

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: P414973

Luminaire Tested: **LXF.LXT-PA1-40-727-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414973
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-PA1-40-727-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4460 lumens
Efficiency: N/A
Efficacy: 111.5 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

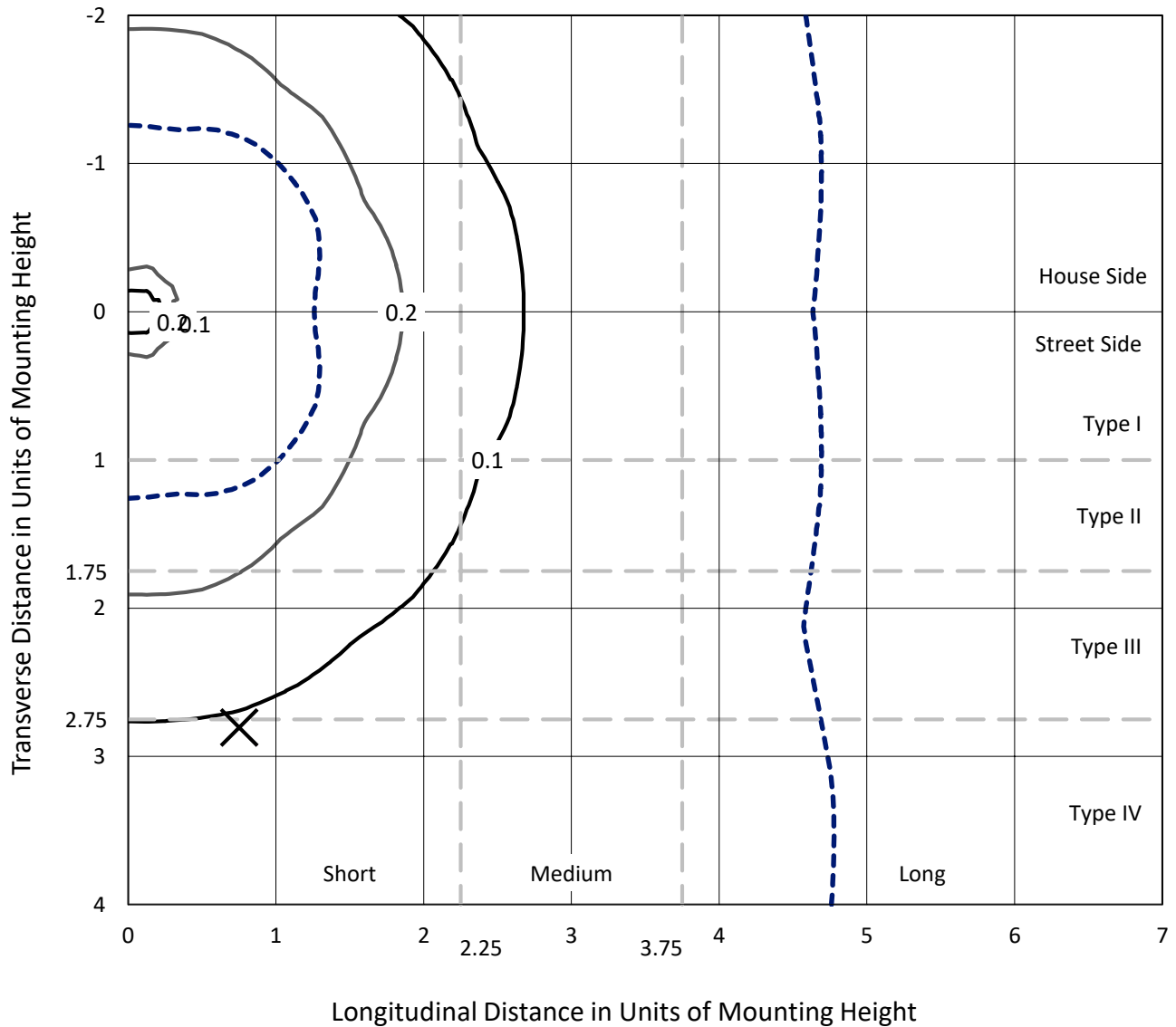
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

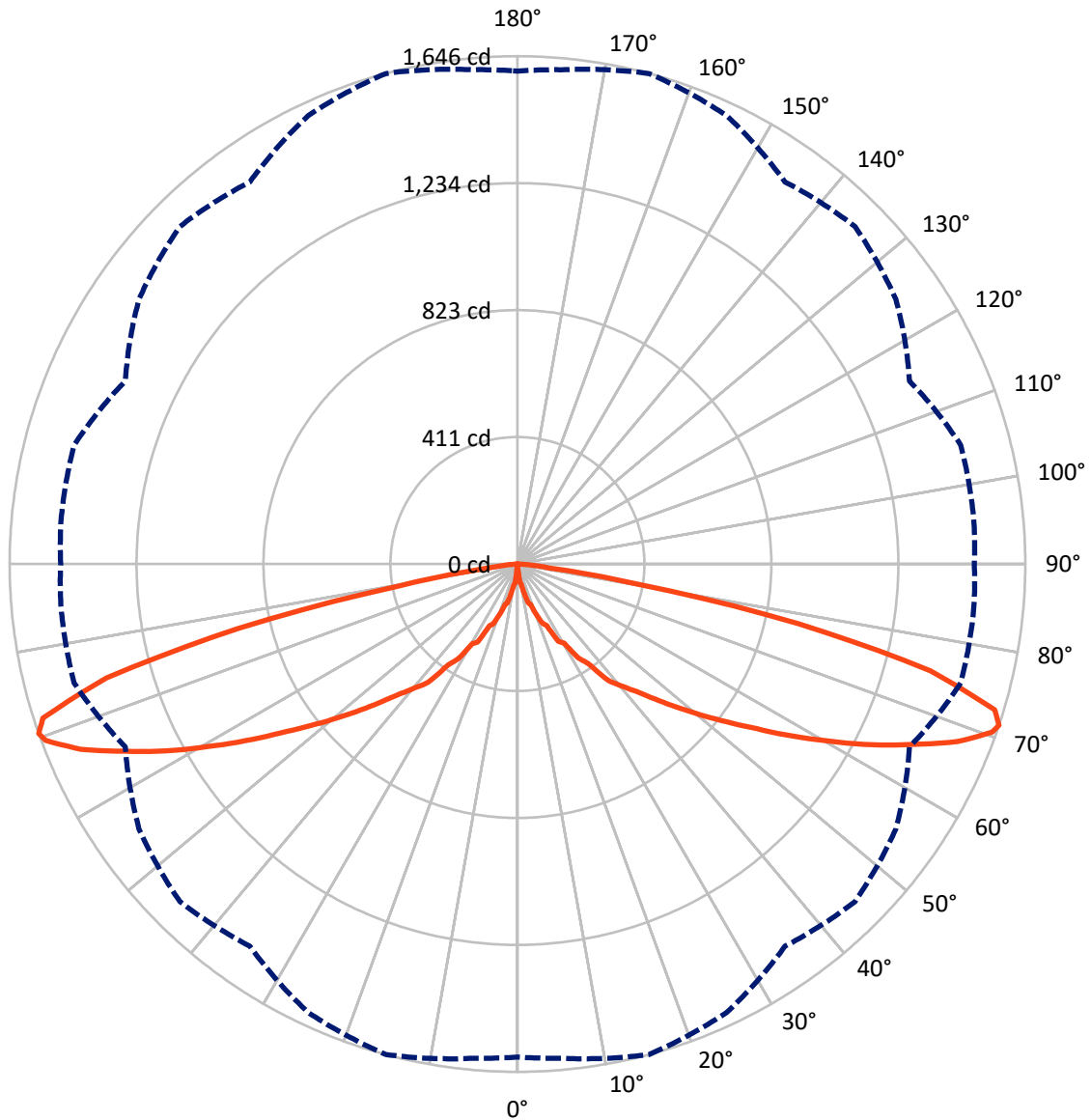
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 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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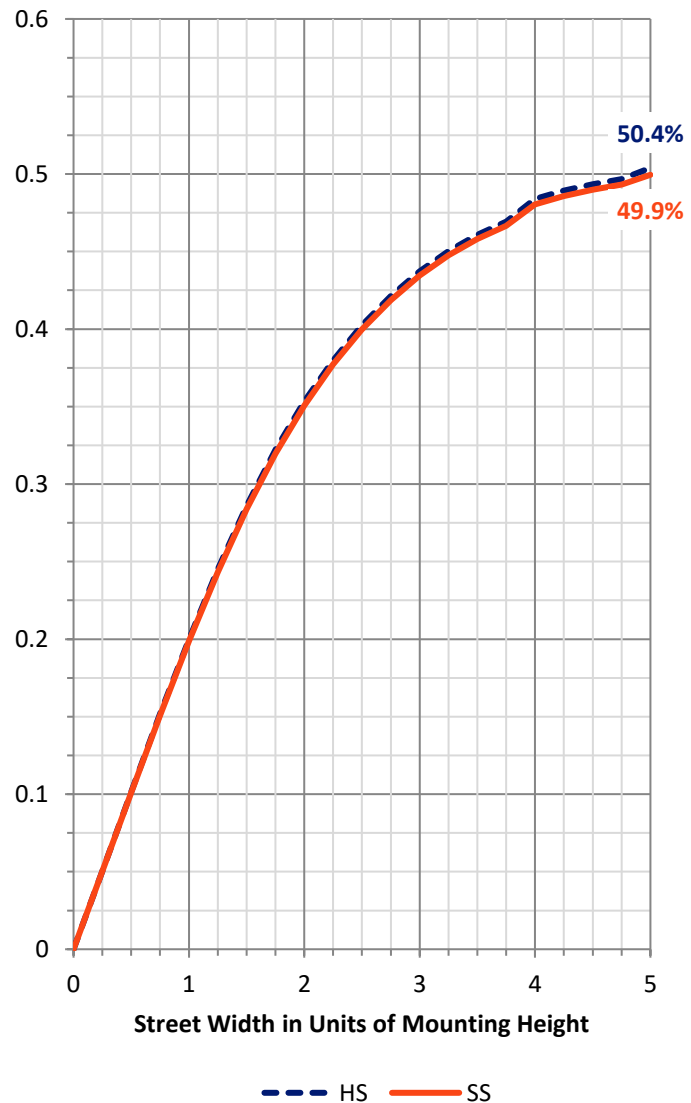
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2230.0	0.0	2230.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2230.0	0.0	2230.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4460.0	0.0	4460.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.0
10°-20°	29.6	0.7
20°-30°	111.7	2.5
30°-40°	253.0	5.7
40°-50°	452.1	10.1
50°-60°	795.7	17.8
60°-70°	1316.2	29.5
70°-80°	1331.1	29.8
80°-90°	168.6	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°	4460.0	100.0
0°-180°	4460.0	100.0



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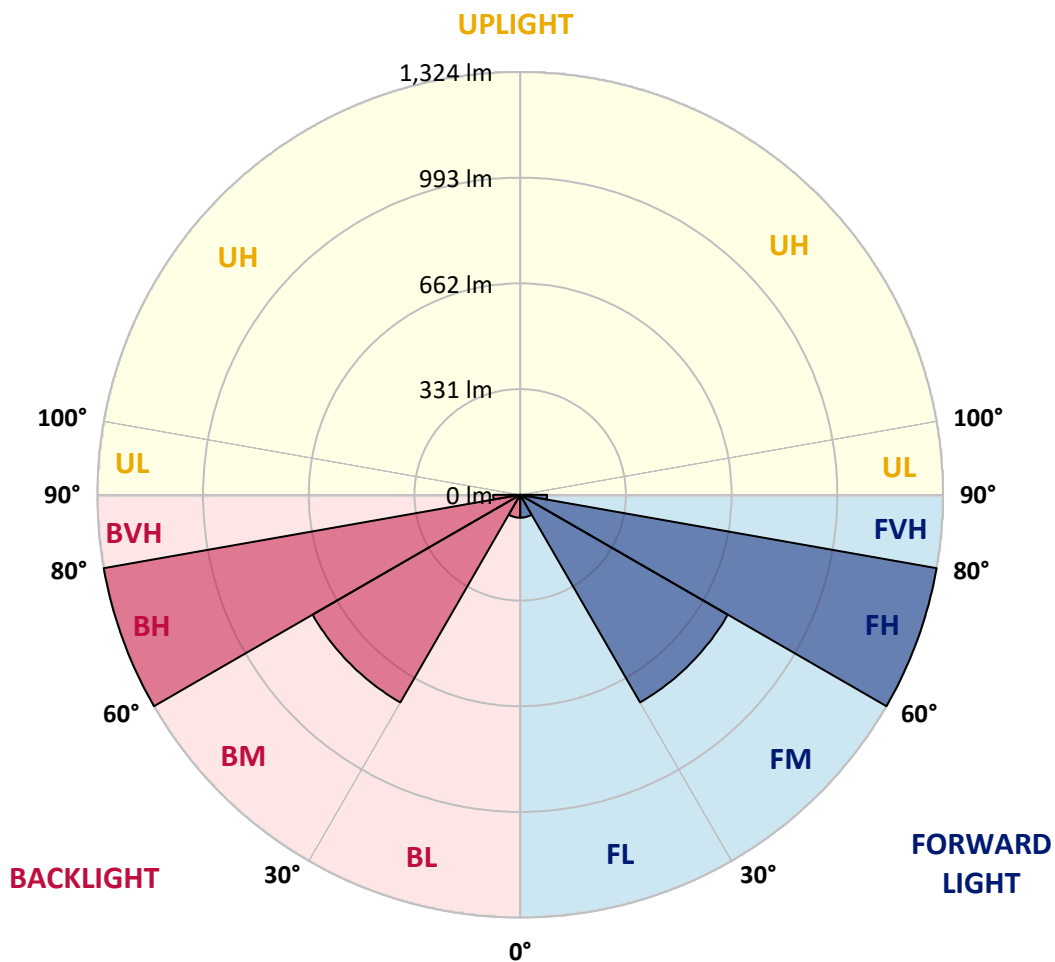
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	71.6	1.6			
FM	(30°-60°)	750.4	16.8			
FH	(60°-80°)	1323.7	29.7			G1/1800
FVH	(80°-90°)	84.3	1.9			G1/100
BL	(0°-30°)	71.6	1.6	B0/110		
BM	(30°-60°)	750.4	16.8	B1/1000		
BH	(60°-80°)	1323.7	29.7	B3/2500		G1/1800
BVH	(80°-90°)	84.3	1.9			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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.4	1.4	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5
5°	27.5	19.7	9.6	7.8	5.5	1.8	0.9	0.9	0.9	0.5	0.5
7.5°	61.8	61.4	60.4	52.7	37.1	27.5	6.0	1.4	0.9	0.9	0.9
10°	68.7	68.2	67.8	66.4	64.6	58.6	30.7	6.0	2.3	2.7	2.7
12.5°	98.9	98.4	94.3	73.3	66.8	65.5	55.4	28.4	24.3	45.8	48.5
15°	135.1	134.6	130.0	111.7	95.7	70.5	91.6	101.6	90.7	100.3	100.3
17.5°	143.3	141.9	137.4	132.8	126.4	122.7	135.1	130.0	100.7	107.6	107.6
20°	192.8	183.1	174.0	147.9	136.9	179.5	145.6	141.9	159.3	188.2	193.2
22.5°	213.8	213.4	208.8	196.9	194.6	188.2	181.3	206.5	210.6	214.3	215.6
25°	251.8	249.1	220.7	211.1	241.7	206.0	244.5	223.4	230.8	264.6	268.3
27.5°	290.7	289.8	283.9	253.2	253.2	273.8	257.3	270.1	307.7	321.0	326.0
30°	325.1	307.7	296.7	301.7	280.7	293.5	294.4	316.4	325.5	342.5	347.1
32.5°	381.8	380.5	362.6	328.7	329.7	310.9	336.5	334.7	409.3	447.8	457.9
35°	423.5	426.7	396.5	383.2	352.1	370.4	359.9	407.0	431.3	475.3	481.7
37.5°	505.5	505.0	480.3	414.4	391.9	391.5	410.7	428.1	464.7	505.0	509.1
40°	540.7	539.8	519.2	480.3	422.6	426.7	437.7	453.7	494.5	540.3	542.6
42.5°	589.7	585.1	564.1	512.3	481.2	473.0	475.7	495.4	534.3	588.8	586.5
45°	639.2	640.5	622.2	563.2	532.5	515.5	520.6	546.7	590.2	644.2	643.7
47.5°	699.1	701.0	692.3	618.6	591.5	568.2	577.8	603.9	651.5	704.2	703.3
50°	773.3	772.9	766.9	686.3	658.4	635.5	642.8	664.8	715.2	767.4	772.9
52.5°	848.9	850.7	849.8	768.3	737.6	715.6	722.5	743.1	792.1	844.3	848.9
55°	934.0	942.7	941.8	874.0	826.0	820.0	824.1	828.7	882.7	933.6	934.5
57.5°	1039.3	1043.4	1051.7	993.5	939.5	936.3	928.5	926.7	979.8	1021.9	1015.5
60°	1148.8	1152.9	1166.1	1128.6	1069.1	1075.5	1049.9	1021.9	1072.7	1106.6	1103.0
62.5°	1253.6	1263.2	1289.3	1259.1	1204.2	1223.8	1174.8	1127.7	1174.8	1202.8	1197.3
65°	1366.2	1378.1	1408.8	1396.9	1318.6	1360.3	1308.1	1229.3	1293.4	1307.2	1308.1
67.5°	1490.3	1499.9	1536.6	1515.0	1418.0	1462.8	1419.8	1329.1	1399.7	1394.6	1389.6
70°	1586.0	1597.9	1631.8	1586.9	1490.3	1527.9	1485.3	1392.3	1474.3	1477.0	1472.9
71°	1597.4	1607.5	1645.5	1603.4	1511.4	1546.6	1496.7	1401.9	1487.1	1485.3	1480.2
72.5°	1559.4	1571.8	1616.7	1589.7	1527.9	1570.0	1496.3	1386.4	1468.8	1451.8	1445.0
75°	1320.9	1327.3	1382.3	1431.7	1468.3	1559.9	1412.9	1264.1	1319.1	1293.0	1289.8
77.5°	802.6	819.1	929.0	1080.5	1257.3	1404.2	1229.3	1022.4	1000.9	923.5	893.3
80°	277.0	305.8	392.8	552.6	845.7	1085.1	866.7	625.0	467.5	352.1	325.5
82.5°	46.2	67.3	102.1	173.1	380.0	616.7	428.1	206.5	134.2	93.9	90.7
85°	15.6	18.3	38.9	48.1	88.8	169.9	99.8	57.2	49.4	31.6	29.3
87.5°	2.3	3.2	5.0	5.5	7.8	4.6	8.2	8.7	6.9	4.6	2.7
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)