

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: P524360

Luminaire Tested: **IFLD-M-SA4B-935-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524360
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15003.1 lumens
Efficiency: N/A
Efficacy: 90.3 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

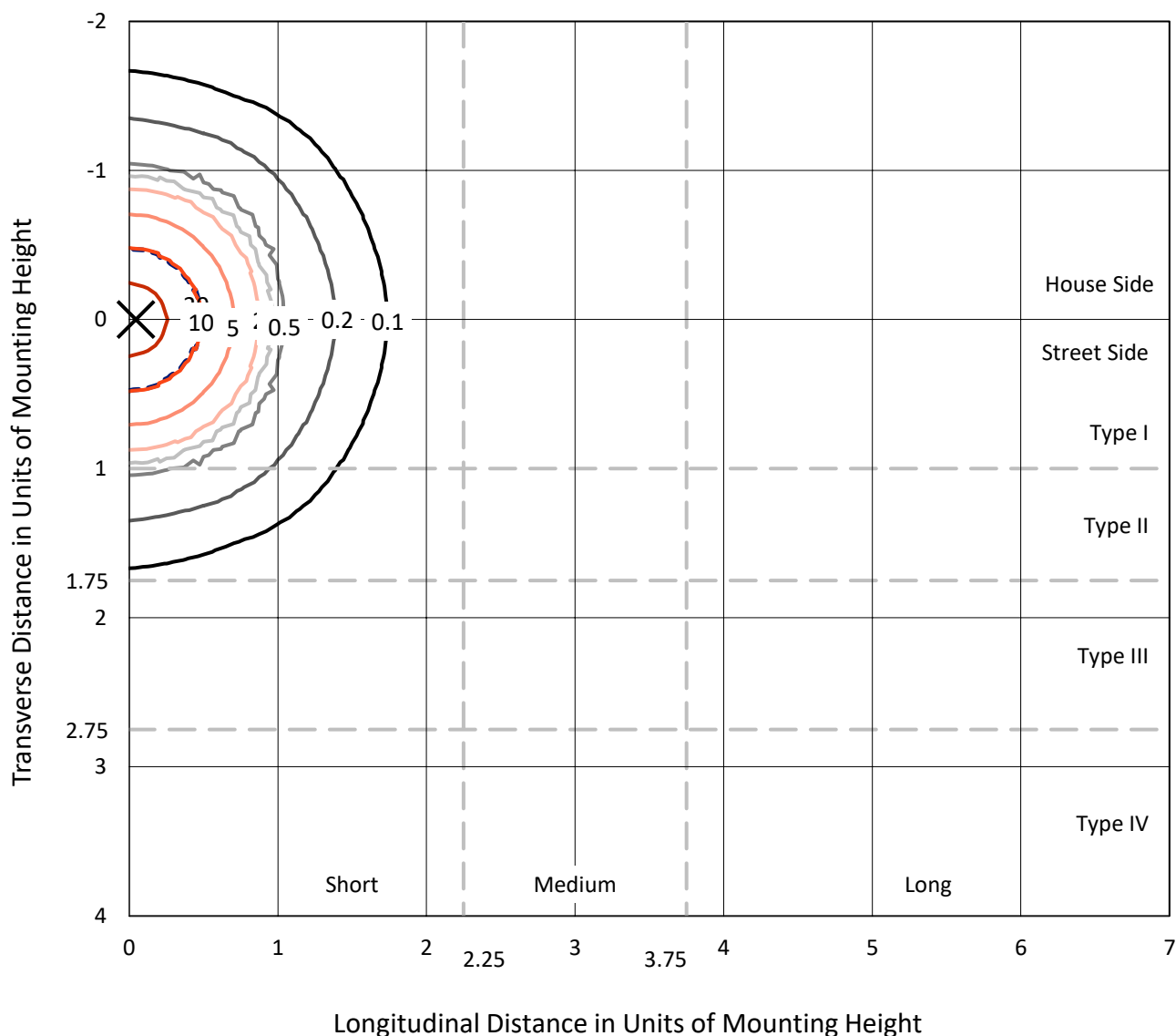
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

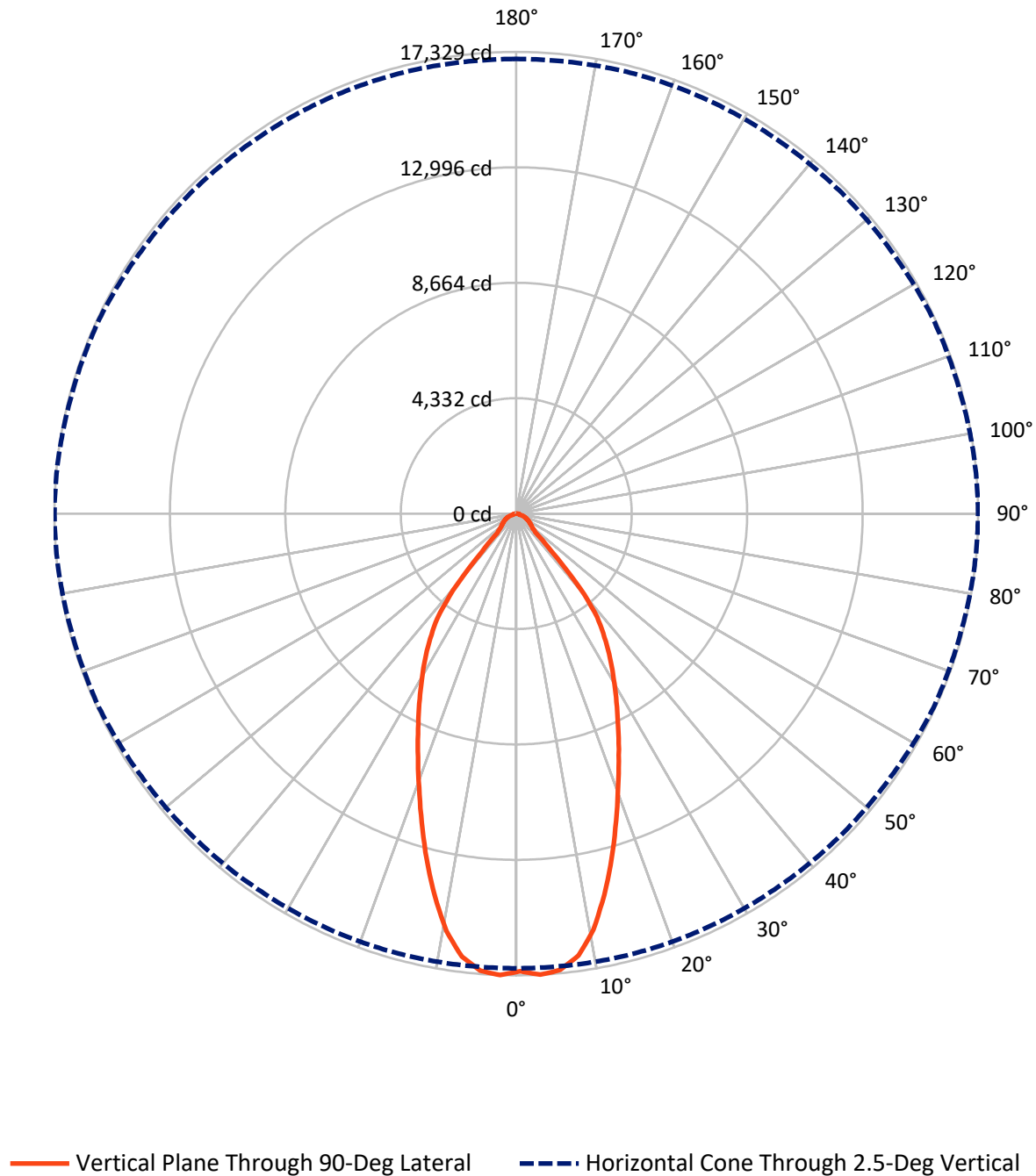


Based on 25 foot mounting height. Maximum calculated value = 27.5 fc

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	7501.6	0.0	7501.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7501.6	0.0	7501.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	15003.1	0.0	15003.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1583.2	10.6
10°-20°	3654.6	24.4
20°-30°	4012.5	26.7
30°-40°	3479.1	23.2
40°-50°	1144.8	7.6
50°-60°	513.3	3.4
60°-70°	362.8	2.4
70°-80°	197.0	1.3
80°-90°	55.9	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°	15003.1	100.0
0°-180°	15003.1	100.0

Coefficient of Utilization



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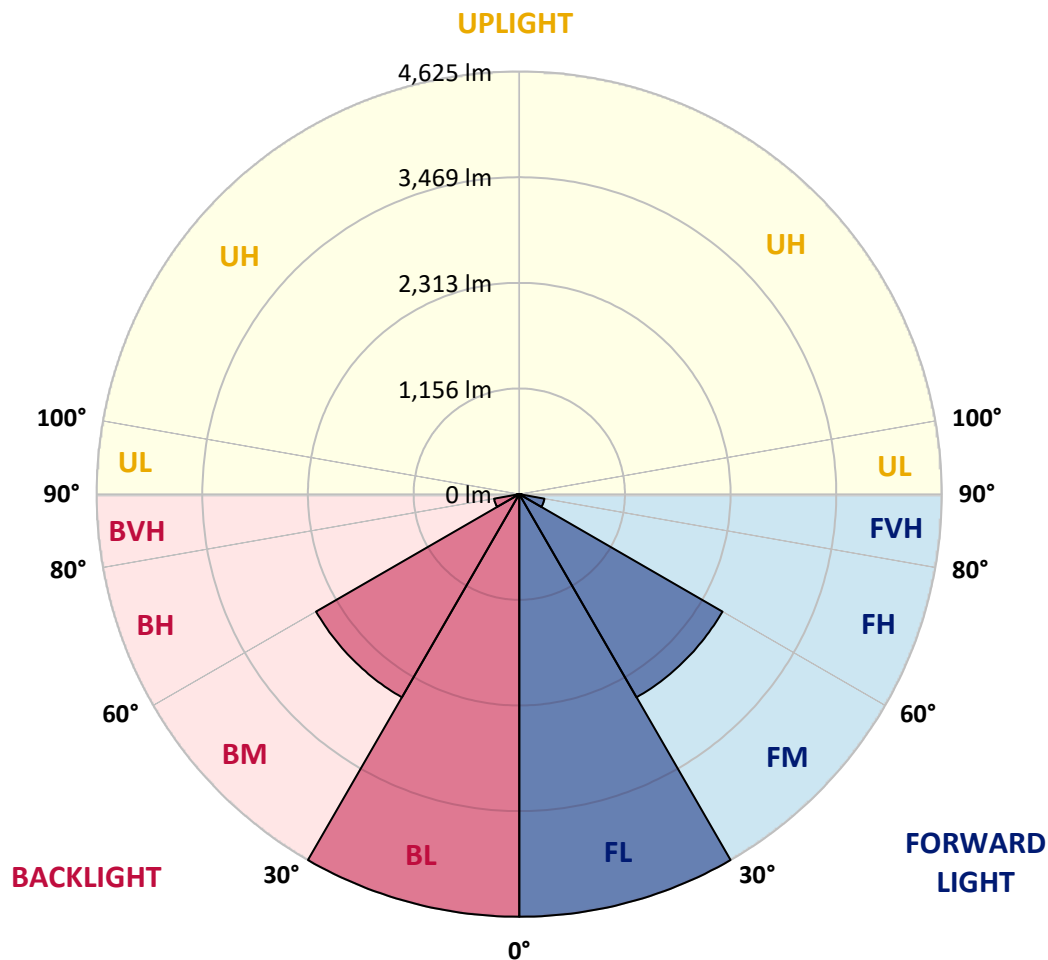
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4625.2	30.8			
FM	(30°-60°)	2568.6	17.1			
FH	(60°-80°)	279.9	1.9			G0/660
FVH	(80°-90°)	27.9	0.2			G1/100
BL	(0°-30°)	4625.2	30.8	B4/5000		
BM	(30°-60°)	2568.6	17.1	B3/5000		
BH	(60°-80°)	279.9	1.9	B1/500		G0/660
BVH	(80°-90°)	27.9	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°	17173.9	17173.9	17173.9	17173.9	17173.9	17173.9	17173.9	17173.9	17173.9	17173.9
2.5°	17067.0	17064.8	17092.0	17105.7	17112.5	17144.3	17176.2	17260.3	17262.5	17312.5
5°	17044.3	17023.9	17042.0	17014.8	17021.6	17021.6	17062.5	17123.9	17146.6	17196.6
7.5°	16537.4	16532.8	16521.5	16491.9	16528.3	16503.3	16578.3	16632.9	16685.1	16710.2
10°	15591.7	15548.6	15548.6	15507.6	15544.0	15509.9	15632.7	15682.7	15771.3	15823.6
12.5°	14368.8	14350.6	14352.9	14334.7	14332.4	14284.7	14427.9	14471.1	14550.6	14627.9
15°	13064.0	13036.7	13061.7	13061.7	13041.2	12998.0	13150.4	13209.5	13325.4	13361.8
17.5°	11775.1	11763.7	11779.6	11786.4	11770.5	11729.6	11877.4	12006.9	12086.5	12086.5
20°	10593.0	10588.5	10608.9	10588.5	10572.6	10545.3	10681.7	10806.7	10877.2	10881.7
22.5°	9554.2	9579.2	9561.0	9536.0	9501.9	9481.4	9606.5	9722.4	9770.1	9817.9
25°	8642.6	8649.5	8663.1	8624.4	8583.5	8558.5	8651.7	8749.5	8824.5	8851.8
27.5°	7892.5	7917.5	7883.4	7824.3	7801.6	7772.0	7837.9	7908.4	7963.0	8001.6
30°	7162.8	7176.4	7183.3	7121.9	7067.3	7024.1	7078.7	7140.1	7160.5	7194.6
32.5°	6462.7	6485.4	6508.1	6433.1	6394.5	6353.5	6380.8	6419.5	6430.8	6433.1
35°	5764.8	5748.9	5728.4	5701.1	5671.6	5621.6	5648.9	5662.5	5671.6	5671.6
37.5°	4921.4	4935.1	4939.6	4887.3	4873.7	4839.6	4857.8	4860.1	4878.2	4889.6
40°	3723.5	3771.2	3739.4	3707.6	3712.1	3671.2	3664.4	3655.3	3696.2	3712.1
42.5°	2025.4	2107.2	2023.1	2050.4	2030.0	2007.2	2000.4	2011.8	1959.5	1916.3
45°	1018.4	1013.8	1032.0	1032.0	1050.2	1057.0	1041.1	1027.5	1020.7	1002.5
47.5°	820.6	807.0	804.7	816.1	829.7	838.8	825.2	818.3	816.1	827.4
50°	704.7	684.2	677.4	693.3	704.7	713.8	702.4	702.4	700.1	718.3
52.5°	613.8	593.3	593.3	625.1	634.2	643.3	636.5	636.5	636.5	656.9
55°	543.3	527.4	509.2	550.1	579.7	588.8	584.2	581.9	584.2	606.9
57.5°	488.7	479.6	468.3	477.4	522.8	534.2	531.9	531.9	536.5	554.7
60°	436.5	431.9	427.4	427.4	463.7	484.2	481.9	481.9	486.5	497.8
62.5°	388.7	384.2	379.6	384.2	397.8	429.6	429.6	431.9	438.7	443.3
65°	341.0	338.7	338.7	341.0	345.5	370.5	379.6	386.4	393.3	395.5
67.5°	295.5	293.2	295.5	300.1	300.1	311.4	331.9	338.7	345.5	345.5
70°	238.7	250.0	256.9	259.1	263.7	266.0	284.1	297.8	304.6	295.5
72.5°	129.6	147.8	222.8	229.6	231.9	234.1	247.8	263.7	268.2	175.0
75°	93.2	93.2	186.4	197.8	200.0	200.0	211.4	227.3	231.9	134.1
77.5°	61.4	59.1	129.6	143.2	163.7	131.8	172.8	190.9	195.5	111.4
80°	47.7	45.5	100.0	111.4	113.7	90.9	140.9	154.6	156.8	90.9
82.5°	36.4	34.1	72.7	81.8	88.7	59.1	100.0	118.2	122.8	79.6
85°	20.5	20.5	36.4	34.1	52.3	38.6	56.8	59.1	79.6	50.0
87.5°	6.8	9.1	15.9	15.9	18.2	15.9	22.7	22.7	25.0	18.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

17173.9
17328.5
17205.7
16751.1
15880.4
14680.2
13411.8
12116.1
10906.7
9845.1
8870.0
8013.0
7201.4
6460.4
5698.9
4937.3
3732.6
1936.8
1018.4
836.5
741.1
679.7
620.6
568.3
506.9
450.1
400.1
345.5
261.4
150.0
131.8
109.1
81.8
81.8
47.7
13.6
0.0