

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: P524167

Luminaire Tested: **IFLD-M-SA4D-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524167
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-935-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

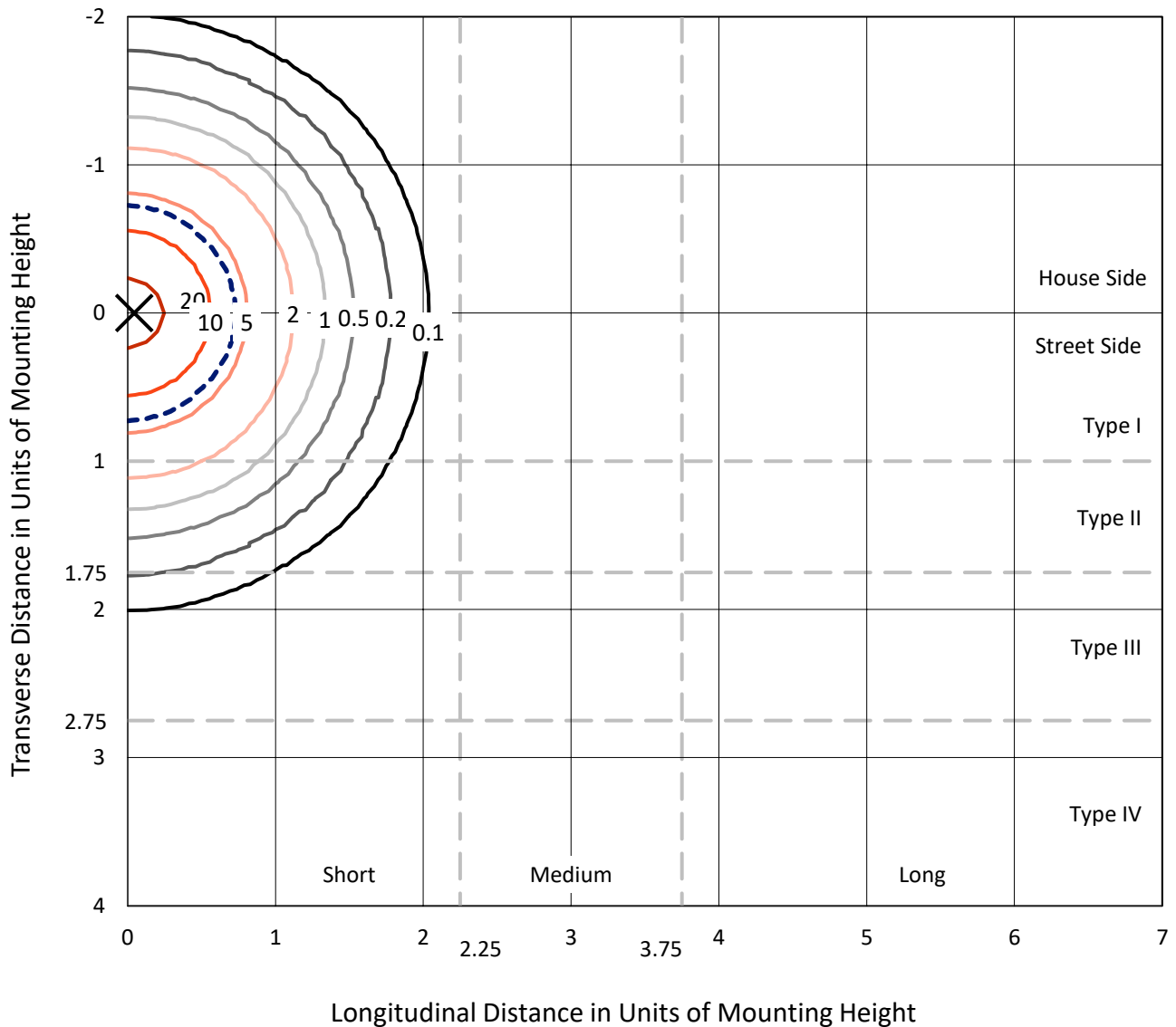
Lumens per Lamp: N/A
Luminaire Lumens: 21552.8 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

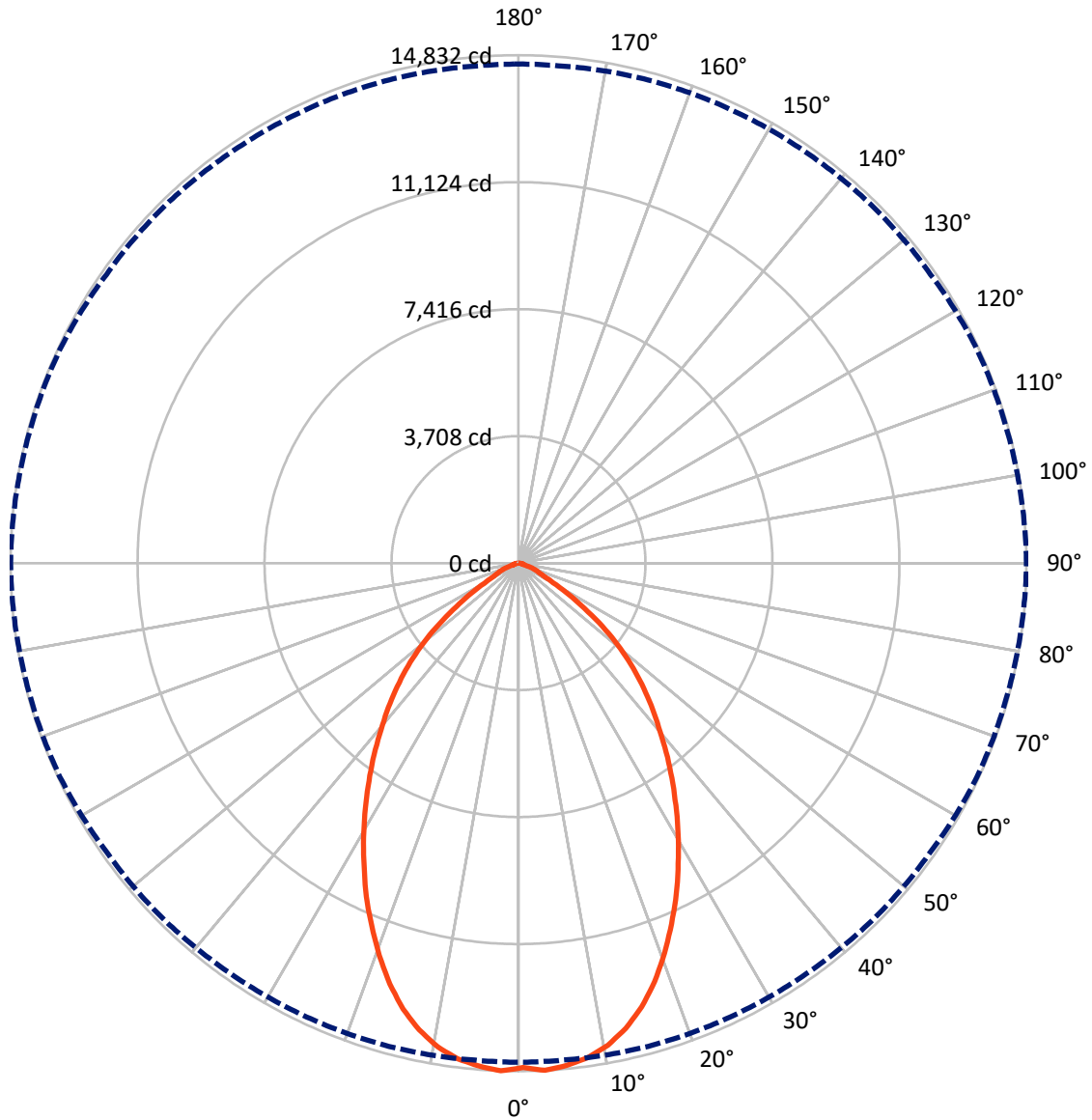
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.6 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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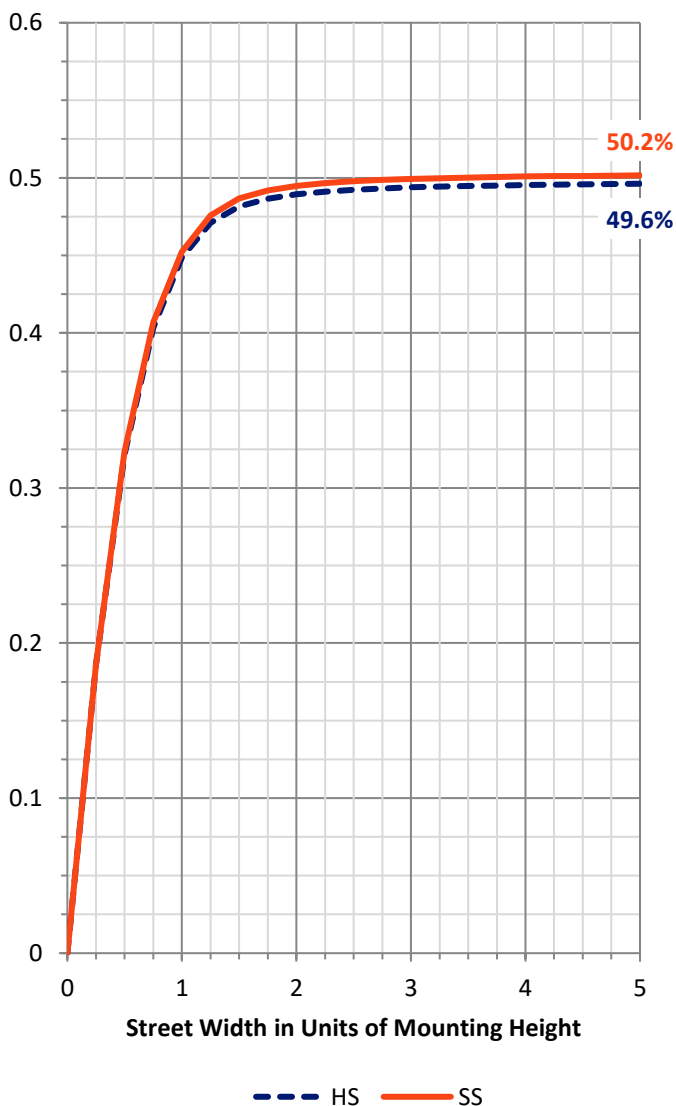
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10776.4	0.0	10776.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10776.4	0.0	10776.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	21552.8	0.0	21552.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1383.0	6.4
10°-20°	3716.1	17.2
20°-30°	4807.9	22.3
30°-40°	4741.7	22.0
40°-50°	3836.3	17.8
50°-60°	2088.7	9.7
60°-70°	661.8	3.1
70°-80°	256.1	1.2
80°-90°	61.2	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°	21552.8	100.0
0°-180°	21552.8	100.0

Coefficient of Utilization



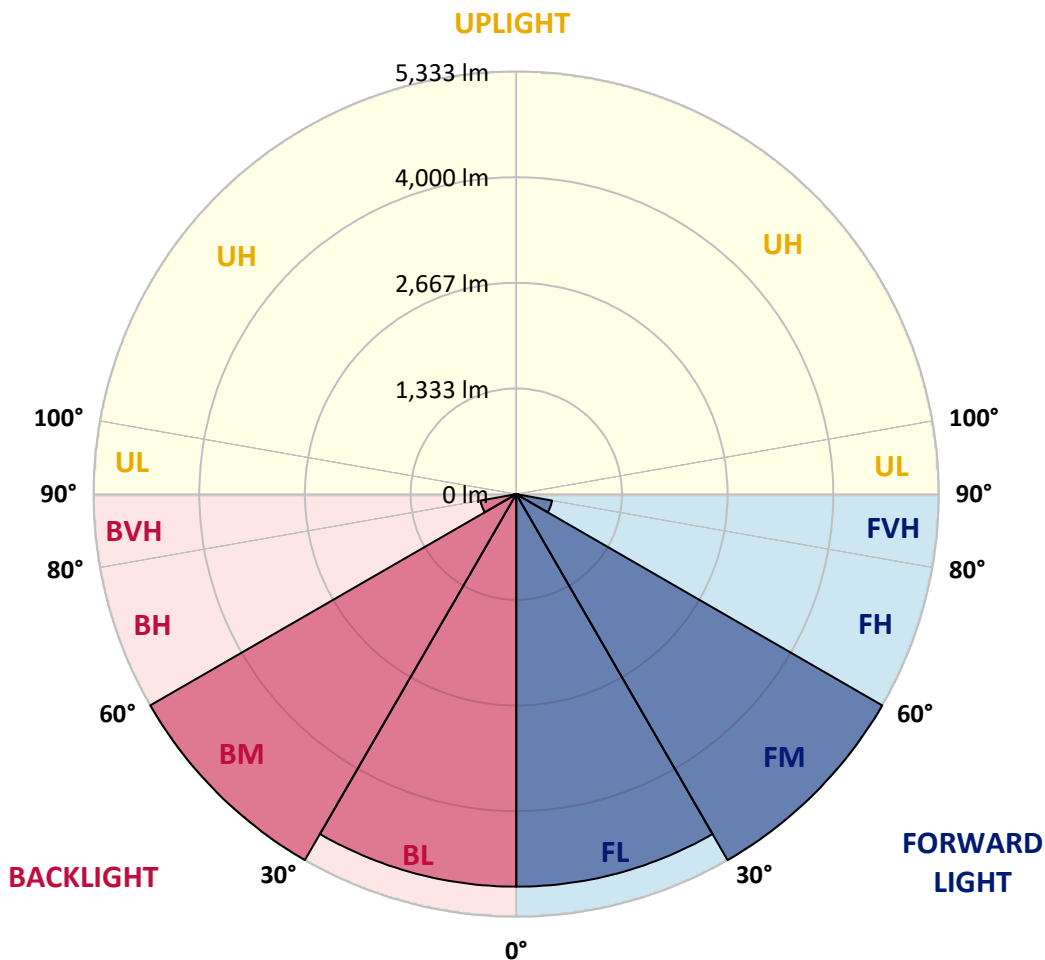
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4953.5	23.0			
FM (30°-60°)	5333.4	24.7			
FH (60°-80°)	458.9	2.1			G0/660
FVH (80°-90°)	30.6	0.1			G1/100
BL (0°-30°)	4953.5	23.0	B4/5000		
BM (30°-60°)	5333.4	24.7	B4/8500		
BH (60°-80°)	458.9	2.1	B1/500		G0/660
BVH (80°-90°)	30.6	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°	14731.9	14731.9	14731.9	14731.9	14731.9	14731.9	14731.9	14731.9	14731.9	14731.9	14731.9
2.5°	14573.1	14570.0	14607.4	14622.9	14641.6	14679.0	14691.4	14772.4	14781.7	14812.9	14831.6
5°	14548.2	14535.7	14573.1	14579.3	14601.1	14607.4	14626.0	14682.1	14675.9	14722.6	14731.9
7.5°	14414.3	14398.7	14429.9	14436.1	14467.2	14457.9	14489.0	14529.5	14529.5	14563.8	14579.3
10°	14115.4	14112.2	14143.4	14146.5	14190.1	14180.8	14230.6	14239.9	14264.8	14289.7	14317.8
12.5°	13757.3	13716.8	13757.3	13741.7	13800.9	13766.6	13835.1	13856.9	13869.4	13913.0	13934.8
15°	13296.4	13246.6	13274.6	13259.0	13296.4	13252.8	13324.4	13368.0	13383.6	13427.2	13449.0
17.5°	12679.8	12639.4	12645.6	12623.8	12648.7	12614.5	12683.0	12751.5	12773.3	12820.0	12851.1
20°	11904.5	11904.5	11907.6	11888.9	11910.7	11876.5	11920.1	12025.9	12047.7	12110.0	12162.9
22.5°	11147.8	11147.8	11157.1	11132.2	11138.5	11122.9	11169.6	11272.4	11306.6	11372.0	11437.4
25°	10422.3	10409.8	10416.0	10394.2	10369.3	10375.6	10431.6	10497.0	10571.7	10655.8	10705.6
27.5°	9731.0	9746.5	9709.2	9693.6	9674.9	9640.7	9706.1	9787.0	9840.0	9908.5	9933.4
30°	8993.0	9024.1	8996.1	8983.6	8936.9	8893.3	8961.8	9042.8	9095.7	9161.1	9189.2
32.5°	8335.9	8326.6	8301.7	8273.7	8227.0	8192.7	8220.7	8314.1	8354.6	8423.1	8432.5
35°	7632.2	7626.0	7610.4	7554.3	7538.8	7498.3	7523.2	7604.2	7635.3	7675.8	7706.9
37.5°	6944.0	6922.2	6916.0	6894.2	6866.2	6856.8	6856.8	6900.4	6931.6	6972.0	7003.2
40°	6262.1	6268.3	6249.6	6230.9	6221.6	6209.1	6212.3	6237.2	6262.1	6280.8	6299.4
42.5°	5645.5	5611.3	5598.8	5580.1	5589.5	5605.0	5570.8	5608.2	5639.3	5639.3	5679.8
45°	4938.7	4954.2	4960.5	4991.6	4991.6	4976.0	4963.6	4982.3	5013.4	5010.3	5050.8
47.5°	4322.1	4303.4	4319.0	4365.7	4406.2	4412.4	4375.0	4384.4	4393.7	4378.2	4415.5
50°	3646.4	3652.6	3649.5	3721.1	3802.1	3774.1	3746.0	3755.4	3752.3	3752.3	3758.5
52.5°	2911.5	2927.1	2908.4	3011.2	3098.3	3076.5	3057.9	3057.9	3073.4	3070.3	3067.2
55°	2242.0	2235.8	2195.3	2245.1	2323.0	2326.1	2298.1	2310.5	2326.1	2341.7	2338.5
57.5°	1669.1	1650.4	1594.3	1597.4	1684.6	1706.4	1681.5	1678.4	1697.1	1703.3	1737.6
60°	1124.1	1121.0	1071.2	1068.1	1102.3	1161.5	1133.5	1133.5	1139.7	1149.0	1158.4
62.5°	769.1	775.4	756.7	753.6	759.8	809.6	806.5	803.4	800.3	812.7	809.6
65°	604.1	607.2	601.0	601.0	604.1	625.9	647.7	650.8	653.9	657.0	653.9
67.5°	485.8	488.9	482.7	488.9	488.9	492.0	523.1	535.6	538.7	538.7	535.6
70°	373.7	386.1	392.4	392.4	392.4	392.4	414.2	429.7	426.6	407.9	389.2
72.5°	186.8	227.3	314.5	317.6	314.5	311.4	323.8	339.4	336.3	236.7	177.5
75°	124.6	133.9	246.0	258.5	255.3	242.9	255.3	274.0	267.8	152.6	146.4
77.5°	71.6	77.8	165.0	189.9	205.5	177.5	202.4	221.1	211.7	124.6	121.4
80°	56.1	52.9	118.3	146.4	140.1	112.1	165.0	177.5	161.9	93.4	84.1
82.5°	34.3	34.3	77.8	112.1	102.8	65.4	115.2	137.0	121.4	68.5	62.3
85°	18.7	21.8	37.4	56.1	59.2	43.6	62.3	74.7	74.7	43.6	43.6
87.5°	9.3	9.3	12.5	12.5	15.6	18.7	18.7	21.8	15.6	12.5	12.5
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)