

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: P524098

Luminaire Tested: **IFLD-L-SA8C-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524098
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-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

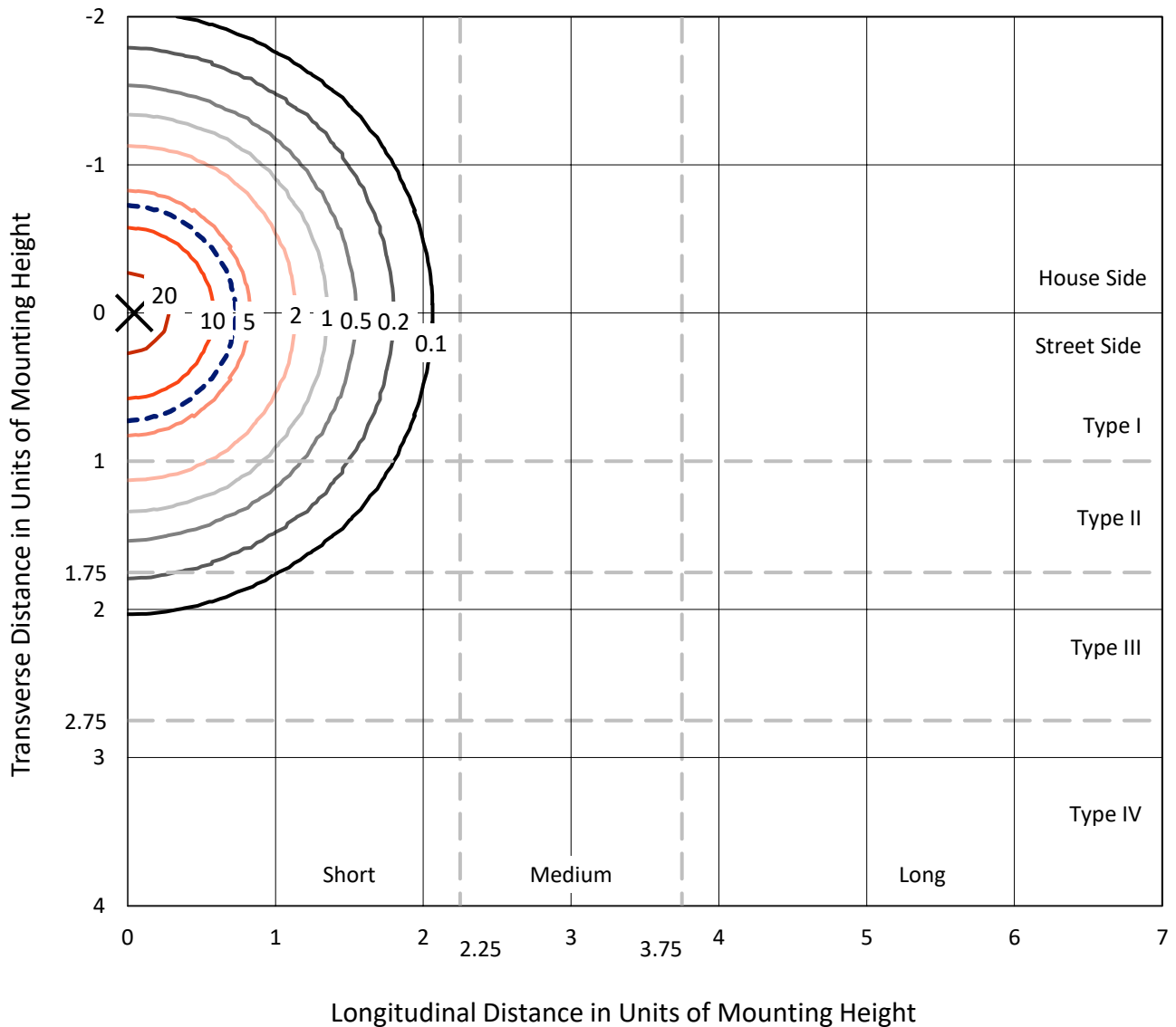
Lumens per Lamp: N/A
Luminaire Lumens: 32735.7 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 420.3
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

REPORT NUMBER: P524098
 CATALOG NUMBER: IFLD-L-SA8C-927-U-66

Iso-Footcandle Lines of Horizontal Illumination

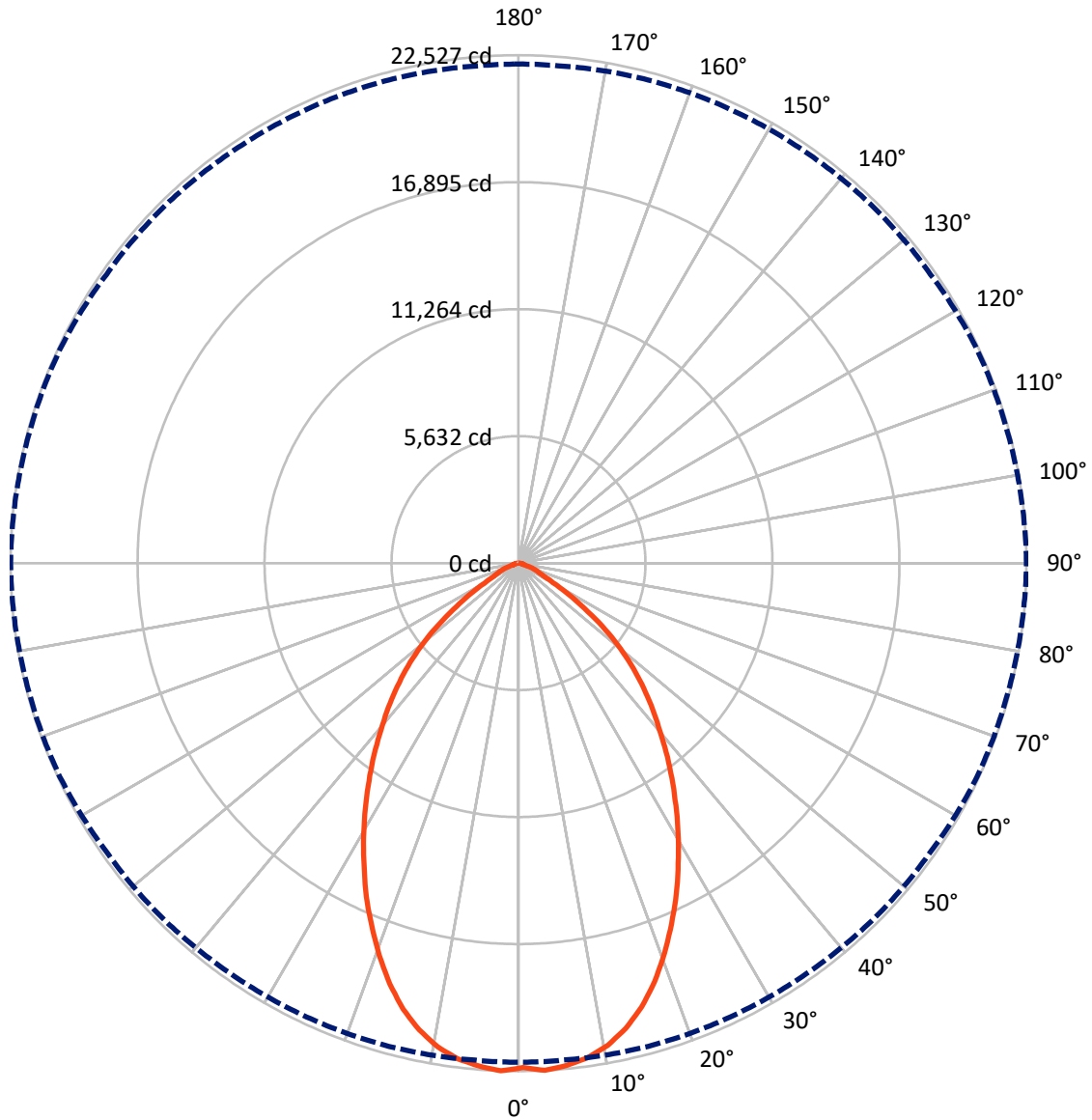
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 24.9 fc
 Type V - Short - N/A

REPORT NUMBER: P524098
CATALOG NUMBER: IFLD-L-SA8C-927-U-66

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	16367.8	0.0	16367.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16367.8	0.0	16367.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	32735.7	0.0	32735.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2100.6	6.4
10°-20°	5644.2	17.2
20°-30°	7302.5	22.3
30°-40°	7202.0	22.0
40°-50°	5826.8	17.8
50°-60°	3172.5	9.7
60°-70°	1005.2	3.1
70°-80°	388.9	1.2
80°-90°	93.0	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°	32735.7	100.0
0°-180°	32735.7	100.0

Coefficient of Utilization



REPORT NUMBER: P524098

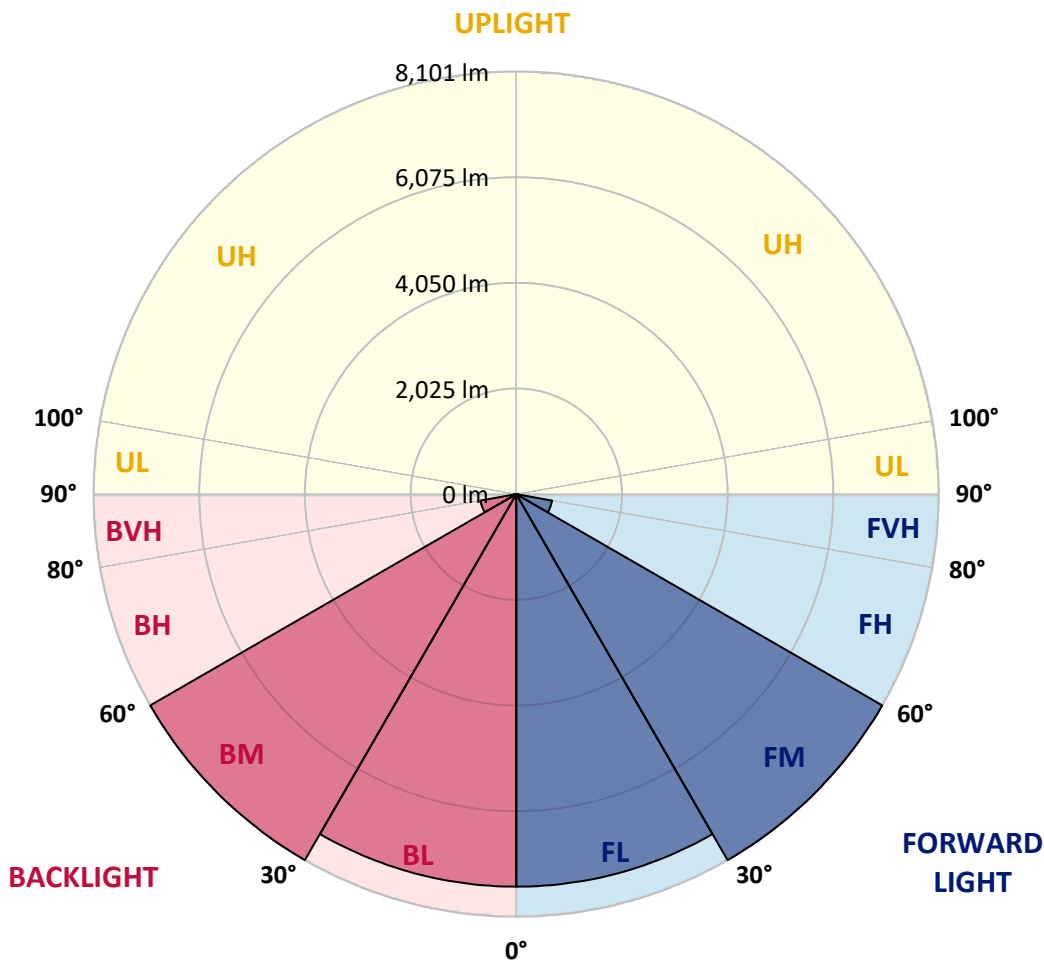
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7523.7	23.0			
FM (30°-60°)	8100.7	24.7			
FH (60°-80°)	697.1	2.1			G1/1800
FVH (80°-90°)	46.5	0.1			G1/100
BL (0°-30°)	7523.7	23.0	B5		
BM (30°-60°)	8100.7	24.7	B4/8500		
BH (60°-80°)	697.1	2.1	B2/1000		G1/1800
BVH (80°-90°)	46.5	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°	22375.7	22375.7	22375.7	22375.7	22375.7	22375.7	22375.7	22375.7	22375.7	22375.7	22375.7
2.5°	22134.5	22129.8	22186.5	22210.2	22238.6	22295.3	22314.2	22437.2	22451.4	22498.7	22527.1
5°	22096.7	22077.8	22134.5	22144.0	22177.1	22186.5	22214.9	22300.0	22290.6	22361.5	22375.7
7.5°	21893.3	21869.7	21916.9	21926.4	21973.7	21959.5	22006.8	22068.3	22068.3	22120.3	22144.0
10°	21439.3	21434.5	21481.8	21486.6	21552.8	21538.6	21614.3	21628.4	21666.3	21704.1	21746.7
12.5°	20895.4	20833.9	20895.4	20871.7	20961.6	20909.5	21013.6	21046.7	21065.6	21131.8	21164.9
15°	20195.4	20119.7	20162.3	20138.6	20195.4	20129.2	20237.9	20304.2	20327.8	20394.0	20427.1
17.5°	19258.9	19197.4	19206.9	19173.8	19211.6	19159.6	19263.6	19367.7	19400.8	19471.7	19519.0
20°	18081.2	18081.2	18086.0	18057.6	18090.7	18038.7	18104.9	18265.7	18298.8	18393.4	18473.8
22.5°	16932.0	16932.0	16946.1	16908.3	16917.8	16894.1	16965.1	17121.1	17173.2	17272.5	17371.8
25°	15830.0	15811.0	15820.5	15787.4	15749.6	15759.0	15844.1	15943.5	16057.0	16184.7	16260.4
27.5°	14780.0	14803.6	14746.9	14723.2	14694.9	14642.8	14742.1	14865.1	14945.5	15049.6	15087.4
30°	13659.1	13706.4	13663.8	13644.9	13573.9	13507.7	13611.8	13734.7	13815.1	13914.5	13957.0
32.5°	12661.1	12646.9	12609.1	12566.5	12495.6	12443.6	12486.1	12628.0	12689.5	12793.6	12807.7
35°	11592.2	11582.8	11559.1	11474.0	11450.4	11388.9	11426.7	11549.7	11597.0	11658.5	11705.7
37.5°	10547.0	10513.9	10504.4	10471.3	10428.8	10414.6	10414.6	10480.8	10528.1	10589.6	10636.9
40°	9511.2	9520.7	9492.3	9463.9	9449.7	9430.8	9435.5	9473.4	9511.2	9539.6	9568.0
42.5°	8574.8	8522.7	8503.8	8475.4	8489.6	8513.3	8461.2	8518.0	8565.3	8565.3	8626.8
45°	7501.1	7524.8	7534.2	7581.5	7581.5	7557.9	7539.0	7567.4	7614.6	7609.9	7671.4
47.5°	6564.7	6536.3	6559.9	6630.9	6692.4	6701.8	6645.1	6659.3	6673.5	6649.8	6706.6
50°	5538.4	5547.8	5543.1	5651.9	5774.8	5732.3	5689.7	5703.9	5699.2	5699.2	5708.6
52.5°	4422.2	4445.8	4417.4	4573.5	4705.9	4672.8	4644.5	4644.5	4668.1	4663.4	4658.7
55°	3405.3	3395.8	3334.4	3410.0	3528.3	3533.0	3490.4	3509.4	3533.0	3556.7	3551.9
57.5°	2535.1	2506.7	2421.6	2426.3	2558.7	2591.8	2554.0	2549.3	2577.6	2587.1	2639.1
60°	1707.4	1702.7	1627.0	1622.3	1674.3	1764.1	1721.6	1721.6	1731.0	1745.2	1759.4
62.5°	1168.2	1177.7	1149.3	1144.6	1154.0	1229.7	1225.0	1220.2	1215.5	1234.4	1229.7
65°	917.5	922.3	912.8	912.8	917.5	950.6	983.8	988.5	993.2	997.9	993.2
67.5°	737.8	742.5	733.1	742.5	742.5	747.3	794.6	813.5	818.2	818.2	813.5
70°	567.6	586.5	595.9	595.9	595.9	595.9	629.0	652.7	648.0	619.6	591.2
72.5°	283.8	345.3	477.7	482.4	477.7	473.0	491.9	515.5	510.8	359.4	269.6
75°	189.2	203.4	373.6	392.6	387.8	368.9	387.8	416.2	406.7	231.8	222.3
77.5°	108.8	118.2	250.7	288.5	312.2	269.6	307.4	335.8	321.6	189.2	184.5
80°	85.1	80.4	179.7	222.3	212.8	170.3	250.7	269.6	245.9	141.9	127.7
82.5°	52.0	52.0	118.2	170.3	156.1	99.3	175.0	208.1	184.5	104.1	94.6
85°	28.4	33.1	56.8	85.1	89.9	66.2	94.6	113.5	113.5	66.2	66.2
87.5°	14.2	14.2	18.9	18.9	23.6	28.4	28.4	33.1	23.6	18.9	18.9
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)