

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: P524322

Luminaire Tested: **IFLD-M-SA4C-930-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524322
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18001.9 lumens
Efficiency: N/A
Efficacy: 82.5 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): 218.1
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

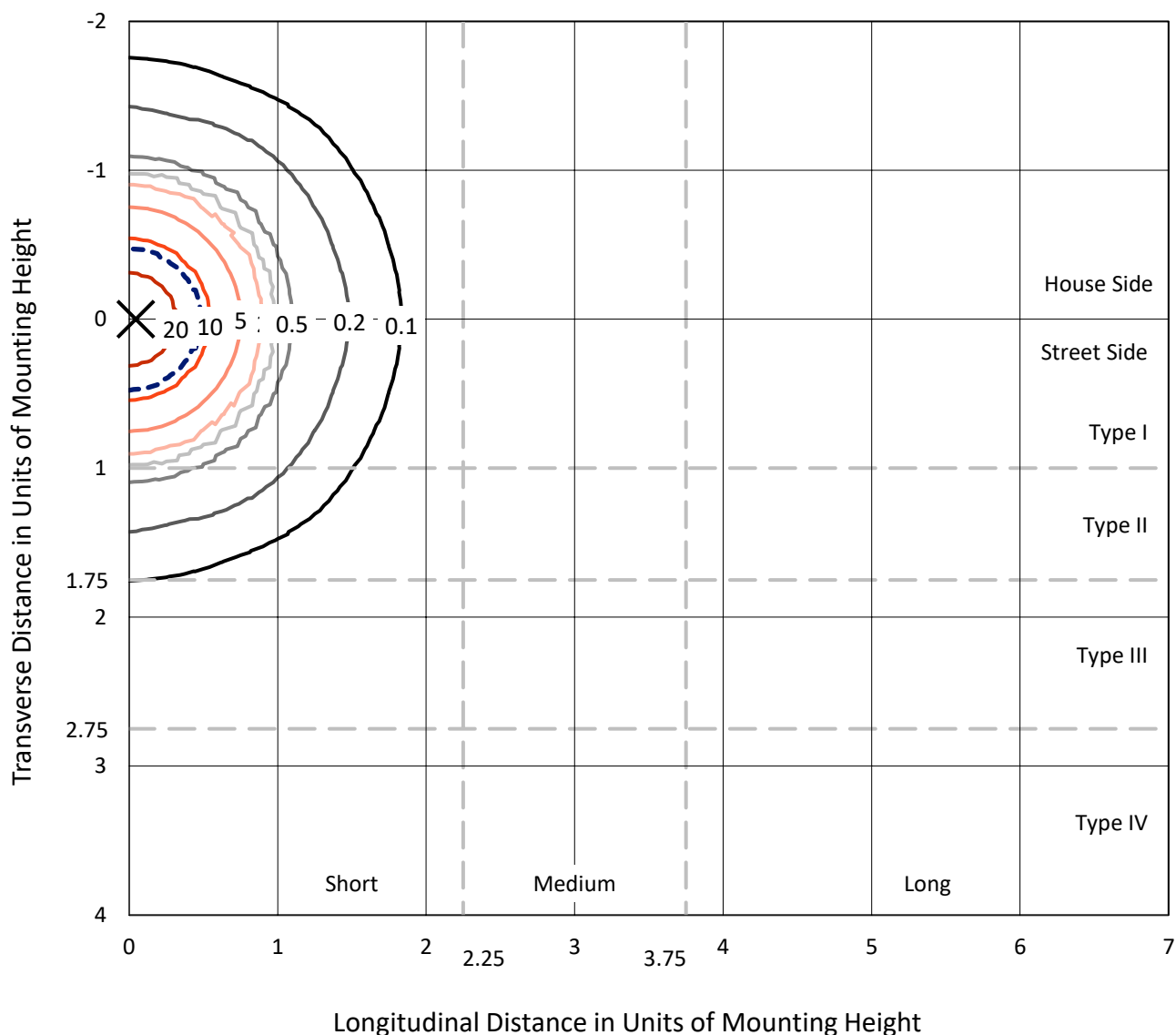
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

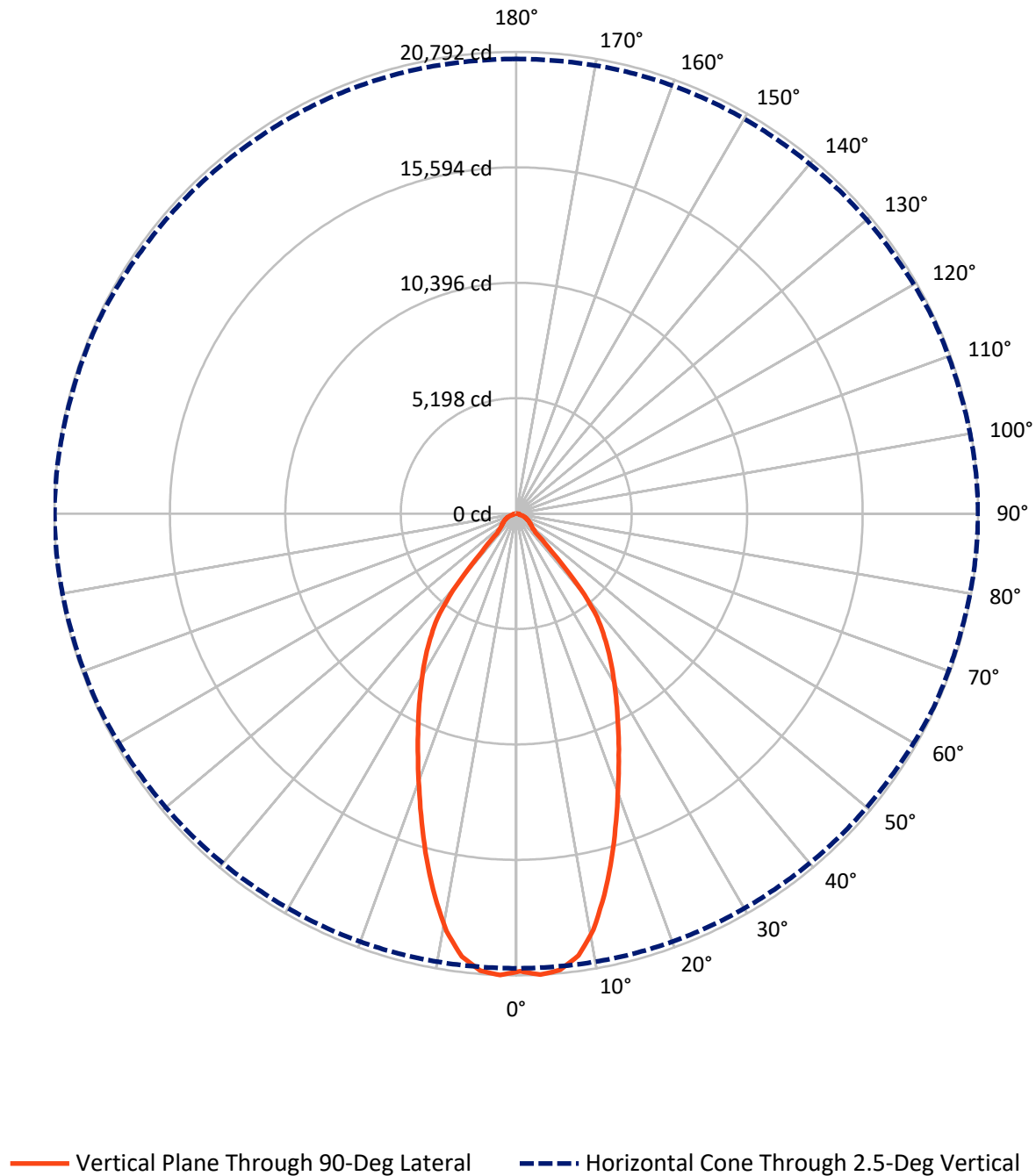


Based on 25 foot mounting height. Maximum calculated value = 33 fc

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	9000.9	0.0	9000.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9000.9	0.0	9000.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	18001.9	0.0	18001.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1899.6	10.6
10°-20°	4385.1	24.4
20°-30°	4814.5	26.7
30°-40°	4174.5	23.2
40°-50°	1373.6	7.6
50°-60°	615.9	3.4
60°-70°	435.3	2.4
70°-80°	236.4	1.3
80°-90°	67.0	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°	18001.9	100.0
0°-180°	18001.9	100.0

Coefficient of Utilization



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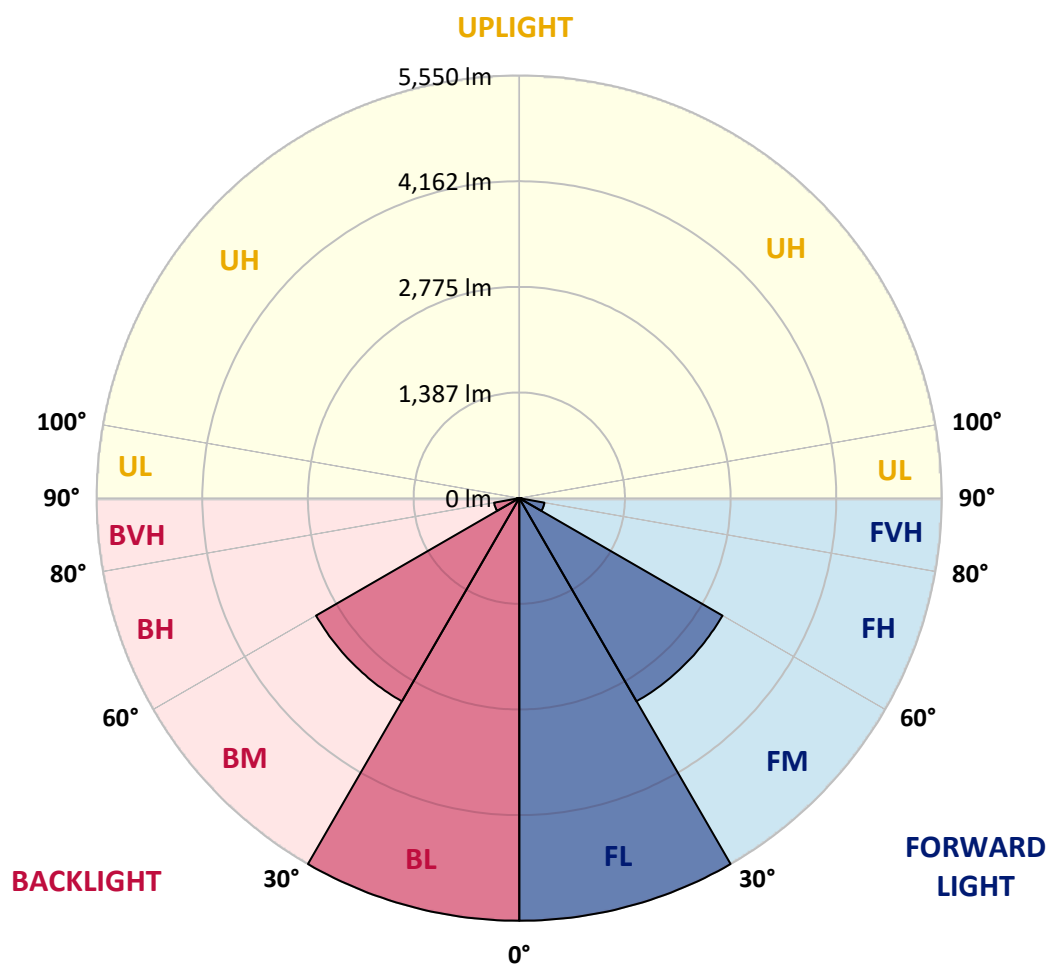
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5549.6	30.8			
FM	(30°-60°)	3082.0	17.1			
FH	(60°-80°)	335.8	1.9			G0/660
FVH	(80°-90°)	33.5	0.2			G1/100
BL	(0°-30°)	5549.6	30.8	B5		
BM	(30°-60°)	3082.0	17.1	B3/5000		
BH	(60°-80°)	335.8	1.9	B1/500		G0/660
BVH	(80°-90°)	33.5	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°	20606.5	20606.5	20606.5	20606.5	20606.5	20606.5	20606.5	20606.5	20606.5	20606.5
2.5°	20478.3	20475.6	20508.3	20524.7	20532.8	20571.0	20609.2	20710.1	20712.9	20772.9
5°	20451.0	20426.5	20448.3	20415.6	20423.7	20423.7	20472.8	20546.5	20573.8	20633.8
7.5°	19842.8	19837.3	19823.7	19788.2	19831.9	19801.9	19891.9	19957.3	20020.1	20050.1
10°	18708.1	18656.3	18656.3	18607.2	18650.8	18609.9	18757.2	18817.2	18923.6	18986.3
12.5°	17240.7	17218.9	17221.6	17199.8	17197.1	17139.8	17311.6	17363.5	17458.9	17551.7
15°	15675.1	15642.4	15672.4	15672.4	15647.8	15596.0	15778.8	15849.7	15988.8	16032.4
17.5°	14128.6	14115.0	14134.1	14142.2	14123.1	14074.1	14251.3	14406.8	14502.3	14502.3
20°	12710.3	12704.8	12729.4	12704.8	12685.7	12653.0	12816.7	12966.7	13051.2	13056.7
22.5°	11463.8	11493.8	11472.0	11442.0	11401.1	11376.5	11526.5	11665.6	11722.9	11780.2
25°	10370.1	10378.2	10394.6	10348.2	10299.2	10269.1	10381.0	10498.3	10588.3	10621.0
27.5°	9470.0	9500.0	9459.1	9388.2	9360.9	9325.4	9404.5	9489.1	9554.5	9600.9
30°	8594.4	8610.8	8619.0	8545.3	8479.9	8428.1	8493.5	8567.2	8591.7	8632.6
32.5°	7754.4	7781.6	7808.9	7718.9	7672.5	7623.4	7656.2	7702.5	7716.2	7718.9
35°	6917.0	6897.9	6873.4	6840.6	6805.2	6745.2	6777.9	6794.3	6805.2	6805.2
37.5°	5905.1	5921.5	5926.9	5864.2	5847.8	5806.9	5828.7	5831.5	5853.3	5866.9
40°	4467.7	4525.0	4486.8	4448.6	4454.1	4405.0	4396.8	4385.9	4435.0	4454.1
42.5°	2430.2	2528.4	2427.5	2460.2	2435.7	2408.4	2400.2	2413.9	2351.1	2299.3
45°	1221.9	1216.5	1238.3	1238.3	1260.1	1268.3	1249.2	1232.8	1224.7	1202.8
47.5°	984.6	968.3	965.5	979.2	995.5	1006.5	990.1	981.9	979.2	992.8
50°	845.5	821.0	812.8	831.9	845.5	856.4	842.8	842.8	840.1	861.9
52.5°	736.4	711.9	711.9	750.1	761.0	771.9	763.7	763.7	763.7	788.3
55°	651.9	632.8	611.0	660.1	695.5	706.4	701.0	698.2	701.0	728.3
57.5°	586.4	575.5	561.9	572.8	627.3	641.0	638.2	638.2	643.7	665.5
60°	523.7	518.2	512.8	512.8	556.4	581.0	578.2	578.2	583.7	597.3
62.5°	466.4	461.0	455.5	461.0	477.3	515.5	515.5	518.2	526.4	531.9
65°	409.1	406.4	406.4	409.1	414.6	444.6	455.5	463.7	471.9	474.6
67.5°	354.6	351.9	354.6	360.0	360.0	373.7	398.2	406.4	414.6	414.6
70°	286.4	300.0	308.2	310.9	316.4	319.1	340.9	357.3	365.5	354.6
72.5°	155.5	177.3	267.3	275.5	278.2	280.9	297.3	316.4	321.8	210.0
75°	111.8	111.8	223.7	237.3	240.0	240.0	253.7	272.8	278.2	160.9
77.5°	73.6	70.9	155.5	171.8	196.4	158.2	207.3	229.1	234.6	133.6
80°	57.3	54.6	120.0	133.6	136.4	109.1	169.1	185.5	188.2	109.1
82.5°	43.6	40.9	87.3	98.2	106.4	70.9	120.0	141.8	147.3	95.5
85°	24.5	24.5	43.6	40.9	62.7	46.4	68.2	70.9	95.5	60.0
87.5°	8.2	10.9	19.1	19.1	21.8	19.1	27.3	27.3	30.0	21.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

20606.5
20792.0
20644.7
20099.2
19054.5
17614.4
16092.4
14537.7
13086.7
11812.9
10642.8
9614.5
8640.8
7751.6
6837.9
5924.2
4478.6
2323.9
1221.9
1003.7
889.2
815.5
744.6
681.9
608.2
540.1
480.0
414.6
313.7
180.0
158.2
130.9
98.2
98.2
57.3
16.4
0.0