

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: P524168

Luminaire Tested: **IFLD-M-SA4E-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524168
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-935-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

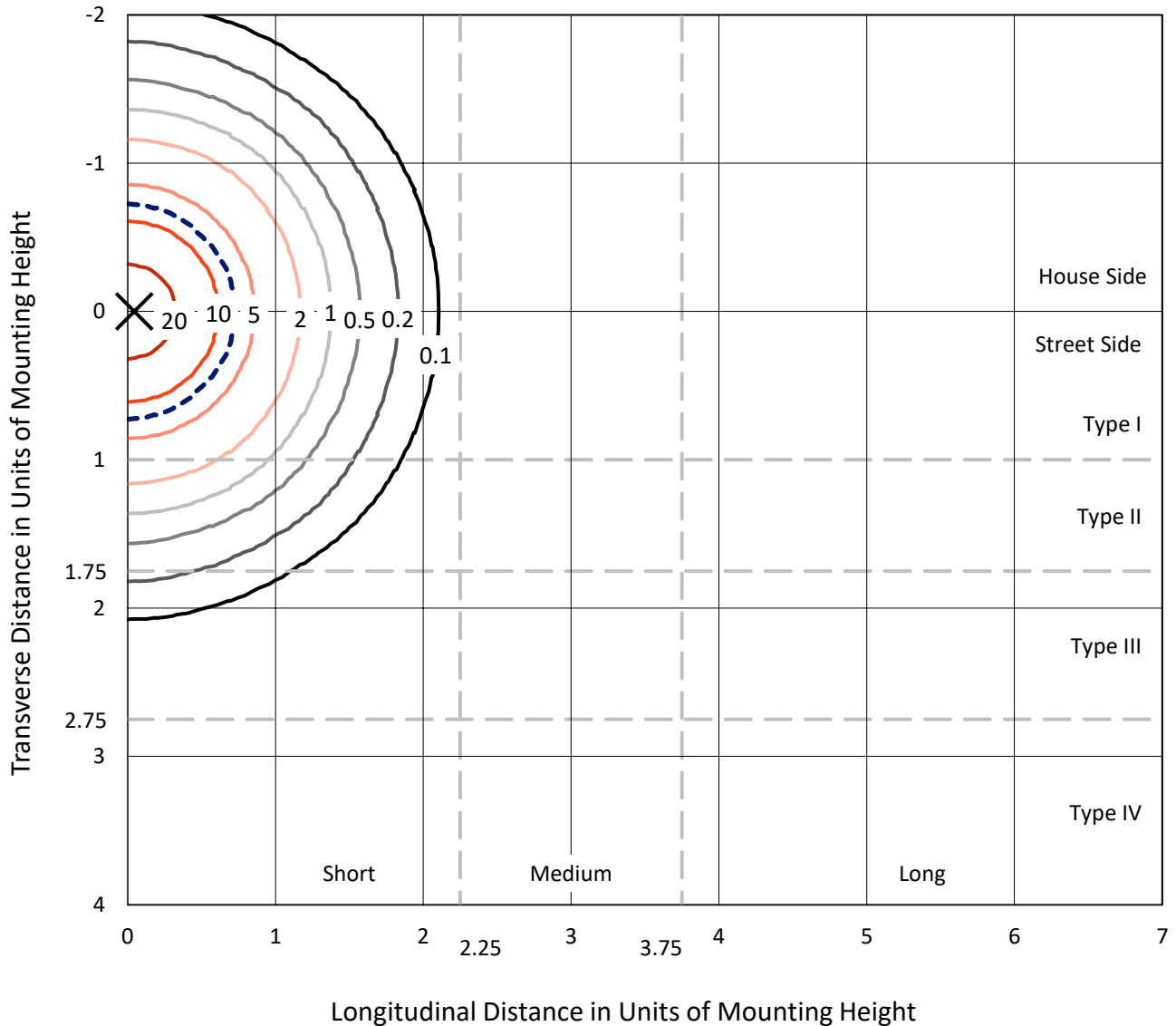
Lumens per Lamp: N/A
Luminaire Lumens: 24942.9 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

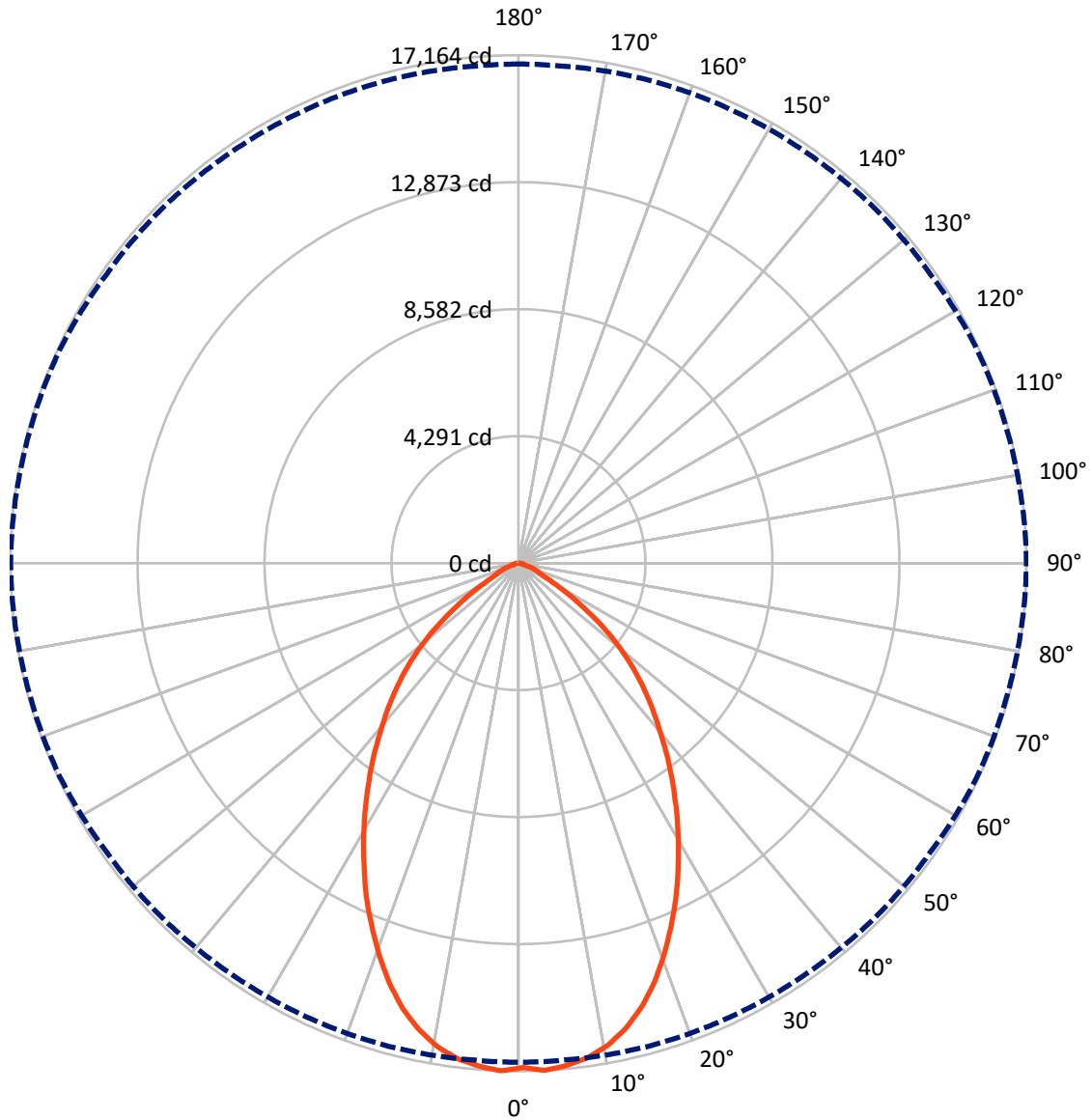
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 27.3 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	12471.4	0.0	12471.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12471.4	0.0	12471.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	24942.9	0.0	24942.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1600.5	6.4
10°-20°	4300.6	17.2
20°-30°	5564.1	22.3
30°-40°	5487.6	22.0
40°-50°	4439.7	17.8
50°-60°	2417.3	9.7
60°-70°	765.9	3.1
70°-80°	296.3	1.2
80°-90°	70.8	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°	24942.9	100.0
0°-180°	24942.9	100.0

Coefficient of Utilization



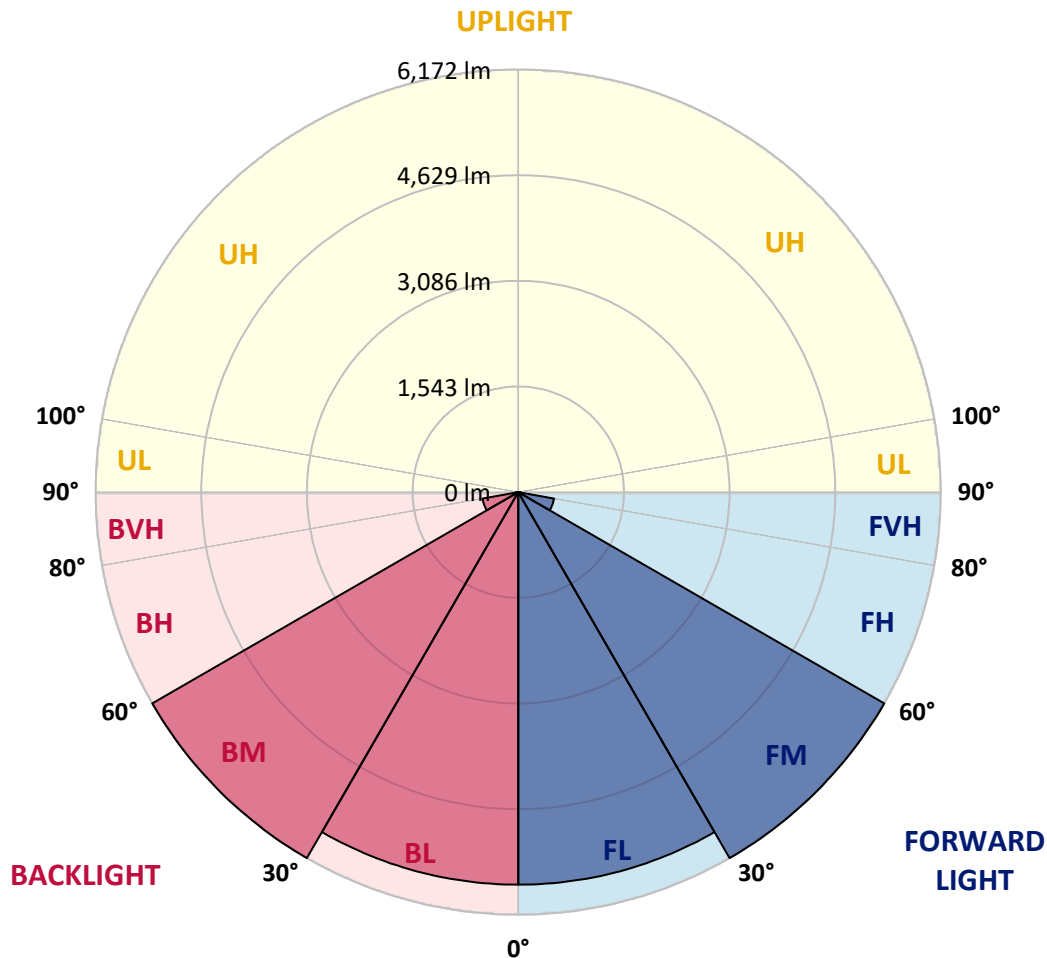
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5732.6	23.0			
FM (30°-60°)	6172.3	24.7			
FH (60°-80°)	531.1	2.1			G0/660
FVH (80°-90°)	35.4	0.1			G1/100
BL (0°-30°)	5732.6	23.0	B5		
BM (30°-60°)	6172.3	24.7	B4/8500		
BH (60°-80°)	531.1	2.1	B2/1000		G0/660
BVH (80°-90°)	35.4	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°	17049.1	17049.1	17049.1	17049.1	17049.1	17049.1	17049.1	17049.1	17049.1	17049.1	17049.1
2.5°	16865.3	16861.7	16905.0	16923.0	16944.6	16987.8	17002.3	17096.0	17106.8	17142.8	17164.4
5°	16836.5	16822.1	16865.3	16872.5	16897.7	16905.0	16926.6	16991.4	16984.2	17038.3	17049.1
7.5°	16681.5	16663.5	16699.5	16706.8	16742.8	16732.0	16768.0	16814.9	16814.9	16854.5	16872.5
10°	16335.6	16332.0	16368.0	16371.6	16422.1	16411.3	16468.9	16479.7	16508.6	16537.4	16569.8
12.5°	15921.1	15874.3	15921.1	15903.1	15971.6	15932.0	16011.2	16036.5	16050.9	16101.3	16126.6
15°	15387.8	15330.1	15362.6	15344.6	15387.8	15337.3	15420.2	15470.7	15488.7	15539.2	15564.4
17.5°	14674.3	14627.4	14634.6	14609.4	14638.2	14598.6	14677.9	14757.2	14782.4	14836.4	14872.5
20°	13776.9	13776.9	13780.5	13758.9	13784.2	13744.5	13795.0	13917.5	13942.7	14014.8	14076.1
22.5°	12901.2	12901.2	12912.1	12883.2	12890.4	12872.4	12926.5	13045.4	13085.0	13160.7	13236.4
25°	12061.6	12047.2	12054.4	12029.2	12000.3	12007.5	12072.4	12148.1	12234.6	12331.9	12389.5
27.5°	11261.6	11279.6	11236.3	11218.3	11196.7	11157.1	11232.7	11326.4	11387.7	11467.0	11495.8
30°	10407.5	10443.5	10411.1	10396.7	10342.6	10292.2	10371.4	10465.1	10526.4	10602.1	10634.5
32.5°	9647.1	9636.3	9607.5	9575.0	9521.0	9481.3	9513.8	9621.9	9668.7	9748.0	9758.8
35°	8832.7	8825.5	8807.4	8742.6	8724.6	8677.7	8706.5	8800.2	8836.3	8883.1	8919.2
37.5°	8036.3	8011.0	8003.8	7978.6	7946.2	7935.3	7935.3	7985.8	8021.8	8068.7	8104.7
40°	7247.0	7254.2	7232.6	7211.0	7200.2	7185.8	7189.4	7218.2	7247.0	7268.7	7290.3
42.5°	6533.5	6493.9	6479.5	6457.8	6468.6	6486.7	6447.0	6490.3	6526.3	6526.3	6573.1
45°	5715.5	5733.5	5740.7	5776.7	5776.7	5758.7	5744.3	5765.9	5802.0	5798.4	5845.2
47.5°	5001.9	4980.3	4998.3	5052.4	5099.2	5106.4	5063.2	5074.0	5084.8	5066.8	5110.0
50°	4219.9	4227.1	4223.5	4306.4	4400.1	4367.7	4335.3	4346.1	4342.5	4342.5	4349.7
52.5°	3369.5	3387.5	3365.9	3484.8	3585.7	3560.5	3538.8	3538.8	3556.9	3553.2	3549.6
55°	2594.7	2587.5	2540.6	2598.3	2688.4	2692.0	2659.5	2673.9	2692.0	2710.0	2706.4
57.5°	1931.6	1910.0	1845.1	1848.7	1949.6	1974.8	1946.0	1942.4	1964.0	1971.2	2010.9
60°	1300.9	1297.3	1239.7	1236.1	1275.7	1344.2	1311.7	1311.7	1319.0	1329.8	1340.6
62.5°	890.1	897.3	875.7	872.1	879.3	937.0	933.4	929.8	926.2	940.6	937.0
65°	699.1	702.7	695.5	695.5	699.1	724.3	749.6	753.2	756.8	760.4	756.8
67.5°	562.2	565.8	558.6	565.8	565.8	569.4	605.4	619.8	623.4	623.4	619.8
70°	432.4	446.9	454.1	454.1	454.1	454.1	479.3	497.3	493.7	472.1	450.5
72.5°	216.2	263.1	364.0	367.6	364.0	360.4	374.8	392.8	389.2	273.9	205.4
75°	144.1	155.0	284.7	299.1	295.5	281.1	295.5	317.1	309.9	176.6	169.4
77.5°	82.9	90.1	191.0	219.8	237.8	205.4	234.2	255.9	245.1	144.1	140.5
80°	64.9	61.3	136.9	169.4	162.2	129.7	191.0	205.4	187.4	108.1	97.3
82.5°	39.6	39.6	90.1	129.7	118.9	75.7	133.3	158.6	140.5	79.3	72.1
85°	21.6	25.2	43.2	64.9	68.5	50.5	72.1	86.5	86.5	50.5	50.5
87.5°	10.8	10.8	14.4	14.4	18.0	21.6	21.6	25.2	18.0	14.4	14.4
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)