

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: P479592

Luminaire Tested: **IFLD-L-SA8C-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479592
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

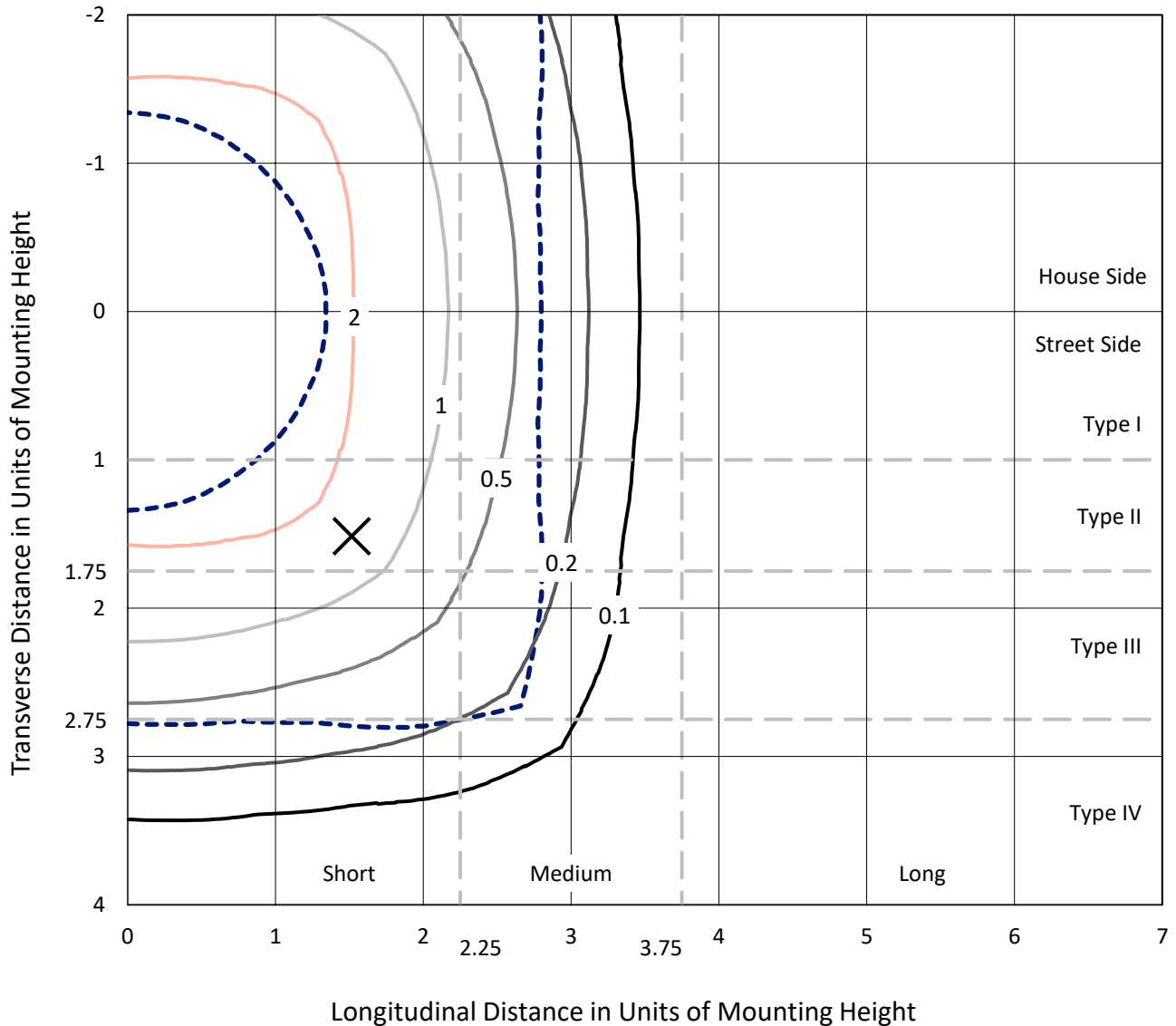
Lumens per Lamp: N/A
Luminaire Lumens: 38296.5 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 420.3
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

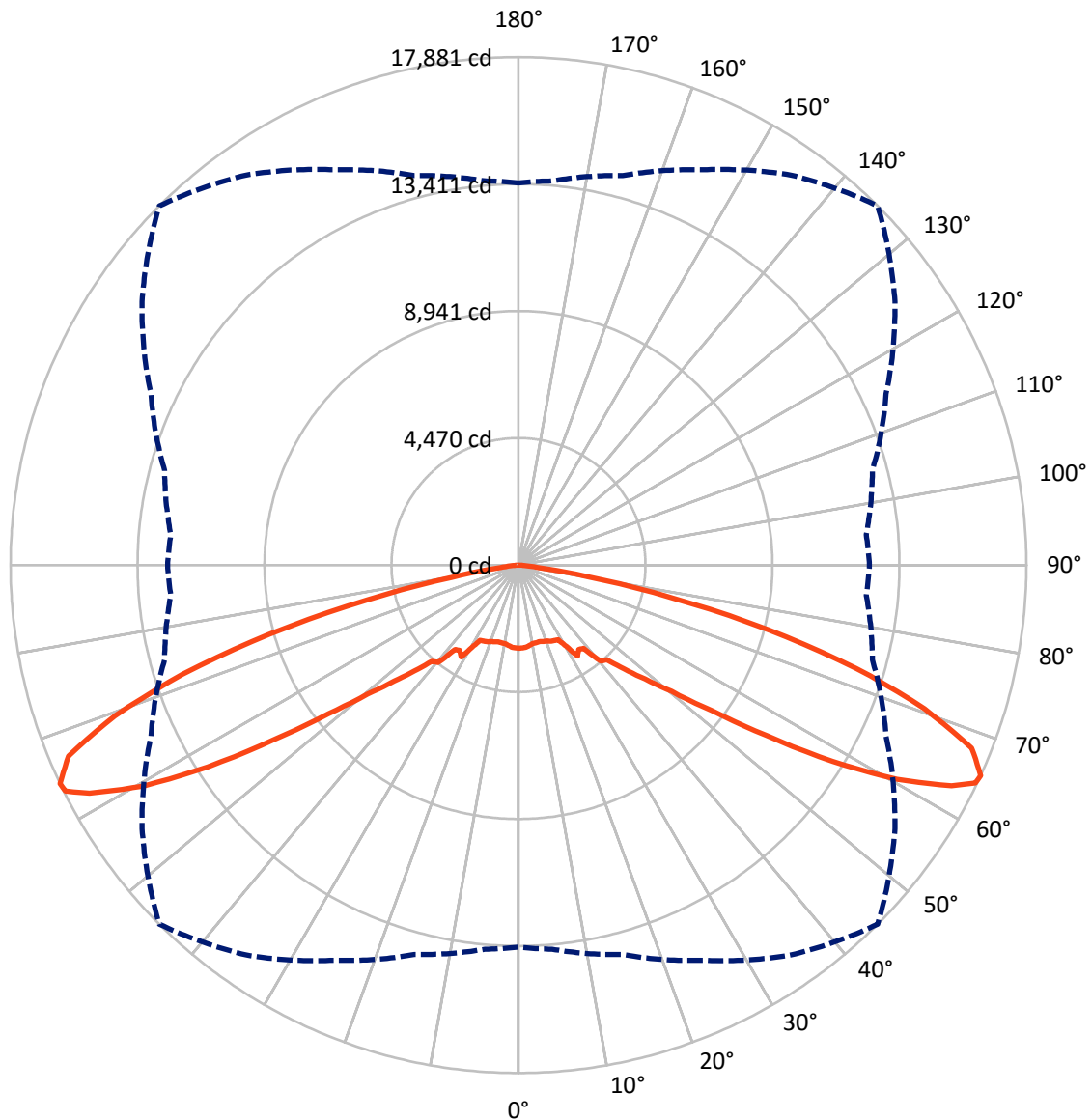
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.3 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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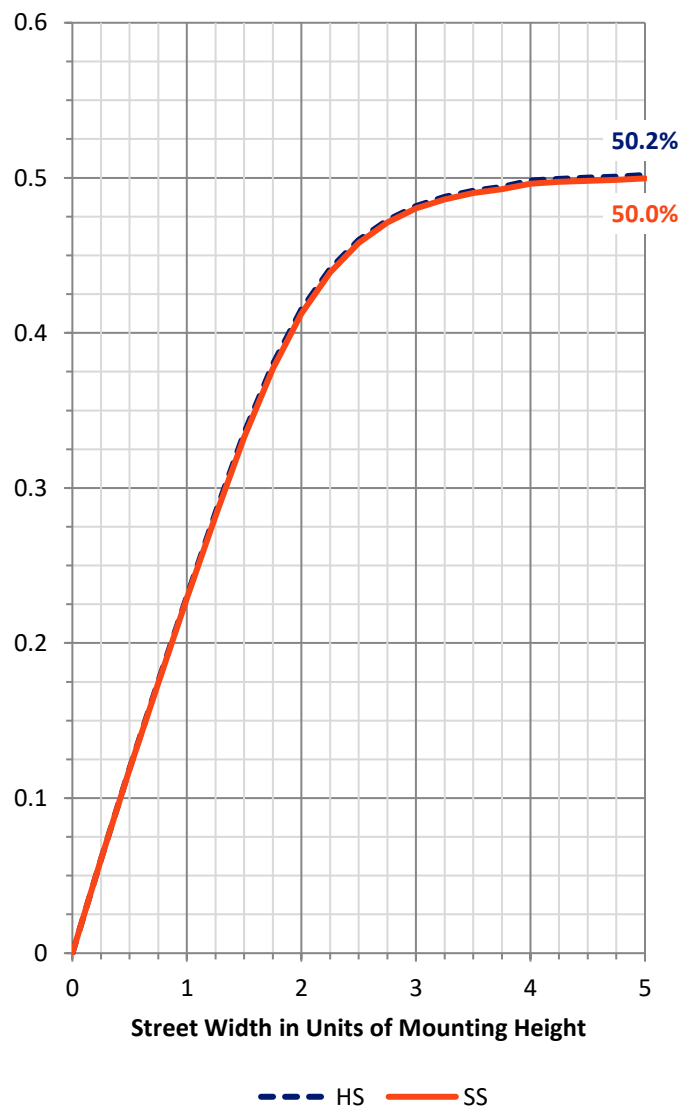
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19148.2	0.0	19148.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19148.2	0.0	19148.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	38296.5	0.0	38296.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.8	0.7
10°-20°	807.1	2.1
20°-30°	1397.1	3.6
30°-40°	2323.1	6.1
40°-50°	4191.2	10.9
50°-60°	9336.6	24.4
60°-70°	13914.6	36.3
70°-80°	5766.4	15.1
80°-90°	285.6	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°	38296.5	100.0
0°-180°	38296.5	100.0

Coefficient of Utilization



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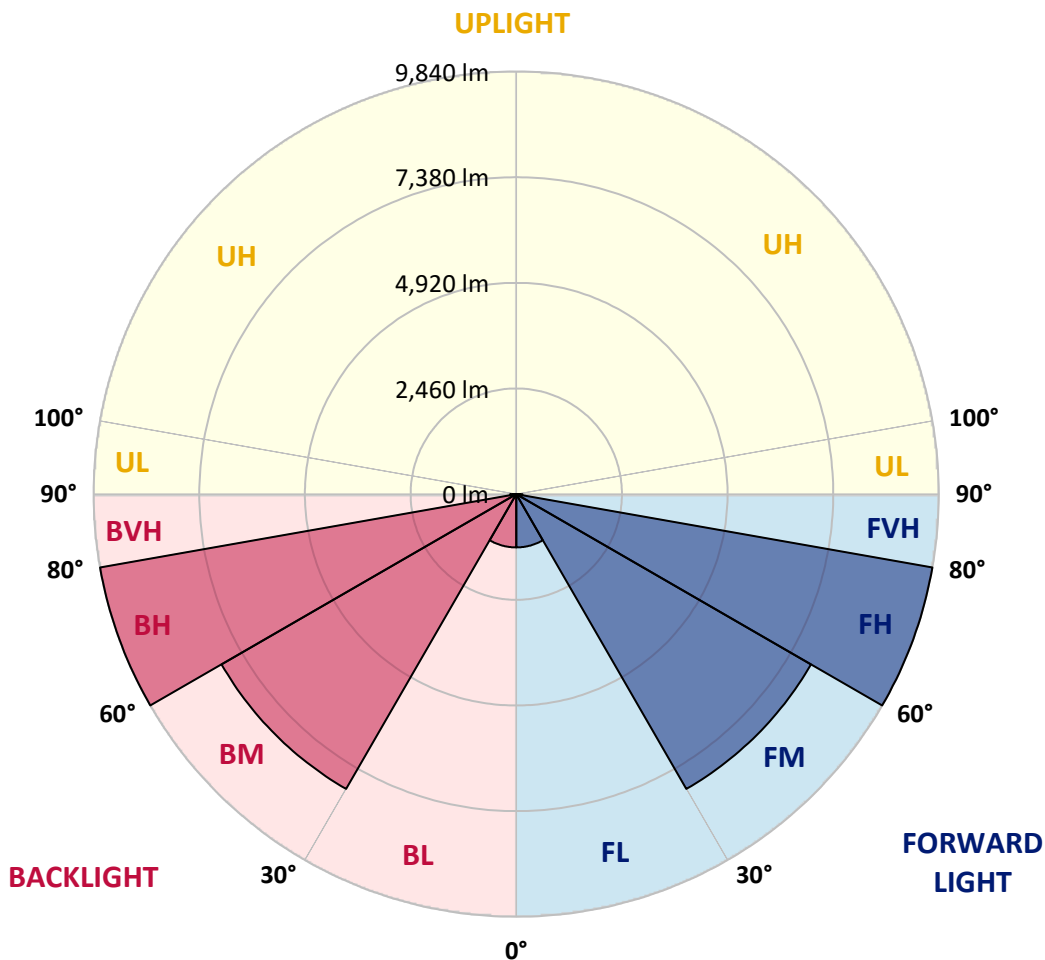
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1239.5	3.2			
FM (30°-60°)	7925.5	20.7			
FH (60°-80°)	9840.5	25.7			G4/12000
FVH (80°-90°)	142.8	0.4			G2/225
BL (0°-30°)	1239.5	3.2	B3/2500		
BM (30°-60°)	7925.5	20.7	B4/8500		
BH (60°-80°)	9840.5	25.7	B5		G4/12000
BVH (80°-90°)	142.8	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°	2928.0	2928.0	2928.0	2928.0	2928.0	2928.0	2928.0	2928.0	2928.0	2928.0	2928.0
2.5°	2894.2	2902.6	2898.4	2898.4	2911.1	2919.5	2923.8	2966.1	2949.2	2961.9	2949.2
5°	2902.6	2902.6	2911.1	2902.6	2911.1	2902.6	2911.1	2898.4	2911.1	2919.5	2932.2
7.5°	2885.7	2877.2	2864.5	2864.5	2860.3	2851.8	2839.1	2873.0	2856.1	2868.8	2889.9
10°	2889.9	2877.2	2834.9	2843.4	2805.3	2805.3	2813.8	2813.8	2851.8	2894.2	2906.8
12.5°	2889.9	2864.5	2851.8	2796.8	2796.8	2801.1	2822.2	2830.7	2856.1	2873.0	2915.3
15°	2889.9	2877.2	2856.1	2784.1	2801.1	2792.6	2813.8	2813.8	2868.8	2898.4	2919.5
17.5°	2906.8	2915.3	2877.2	2809.5	2813.8	2830.7	2818.0	2830.7	2898.4	2919.5	2949.2
20°	2911.1	2877.2	2864.5	2822.2	2860.3	2851.8	2847.6	2873.0	2894.2	2932.2	2966.1
22.5°	2902.6	2915.3	2864.5	2860.3	2894.2	2911.1	2919.5	2889.9	2915.3	2940.7	2970.3
25°	2974.5	2928.0	2915.3	2906.8	2923.8	2940.7	2932.2	2957.6	2957.6	2987.2	3025.3
27.5°	3169.2	3173.4	3148.0	3046.5	3012.6	2974.5	2991.5	3059.2	3139.6	3203.0	3215.7
30°	3258.0	3275.0	3342.7	3325.7	3313.0	3325.7	3321.5	3338.4	3346.9	3351.1	3338.4
32.5°	3338.4	3330.0	3300.3	3376.5	3626.2	3816.6	3634.6	3385.0	3330.0	3313.0	3330.0
35°	3630.4	3630.4	3566.9	3469.6	3600.8	3647.3	3562.7	3444.2	3511.9	3651.5	3660.0
37.5°	4007.0	3952.0	3977.3	3964.7	3820.8	3719.2	3867.3	3943.5	3956.2	3952.0	3994.3
40°	4231.2	4193.1	4155.1	4222.8	4353.9	4447.0	4315.8	4133.9	4180.4	4273.5	4235.4
42.5°	4743.2	4645.9	4654.3	4586.6	4582.4	4552.8	4523.2	4535.9	4603.6	4709.3	4726.3
45°	5267.9	5314.4	5284.8	5157.9	5217.1	5217.1	5132.5	5195.9	5229.8	5352.5	5369.4
47.5°	6088.7	6067.6	6080.3	5966.0	5961.8	5991.4	5961.8	5966.0	6071.8	6063.3	6016.8
50°	7049.2	7108.4	7125.4	7070.4	7002.7	6990.0	6943.4	7002.7	7066.1	7070.4	7032.3
52.5°	8377.8	8441.3	8441.3	8458.2	8542.8	8500.5	8492.1	8496.3	8373.6	8289.0	8331.3
55°	10053.4	10074.5	10146.5	10294.6	10552.7	10586.5	10425.7	10353.8	10129.5	9994.1	10099.9
57.5°	11707.8	11792.4	11991.3	12376.3	12693.7	13040.6	12575.2	12101.3	11661.2	11445.4	11483.5
60°	13082.9	13205.6	13586.4	14123.8	15003.9	15321.2	14534.2	13721.8	12829.0	12169.0	12435.5
62.5°	13730.3	13920.7	14242.3	15329.7	16649.8	17106.8	15951.7	14475.0	13121.0	12486.3	12473.6
64°	13734.5	13764.1	14407.3	15579.3	16937.6	17821.9	16294.4	14475.0	13192.9	12410.2	12554.0
65°	13451.0	13573.7	14195.7	15350.9	16755.6	17881.1	16175.9	14276.1	12896.7	12287.5	12355.2
67.5°	12164.7	12160.5	12736.0	13882.6	15833.2	17208.4	15168.9	13163.3	12164.7	11504.7	11585.1
70°	9228.3	9376.4	9926.4	11335.4	13700.7	15173.1	13264.9	11187.3	9943.4	9414.5	9384.8
72.5°	5521.7	5716.4	6418.8	8136.6	10641.5	12431.3	10527.3	8276.3	6778.4	5940.6	5961.8
75°	2517.6	2661.4	3143.8	4544.3	7091.5	9088.7	7133.8	4785.5	3431.5	2898.4	2822.2
77.5°	706.6	795.5	1062.0	2086.0	3892.7	5449.8	4002.7	2306.0	1497.9	1244.0	1218.6
80°	317.3	334.3	376.6	507.7	1235.5	2403.3	1654.4	846.2	562.8	465.4	444.3
82.5°	173.5	186.2	245.4	262.3	351.2	638.9	545.8	397.7	338.5	270.8	262.3
85°	97.3	101.5	139.6	139.6	169.2	186.2	198.9	211.6	207.3	152.3	148.1
87.5°	29.6	33.8	42.3	42.3	42.3	42.3	67.7	93.1	101.5	71.9	71.9
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)