

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: P479700

Luminaire Tested: **IFLD-M-SA4D-735-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479700  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4D-735-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (64) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

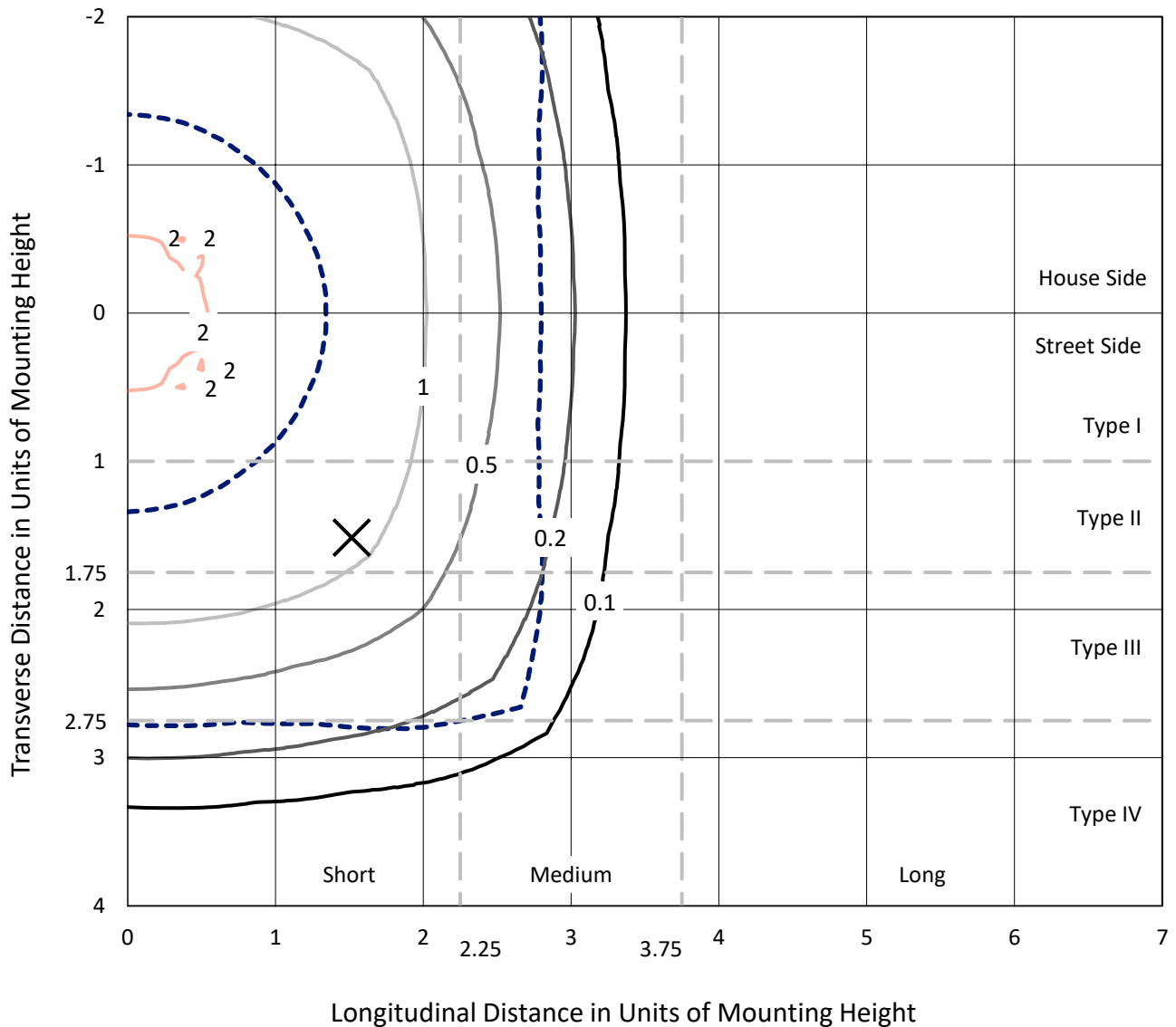
Lumens per Lamp: N/A  
Luminaire Lumens: 31663.5 lumens  
Efficiency: N/A  
Efficacy: 126.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 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

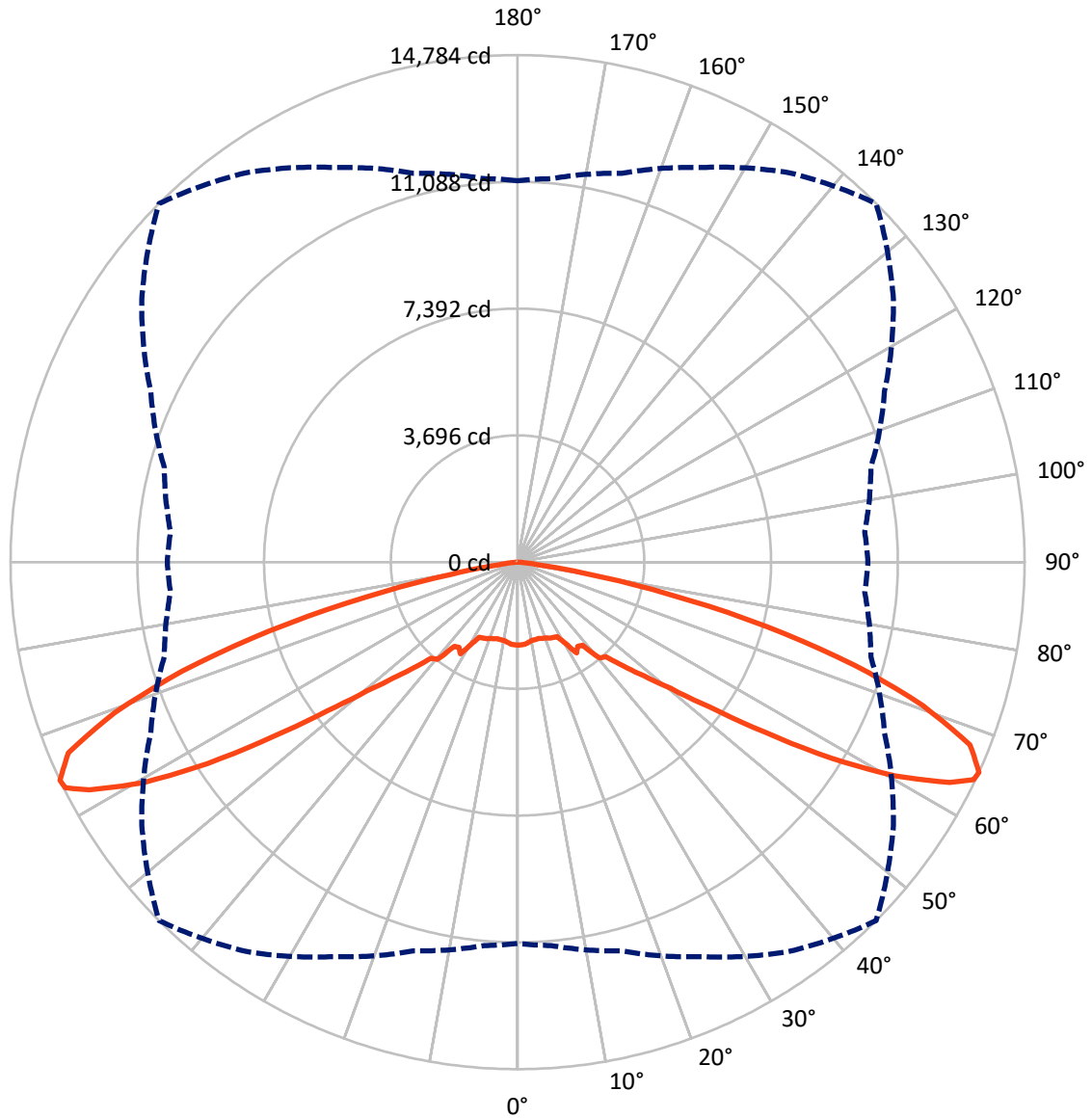
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.7 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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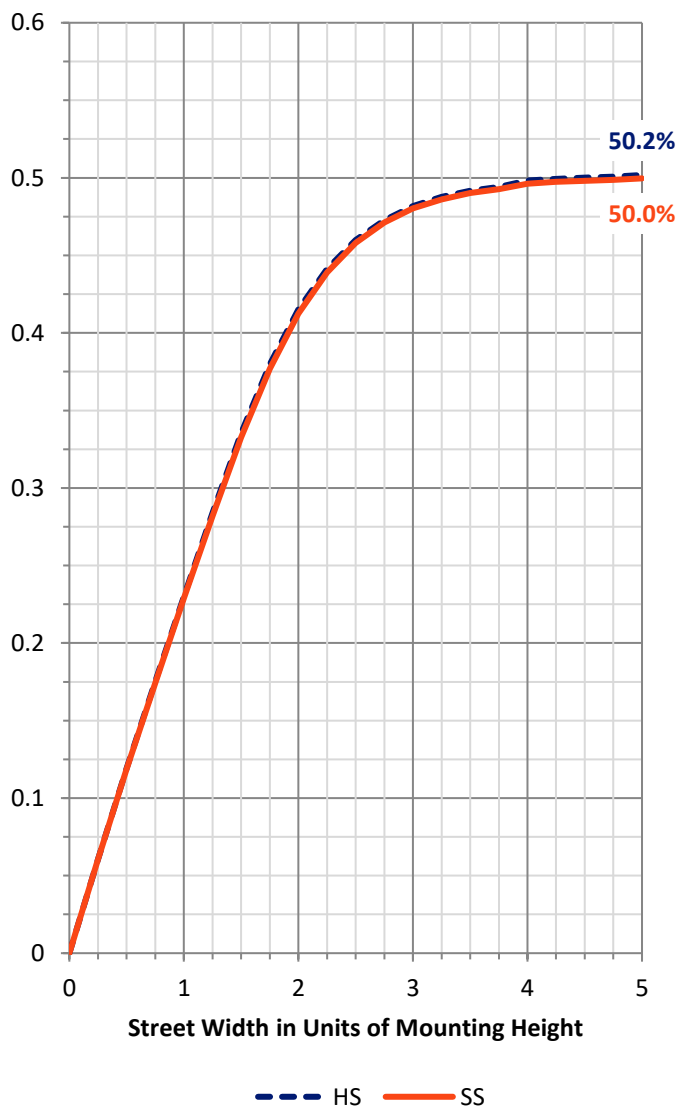
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15831.7	0.0	15831.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15831.7	0.0	15831.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31663.5	0.0	31663.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.2	0.7
10°-20°	667.3	2.1
20°-30°	1155.1	3.6
30°-40°	1920.7	6.1
40°-50°	3465.3	10.9
50°-60°	7719.5	24.4
60°-70°	11504.6	36.3
70°-80°	4767.6	15.1
80°-90°	236.1	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°	31663.5	100.0
0°-180°	31663.5	100.0

**Coefficient of Utilization**



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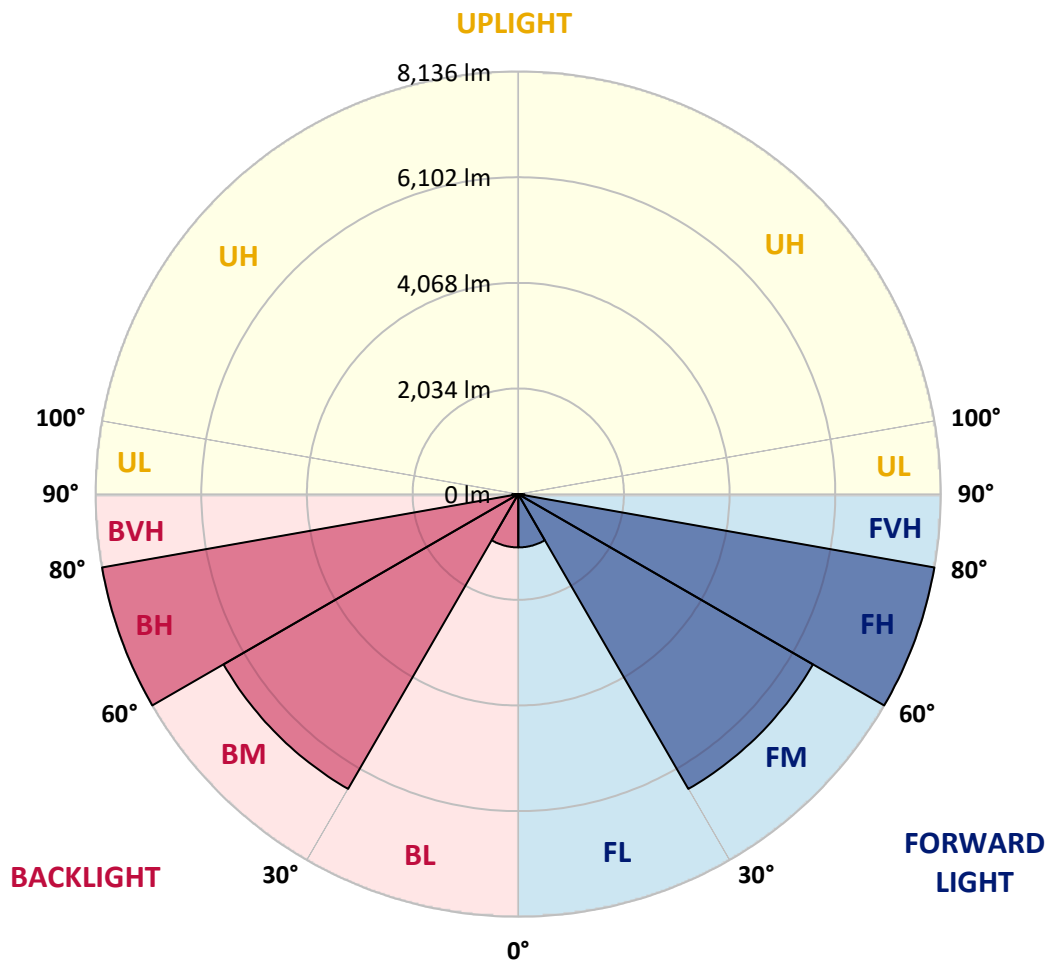
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1024.8	3.2			
FM (30°-60°)	6552.8	20.7			
FH (60°-80°)	8136.1	25.7			G4/12000
FVH (80°-90°)	118.1	0.4			G2/225
BL (0°-30°)	1024.8	3.2	B3/2500		
BM (30°-60°)	6552.8	20.7	B4/8500		
BH (60°-80°)	8136.1	25.7	B5		G4/12000
BVH (80°-90°)	118.1	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°	2420.9	2420.9	2420.9	2420.9	2420.9	2420.9	2420.9	2420.9	2420.9	2420.9	2420.9
2.5°	2392.9	2399.9	2396.4	2396.4	2406.9	2413.9	2417.4	2452.4	2438.4	2448.9	2438.4
5°	2399.9	2399.9	2406.9	2399.9	2406.9	2399.9	2406.9	2396.4	2406.9	2413.9	2424.4
7.5°	2385.9	2378.9	2368.4	2368.4	2364.9	2357.9	2347.4	2375.4	2361.4	2371.9	2389.4
10°	2389.4	2378.9	2343.9	2350.9	2319.4	2319.4	2326.4	2326.4	2357.9	2392.9	2403.4
12.5°	2389.4	2368.4	2357.9	2312.4	2312.4	2315.9	2333.4	2340.4	2361.4	2375.4	2410.4
15°	2389.4	2378.9	2361.4	2301.9	2315.9	2308.9	2326.4	2326.4	2371.9	2396.4	2413.9
17.5°	2403.4	2410.4	2378.9	2322.9	2326.4	2340.4	2329.9	2340.4	2396.4	2413.9	2438.4
20°	2406.9	2378.9	2368.4	2333.4	2364.9	2357.9	2354.4	2375.4	2392.9	2424.4	2452.4
22.5°	2399.9	2410.4	2368.4	2364.9	2392.9	2406.9	2413.9	2389.4	2410.4	2431.4	2455.8
25°	2459.3	2420.9	2410.4	2403.4	2417.4	2431.4	2424.4	2445.4	2445.4	2469.8	2501.3
27.5°	2620.3	2623.8	2602.8	2518.8	2490.8	2459.3	2473.3	2529.3	2595.8	2648.3	2658.8
30°	2693.7	2707.7	2763.7	2749.7	2739.2	2749.7	2746.2	2760.2	2767.2	2770.7	2760.2
32.5°	2760.2	2753.2	2728.7	2791.7	2998.1	3155.5	3005.1	2798.7	2753.2	2739.2	2753.2
35°	3001.6	3001.6	2949.1	2868.7	2977.1	3015.6	2945.6	2847.7	2903.6	3019.1	3026.1
37.5°	3312.9	3267.5	3288.5	3278.0	3159.0	3075.1	3197.5	3260.5	3271.0	3267.5	3302.5
40°	3498.4	3466.9	3435.4	3491.4	3599.8	3676.8	3568.3	3417.9	3456.4	3533.3	3501.9
42.5°	3921.7	3841.2	3848.2	3792.2	3788.7	3764.2	3739.7	3750.2	3806.2	3893.7	3907.7
45°	4355.5	4393.9	4369.5	4264.5	4313.5	4313.5	4243.5	4296.0	4324.0	4425.4	4439.4
47.5°	5034.1	5016.6	5027.1	4932.7	4929.2	4953.7	4929.2	4932.7	5020.1	5013.2	4974.7
50°	5828.3	5877.2	5891.2	5845.8	5789.8	5779.3	5740.8	5789.8	5842.3	5845.8	5814.3
52.5°	6926.8	6979.2	6979.2	6993.2	7063.2	7028.2	7021.2	7024.7	6923.3	6853.3	6888.3
55°	8312.1	8329.6	8389.1	8511.5	8724.9	8752.9	8620.0	8560.5	8375.1	8263.1	8350.6
57.5°	9680.0	9749.9	9914.4	10232.7	10495.1	10781.9	10397.1	10005.3	9641.5	9463.1	9494.6
60°	10816.9	10918.4	11233.2	11677.5	12405.2	12667.6	12016.9	11345.2	10607.0	10061.3	10281.7
62.5°	11352.2	11509.6	11775.5	12674.6	13766.1	14143.9	13188.8	11967.9	10848.4	10323.7	10313.2
64°	11355.7	11380.2	11911.9	12881.0	14003.9	14735.1	13472.2	11967.9	10907.9	10260.7	10379.6
65°	11121.3	11222.7	11737.0	12692.1	13853.5	14784.1	13374.2	11803.5	10663.0	10159.2	10215.2
67.5°	10057.8	10054.3	10530.1	11478.1	13090.9	14227.8	12541.6	10883.4	10057.8	9512.0	9578.5
70°	7629.9	7752.4	8207.2	9372.1	11327.7	12545.1	10967.4	9249.7	8221.1	7783.9	7759.4
72.5°	4565.4	4726.3	5307.0	6727.3	8798.4	10278.2	8703.9	6842.8	5604.4	4911.7	4929.2
75°	2081.5	2200.5	2599.3	3757.2	5863.3	7514.5	5898.2	3956.6	2837.2	2396.4	2333.4
77.5°	584.2	657.7	878.1	1724.7	3218.5	4505.9	3309.4	1906.6	1238.4	1028.5	1007.5
80°	262.4	276.4	311.4	419.8	1021.5	1987.1	1367.9	699.7	465.3	384.8	367.3
82.5°	143.4	153.9	202.9	216.9	290.4	528.3	451.3	328.8	279.9	223.9	216.9
85°	80.5	84.0	115.4	115.4	139.9	153.9	164.4	174.9	171.4	125.9	122.4
87.5°	24.5	28.0	35.0	35.0	35.0	35.0	56.0	77.0	84.0	59.5	59.5
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)