

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: P524126

Luminaire Tested: **IFLD-M-SA4B-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524126
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

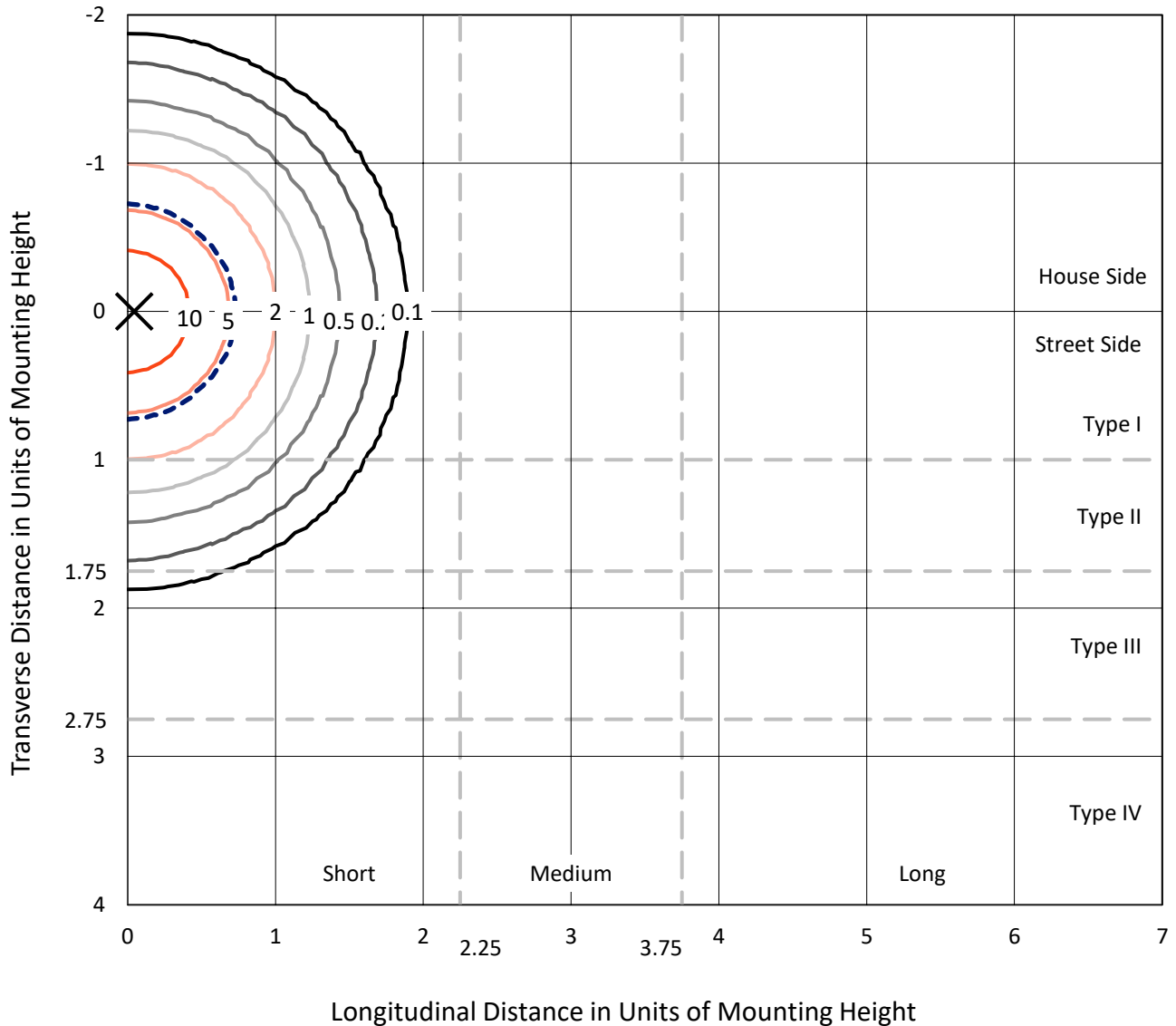
Lumens per Lamp: N/A
Luminaire Lumens: 15166.5 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 166.1
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

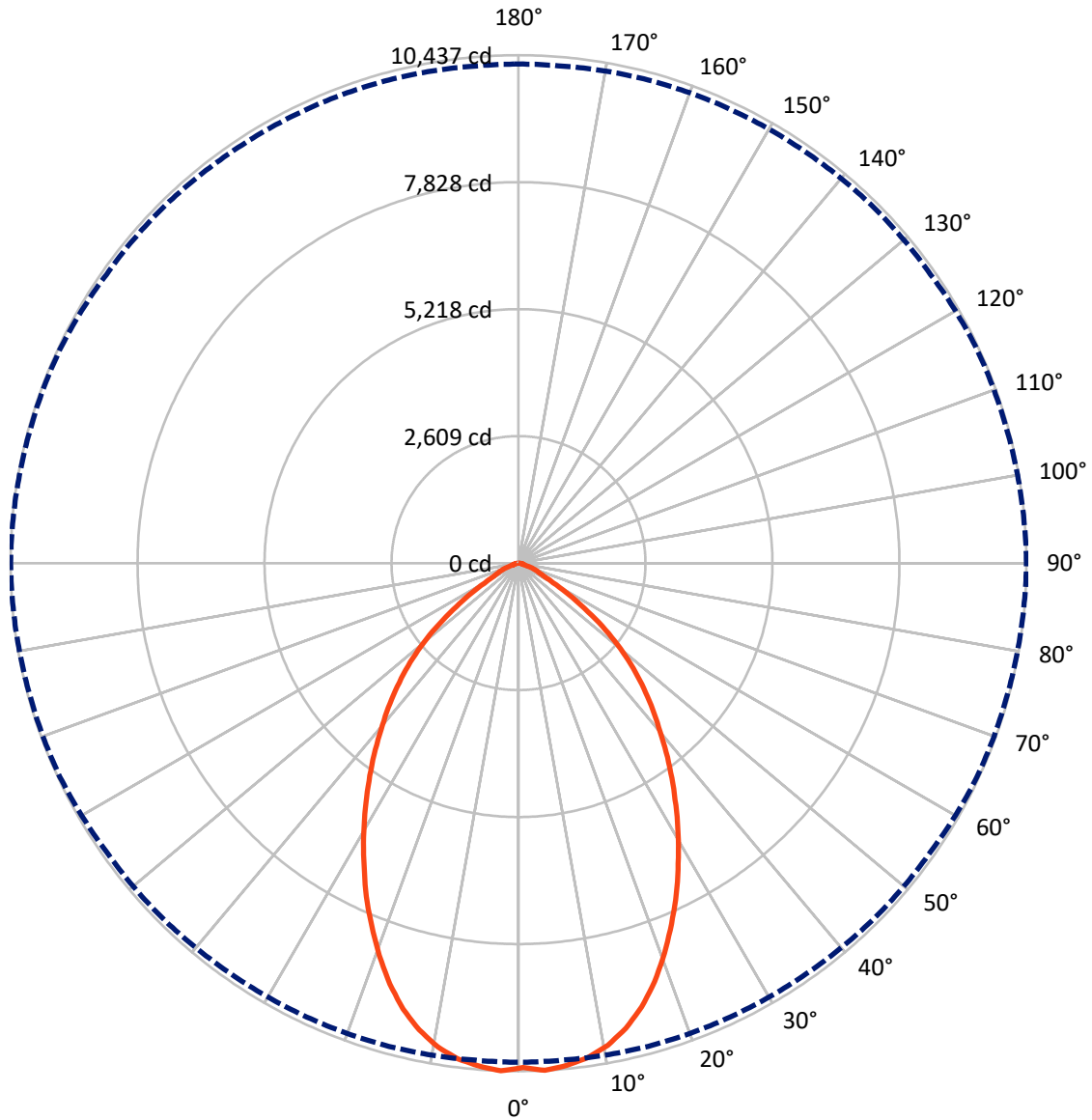
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.6 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	7583.3	0.0	7583.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7583.3	0.0	7583.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	15166.5	0.0	15166.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	973.2	6.4
10°-20°	2615.0	17.2
20°-30°	3383.3	22.3
30°-40°	3336.7	22.0
40°-50°	2699.6	17.8
50°-60°	1469.8	9.7
60°-70°	465.7	3.1
70°-80°	180.2	1.2
80°-90°	43.1	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°	15166.5	100.0
0°-180°	15166.5	100.0

Coefficient of Utilization



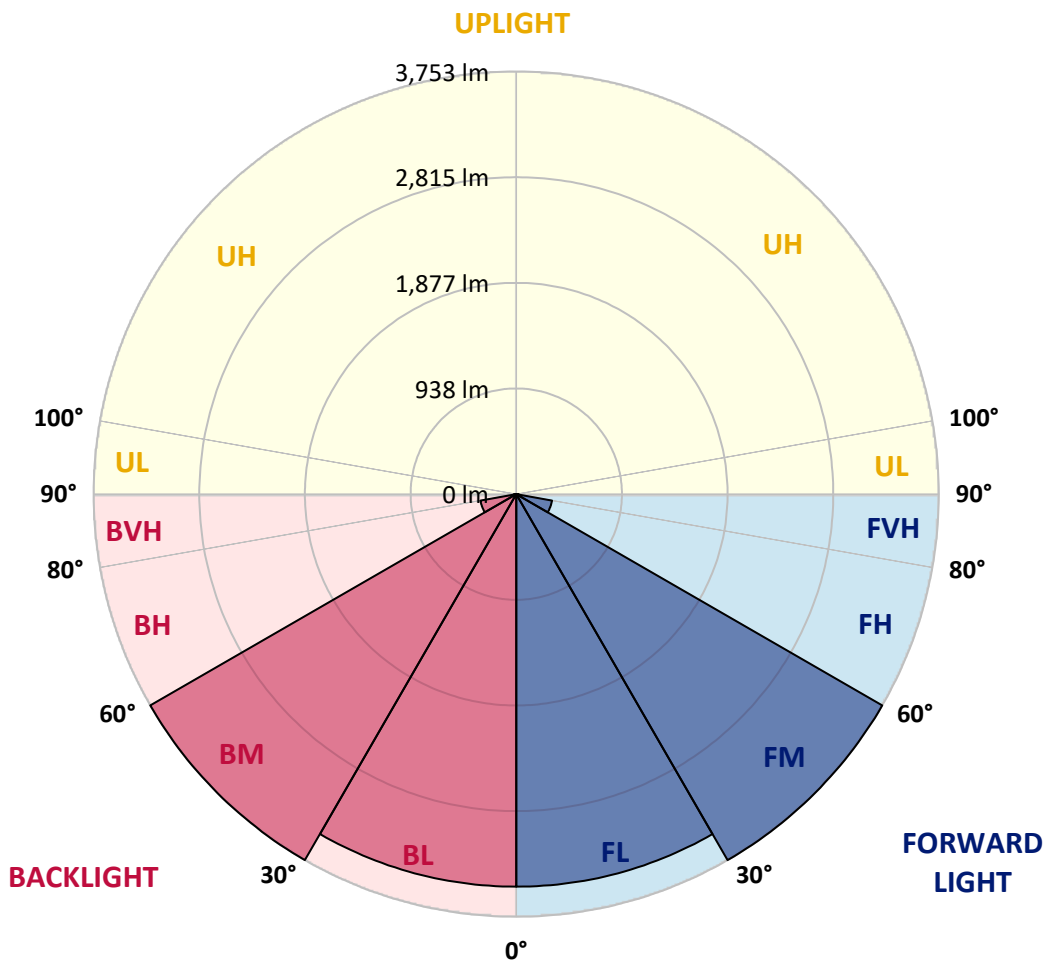
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3485.7	23.0			
FM (30°-60°)	3753.1	24.7			
FH (60°-80°)	322.9	2.1			G0/660
FVH (80°-90°)	21.5	0.1			G1/100
BL (0°-30°)	3485.7	23.0	B4/5000		
BM (30°-60°)	3753.1	24.7	B3/5000		
BH (60°-80°)	322.9	2.1	B1/500		G0/660
BVH (80°-90°)	21.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10366.7	10366.7	10366.7	10366.7	10366.7	10366.7	10366.7	10366.7	10366.7	10366.7	10366.7
2.5°	10255.0	10252.8	10279.1	10290.0	10303.2	10329.5	10338.2	10395.2	10401.8	10423.7	10436.9
5°	10237.4	10228.7	10255.0	10259.4	10274.7	10279.1	10292.2	10331.7	10327.3	10360.2	10366.7
7.5°	10143.2	10132.3	10154.2	10158.6	10180.5	10173.9	10195.8	10224.3	10224.3	10248.4	10259.4
10°	9932.9	9930.7	9952.6	9954.8	9985.5	9978.9	10013.9	10020.5	10038.0	10055.6	10075.3
12.5°	9680.9	9652.4	9680.9	9669.9	9711.6	9687.4	9735.7	9751.0	9759.8	9790.4	9805.8
15°	9356.6	9321.5	9341.2	9330.3	9356.6	9325.9	9376.3	9407.0	9417.9	9448.6	9463.9
17.5°	8922.7	8894.2	8898.6	8883.3	8900.8	8876.7	8924.9	8973.1	8988.4	9021.3	9043.2
20°	8377.1	8377.1	8379.3	8366.1	8381.5	8357.4	8388.0	8462.5	8477.9	8521.7	8559.0
22.5°	7844.6	7844.6	7851.2	7833.7	7838.0	7827.1	7860.0	7932.3	7956.4	8002.4	8048.4
25°	7334.1	7325.3	7329.7	7314.3	7296.8	7301.2	7340.6	7386.7	7439.2	7498.4	7533.5
27.5°	6847.6	6858.6	6832.3	6821.3	6808.2	6784.1	6830.1	6887.1	6924.3	6972.5	6990.0
30°	6328.3	6350.2	6330.5	6321.7	6288.8	6258.2	6306.4	6363.3	6400.6	6446.6	6466.3
32.5°	5865.9	5859.4	5841.8	5822.1	5789.2	5765.1	5784.9	5850.6	5879.1	5927.3	5933.9
35°	5370.7	5366.3	5355.4	5315.9	5305.0	5276.5	5294.0	5351.0	5372.9	5401.4	5423.3
37.5°	4886.5	4871.1	4866.7	4851.4	4831.7	4825.1	4825.1	4855.8	4877.7	4906.2	4928.1
40°	4406.6	4411.0	4397.8	4384.7	4378.1	4369.3	4371.5	4389.0	4406.6	4419.7	4432.9
42.5°	3972.7	3948.6	3939.8	3926.7	3933.3	3944.2	3920.1	3946.4	3968.3	3968.3	3996.8
45°	3475.3	3486.3	3490.6	3512.5	3512.5	3501.6	3492.8	3506.0	3527.9	3525.7	3554.2
47.5°	3041.4	3028.3	3039.2	3072.1	3100.6	3105.0	3078.7	3085.3	3091.8	3080.9	3107.2
50°	2565.9	2570.3	2568.1	2618.5	2675.5	2655.8	2636.1	2642.6	2640.4	2640.4	2644.8
52.5°	2048.8	2059.8	2046.6	2118.9	2180.3	2164.9	2151.8	2151.8	2162.7	2160.6	2158.4
55°	1577.7	1573.3	1544.8	1579.9	1634.7	1636.9	1617.1	1625.9	1636.9	1647.8	1645.6
57.5°	1174.5	1161.4	1121.9	1124.1	1185.5	1200.8	1183.3	1181.1	1194.2	1198.6	1222.7
60°	791.0	788.8	753.8	751.6	775.7	817.3	797.6	797.6	802.0	808.6	815.1
62.5°	541.2	545.6	532.5	530.3	534.7	569.7	567.5	565.3	563.1	571.9	569.7
65°	425.1	427.3	422.9	422.9	425.1	440.4	455.8	458.0	460.2	462.4	460.2
67.5°	341.8	344.0	339.6	344.0	344.0	346.2	368.1	376.9	379.1	379.1	376.9
70°	262.9	271.7	276.1	276.1	276.1	276.1	291.4	302.4	300.2	287.1	273.9
72.5°	131.5	160.0	221.3	223.5	221.3	219.1	227.9	238.8	236.7	166.5	124.9
75°	87.6	94.2	173.1	181.9	179.7	170.9	179.7	192.8	188.4	107.4	103.0
77.5°	50.4	54.8	116.1	133.7	144.6	124.9	142.4	155.6	149.0	87.6	85.5
80°	39.4	37.3	83.3	103.0	98.6	78.9	116.1	124.9	113.9	65.7	59.2
82.5°	24.1	24.1	54.8	78.9	72.3	46.0	81.1	96.4	85.5	48.2	43.8
85°	13.1	15.3	26.3	39.4	41.6	30.7	43.8	52.6	52.6	30.7	30.7
87.5°	6.6	6.6	8.8	8.8	11.0	13.1	13.1	15.3	11.0	8.8	8.8
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)