

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: P479699

Luminaire Tested: **IFLD-M-SA4C-735-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479699
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-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

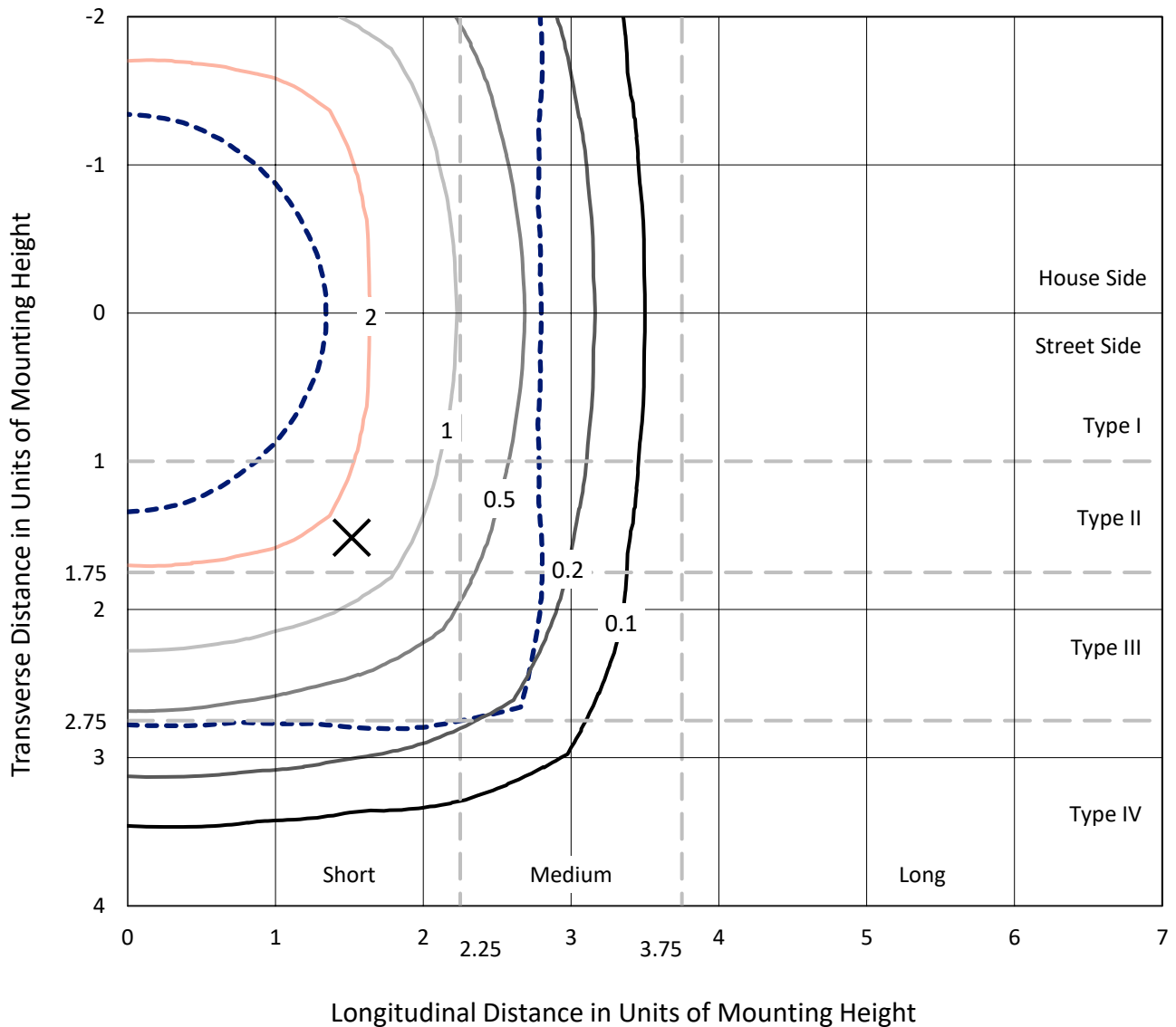
Lumens per Lamp: N/A
Luminaire Lumens: 28776.6 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

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

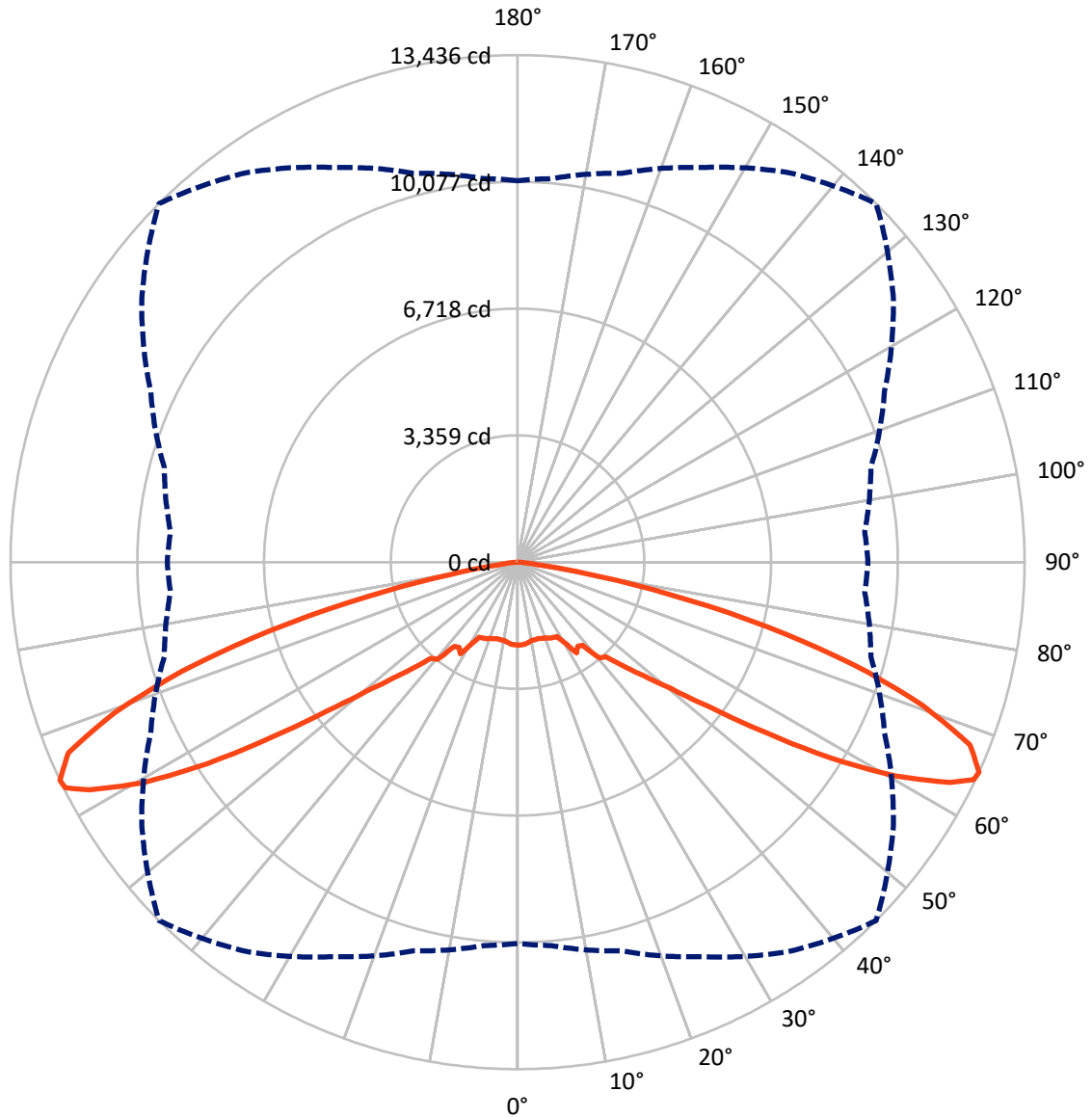
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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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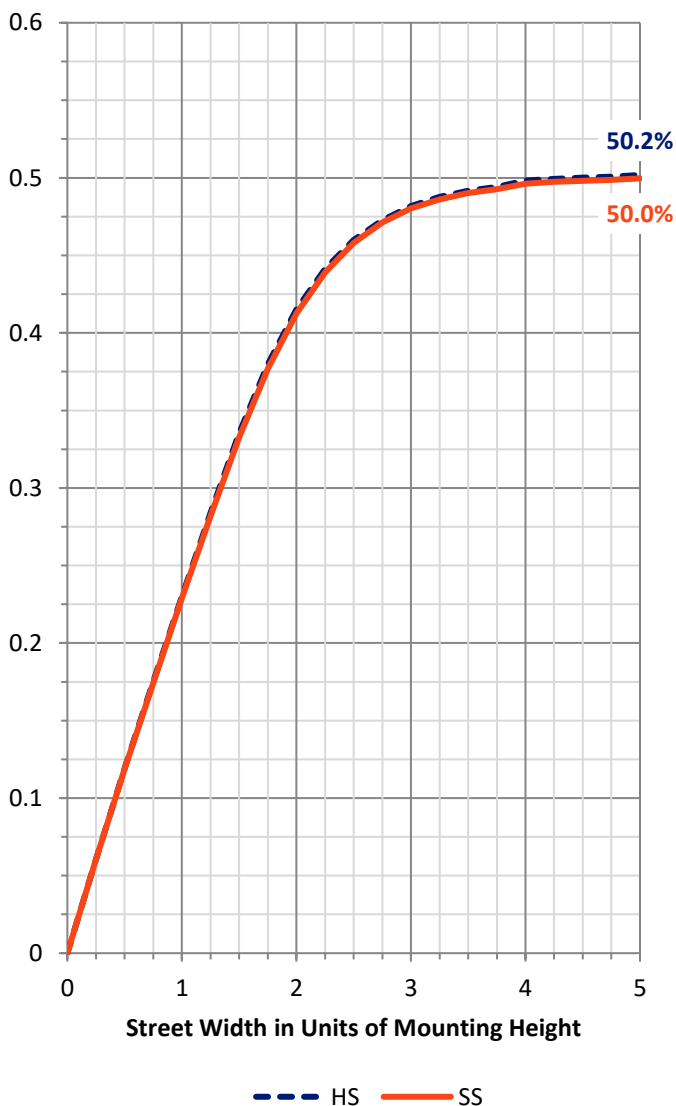
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14388.3	0.0	14388.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14388.3	0.0	14388.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	28776.6	0.0	28776.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.5	0.7
10°-20°	606.5	2.1
20°-30°	1049.8	3.6
30°-40°	1745.6	6.1
40°-50°	3149.3	10.9
50°-60°	7015.7	24.4
60°-70°	10455.6	36.3
70°-80°	4332.9	15.1
80°-90°	214.6	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°	28776.6	100.0
0°-180°	28776.6	100.0

Coefficient of Utilization



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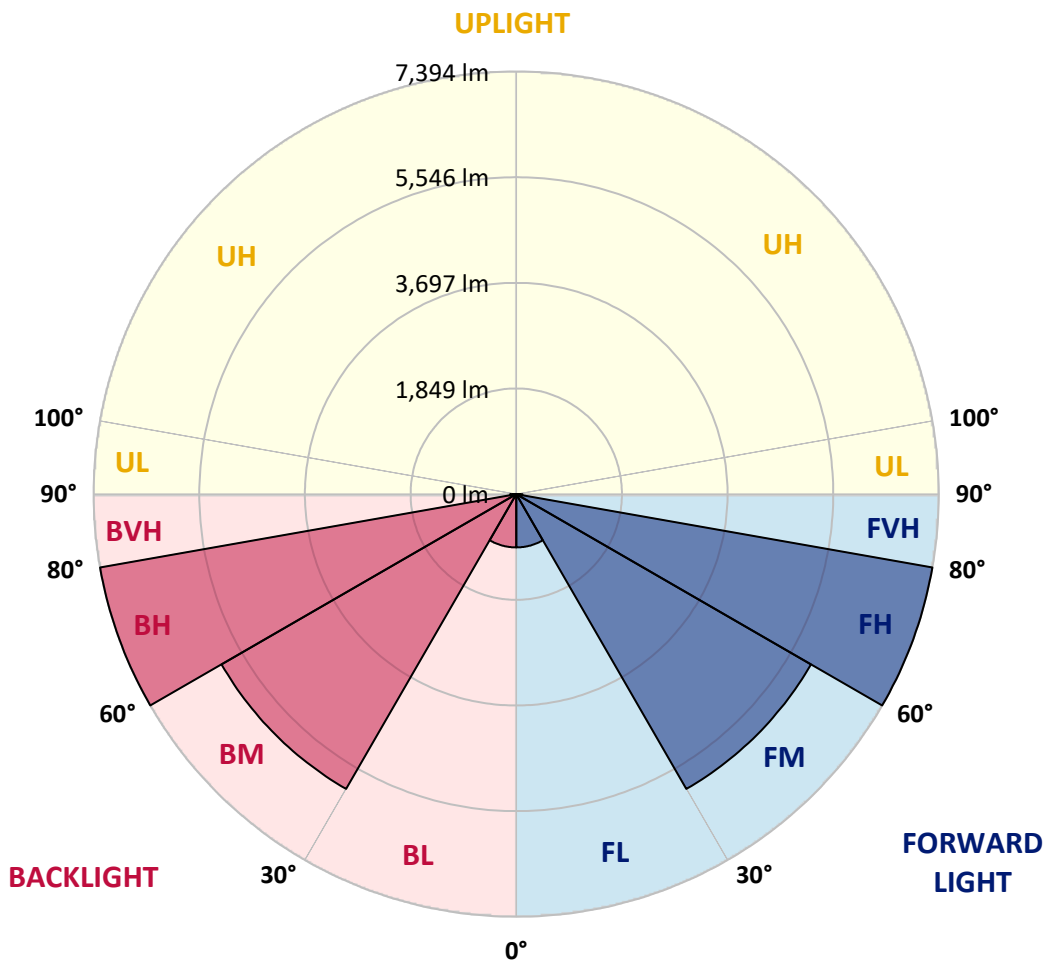
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	931.4	3.2			
FM (30°-60°)	5955.3	20.7			
FH (60°-80°)	7394.3	25.7			G3/7500
FVH (80°-90°)	107.3	0.4			G2/225
BL (0°-30°)	931.4	3.2	B2/1000		
BM (30°-60°)	5955.3	20.7	B4/8500		
BH (60°-80°)	7394.3	25.7	B5		G3/7500
BVH (80°-90°)	107.3	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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2200.1	2200.1	2200.1	2200.1	2200.1	2200.1	2200.1	2200.1	2200.1	2200.1	2200.1
2.5°	2174.7	2181.1	2177.9	2177.9	2187.4	2193.8	2197.0	2228.8	2216.0	2225.6	2216.0
5°	2181.1	2181.1	2187.4	2181.1	2187.4	2181.1	2187.4	2177.9	2187.4	2193.8	2203.3
7.5°	2168.4	2162.0	2152.5	2152.5	2149.3	2142.9	2133.4	2158.8	2146.1	2155.6	2171.5
10°	2171.5	2162.0	2130.2	2136.6	2107.9	2107.9	2114.3	2114.3	2142.9	2174.7	2184.3
12.5°	2171.5	2152.5	2142.9	2101.6	2101.6	2104.8	2120.7	2127.0	2146.1	2158.8	2190.6
15°	2171.5	2162.0	2146.1	2092.0	2104.8	2098.4	2114.3	2114.3	2155.6	2177.9	2193.8
17.5°	2184.3	2190.6	2162.0	2111.1	2114.3	2127.0	2117.5	2127.0	2177.9	2193.8	2216.0
20°	2187.4	2162.0	2152.5	2120.7	2149.3	2142.9	2139.7	2158.8	2174.7	2203.3	2228.8
22.5°	2181.1	2190.6	2152.5	2149.3	2174.7	2187.4	2193.8	2171.5	2190.6	2209.7	2231.9
25°	2235.1	2200.1	2190.6	2184.3	2197.0	2209.7	2203.3	2222.4	2222.4	2244.7	2273.3
27.5°	2381.4	2384.6	2365.5	2289.2	2263.7	2235.1	2247.8	2298.7	2359.1	2406.8	2416.3
30°	2448.1	2460.9	2511.7	2499.0	2489.5	2499.0	2495.8	2508.6	2514.9	2518.1	2508.6
32.5°	2508.6	2502.2	2479.9	2537.2	2724.8	2867.8	2731.1	2543.5	2502.2	2489.5	2502.2
35°	2727.9	2727.9	2680.2	2607.1	2705.7	2740.6	2677.1	2588.0	2638.9	2743.8	2750.2
37.5°	3010.9	2969.6	2988.6	2979.1	2871.0	2794.7	2906.0	2963.2	2972.7	2969.6	3001.4
40°	3179.4	3150.8	3122.2	3173.0	3271.6	3341.6	3243.0	3106.3	3141.3	3211.2	3182.6
42.5°	3564.1	3491.0	3497.3	3446.5	3443.3	3421.0	3398.8	3408.3	3459.2	3538.7	3551.4
45°	3958.4	3993.3	3971.1	3875.7	3920.2	3920.2	3856.6	3904.3	3929.7	4021.9	4034.7
47.5°	4575.2	4559.3	4568.8	4483.0	4479.8	4502.0	4479.8	4483.0	4562.4	4556.1	4521.1
50°	5296.9	5341.4	5354.1	5312.8	5261.9	5252.4	5217.4	5261.9	5309.6	5312.8	5284.2
52.5°	6295.2	6342.9	6342.9	6355.6	6419.2	6387.4	6381.1	6384.2	6292.0	6228.5	6260.2
55°	7554.3	7570.2	7624.2	7735.5	7929.4	7954.9	7834.1	7780.0	7611.5	7509.8	7589.2
57.5°	8797.4	8861.0	9010.4	9299.8	9538.2	9798.9	9449.2	9093.1	8762.4	8600.3	8628.9
60°	9830.7	9922.9	10209.1	10612.9	11274.2	11512.6	10921.3	10310.8	9640.0	9144.0	9344.3
62.5°	10317.2	10460.2	10701.9	11519.0	12511.0	12854.3	11986.4	10876.7	9859.3	9382.4	9372.9
64°	10320.3	10342.6	10825.9	11706.6	12727.2	13391.7	12243.9	10876.7	9913.4	9325.2	9433.3
65°	10107.3	10199.5	10666.9	11534.9	12590.4	13436.2	12154.9	10727.3	9690.8	9233.0	9283.9
67.5°	9140.8	9137.6	9570.0	10431.6	11897.3	12930.6	11398.2	9891.1	9140.8	8644.8	8705.2
70°	6934.3	7045.6	7458.9	8517.6	10294.9	11401.3	9967.4	8406.3	7471.6	7074.2	7051.9
72.5°	4149.1	4295.4	4823.2	6114.0	7996.2	9341.1	7910.4	6218.9	5093.4	4463.9	4479.8
75°	1891.7	1999.8	2362.3	3414.7	5328.7	6829.4	5360.5	3595.9	2578.5	2177.9	2120.7
77.5°	531.0	597.7	798.0	1567.4	2925.1	4095.1	3007.7	1732.8	1125.5	934.7	915.7
80°	238.5	251.2	283.0	381.5	928.4	1805.9	1243.1	635.9	422.9	349.7	333.8
82.5°	130.4	139.9	184.4	197.1	263.9	480.1	410.1	298.9	254.4	203.5	197.1
85°	73.1	76.3	104.9	104.9	127.2	139.9	149.4	159.0	155.8	114.5	111.3
87.5°	22.3	25.4	31.8	31.8	31.8	31.8	50.9	69.9	76.3	54.0	54.0
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)