

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: P413777

Luminaire Tested: **LXF.LXT-PA1-100-730-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-730-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9685 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 96
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

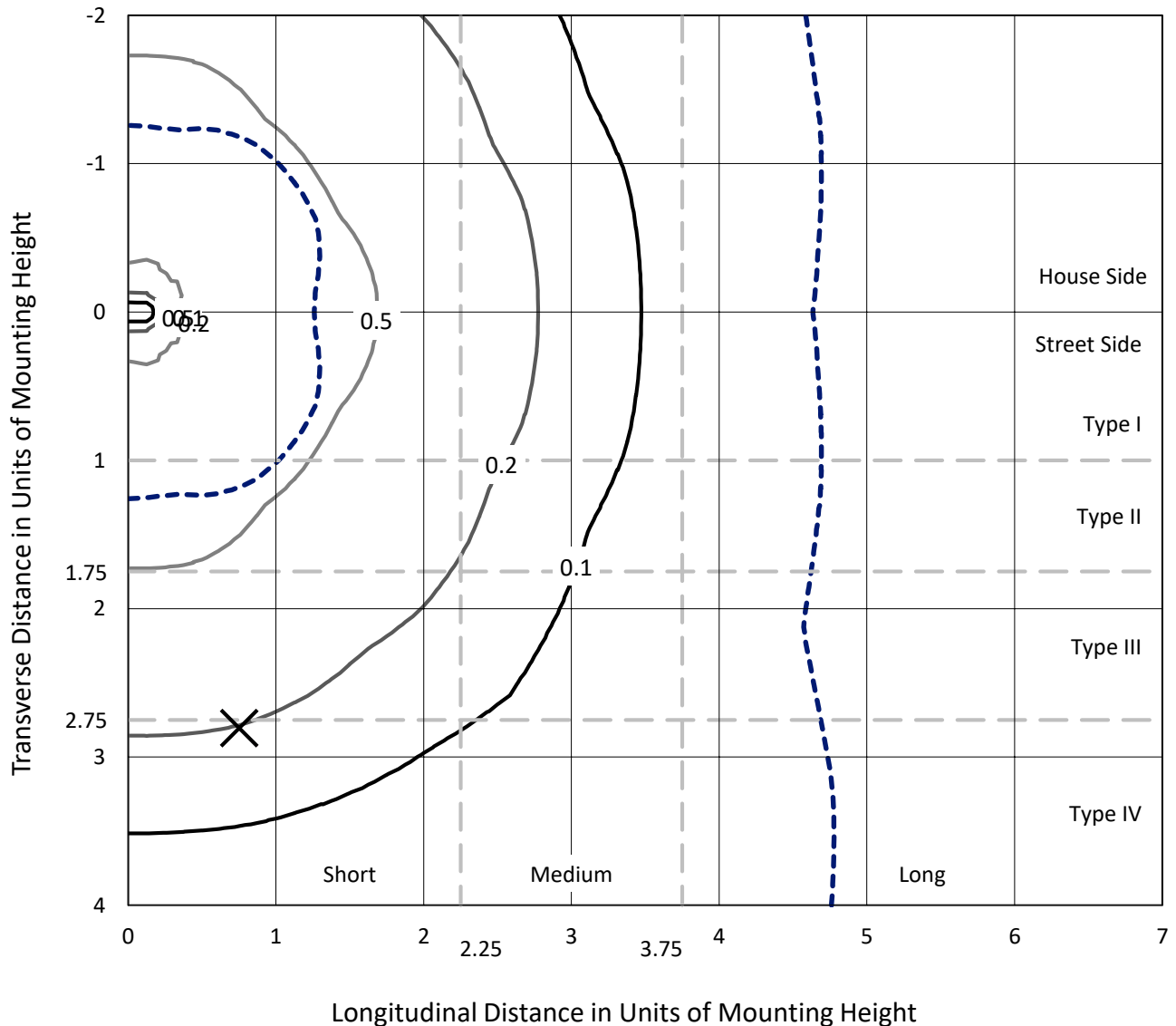


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Iso-Footcandle Lines of Horizontal Illumination

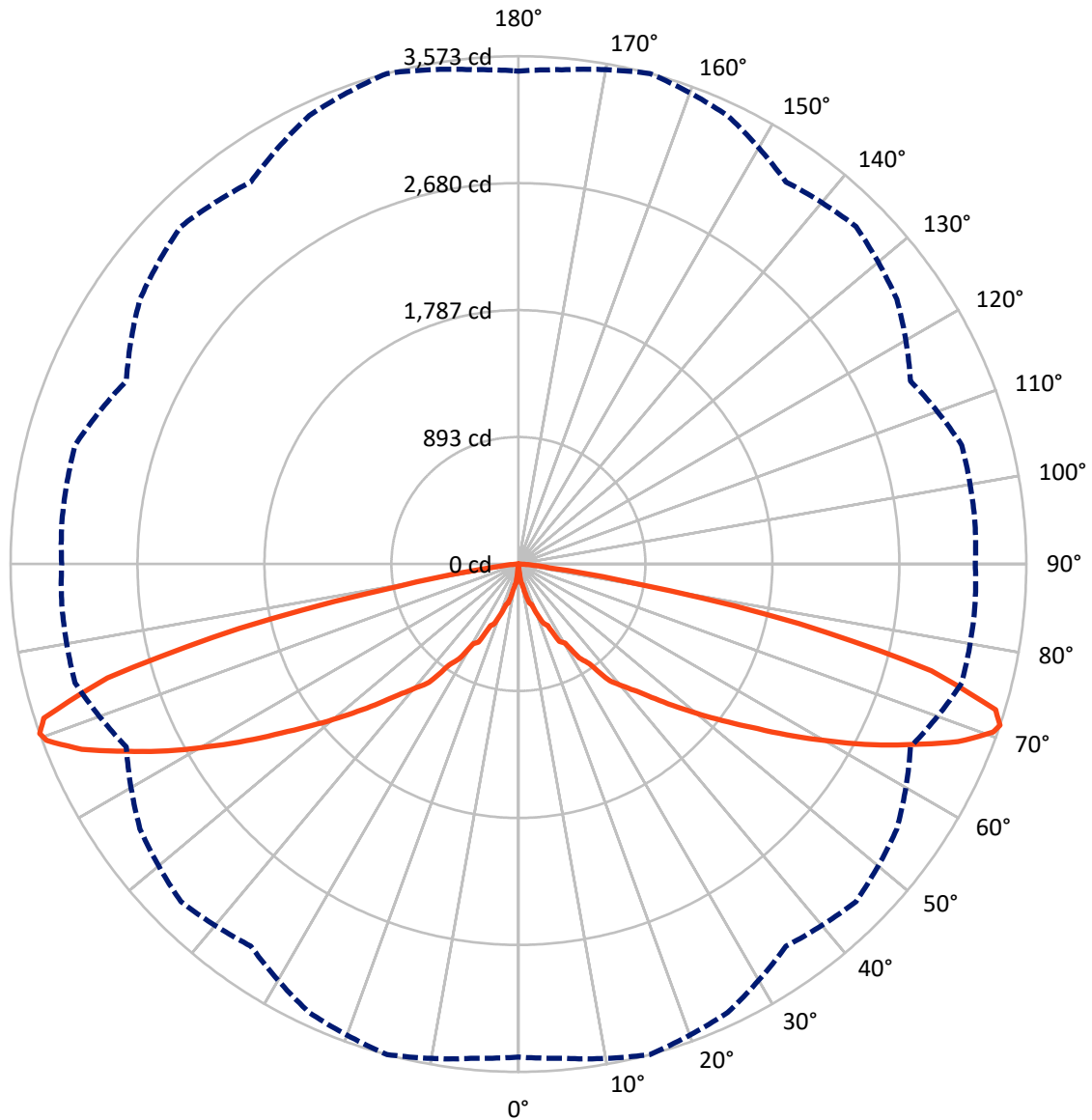
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical



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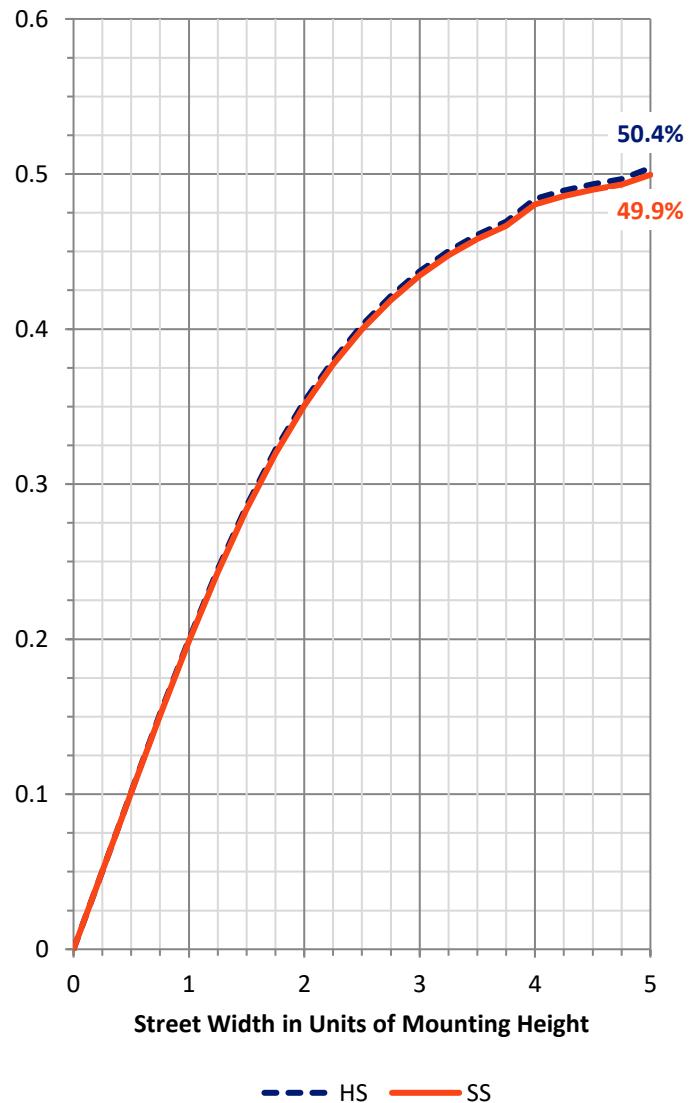
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4842.5	0.0	4842.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4842.5	0.0	4842.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9685.0	0.0	9685.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.0
10°-20°	64.2	0.7
20°-30°	242.6	2.5
30°-40°	549.4	5.7
40°-50°	981.8	10.1
50°-60°	1727.8	17.8
60°-70°	2858.2	29.5
70°-80°	2890.5	29.8
80°-90°	366.2	3.8
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°	9685.0	100.0
0°-180°	9685.0	100.0



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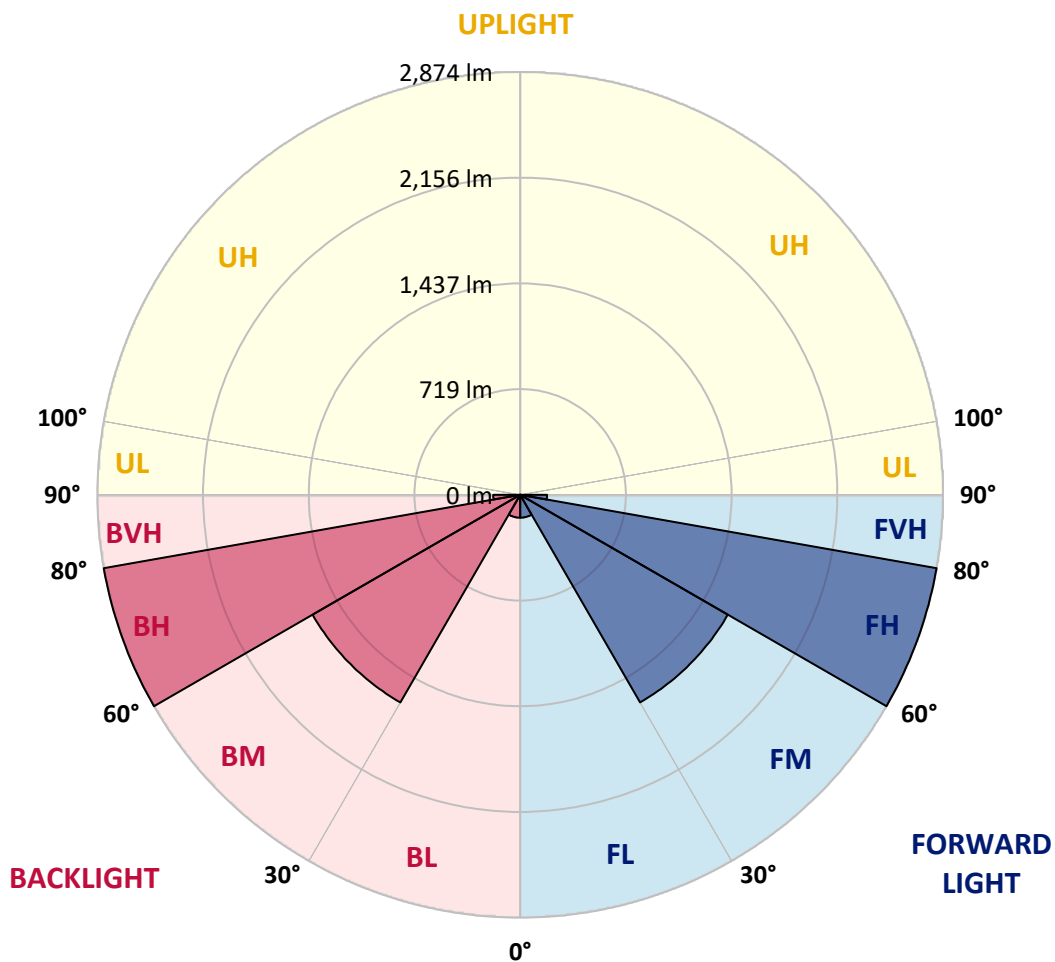
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	155.6	1.6			
FM	(30°-60°)	1629.5	16.8			
FH	(60°-80°)	2874.4	29.7			G2/5000
FVH	(80°-90°)	183.1	1.9			G2/225
BL	(0°-30°)	155.6	1.6	B1/500		
BM	(30°-60°)	1629.5	16.8	B2/2500		
BH	(60°-80°)	2874.4	29.7	B4/5000		G2/5000
BVH	(80°-90°)	183.1	1.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	3.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	59.7	42.8	20.9	16.9	11.9	4.0	2.0	2.0	2.0	1.0	1.0
7.5°	134.2	133.2	131.2	114.3	80.5	59.7	12.9	3.0	2.0	2.0	2.0
10°	149.1	148.1	147.1	144.2	140.2	127.3	66.6	12.9	5.0	6.0	6.0
12.5°	214.8	213.8	204.8	159.1	145.2	142.2	120.3	61.6	52.7	99.4	105.4
15°	293.3	292.3	282.4	242.6	207.8	153.1	198.8	220.7	196.9	217.7	217.7
17.5°	311.2	308.2	298.3	288.3	274.4	266.5	293.3	282.4	218.7	233.6	233.6
20°	418.6	397.7	377.8	321.1	297.3	389.7	316.2	308.2	346.0	408.6	419.6
22.5°	464.3	463.3	453.4	427.5	422.6	408.6	393.7	448.4	457.3	465.3	468.3
25°	546.8	540.9	479.2	458.3	525.0	447.4	530.9	485.2	501.1	574.7	582.6
27.5°	631.3	629.4	616.4	549.8	549.8	594.6	558.8	586.6	668.1	697.0	707.9
30°	705.9	668.1	644.3	655.2	609.5	637.3	639.3	687.0	706.9	743.7	753.6
32.5°	829.2	826.2	787.4	713.9	715.9	675.1	730.8	726.8	888.8	972.4	994.2
35°	919.7	926.6	861.0	832.2	764.6	804.3	781.5	883.9	936.6	1032.0	1045.9
37.5°	1097.6	1096.6	1043.0	899.8	851.1	850.1	891.8	929.6	1009.2	1096.6	1105.6
40°	1174.2	1172.2	1127.5	1043.0	917.7	926.6	950.5	985.3	1073.8	1173.2	1178.2
42.5°	1280.6	1270.6	1224.9	1112.6	1044.9	1027.0	1033.0	1075.8	1160.3	1278.6	1273.6
45°	1388.0	1390.9	1351.2	1222.9	1156.3	1119.5	1130.4	1187.1	1281.6	1398.9	1397.9
47.5°	1518.2	1522.2	1503.3	1343.2	1284.6	1233.8	1254.7	1311.4	1414.8	1529.1	1527.1
50°	1679.3	1678.3	1665.3	1490.4	1429.7	1380.0	1395.9	1443.6	1553.0	1666.3	1678.3
52.5°	1843.3	1847.3	1845.3	1668.3	1601.7	1554.0	1568.9	1613.6	1720.0	1833.4	1843.3
55°	2028.2	2047.1	2045.1	1898.0	1793.6	1780.7	1789.6	1799.6	1916.9	2027.2	2029.2
57.5°	2256.9	2265.9	2283.8	2157.5	2040.2	2033.2	2016.3	2012.3	2127.7	2219.1	2205.2
60°	2494.5	2503.5	2532.3	2450.8	2321.5	2335.5	2279.8	2219.1	2329.5	2403.1	2395.1
62.5°	2722.2	2743.1	2799.8	2734.2	2614.8	2657.6	2551.2	2448.8	2551.2	2611.9	2599.9
65°	2966.8	2992.7	3059.3	3033.4	2863.4	2953.9	2840.5	2669.5	2808.7	2838.5	2840.5
67.5°	3236.2	3257.1	3336.7	3289.9	3079.2	3176.6	3083.1	2886.3	3039.4	3028.4	3017.5
70°	3444.0	3469.9	3543.5	3446.0	3236.2	3317.8	3225.3	3023.5	3201.4	3207.4	3198.5
71°	3468.9	3490.8	3573.3	3481.8	3282.0	3358.5	3250.2	3044.4	3229.3	3225.3	3214.4
72.5°	3386.4	3413.2	3510.7	3452.0	3317.8	3409.2	3249.2	3010.6	3189.5	3152.7	3137.8
75°	2868.4	2882.3	3001.6	3109.0	3188.5	3387.4	3068.2	2745.1	2864.4	2807.7	2800.8
77.5°	1742.9	1778.7	2017.3	2346.4	2730.2	3049.3	2669.5	2220.1	2173.4	2005.4	1939.8
80°	601.5	664.2	853.1	1200.0	1836.4	2356.3	1882.1	1357.1	1015.1	764.6	706.9
82.5°	100.4	146.2	221.7	375.8	825.2	1339.2	929.6	448.4	291.3	203.8	196.9
85°	33.8	39.8	84.5	104.4	192.9	368.9	216.7	124.3	107.4	68.6	63.6
87.5°	5.0	7.0	10.9	11.9	16.9	9.9	17.9	18.9	14.9	9.9	6.0
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)