

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: P524291

Luminaire Tested: **IFLD-L-SA8A-927-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524291
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21104.3 lumens
Efficiency: N/A
Efficacy: 85.2 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): 247.8
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

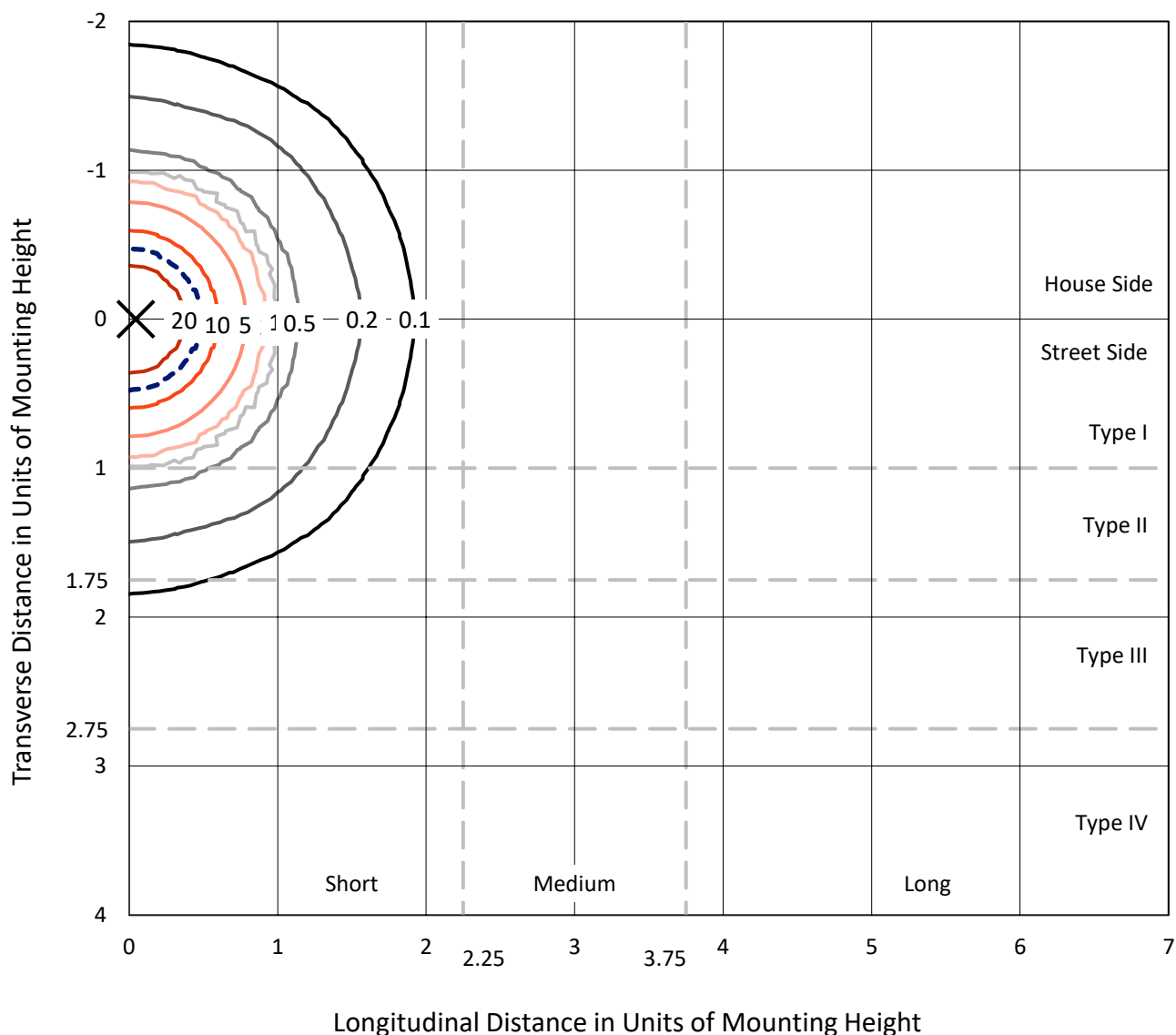
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

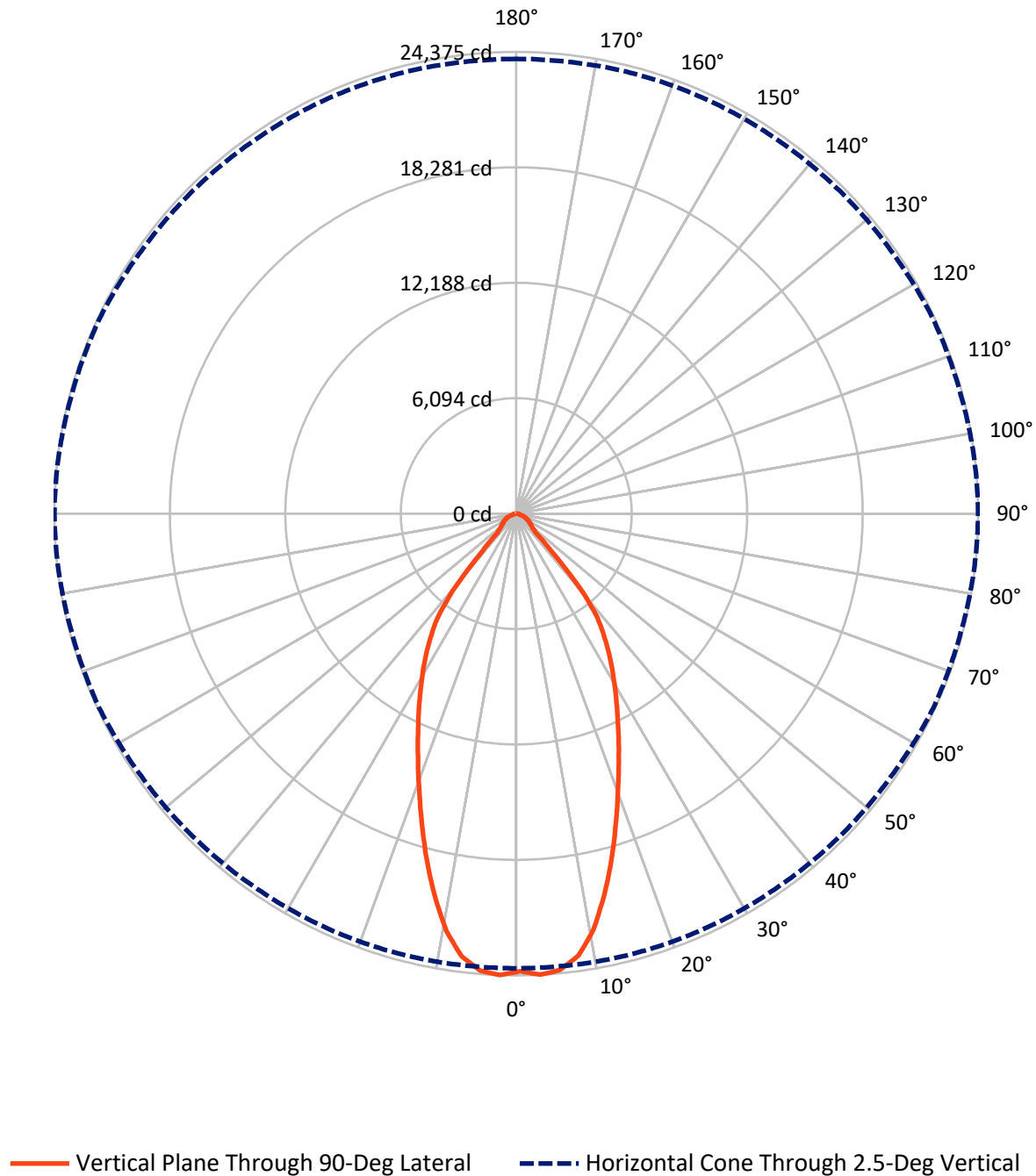


Based on 25 foot mounting height. Maximum calculated value = 38.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10552.2	0.0	10552.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10552.2	0.0	10552.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	21104.3	0.0	21104.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2227.0	10.6
10°-20°	5140.9	24.4
20°-30°	5644.2	26.7
30°-40°	4893.9	23.2
40°-50°	1610.3	7.6
50°-60°	722.0	3.4
60°-70°	510.3	2.4
70°-80°	277.1	1.3
80°-90°	78.6	0.4
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°	21104.3	100.0
0°-180°	21104.3	100.0

Coefficient of Utilization



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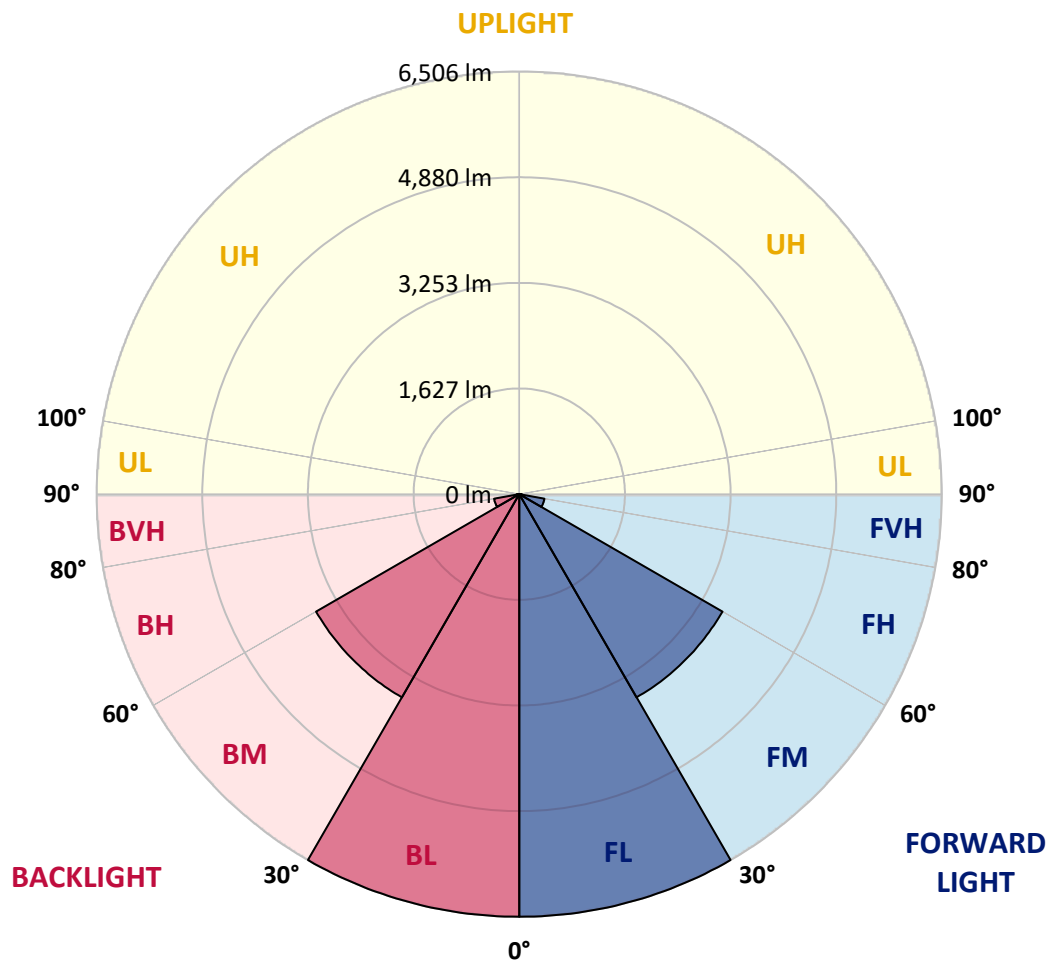
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6506.0	30.8			
FM	(30°-60°)	3613.1	17.1			
FH	(60°-80°)	393.7	1.9			G0/660
FVH	(80°-90°)	39.3	0.2			G1/100
BL	(0°-30°)	6506.0	30.8	B5		
BM	(30°-60°)	3613.1	17.1	B3/5000		
BH	(60°-80°)	393.7	1.9	B1/500		G0/660
BVH	(80°-90°)	39.3	0.2			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°
0°	24157.9	24157.9	24157.9	24157.9	24157.9	24157.9	24157.9	24157.9	24157.9	24157.9
2.5°	24007.6	24004.4	24042.8	24061.9	24071.5	24116.3	24161.1	24279.4	24282.6	24352.9
5°	23975.6	23946.8	23972.4	23934.0	23943.6	23943.6	24001.2	24087.5	24119.5	24189.8
7.5°	23262.5	23256.1	23240.2	23198.6	23249.7	23214.6	23320.1	23396.8	23470.4	23505.6
10°	21932.3	21871.6	21871.6	21814.0	21865.2	21817.2	21989.9	22060.2	22184.9	22258.5
12.5°	20212.0	20186.4	20189.6	20164.1	20160.9	20093.7	20295.2	20355.9	20467.8	20576.6
15°	18376.6	18338.2	18373.4	18373.4	18344.6	18283.9	18498.1	18581.3	18744.3	18795.5
17.5°	16563.6	16547.6	16570.0	16579.6	16557.2	16499.6	16707.5	16889.7	17001.6	17001.6
20°	14900.8	14894.4	14923.2	14894.4	14872.0	14833.7	15025.5	15201.4	15300.5	15306.9
22.5°	13439.5	13474.7	13449.1	13413.9	13366.0	13337.2	13513.1	13676.1	13743.3	13810.4
25°	12157.3	12166.9	12186.1	12131.7	12074.1	12039.0	12170.1	12307.6	12413.1	12451.5
27.5°	11102.1	11137.2	11089.3	11006.1	10974.2	10932.6	11025.3	11124.4	11201.2	11255.6
30°	10075.6	10094.8	10104.4	10018.1	9941.3	9880.6	9957.3	10043.7	10072.4	10120.4
32.5°	9090.8	9122.8	9154.7	9049.2	8994.8	8937.3	8975.7	9030.0	9046.0	9049.2
35°	8109.1	8086.7	8058.0	8019.6	7978.0	7907.7	7946.0	7965.2	7978.0	7978.0
37.5°	6922.8	6942.0	6948.4	6874.8	6855.7	6807.7	6833.3	6836.5	6862.0	6878.0
40°	5237.7	5304.8	5260.1	5215.3	5221.7	5164.1	5154.5	5141.7	5199.3	5221.7
42.5°	2849.1	2964.2	2845.9	2884.2	2855.5	2823.5	2813.9	2829.9	2756.3	2695.6
45°	1432.5	1426.1	1451.7	1451.7	1477.3	1486.9	1464.5	1445.3	1435.7	1410.1
47.5°	1154.3	1135.1	1132.0	1147.9	1167.1	1179.9	1160.7	1151.1	1147.9	1163.9
50°	991.3	962.5	952.9	975.3	991.3	1004.0	988.1	988.1	984.9	1010.4
52.5°	863.4	834.6	834.6	879.3	892.1	904.9	895.3	895.3	895.3	924.1
55°	764.2	741.8	716.3	773.8	815.4	828.2	821.8	818.6	821.8	853.8
57.5°	687.5	674.7	658.7	671.5	735.4	751.4	748.2	748.2	754.6	780.2
60°	613.9	607.5	601.1	601.1	652.3	681.1	677.9	677.9	684.3	700.3
62.5°	546.8	540.4	534.0	540.4	559.6	604.3	604.3	607.5	617.1	623.5
65°	479.6	476.4	476.4	479.6	486.0	521.2	534.0	543.6	553.2	556.4
67.5°	415.7	412.5	415.7	422.1	422.1	438.1	466.8	476.4	486.0	486.0
70°	335.7	351.7	361.3	364.5	370.9	374.1	399.7	418.9	428.5	415.7
72.5°	182.3	207.8	313.4	323.0	326.2	329.4	348.5	370.9	377.3	246.2
75°	131.1	131.1	262.2	278.2	281.4	281.4	297.4	319.8	326.2	188.7
77.5°	86.3	83.1	182.3	201.4	230.2	185.5	243.0	268.6	275.0	156.7
80°	67.1	64.0	140.7	156.7	159.9	127.9	198.3	217.4	220.6	127.9
82.5°	51.2	48.0	102.3	115.1	124.7	83.1	140.7	166.3	172.7	111.9
85°	28.8	28.8	51.2	48.0	73.5	54.4	79.9	83.1	111.9	70.3
87.5°	9.6	12.8	22.4	22.4	25.6	22.4	32.0	32.0	35.2	25.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

24157.9
24375.3
24202.6
23563.1
22338.4
20650.1
18865.8
17043.2
15342.1
13848.8
12477.0
11271.5
10130.0
9087.6
8016.4
6945.2
5250.5
2724.4
1432.5
1176.7
1042.4
956.1
872.9
799.4
713.1
633.1
562.8
486.0
367.7
211.0
185.5
153.5
115.1
115.1
67.1
19.2
0.0