

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: P253767

Luminaire Tested: **LXF.LXT-AF24-80-D-U-5WQ-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253767  
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-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 8185.7 lumens  
Efficiency: N/A  
Efficacy: 98.6 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 (A<sub>in</sub>): 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

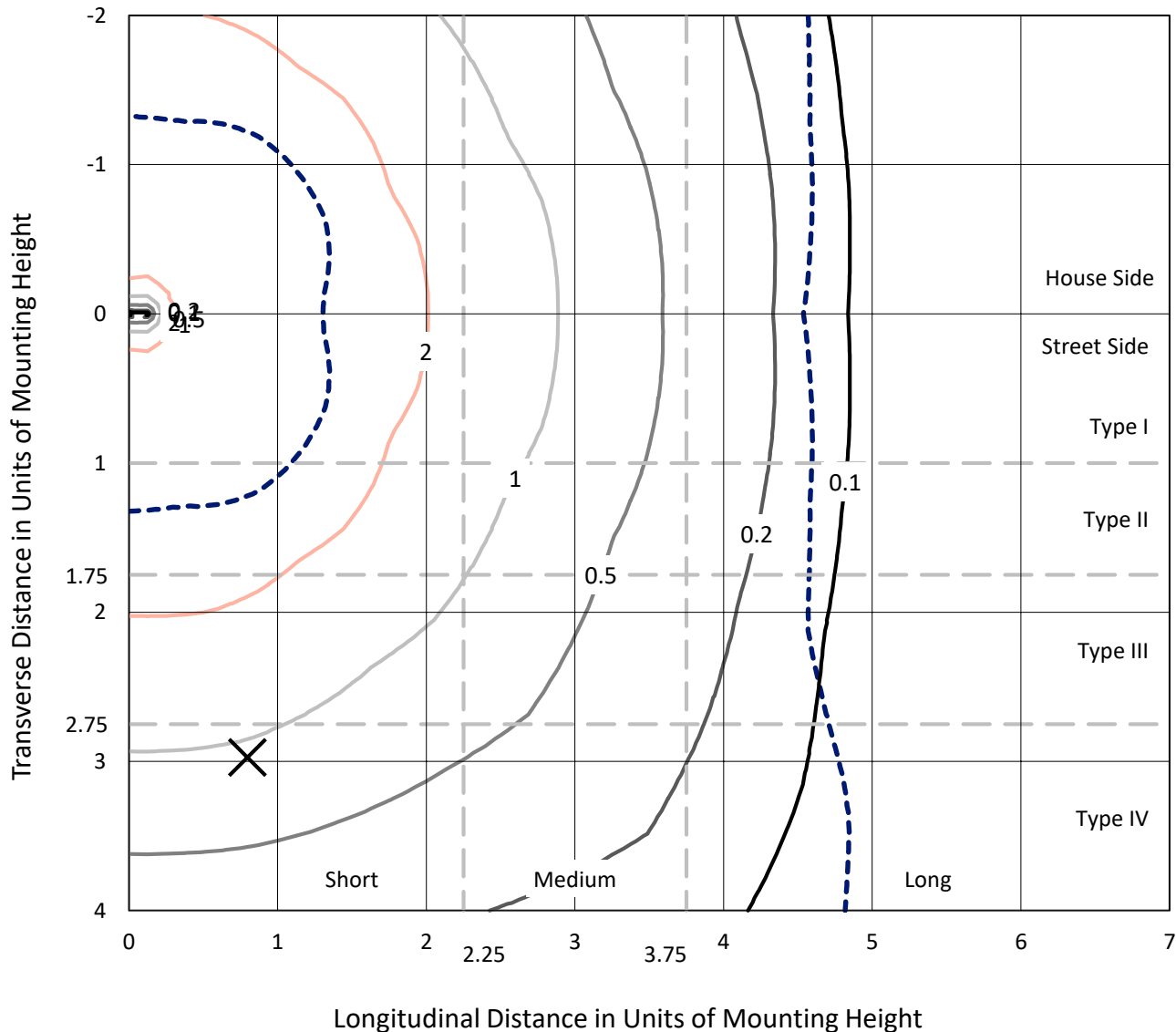


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

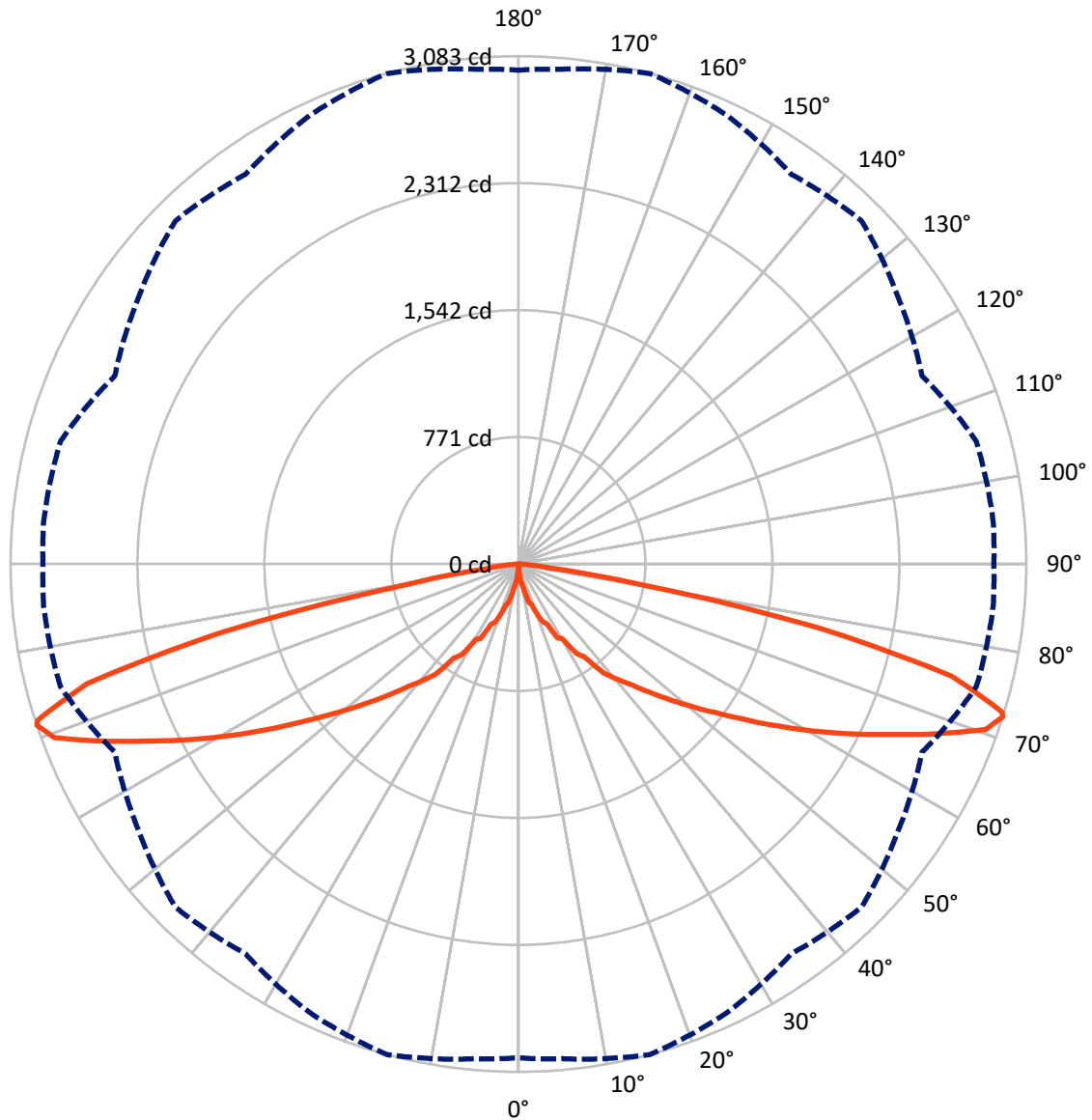


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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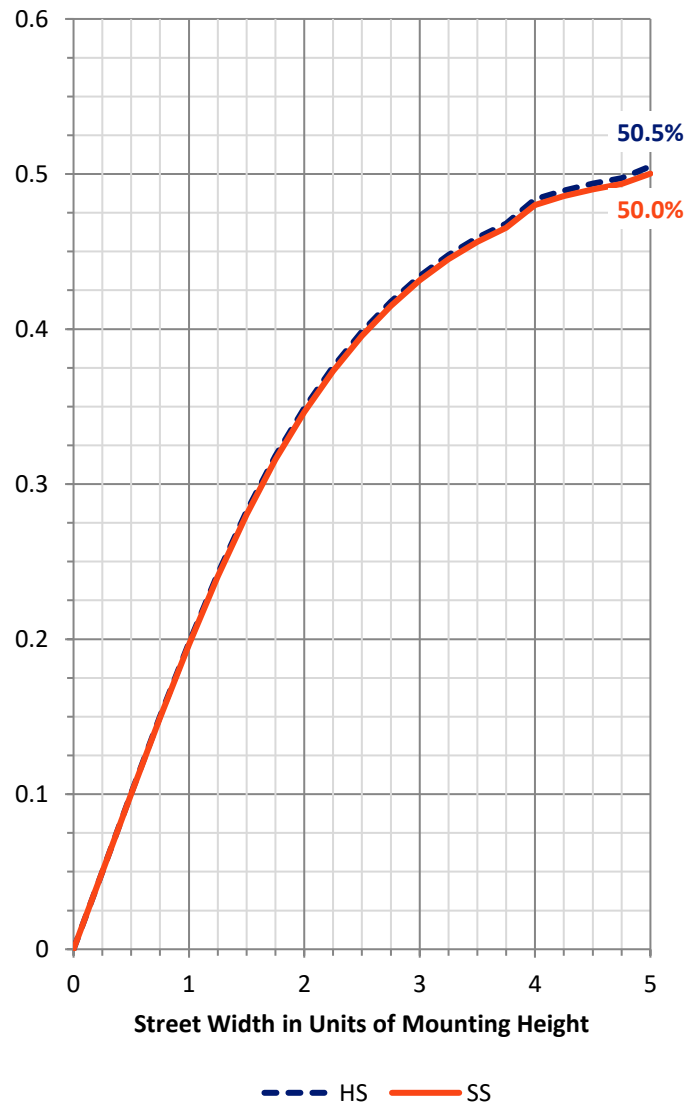
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4092.9	0.0	4092.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4092.9	0.0	4092.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8185.7	0.0	8185.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.9	0.0
10°-20°	55.5	0.7
20°-30°	203.2	2.5
30°-40°	448.4	5.5
40°-50°	803.7	9.8
50°-60°	1421.0	17.4
60°-70°	2390.1	29.2
70°-80°	2559.2	31.3
80°-90°	300.7	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°	8185.7	100.0
0°-180°	8185.7	100.0

**Coefficient of Utilization**



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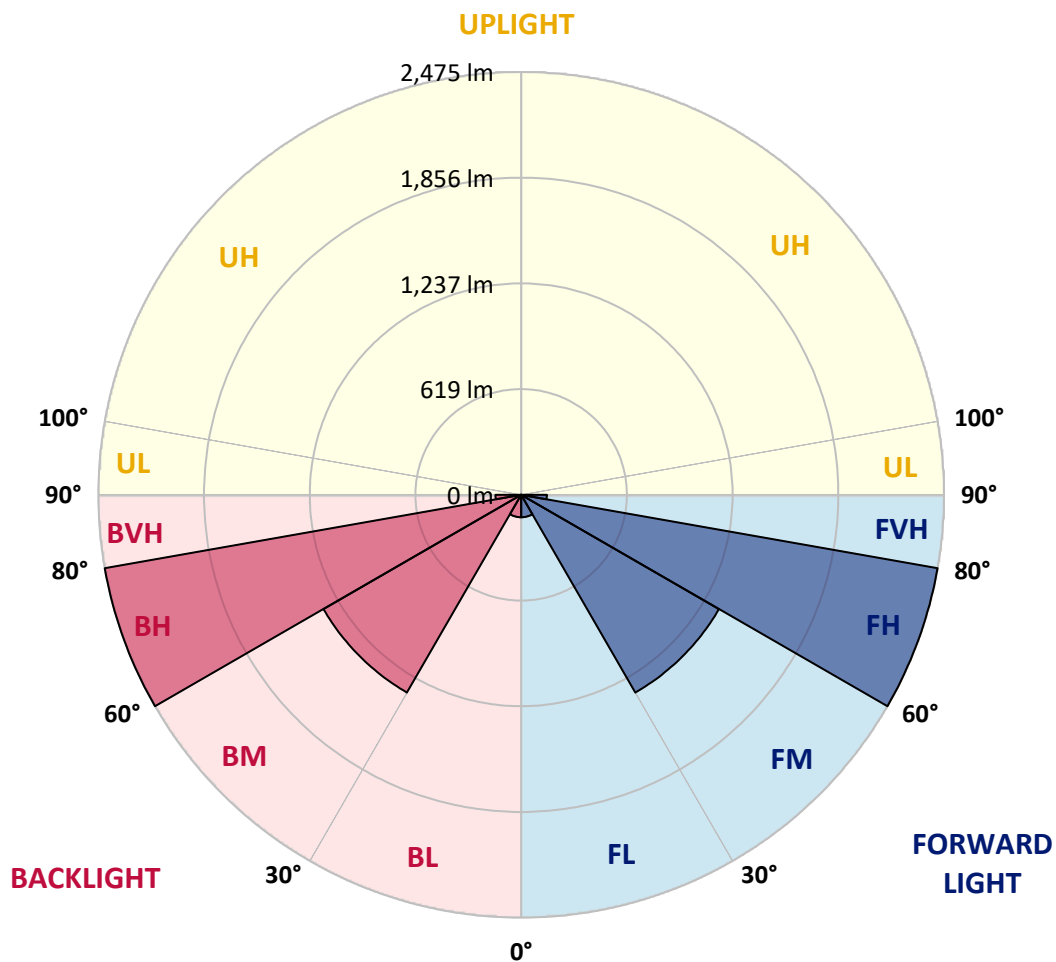
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.3	1.6			
FM (30°-60°)	1336.6	16.3			
FH (60°-80°)	2474.6	30.2			G2/5000
FVH (80°-90°)	150.4	1.8			G2/225
BL (0°-30°)	131.3	1.6	B1/500		
BM (30°-60°)	1336.6	16.3	B2/2500		
BH (60°-80°)	2474.6	30.2	B3/2500		G2/5000
BVH (80°-90°)	150.4	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°	51.4	50.5	38.1	17.7	14.2	6.2	2.6	1.7	1.7	1.7	1.7
7.5°	117.8	115.2	112.5	95.7	73.5	52.2	15.1	3.5	2.6	1.7	1.7
10°	128.5	128.5	126.7	124.0	120.5	108.9	61.0	14.2	6.2	5.4	5.4
12.5°	187.0	186.1	177.2	138.2	125.7	123.1	102.8	54.9	36.3	74.4	88.6
15°	255.1	253.4	245.4	221.5	180.8	133.8	161.2	198.5	171.9	183.3	184.3
17.5°	270.2	267.5	257.9	249.0	234.0	225.1	251.7	241.9	191.3	194.1	194.9
20°	348.2	353.5	325.1	280.8	257.9	336.6	277.3	265.8	314.5	349.1	359.7
22.5°	392.5	390.7	381.9	360.5	375.7	349.1	338.4	381.0	381.9	387.1	389.0
25°	456.2	454.5	403.0	383.6	441.2	381.9	445.7	405.8	416.4	447.4	473.9
27.5°	521.8	519.2	508.5	456.2	455.4	502.4	465.1	501.5	555.5	575.0	585.6
30°	582.9	569.7	525.3	539.5	502.4	529.0	536.9	564.4	577.7	609.5	615.7
32.5°	673.4	670.7	647.6	581.1	593.6	560.8	597.9	595.4	731.8	791.1	810.6
35°	768.9	742.4	694.6	670.7	634.4	661.8	622.8	720.2	764.6	836.4	847.9
37.5°	894.9	893.0	840.7	732.7	700.8	695.4	732.7	755.7	814.2	886.8	896.6
40°	962.1	962.1	917.9	832.8	763.7	757.5	778.8	810.6	873.5	951.5	959.6
42.5°	1043.7	1043.7	999.4	908.1	866.4	832.8	838.1	876.1	943.6	1034.8	1045.4
45°	1139.3	1139.3	1108.3	988.7	951.5	914.3	932.8	970.1	1049.0	1139.3	1152.5
47.5°	1254.6	1250.9	1226.1	1093.2	1055.1	1010.8	1036.6	1076.4	1158.8	1254.6	1264.2
50°	1377.6	1375.0	1357.2	1219.2	1163.3	1132.3	1156.2	1188.0	1281.9	1382.1	1392.7
52.5°	1507.9	1507.0	1499.9	1371.4	1297.9	1274.0	1294.4	1325.5	1417.5	1525.6	1535.3
55°	1664.7	1669.2	1664.7	1556.6	1468.0	1456.5	1465.3	1485.7	1576.1	1679.8	1686.0
57.5°	1836.5	1839.3	1855.2	1780.7	1683.2	1664.7	1670.0	1684.2	1755.0	1840.2	1846.3
60°	2019.9	2027.1	2058.0	2004.1	1922.5	1924.3	1908.3	1871.1	1947.3	2007.5	2006.6
62.5°	2204.2	2212.2	2270.6	2226.3	2167.0	2199.8	2154.6	2060.7	2148.4	2190.1	2182.1
65°	2406.2	2425.8	2494.8	2478.0	2390.3	2461.2	2391.1	2265.4	2385.0	2387.7	2387.7
67.5°	2658.8	2677.3	2748.2	2717.2	2586.9	2668.4	2587.8	2472.6	2593.2	2578.9	2586.0
70°	2934.2	2952.8	3007.8	2904.1	2761.5	2830.6	2742.0	2625.9	2799.5	2824.4	2818.3
72°	2998.1	3014.9	3083.1	3002.5	2888.2	2945.7	2816.3	2703.1	2877.6	2893.5	2886.4
72.5°	2978.5	2993.6	3069.8	3002.5	2908.6	2971.5	2827.1	2704.8	2865.1	2876.7	2867.0
75°	2578.9	2606.5	2715.4	2785.4	2876.7	3048.6	2785.4	2545.3	2571.9	2538.2	2497.4
77.5°	1662.1	1634.5	1857.9	2143.1	2468.2	2836.0	2443.5	2011.1	1810.9	1643.5	1569.9
80°	492.5	520.1	718.5	1067.6	1669.2	2127.2	1697.5	1079.9	660.9	462.5	441.2
82.5°	98.4	122.3	178.9	280.8	714.1	1162.4	708.8	319.8	216.3	167.5	155.0
85°	38.1	39.0	78.0	88.6	120.5	235.7	170.1	110.8	105.4	70.0	63.0
87.5°	5.4	7.1	12.4	15.1	14.2	7.9	16.8	11.5	6.2	6.2	4.5
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)