

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: P636231

Luminaire Tested: **IFLD-M-SA4B-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636231
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-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: 15793.7 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

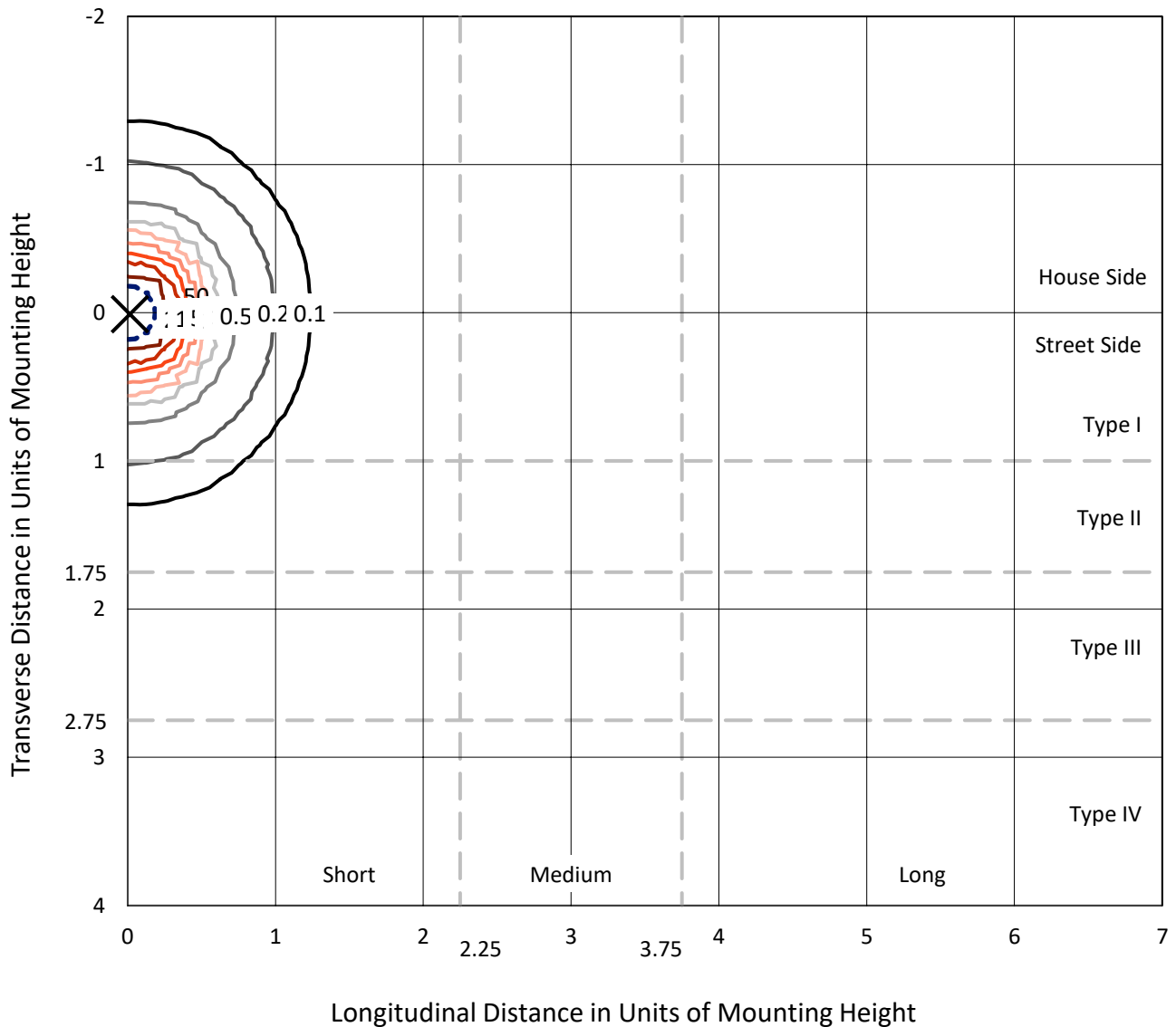
Input Watts (W): 166.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

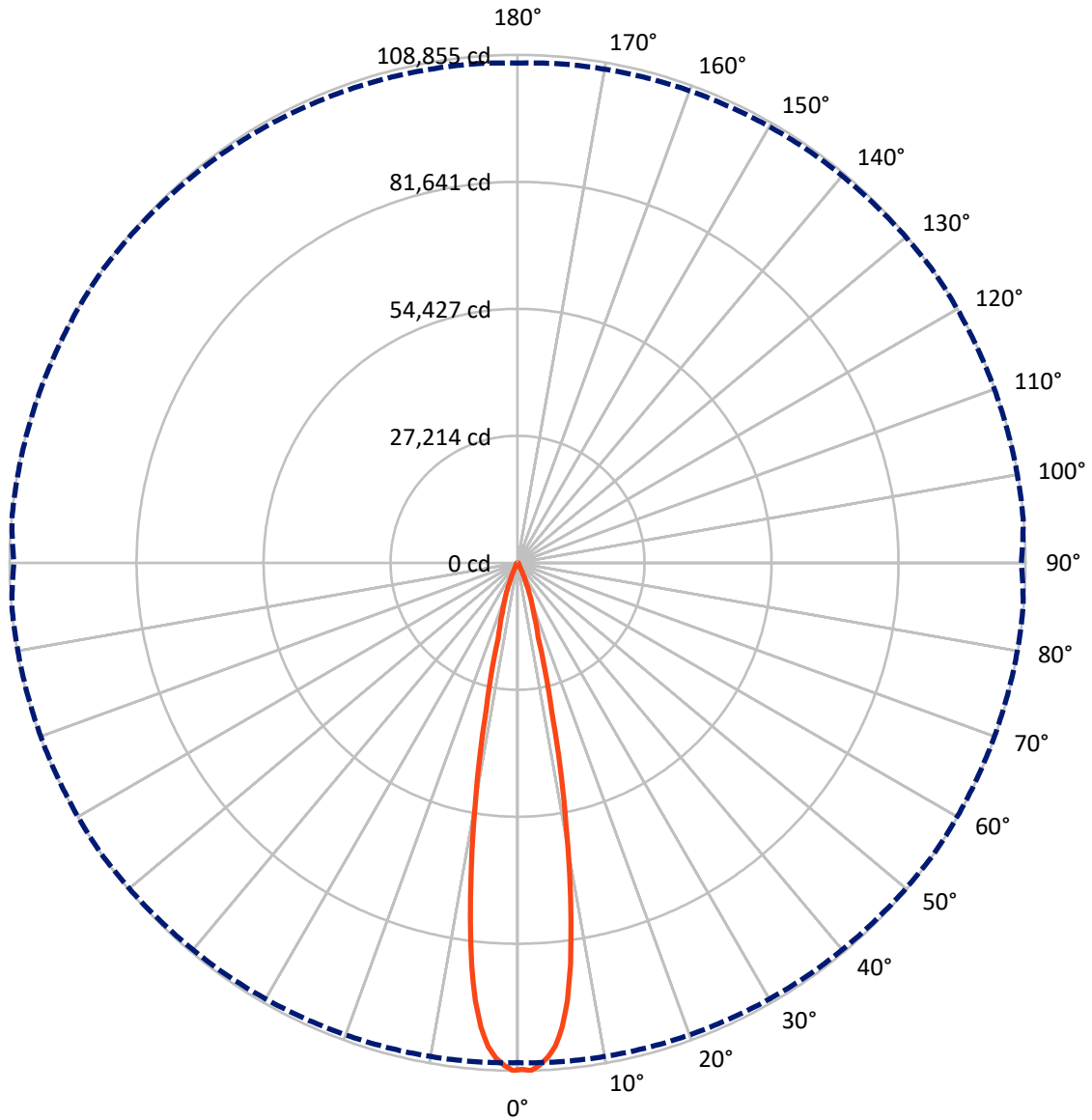
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 271.4 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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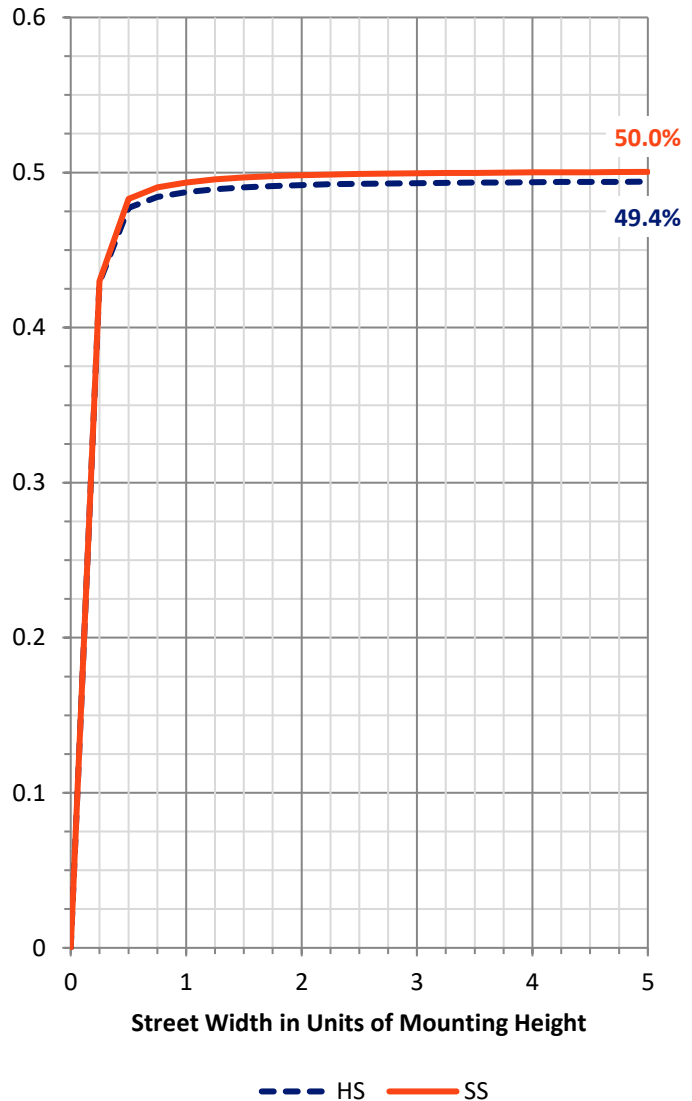
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7896.8	0.0	7896.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7896.8	0.0	7896.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	15793.7	0.0	15793.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8024.4	50.8
10°-20°	5686.9	36.0
20°-30°	1332.6	8.4
30°-40°	278.5	1.8
40°-50°	179.7	1.1
50°-60°	133.1	0.8
60°-70°	90.5	0.6
70°-80°	48.3	0.3
80°-90°	19.8	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°	15793.7	100.0
0°-180°	15793.7	100.0

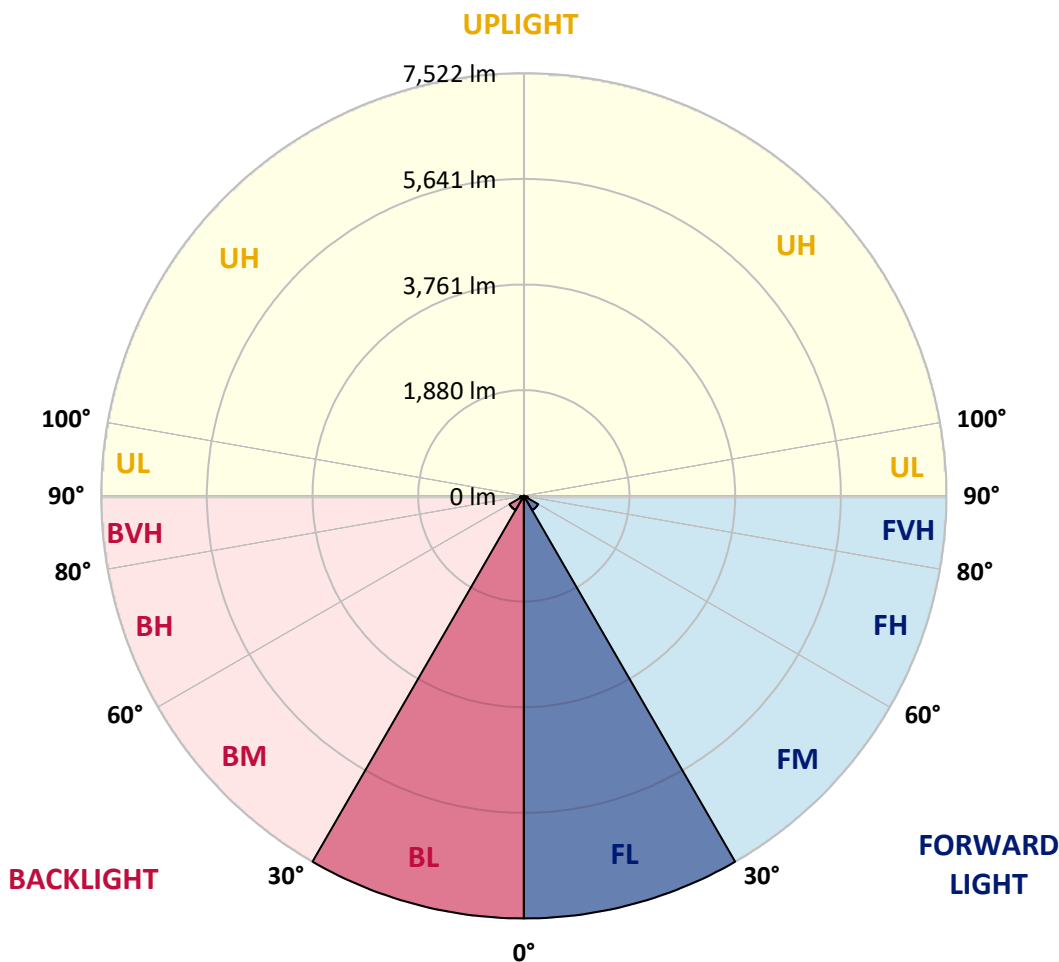


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7521.9	47.6			
FM (30°-60°)	295.6	1.9			
FH (60°-80°)	69.4	0.4			G0/660
FVH (80°-90°)	9.9	0.1			G0/10
BL (0°-30°)	7521.9	47.6	B5		
BM (30°-60°)	295.6	1.9	B1/1000		
BH (60°-80°)	69.4	0.4	B0/110		G0/660
BVH (80°-90°)	9.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	108575.5	108575.5	108575.5	108575.5	108575.5	108575.5	108575.5	108575.5	108575.5	108575.5
1°	107114.8	107313.1	107556.1	107776.7	108109.1	108380.0	108854.9	108754.3	108740.3	108759.9
2°	105039.5	105288.1	105662.4	105883.0	106740.5	107092.4	107810.2	108022.5	107852.1	108044.9
3°	101930.8	102134.7	102721.2	103154.2	104265.8	105215.5	106176.3	106494.7	106296.4	106385.8
4°	98230.0	98439.4	99148.9	100031.5	101637.5	102690.5	103841.3	104126.2	103478.2	103522.9
5°	93825.3	93923.0	94791.7	95596.1	97517.7	98794.2	99886.3	99975.6	99383.5	99157.3
6°	88870.3	88694.4	89493.2	89834.0	92222.0	93523.6	94322.4	94219.1	93769.4	93576.7
7°	82982.5	82742.3	83387.5	83203.2	85317.5	86060.5	86828.6	86476.7	86119.1	86563.2
8°	76170.2	76036.1	75619.9	76374.1	76793.0	77457.8	77455.0	77251.1	77239.9	77980.1
9°	66265.9	67503.2	67137.4	67927.8	67821.7	67790.9	67587.0	67455.8	66897.1	67749.0
10°	55389.6	56199.6	56816.9	57995.6	57766.6	58090.6	56956.6	57149.3	56777.8	57481.7
12.5°	28671.0	29581.5	30115.0	31014.4	32003.2	33014.2	32687.5	32349.5	31843.9	32464.0
15°	14113.5	14473.8	14644.1	15557.5	16261.3	16515.5	16554.6	16255.7	16127.3	16261.3
17.5°	8661.4	8787.0	9281.4	10331.6	10940.5	11091.3	10993.6	10666.8	10300.9	10147.3
20°	6270.5	6306.8	6493.9	6697.8	7510.6	7935.2	7778.7	7457.5	7119.6	6960.4
22.5°	4094.7	4131.0	4192.4	4304.1	4522.0	5047.1	4876.7	4658.9	4429.8	4382.3
25°	2318.3	2318.3	2382.5	2497.0	2659.0	2698.1	2731.6	2499.8	2393.7	2346.2
27.5°	1293.2	1301.6	1315.5	1360.2	1441.2	1432.9	1396.5	1335.1	1262.5	1187.1
30°	715.0	723.4	731.8	743.0	756.9	731.8	709.4	698.3	667.5	659.2
32.5°	536.3	536.3	541.9	539.1	525.1	494.4	480.4	497.2	494.4	480.4
35°	441.3	441.3	446.9	458.1	430.1	407.8	396.6	419.0	419.0	410.6
37.5°	360.3	363.1	365.9	379.9	371.5	346.3	343.5	349.1	351.9	349.1
40°	315.6	312.8	312.8	315.6	310.0	304.4	298.9	296.1	298.9	296.1
42.5°	273.7	270.9	276.5	270.9	259.8	262.5	262.5	254.2	257.0	251.4
45°	240.2	237.4	240.2	234.6	226.2	229.0	229.0	217.9	217.9	215.1
47.5°	212.3	212.3	212.3	215.1	201.1	198.3	201.1	198.3	189.9	187.1
50°	184.3	187.1	189.9	195.5	181.6	176.0	176.0	176.0	170.4	167.6
52.5°	170.4	173.2	173.2	173.2	164.8	159.2	159.2	156.4	153.6	150.8
55°	164.8	164.8	164.8	153.6	150.8	148.0	139.7	136.9	134.1	134.1
57.5°	156.4	156.4	153.6	145.2	136.9	136.9	125.7	122.9	120.1	120.1
60°	139.7	139.7	139.7	136.9	125.7	122.9	111.7	106.1	103.3	103.3
62.5°	128.5	128.5	128.5	117.3	114.5	106.1	97.8	89.4	86.6	81.0
65°	117.3	117.3	117.3	106.1	100.6	92.2	81.0	72.6	67.0	58.7
67.5°	108.9	108.9	106.1	97.8	89.4	78.2	67.0	58.7	47.5	41.9
70°	95.0	95.0	92.2	86.6	78.2	69.8	55.9	44.7	36.3	27.9
72.5°	81.0	81.0	78.2	72.6	67.0	58.7	47.5	39.1	25.1	19.6
75°	67.0	67.0	64.2	58.7	55.9	50.3	41.9	30.7	19.6	8.4
77.5°	55.9	55.9	53.1	50.3	47.5	41.9	36.3	25.1	14.0	5.6
80°	41.9	44.7	44.7	44.7	39.1	36.3	33.5	25.1	11.2	2.8
82.5°	30.7	33.5	33.5	33.5	30.7	27.9	30.7	22.3	11.2	2.8
85°	22.3	22.3	25.1	25.1	25.1	25.1	33.5	25.1	8.4	2.8
87.5°	11.2	11.2	11.2	11.2	11.2	14.0	16.8	14.0	5.6	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°
108575.5
107980.6
107313.1
105715.4
102858.1
98685.2
93143.8
86426.4
75927.2
66159.8
55677.3
30785.4
15635.7
9932.2
6837.5
4284.6
2307.1
1189.9
659.2
472.0
407.8
349.1
298.9
254.2
215.1
187.1
164.8
148.0
131.3
120.1
100.6
75.4
58.7
39.1
27.9
16.8
8.4
2.8
2.8
2.8
2.8
0.0
0.0

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