

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: P524097

Luminaire Tested: **IFLD-L-SA8B-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524097
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

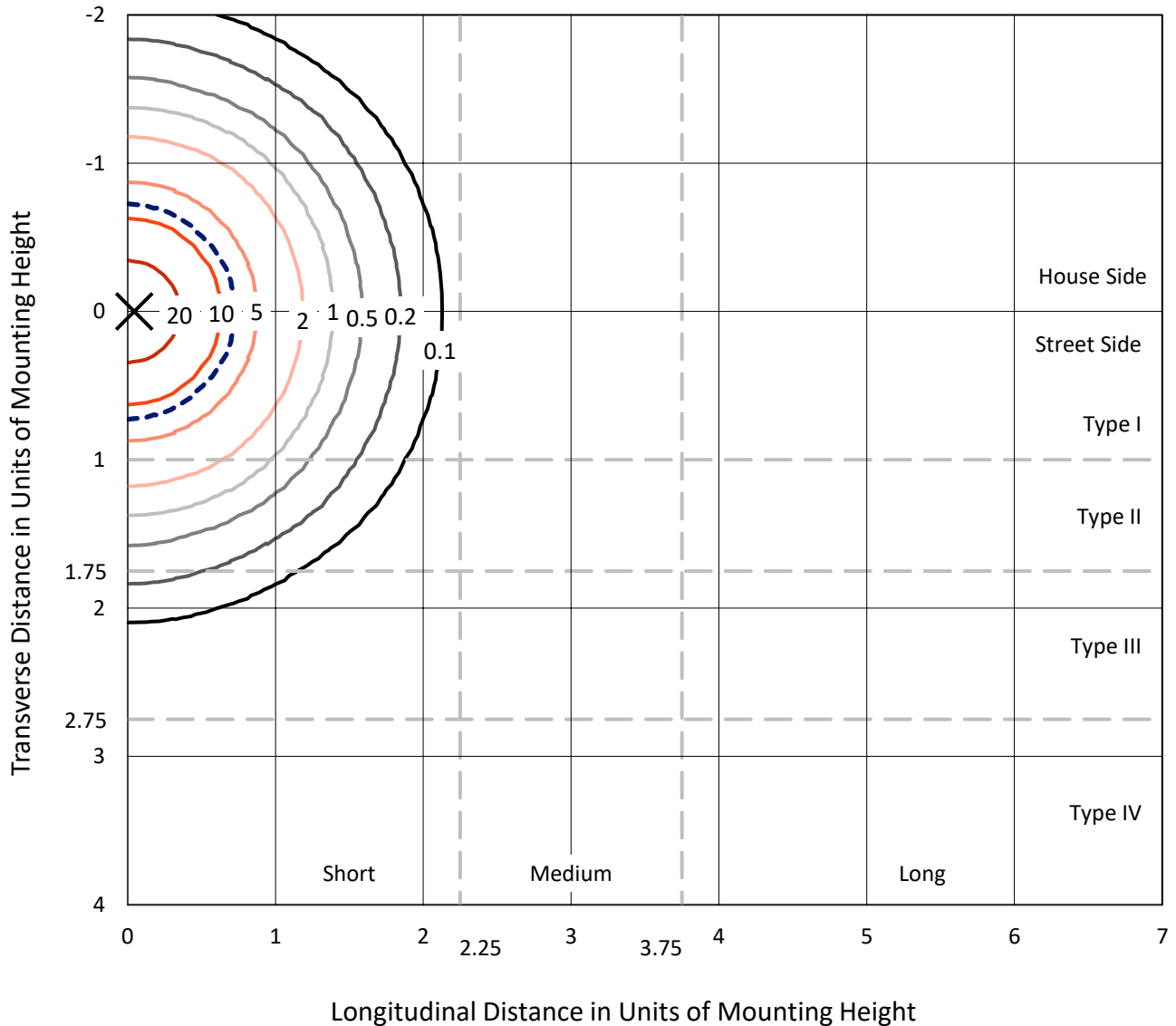
Lumens per Lamp: N/A
Luminaire Lumens: 26297.1 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 320
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

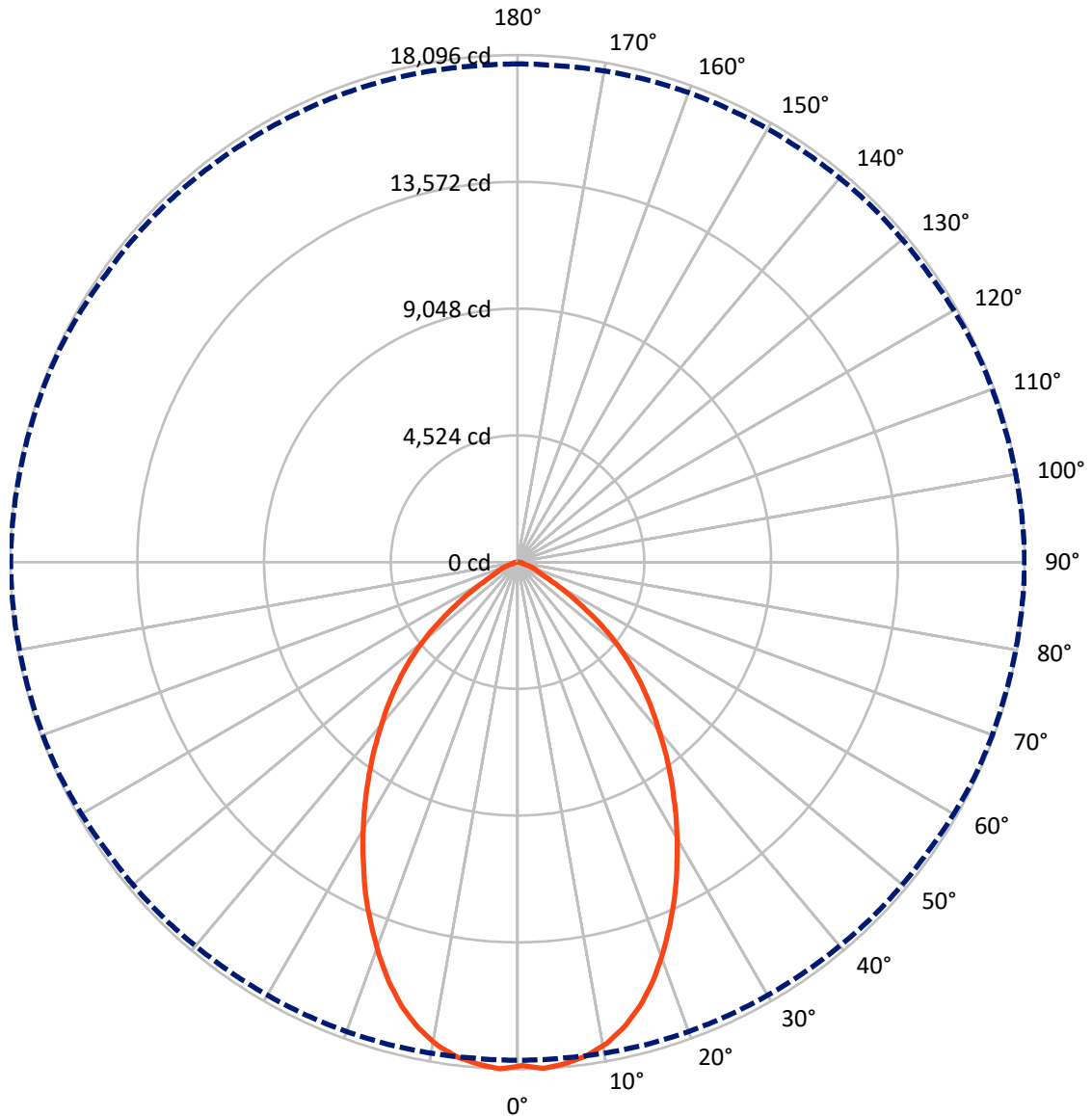
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 28.8 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	13148.5	0.0	13148.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13148.5	0.0	13148.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26297.1	0.0	26297.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1687.4	6.4
10°-20°	4534.1	17.2
20°-30°	5866.2	22.3
30°-40°	5785.5	22.0
40°-50°	4680.7	17.8
50°-60°	2548.5	9.7
60°-70°	807.5	3.1
70°-80°	312.4	1.2
80°-90°	74.7	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°	26297.1	100.0
0°-180°	26297.1	100.0

Coefficient of Utilization



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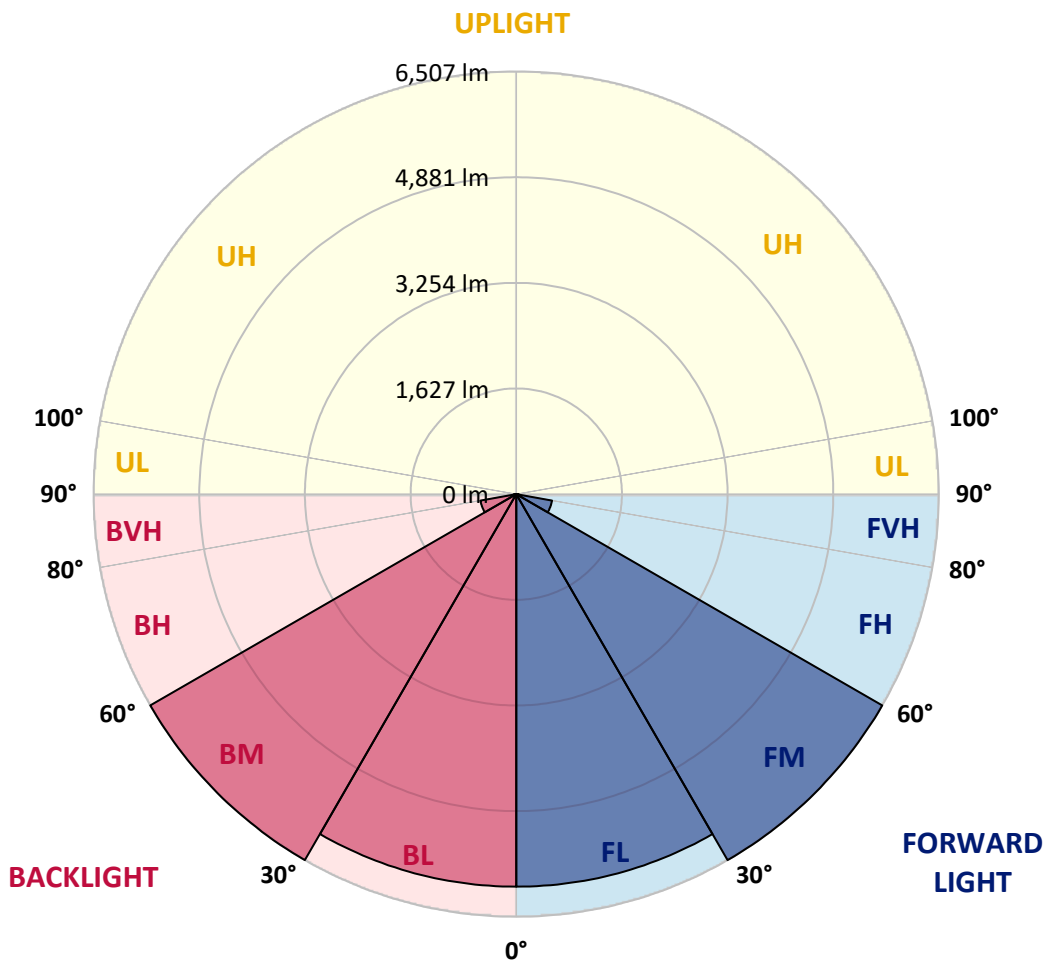
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6043.9	23.0			
FM (30°-60°)	6507.4	24.7			
FH (60°-80°)	560.0	2.1			G0/660
FVH (80°-90°)	37.3	0.1			G1/100
BL (0°-30°)	6043.9	23.0	B5		
BM (30°-60°)	6507.4	24.7	B4/8500		
BH (60°-80°)	560.0	2.1	B2/1000		G0/660
BVH (80°-90°)	37.3	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°	17974.7	17974.7	17974.7	17974.7	17974.7	17974.7	17974.7	17974.7	17974.7	17974.7	17974.7
2.5°	17781.0	17777.2	17822.8	17841.8	17864.5	17910.1	17925.3	18024.1	18035.5	18073.5	18096.3
5°	17750.6	17735.4	17781.0	17788.6	17815.2	17822.8	17845.5	17913.9	17906.3	17963.3	17974.7
7.5°	17587.2	17568.2	17606.2	17613.8	17651.8	17640.4	17678.4	17727.8	17727.8	17769.6	17788.6
10°	17222.5	17218.7	17256.7	17260.4	17313.6	17302.2	17363.0	17374.4	17404.8	17435.2	17469.4
12.5°	16785.5	16736.1	16785.5	16766.5	16838.7	16796.9	16880.5	16907.1	16922.3	16975.5	17002.1
15°	16223.2	16162.4	16196.6	16177.6	16223.2	16170.0	16257.4	16310.6	16329.6	16382.8	16409.4
17.5°	15471.0	15421.6	15429.2	15402.6	15433.0	15391.2	15474.8	15558.3	15584.9	15641.9	15679.9
20°	14524.9	14524.9	14528.7	14505.9	14532.5	14490.7	14543.9	14673.1	14699.7	14775.7	14840.3
22.5°	13601.7	13601.7	13613.1	13582.7	13590.3	13571.3	13628.3	13753.6	13795.4	13875.2	13955.0
25°	12716.4	12701.2	12708.8	12682.2	12651.8	12659.4	12727.8	12807.6	12898.8	13001.4	13062.2
27.5°	11873.0	11892.0	11846.4	11827.4	11804.6	11762.8	11842.6	11941.4	12005.9	12089.5	12119.9
30°	10972.5	11010.5	10976.3	10961.1	10904.1	10850.9	10934.5	11033.3	11097.9	11177.7	11211.9
32.5°	10170.9	10159.5	10129.1	10094.9	10037.9	9996.1	10030.3	10144.3	10193.7	10277.2	10288.6
35°	9312.2	9304.6	9285.6	9217.2	9198.2	9148.8	9179.2	9278.0	9316.0	9365.4	9403.4
37.5°	8472.6	8446.0	8438.4	8411.8	8377.6	8366.2	8366.2	8419.4	8457.4	8506.7	8544.7
40°	7640.5	7648.1	7625.3	7602.5	7591.1	7575.9	7579.7	7610.1	7640.5	7663.3	7686.1
42.5°	6888.2	6846.4	6831.2	6808.4	6819.8	6838.8	6797.0	6842.6	6880.6	6880.6	6930.0
45°	6025.8	6044.8	6052.4	6090.4	6090.4	6071.4	6056.2	6079.0	6117.0	6113.2	6162.5
47.5°	5273.5	5250.7	5269.7	5326.7	5376.1	5383.7	5338.1	5349.5	5360.9	5341.9	5387.5
50°	4449.0	4456.6	4452.8	4540.2	4639.0	4604.8	4570.6	4582.0	4578.2	4578.2	4585.8
52.5°	3552.4	3571.4	3548.6	3674.0	3780.4	3753.8	3731.0	3731.0	3750.0	3746.2	3742.4
55°	2735.5	2727.9	2678.5	2739.3	2834.3	2838.1	2803.9	2819.1	2838.1	2857.1	2853.3
57.5°	2036.5	2013.7	1945.3	1949.1	2055.4	2082.0	2051.6	2047.8	2070.6	2078.2	2120.0
60°	1371.6	1367.8	1307.0	1303.2	1345.0	1417.2	1383.0	1383.0	1390.6	1402.0	1413.4
62.5°	938.4	946.0	923.2	919.4	927.0	987.8	984.0	980.2	976.4	991.6	987.8
65°	737.1	740.9	733.3	733.3	737.1	763.7	790.3	794.1	797.9	801.7	797.9
67.5°	592.7	596.5	588.9	596.5	596.5	600.3	638.3	653.5	657.3	657.3	653.5
70°	455.9	471.1	478.7	478.7	478.7	478.7	505.3	524.3	520.5	497.7	474.9
72.5°	228.0	277.4	383.7	387.5	383.7	379.9	395.1	414.1	410.3	288.8	216.6
75°	152.0	163.4	300.1	315.3	311.5	296.3	311.5	334.3	326.7	186.2	178.6
77.5°	87.4	95.0	201.4	231.8	250.8	216.6	247.0	269.8	258.4	152.0	148.2
80°	68.4	64.6	144.4	178.6	171.0	136.8	201.4	216.6	197.6	114.0	102.6
82.5°	41.8	41.8	95.0	136.8	125.4	79.8	140.6	167.2	148.2	83.6	76.0
85°	22.8	26.6	45.6	68.4	72.2	53.2	76.0	91.2	91.2	53.2	53.2
87.5°	11.4	11.4	15.2	15.2	19.0	22.8	22.8	26.6	19.0	15.2	15.2
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)