

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: P253776

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253776
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
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 8658.2 lumens
Efficiency: N/A
Efficacy: 104.3 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

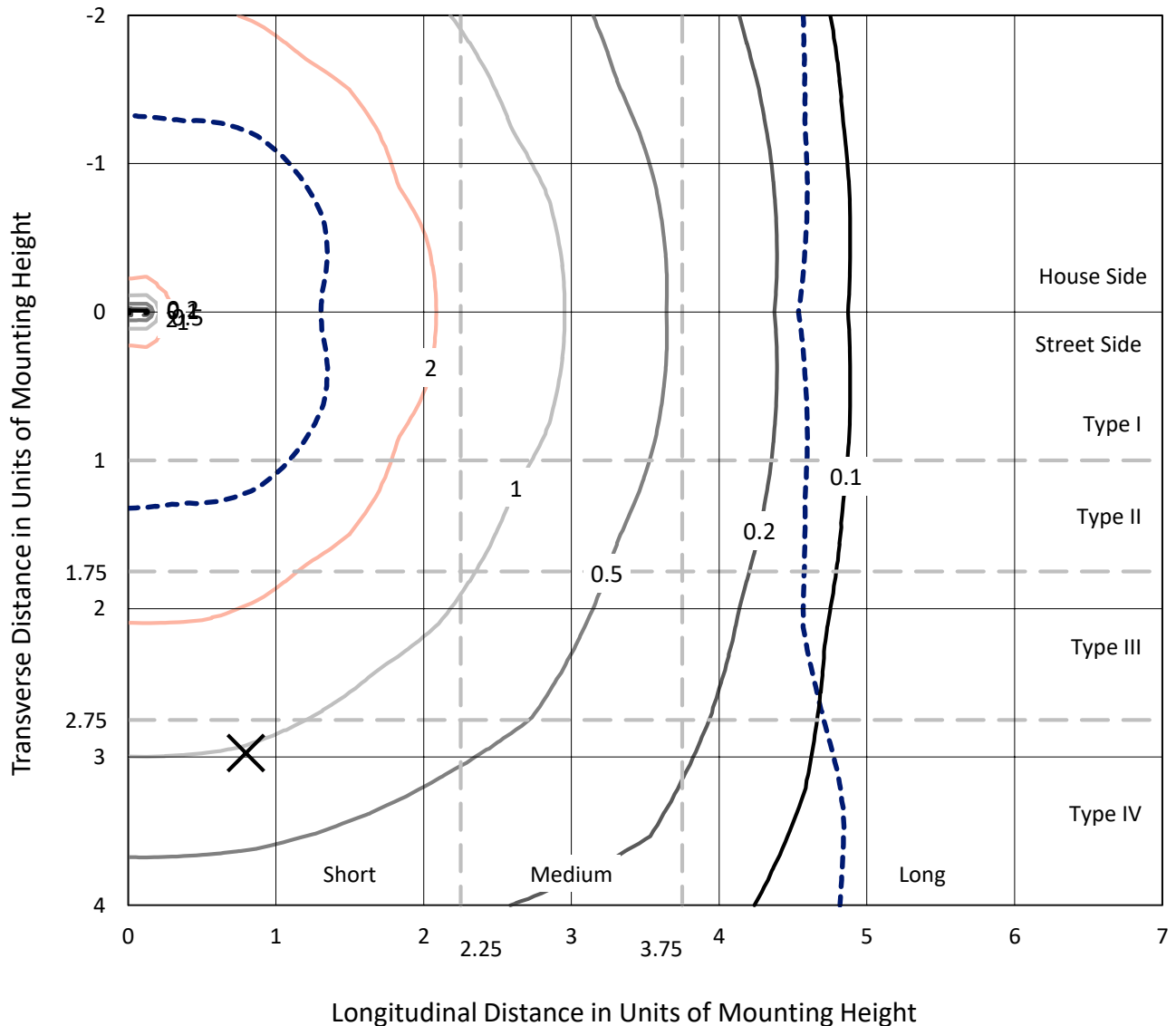
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

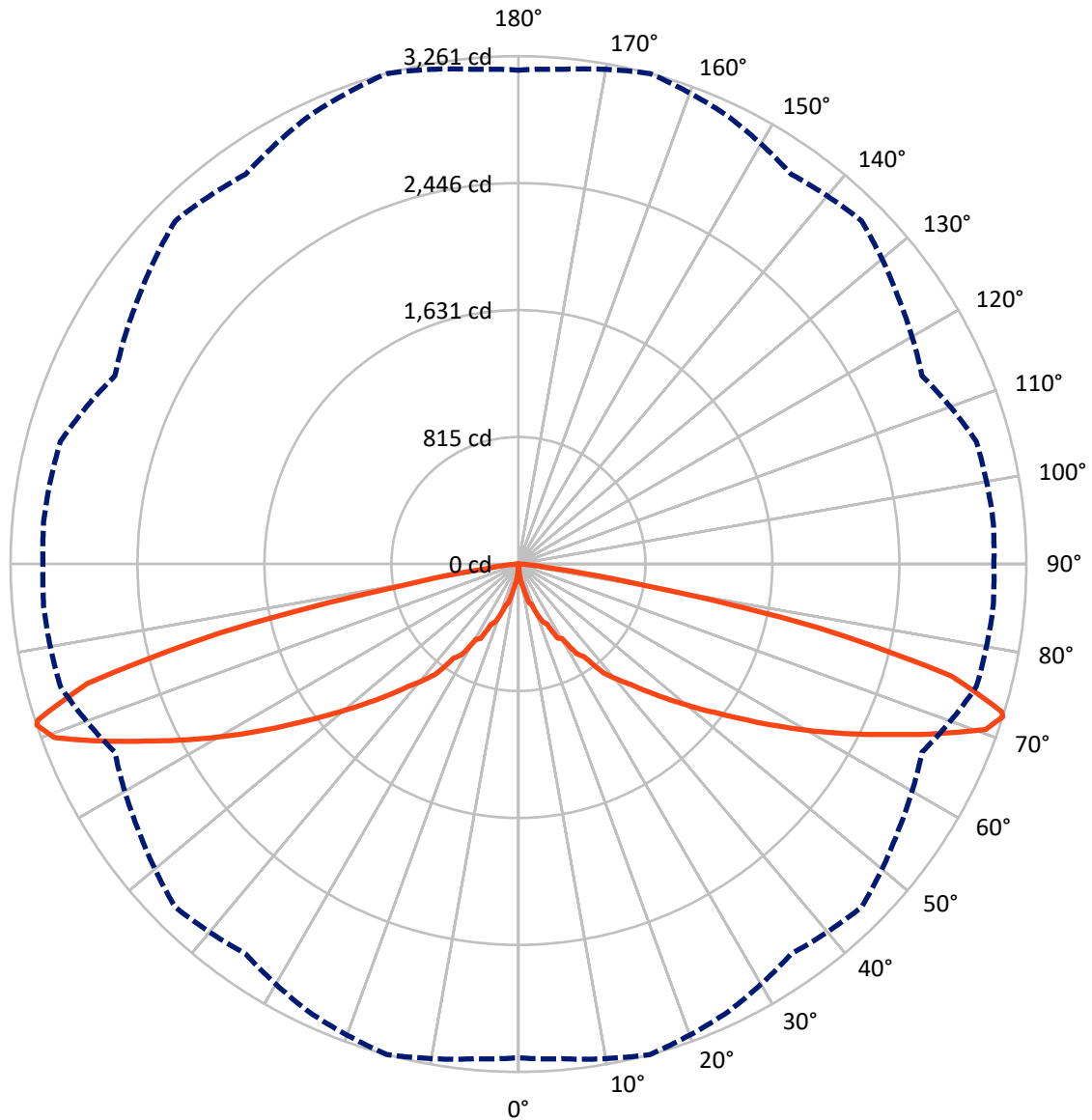


Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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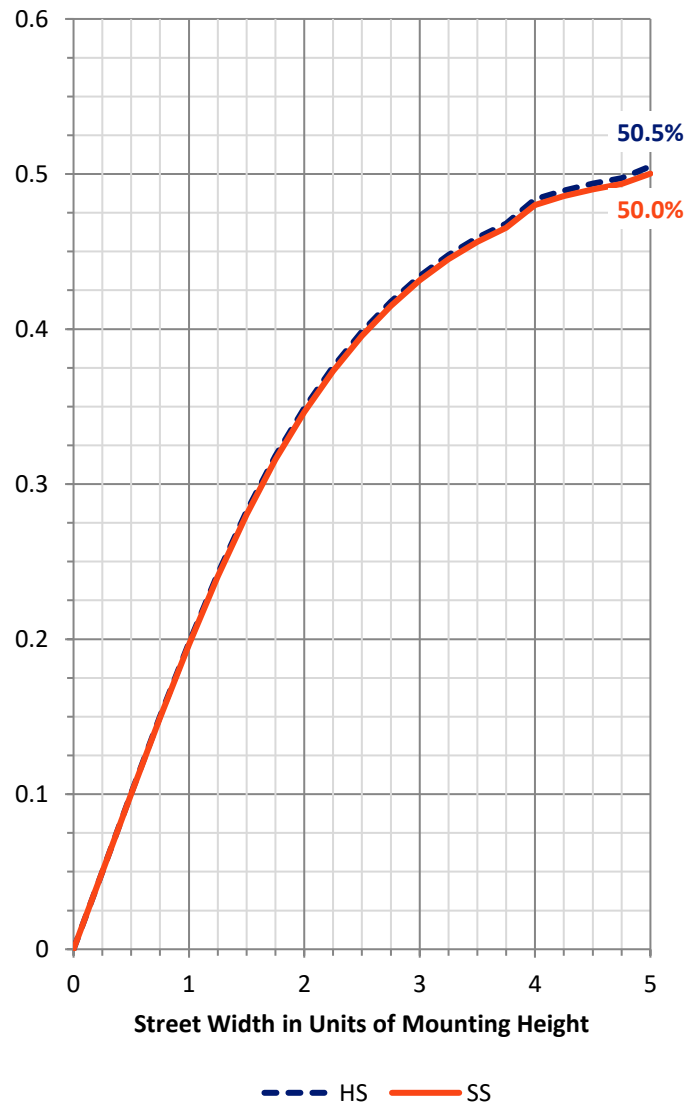
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4329.1	0.0	4329.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4329.1	0.0	4329.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	8658.2	0.0	8658.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.0
10°-20°	58.7	0.7
20°-30°	214.9	2.5
30°-40°	474.3	5.5
40°-50°	850.1	9.8
50°-60°	1503.1	17.4
60°-70°	2528.1	29.2
70°-80°	2706.9	31.3
80°-90°	318.1	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°	8658.2	100.0
0°-180°	8658.2	100.0



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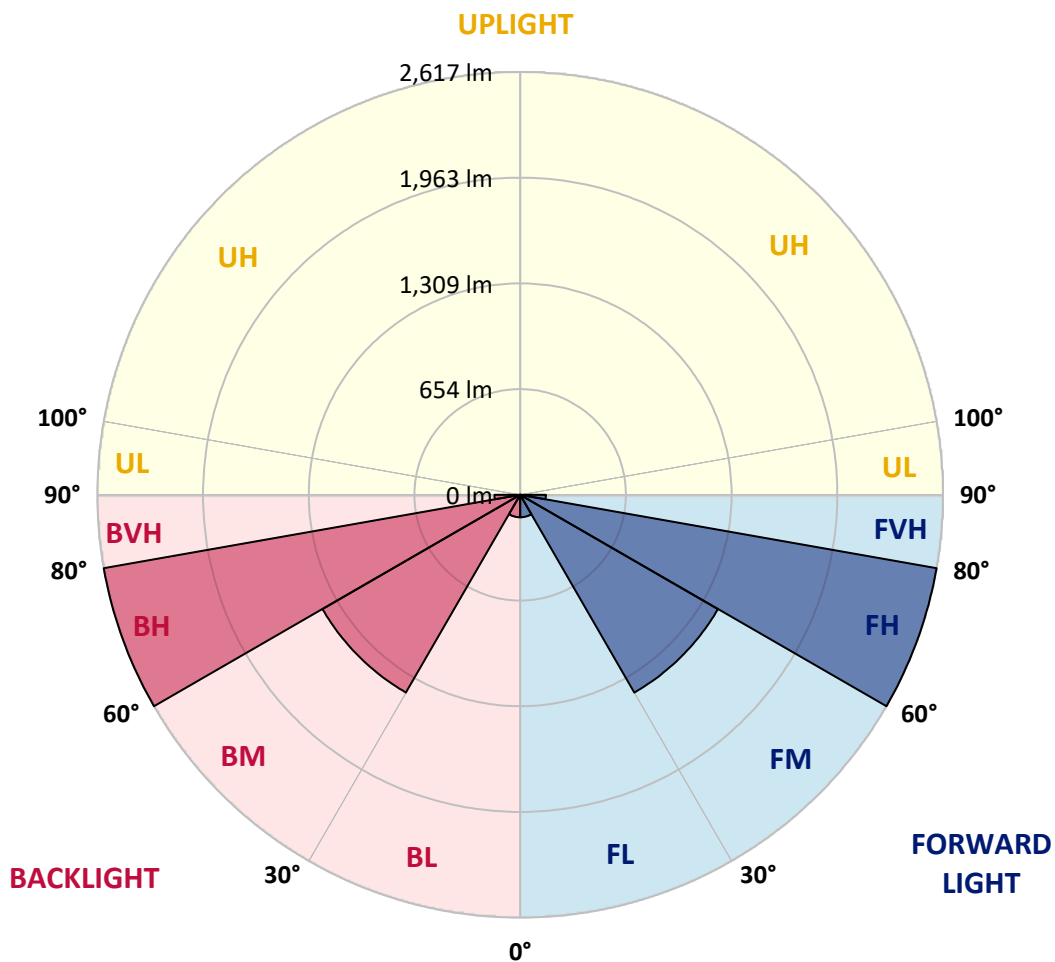
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	138.8	1.6			
FM (30°-60°)	1413.7	16.3			
FH (60°-80°)	2617.5	30.2			G2/5000
FVH (80°-90°)	159.0	1.8			G2/225
BL (0°-30°)	138.8	1.6	B1/500		
BM (30°-60°)	1413.7	16.3	B2/2500		
BH (60°-80°)	2617.5	30.2	B4/5000		G2/5000
BVH (80°-90°)	159.0	1.8			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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.8	2.8	2.8	2.8	1.8	1.8	0.9	0.9	1.8	1.8	1.8
5°	54.3	53.4	40.3	18.7	15.0	6.5	2.8	1.8	1.8	1.8	1.8
7.5°	124.6	121.8	119.0	101.2	77.7	55.2	16.0	3.8	2.8	1.8	1.8
10°	135.8	135.8	134.0	131.1	127.5	115.3	64.7	15.0	6.5	5.6	5.6
12.5°	197.7	196.8	187.4	146.2	133.1	130.2	108.7	58.1	38.5	78.7	93.7
15°	269.9	268.0	259.6	234.3	191.2	141.5	170.5	209.9	181.8	194.0	194.9
17.5°	285.8	283.1	272.7	263.3	247.3	238.0	266.2	255.8	202.4	205.2	206.1
20°	368.3	373.9	343.9	297.1	272.7	356.1	293.3	281.1	332.7	369.2	380.4
22.5°	415.1	413.3	403.9	381.4	397.3	369.2	357.9	402.9	403.9	409.5	411.4
25°	482.6	480.7	426.4	405.8	466.7	403.9	471.4	429.2	440.5	473.2	501.3
27.5°	552.0	549.1	537.9	482.6	481.7	531.3	491.9	530.4	587.6	608.1	619.4
30°	616.6	602.5	555.7	570.7	531.3	559.5	567.8	596.9	611.0	644.8	651.3
32.5°	712.2	709.4	685.0	614.7	627.9	593.2	632.5	629.7	774.1	836.8	857.4
35°	813.3	785.3	734.7	709.4	671.0	700.0	658.8	761.9	808.7	884.6	896.8
37.5°	946.4	944.6	889.3	775.0	741.2	735.6	775.0	799.3	861.2	938.0	948.4
40°	1017.6	1017.6	970.8	880.9	807.7	801.2	823.7	857.4	923.9	1006.5	1014.9
42.5°	1103.9	1103.9	1057.0	960.6	916.5	880.9	886.5	926.8	998.0	1094.6	1105.8
45°	1205.1	1205.1	1172.3	1045.8	1006.5	967.1	986.7	1026.1	1109.5	1205.1	1219.2
47.5°	1327.0	1323.2	1296.9	1156.3	1116.0	1069.2	1096.4	1138.5	1225.7	1327.0	1337.2
50°	1457.2	1454.3	1435.6	1289.4	1230.4	1197.6	1222.9	1256.6	1355.9	1461.9	1473.2
52.5°	1594.9	1594.0	1586.5	1450.6	1372.8	1347.5	1369.1	1401.9	1499.3	1613.7	1623.9
55°	1760.8	1765.5	1760.8	1646.4	1552.7	1540.6	1550.0	1571.5	1667.1	1776.8	1783.3
57.5°	1942.6	1945.4	1962.2	1883.6	1780.4	1760.8	1766.4	1781.4	1856.3	1946.4	1952.9
60°	2136.5	2144.1	2176.8	2119.7	2033.5	2035.4	2018.5	1979.1	2059.7	2123.4	2122.5
62.5°	2331.5	2339.9	2401.8	2354.9	2292.1	2326.8	2279.0	2179.7	2272.5	2316.5	2308.1
65°	2545.1	2565.8	2638.8	2621.0	2528.2	2603.2	2529.2	2396.2	2522.7	2525.5	2525.5
67.5°	2812.2	2831.9	2906.8	2874.1	2736.3	2822.5	2737.2	2615.4	2742.8	2727.9	2735.4
70°	3103.6	3123.3	3181.4	3071.8	2920.9	2994.0	2900.3	2777.5	2961.2	2987.4	2980.9
72°	3171.1	3188.9	3261.1	3175.8	3054.9	3115.8	2979.0	2859.0	3043.7	3060.6	3053.0
72.5°	3150.5	3166.4	3247.1	3175.8	3076.4	3143.0	2990.3	2861.0	3030.6	3042.8	3032.4
75°	2727.9	2757.0	2872.1	2946.2	3042.8	3224.5	2946.2	2692.3	2720.3	2684.7	2641.7
77.5°	1757.9	1728.9	1965.1	2266.9	2610.8	2999.6	2584.5	2127.2	1915.4	1738.3	1660.6
80°	521.0	550.0	760.0	1129.2	1765.5	2250.0	1795.5	1142.3	699.1	489.2	466.7
82.5°	104.0	129.3	189.2	297.1	755.2	1229.5	749.7	338.3	228.6	177.1	164.0
85°	40.3	41.2	82.4	93.7	127.5	249.3	179.9	117.1	111.5	74.1	66.5
87.5°	5.6	7.5	13.1	16.0	15.0	8.4	17.8	12.2	6.5	6.5	4.7
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)