

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: P253771

Luminaire Tested: **LXF.LXT-AF24-30-D-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253771
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-AF24-30-D-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA 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: 3660.1 lumens
Efficiency: N/A
Efficacy: 118.1 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

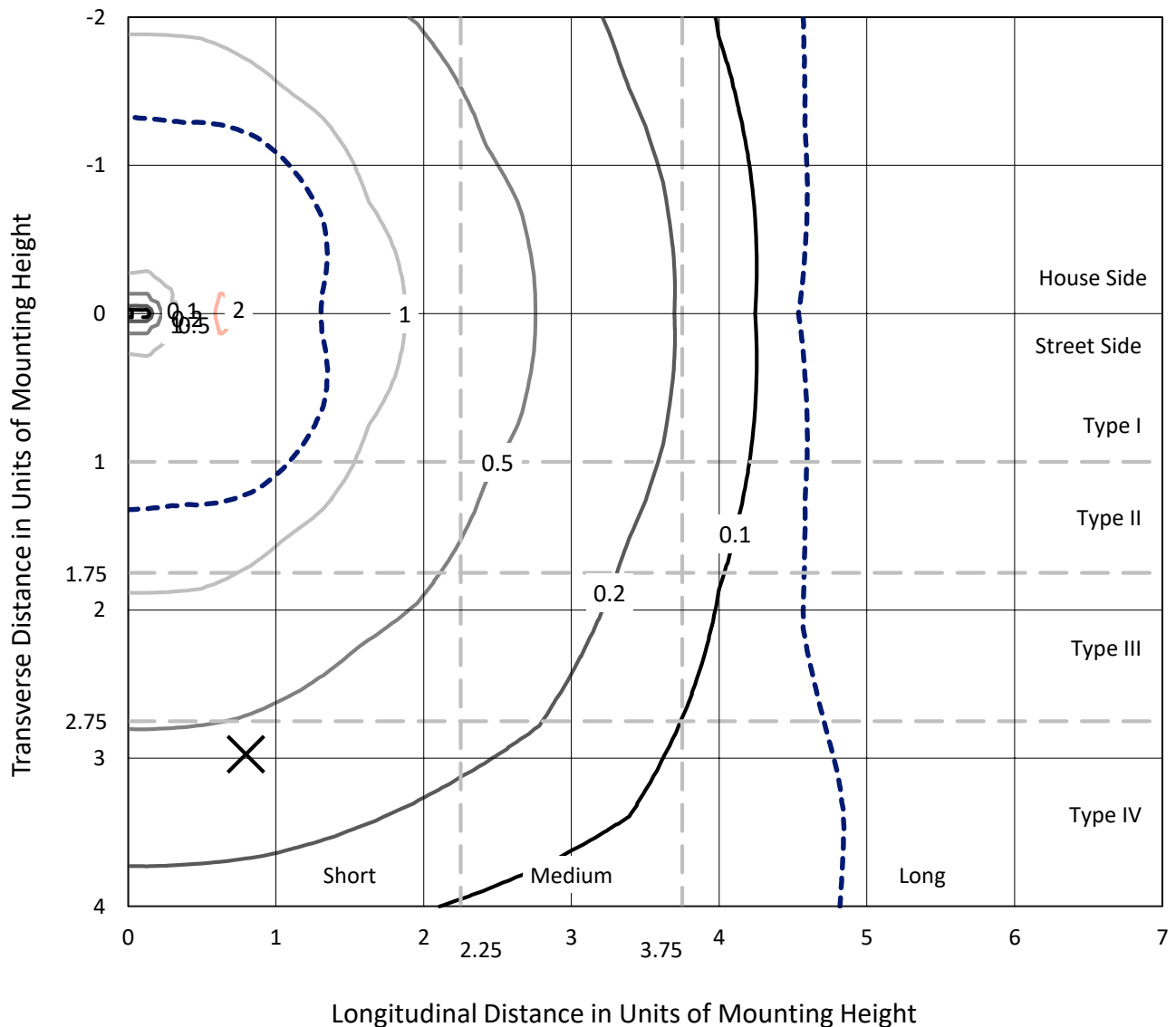
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

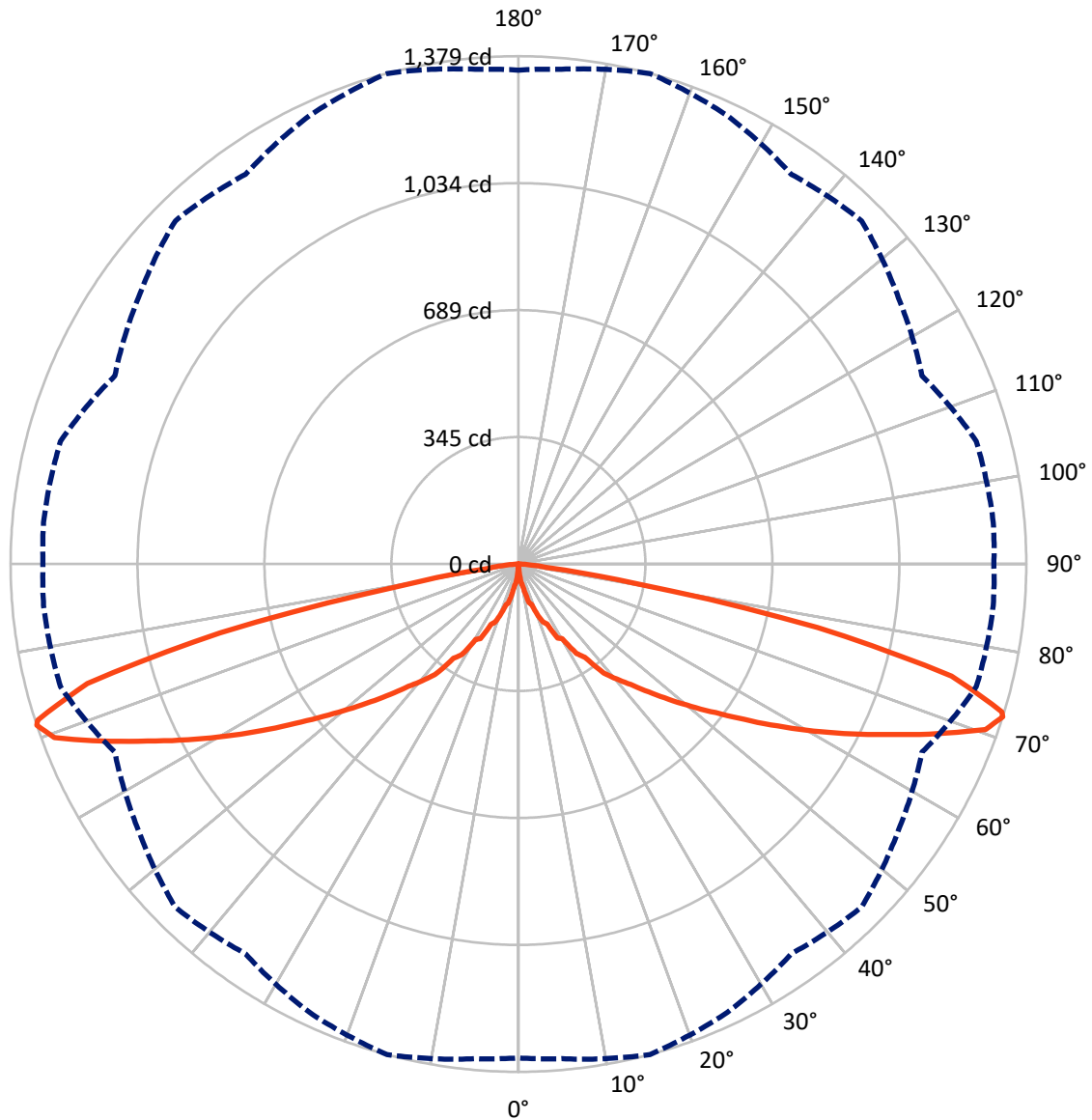


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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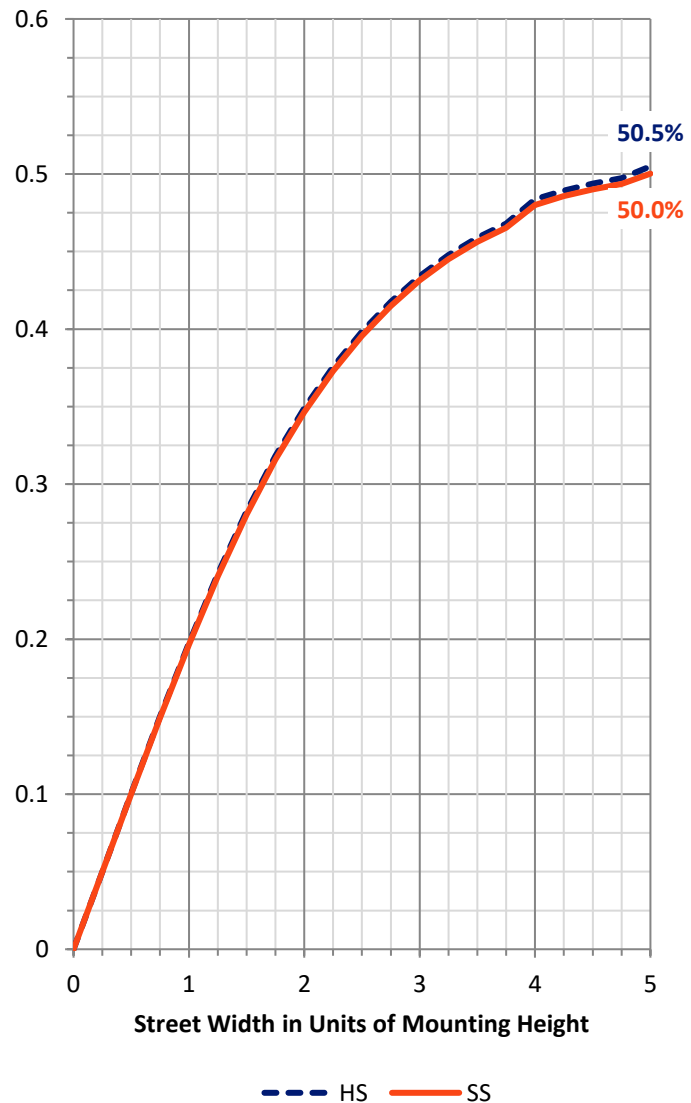
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1830.1	0.0	1830.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1830.1	0.0	1830.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3660.1	0.0	3660.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.0
10°-20°	24.8	0.7
20°-30°	90.8	2.5
30°-40°	200.5	5.5
40°-50°	359.4	9.8
50°-60°	635.4	17.4
60°-70°	1068.7	29.2
70°-80°	1144.3	31.3
80°-90°	134.5	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°	3660.1	100.0
0°-180°	3660.1	100.0



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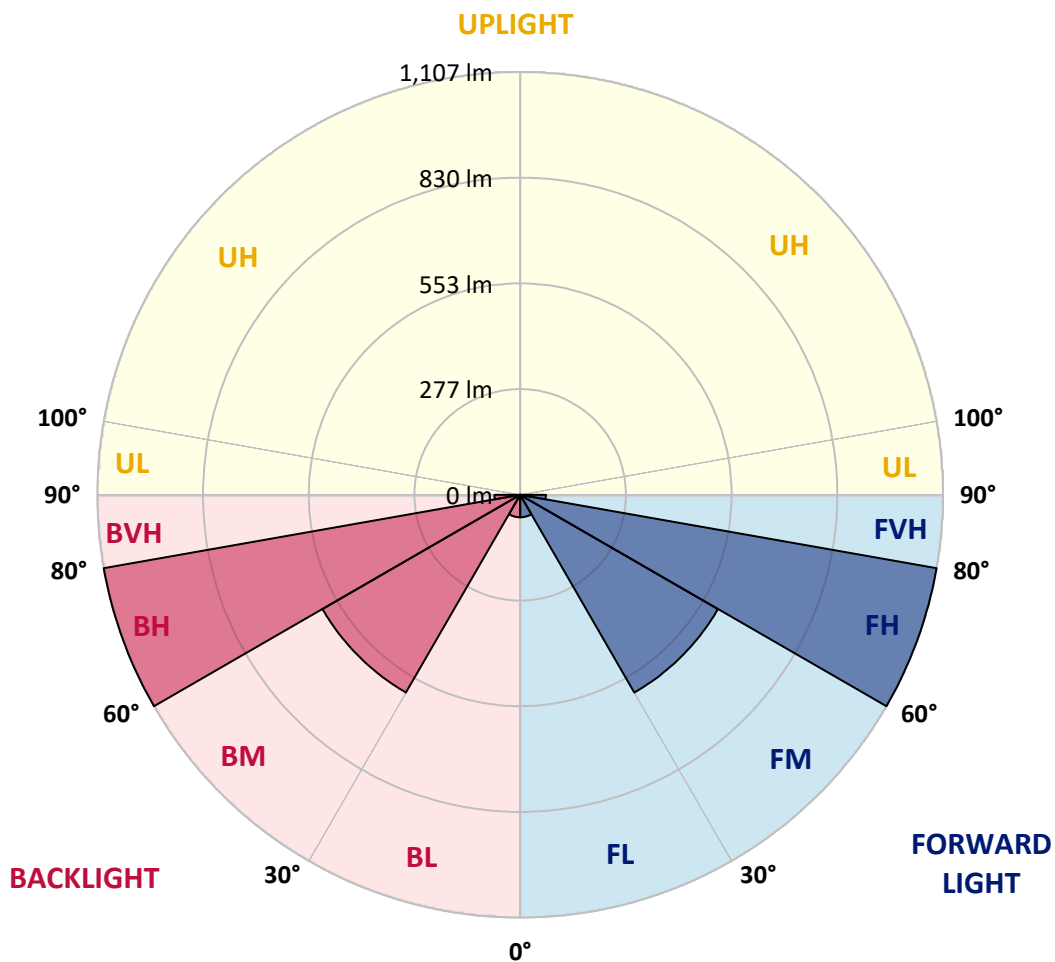
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	58.7	1.6			
FM	(30°-60°)	597.6	16.3			
FH	(60°-80°)	1106.5	30.2			G1/1800
FVH	(80°-90°)	67.2	1.8			G1/100
BL	(0°-30°)	58.7	1.6	B0/110		
BM	(30°-60°)	597.6	16.3	B1/1000		
BH	(60°-80°)	1106.5	30.2	B3/2500		G1/1800
BVH	(80°-90°)	67.2	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°	1.2	1.2	1.2	1.2	0.8	0.8	0.4	0.4	0.8	0.8	0.8
5°	23.0	22.6	17.1	7.9	6.3	2.8	1.2	0.8	0.8	0.8	0.8
7.5°	52.7	51.5	50.3	42.8	32.8	23.3	6.8	1.5	1.2	0.8	0.8
10°	57.5	57.5	56.7	55.4	53.9	48.7	27.3	6.3	2.8	2.4	2.4
12.5°	83.6	83.2	79.3	61.8	56.3	55.0	45.9	24.6	16.3	33.2	39.6
15°	114.1	113.3	109.8	99.0	80.8	59.8	72.1	88.7	76.8	82.0	82.3
17.5°	120.8	119.6	115.3	111.3	104.5	100.7	112.5	108.1	85.5	86.7	87.2
20°	155.7	158.0	145.4	125.6	115.3	150.6	124.0	118.9	140.7	156.1	160.8
22.5°	175.5	174.7	170.7	161.2	168.0	156.1	151.3	170.3	170.7	173.1	173.9
25°	204.0	203.3	180.2	171.5	197.3	170.7	199.3	181.5	186.2	200.1	212.0
27.5°	233.3	232.1	227.4	204.0	203.6	224.6	208.0	224.2	248.4	257.1	261.9
30°	260.6	254.7	234.9	241.2	224.6	236.5	240.1	252.4	258.3	272.5	275.3
32.5°	301.1	299.8	289.6	259.8	265.5	250.7	267.4	266.2	327.2	353.7	362.4
35°	343.8	331.9	310.6	299.8	283.7	295.9	278.4	322.0	341.9	374.0	379.1
37.5°	400.1	399.3	375.9	327.7	313.3	311.0	327.7	337.9	364.1	396.5	400.9
40°	430.3	430.3	410.4	372.4	341.5	338.7	348.2	362.4	390.6	425.4	429.0
42.5°	466.7	466.7	446.8	406.0	387.4	372.4	374.7	391.8	421.9	462.7	467.5
45°	509.4	509.4	495.5	442.1	425.4	408.8	417.2	433.7	469.0	509.4	515.4
47.5°	560.9	559.3	548.3	488.9	471.8	452.0	463.5	481.3	518.1	560.9	565.3
50°	616.0	614.8	606.9	545.1	520.2	506.3	517.0	531.2	573.3	618.0	622.8
52.5°	674.2	673.8	670.6	613.3	580.3	569.7	578.8	592.6	633.8	682.1	686.5
55°	744.3	746.3	744.3	696.0	656.4	651.2	655.2	664.3	704.7	751.1	753.8
57.5°	821.2	822.4	829.5	796.3	752.7	744.3	746.8	753.1	784.7	822.8	825.5
60°	903.2	906.3	920.2	896.1	859.6	860.4	853.2	836.7	870.7	897.6	897.2
62.5°	985.6	989.2	1015.3	995.5	968.9	983.6	963.4	921.4	960.7	979.3	975.7
65°	1075.9	1084.6	1115.5	1108.0	1068.8	1100.5	1069.2	1012.9	1066.4	1067.6	1067.6
67.5°	1188.8	1197.2	1228.9	1215.0	1156.8	1193.2	1157.2	1105.6	1159.5	1153.2	1156.3
70°	1312.0	1320.3	1344.9	1298.5	1234.8	1265.7	1226.0	1174.1	1251.8	1262.9	1260.1
72°	1340.6	1348.0	1378.5	1342.5	1291.4	1317.2	1259.4	1208.6	1286.7	1293.8	1290.7
72.5°	1331.8	1338.5	1372.6	1342.5	1300.5	1328.6	1264.1	1209.4	1281.1	1286.3	1281.9
75°	1153.2	1165.4	1214.1	1245.4	1286.3	1363.1	1245.4	1138.1	1150.0	1135.0	1116.8
77.5°	743.2	730.9	830.7	958.3	1103.7	1268.0	1092.5	899.3	809.7	734.8	701.9
80°	220.2	232.5	321.3	477.3	746.3	951.1	759.0	482.9	295.5	206.7	197.3
82.5°	44.0	54.6	80.0	125.6	319.3	519.8	316.9	143.0	96.7	74.9	69.4
85°	17.1	17.4	34.9	39.6	53.9	105.4	76.1	49.5	47.2	31.3	28.1
87.5°	2.4	3.2	5.5	6.8	6.3	3.6	7.6	5.1	2.8	2.8	1.9
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)