

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: P524282

Luminaire Tested: **IFLD-M-SA4B-927-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524282
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14304.3 lumens
Efficiency: N/A
Efficacy: 86.1 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

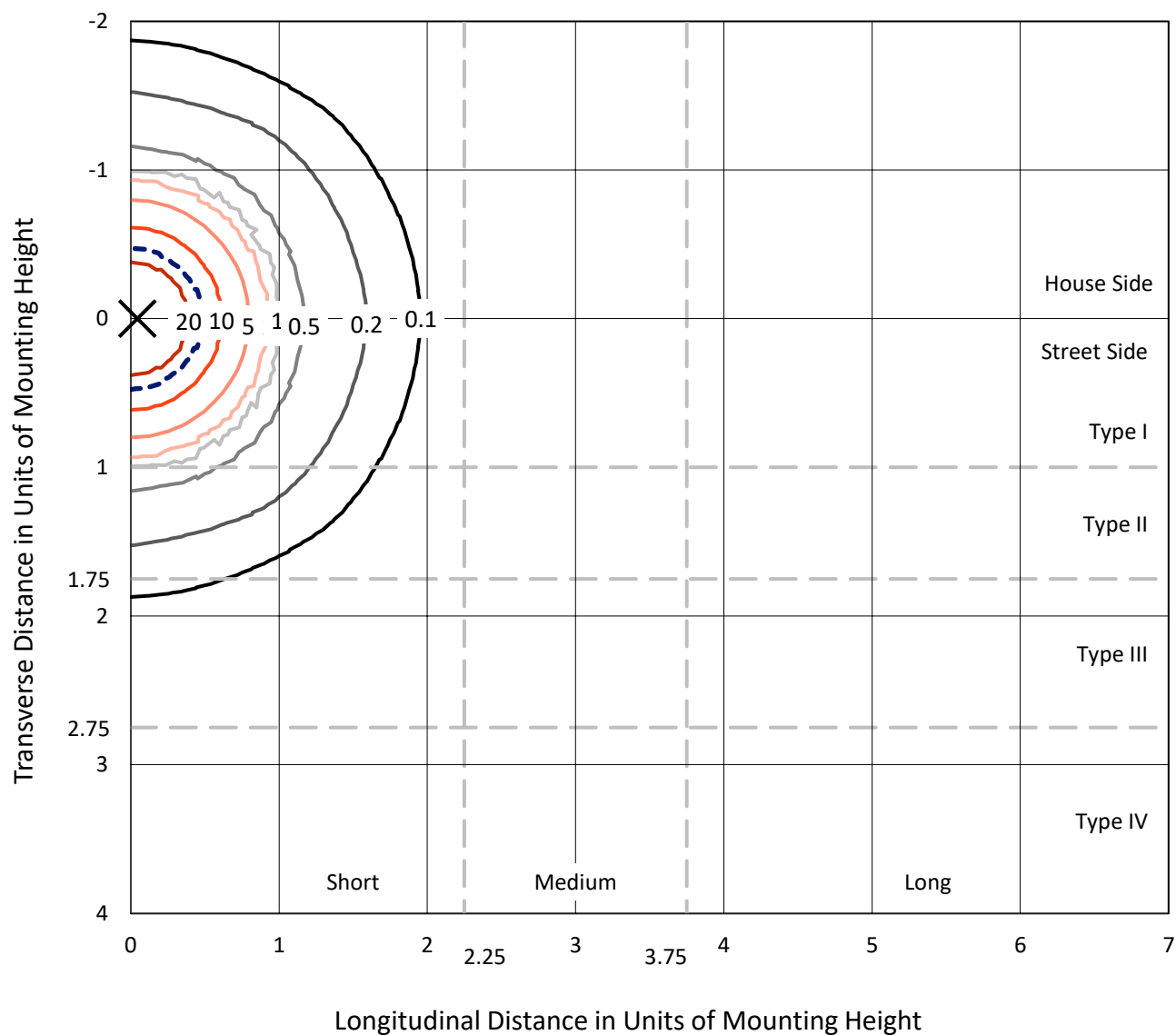
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

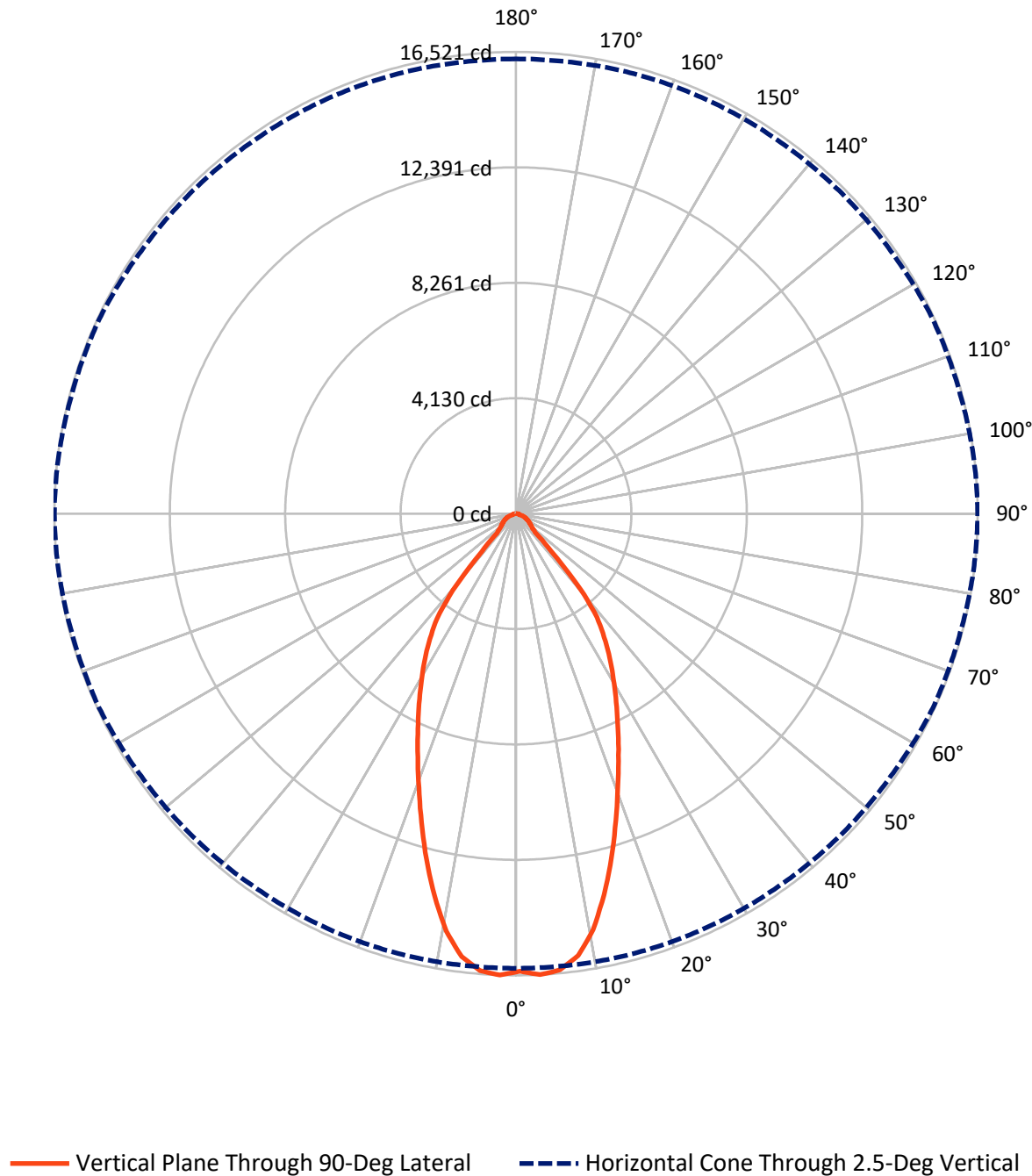


Based on 20 foot mounting height. Maximum calculated value = 40.9 fc

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	7152.2	0.0	7152.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7152.2	0.0	7152.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	14304.3	0.0	14304.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1509.5	10.6
10°-20°	3484.4	24.4
20°-30°	3825.6	26.7
30°-40°	3317.1	23.2
40°-50°	1091.5	7.6
50°-60°	489.4	3.4
60°-70°	345.9	2.4
70°-80°	187.8	1.3
80°-90°	53.3	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°	14304.3	100.0
0°-180°	14304.3	100.0

Coefficient of Utilization



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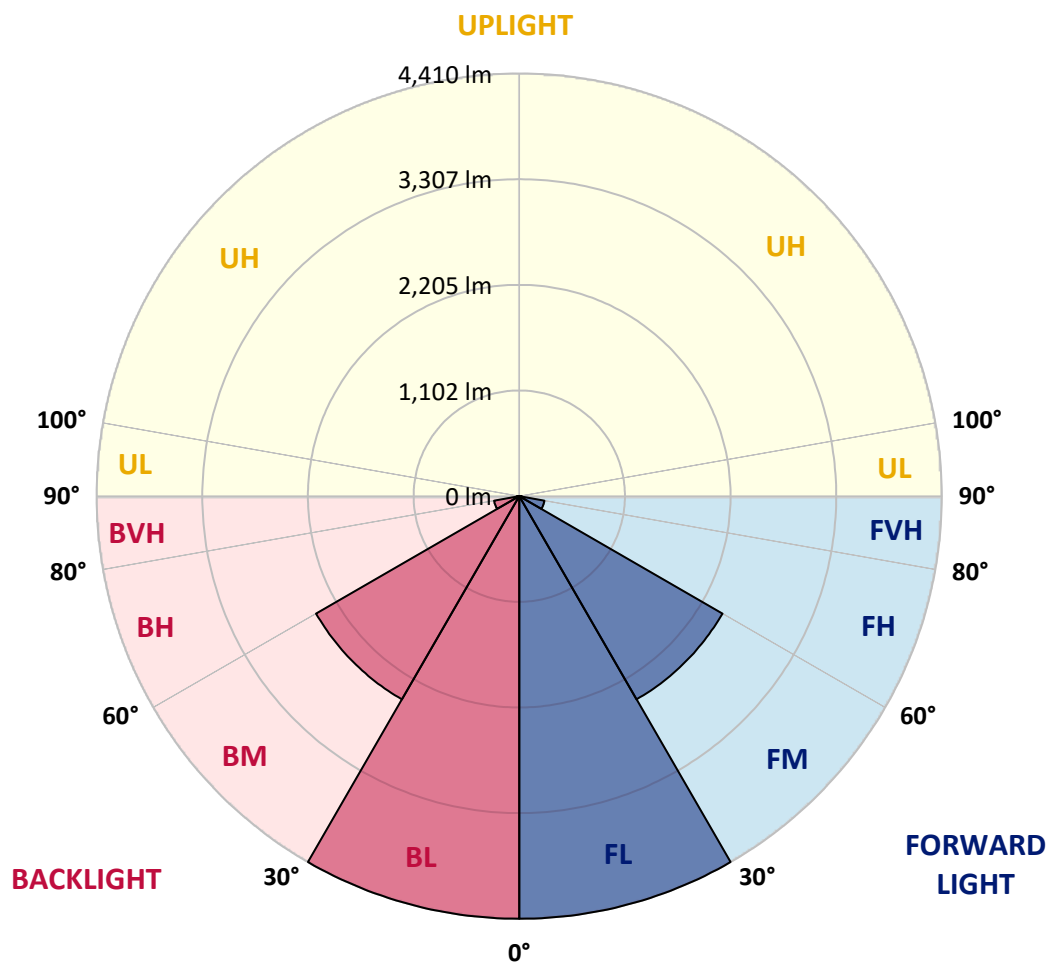
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4409.7	30.8			
FM	(30°-60°)	2448.9	17.1			
FH	(60°-80°)	266.8	1.9			G0/660
FVH	(80°-90°)	26.6	0.2			G1/100
BL	(0°-30°)	4409.7	30.8	B4/5000		
BM	(30°-60°)	2448.9	17.1	B2/2500		
BH	(60°-80°)	266.8	1.9	B1/500		G0/660
BVH	(80°-90°)	26.6	0.2			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°
0°	16374.0	16374.0	16374.0	16374.0	16374.0	16374.0	16374.0	16374.0	16374.0	16374.0
2.5°	16272.1	16269.9	16295.9	16308.9	16315.5	16345.8	16376.1	16456.3	16458.5	16506.2
5°	16250.4	16230.9	16248.3	16222.3	16228.8	16228.8	16267.8	16326.3	16348.0	16395.6
7.5°	15767.1	15762.8	15752.0	15723.8	15758.5	15734.6	15806.1	15858.1	15908.0	15931.8
10°	14865.5	14824.3	14824.3	14785.3	14820.0	14787.5	14904.5	14952.2	15036.7	15086.6
12.5°	13699.5	13682.2	13684.3	13667.0	13664.8	13619.3	13755.9	13797.0	13872.9	13946.6
15°	12455.5	12429.5	12453.3	12453.3	12433.8	12392.6	12537.8	12594.2	12704.7	12739.4
17.5°	11226.6	11215.8	11231.0	11237.5	11222.3	11183.3	11324.2	11447.7	11523.5	11523.5
20°	10099.6	10095.3	10114.8	10095.3	10080.1	10054.1	10184.2	10303.4	10370.5	10374.9
22.5°	9109.2	9133.0	9115.7	9091.8	9059.3	9039.8	9159.0	9269.6	9315.1	9360.6
25°	8240.1	8246.6	8259.6	8222.7	8183.7	8159.9	8248.8	8341.9	8413.5	8439.5
27.5°	7524.9	7548.7	7516.2	7459.9	7438.2	7410.0	7472.9	7540.0	7592.1	7628.9
30°	6829.2	6842.2	6848.7	6790.2	6738.1	6697.0	6749.0	6807.5	6827.0	6859.5
32.5°	6161.6	6183.3	6205.0	6133.5	6096.6	6057.6	6083.6	6120.5	6131.3	6133.5
35°	5496.3	5481.1	5461.6	5435.6	5407.4	5359.7	5385.7	5398.7	5407.4	5407.4
37.5°	4692.2	4705.2	4709.5	4659.7	4646.7	4614.2	4631.5	4633.7	4651.0	4661.9
40°	3550.0	3595.6	3565.2	3534.9	3539.2	3500.2	3493.7	3485.0	3524.0	3539.2
42.5°	1931.1	2009.1	1928.9	1954.9	1935.4	1913.7	1907.2	1918.1	1868.2	1827.0
45°	971.0	966.6	984.0	984.0	1001.3	1007.8	992.6	979.6	973.1	955.8
47.5°	782.4	769.4	767.2	778.1	791.1	799.7	786.7	780.2	778.1	788.9
50°	671.9	652.4	645.9	661.0	671.9	680.5	669.7	669.7	667.5	684.9
52.5°	585.2	565.7	565.7	596.0	604.7	613.3	606.8	606.8	606.8	626.4
55°	518.0	502.8	485.5	524.5	552.7	561.3	557.0	554.8	557.0	578.7
57.5°	466.0	457.3	446.5	455.1	498.5	509.3	507.1	507.1	511.5	528.8
60°	416.1	411.8	407.5	407.5	442.1	461.6	459.5	459.5	463.8	474.6
62.5°	370.6	366.3	361.9	366.3	379.3	409.6	409.6	411.8	418.3	422.6
65°	325.1	322.9	322.9	325.1	329.4	353.3	361.9	368.4	374.9	377.1
67.5°	281.7	279.6	281.7	286.1	286.1	296.9	316.4	322.9	329.4	329.4
70°	227.6	238.4	244.9	247.1	251.4	253.6	270.9	283.9	290.4	281.7
72.5°	123.5	140.9	212.4	218.9	221.1	223.2	236.2	251.4	255.7	166.9
75°	88.9	88.9	177.7	188.6	190.7	190.7	201.6	216.7	221.1	127.9
77.5°	58.5	56.3	123.5	136.5	156.0	125.7	164.7	182.1	186.4	106.2
80°	45.5	43.3	95.4	106.2	108.4	86.7	134.4	147.4	149.5	86.7
82.5°	34.7	32.5	69.4	78.0	84.5	56.3	95.4	112.7	117.0	75.9
85°	19.5	19.5	34.7	32.5	49.8	36.8	54.2	56.3	75.9	47.7
87.5°	6.5	8.7	15.2	15.2	17.3	15.2	21.7	21.7	23.8	17.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

16374.0
16521.3
16404.3
15970.8
15140.8
13996.4
12787.1
11551.7
10398.7
9386.6
8456.8
7639.7
6866.0
6159.5
5433.4
4707.4
3558.7
1846.5
971.0
797.6
706.5
648.0
591.7
541.8
483.3
429.1
381.4
329.4
249.2
143.0
125.7
104.0
78.0
78.0
45.5
13.0
0.0