

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: P266226

Luminaire Tested: **LXF.LXT-AF24-100-D-U-5WQ-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266226
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-AF24-100-D-U-5WQ-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA 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: 8027.5 lumens
Efficiency: N/A
Efficacy: 83.6 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): 96
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

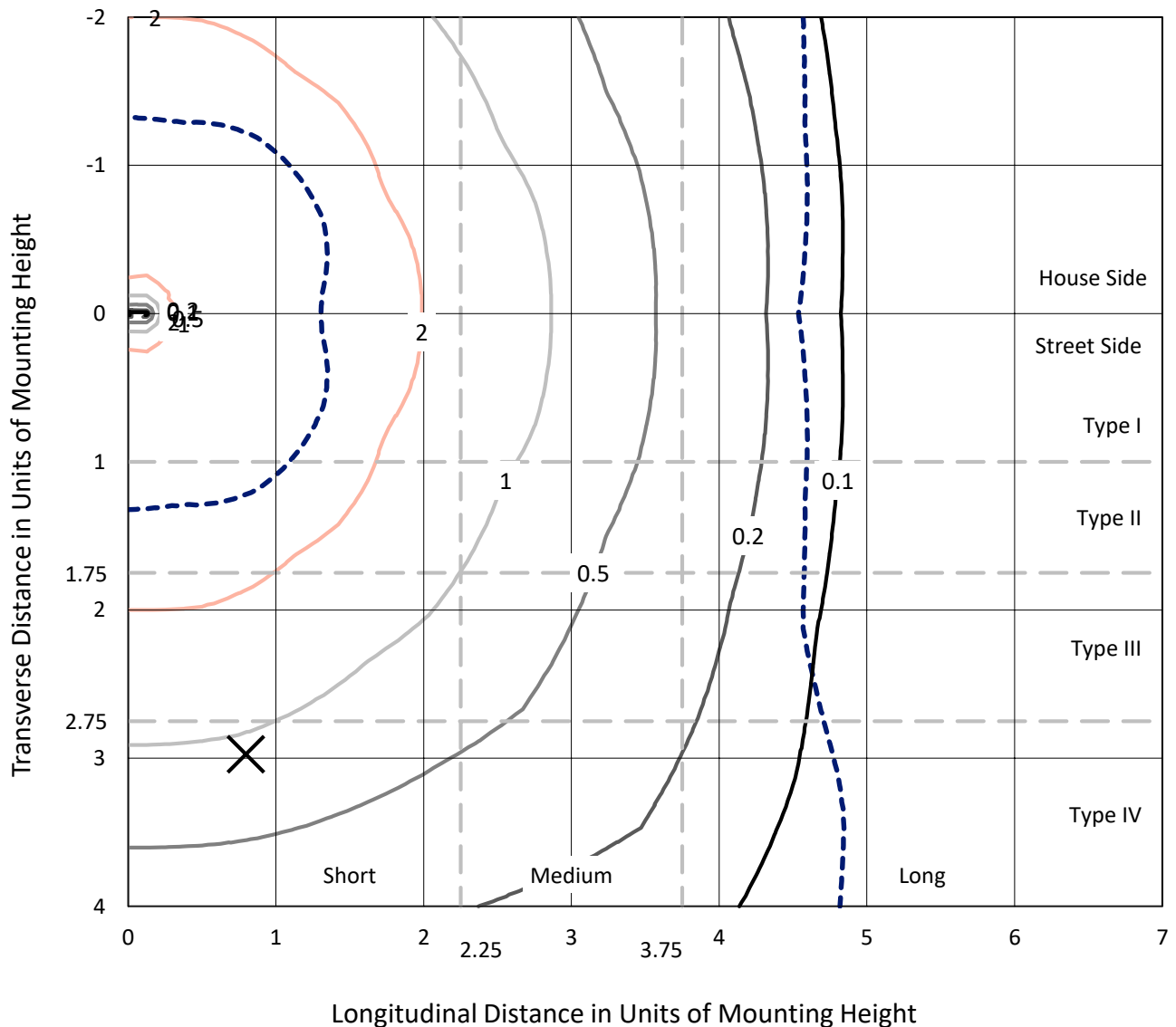


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

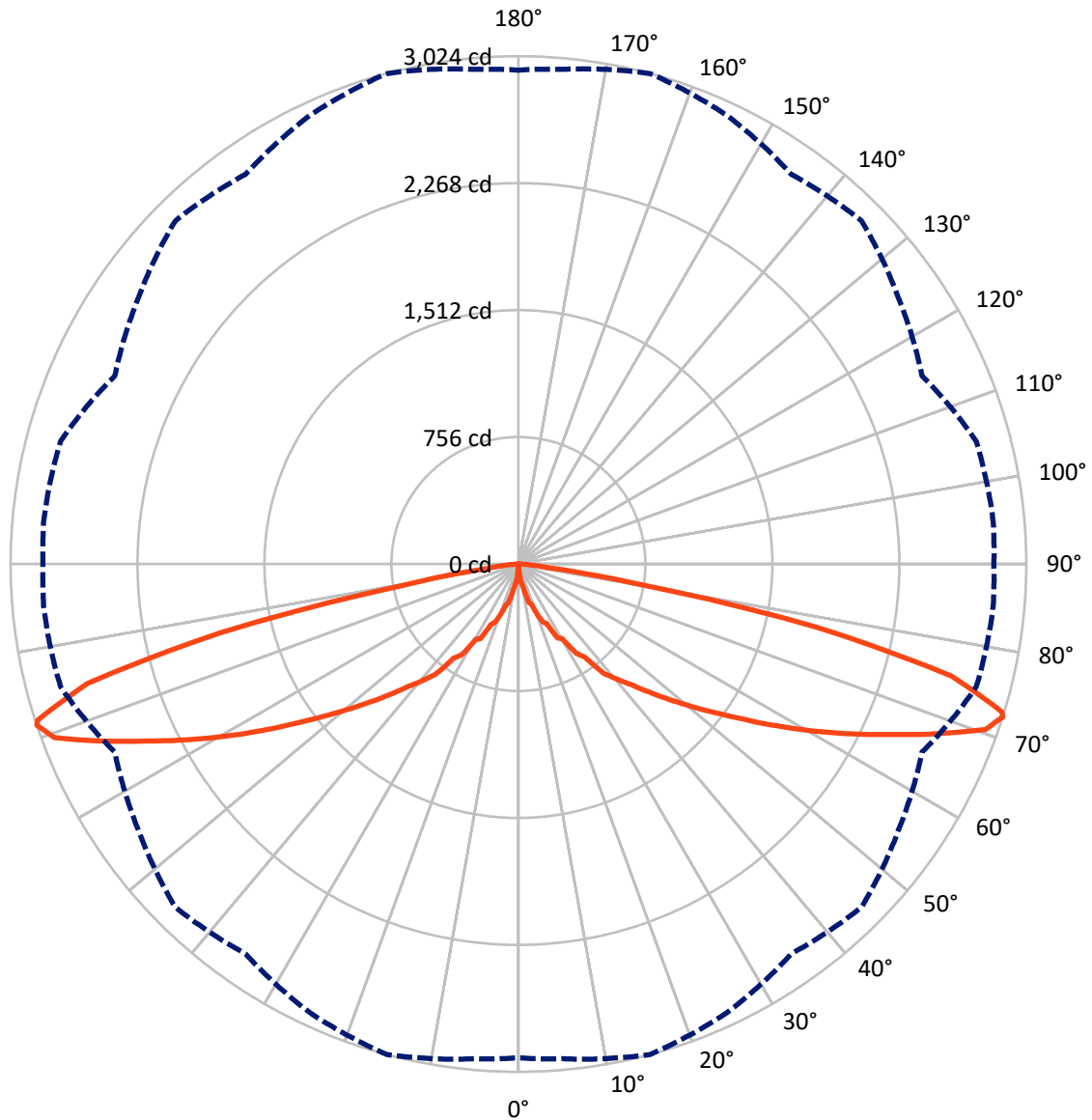


Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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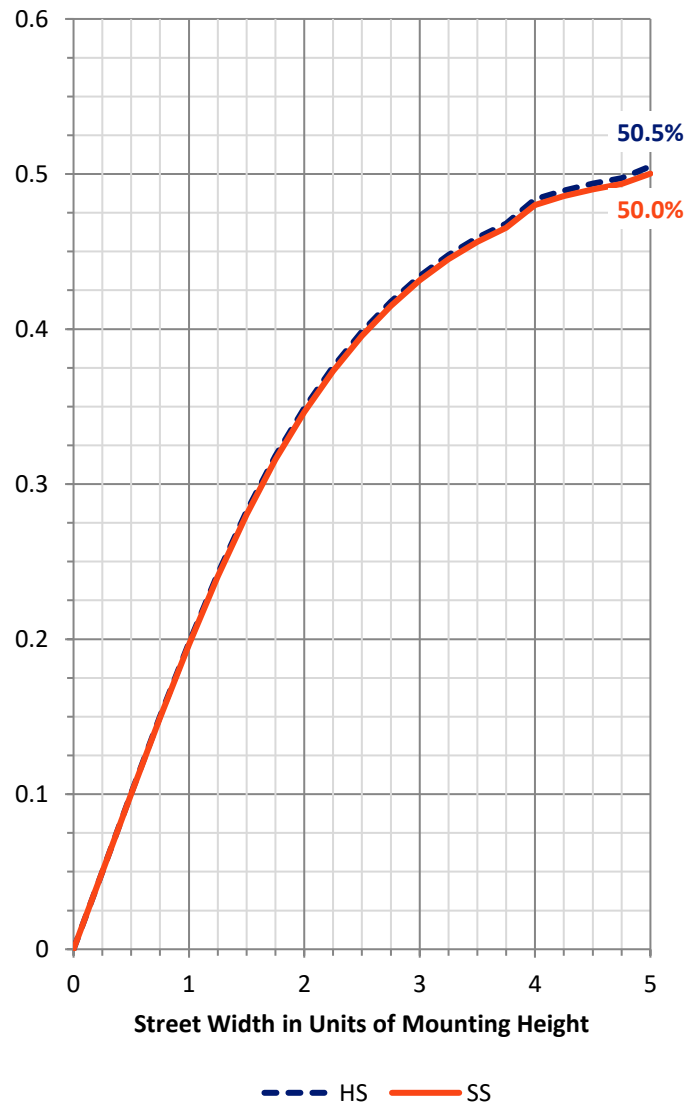
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4013.7	0.0	4013.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4013.7	0.0	4013.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	8027.5	0.0	8027.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.0
10°-20°	54.4	0.7
20°-30°	199.2	2.5
30°-40°	439.8	5.5
40°-50°	788.2	9.8
50°-60°	1393.6	17.4
60°-70°	2343.9	29.2
70°-80°	2509.7	31.3
80°-90°	294.9	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°	8027.5	100.0
0°-180°	8027.5	100.0



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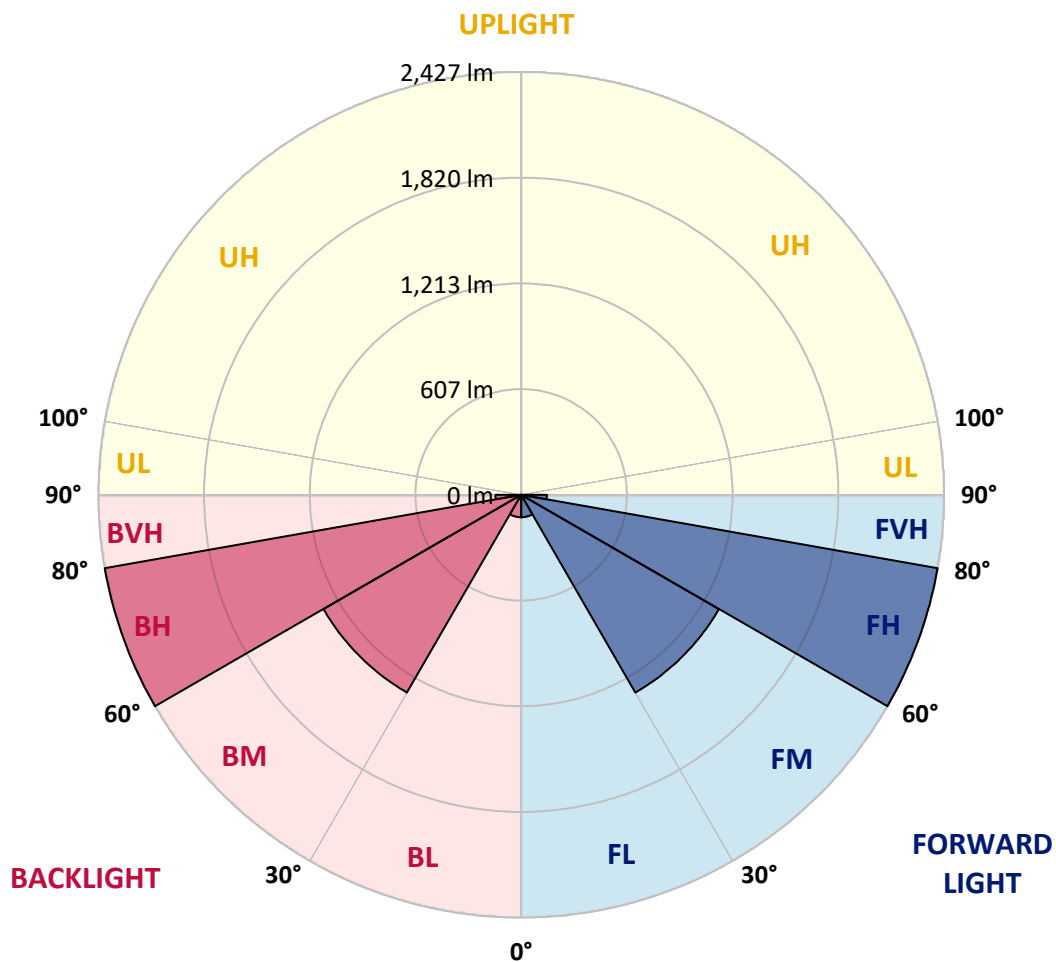
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	128.7	1.6			
FM (30°-60°)	1310.7	16.3			
FH (60°-80°)	2426.8	30.2			G2/5000
FVH (80°-90°)	147.5	1.8			G2/225
BL (0°-30°)	128.7	1.6	B1/500		
BM (30°-60°)	1310.7	16.3	B2/2500		
BH (60°-80°)	2426.8	30.2	B3/2500		G2/5000
BVH (80°-90°)	147.5	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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.6	2.6	2.6	2.6	1.7	1.7	0.9	0.9	1.7	1.7	1.7
5°	50.3	49.5	37.4	17.3	14.0	6.1	2.6	1.7	1.7	1.7	1.7
7.5°	115.5	112.9	110.3	93.9	72.1	51.3	14.7	3.5	2.6	1.7	1.7
10°	126.0	126.0	124.2	121.6	118.1	106.9	59.9	14.0	6.1	5.2	5.2
12.5°	183.3	182.4	173.7	135.6	123.3	120.7	100.8	53.9	35.7	73.0	86.9
15°	250.2	248.6	240.7	217.2	177.2	131.2	158.1	194.7	168.5	179.8	180.6
17.5°	265.0	262.3	252.9	244.1	229.3	220.7	246.8	237.2	187.7	190.4	191.1
20°	341.4	346.7	318.9	275.4	252.9	330.1	271.9	260.7	308.5	342.3	352.8
22.5°	385.0	383.1	374.5	353.7	368.3	342.3	332.0	373.5	374.5	379.7	381.4
25°	447.4	445.6	395.3	376.2	432.7	374.5	437.0	397.9	408.4	438.7	464.9
27.5°	511.8	509.1	498.6	447.4	446.5	492.6	456.1	491.7	544.7	563.9	574.2
30°	571.7	558.7	515.2	529.1	492.6	518.7	526.4	553.4	566.6	597.7	603.8
32.5°	660.3	657.6	635.1	570.0	582.1	549.9	586.5	583.9	717.7	775.9	795.0
35°	754.1	728.0	681.2	657.6	622.0	649.0	610.8	706.3	749.7	820.2	831.6
37.5°	877.6	875.8	824.6	718.6	687.3	682.1	718.6	741.1	798.5	869.6	879.3
40°	943.5	943.5	900.1	816.6	748.9	742.9	763.6	795.0	856.7	933.1	941.0
42.5°	1023.4	1023.4	980.1	890.6	849.6	816.6	821.9	859.3	925.3	1014.7	1025.2
45°	1117.3	1117.3	1086.9	969.6	933.1	896.6	914.8	951.3	1028.6	1117.3	1130.3
47.5°	1230.3	1226.7	1202.4	1072.1	1034.8	991.3	1016.5	1055.6	1136.4	1230.3	1239.8
50°	1351.1	1348.4	1331.1	1195.6	1140.8	1110.3	1133.8	1165.1	1257.2	1355.4	1365.9
52.5°	1478.7	1477.9	1471.0	1344.9	1272.8	1249.4	1269.3	1299.8	1390.1	1496.0	1505.6
55°	1632.5	1636.9	1632.5	1526.5	1439.7	1428.3	1437.1	1457.1	1545.7	1647.3	1653.4
57.5°	1801.1	1803.6	1819.3	1746.3	1650.7	1632.5	1637.7	1651.7	1721.2	1804.5	1810.7
60°	1980.9	1987.9	2018.3	1965.3	1885.4	1887.1	1871.4	1835.0	1909.6	1968.7	1967.8
62.5°	2161.6	2169.4	2226.8	2183.4	2125.1	2157.3	2113.1	2020.8	2107.0	2147.8	2139.9
65°	2359.8	2378.8	2446.7	2430.2	2344.0	2413.6	2344.9	2221.6	2338.8	2341.5	2341.5
67.5°	2607.3	2625.6	2695.2	2664.7	2537.0	2616.9	2537.8	2425.0	2543.0	2529.2	2536.2
70°	2877.6	2895.7	2949.7	2848.0	2708.1	2775.9	2689.0	2575.3	2745.5	2769.8	2763.7
72°	2940.2	2956.6	3023.5	2944.5	2832.4	2888.9	2762.0	2650.8	2821.9	2837.6	2830.6
72.5°	2921.0	2935.8	3010.5	2944.5	2852.4	2914.0	2772.3	2652.5	2809.8	2821.0	2811.5
75°	2529.2	2556.0	2662.9	2731.6	2821.0	2989.6	2731.6	2496.1	2522.3	2489.3	2449.1
77.5°	1630.0	1602.9	1821.9	2101.7	2420.6	2781.2	2396.1	1972.3	1775.9	1611.6	1539.5
80°	483.1	510.0	704.6	1047.0	1636.9	2086.0	1664.6	1059.1	648.1	453.6	432.7
82.5°	96.5	120.0	175.4	275.4	700.3	1139.9	695.1	313.7	212.0	164.2	152.1
85°	37.4	38.2	76.4	86.9	118.1	231.1	166.8	108.7	103.3	68.6	61.8
87.5°	5.2	6.9	12.1	14.7	14.0	7.8	16.4	11.3	6.1	6.1	4.3
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)