

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: P479781

Luminaire Tested: **IFLD-L-SA7B-750-U-5WQ**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P479781
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-750-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (112) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

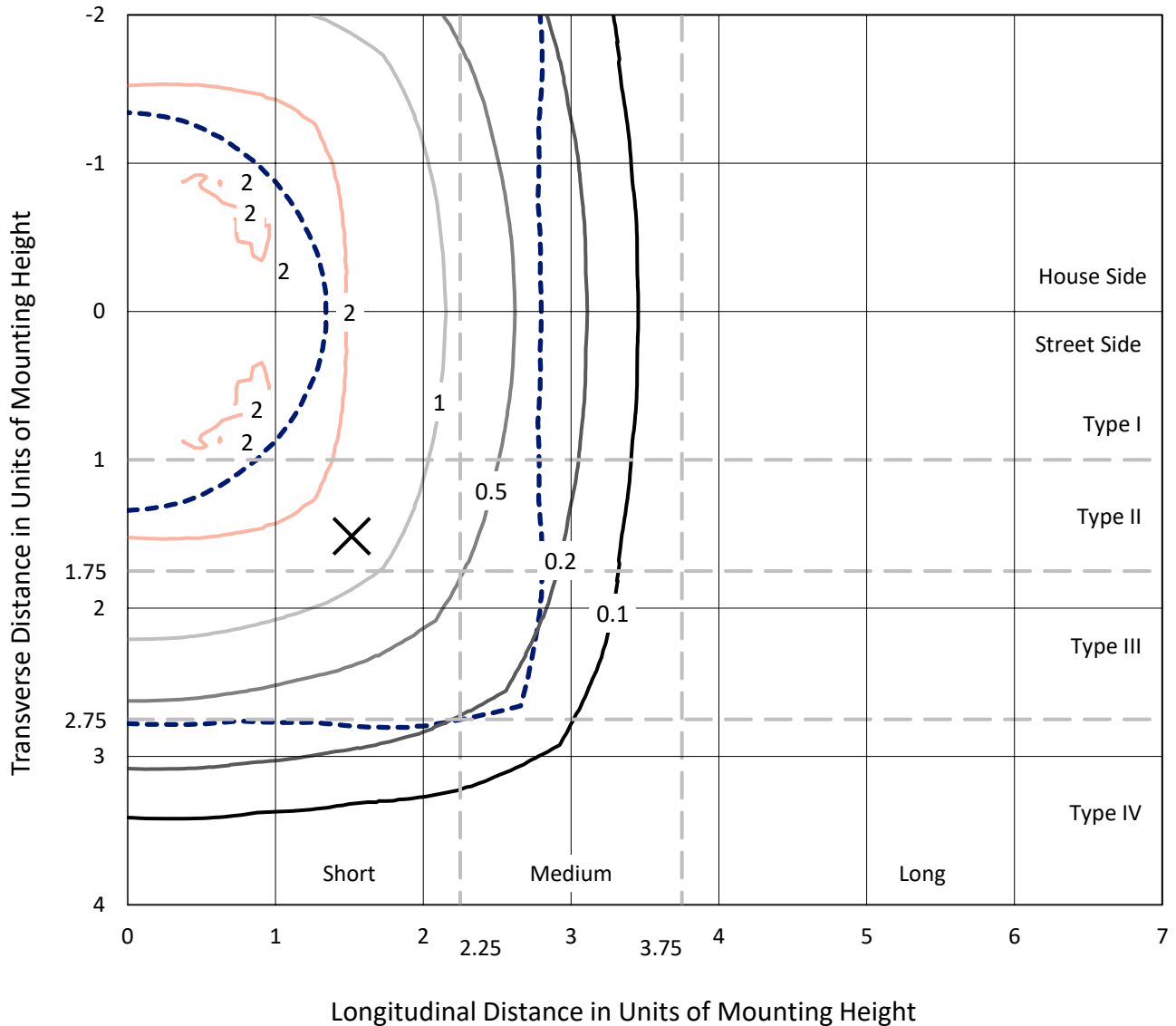
Lumens per Lamp: N/A
Luminaire Lumens: 37381.7 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 281
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

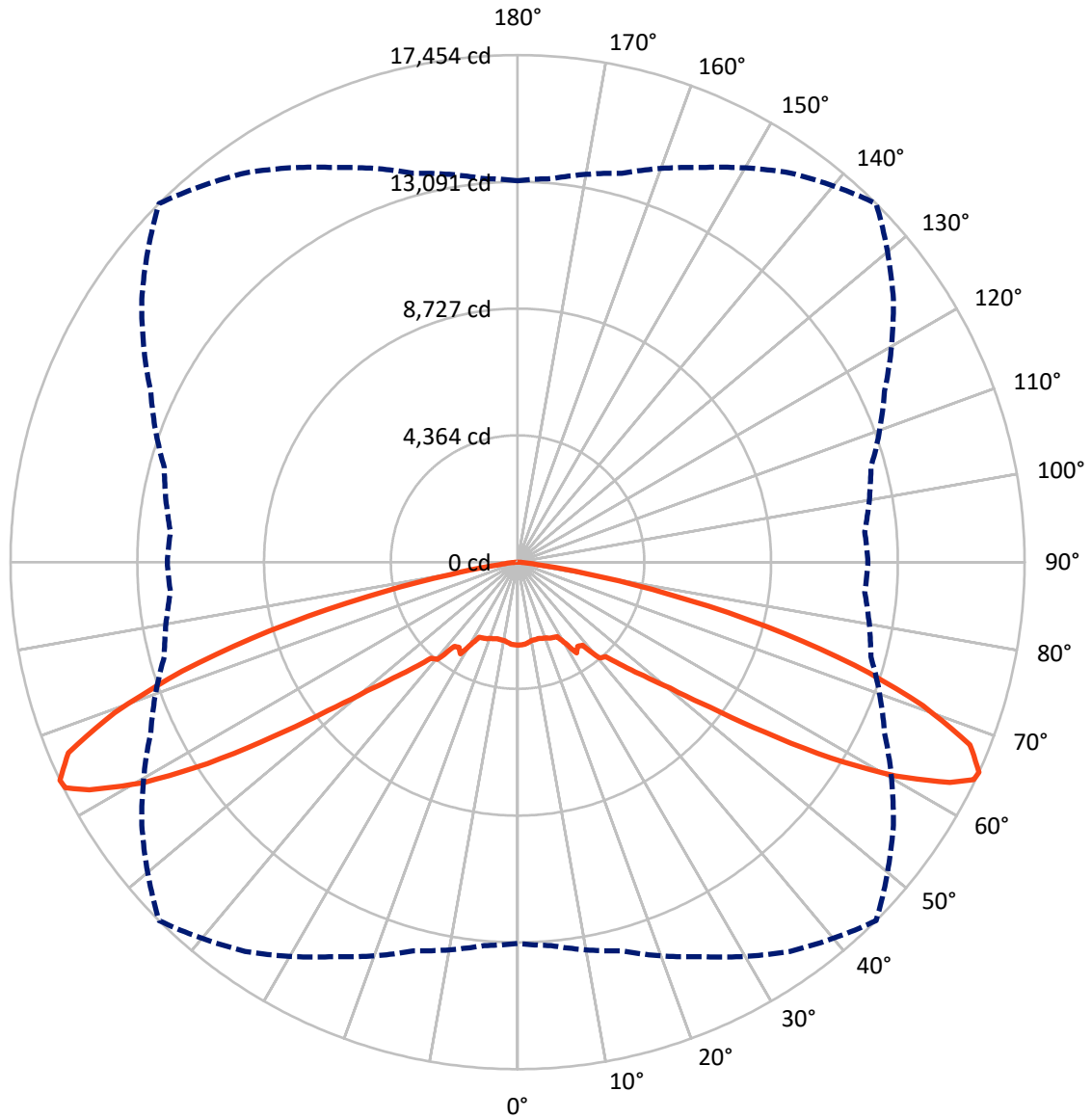
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.2 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	18690.8	0.0	18690.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18690.8	0.0	18690.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	37381.7	0.0	37381.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.2	0.7
10°-20°	787.9	2.1
20°-30°	1363.7	3.6
30°-40°	2267.6	6.1
40°-50°	4091.1	10.9
50°-60°	9113.6	24.4
60°-70°	13582.2	36.3
70°-80°	5628.6	15.1
80°-90°	278.8	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°	37381.7	100.0
0°-180°	37381.7	100.0

Coefficient of Utilization



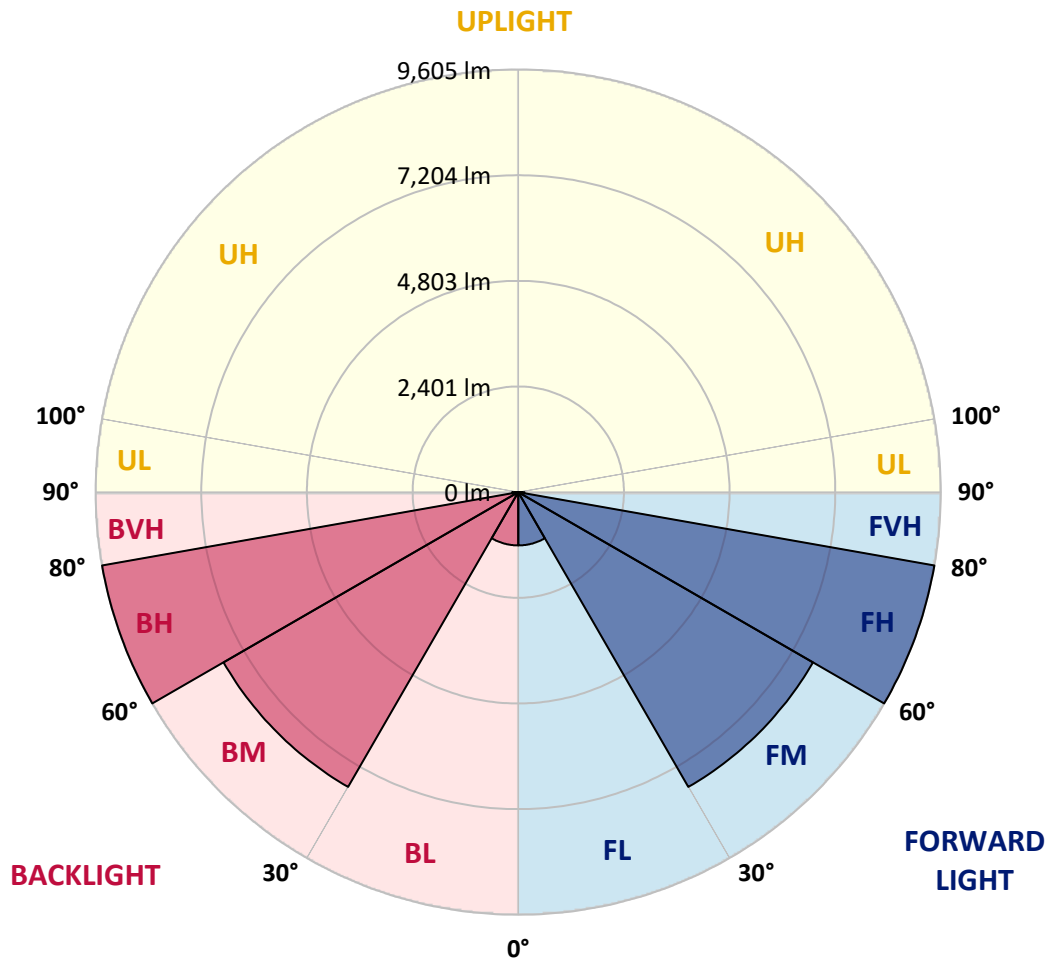
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1209.9	3.2			
FM (30°-60°)	7736.1	20.7			
FH (60°-80°)	9605.4	25.7			G4/12000
FVH (80°-90°)	139.4	0.4			G2/225
BL (0°-30°)	1209.9	3.2	B3/2500		
BM (30°-60°)	7736.1	20.7	B4/8500		
BH (60°-80°)	9605.4	25.7	B5		G4/12000
BVH (80°-90°)	139.4	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°	2858.1	2858.1	2858.1	2858.1	2858.1	2858.1	2858.1	2858.1	2858.1	2858.1	2858.1
2.5°	2825.0	2833.3	2829.1	2829.1	2841.5	2849.8	2853.9	2895.2	2878.7	2891.1	2878.7
5°	2833.3	2833.3	2841.5	2833.3	2841.5	2833.3	2841.5	2829.1	2841.5	2849.8	2862.2
7.5°	2816.8	2808.5	2796.1	2796.1	2792.0	2783.7	2771.3	2804.4	2787.8	2800.2	2820.9
10°	2820.9	2808.5	2767.2	2775.5	2738.3	2738.3	2746.5	2746.5	2783.7	2825.0	2837.4
12.5°	2820.9	2796.1	2783.7	2730.0	2730.0	2734.2	2754.8	2763.1	2787.8	2804.4	2845.7
15°	2820.9	2808.5	2787.8	2717.6	2734.2	2725.9	2746.5	2746.5	2800.2	2829.1	2849.8
17.5°	2837.4	2845.7	2808.5	2742.4	2746.5	2763.1	2750.7	2763.1	2829.1	2849.8	2878.7
20°	2841.5	2808.5	2796.1	2754.8	2792.0	2783.7	2779.6	2804.4	2825.0	2862.2	2895.2
22.5°	2833.3	2845.7	2796.1	2792.0	2825.0	2841.5	2849.8	2820.9	2845.7	2870.4	2899.4
25°	2903.5	2858.1	2845.7	2837.4	2853.9	2870.4	2862.2	2887.0	2887.0	2915.9	2953.1
27.5°	3093.5	3097.6	3072.8	2973.7	2940.7	2903.5	2920.0	2986.1	3064.6	3126.5	3138.9
30°	3180.2	3196.7	3262.8	3246.3	3233.9	3246.3	3242.2	3258.7	3266.9	3271.1	3258.7
32.5°	3258.7	3250.4	3221.5	3295.9	3539.5	3725.4	3547.8	3304.1	3250.4	3233.9	3250.4
35°	3543.7	3543.7	3481.7	3386.7	3514.7	3560.2	3477.6	3361.9	3428.0	3564.3	3572.6
37.5°	3911.2	3857.6	3882.3	3869.9	3729.5	3630.4	3774.9	3849.3	3861.7	3857.6	3898.9
40°	4130.1	4093.0	4055.8	4121.9	4249.9	4340.8	4212.7	4035.1	4080.6	4171.4	4134.3
42.5°	4629.9	4534.9	4543.2	4477.1	4472.9	4444.0	4415.1	4427.5	4493.6	4596.8	4613.4
45°	5142.0	5187.5	5158.5	5034.6	5092.5	5092.5	5009.9	5071.8	5104.9	5224.6	5241.1
47.5°	5943.3	5922.6	5935.0	5823.5	5819.4	5848.3	5819.4	5823.5	5926.8	5918.5	5873.1
50°	6880.8	6938.6	6955.2	6901.5	6835.4	6823.0	6777.6	6835.4	6897.3	6901.5	6864.3
52.5°	8177.7	8239.6	8239.6	8256.2	8338.8	8297.5	8289.2	8293.3	8173.5	8090.9	8132.2
55°	9813.2	9833.9	9904.1	10048.6	10300.6	10333.6	10176.7	10106.5	9887.6	9755.4	9858.6
57.5°	11428.1	11510.7	11704.8	12080.7	12390.4	12729.1	12274.8	11812.2	11382.7	11172.0	11209.2
60°	12770.4	12890.2	13261.9	13786.4	14645.5	14955.2	14187.0	13394.0	12522.6	11878.3	12138.5
62.5°	13402.3	13588.2	13902.1	14963.5	16252.1	16698.2	15570.6	14129.2	12807.6	12188.0	12175.7
64°	13406.4	13435.3	14063.1	15207.2	16533.0	17396.2	15905.2	14129.2	12877.8	12113.7	12254.1
65°	13129.7	13249.5	13856.6	14984.1	16355.4	17454.0	15789.5	13935.1	12588.7	11993.9	12060.0
67.5°	11874.2	11870.0	12431.7	13551.0	15455.0	16797.3	14806.6	12848.9	11874.2	11229.9	11308.3
70°	9007.8	9152.4	9689.3	11064.6	13373.4	14810.7	12948.0	10920.1	9705.8	9189.6	9160.7
72.5°	5389.8	5579.8	6265.4	7942.3	10387.3	12134.4	10275.8	8078.6	6616.5	5798.7	5819.4
75°	2457.4	2597.9	3068.7	4435.8	6922.1	8871.5	6963.4	4671.2	3349.5	2829.1	2754.8
77.5°	689.7	776.5	1036.7	2036.2	3799.7	5319.6	3907.1	2250.9	1462.1	1214.3	1189.5
80°	309.8	326.3	367.6	495.6	1206.0	2345.9	1614.9	826.0	549.3	454.3	433.7
82.5°	169.3	181.7	239.5	256.1	342.8	623.7	532.8	388.2	330.4	264.3	256.1
85°	95.0	99.1	136.3	136.3	165.2	181.7	194.1	206.5	202.4	148.7	144.6
87.5°	28.9	33.0	41.3	41.3	41.3	41.3	66.1	90.9	99.1	70.2	70.2
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)