

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: P266168

Luminaire Tested: **LXF.LXT-AF24-80-D-U-5WQ-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266168
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-AF24-80-D-U-5WQ-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 7353.3 lumens
Efficiency: N/A
Efficacy: 88.6 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 - G2

Input Watts (W): 83
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

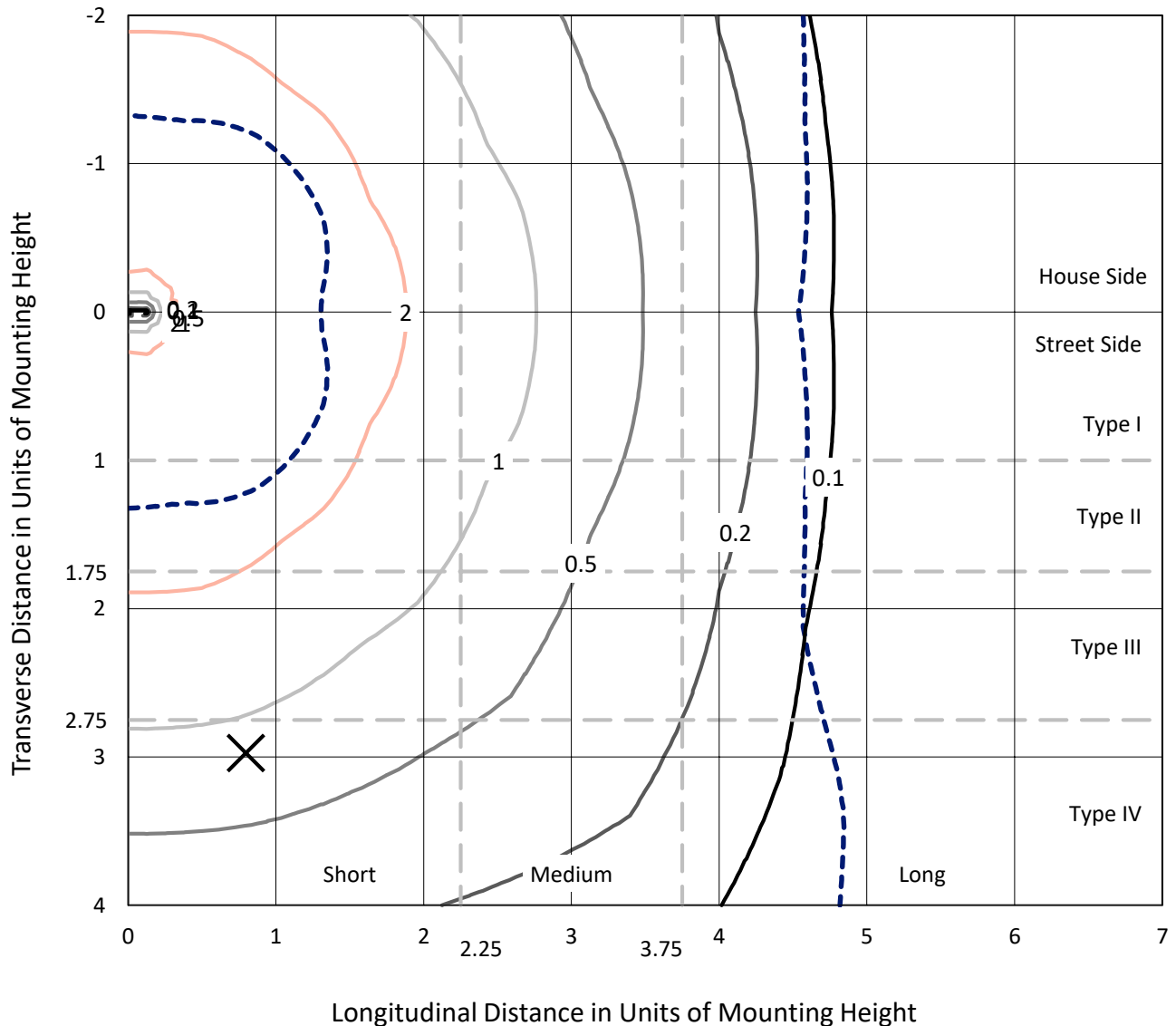


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Iso-Footcandle Lines of Horizontal Illumination

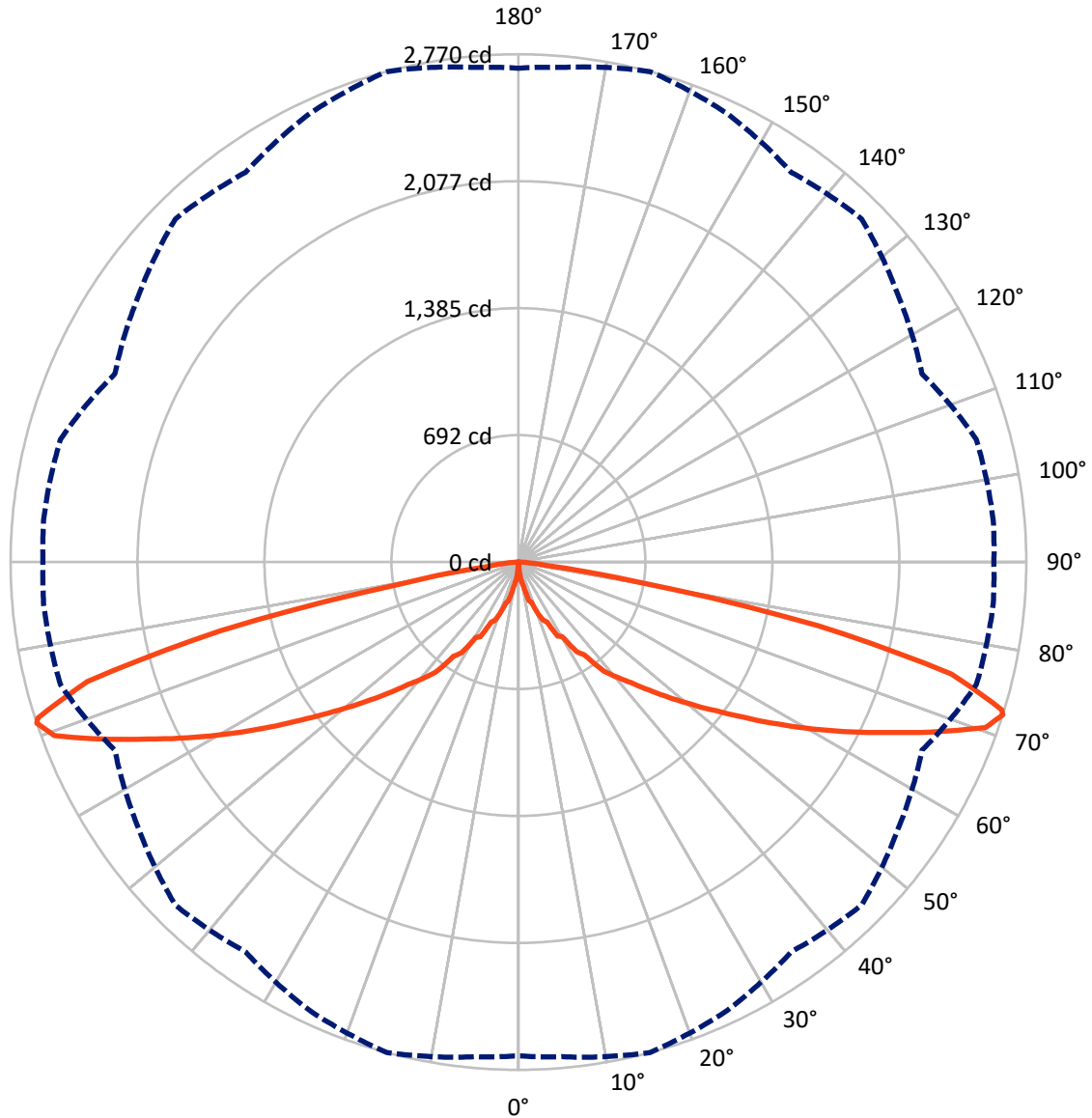
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 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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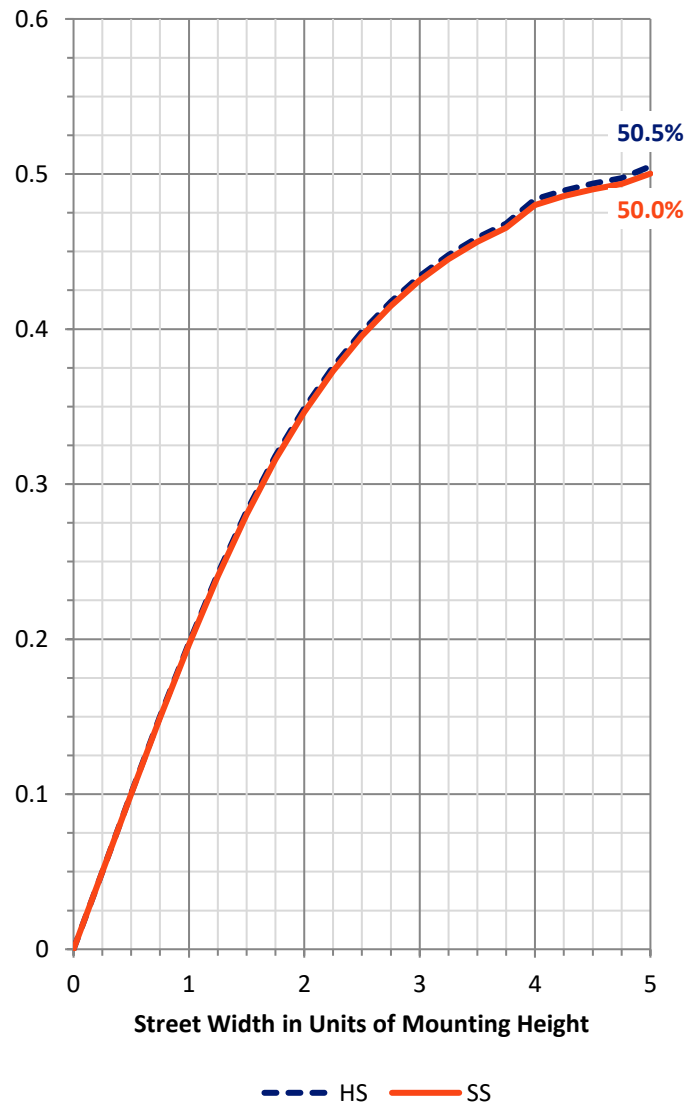
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3676.6	0.0	3676.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3676.6	0.0	3676.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	7353.3	0.0	7353.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.0
10°-20°	49.8	0.7
20°-30°	182.5	2.5
30°-40°	402.8	5.5
40°-50°	722.0	9.8
50°-60°	1276.5	17.4
60°-70°	2147.0	29.2
70°-80°	2298.9	31.3
80°-90°	270.2	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°	7353.3	100.0
0°-180°	7353.3	100.0



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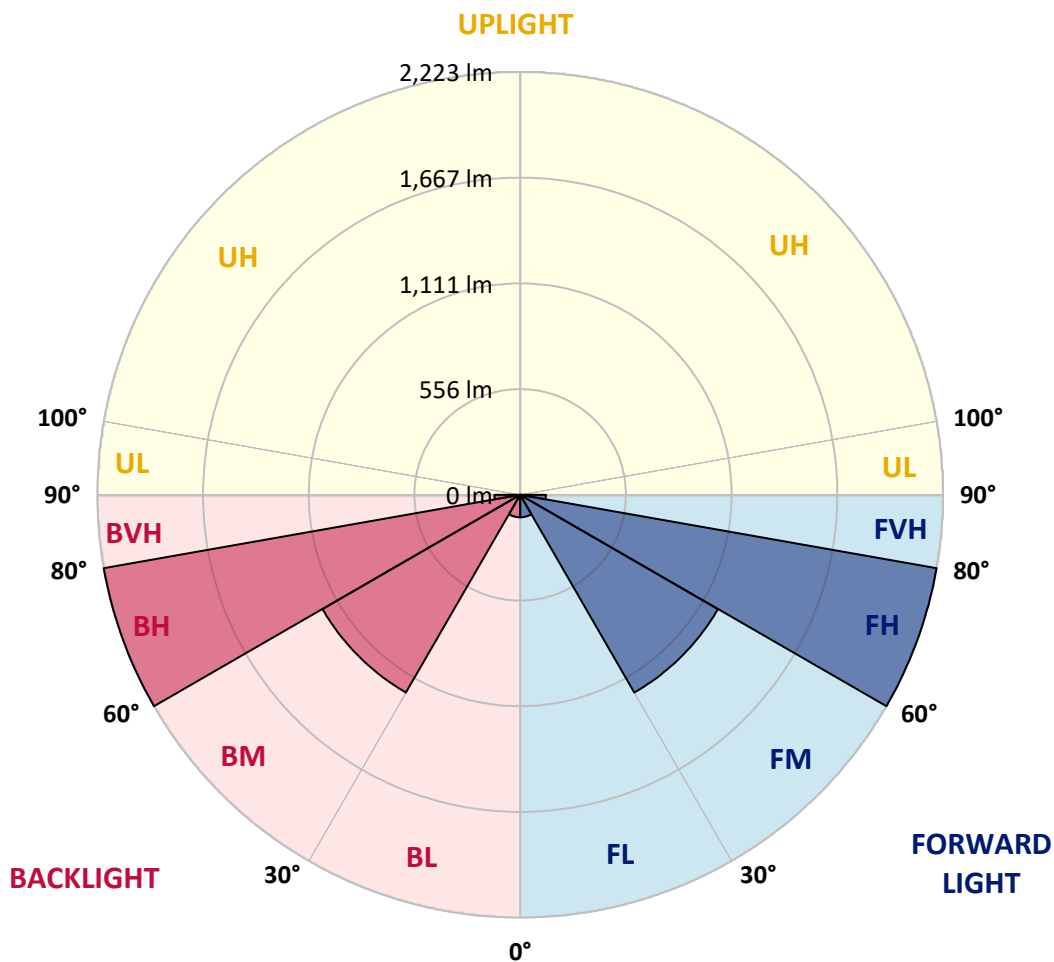
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	117.9	1.6			
FM (30°-60°)	1200.7	16.3			
FH (60°-80°)	2223.0	30.2			G2/5000
FVH (80°-90°)	135.1	1.8			G2/225
BL (0°-30°)	117.9	1.6	B1/500		
BM (30°-60°)	1200.7	16.3	B2/2500		
BH (60°-80°)	2223.0	30.2	B3/2500		G2/5000
BVH (80°-90°)	135.1	1.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.3	2.3	2.3	2.3	1.5	1.5	0.8	0.8	1.5	1.5	1.5
5°	46.2	45.4	34.2	15.9	12.8	5.6	2.3	1.5	1.5	1.5	1.5
7.5°	105.8	103.5	101.1	86.0	66.0	46.9	13.6	3.1	2.3	1.5	1.5
10°	115.4	115.4	113.8	111.4	108.2	97.8	54.8	12.8	5.6	4.9	4.9
12.5°	168.0	167.2	159.2	124.1	112.9	110.6	92.3	49.3	32.6	66.8	79.6
15°	229.2	227.6	220.4	199.0	162.4	120.2	144.8	178.3	154.4	164.7	165.6
17.5°	242.7	240.3	231.7	223.7	210.2	202.2	226.1	217.3	171.8	174.4	175.1
20°	312.8	317.6	292.0	252.2	231.7	302.4	249.1	238.8	282.5	313.6	323.1
22.5°	352.6	351.0	343.1	323.8	337.5	313.6	304.0	342.3	343.1	347.7	349.4
25°	409.8	408.3	362.0	344.6	396.3	343.1	400.4	364.5	374.1	401.9	425.7
27.5°	468.7	466.4	456.8	409.8	409.1	451.3	417.8	450.5	499.0	516.5	526.0
30°	523.6	511.8	471.9	484.6	451.3	475.2	482.3	507.0	519.0	547.5	553.1
32.5°	604.9	602.5	581.7	522.0	533.2	503.8	537.1	534.9	657.4	710.6	728.2
35°	690.7	666.9	624.0	602.5	569.9	594.5	559.5	647.0	686.8	751.3	761.7
37.5°	803.9	802.2	755.2	658.2	629.5	624.7	658.2	678.8	731.4	796.6	805.4
40°	864.3	864.3	824.6	748.1	686.0	680.5	699.6	728.2	784.7	854.7	862.0
42.5°	937.6	937.6	897.8	815.8	778.3	748.1	752.9	787.0	847.6	929.6	939.1
45°	1023.4	1023.4	995.6	888.2	854.7	821.3	837.9	871.4	942.3	1023.4	1035.3
47.5°	1127.0	1123.7	1101.4	982.0	947.8	908.0	931.2	966.9	1041.0	1127.0	1135.6
50°	1237.5	1235.2	1219.2	1095.2	1045.0	1017.2	1038.6	1067.2	1151.5	1241.5	1251.1
52.5°	1354.6	1353.7	1347.4	1231.9	1165.9	1144.4	1162.8	1190.7	1273.3	1370.5	1379.2
55°	1495.4	1499.5	1495.4	1398.3	1318.7	1308.4	1316.3	1334.6	1415.8	1509.0	1514.5
57.5°	1649.7	1652.3	1666.5	1599.6	1512.0	1495.4	1500.2	1512.9	1576.5	1653.1	1658.5
60°	1814.5	1821.0	1848.7	1800.3	1727.0	1728.6	1714.2	1680.8	1749.3	1803.3	1802.5
62.5°	1980.0	1987.2	2039.7	1999.9	1946.6	1976.1	1935.5	1851.1	1929.9	1967.4	1960.2
65°	2161.5	2179.1	2241.1	2226.0	2147.2	2210.9	2147.9	2035.0	2142.5	2144.9	2144.9
67.5°	2388.4	2405.0	2468.7	2440.9	2323.8	2397.0	2324.6	2221.1	2329.5	2316.6	2323.0
70°	2635.8	2652.5	2701.9	2608.8	2480.7	2542.7	2463.2	2358.9	2514.8	2537.2	2531.7
72°	2693.2	2708.3	2769.6	2697.2	2594.5	2646.1	2529.9	2428.2	2585.0	2599.2	2592.9
72.5°	2675.6	2689.2	2757.6	2697.2	2612.8	2669.3	2539.6	2429.7	2573.7	2584.2	2575.4
75°	2316.6	2341.4	2439.3	2502.1	2584.2	2738.6	2502.1	2286.5	2310.4	2280.1	2243.4
77.5°	1493.1	1468.3	1669.0	1925.2	2217.2	2547.6	2195.0	1806.6	1626.7	1476.4	1410.2
80°	442.4	467.2	645.4	959.0	1499.5	1910.9	1524.9	970.1	593.7	415.5	396.3
82.5°	88.4	109.9	160.7	252.2	641.5	1044.2	636.7	287.3	194.3	150.5	139.2
85°	34.2	35.0	70.1	79.6	108.2	211.7	152.8	99.5	94.7	62.9	56.6
87.5°	4.9	6.4	11.1	13.6	12.8	7.1	15.1	10.3	5.6	5.6	4.0
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)