

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: P635941

Luminaire Tested: **IFLD-M-SA4B-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635941
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12119.1 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Luminous Opening: Rectangular (W 2' 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: 25 FT



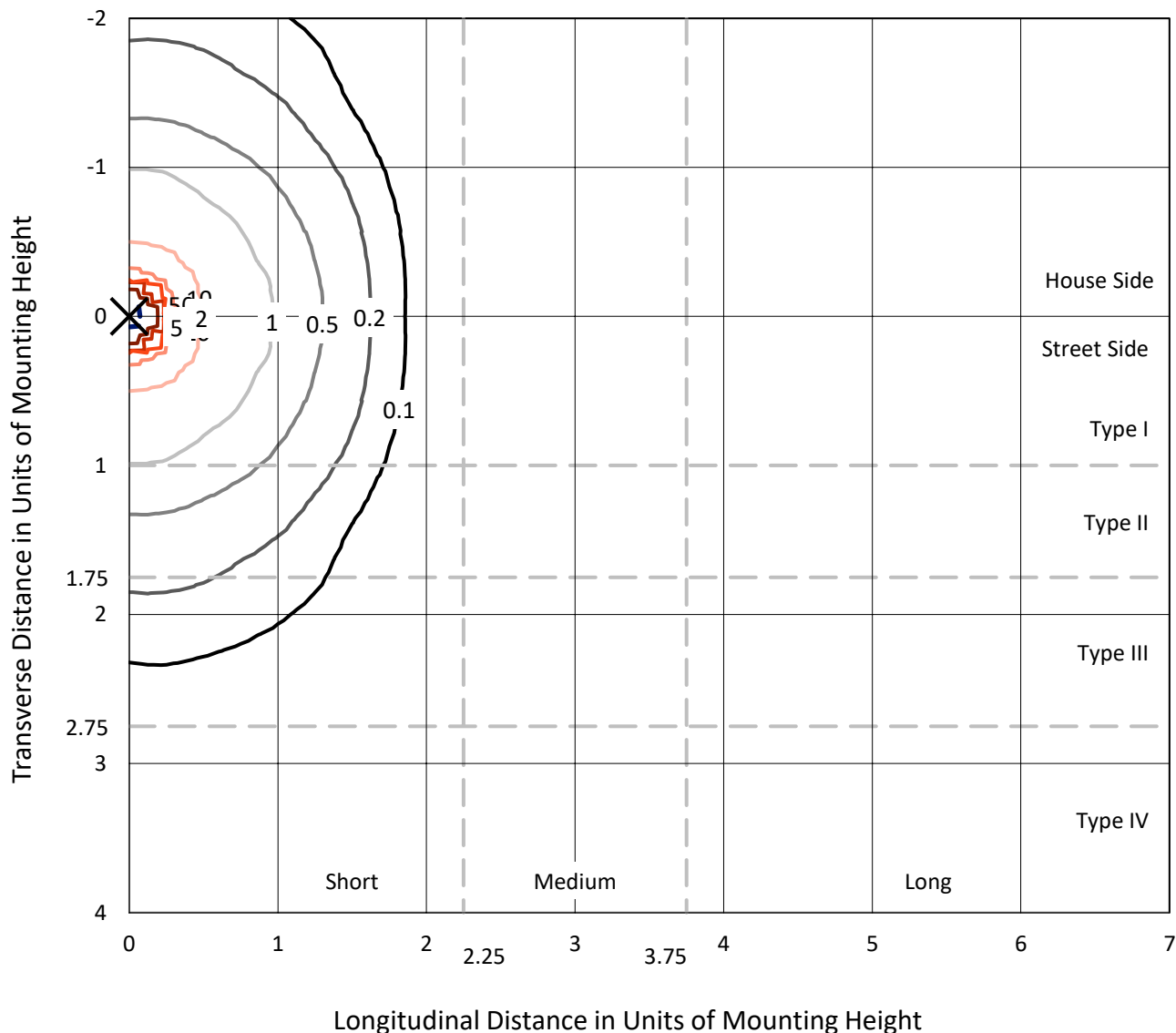
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

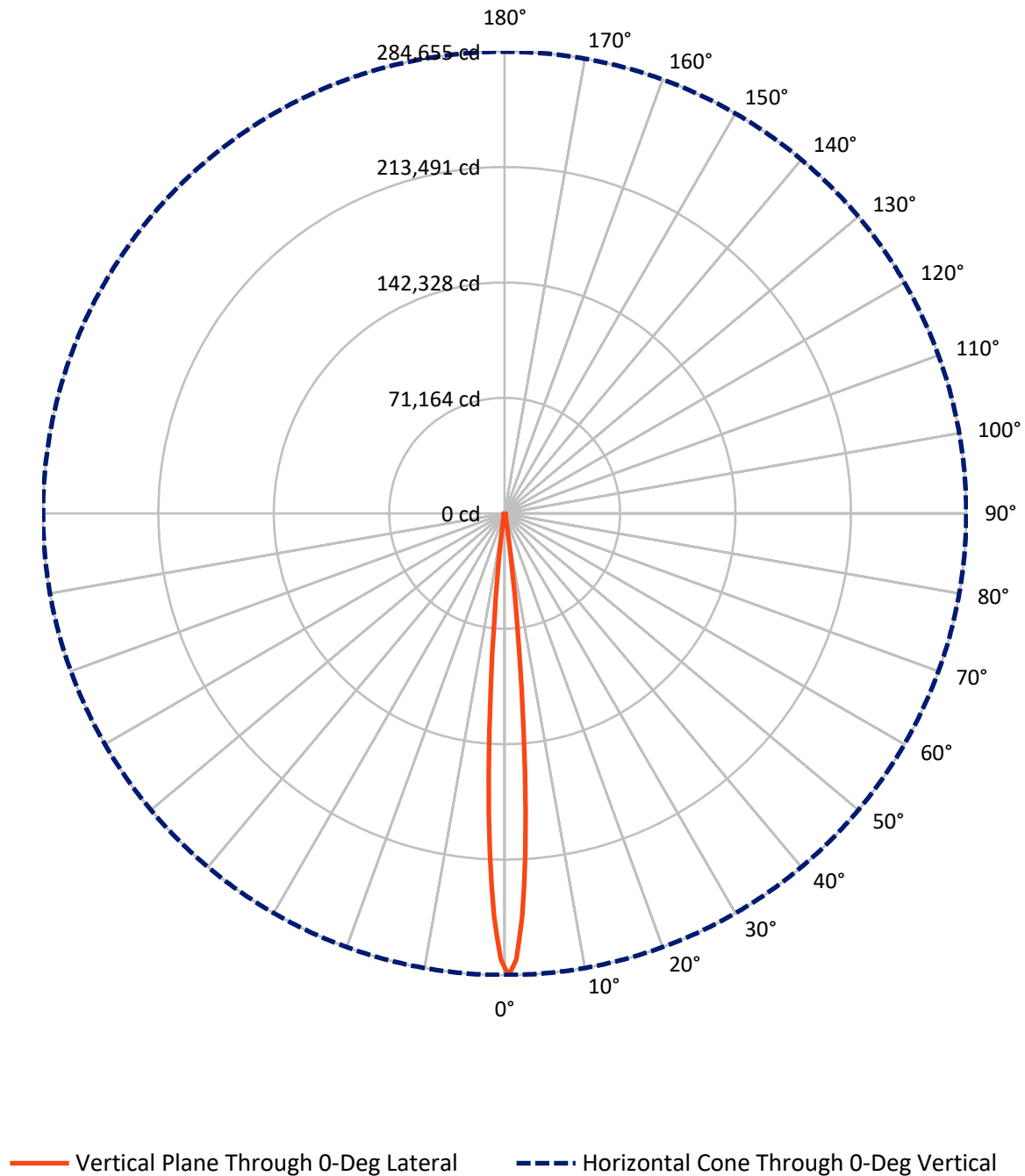


Based on 20 foot mounting height. Maximum calculated value = 711.6 fc

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	6059.5	0.0	6059.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6059.5	0.0	6059.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12119.1	0.0	12119.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7649.3	63.1
10°-20°	945.4	7.8
20°-30°	566.4	4.7
30°-40°	609.0	5.0
40°-50°	818.9	6.8
50°-60°	730.0	6.0
60°-70°	482.2	4.0
70°-80°	239.1	2.0
80°-90°	78.9	0.7
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°	12119.1	100.0
0°-180°	12119.1	100.0



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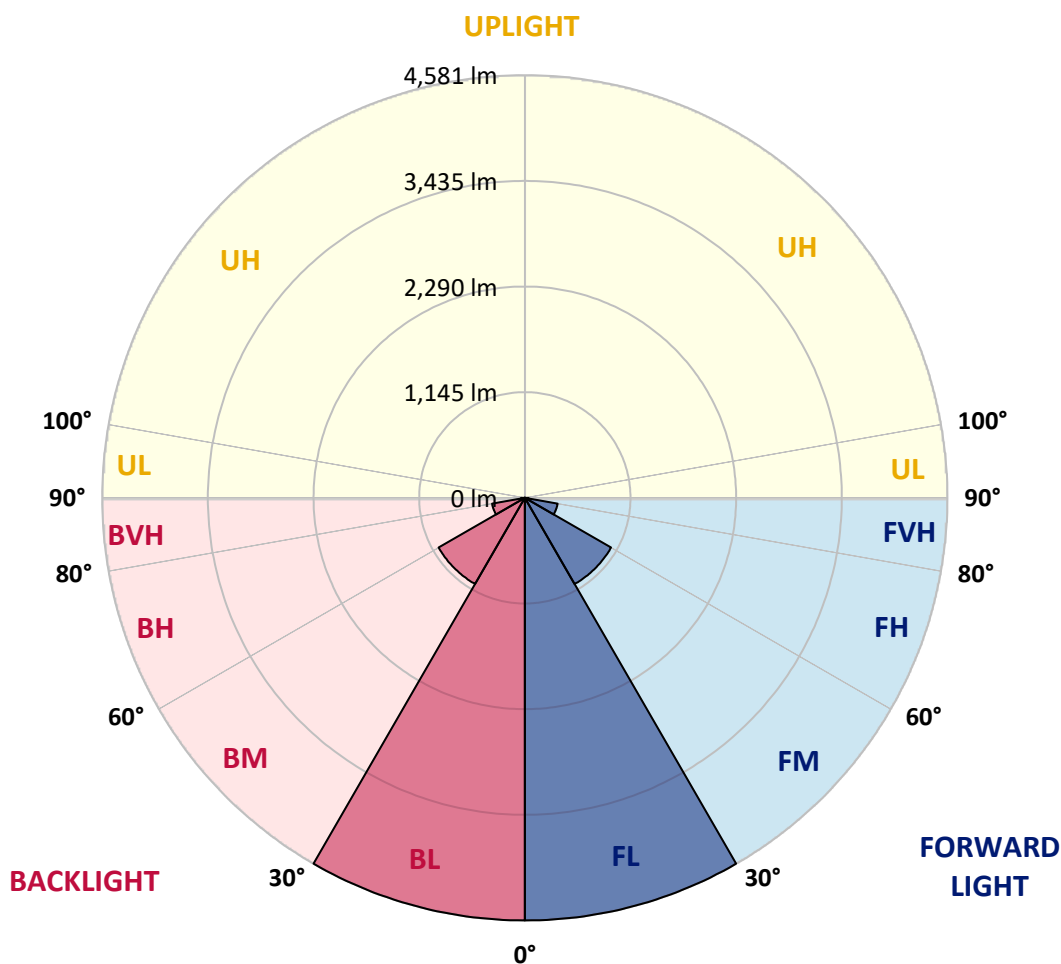
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4580.5	37.8			
FM	(30°-60°)	1078.9	8.9			
FH	(60°-80°)	360.6	3.0			G0/660
FVH	(80°-90°)	39.5	0.3			G1/100
BL	(0°-30°)	4580.5	37.8	B4/5000		
BM	(30°-60°)	1078.9	8.9	B2/2500		
BH	(60°-80°)	360.6	3.0	B1/500		G0/660
BVH	(80°-90°)	39.5	0.3			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°	284655.0	284655.0	284655.0	284655.0	284655.0	284655.0	284655.0	284655.0	284655.0	284655.0
1°	275113.8	272290.0	273742.4	275130.6	277077.4	277934.9	278809.1	279462.7	279451.5	280529.7
2°	248839.2	244289.3	246398.1	248984.5	253986.9	255422.6	257821.8	260790.9	260972.4	263659.4
3°	209741.6	203353.8	206459.7	211065.5	219358.2	221503.3	225349.4	228064.2	226852.0	229997.1
4°	160949.1	152614.5	157359.9	164177.9	172249.9	180439.2	180601.2	182548.0	178551.1	178358.4
5°	108587.0	101238.4	107327.3	115854.6	122829.0	128552.0	132076.9	132319.9	127999.0	127605.1
6°	66227.0	61364.2	66662.7	75687.2	85348.5	87728.2	88267.3	87043.9	81376.7	78240.1
7°	36603.5	34620.4	39798.7	45183.8	52716.8	56199.8	53789.3	49879.0	48144.5	44410.1
8°	20185.7	19208.1	20685.6	25338.9	31184.9	33472.4	31145.8	27084.6	24160.2	23126.8
9°	12169.5	11627.6	12230.9	14001.8	16526.7	18113.2	16780.9	14781.0	13546.5	13202.9
10°	8083.2	7870.9	8127.9	8725.6	9633.4	10097.0	9764.6	8971.4	8597.1	8574.8
12.5°	4242.7	4203.6	4267.8	4334.9	4491.3	4516.4	4457.8	4401.9	4315.3	4348.8
15°	2731.6	2695.3	2762.4	2849.0	2888.1	2913.2	2916.0	2885.3	2826.6	2798.7
17.5°	1991.5	1999.9	2005.4	2055.7	2131.1	2189.8	2164.6	2131.1	2064.1	2030.6
20°	1639.5	1642.3	1653.5	1681.4	1706.6	1787.6	1762.4	1712.2	1647.9	1622.8
22.5°	1402.1	1407.7	1413.3	1430.1	1435.6	1458.0	1460.8	1416.1	1379.8	1365.8
25°	1234.5	1234.5	1242.9	1256.9	1262.5	1245.7	1248.5	1229.0	1195.4	1178.7
27.5°	1047.4	1053.0	1061.4	1067.0	1055.8	1036.2	1011.1	1027.9	1011.1	972.0
30°	932.9	938.5	963.6	946.9	921.7	896.6	882.6	905.0	907.8	874.2
32.5°	924.5	927.3	935.7	927.3	896.6	865.9	846.3	871.4	877.0	863.1
35°	966.4	958.0	969.2	974.8	944.1	910.5	885.4	907.8	924.5	930.1
37.5°	1170.3	1122.8	1086.5	1075.3	1055.8	1033.4	999.9	1005.5	1036.2	1064.2
40°	1114.4	1103.3	1089.3	1053.0	1016.7	1044.6	1005.5	994.3	1064.2	1069.8
42.5°	1106.1	1114.4	1103.3	1058.6	1022.3	1050.2	1041.8	1008.3	1078.1	1069.8
45°	1111.7	1120.0	1145.2	1069.8	1039.0	1053.0	1069.8	1033.4	1103.3	1075.3
47.5°	1067.0	1078.1	1106.1	1064.2	1044.6	1041.8	1067.0	1033.4	1069.8	1067.0
50°	1008.3	1019.5	1027.9	991.5	1027.9	1008.3	1011.1	997.1	997.1	1002.7
52.5°	932.9	944.1	952.4	910.5	932.9	941.3	907.8	905.0	879.8	888.2
55°	840.7	857.5	865.9	849.1	837.9	854.7	807.2	801.6	751.3	754.1
57.5°	734.6	751.3	759.7	779.3	770.9	737.4	709.4	687.1	631.2	608.9
60°	756.9	773.7	756.9	701.1	701.1	625.7	600.5	553.0	497.2	469.2
62.5°	731.8	754.1	751.3	692.7	622.9	527.9	483.2	432.9	377.1	340.8
65°	689.9	712.2	701.1	662.0	594.9	452.5	385.4	335.2	265.3	257.0
67.5°	620.1	653.6	631.2	606.1	553.0	410.6	307.2	251.4	192.7	192.7
70°	513.9	539.1	553.0	525.1	494.4	385.4	262.6	192.7	139.7	106.1
72.5°	413.4	435.7	458.1	444.1	416.2	349.1	234.6	153.6	100.6	61.4
75°	229.0	237.4	245.8	279.3	318.4	284.9	215.1	134.1	83.8	47.5
77.5°	176.0	184.3	203.9	187.1	173.2	220.7	234.6	156.4	72.6	33.5
80°	136.9	148.0	209.5	173.2	148.0	167.6	201.1	136.9	47.5	16.8
82.5°	103.3	111.7	148.0	164.8	156.4	125.7	108.9	92.2	41.9	11.2
85°	75.4	86.6	103.3	92.2	89.4	89.4	120.1	81.0	30.7	8.4
87.5°	44.7	44.7	47.5	44.7	41.9	41.9	47.5	39.1	19.6	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
284655.0
278362.2
261285.3
226634.2
177509.3
126010.3
78513.8
42656.1
22188.3
12736.5
8309.4
4223.2
2754.0
1994.3
1594.9
1349.1
1164.7
974.8
863.1
854.7
930.1
1089.3
1078.1
1064.2
1067.0
1061.4
983.2
874.2
734.6
594.9
446.9
335.2
257.0
170.4
95.0
58.7
41.9
16.8
11.2
8.4
5.6
5.6
0.0

OF REPORT)