	197.4	224.9	229.4	233.3	234.8
25°	274.2	271.2	240.3	229.9	263.3	224.4	266.3	243.3	251.3	288.2	292.2
27.5°	316.6	315.6	309.1	275.7	275.7	298.2	280.2	294.2	335.1	349.5	355.0
30°	354.0	335.1	323.1	328.6	305.6	319.6	320.6	344.5	354.5	373.0	377.9
32.5°	415.8	414.3	394.9	358.0	359.0	338.6	366.5	364.5	445.8	487.6	498.6
35°	461.2	464.7	431.8	417.3	383.4	403.4	391.9	443.3	469.7	517.6	524.5
37.5°	550.5	550.0	523.0	451.2	426.8	426.3	447.3	466.2	506.1	550.0	554.5
40°	588.9	587.9	565.4	523.0	460.2	464.7	476.7	494.1	538.5	588.4	590.8
42.5°	642.2	637.2	614.3	557.9	524.0	515.1	518.1	539.5	581.9	641.2	638.7
45°	696.1	697.6	677.6	613.3	579.9	561.4	566.9	595.3	642.7	701.5	701.0
47.5°	761.4	763.4	753.9	673.6	644.2	618.8	629.2	657.7	709.5	766.9	765.9
50°	842.1	841.6	835.2	747.4	717.0	692.1	700.0	724.0	778.8	835.7	841.6
52.5°	924.4	926.4	925.4	836.7	803.3	779.3	786.8	809.2	862.6	919.4	924.4
55°	1017.2	1026.6	1025.6	951.8	899.5	893.0	897.5	902.5	961.3	1016.7	1017.7
57.5°	1131.8	1136.3	1145.3	1082.0	1023.1	1019.7	1011.2	1009.2	1067.0	1112.9	1105.9
60°	1251.0	1255.5	1270.0	1229.1	1164.2	1171.2	1143.3	1112.9	1168.2	1205.1	1201.1
62.5°	1365.2	1375.7	1404.1	1371.2	1311.3	1332.8	1279.4	1228.1	1279.4	1309.8	1303.9
65°	1487.8	1500.8	1534.2	1521.3	1436.0	1481.4	1424.5	1338.8	1408.6	1423.5	1424.5
67.5°	1623.0	1633.4	1673.3	1649.9	1544.2	1593.1	1546.2	1447.5	1524.2	1518.8	1513.3
70°	1727.2	1740.1	1777.0	1728.2	1623.0	1663.9	1617.5	1516.3	1605.5	1608.5	1604.0
71°	1739.6	1750.6	1792.0	1746.1	1645.9	1684.3	1629.9	1526.7	1619.5	1617.5	1612.0
72.5°	1698.3	1711.7	1760.6	1731.2	1663.9	1709.7	1629.4	1509.8	1599.5	1581.1	1573.6
75°	1438.5	1445.5	1505.3	1559.1	1599.0	1698.8	1538.7	1376.7	1436.5	1408.1	1404.6
77.5°	874.1	892.0	1011.7	1176.7	1369.2	1529.2	1338.8	1113.4	1090.0	1005.7	972.8
80°	301.7	333.1	427.8	601.8	920.9	1181.7	943.9	680.6	509.1	383.4	354.5
82.5°	50.4	73.3	111.2	188.5	413.8	671.6	466.2	224.9	146.1	102.2	98.7
85°	17.0	19.9	42.4	52.4	96.7	185.0	108.7	62.3	53.8	34.4	31.9
87.5°	2.5	3.5	5.5	6.0	8.5	5.0	9.0	9.5	7.5	5.0	3.0
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)