

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: P266052

Luminaire Tested: **LXF.LXT-AF24-40-D-U-5WQ-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266052  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-9-90°)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-40-D-U-5WQ-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN  
UPPER HEMISPHERE NOT REPORTED TO PROVIDE RELEVANT COMPARISON TO  
COMPETITIVE OFFERINGS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4026 lumens  
Efficiency: N/A  
Efficacy: 100.7 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

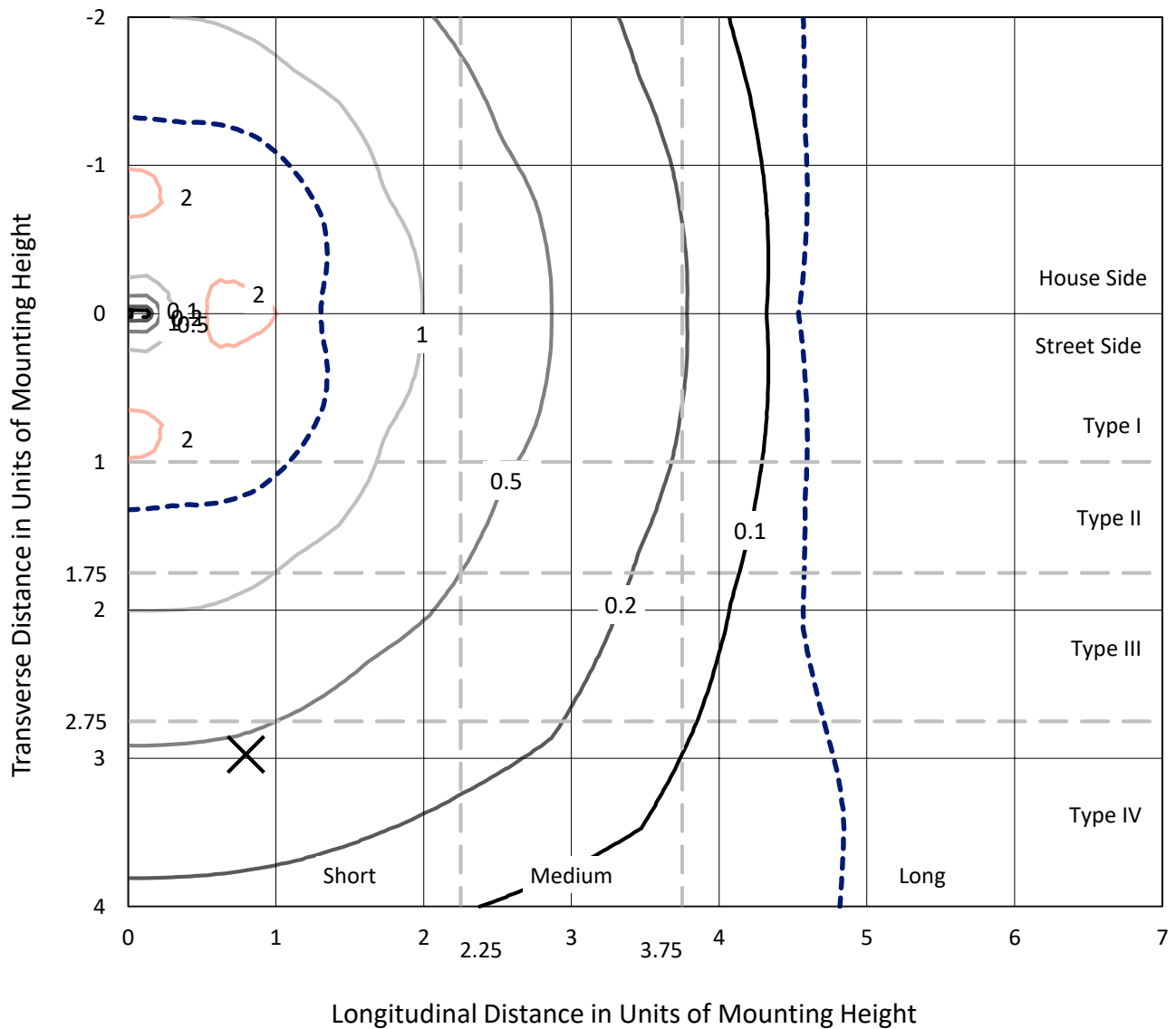


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

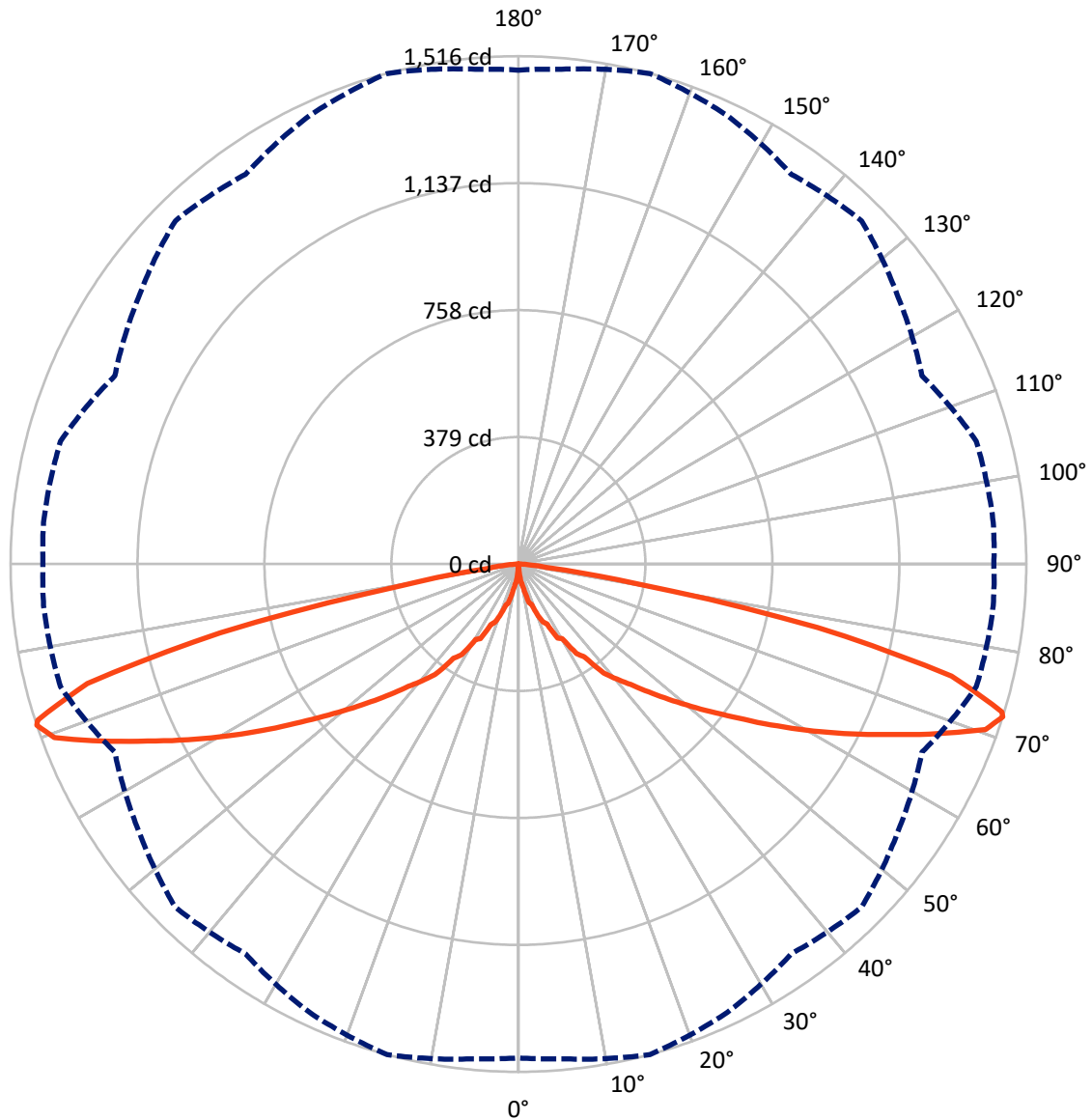


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical



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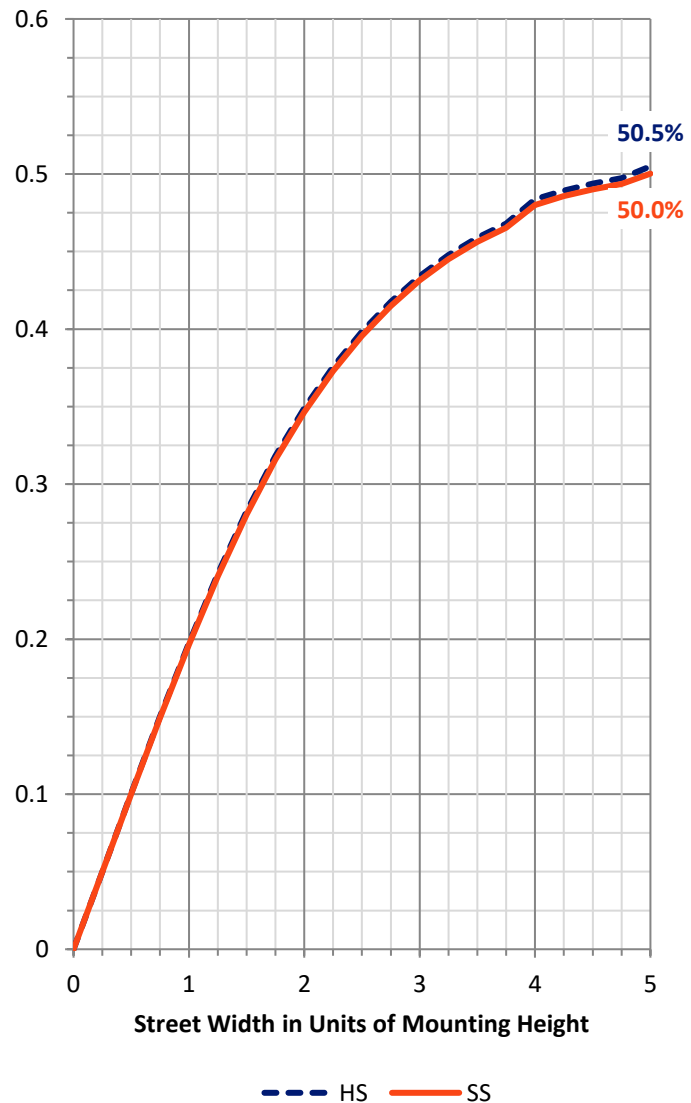
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2013.0	0.0	2013.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2013.0	0.0	2013.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4026.0	0.0	4026.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.9	0.0
10°-20°	27.3	0.7
20°-30°	99.9	2.5
30°-40°	220.5	5.5
40°-50°	395.3	9.8
50°-60°	698.9	17.4
60°-70°	1175.5	29.2
70°-80°	1258.7	31.3
80°-90°	147.9	3.7
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°	4026.0	100.0
0°-180°	4026.0	100.0



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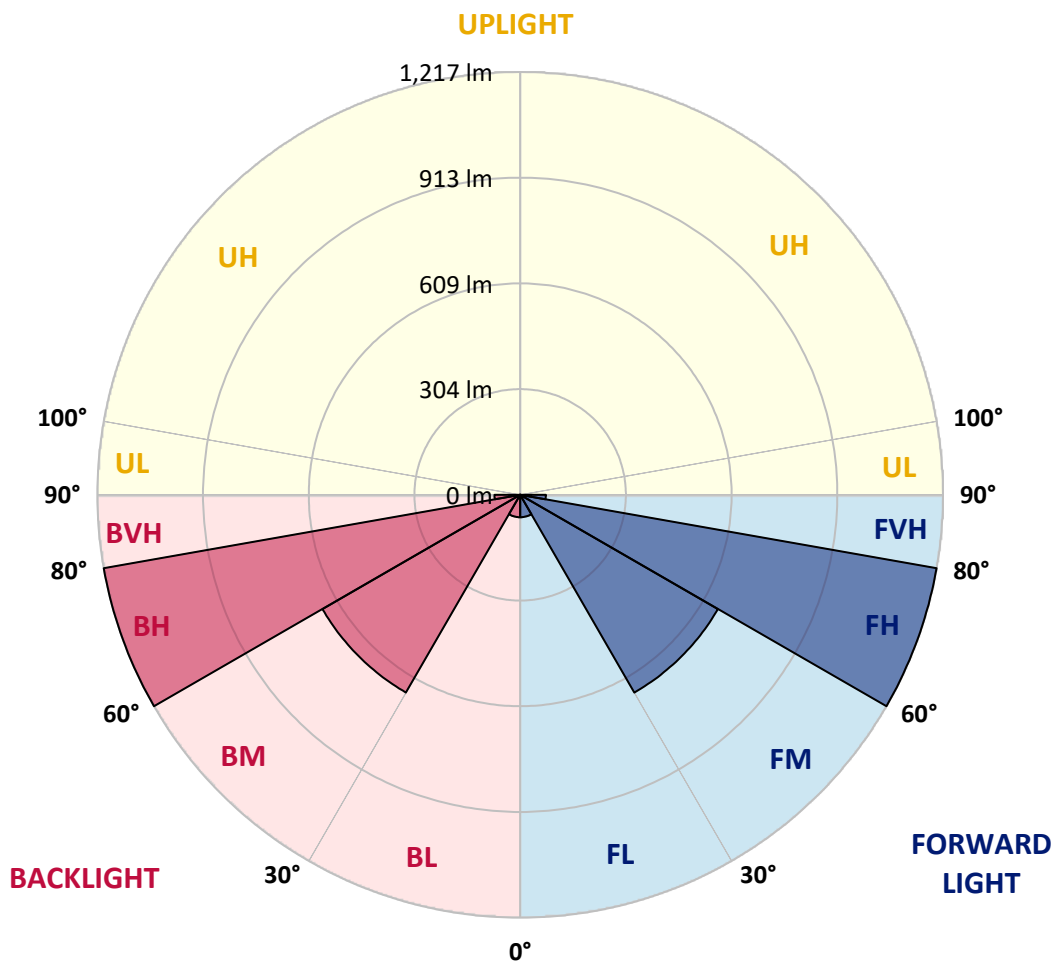
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	64.6	1.6			
FM (30°-60°)	657.4	16.3			
FH (60°-80°)	1217.1	30.2			G1/1800
FVH (80°-90°)	74.0	1.8			G1/100
BL (0°-30°)	64.6	1.6	B0/110		
BM (30°-60°)	657.4	16.3	B1/1000		
BH (60°-80°)	1217.1	30.2	B3/2500		G1/1800
BVH (80°-90°)	74.0	1.8			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	1.3	1.3	0.9	0.9	0.4	0.4	0.9	0.9	0.9
5°	25.2	24.9	18.8	8.8	6.9	3.1	1.3	0.9	0.9	0.9	0.9
7.5°	57.9	56.7	55.3	47.0	36.1	25.7	7.4	1.7	1.3	0.9	0.9
10°	63.2	63.2	62.3	61.1	59.3	53.5	30.1	6.9	3.1	2.6	2.6
12.5°	91.9	91.4	87.1	68.0	61.9	60.5	50.6	26.9	17.8	36.7	43.6
15°	125.6	124.7	120.7	109.0	88.9	65.8	79.3	97.6	84.5	90.2	90.5
17.5°	132.9	131.6	126.8	122.4	115.1	110.8	123.7	118.9	94.1	95.4	95.8
20°	171.2	173.8	159.9	138.1	126.8	165.6	136.5	130.8	154.7	171.7	176.8
22.5°	193.0	192.1	187.7	177.3	184.7	171.7	166.5	187.3	187.7	190.4	191.2
25°	224.3	223.6	198.3	188.6	217.0	187.7	219.1	199.6	204.9	220.1	233.1
27.5°	256.6	255.4	250.1	224.3	223.9	247.0	228.8	246.7	273.3	282.7	288.0
30°	286.6	280.2	258.4	265.4	247.0	260.1	264.0	277.5	284.1	299.8	302.9
32.5°	331.1	329.9	318.4	285.8	291.9	275.8	294.1	292.8	360.0	389.1	398.7
35°	378.2	365.2	341.6	329.9	312.0	325.5	306.3	354.2	376.0	411.3	417.1
37.5°	440.1	439.2	413.5	360.4	344.7	342.1	360.4	371.7	400.5	436.1	441.0
40°	473.1	473.1	451.4	409.5	375.6	372.5	382.9	398.7	429.6	467.9	471.9
42.5°	513.3	513.3	491.6	446.6	426.2	409.5	412.2	430.9	464.1	508.9	514.2
45°	560.4	560.4	545.1	486.3	467.9	449.7	458.9	477.1	515.9	560.4	566.9
47.5°	617.0	615.2	603.0	537.7	519.0	497.2	509.8	529.5	570.0	617.0	621.7
50°	677.6	676.2	667.6	599.6	572.1	556.9	568.6	584.3	630.5	679.7	685.0
52.5°	741.6	741.2	737.7	674.5	638.3	626.6	636.5	651.9	697.2	750.4	755.1
55°	818.7	821.0	818.7	765.5	722.0	716.4	720.7	730.7	775.1	826.3	829.2
57.5°	903.2	904.7	912.5	875.8	827.9	818.7	821.4	828.3	863.2	905.0	908.0
60°	993.4	996.9	1012.2	985.6	945.6	946.5	938.5	920.4	957.8	987.3	987.0
62.5°	1084.2	1088.0	1116.9	1095.0	1065.7	1082.0	1059.7	1013.6	1056.6	1077.2	1073.3
65°	1183.4	1193.0	1227.1	1218.8	1175.6	1210.5	1176.2	1114.2	1172.9	1174.4	1174.4
67.5°	1307.7	1316.8	1351.7	1336.4	1272.4	1312.5	1272.8	1216.1	1275.5	1268.4	1271.9
70°	1443.1	1452.3	1479.4	1428.3	1358.1	1392.3	1348.6	1291.6	1376.9	1389.1	1386.1
72°	1474.6	1482.8	1516.3	1476.8	1420.5	1448.8	1385.2	1329.4	1415.3	1423.2	1419.6
72.5°	1465.0	1472.4	1509.8	1476.8	1430.6	1461.5	1390.4	1330.3	1409.3	1414.8	1410.1
75°	1268.4	1281.9	1335.5	1369.9	1414.8	1499.5	1369.9	1251.9	1265.0	1248.5	1228.3
77.5°	817.5	804.0	913.8	1054.0	1214.0	1394.8	1201.8	989.2	890.7	808.4	772.2
80°	242.3	255.7	353.5	525.1	821.0	1046.3	834.9	531.2	325.0	227.5	217.0
82.5°	48.4	60.1	88.0	138.1	351.1	571.7	348.6	157.4	106.3	82.4	76.3
85°	18.8	19.1	38.4	43.6	59.3	115.9	83.6	54.4	51.8	34.5	30.9
87.5°	2.6	3.6	6.1	7.4	6.9	4.0	8.3	5.7	3.1	3.1	2.2
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)