

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: P524090

Luminaire Tested: **IFLD-M-SA4E-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524090
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

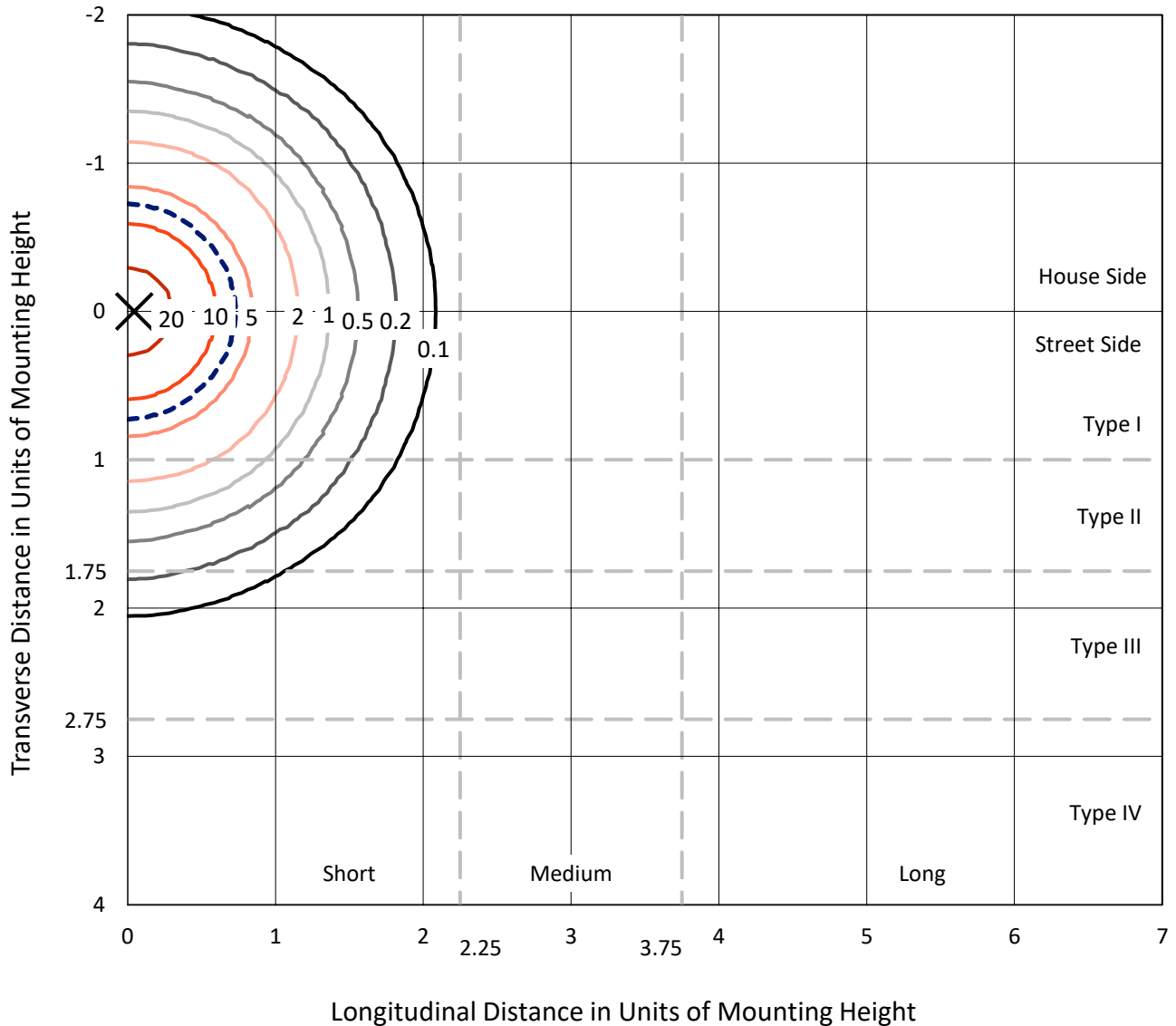
Lumens per Lamp: N/A
Luminaire Lumens: 23781.1 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

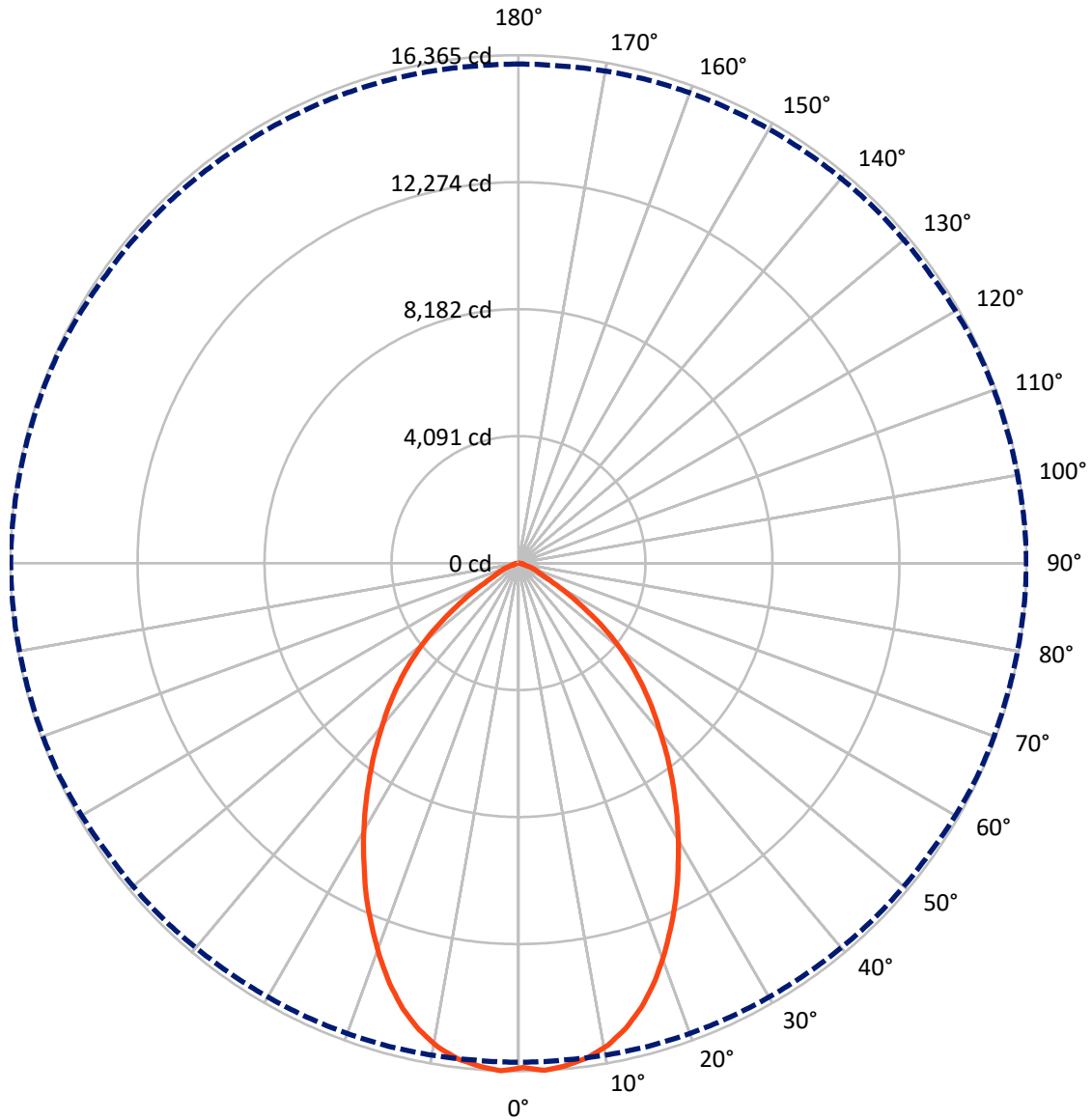
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26 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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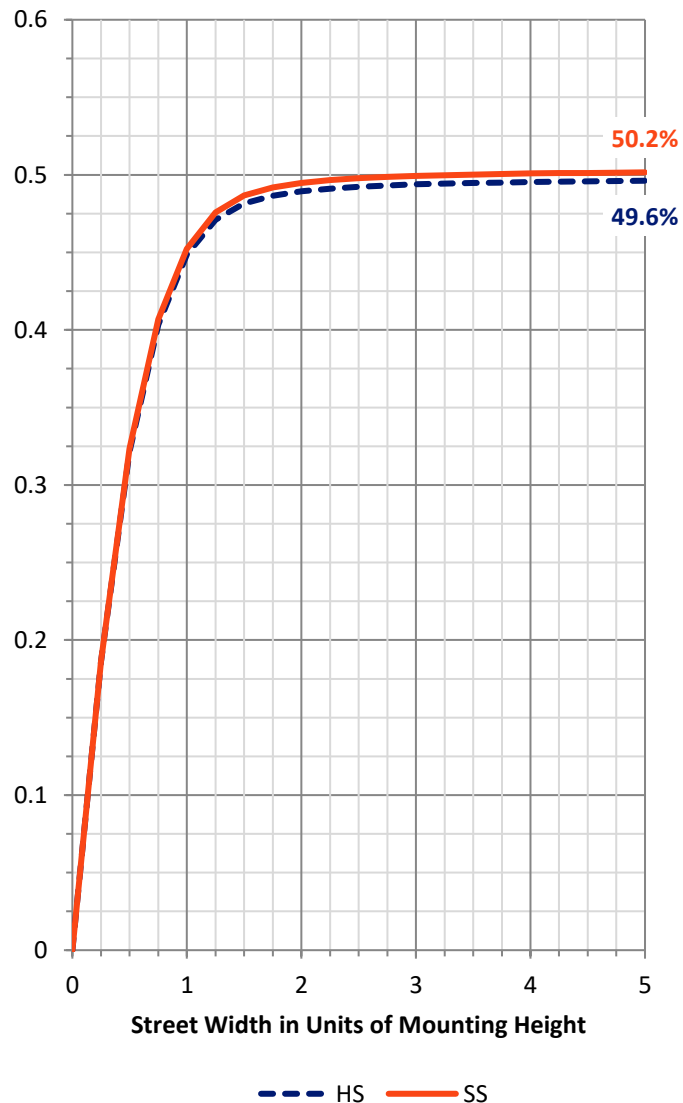
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11890.5	0.0	11890.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11890.5	0.0	11890.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23781.1	0.0	23781.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1526.0	6.4
10°-20°	4100.3	17.2
20°-30°	5305.0	22.3
30°-40°	5232.0	22.0
40°-50°	4232.9	17.8
50°-60°	2304.7	9.7
60°-70°	730.2	3.1
70°-80°	282.5	1.2
80°-90°	67.5	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°	23781.1	100.0
0°-180°	23781.1	100.0

Coefficient of Utilization



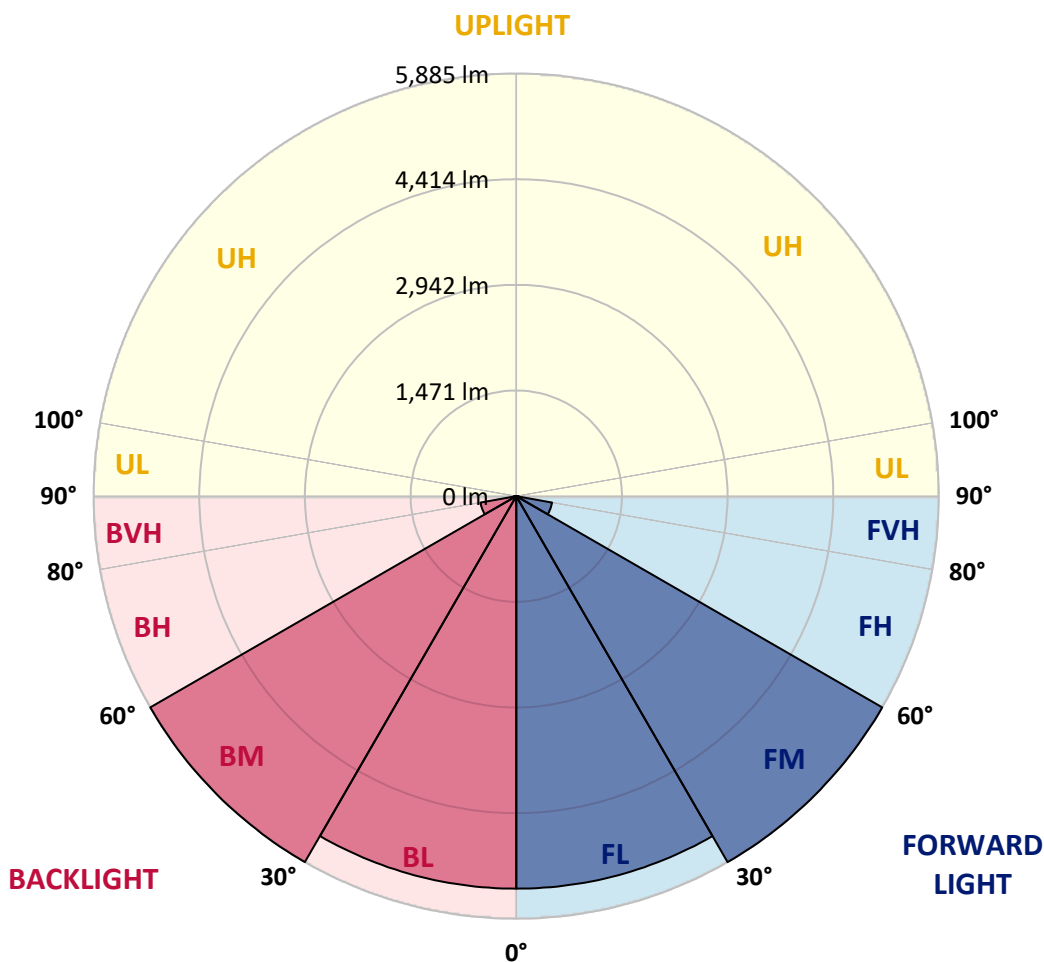
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5465.6	23.0			
FM (30°-60°)	5884.8	24.7			
FH (60°-80°)	506.4	2.1			G0/660
FVH (80°-90°)	33.8	0.1			G1/100
BL (0°-30°)	5465.6	23.0	B5		
BM (30°-60°)	5884.8	24.7	B4/8500		
BH (60°-80°)	506.4	2.1	B2/1000		G0/660
BVH (80°-90°)	33.8	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°	16255.0	16255.0	16255.0	16255.0	16255.0	16255.0	16255.0	16255.0	16255.0	16255.0	16255.0
2.5°	16079.8	16076.3	16117.6	16134.7	16155.4	16196.6	16210.3	16299.7	16310.0	16344.3	16364.9
5°	16052.3	16038.5	16079.8	16086.6	16110.7	16117.6	16138.2	16200.0	16193.2	16244.7	16255.0
7.5°	15904.5	15887.4	15921.7	15928.6	15963.0	15952.6	15987.0	16031.7	16031.7	16069.5	16086.6
10°	15574.7	15571.3	15605.6	15609.1	15657.2	15646.9	15701.8	15712.1	15739.6	15767.1	15798.0
12.5°	15179.6	15134.9	15179.6	15162.4	15227.7	15189.9	15265.5	15289.5	15303.3	15351.4	15375.4
15°	14671.1	14616.1	14647.0	14629.8	14671.1	14623.0	14702.0	14750.1	14767.3	14815.4	14839.4
17.5°	13990.8	13946.1	13953.0	13928.9	13956.4	13918.6	13994.2	14069.8	14093.9	14145.4	14179.7
20°	13135.3	13135.3	13138.7	13118.1	13142.1	13104.3	13152.4	13269.2	13293.3	13362.0	13420.4
22.5°	12300.3	12300.3	12310.6	12283.2	12290.0	12272.9	12324.4	12437.8	12475.6	12547.7	12619.9
25°	11499.8	11486.0	11492.9	11468.9	11441.4	11448.2	11510.1	11582.2	11664.7	11757.5	11812.4
27.5°	10737.0	10754.2	10713.0	10695.8	10675.2	10637.4	10709.5	10798.9	10857.3	10932.9	10960.4
30°	9922.7	9957.1	9926.2	9912.4	9860.9	9812.8	9888.4	9977.7	10036.1	10108.3	10139.2
32.5°	9197.8	9187.5	9160.0	9129.1	9077.5	9039.7	9070.6	9173.7	9218.4	9294.0	9304.3
35°	8421.3	8414.4	8397.2	8335.4	8318.2	8273.5	8301.0	8390.3	8424.7	8469.4	8503.7
37.5°	7661.9	7637.9	7631.0	7607.0	7576.0	7565.7	7565.7	7613.8	7648.2	7692.9	7727.2
40°	6909.5	6916.4	6895.7	6875.1	6864.8	6851.1	6854.5	6882.0	6909.5	6930.1	6950.7
42.5°	6229.2	6191.4	6177.7	6157.0	6167.3	6184.5	6146.7	6188.0	6222.3	6222.3	6267.0
45°	5449.3	5466.4	5473.3	5507.7	5507.7	5490.5	5476.7	5497.4	5531.7	5528.3	5572.9
47.5°	4769.0	4748.3	4765.5	4817.1	4861.7	4868.6	4827.4	4837.7	4848.0	4830.8	4872.0
50°	4023.4	4030.3	4026.8	4105.8	4195.2	4164.2	4133.3	4143.6	4140.2	4140.2	4147.1
52.5°	3212.5	3229.7	3209.1	3322.5	3418.7	3394.6	3374.0	3374.0	3391.2	3387.7	3384.3
55°	2473.8	2466.9	2422.3	2477.2	2563.1	2566.6	2535.7	2549.4	2566.6	2583.8	2580.3
57.5°	1841.6	1821.0	1759.2	1762.6	1858.8	1882.8	1855.4	1851.9	1872.5	1879.4	1917.2
60°	1240.3	1236.9	1181.9	1178.5	1216.3	1281.6	1250.6	1250.6	1257.5	1267.8	1278.1
62.5°	848.7	855.5	834.9	831.5	838.3	893.3	889.9	886.4	883.0	896.8	893.3
65°	666.6	670.0	663.1	663.1	666.6	690.6	714.7	718.1	721.5	725.0	721.5
67.5°	536.0	539.4	532.6	539.4	539.4	542.9	577.2	591.0	594.4	594.4	591.0
70°	412.3	426.0	432.9	432.9	432.9	432.9	457.0	474.1	470.7	450.1	429.5
72.5°	206.2	250.8	347.0	350.5	347.0	343.6	357.3	374.5	371.1	261.1	195.8
75°	137.4	147.7	271.4	285.2	281.7	268.0	281.7	302.4	295.5	168.4	161.5
77.5°	79.0	85.9	182.1	209.6	226.8	195.8	223.3	243.9	233.6	137.4	134.0
80°	61.8	58.4	130.6	161.5	154.6	123.7	182.1	195.8	178.7	103.1	92.8
82.5°	37.8	37.8	85.9	123.7	113.4	72.2	127.1	151.2	134.0	75.6	68.7
85°	20.6	24.1	41.2	61.8	65.3	48.1	68.7	82.5	82.5	48.1	48.1
87.5°	10.3	10.3	13.7	13.7	17.2	20.6	20.6	24.1	17.2	13.7	13.7
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)