

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: P524207

Luminaire Tested: **IFLD-M-SA4E-940-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524207
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-940-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

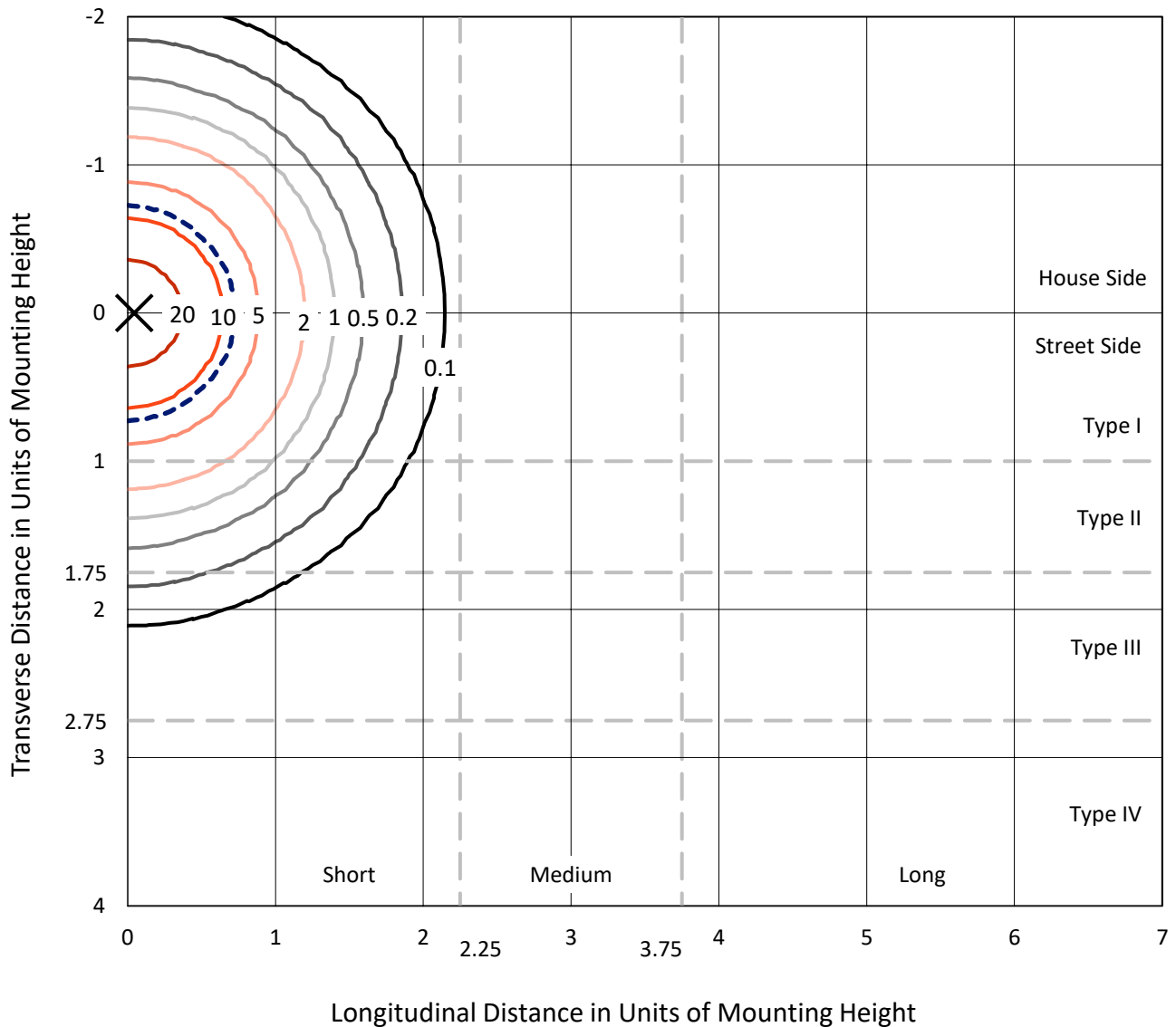
Lumens per Lamp: N/A
Luminaire Lumens: 27144.3 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 314.8
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

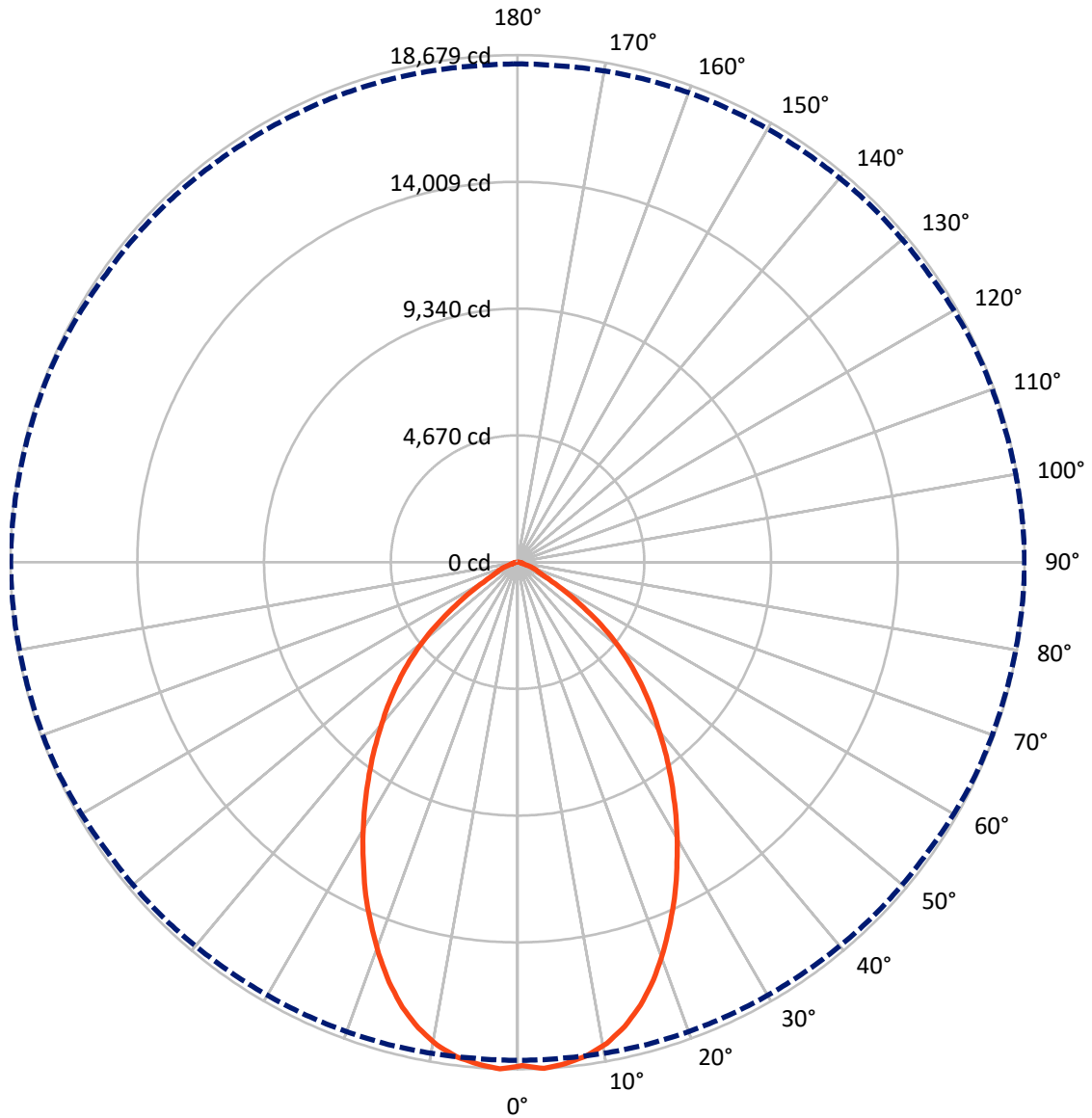
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 29.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13572.1	0.0	13572.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13572.1	0.0	13572.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	27144.3	0.0	27144.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1741.8	6.4
10°-20°	4680.2	17.2
20°-30°	6055.2	22.3
30°-40°	5971.9	22.0
40°-50°	4831.5	17.8
50°-60°	2630.6	9.7
60°-70°	833.5	3.1
70°-80°	322.5	1.2
80°-90°	77.1	0.3
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°	27144.3	100.0
0°-180°	27144.3	100.0

Coefficient of Utilization



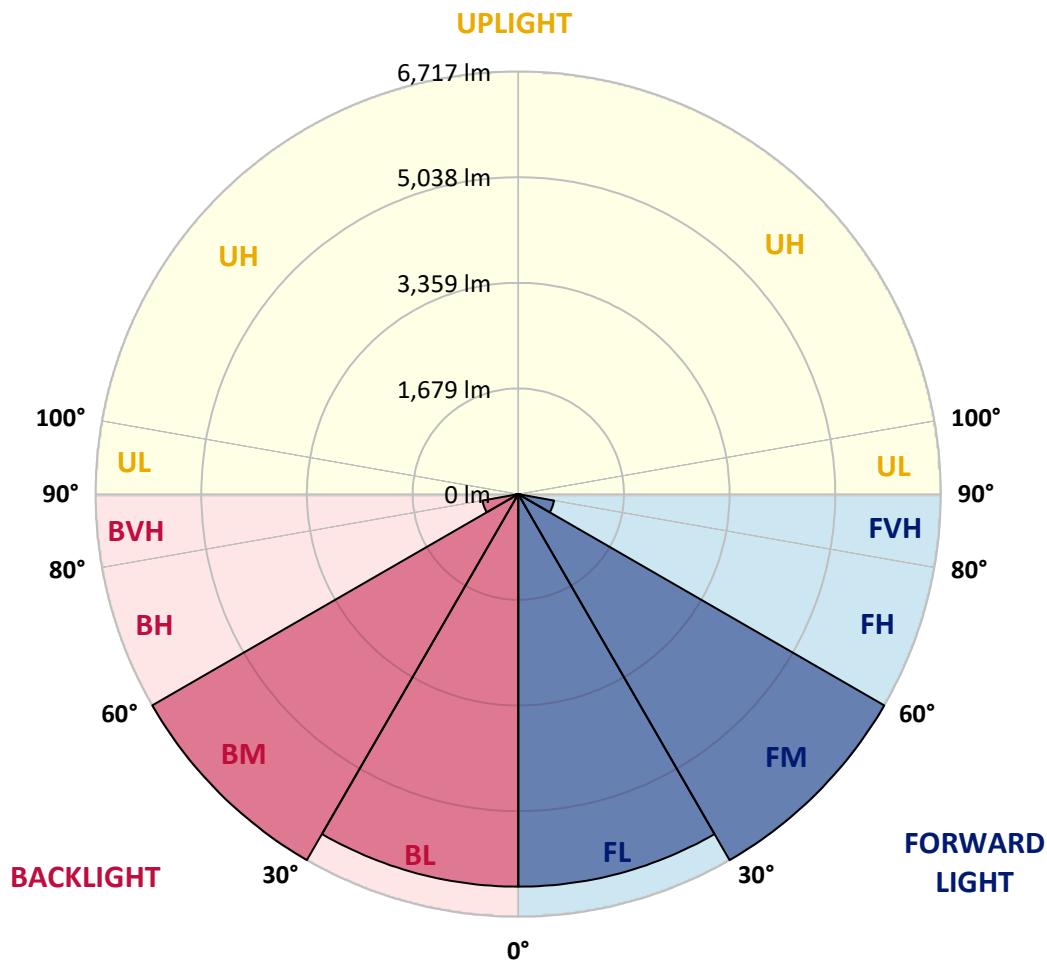
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6238.6	23.0			
FM (30°-60°)	6717.0	24.7			
FH (60°-80°)	578.0	2.1			G0/660
FVH (80°-90°)	38.5	0.1			G1/100
BL (0°-30°)	6238.6	23.0	B5		
BM (30°-60°)	6717.0	24.7	B4/8500		
BH (60°-80°)	578.0	2.1	B2/1000		G0/660
BVH (80°-90°)	38.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	18553.8	18553.8	18553.8	18553.8	18553.8	18553.8	18553.8	18553.8	18553.8	18553.8	18553.8
2.5°	18353.8	18349.9	18396.9	18416.6	18440.1	18487.2	18502.8	18604.8	18616.6	18655.8	18679.3
5°	18322.4	18306.7	18353.8	18361.7	18389.1	18396.9	18420.5	18491.1	18483.2	18542.1	18553.8
7.5°	18153.8	18134.2	18173.4	18181.3	18220.5	18208.7	18247.9	18298.9	18298.9	18342.0	18361.7
10°	17777.3	17773.4	17812.6	17816.5	17871.4	17859.7	17922.4	17934.2	17965.6	17996.9	18032.2
12.5°	17326.3	17275.3	17326.3	17306.7	17381.2	17338.1	17424.4	17451.8	17467.5	17522.4	17549.9
15°	16745.9	16683.1	16718.4	16698.8	16745.9	16691.0	16781.2	16836.1	16855.7	16910.6	16938.1
17.5°	15969.4	15918.4	15926.2	15898.8	15930.2	15887.0	15973.3	16059.6	16087.0	16145.9	16185.1
20°	14992.9	14992.9	14996.8	14973.3	15000.7	14957.6	15012.5	15145.8	15173.3	15251.7	15318.4
22.5°	14039.9	14039.9	14051.6	14020.3	14028.1	14008.5	14067.3	14196.8	14239.9	14322.2	14404.6
25°	13126.1	13110.4	13118.3	13090.8	13059.4	13067.3	13137.9	13220.2	13314.4	13420.2	13483.0
27.5°	12255.5	12275.1	12228.0	12208.4	12184.9	12141.8	12224.1	12326.1	12392.7	12479.0	12510.4
30°	11326.0	11365.2	11329.9	11314.3	11255.4	11200.5	11286.8	11388.8	11455.4	11537.8	11573.1
32.5°	10498.5	10486.8	10455.4	10420.1	10361.3	10318.1	10353.4	10471.1	10522.1	10608.3	10620.1
35°	9612.2	9604.4	9584.8	9514.2	9494.6	9443.6	9475.0	9576.9	9616.1	9667.1	9706.3
37.5°	8745.5	8718.1	8710.2	8682.8	8647.5	8635.7	8635.7	8690.6	8729.8	8780.8	8820.0
40°	7886.6	7894.5	7871.0	7847.4	7835.7	7820.0	7823.9	7855.3	7886.6	7910.2	7933.7
42.5°	7110.1	7067.0	7051.3	7027.8	7039.5	7059.2	7016.0	7063.1	7102.3	7102.3	7153.3
45°	6219.9	6239.5	6247.4	6286.6	6286.6	6267.0	6251.3	6274.8	6314.0	6310.1	6361.1
47.5°	5443.4	5419.9	5439.5	5498.3	5549.3	5557.1	5510.1	5521.8	5533.6	5514.0	5561.0
50°	4592.4	4600.2	4596.3	4686.5	4788.5	4753.2	4717.9	4729.6	4725.7	4725.7	4733.6
52.5°	3666.8	3686.4	3662.9	3792.3	3902.1	3874.7	3851.2	3851.2	3870.8	3866.8	3862.9
55°	2823.7	2815.8	2764.8	2827.6	2925.6	2929.6	2894.3	2909.9	2929.6	2949.2	2945.2
57.5°	2102.1	2078.5	2007.9	2011.9	2121.7	2149.1	2117.7	2113.8	2137.4	2145.2	2188.3
60°	1415.8	1411.8	1349.1	1345.2	1388.3	1462.8	1427.5	1427.5	1435.4	1447.1	1458.9
62.5°	968.7	976.5	953.0	949.1	956.9	1019.7	1015.7	1011.8	1007.9	1023.6	1019.7
65°	760.8	764.7	756.9	756.9	760.8	788.3	815.7	819.6	823.6	827.5	823.6
67.5°	611.8	615.7	607.9	615.7	615.7	619.6	658.9	674.5	678.5	678.5	674.5
70°	470.6	486.3	494.1	494.1	494.1	494.1	521.6	541.2	537.3	513.7	490.2
72.5°	235.3	286.3	396.1	400.0	396.1	392.2	407.9	427.5	423.5	298.1	223.5
75°	156.9	168.6	309.8	325.5	321.6	305.9	321.6	345.1	337.3	192.2	184.3
77.5°	90.2	98.0	207.9	239.2	258.8	223.5	254.9	278.4	266.7	156.9	152.9
80°	70.6	66.7	149.0	184.3	176.5	141.2	207.9	223.5	203.9	117.7	105.9
82.5°	43.1	43.1	98.0	141.2	129.4	82.4	145.1	172.6	152.9	86.3	78.4
85°	23.5	27.5	47.1	70.6	74.5	54.9	78.4	94.1	94.1	54.9	54.9
87.5°	11.8	11.8	15.7	15.7	19.6	23.5	23.5	27.5	19.6	15.7	15.7
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)