

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: P524125

Luminaire Tested: **IFLD-M-SA4A-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524125
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

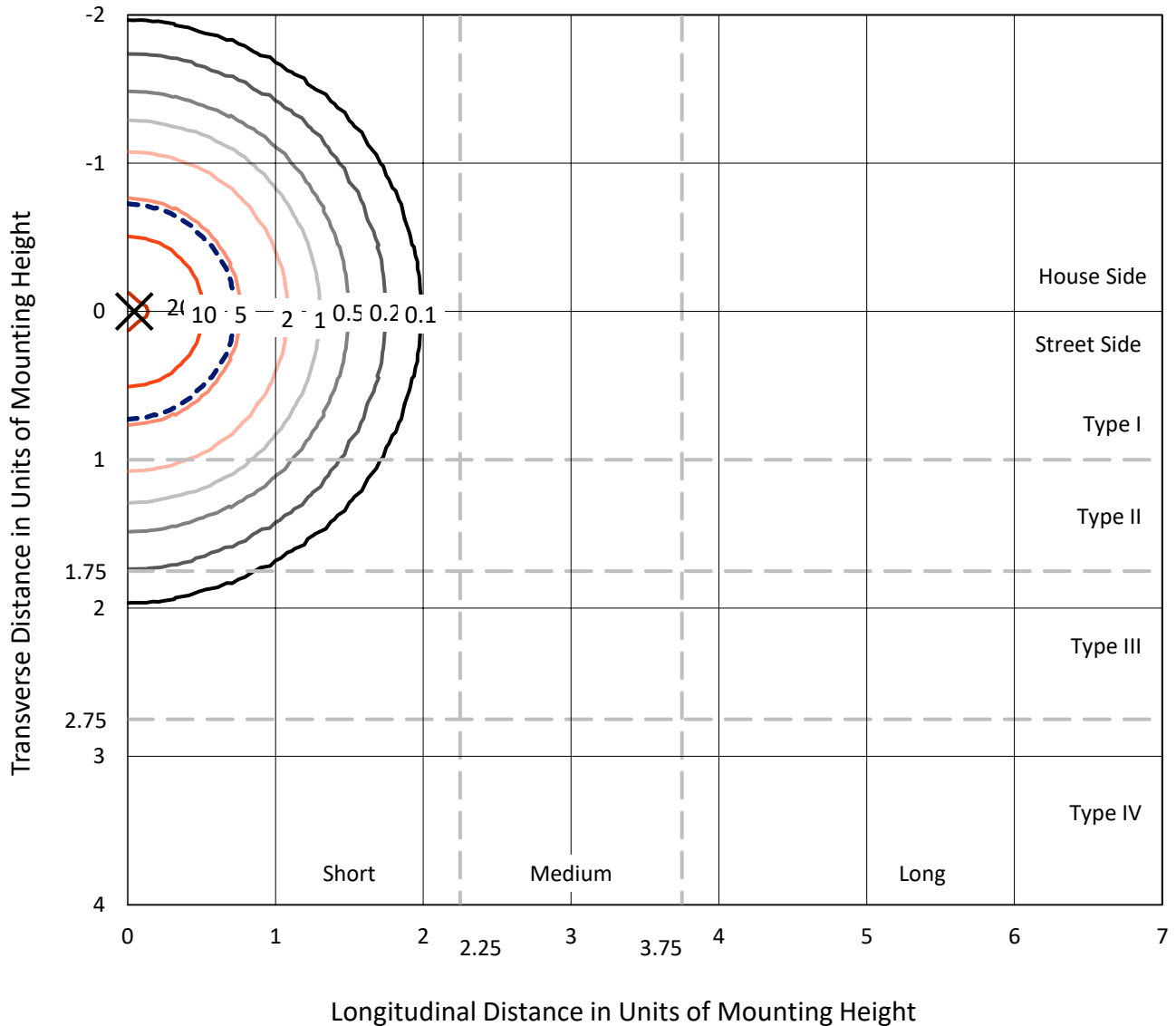
Lumens per Lamp: N/A
Luminaire Lumens: 12263.3 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 128.6
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

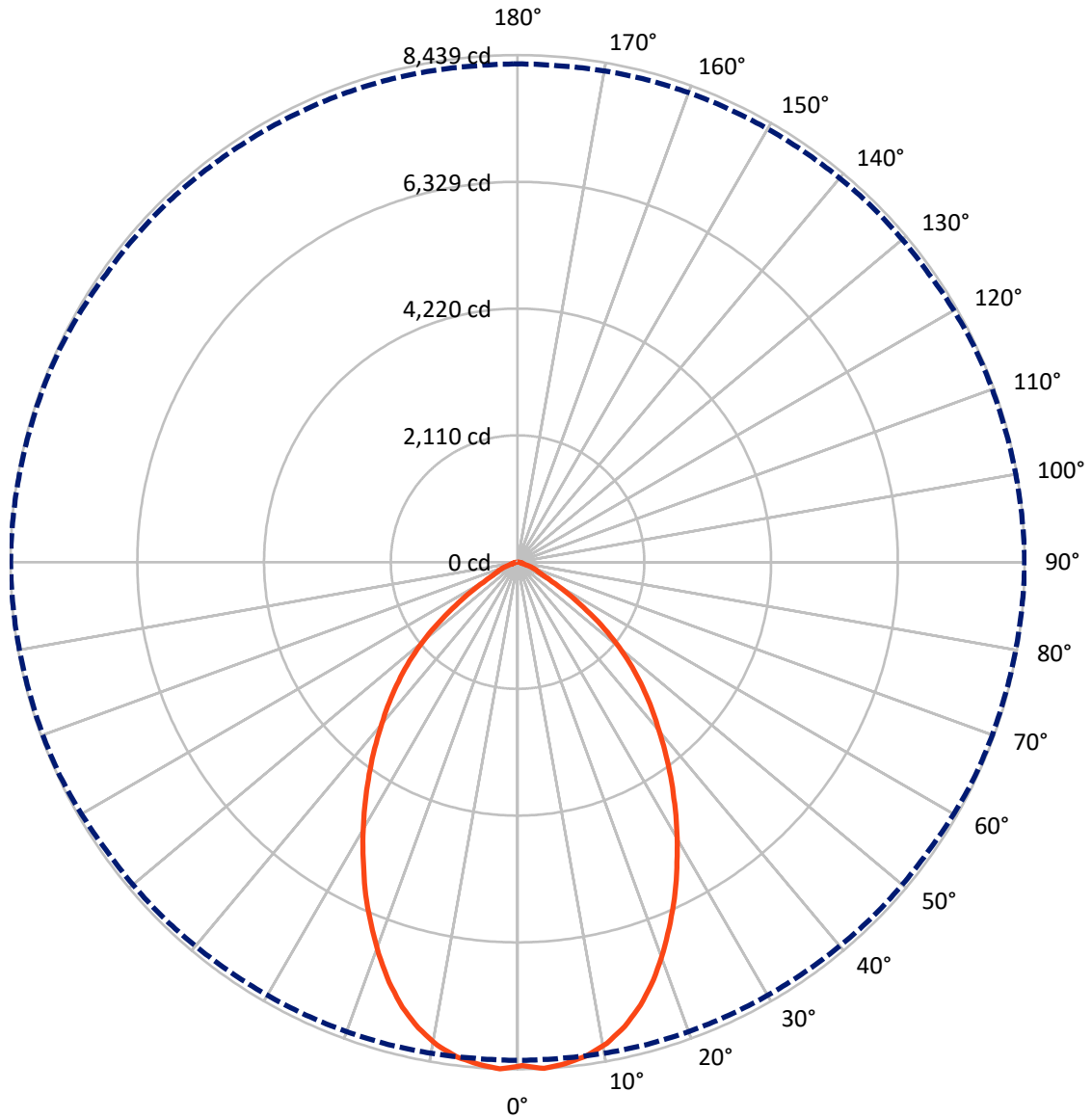
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 21 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6131.6	0.0	6131.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6131.6	0.0	6131.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	12263.3	0.0	12263.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	786.9	6.4
10°-20°	2114.4	17.2
20°-30°	2735.6	22.3
30°-40°	2698.0	22.0
40°-50°	2182.8	17.8
50°-60°	1188.5	9.7
60°-70°	376.6	3.1
70°-80°	145.7	1.2
80°-90°	34.8	0.3
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°	12263.3	100.0
0°-180°	12263.3	100.0

Coefficient of Utilization



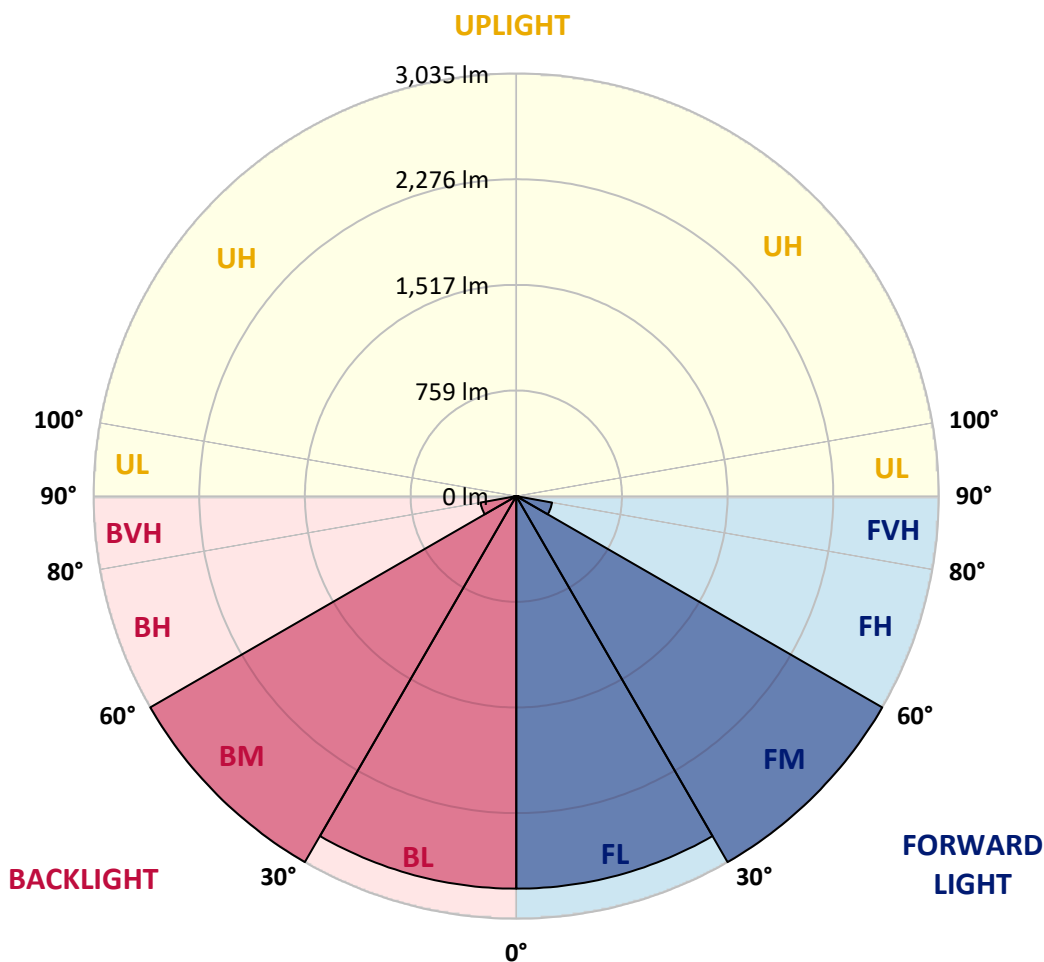
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2818.5	23.0			
FM	(30°-60°)	3034.6	24.7			
FH	(60°-80°)	261.1	2.1			G0/660
FVH	(80°-90°)	17.4	0.1			G1/100
BL	(0°-30°)	2818.5	23.0	B4/5000		
BM	(30°-60°)	3034.6	24.7	B3/5000		
BH	(60°-80°)	261.1	2.1	B1/500		G0/660
BVH	(80°-90°)	17.4	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8382.3	8382.3	8382.3	8382.3	8382.3	8382.3	8382.3	8382.3	8382.3	8382.3	8382.3
2.5°	8291.9	8290.1	8311.4	8320.3	8330.9	8352.1	8359.2	8405.3	8410.6	8428.3	8439.0
5°	8277.7	8270.6	8291.9	8295.4	8307.8	8311.4	8322.0	8353.9	8350.4	8376.9	8382.3
7.5°	8201.5	8192.7	8210.4	8213.9	8231.7	8226.3	8244.1	8267.1	8267.1	8286.6	8295.4
10°	8031.5	8029.7	8047.4	8049.2	8074.0	8068.7	8097.0	8102.3	8116.5	8130.7	8146.6
12.5°	7827.7	7804.7	7827.7	7818.8	7852.5	7833.0	7872.0	7884.4	7891.5	7916.3	7928.7
15°	7565.5	7537.1	7553.1	7544.2	7565.5	7540.7	7581.4	7606.2	7615.1	7639.9	7652.3
17.5°	7214.7	7191.6	7195.2	7182.8	7196.9	7177.5	7216.4	7255.4	7267.8	7294.4	7312.1
20°	6773.5	6773.5	6775.3	6764.6	6777.0	6757.5	6782.4	6842.6	6855.0	6890.4	6920.6
22.5°	6343.0	6343.0	6348.3	6334.1	6337.6	6328.8	6355.4	6413.8	6433.3	6470.5	6507.7
25°	5930.1	5923.0	5926.6	5914.2	5900.0	5903.6	5935.4	5972.7	6015.2	6063.0	6091.4
27.5°	5536.8	5545.7	5524.4	5515.5	5504.9	5485.4	5522.6	5568.7	5598.8	5637.8	5652.0
30°	5116.9	5134.6	5118.7	5111.6	5085.0	5060.2	5099.2	5145.2	5175.4	5212.6	5228.5
32.5°	4743.0	4737.7	4723.6	4707.6	4681.0	4661.5	4677.5	4730.6	4753.7	4792.6	4798.0
35°	4342.6	4339.1	4330.2	4298.3	4289.5	4266.4	4280.6	4326.7	4344.4	4367.4	4385.1
37.5°	3951.1	3938.7	3935.1	3922.7	3906.8	3901.4	3901.4	3926.3	3944.0	3967.0	3984.7
40°	3563.0	3566.6	3556.0	3545.3	3540.0	3532.9	3534.7	3548.9	3563.0	3573.7	3584.3
42.5°	3212.2	3192.7	3185.7	3175.0	3180.3	3189.2	3169.7	3191.0	3208.7	3208.7	3231.7
45°	2810.0	2818.9	2822.4	2840.2	2840.2	2831.3	2824.2	2834.8	2852.6	2850.8	2873.8
47.5°	2459.2	2448.6	2457.5	2484.0	2507.1	2510.6	2489.3	2494.7	2500.0	2491.1	2512.4
50°	2074.7	2078.3	2076.5	2117.3	2163.3	2147.4	2131.4	2136.8	2135.0	2135.0	2138.5
52.5°	1656.6	1665.5	1654.8	1713.3	1762.9	1750.5	1739.9	1739.9	1748.7	1747.0	1745.2
55°	1275.7	1272.1	1249.1	1277.4	1321.7	1323.5	1307.6	1314.7	1323.5	1332.4	1330.6
57.5°	949.7	939.0	907.1	908.9	958.5	970.9	956.8	955.0	965.6	969.2	988.7
60°	639.6	637.8	609.5	607.7	627.2	660.9	644.9	644.9	648.5	653.8	659.1
62.5°	437.6	441.2	430.5	428.8	432.3	460.7	458.9	457.1	455.3	462.4	460.7
65°	343.7	345.5	342.0	342.0	343.7	356.1	368.5	370.3	372.1	373.8	372.1
67.5°	276.4	278.2	274.6	278.2	278.2	279.9	297.7	304.7	306.5	306.5	304.7
70°	212.6	219.7	223.2	223.2	223.2	223.2	235.6	244.5	242.7	232.1	221.5
72.5°	106.3	129.3	178.9	180.7	178.9	177.2	184.3	193.1	191.4	134.7	101.0
75°	70.9	76.2	140.0	147.1	145.3	138.2	145.3	155.9	152.4	86.8	83.3
77.5°	40.8	44.3	93.9	108.1	116.9	101.0	115.2	125.8	120.5	70.9	69.1
80°	31.9	30.1	67.3	83.3	79.7	63.8	93.9	101.0	92.1	53.2	47.8
82.5°	19.5	19.5	44.3	63.8	58.5	37.2	65.6	78.0	69.1	39.0	35.4
85°	10.6	12.4	21.3	31.9	33.7	24.8	35.4	42.5	42.5	24.8	24.8
87.5°	5.3	5.3	7.1	7.1	8.9	10.6	10.6	12.4	8.9	7.1	7.1
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)