

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: P479777

Luminaire Tested: **IFLD-M-SA4C-750-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479777  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-750-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (64) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

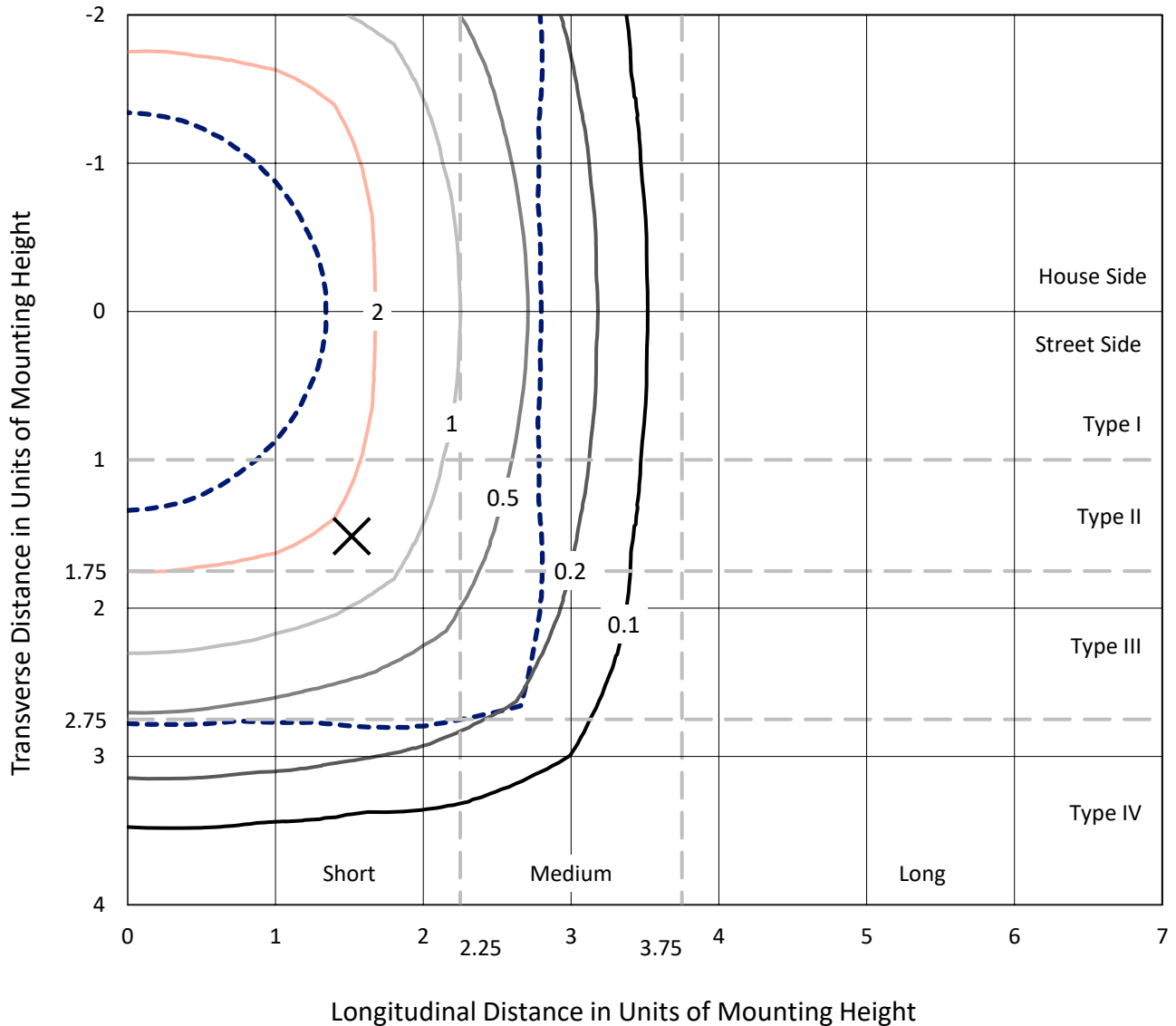
Lumens per Lamp: N/A  
Luminaire Lumens: 29844.5 lumens  
Efficiency: N/A  
Efficacy: 136.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 218.1  
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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

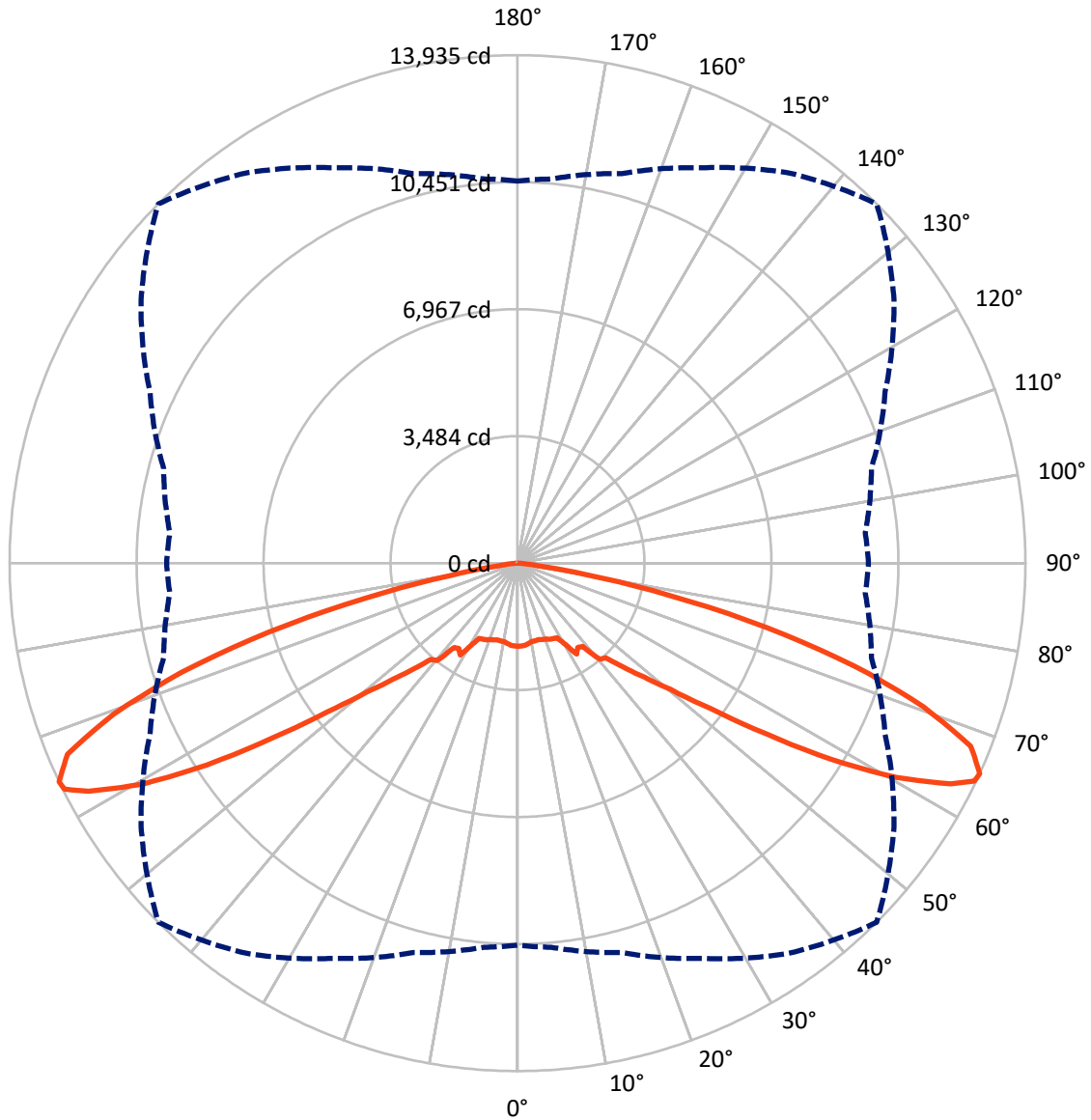
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14922.2	0.0	14922.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14922.2	0.0	14922.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29844.5	0.0	29844.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.1	0.7
10°-20°	629.0	2.1
20°-30°	1088.8	3.6
30°-40°	1810.4	6.1
40°-50°	3266.2	10.9
50°-60°	7276.0	24.4
60°-70°	10843.6	36.3
70°-80°	4493.7	15.1
80°-90°	222.6	0.7
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°	29844.5	100.0
0°-180°	29844.5	100.0

**Coefficient of Utilization**



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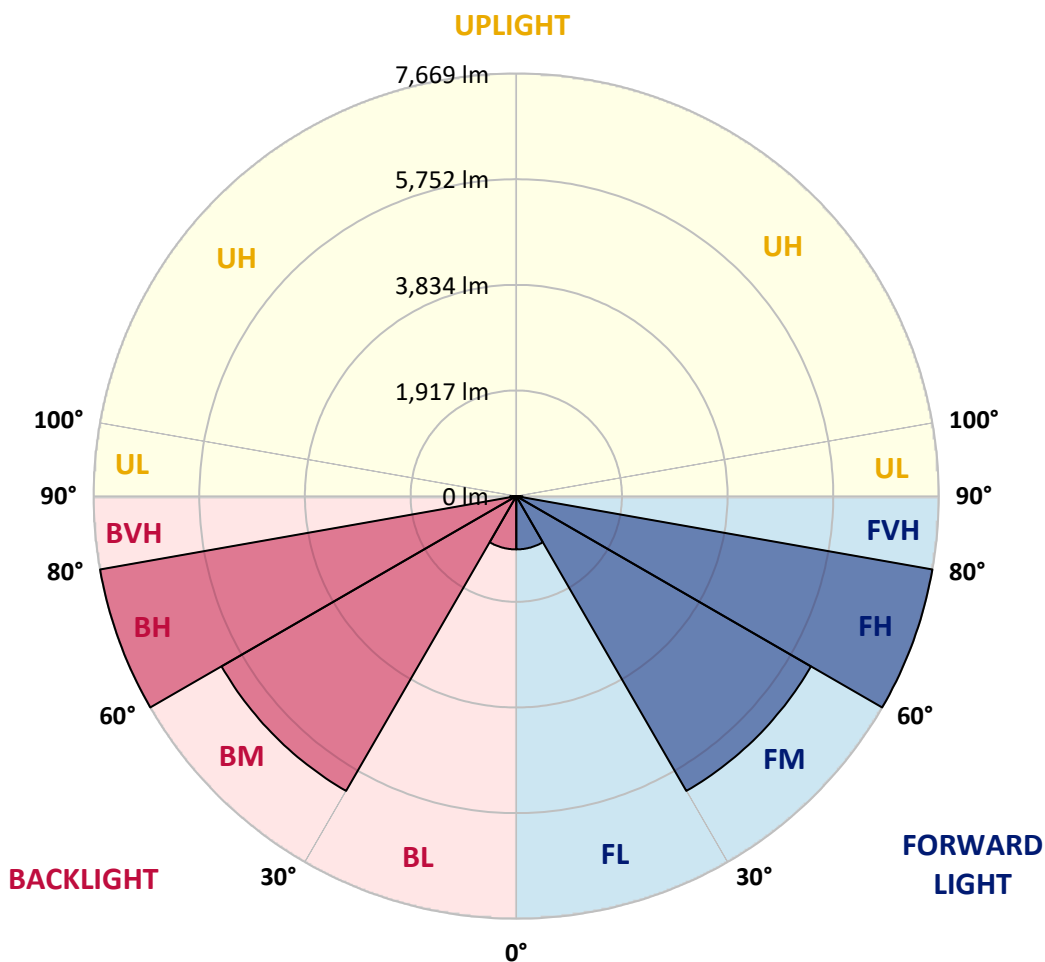
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	965.9	3.2			
FM (30°-60°)	6176.3	20.7			
FH (60°-80°)	7668.7	25.7			G4/12000
FVH (80°-90°)	111.3	0.4			G2/225
BL (0°-30°)	965.9	3.2	B2/1000		
BM (30°-60°)	6176.3	20.7	B4/8500		
BH (60°-80°)	7668.7	25.7	B5		G4/12000
BVH (80°-90°)	111.3	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2281.8	2281.8	2281.8	2281.8	2281.8	2281.8	2281.8	2281.8	2281.8	2281.8	2281.8
2.5°	2255.4	2262.0	2258.7	2258.7	2268.6	2275.2	2278.5	2311.5	2298.3	2308.2	2298.3
5°	2262.0	2262.0	2268.6	2262.0	2268.6	2262.0	2268.6	2258.7	2268.6	2275.2	2285.1
7.5°	2248.8	2242.2	2232.3	2232.3	2229.0	2222.4	2212.5	2238.9	2225.7	2235.6	2252.1
10°	2252.1	2242.2	2209.2	2215.8	2186.2	2186.2	2192.8	2192.8	2222.4	2255.4	2265.3
12.5°	2252.1	2232.3	2222.4	2179.6	2179.6	2182.9	2199.4	2206.0	2225.7	2238.9	2271.9
15°	2252.1	2242.2	2225.7	2169.7	2182.9	2176.3	2192.8	2192.8	2235.6	2258.7	2275.2
17.5°	2265.3	2271.9	2242.2	2189.5	2192.8	2206.0	2196.1	2206.0	2258.7	2275.2	2298.3
20°	2268.6	2242.2	2232.3	2199.4	2229.0	2222.4	2219.1	2238.9	2255.4	2285.1	2311.5
22.5°	2262.0	2271.9	2232.3	2229.0	2255.4	2268.6	2275.2	2252.1	2271.9	2291.7	2314.8
25°	2318.1	2281.8	2271.9	2265.3	2278.5	2291.7	2285.1	2304.9	2304.9	2328.0	2357.6
27.5°	2469.7	2473.0	2453.3	2374.1	2347.7	2318.1	2331.3	2384.0	2446.7	2496.1	2506.0
30°	2539.0	2552.2	2604.9	2591.7	2581.9	2591.7	2588.4	2601.6	2608.2	2611.5	2601.6
32.5°	2601.6	2595.0	2572.0	2631.3	2825.9	2974.2	2832.5	2637.9	2595.0	2581.9	2595.0
35°	2829.2	2829.2	2779.7	2703.9	2806.1	2842.3	2776.4	2684.1	2736.8	2845.6	2852.2
37.5°	3122.6	3079.8	3099.5	3089.7	2977.5	2898.4	3013.8	3073.2	3083.1	3079.8	3112.7
40°	3297.4	3267.7	3238.0	3290.8	3393.0	3465.6	3363.3	3221.5	3257.8	3330.4	3300.7
42.5°	3696.4	3620.5	3627.1	3574.4	3571.1	3548.0	3524.9	3534.8	3587.6	3670.0	3683.2
45°	4105.2	4141.5	4118.4	4019.5	4065.7	4065.7	3999.7	4049.2	4075.6	4171.2	4184.4
47.5°	4744.9	4728.5	4738.3	4649.3	4646.0	4669.1	4646.0	4649.3	4731.8	4725.2	4688.9
50°	5493.4	5539.6	5552.8	5509.9	5457.2	5447.3	5411.0	5457.2	5506.6	5509.9	5480.3
52.5°	6528.8	6578.3	6578.3	6591.5	6657.4	6624.5	6617.9	6621.2	6525.5	6459.6	6492.6
55°	7834.6	7851.1	7907.1	8022.5	8223.7	8250.1	8124.8	8068.7	7893.9	7788.4	7870.9
57.5°	9123.9	9189.8	9344.8	9644.9	9892.2	10162.5	9799.8	9430.5	9087.6	8919.4	8949.1
60°	10195.5	10291.1	10587.9	11006.7	11692.5	11939.8	11326.5	10693.4	9997.7	9483.3	9691.0
62.5°	10700.0	10848.4	11099.0	11946.4	12975.2	13331.3	12431.2	11280.4	10225.2	9730.6	9720.7
64°	10703.3	10726.4	11227.6	12141.0	13199.4	13888.6	12698.2	11280.4	10281.3	9671.2	9783.3
65°	10482.4	10578.0	11062.7	11962.9	13057.7	13934.8	12605.9	11125.4	10050.4	9575.6	9628.4
67.5°	9480.0	9476.7	9925.1	10818.7	12338.8	13410.5	11821.1	10258.2	9480.0	8965.6	9028.2
70°	7191.6	7307.0	7735.7	8833.7	10676.9	11824.4	10337.3	8718.3	7748.9	7336.7	7313.6
72.5°	4303.1	4454.8	5002.1	6340.9	8292.9	9687.7	8203.9	6449.7	5282.4	4629.5	4646.0
75°	1961.9	2074.1	2450.0	3541.4	5526.4	7082.8	5559.4	3729.3	2674.2	2258.7	2199.4
77.5°	550.7	619.9	827.6	1625.6	3033.6	4247.0	3119.3	1797.1	1167.3	969.4	949.6
80°	247.3	260.5	293.5	395.7	962.8	1872.9	1289.3	659.5	438.6	362.7	346.2
82.5°	135.2	145.1	191.2	204.4	273.7	497.9	425.4	310.0	263.8	211.0	204.4
85°	75.8	79.1	108.8	108.8	131.9	145.1	155.0	164.9	161.6	118.7	115.4
87.5°	23.1	26.4	33.0	33.0	33.0	33.0	52.8	72.5	79.1	56.1	56.1
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)