

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: P636320

Luminaire Tested: **IFLD-M-SA4D-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636320
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-930-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18718.3 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

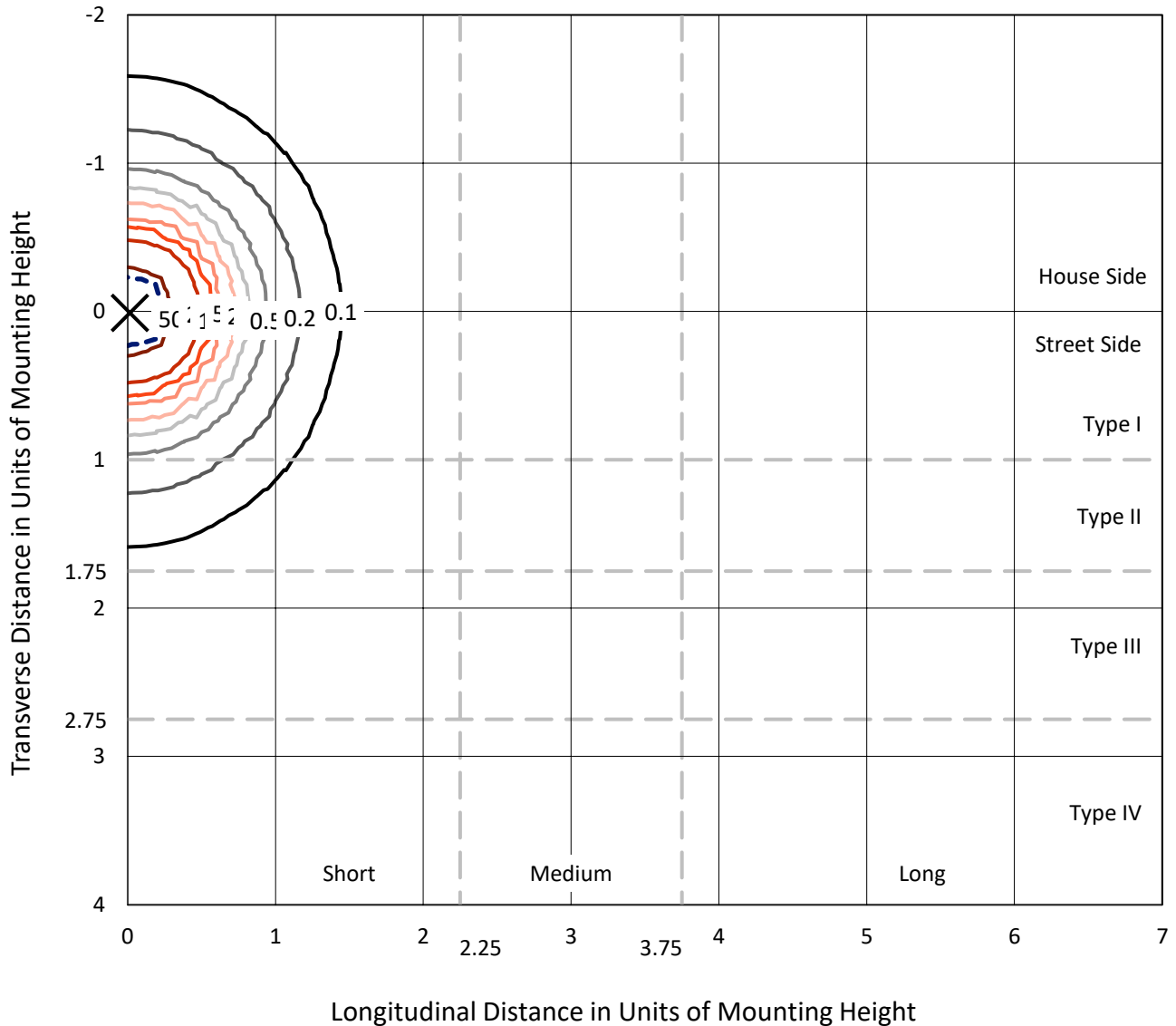
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

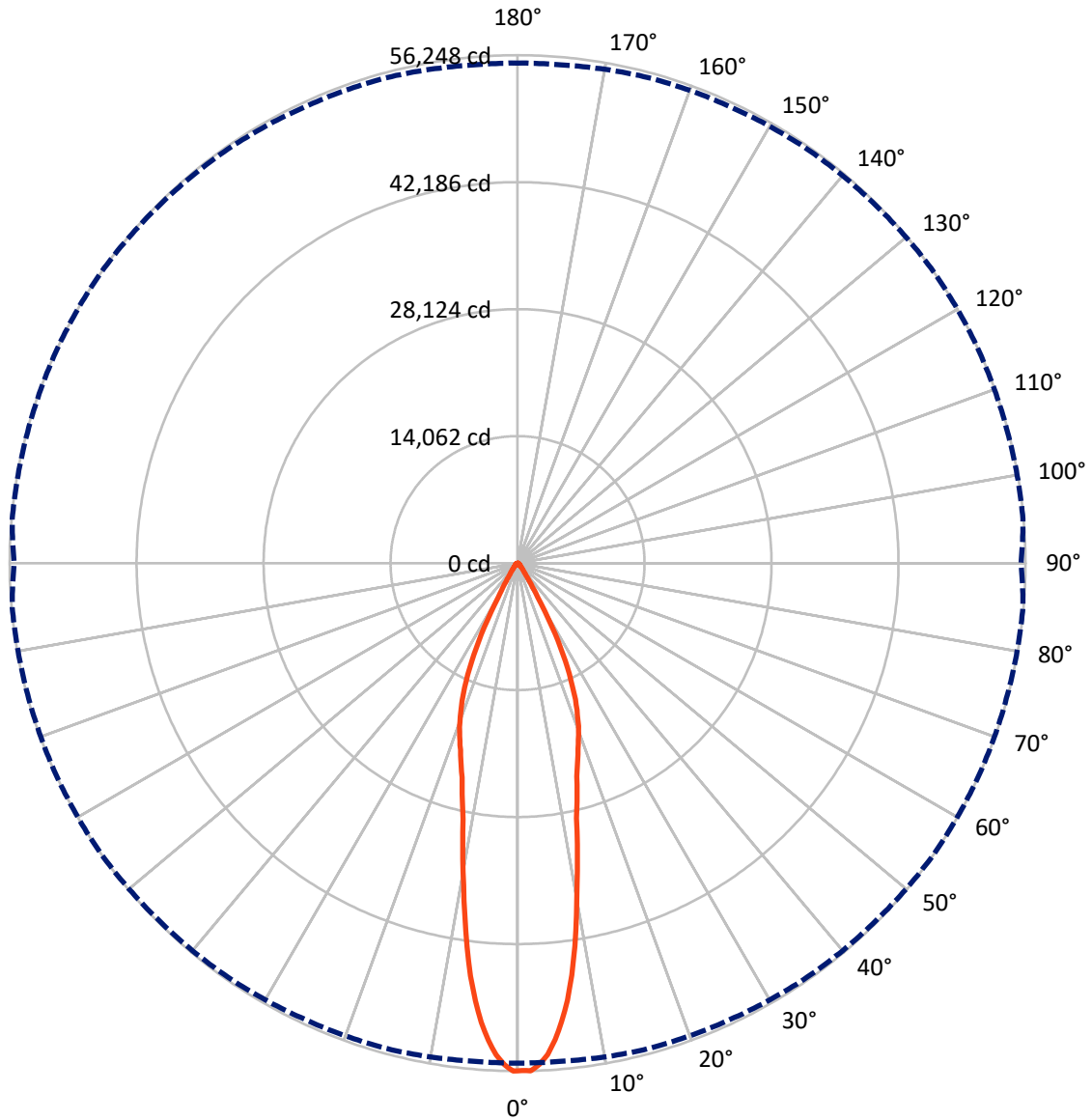
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 140.5 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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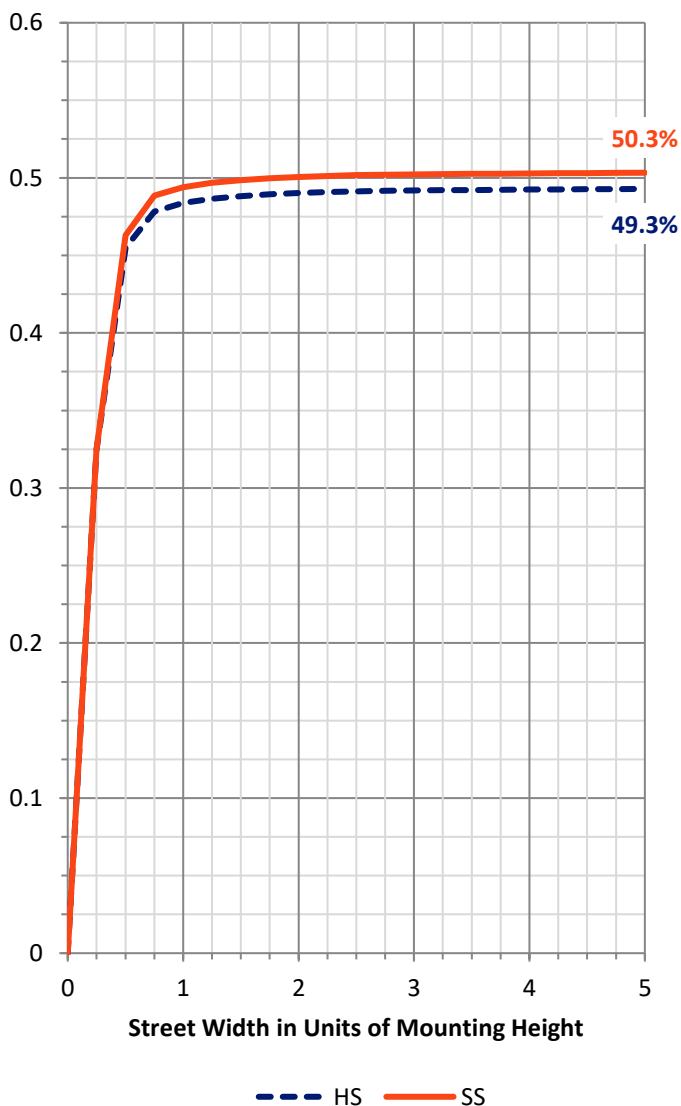
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9359.2	0.0	9359.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9359.2	0.0	9359.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	18718.3	0.0	18718.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4274.7	22.8
10°-20°	6981.8	37.3
20°-30°	5455.8	29.1
30°-40°	1189.2	6.4
40°-50°	352.1	1.9
50°-60°	220.2	1.2
60°-70°	154.0	0.8
70°-80°	66.1	0.4
80°-90°	24.4	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°	18718.3	100.0
0°-180°	18718.3	100.0



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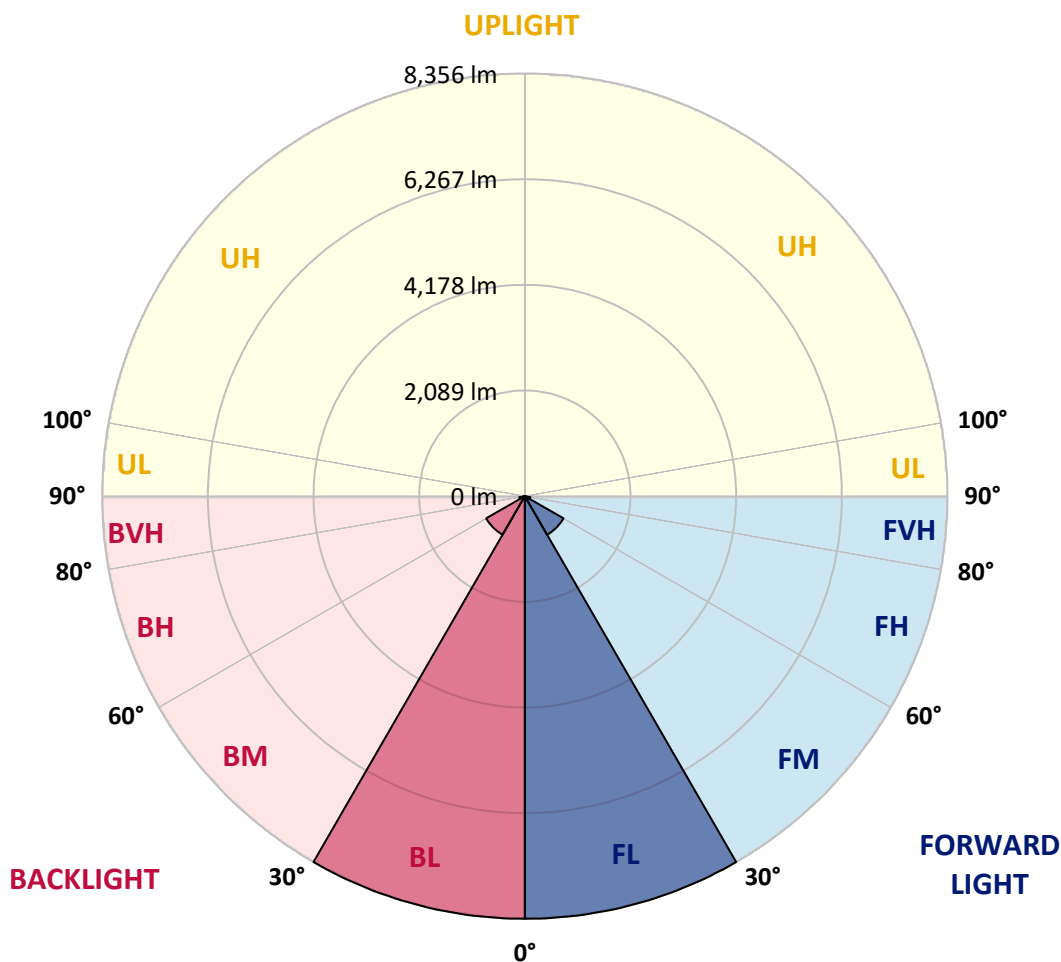
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8356.1	44.6			
FM (30°-60°)	880.8	4.7			
FH (60°-80°)	110.0	0.6			G0/660
FVH (80°-90°)	12.2	0.1			G1/100
BL (0°-30°)	8356.1	44.6	B5		
BM (30°-60°)	880.8	4.7	B1/1000		
BH (60°-80°)	110.0	0.6	B1/500		G0/660
BVH (80°-90°)	12.2	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°	56183.1	56183.1	56183.1	56183.1	56183.1	56183.1	56183.1	56183.1	56183.1	56183.1
1°	55369.8	55376.6	55678.2	55746.0	55952.7	56057.7	56247.5	56227.2	56169.6	56176.3
2°	54349.9	54305.8	54587.1	54898.8	55146.2	55349.5	55576.5	55624.0	55569.8	55620.6
3°	52672.5	52608.1	53001.2	53390.9	53821.3	54170.3	54512.5	54526.1	54461.7	54458.3
4°	50466.5	50347.9	50815.6	51510.2	52052.4	52516.6	52943.6	52936.8	52848.7	52919.9
5°	47799.7	47650.6	48257.2	49172.1	49975.2	50534.3	51005.3	50893.5	50690.2	50700.3
6°	44526.3	44672.0	45414.1	46698.4	47647.2	48111.4	48690.9	48480.8	48128.4	48091.1
7°	41449.4	41778.1	42371.1	43919.7	45048.1	45536.1	46027.5	45603.9	45126.1	45048.1
8°	38209.9	38758.9	39578.9	41005.5	42208.5	42699.8	42886.2	42432.1	41920.5	41900.1
9°	35583.8	35959.9	36664.7	37921.9	39145.2	39473.9	39514.6	39118.1	38606.4	38640.3
10°	33194.8	33266.0	33875.9	34956.9	35936.2	36170.0	36159.8	35871.8	35451.6	35563.4
12.5°	27847.6	28040.7	28216.9	28562.6	28891.3	29043.8	28986.1	28867.5	28637.1	28647.3
15°	24218.4	24215.0	24235.3	24394.6	24492.9	24509.8	24509.8	24360.7	24262.4	24408.1
17.5°	21016.1	21192.4	21507.5	21636.3	21765.0	21717.6	21629.5	21561.7	21497.3	21622.7
20°	18525.5	18603.5	18606.8	18691.6	19342.2	19376.1	19264.2	19071.1	18908.4	18877.9
22.5°	15723.1	15841.7	15892.6	15967.1	16034.9	16529.6	16397.5	16085.7	15892.6	15835.0
25°	11802.5	11761.9	12093.9	12703.9	12802.2	12863.2	12829.3	12666.6	12541.2	12565.0
27.5°	8156.4	8227.5	8214.0	8220.8	8868.0	8864.6	8854.4	8712.1	8674.8	8620.6
30°	4561.1	4527.2	4544.1	4500.1	4408.6	4520.4	4340.8	4493.3	4344.2	4391.6
32.5°	2697.3	2673.6	2649.9	2660.1	2592.3	2426.2	2355.1	2460.1	2426.2	2412.7
35°	1721.4	1731.6	1762.1	1758.7	1697.7	1602.8	1501.2	1596.0	1582.5	1541.8
37.5°	1097.9	1097.9	1108.1	1196.2	1145.3	1064.0	992.9	1033.5	1030.1	1023.4
40°	779.4	779.4	792.9	816.7	789.5	748.9	708.2	708.2	715.0	694.7
42.5°	579.5	579.5	593.0	606.6	572.7	559.1	538.8	525.2	542.2	525.2
45°	454.1	450.7	454.1	447.3	427.0	427.0	410.0	389.7	410.0	399.9
47.5°	372.7	369.4	366.0	352.4	332.1	335.5	328.7	311.8	321.9	318.5
50°	325.3	318.5	321.9	308.4	291.4	288.0	288.0	271.1	274.5	274.5
52.5°	284.6	284.6	281.3	274.5	267.7	254.1	257.5	240.6	240.6	240.6
55°	267.7	267.7	260.9	247.4	250.8	240.6	230.4	220.3	216.9	216.9
57.5°	264.3	264.3	260.9	247.4	237.2	233.8	220.3	206.7	196.5	199.9
60°	257.5	257.5	250.8	247.4	230.4	223.6	203.3	193.2	179.6	179.6
62.5°	247.4	244.0	230.4	210.1	210.1	193.2	179.6	159.3	149.1	145.7
65°	210.1	206.7	196.5	179.6	169.4	159.3	138.9	118.6	111.8	101.7
67.5°	172.8	172.8	166.0	149.1	142.3	128.8	105.0	91.5	74.5	67.8
70°	142.3	142.3	135.5	125.4	118.6	101.7	81.3	67.8	50.8	44.1
72.5°	115.2	115.2	108.4	101.7	94.9	84.7	67.8	50.8	33.9	27.1
75°	91.5	91.5	88.1	81.3	74.5	67.8	54.2	40.7	23.7	13.6
77.5°	74.5	74.5	71.2	67.8	61.0	54.2	44.1	33.9	16.9	6.8
80°	57.6	57.6	57.6	57.6	50.8	44.1	37.3	27.1	13.6	3.4
82.5°	40.7	40.7	44.1	50.8	40.7	33.9	33.9	27.1	10.2	3.4
85°	27.1	30.5	33.9	30.5	27.1	27.1	47.4	44.1	10.2	3.4
87.5°	13.6	13.6	13.6	13.6	13.6	10.2	13.6	10.2	6.8	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°
56183.1
55759.5
55220.7
54163.5
52584.4
50205.6
47596.4
44678.8
41158.0
38135.4
35170.4
28311.8
24069.3
21334.7
18681.4
15628.3
12483.6
8424.1
4449.2
2378.8
1497.8
1009.8
687.9
521.8
399.9
318.5
277.9
240.6
213.5
199.9
169.4
138.9
98.3
64.4
40.7
23.7
10.2
6.8
3.4
3.4
3.4
0.0
0.0

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