

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: P524324

Luminaire Tested: **IFLD-M-SA4E-930-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524324
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-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: 22923.3 lumens
Efficiency: N/A
Efficacy: 72.8 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): 314.8
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

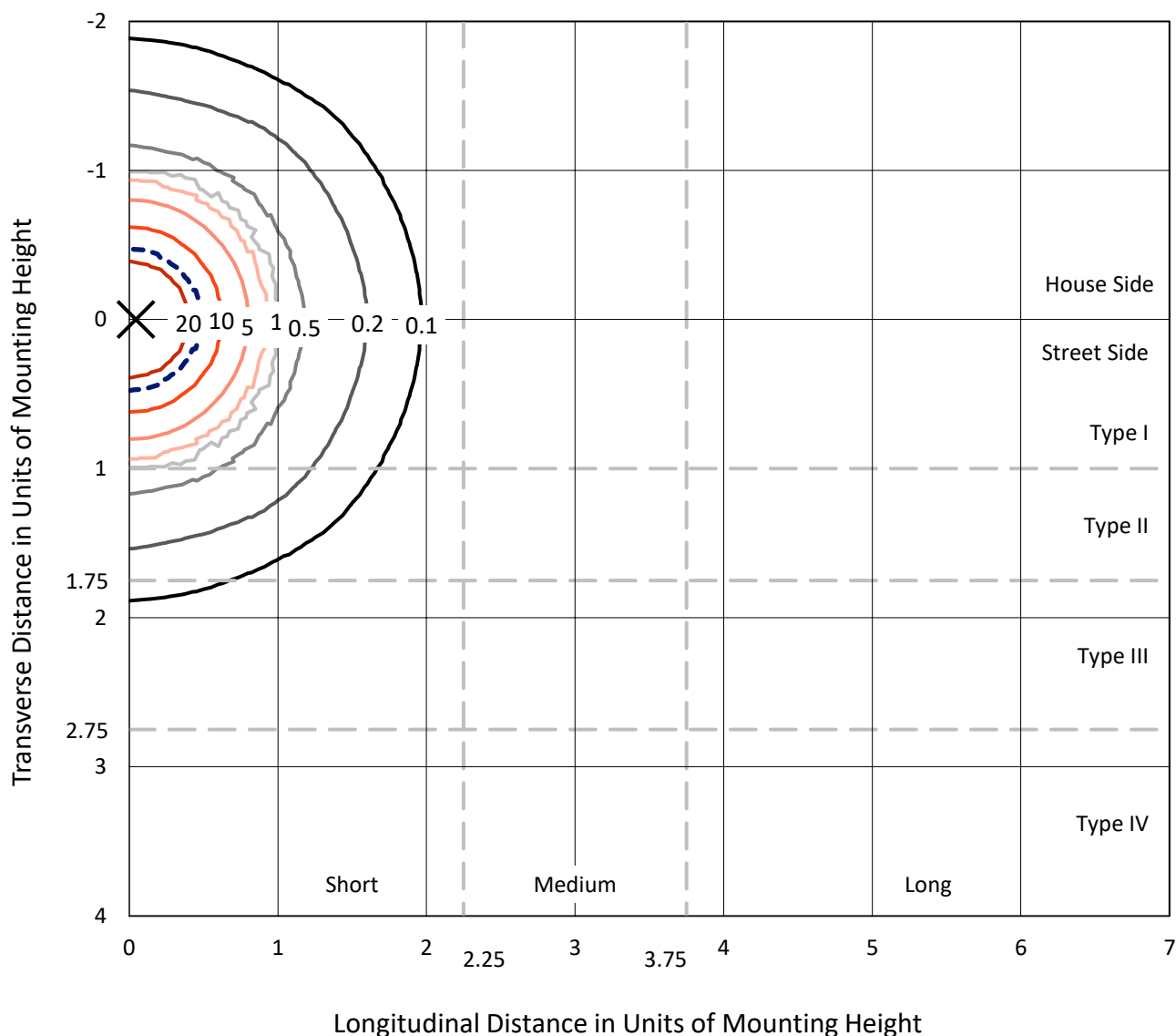
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

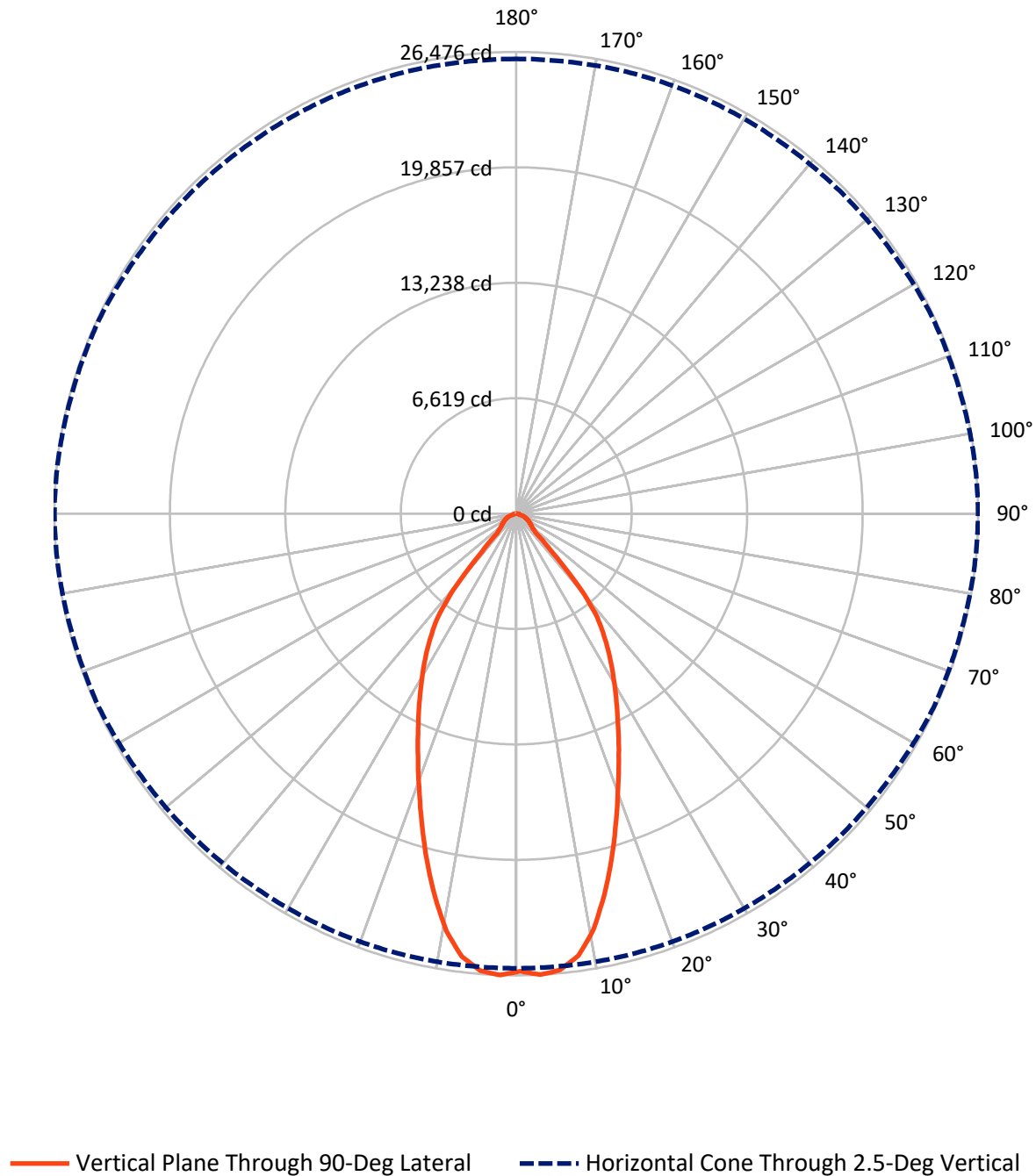


Based on 25 foot mounting height. Maximum calculated value = 42 fc

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	11461.7	0.0	11461.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11461.7	0.0	11461.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	22923.3	0.0	22923.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2419.0	10.6
10°-20°	5583.9	24.4
20°-30°	6130.7	26.7
30°-40°	5315.8	23.2
40°-50°	1749.1	7.6
50°-60°	784.2	3.4
60°-70°	554.3	2.4
70°-80°	301.0	1.3
80°-90°	85.3	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°	22923.3	100.0
0°-180°	22923.3	100.0

Coefficient of Utilization



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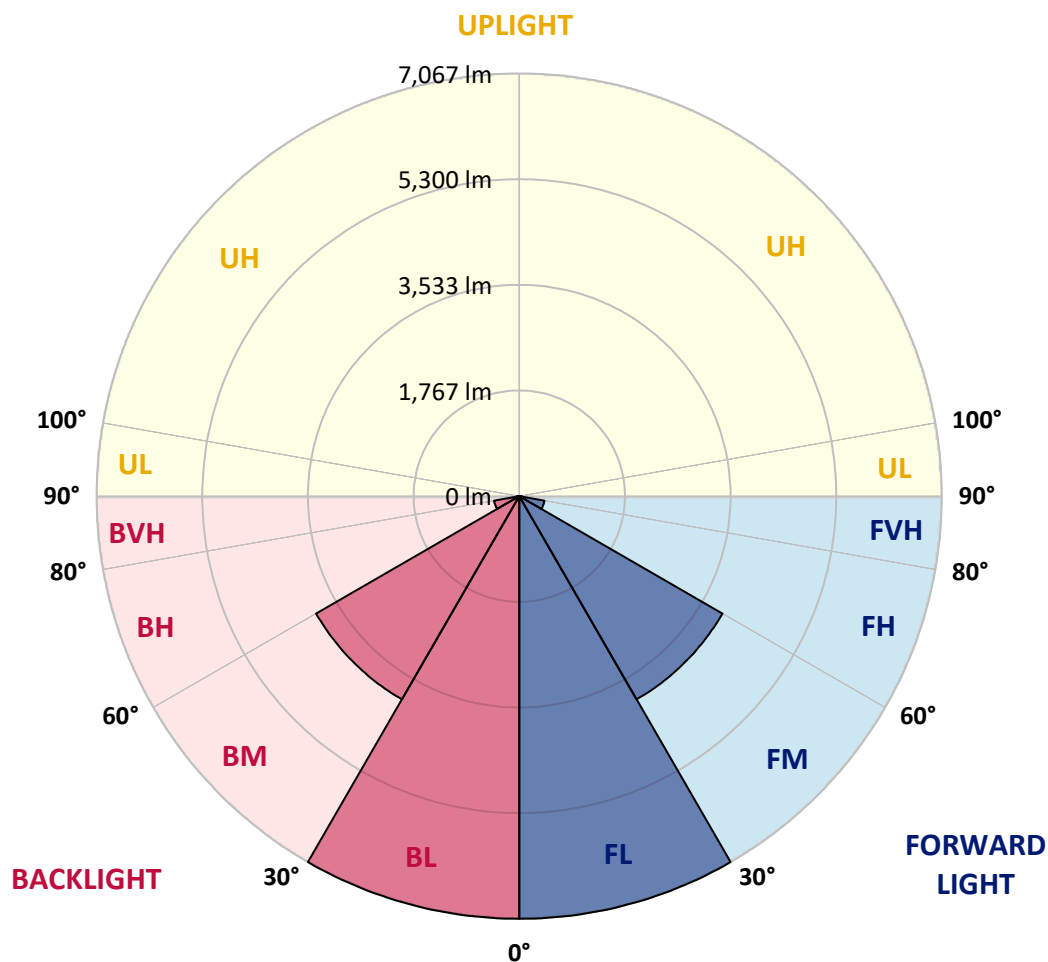
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7066.8	30.8			
FM	(30°-60°)	3924.5	17.1			
FH	(60°-80°)	427.6	1.9			G0/660
FVH	(80°-90°)	42.7	0.2			G1/100
BL	(0°-30°)	7066.8	30.8	B5		
BM	(30°-60°)	3924.5	17.1	B3/5000		
BH	(60°-80°)	427.6	1.9	B1/500		G0/660
BVH	(80°-90°)	42.7	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°	26240.1	26240.1	26240.1	26240.1	26240.1	26240.1	26240.1	26240.1	26240.1	26240.1
2.5°	26076.8	26073.4	26115.0	26135.9	26146.3	26194.9	26243.5	26372.1	26375.5	26451.9
5°	26042.1	26010.8	26038.6	25996.9	26007.4	26007.4	26069.9	26163.7	26198.4	26274.8
7.5°	25267.6	25260.6	25243.3	25198.1	25253.7	25215.5	25330.1	25413.4	25493.3	25531.5
10°	23822.7	23756.7	23756.7	23694.2	23749.8	23697.7	23885.2	23961.6	24097.1	24177.0
12.5°	21954.1	21926.3	21929.8	21902.0	21898.6	21825.6	22044.4	22110.4	22232.0	22350.1
15°	19960.5	19918.8	19957.0	19957.0	19925.8	19859.8	20092.5	20182.8	20359.9	20415.5
17.5°	17991.2	17973.8	17998.2	18008.6	17984.3	17921.7	18147.5	18345.5	18467.0	18467.0
20°	16185.1	16178.2	16209.5	16178.2	16153.9	16112.2	16320.6	16511.6	16619.3	16626.2
22.5°	14597.9	14636.1	14608.3	14570.1	14518.0	14486.7	14677.8	14854.9	14927.8	15000.8
25°	13205.1	13215.5	13236.4	13177.3	13114.8	13076.6	13219.0	13368.4	13483.0	13524.7
27.5°	12059.0	12097.2	12045.1	11954.8	11920.0	11874.9	11975.6	12083.3	12166.6	12225.7
30°	10944.1	10964.9	10975.3	10881.6	10798.2	10732.2	10815.6	10909.3	10940.6	10992.7
32.5°	9874.3	9909.1	9943.8	9829.2	9770.1	9707.6	9749.3	9808.3	9825.7	9829.2
35°	8808.0	8783.7	8752.5	8710.8	8665.6	8589.2	8630.9	8651.8	8665.6	8665.6
37.5°	7519.5	7540.3	7547.3	7467.4	7446.6	7394.5	7422.2	7425.7	7453.5	7470.9
40°	5689.1	5762.0	5713.4	5664.8	5671.7	5609.2	5598.8	5584.9	5647.4	5671.7
42.5°	3094.6	3219.7	3091.2	3132.8	3101.6	3066.8	3056.4	3073.8	2993.9	2927.9
45°	1556.0	1549.0	1576.8	1576.8	1604.6	1615.0	1590.7	1569.9	1559.5	1531.7
47.5°	1253.8	1233.0	1229.5	1246.9	1267.7	1281.6	1260.8	1250.4	1246.9	1264.2
50°	1076.7	1045.4	1035.0	1059.3	1076.7	1090.6	1073.2	1073.2	1069.7	1097.5
52.5°	937.8	906.5	906.5	955.1	969.0	982.9	972.5	972.5	972.5	1003.8
55°	830.1	805.8	778.0	840.5	885.7	899.6	892.6	889.1	892.6	927.3
57.5°	746.7	732.8	715.5	729.4	798.8	816.2	812.7	812.7	819.7	847.5
60°	666.9	659.9	653.0	653.0	708.5	739.8	736.3	736.3	743.3	760.6
62.5°	593.9	587.0	580.0	587.0	607.8	656.4	656.4	659.9	670.3	677.3
65°	521.0	517.5	517.5	521.0	527.9	566.1	580.0	590.4	600.9	604.3
67.5°	451.5	448.0	451.5	458.5	458.5	475.8	507.1	517.5	527.9	527.9
70°	364.7	382.1	392.5	395.9	402.9	406.4	434.2	455.0	465.4	451.5
72.5°	198.0	225.8	340.4	350.8	354.3	357.7	378.6	402.9	409.8	267.4
75°	142.4	142.4	284.8	302.2	305.6	305.6	323.0	347.3	354.3	204.9
77.5°	93.8	90.3	198.0	218.8	250.1	201.4	264.0	291.7	298.7	170.2
80°	72.9	69.5	152.8	170.2	173.7	138.9	215.3	236.2	239.7	138.9
82.5°	55.6	52.1	111.1	125.0	135.5	90.3	152.8	180.6	187.6	121.6
85°	31.3	31.3	55.6	52.1	79.9	59.0	86.8	90.3	121.6	76.4
87.5°	10.4	13.9	24.3	24.3	27.8	24.3	34.7	34.7	38.2	27.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

26240.1
26476.2
26288.7
25594.1
24263.8
22430.0
20491.9
18512.2
16664.4
15042.5
13552.4
12243.1
11003.1
9870.9
8707.3
7543.8
5703.0
2959.2
1556.0
1278.1
1132.3
1038.5
948.2
868.3
774.5
687.7
611.3
527.9
399.4
229.2
201.4
166.7
125.0
125.0
72.9
20.8
0.0