

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: P636233

Luminaire Tested: **IFLD-M-SA4D-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636233
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-940-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (64) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21633.1 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

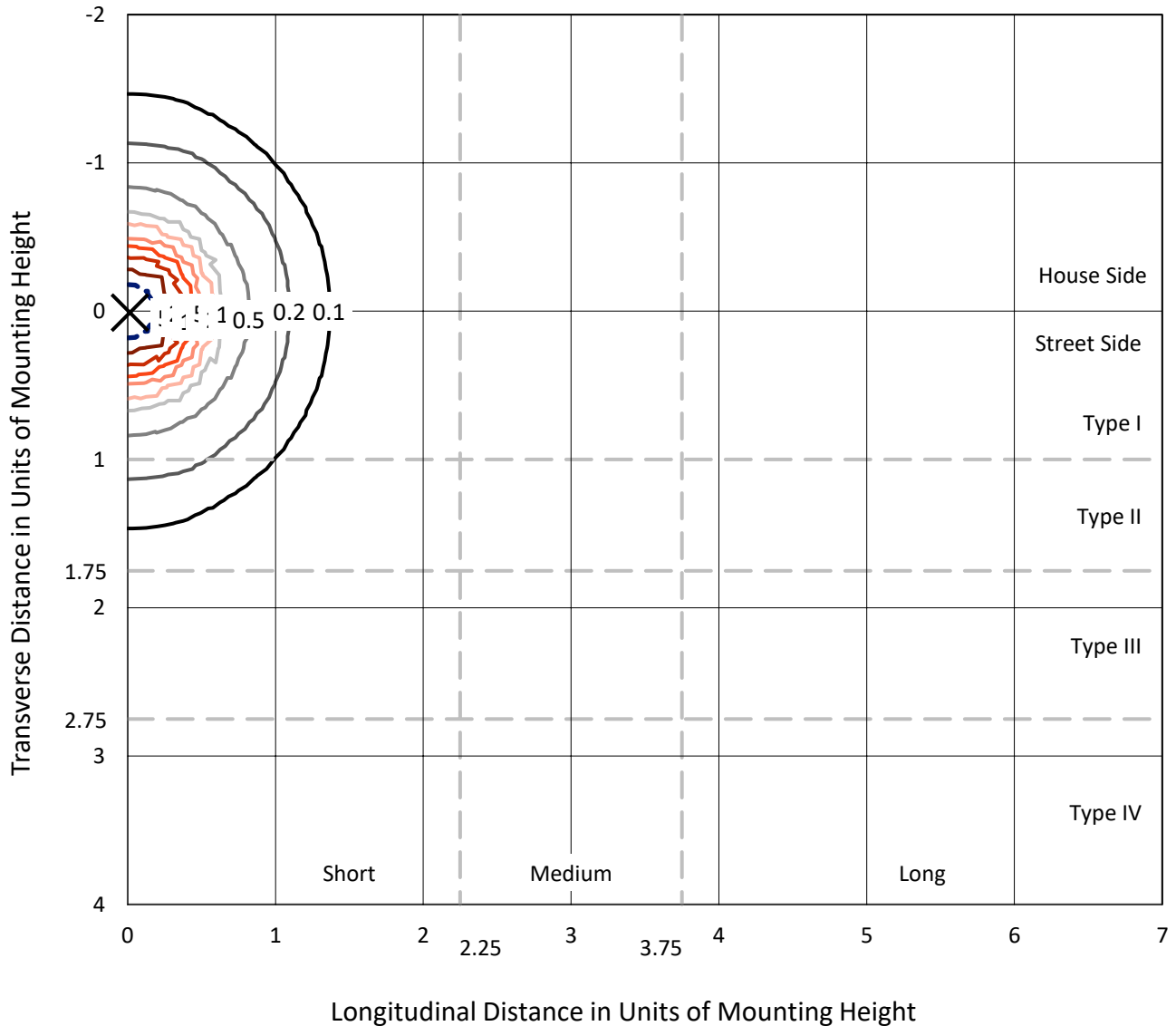
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

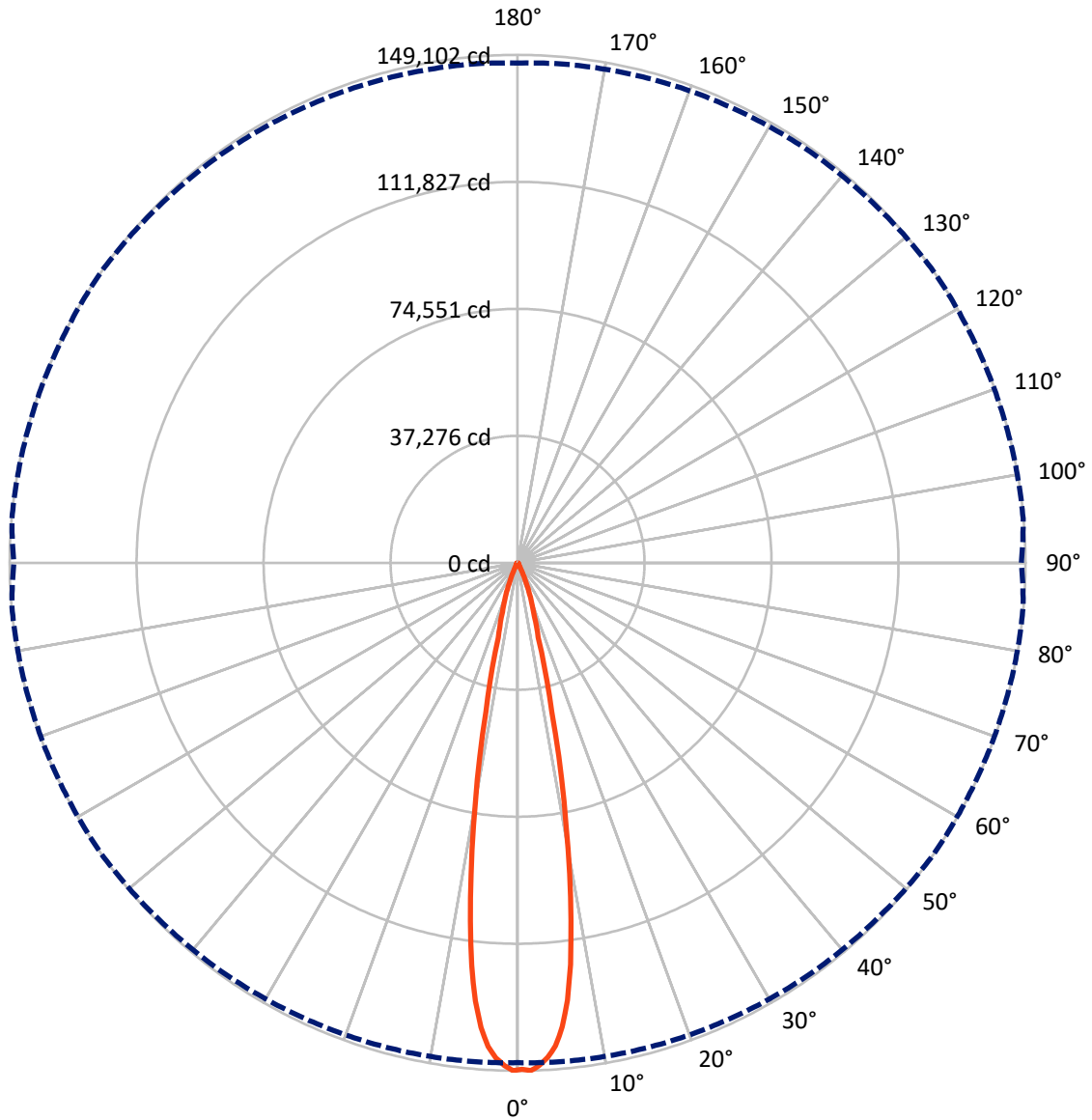
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 371.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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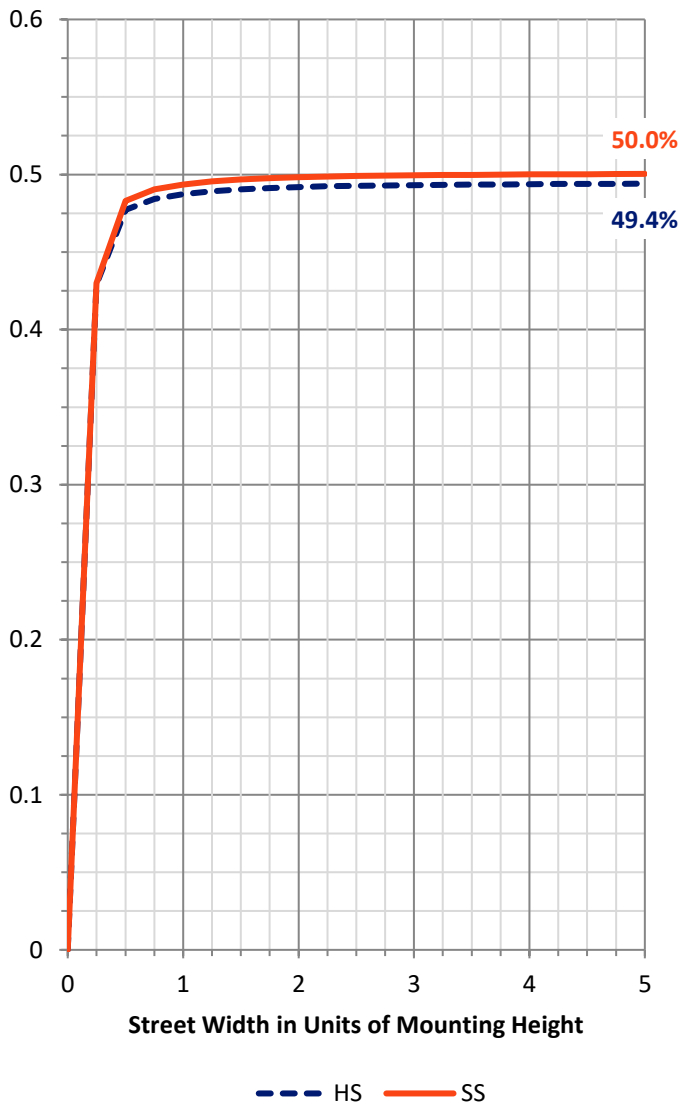
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10816.5	0.0	10816.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10816.5	0.0	10816.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21633.1	0.0	21633.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10991.2	50.8
10°-20°	7789.6	36.0
20°-30°	1825.2	8.4
30°-40°	381.5	1.8
40°-50°	246.1	1.1
50°-60°	182.3	0.8
60°-70°	123.9	0.6
70°-80°	66.1	0.3
80°-90°	27.1	0.1
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°	21633.1	100.0
0°-180°	21633.1	100.0

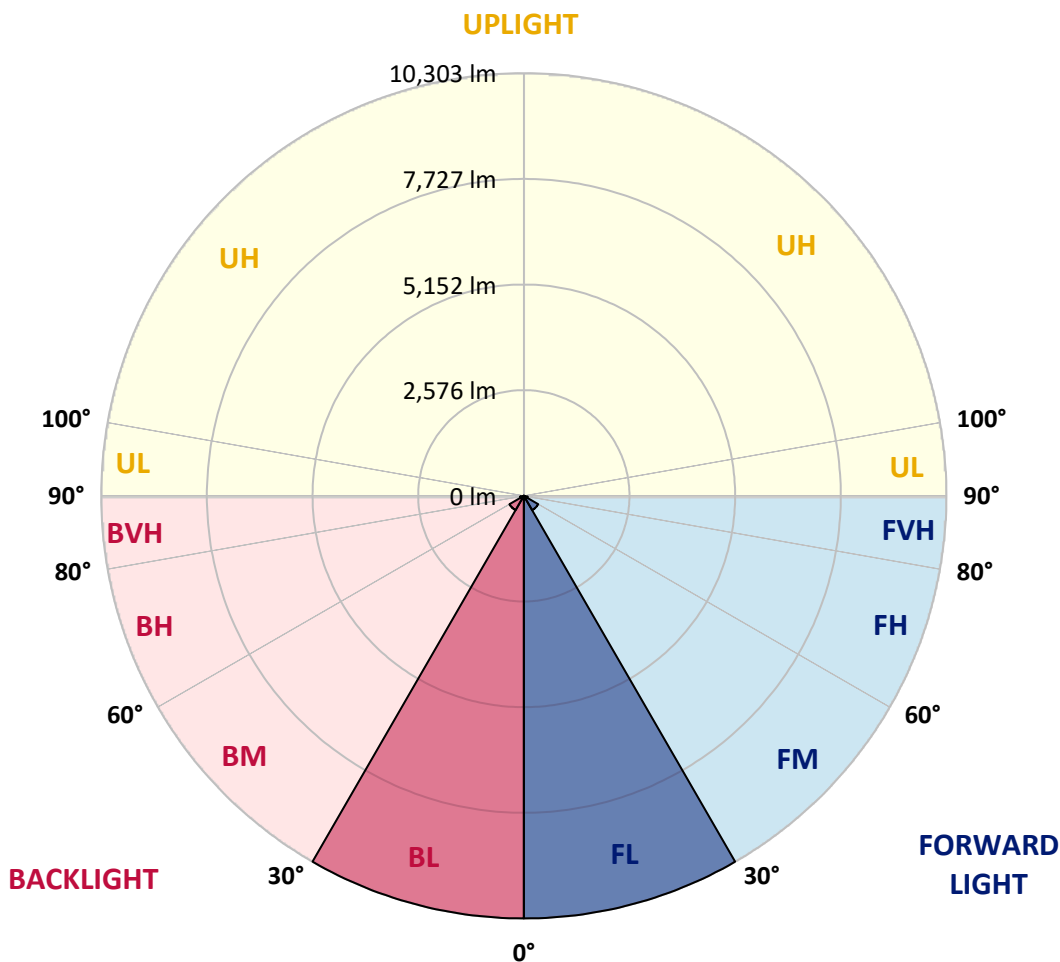


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10303.0	47.6			
FM (30°-60°)	404.9	1.9			
FH (60°-80°)	95.0	0.4			G0/660
FVH (80°-90°)	13.5	0.1			G1/100
BL (0°-30°)	10303.0	47.6	B5		
BM (30°-60°)	404.9	1.9	B1/1000		
BH (60°-80°)	95.0	0.4	B0/110		G0/660
BVH (80°-90°)	13.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	148719.4	148719.4	148719.4	148719.4	148719.4	148719.4	148719.4	148719.4	148719.4	148719.4
1°	146718.6	146990.2	147323.0	147625.3	148080.5	148451.6	149102.0	148964.3	148945.2	148971.9
2°	143876.0	144216.5	144729.2	145031.4	146205.9	146688.0	147671.2	147961.9	147728.6	147992.5
3°	139617.9	139897.2	140700.6	141293.6	142816.3	144117.0	145433.1	145869.2	145597.6	145720.0
4°	134548.8	134835.7	135807.4	137016.4	139216.2	140658.5	142234.8	142625.0	141737.4	141798.6
5°	128515.5	128649.4	129839.2	130941.1	133573.2	135321.6	136817.5	136939.9	136128.8	135818.9
6°	121728.6	121487.6	122581.7	123048.5	126319.5	128102.3	129196.5	129054.9	128439.0	128175.0
7°	113663.8	113334.8	114218.6	113966.1	116862.2	117879.9	118931.9	118449.9	117960.2	118568.5
8°	104332.8	104149.1	103579.1	104612.1	105185.9	106096.5	106092.6	105813.4	105798.0	106811.9
9°	90766.6	92461.4	91960.2	93042.9	92897.5	92855.4	92576.2	92396.3	91631.2	92798.1
10°	75869.0	76978.5	77824.0	79438.4	79124.7	79568.5	78015.3	78279.2	77770.4	78734.5
12.5°	39271.6	40518.8	41249.5	42481.4	43835.8	45220.7	44773.1	44310.2	43617.7	44467.0
15°	19331.7	19825.2	20058.6	21309.6	22273.7	22621.8	22675.4	22266.0	22090.0	22273.7
17.5°	11863.7	12035.9	12713.1	14151.6	14985.6	15192.2	15058.3	14610.6	14109.5	13899.0
20°	8588.9	8638.6	8894.9	9174.2	10287.5	10869.0	10654.8	10214.8	9751.9	9533.8
22.5°	5608.6	5658.3	5742.5	5895.5	6193.9	6913.2	6679.8	6381.4	6067.7	6002.6
25°	3175.4	3175.4	3263.4	3420.2	3642.1	3695.7	3741.6	3424.1	3278.7	3213.7
27.5°	1771.3	1782.8	1801.9	1863.2	1974.1	1962.6	1912.9	1828.7	1729.3	1626.0
30°	979.4	990.9	1002.4	1017.7	1036.8	1002.4	971.7	956.4	914.4	902.9
32.5°	734.5	734.5	742.2	738.4	719.2	677.2	658.0	681.0	677.2	658.0
35°	604.5	604.5	612.1	627.4	589.2	558.6	543.3	573.9	573.9	562.4
37.5°	493.5	497.4	501.2	520.3	508.8	474.4	470.6	478.2	482.0	478.2
40°	432.3	428.5	428.5	432.3	424.7	417.0	409.4	405.5	409.4	405.5
42.5°	374.9	371.1	378.8	371.1	355.8	359.6	359.6	348.1	352.0	344.3
45°	329.0	325.2	329.0	321.4	309.9	313.7	313.7	298.4	298.4	294.6
47.5°	290.8	290.8	290.8	294.6	275.5	271.6	275.5	271.6	260.2	256.3
50°	252.5	256.3	260.2	267.8	248.7	241.0	241.0	241.0	233.4	229.5
52.5°	233.4	237.2	237.2	237.2	225.7	218.1	218.1	214.2	210.4	206.6
55°	225.7	225.7	225.7	210.4	206.6	202.8	191.3	187.5	183.6	183.6
57.5°	214.2	214.2	210.4	198.9	187.5	187.5	172.2	168.3	164.5	164.5
60°	191.3	191.3	191.3	187.5	172.2	168.3	153.0	145.4	141.6	141.6
62.5°	176.0	176.0	176.0	160.7	156.9	145.4	133.9	122.4	118.6	110.9
65°	160.7	160.7	160.7	145.4	137.7	126.3	110.9	99.5	91.8	80.3
67.5°	149.2	149.2	145.4	133.9	122.4	107.1	91.8	80.3	65.0	57.4
70°	130.1	130.1	126.3	118.6	107.1	95.6	76.5	61.2	49.7	38.3
72.5°	110.9	110.9	107.1	99.5	91.8	80.3	65.0	53.6	34.4	26.8
75°	91.8	91.8	88.0	80.3	76.5	68.9	57.4	42.1	26.8	11.5
77.5°	76.5	76.5	72.7	68.9	65.0	57.4	49.7	34.4	19.1	7.7
80°	57.4	61.2	61.2	61.2	53.6	49.7	45.9	34.4	15.3	3.8
82.5°	42.1	45.9	45.9	45.9	42.1	38.3	42.1	30.6	15.3	3.8
85°	30.6	30.6	34.4	34.4	34.4	34.4	45.9	34.4	11.5	3.8
87.5°	15.3	15.3	15.3	15.3	15.3	19.1	23.0	19.1	7.7	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
148719.4
147904.6
146990.2
144801.8
140888.1
135172.4
127582.0
118381.0
103999.9
90621.2
76263.0
42167.7
21416.7
13604.5
9365.5
5868.7
3160.1
1629.8
902.9
646.6
558.6
478.2
409.4
348.1
294.6
256.3
225.7
202.8
179.8
164.5
137.7
103.3
80.3
53.6
38.3
23.0
11.5
3.8
3.8
3.8
3.8
0.0
0.0

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