

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: P253762

Luminaire Tested: **LXF.LXT-AF24-30-D-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253762
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-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 3460.2 lumens
Efficiency: N/A
Efficacy: 111.6 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 - G1

Input Watts (W): 31
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

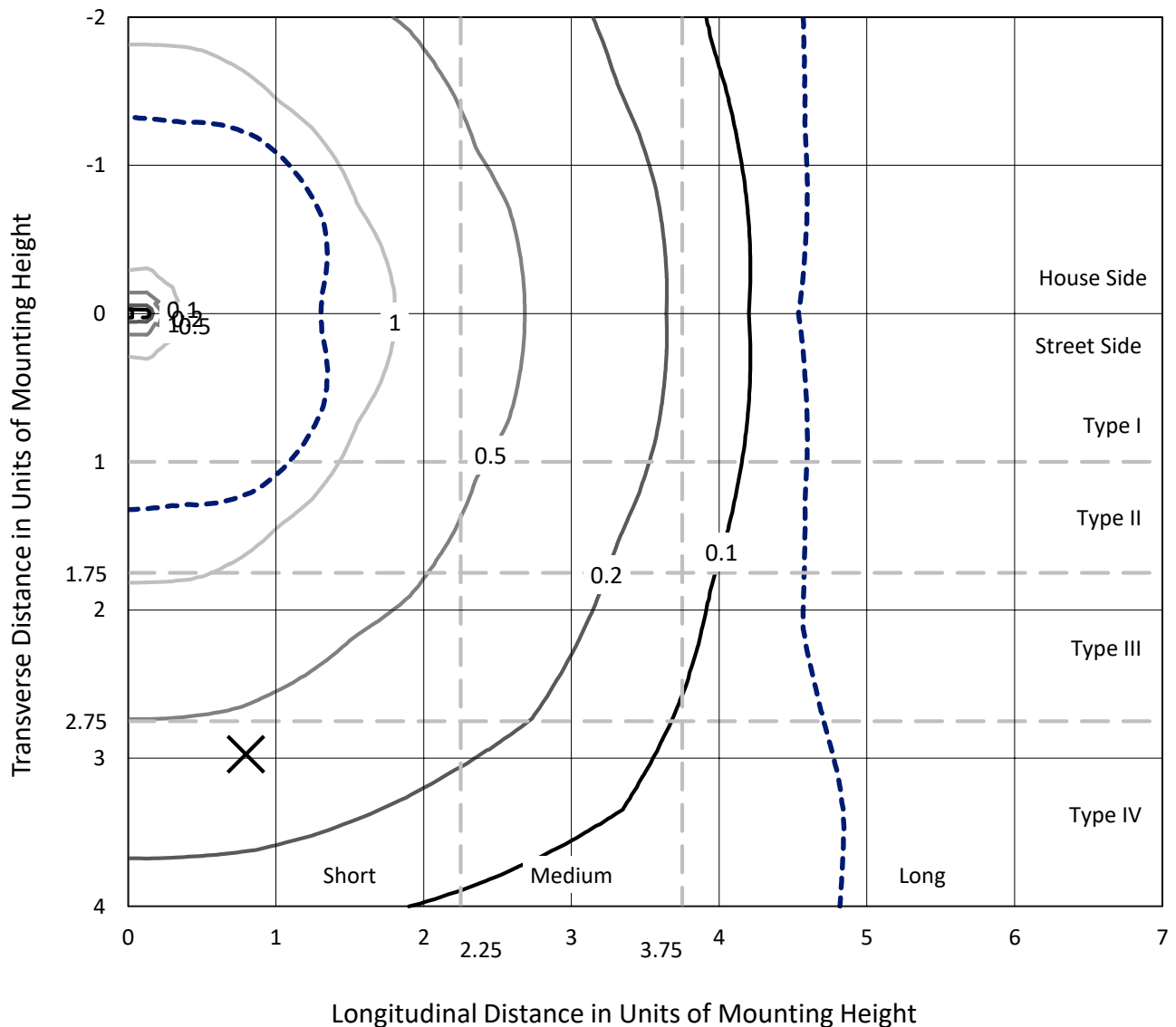


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

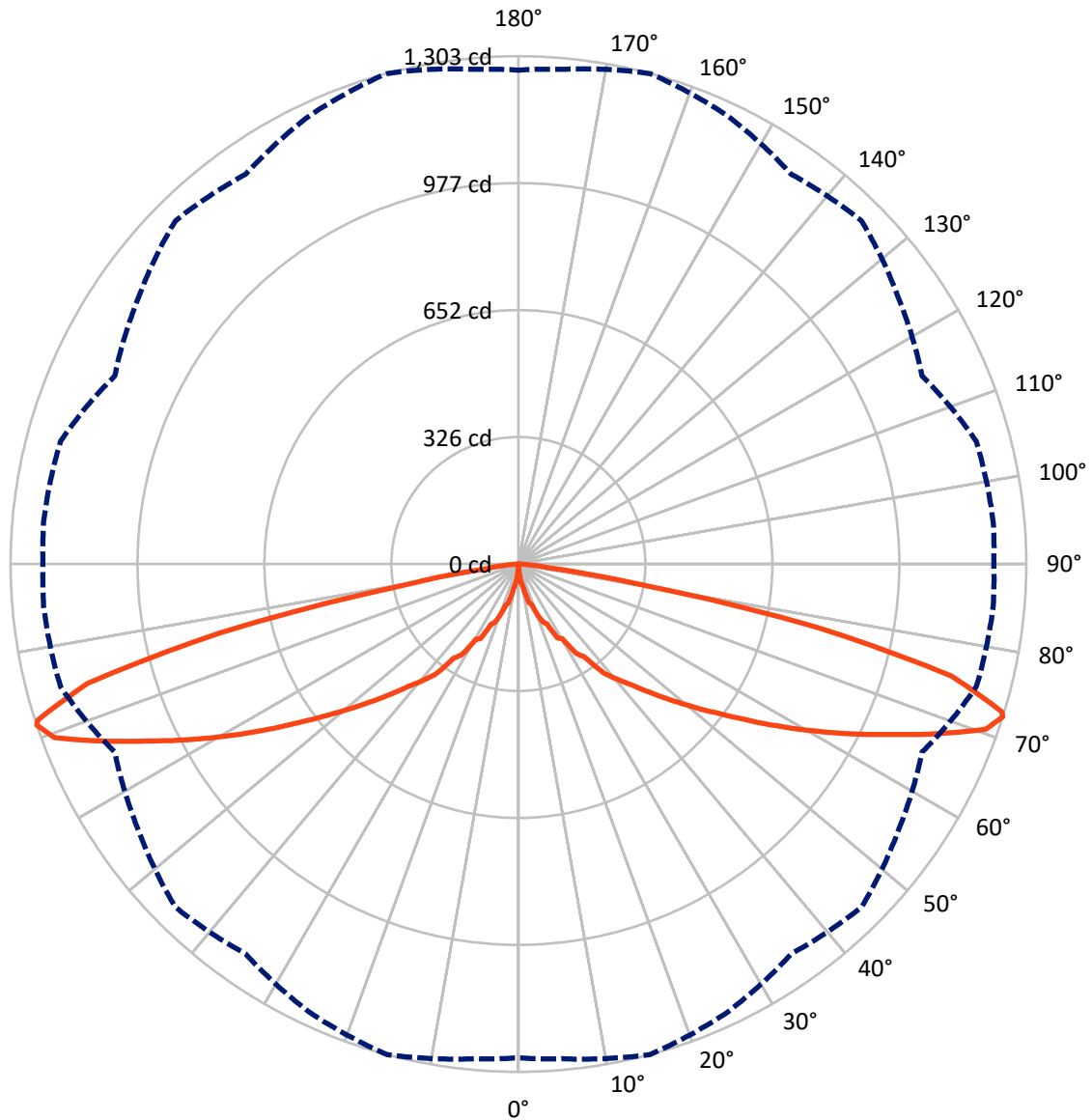


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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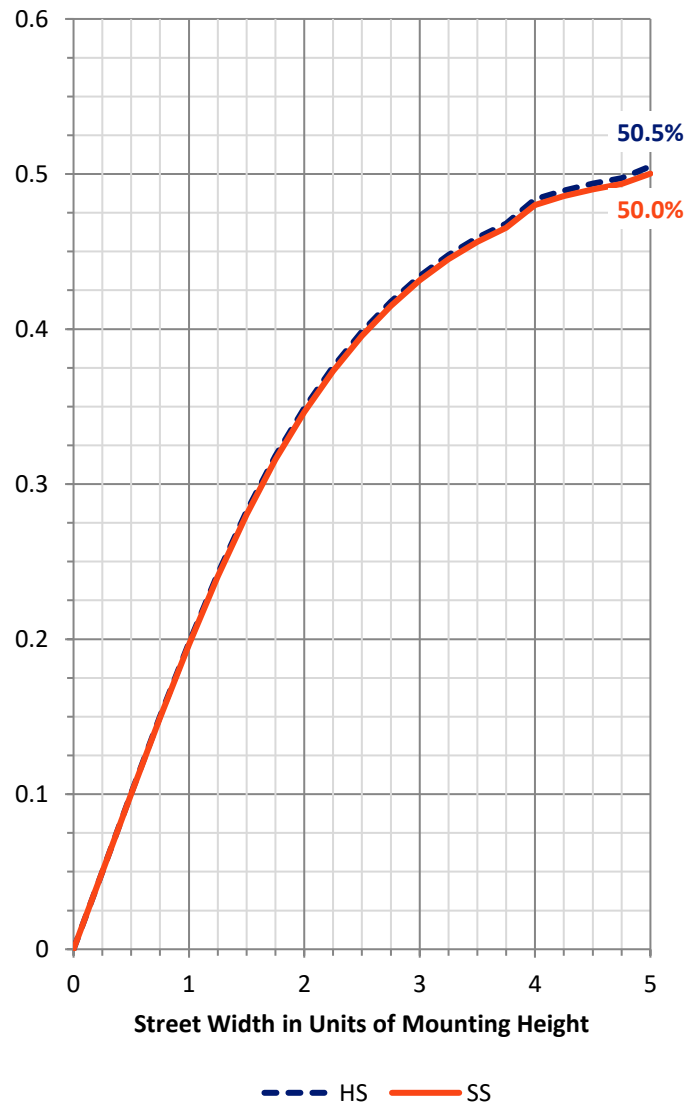
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1730.1	0.0	1730.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1730.1	0.0	1730.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3460.2	0.0	3460.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.0
10°-20°	23.5	0.7
20°-30°	85.9	2.5
30°-40°	189.6	5.5
40°-50°	339.7	9.8
50°-60°	600.7	17.4
60°-70°	1010.3	29.2
70°-80°	1081.8	31.3
80°-90°	127.1	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°	3460.2	100.0
0°-180°	3460.2	100.0



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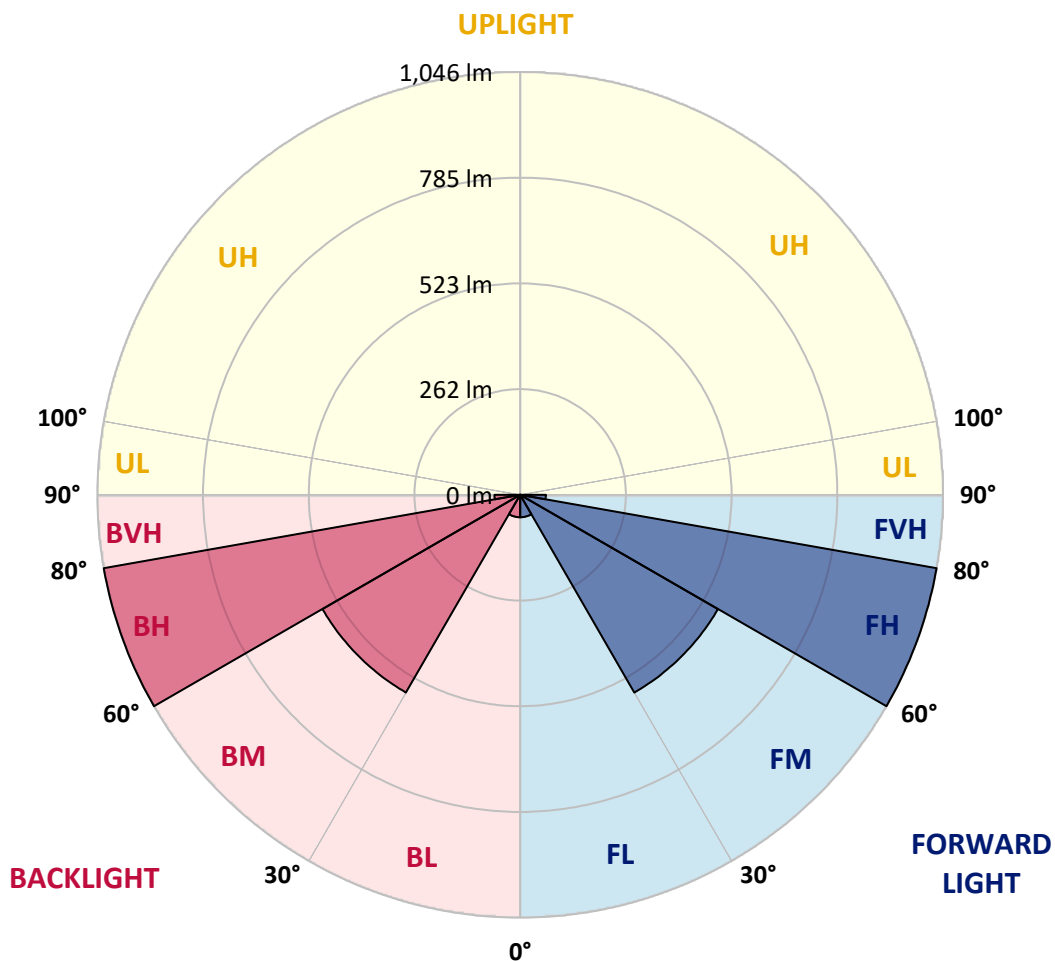
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	55.5	1.6			
FM	(30°-60°)	565.0	16.3			
FH	(60°-80°)	1046.1	30.2			G1/1800
FVH	(80°-90°)	63.6	1.8			G1/100
BL	(0°-30°)	55.5	1.6	B0/110		
BM	(30°-60°)	565.0	16.3	B1/1000		
BH	(60°-80°)	1046.1	30.2	B3/2500		G1/1800
BVH	(80°-90°)	63.6	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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2.5°	1.1	1.1	1.1	1.1	0.8	0.8	0.3	0.3	0.8	0.8	0.8
5°	21.8	21.3	16.1	7.5	6.0	2.6	1.1	0.8	0.8	0.8	0.8
7.5°	49.8	48.7	47.5	40.4	31.0	22.1	6.3	1.5	1.1	0.8	0.8
10°	54.3	54.3	53.5	52.5	51.0	46.1	25.9	6.0	2.6	2.3	2.3
12.5°	79.0	78.6	75.0	58.5	53.2	52.0	43.4	23.3	15.4	31.4	37.4
15°	107.8	107.1	103.7	93.6	76.4	56.6	68.2	83.9	72.6	77.6	77.9
17.5°	114.1	113.1	108.9	105.2	98.9	95.2	106.3	102.2	80.9	82.1	82.4
20°	147.2	149.4	137.4	118.8	108.9	142.4	117.2	112.3	133.0	147.6	152.1
22.5°	165.8	165.2	161.3	152.4	158.8	147.6	143.0	161.0	161.3	163.7	164.4
25°	192.9	192.1	170.5	162.1	186.5	161.3	188.4	171.5	176.0	189.1	200.4
27.5°	220.6	219.5	214.9	192.9	192.6	212.3	196.6	212.0	234.8	243.1	247.6
30°	246.4	240.8	222.2	228.1	212.3	223.6	226.9	238.5	244.2	257.7	260.2
32.5°	284.6	283.5	273.8	245.8	251.0	237.1	252.8	251.7	309.3	334.5	342.6
35°	325.0	313.8	293.6	283.5	268.1	279.7	263.4	304.5	323.2	353.6	358.4
37.5°	378.2	377.5	355.4	309.8	296.2	294.0	309.8	319.5	344.1	374.9	379.0
40°	406.7	406.7	388.0	352.1	322.9	320.2	329.2	342.6	369.3	402.2	405.6
42.5°	441.2	441.2	422.4	383.8	366.2	352.1	354.3	370.4	398.8	437.5	442.0
45°	481.7	481.7	468.5	417.9	402.2	386.4	394.3	410.0	443.4	481.7	487.2
47.5°	530.4	528.9	518.3	462.1	446.0	427.3	438.1	455.1	489.8	530.4	534.4
50°	582.4	581.3	573.7	515.2	491.7	478.7	488.7	502.3	541.9	584.2	588.7
52.5°	637.4	637.0	634.0	579.7	548.7	538.5	547.2	560.3	599.2	644.8	649.0
55°	703.7	705.6	703.7	658.0	620.6	615.6	619.4	628.0	666.3	710.0	712.7
57.5°	776.4	777.5	784.3	752.8	711.6	703.7	706.0	712.0	741.9	777.8	780.4
60°	853.9	856.9	869.9	847.1	812.7	813.4	806.7	790.9	823.2	848.6	848.3
62.5°	931.8	935.1	959.9	941.2	916.0	929.9	910.7	871.2	908.2	925.8	922.3
65°	1017.2	1025.4	1054.6	1047.5	1010.4	1040.3	1010.7	957.6	1008.1	1009.3	1009.3
67.5°	1123.8	1131.7	1161.8	1148.7	1093.5	1128.0	1093.9	1045.3	1096.2	1090.2	1093.1
70°	1240.3	1248.2	1271.4	1227.6	1167.3	1196.5	1159.1	1110.1	1183.4	1193.8	1191.3
72°	1267.3	1274.4	1303.3	1269.1	1220.9	1245.2	1190.6	1142.7	1216.4	1223.1	1220.1
72.5°	1259.1	1265.4	1297.7	1269.1	1229.5	1256.1	1195.1	1143.4	1211.1	1216.0	1211.9
75°	1090.2	1101.8	1147.9	1177.5	1216.0	1288.7	1177.5	1075.9	1087.2	1072.9	1055.8
77.5°	702.5	690.9	785.3	906.0	1043.3	1198.8	1032.9	850.1	765.5	694.7	663.6
80°	208.2	219.8	303.7	451.2	705.6	899.2	717.5	456.4	279.3	195.5	186.5
82.5°	41.5	51.7	75.6	118.8	301.9	491.3	299.6	135.2	91.3	70.8	65.5
85°	16.1	16.5	33.0	37.4	51.0	99.7	71.9	46.8	44.6	29.6	26.6
87.5°	2.3	2.9	5.3	6.3	6.0	3.4	7.1	4.9	2.6	2.6	1.8
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)