

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: P479577

Luminaire Tested: **IFLD-S-SA6C-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479577
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

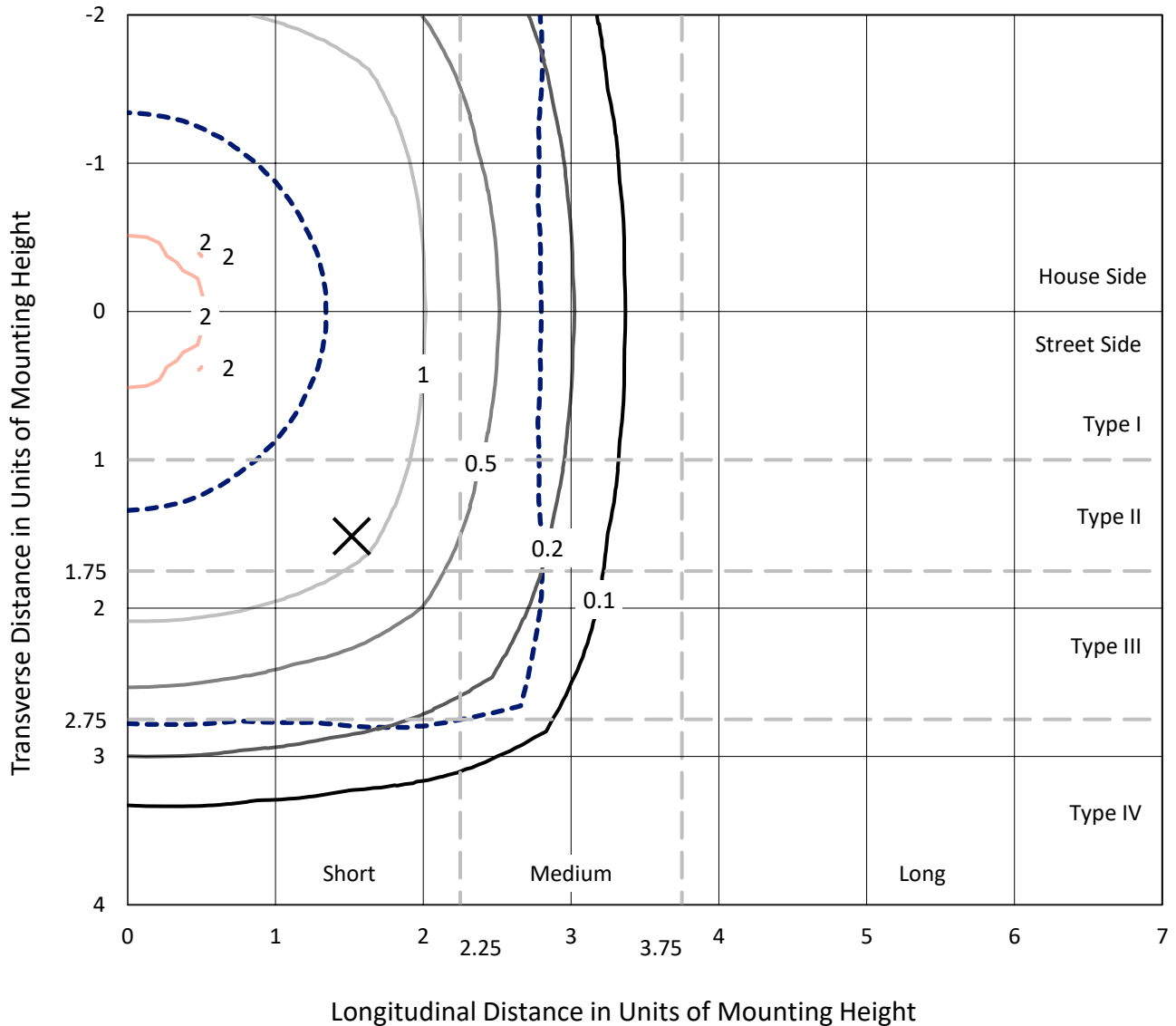
Lumens per Lamp: N/A
Luminaire Lumens: 31408.7 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 321.5
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

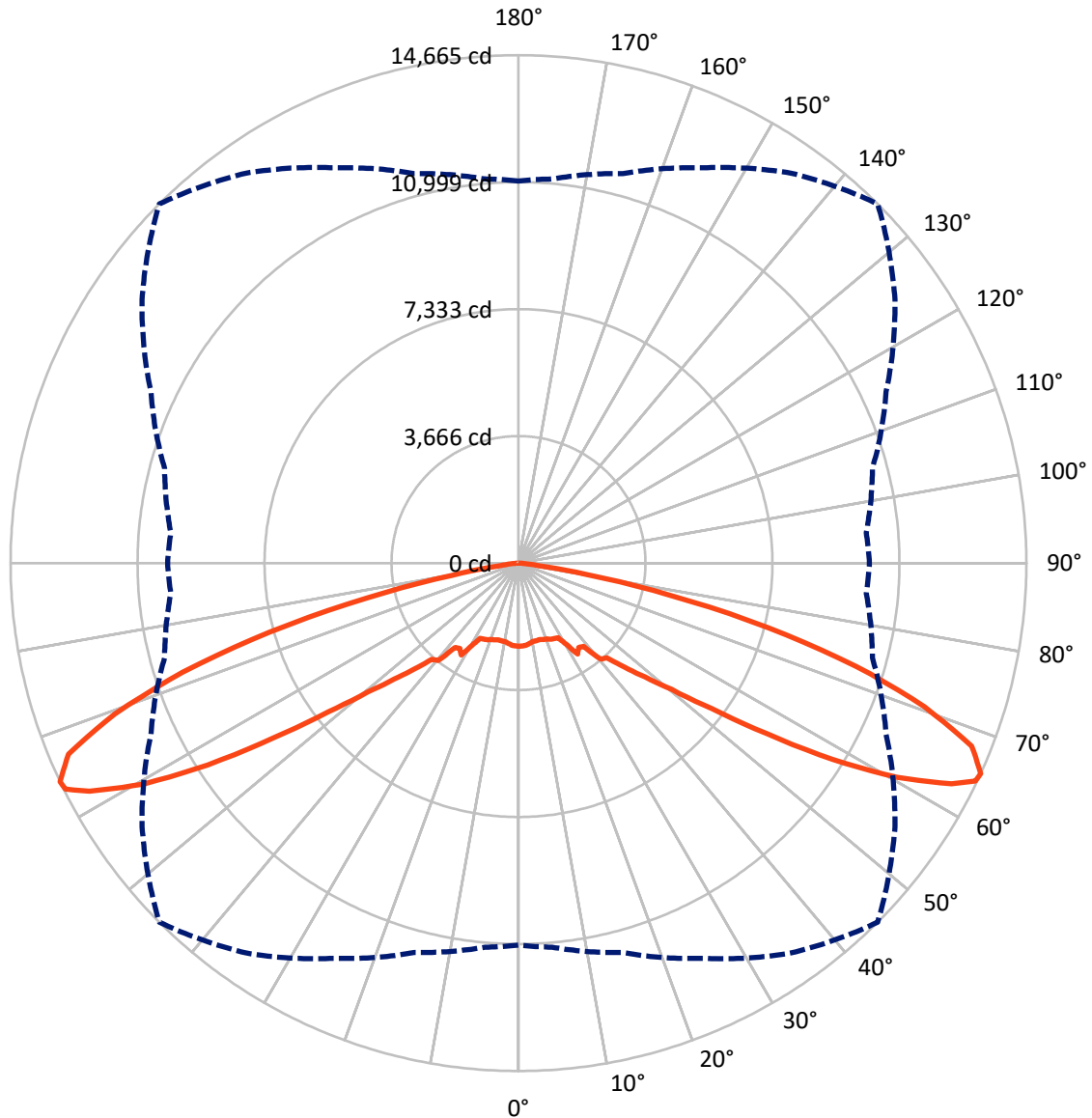
✕ Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	15704.3	0.0	15704.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15704.3	0.0	15704.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	31408.7	0.0	31408.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.4	0.7
10°-20°	662.0	2.1
20°-30°	1145.8	3.6
30°-40°	1905.3	6.1
40°-50°	3437.4	10.9
50°-60°	7657.4	24.4
60°-70°	11412.0	36.3
70°-80°	4729.3	15.1
80°-90°	234.2	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°	31408.7	100.0
0°-180°	31408.7	100.0

Coefficient of Utilization



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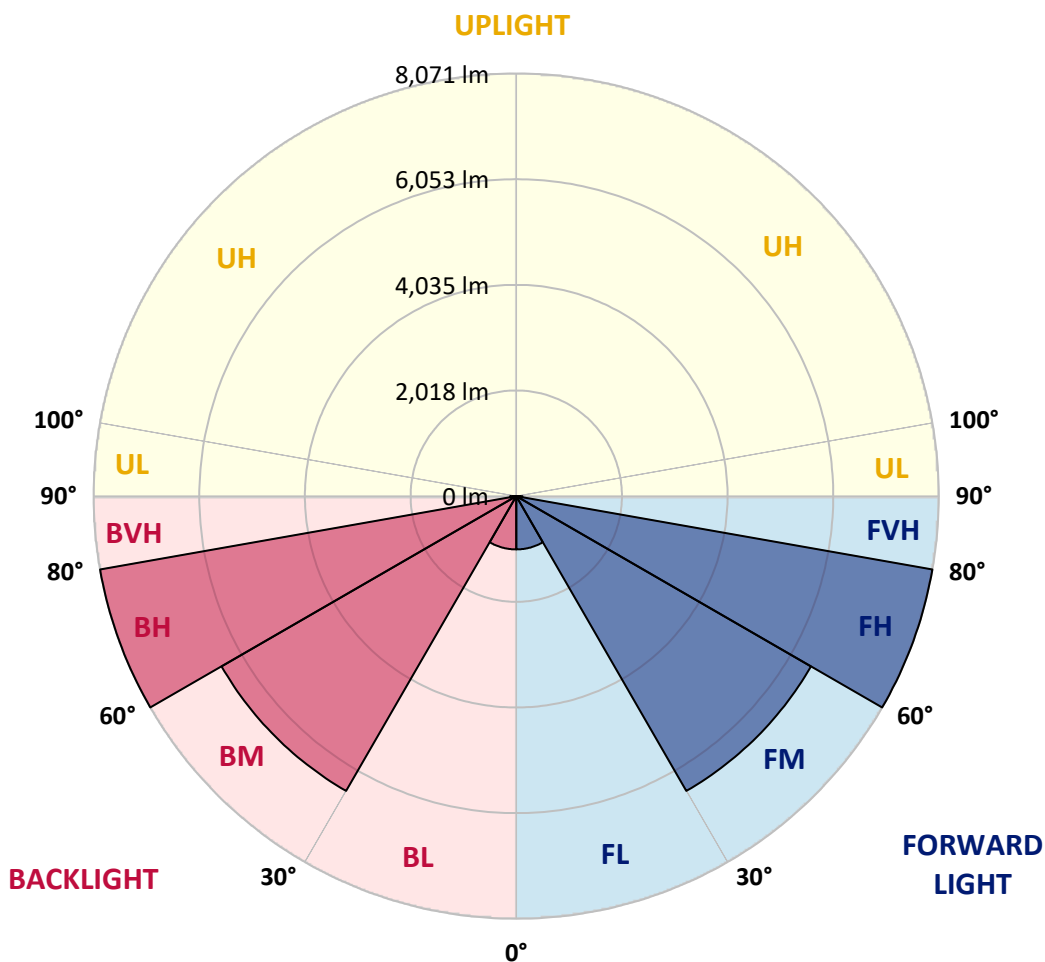
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1016.6	3.2			
FM (30°-60°)	6500.0	20.7			
FH (60°-80°)	8070.6	25.7			G4/12000
FVH (80°-90°)	117.1	0.4			G2/225
BL (0°-30°)	1016.6	3.2	B3/2500		
BM (30°-60°)	6500.0	20.7	B4/8500		
BH (60°-80°)	8070.6	25.7	B5		G4/12000
BVH (80°-90°)	117.1	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°	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4
2.5°	2373.6	2380.6	2377.1	2377.1	2387.5	2394.4	2397.9	2432.6	2418.7	2429.1	2418.7
5°	2380.6	2380.6	2387.5	2380.6	2387.5	2380.6	2387.5	2377.1	2387.5	2394.4	2404.9
7.5°	2366.7	2359.7	2349.3	2349.3	2345.9	2338.9	2328.5	2356.3	2342.4	2352.8	2370.2
10°	2370.2	2359.7	2325.0	2332.0	2300.8	2300.8	2307.7	2307.7	2338.9	2373.6	2384.0
12.5°	2370.2	2349.3	2338.9	2293.8	2293.8	2297.3	2314.6	2321.6	2342.4	2356.3	2391.0
15°	2370.2	2359.7	2342.4	2283.4	2297.3	2290.3	2307.7	2307.7	2352.8	2377.1	2394.4
17.5°	2384.0	2391.0	2359.7	2304.2	2307.7	2321.6	2311.2	2321.6	2377.1	2394.4	2418.7
20°	2387.5	2359.7	2349.3	2314.6	2345.9	2338.9	2335.5	2356.3	2373.6	2404.9	2432.6
22.5°	2380.6	2391.0	2349.3	2345.9	2373.6	2387.5	2394.4	2370.2	2391.0	2411.8	2436.1
25°	2439.6	2401.4	2391.0	2384.0	2397.9	2411.8	2404.9	2425.7	2425.7	2450.0	2481.2
27.5°	2599.2	2602.7	2581.8	2498.6	2470.8	2439.6	2453.4	2509.0	2574.9	2627.0	2637.4
30°	2672.1	2685.9	2741.5	2727.6	2717.2	2727.6	2724.1	2738.0	2744.9	2748.4	2738.0
32.5°	2738.0	2731.1	2706.8	2769.2	2974.0	3130.1	2980.9	2776.2	2731.1	2717.2	2731.1
35°	2977.4	2977.4	2925.4	2845.6	2953.2	2991.3	2921.9	2824.8	2880.3	2994.8	3001.7
37.5°	3286.3	3241.2	3262.0	3251.6	3133.6	3050.3	3171.8	3234.2	3244.6	3241.2	3275.9
40°	3470.2	3439.0	3407.7	3463.3	3570.8	3647.2	3539.6	3390.4	3428.6	3504.9	3473.7
42.5°	3890.1	3810.3	3817.2	3761.7	3758.2	3733.9	3709.7	3720.1	3775.6	3862.3	3876.2
45°	4320.4	4358.6	4334.3	4230.2	4278.8	4278.8	4209.4	4261.4	4289.2	4389.8	4403.7
47.5°	4993.6	4976.3	4986.7	4893.0	4889.5	4913.8	4889.5	4893.0	4979.8	4972.8	4934.6
50°	5781.4	5830.0	5843.8	5798.7	5743.2	5732.8	5694.6	5743.2	5795.3	5798.7	5767.5
52.5°	6871.0	6923.1	6923.1	6937.0	7006.4	6971.7	6964.7	6968.2	6867.6	6798.1	6832.8
55°	8245.2	8262.6	8321.6	8443.0	8654.7	8682.5	8550.6	8491.6	8307.7	8196.6	8283.4
57.5°	9602.1	9671.5	9834.6	10150.4	10410.6	10695.2	10313.5	9924.8	9563.9	9386.9	9418.2
60°	10729.9	10830.5	11142.9	11583.6	12305.4	12565.6	11920.2	11253.9	10521.7	9980.3	10199.0
62.5°	11260.8	11417.0	11680.7	12572.6	13655.3	14030.1	13082.7	11871.6	10761.1	10240.6	10230.2
64°	11264.3	11288.6	11816.1	12777.3	13891.3	14616.5	13363.8	11871.6	10820.1	10178.1	10296.1
65°	11031.8	11132.4	11642.6	12589.9	13742.0	14665.1	13266.6	11708.5	10577.2	10077.5	10133.0
67.5°	9976.9	9973.4	10445.3	11385.8	12985.5	14113.4	12440.7	10795.8	9976.9	9435.5	9501.4
70°	7568.5	7690.0	8141.1	9296.7	11236.5	12444.2	10879.1	9175.2	8155.0	7721.2	7696.9
72.5°	4528.6	4688.3	5264.3	6673.2	8727.6	10195.5	8633.9	6787.7	5559.3	4872.2	4889.5
75°	2064.8	2182.8	2578.4	3727.0	5816.1	7454.0	5850.8	3924.8	2814.3	2377.1	2314.6
77.5°	579.5	652.4	871.0	1710.8	3192.6	4469.6	3282.8	1891.3	1228.5	1020.2	999.4
80°	260.3	274.1	308.8	416.4	1013.3	1971.1	1356.9	694.0	461.5	381.7	364.4
82.5°	142.3	152.7	201.3	215.2	288.0	524.0	447.7	326.2	277.6	222.1	215.2
85°	79.8	83.3	114.5	114.5	138.8	152.7	163.1	173.5	170.0	124.9	121.5
87.5°	24.3	27.8	34.7	34.7	34.7	34.7	55.5	76.3	83.3	59.0	59.0
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)