

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: P415285

Luminaire Tested: **LXF.LXT-PA1-40-830-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415285
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-PA1-40-830-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 4238 lumens
Efficiency: N/A
Efficacy: 106.0 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

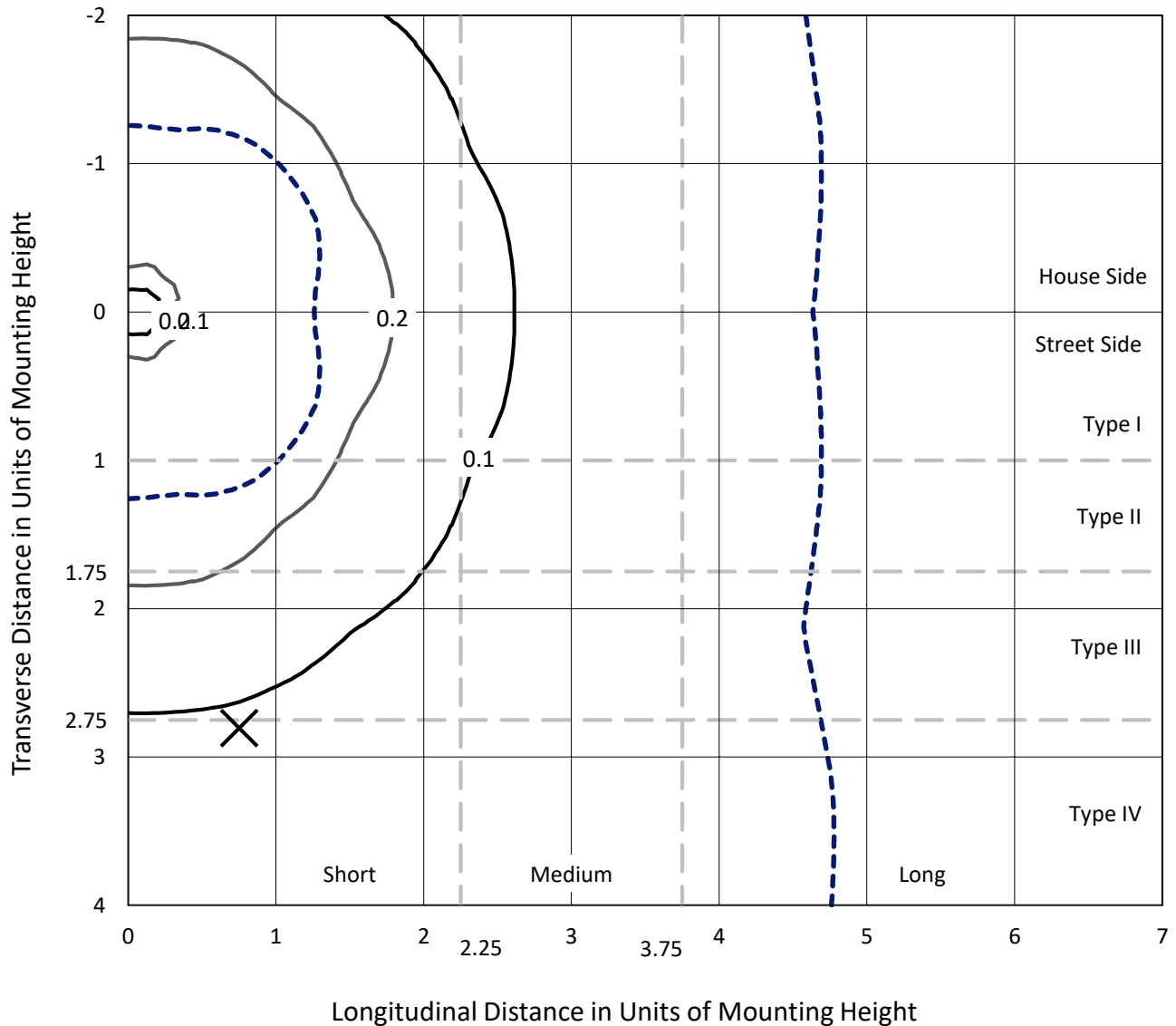
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

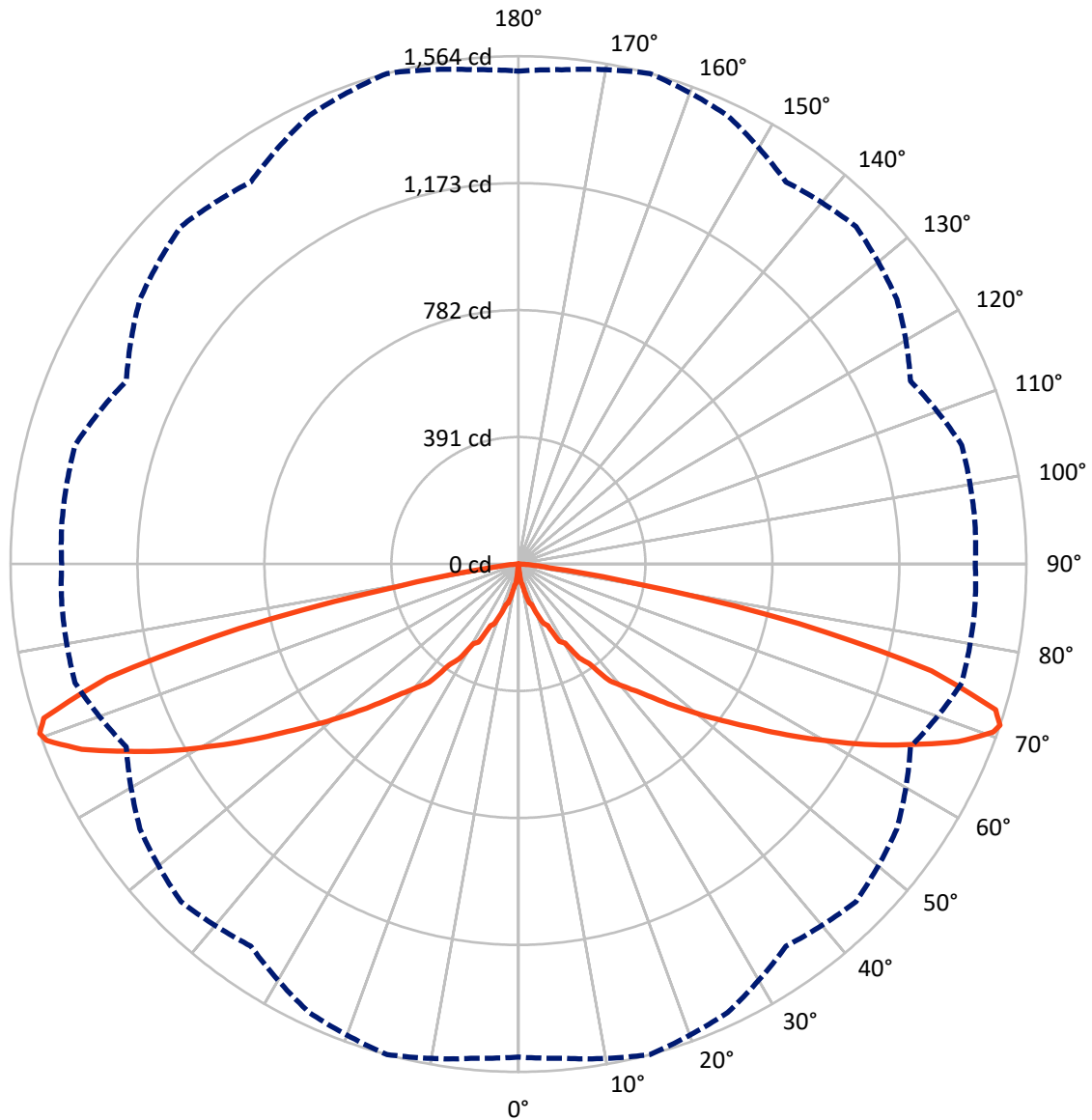
× Max cd
 - - - 1/2 Max cd



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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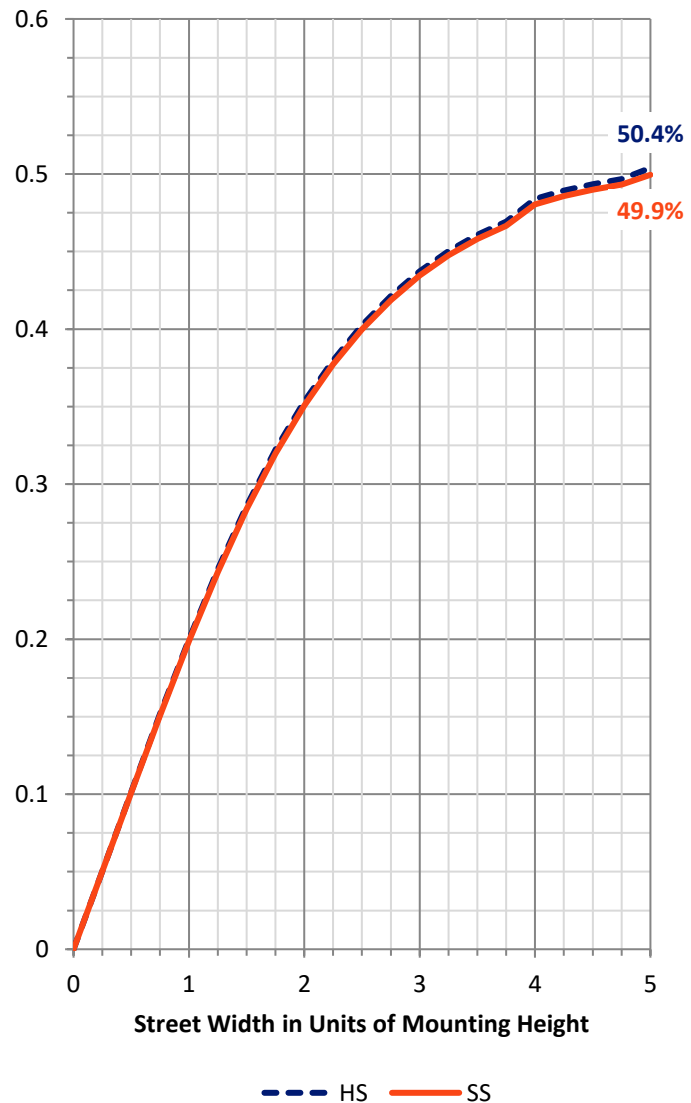
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2119.0	0.0	2119.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2119.0	0.0	2119.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4238.0	0.0	4238.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.0
10°-20°	28.1	0.7
20°-30°	106.2	2.5
30°-40°	240.4	5.7
40°-50°	429.6	10.1
50°-60°	756.1	17.8
60°-70°	1250.7	29.5
70°-80°	1264.8	29.8
80°-90°	160.2	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°	4238.0	100.0
0°-180°	4238.0	100.0



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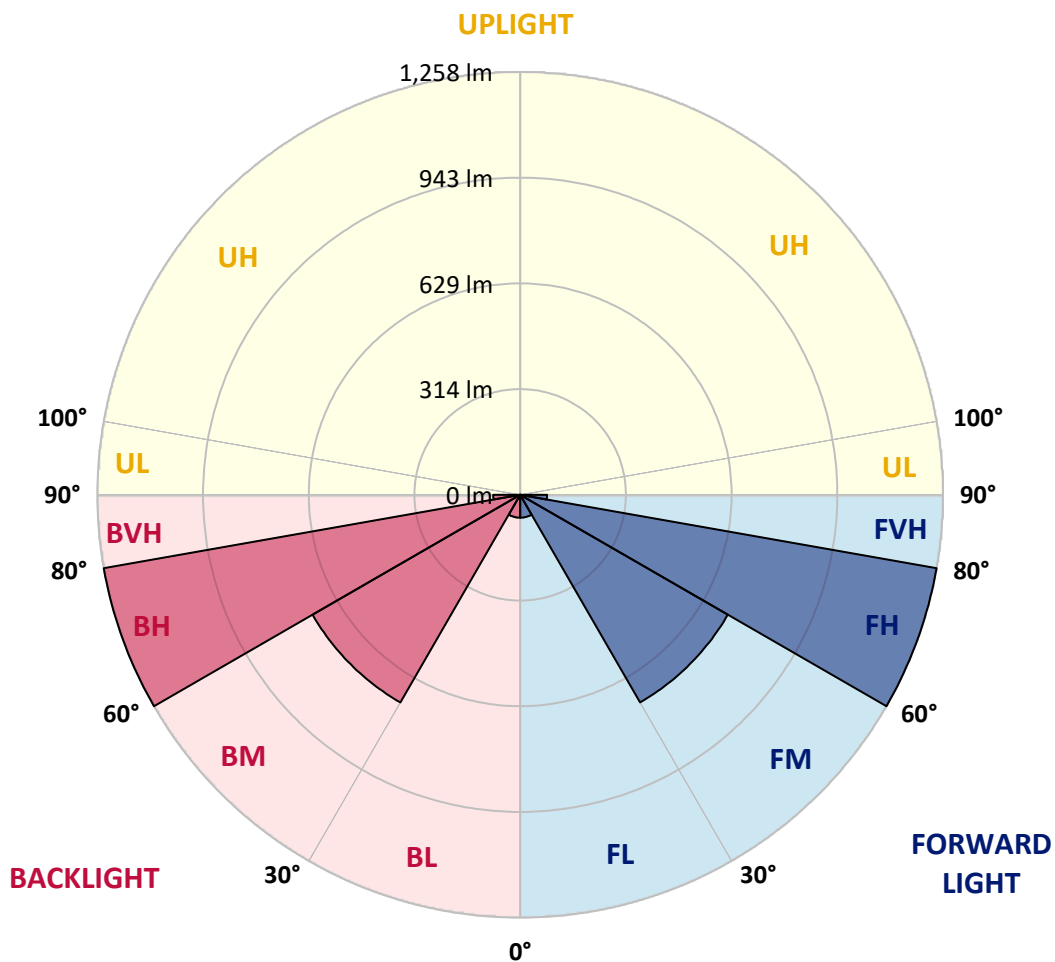
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	68.1	1.6			
FM (30°-60°)	713.0	16.8			
FH (60°-80°)	1257.8	29.7			G1/1800
FVH (80°-90°)	80.1	1.9			G1/100
BL (0°-30°)	68.1	1.6	B0/110		
BM (30°-60°)	713.0	16.8	B1/1000		
BH (60°-80°)	1257.8	29.7	B3/2500		G1/1800
BVH (80°-90°)	80.1	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°	1.3	1.3	0.9	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.4
5°	26.1	18.7	9.1	7.4	5.2	1.7	0.9	0.9	0.9	0.4	0.4
7.5°	58.7	58.3	57.4	50.0	35.2	26.1	5.7	1.3	0.9	0.9	0.9
10°	65.3	64.8	64.4	63.1	61.3	55.7	29.1	5.7	2.2	2.6	2.6
12.5°	94.0	93.5	89.6	69.6	63.5	62.2	52.6	27.0	23.1	43.5	46.1
15°	128.3	127.9	123.6	106.2	90.9	67.0	87.0	96.6	86.1	95.3	95.3
17.5°	136.2	134.9	130.5	126.2	120.1	116.6	128.3	123.6	95.7	102.2	102.2
20°	183.2	174.0	165.3	140.5	130.1	170.5	138.3	134.9	151.4	178.8	183.6
22.5°	203.2	202.7	198.4	187.1	184.9	178.8	172.3	196.2	200.1	203.6	204.9
25°	239.3	236.7	209.7	200.6	229.7	195.8	232.3	212.3	219.3	251.5	254.9
27.5°	276.3	275.4	269.7	240.6	240.6	260.2	244.5	256.7	292.4	305.0	309.8
30°	308.9	292.4	281.9	286.7	266.7	278.9	279.7	300.6	309.3	325.4	329.8
32.5°	362.8	361.5	344.6	312.4	313.2	295.4	319.8	318.0	388.9	425.5	435.1
35°	402.4	405.5	376.8	364.1	334.6	352.0	342.0	386.8	409.8	451.6	457.7
37.5°	480.3	479.9	456.4	393.7	372.4	372.0	390.3	406.8	441.6	479.9	483.8
40°	513.8	512.9	493.4	456.4	401.6	405.5	415.9	431.1	469.9	513.4	515.5
42.5°	560.4	556.0	536.0	486.8	457.3	449.4	452.0	470.7	507.7	559.5	557.3
45°	607.3	608.7	591.2	535.1	506.0	489.9	494.7	519.5	560.8	612.1	611.7
47.5°	664.3	666.1	657.8	587.8	562.1	539.9	549.0	573.8	619.1	669.1	668.3
50°	734.8	734.4	728.7	652.2	625.6	603.9	610.8	631.7	679.6	729.2	734.4
52.5°	806.6	808.3	807.5	730.0	700.9	680.0	686.5	706.1	752.7	802.3	806.6
55°	887.5	895.8	894.9	830.5	784.9	779.2	783.1	787.5	838.8	887.1	888.0
57.5°	987.6	991.5	999.3	944.1	892.7	889.7	882.3	880.6	931.0	971.1	965.0
60°	1091.6	1095.5	1108.1	1072.4	1015.9	1022.0	997.6	971.1	1019.4	1051.5	1048.1
62.5°	1191.2	1200.3	1225.1	1196.4	1144.2	1162.9	1116.4	1071.6	1116.4	1142.9	1137.7
65°	1298.2	1309.5	1338.7	1327.4	1253.0	1292.6	1243.0	1168.1	1229.1	1242.1	1243.0
67.5°	1416.1	1425.3	1460.1	1439.6	1347.4	1390.0	1349.1	1263.0	1330.0	1325.2	1320.4
70°	1507.1	1518.4	1550.6	1507.9	1416.1	1451.8	1411.3	1323.0	1400.9	1403.5	1399.6
71°	1517.9	1527.5	1563.6	1523.6	1436.1	1469.6	1422.2	1332.2	1413.1	1411.3	1406.6
72.5°	1481.8	1493.6	1536.2	1510.5	1451.8	1491.8	1421.8	1317.4	1395.7	1379.6	1373.1
75°	1255.2	1261.2	1313.5	1360.4	1395.2	1482.3	1342.6	1201.2	1253.4	1228.6	1225.6
77.5°	762.7	778.3	882.7	1026.7	1194.7	1334.3	1168.1	971.5	951.0	877.5	848.8
80°	263.2	290.6	373.3	525.1	803.6	1031.1	823.6	593.9	444.2	334.6	309.3
82.5°	43.9	64.0	97.0	164.5	361.1	586.0	406.8	196.2	127.5	89.2	86.1
85°	14.8	17.4	37.0	45.7	84.4	161.4	94.8	54.4	47.0	30.0	27.8
87.5°	2.2	3.0	4.8	5.2	7.4	4.4	7.8	8.3	6.5	4.4	2.6
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)