

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: P524205

Luminaire Tested: **IFLD-M-SA4C-940-U-66**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P524205  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-940-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (64) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

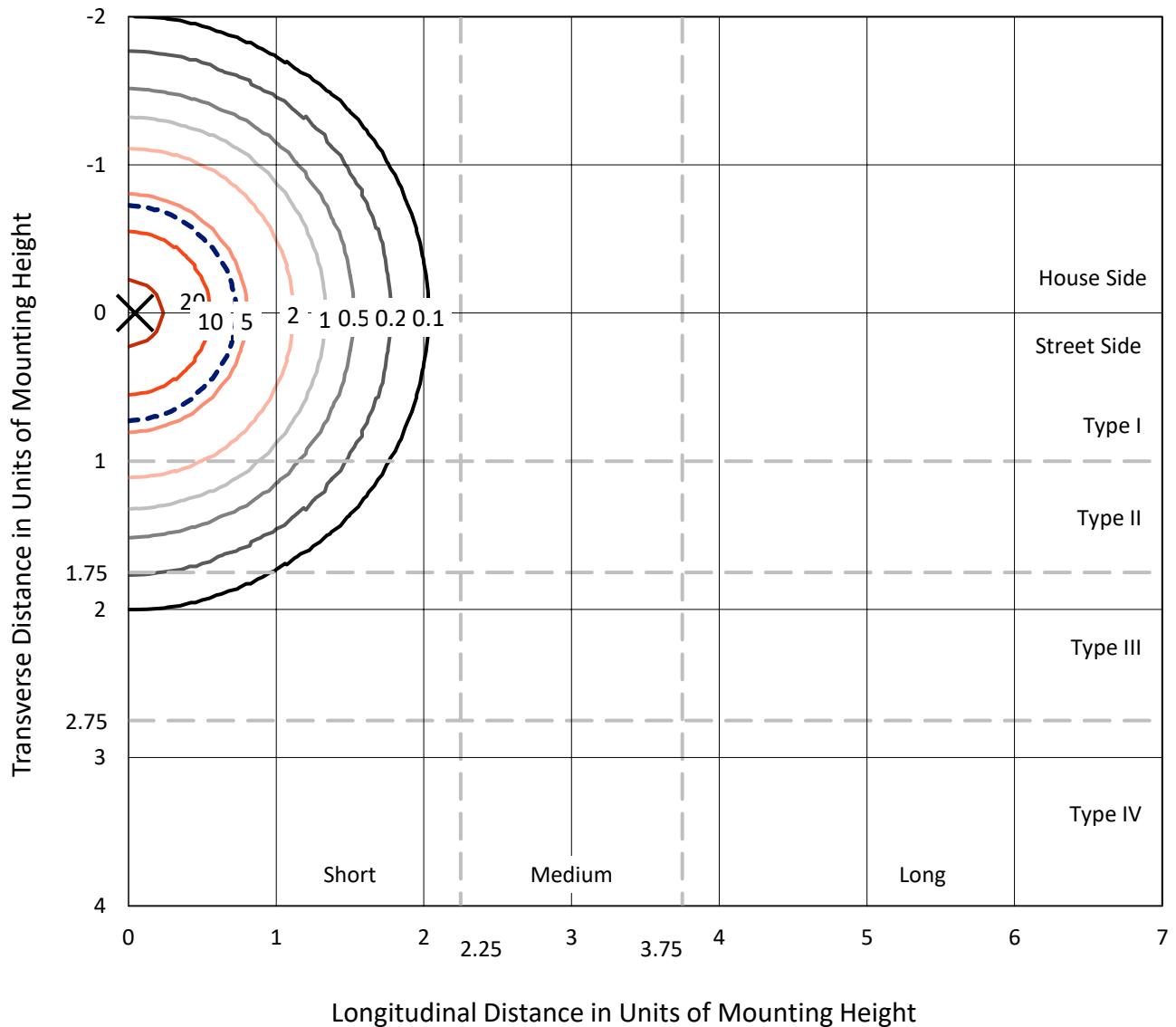
Lumens per Lamp: N/A  
Luminaire Lumens: 21316.5 lumens  
Efficiency: N/A  
Efficacy: 97.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 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

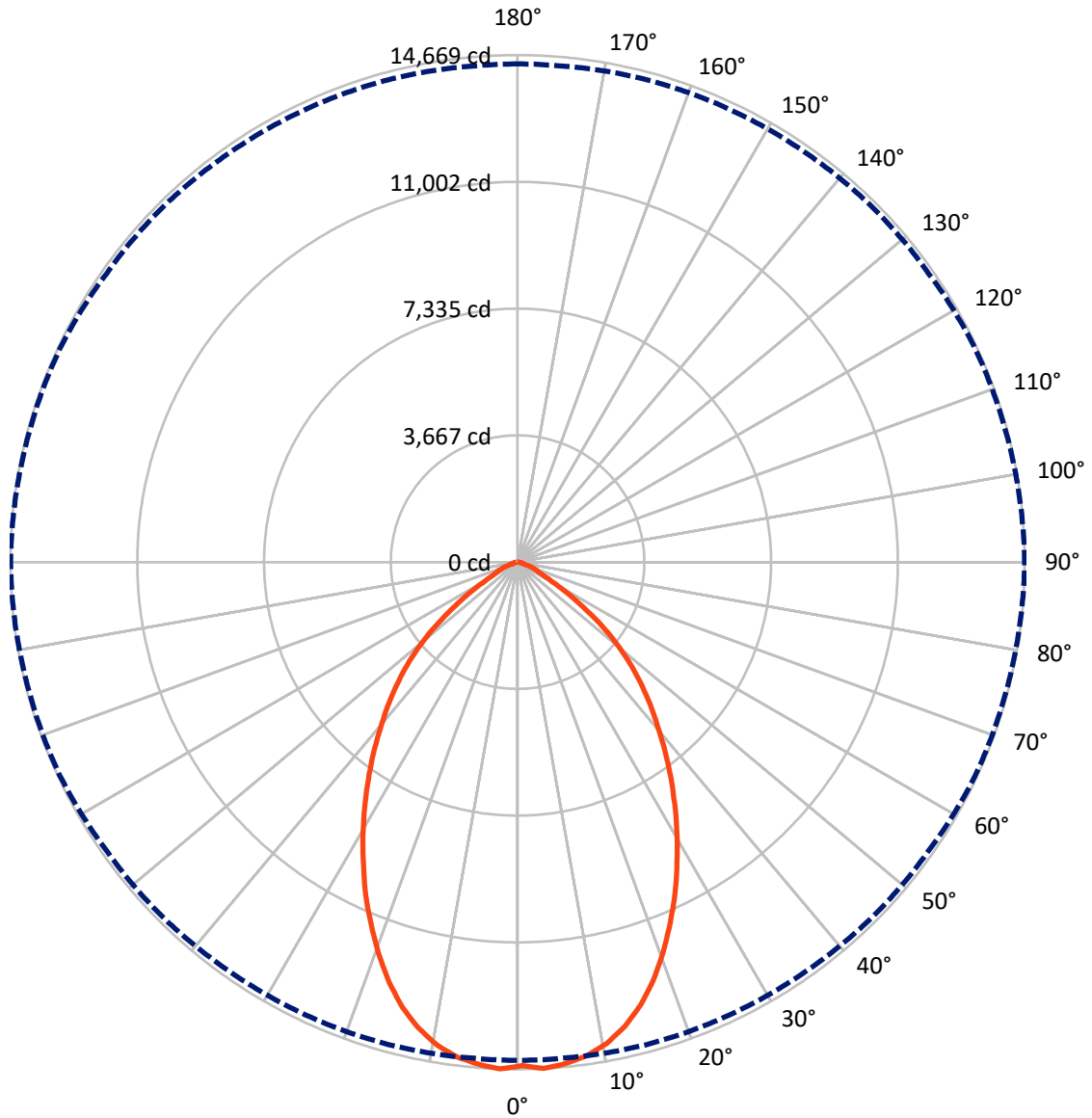
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 2.5-Deg Vertical

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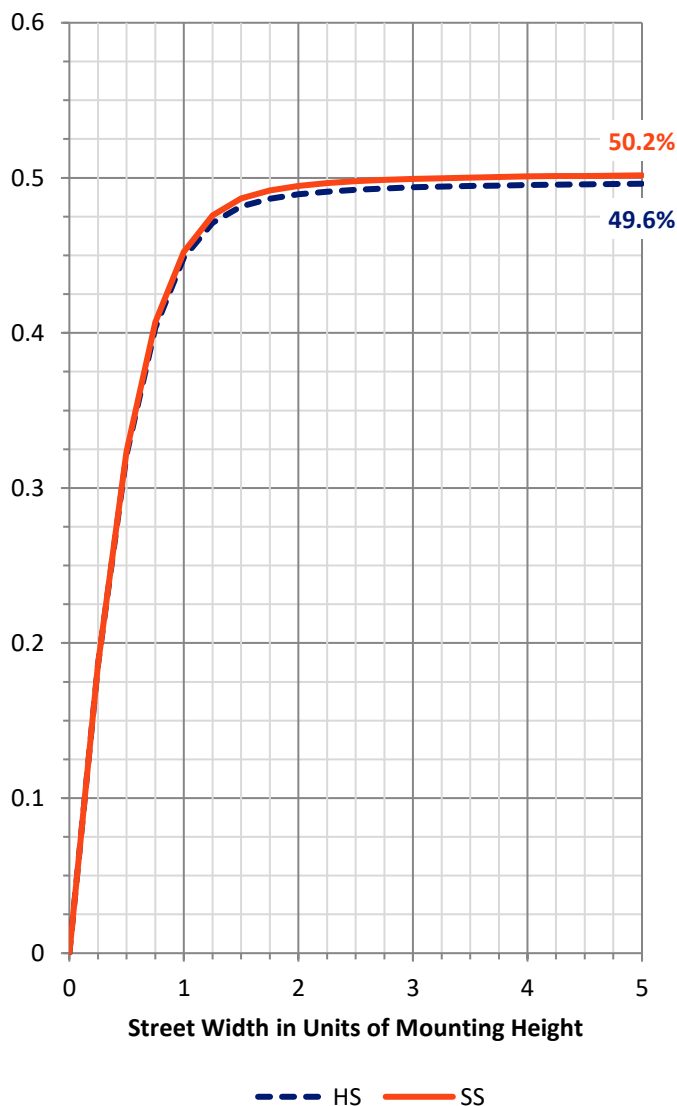
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10658.3	0.0	10658.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10658.3	0.0	10658.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21316.5	0.0	21316.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1367.8	6.4
10°-20°	3675.4	17.2
20°-30°	4755.2	22.3
30°-40°	4689.8	22.0
40°-50°	3794.2	17.8
50°-60°	2065.8	9.7
60°-70°	654.6	3.1
70°-80°	253.3	1.2
80°-90°	60.5	0.3
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°	21316.5	100.0
0°-180°	21316.5	100.0

**Coefficient of Utilization**



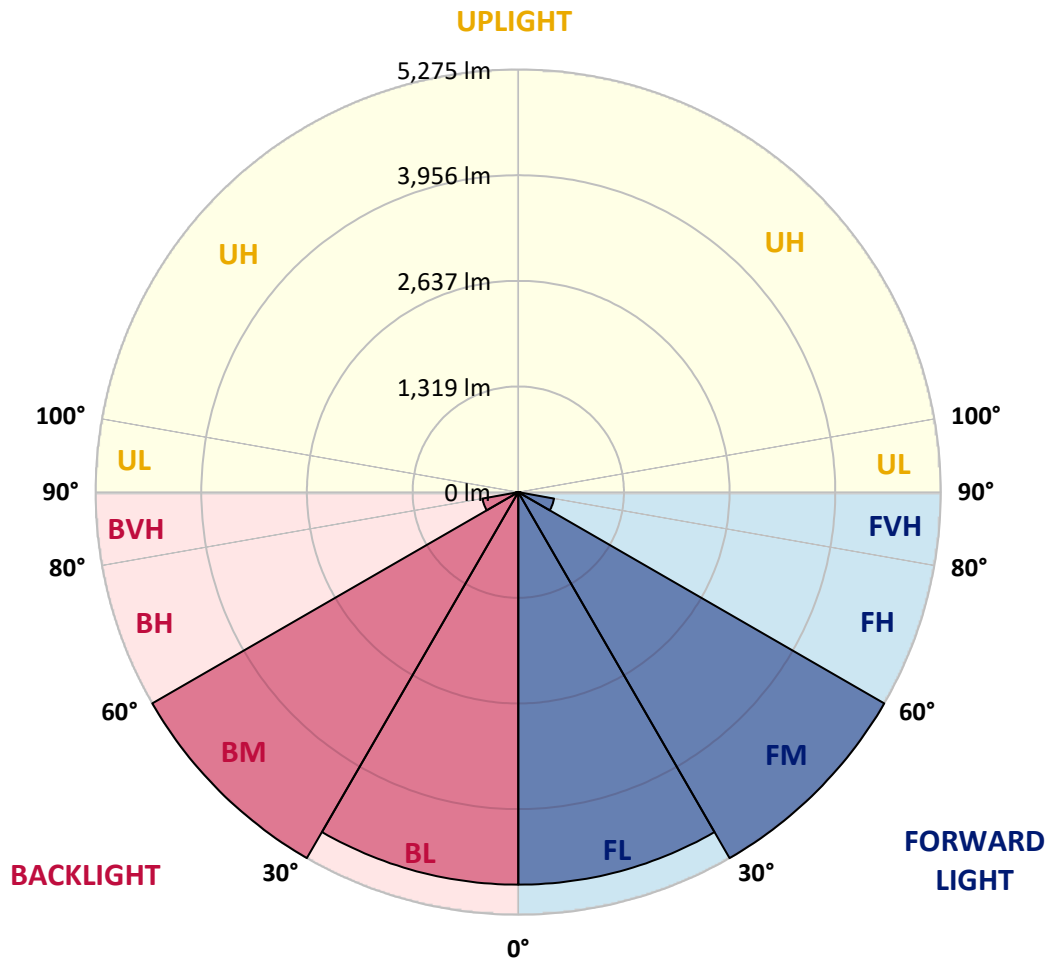
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4899.2	23.0			
FM (30°-60°)	5274.9	24.7			
FH (60°-80°)	453.9	2.1			G0/660
FVH (80°-90°)	30.3	0.1			G1/100
BL (0°-30°)	4899.2	23.0	B4/5000		
BM (30°-60°)	5274.9	24.7	B4/8500		
BH (60°-80°)	453.9	2.1	B1/500		G0/660
BVH (80°-90°)	30.3	0.1			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°	90°
0°	14570.4	14570.4	14570.4	14570.4	14570.4	14570.4	14570.4	14570.4	14570.4	14570.4	14570.4
2.5°	14413.4	14410.3	14447.2	14462.6	14481.1	14518.1	14530.4	14610.5	14619.7	14650.5	14669.0
5°	14388.7	14376.4	14413.4	14419.5	14441.1	14447.2	14465.7	14521.1	14515.0	14561.2	14570.4
7.5°	14256.3	14240.9	14271.7	14277.8	14308.6	14299.4	14330.2	14370.2	14370.2	14404.1	14419.5
10°	13960.6	13957.6	13988.3	13991.4	14034.5	14025.3	14074.6	14083.8	14108.5	14133.1	14160.8
12.5°	13606.5	13566.4	13606.5	13591.1	13649.6	13615.7	13683.5	13705.0	13717.3	13760.4	13782.0
15°	13150.6	13101.4	13129.1	13113.7	13150.6	13107.5	13178.4	13221.5	13236.9	13280.0	13301.6
17.5°	12540.9	12500.8	12507.0	12485.4	12510.1	12476.2	12543.9	12611.7	12633.2	12679.4	12710.2
20°	11774.0	11774.0	11777.1	11758.6	11780.1	11746.3	11789.4	11894.1	11915.7	11977.3	12029.6
22.5°	11025.6	11025.6	11034.8	11010.2	11016.4	11001.0	11047.2	11148.8	11182.7	11247.3	11312.0
25°	10308.0	10295.7	10301.9	10280.3	10255.7	10261.8	10317.3	10381.9	10455.8	10539.0	10588.3
27.5°	9624.3	9639.7	9602.7	9587.3	9568.9	9535.0	9599.7	9679.7	9732.1	9799.9	9824.5
30°	8894.4	8925.2	8897.5	8885.2	8839.0	8795.8	8863.6	8943.7	8996.0	9060.7	9088.4
32.5°	8244.6	8235.3	8210.7	8183.0	8136.8	8102.9	8130.6	8223.0	8263.0	8330.8	8340.0
35°	7548.5	7542.4	7527.0	7471.5	7456.1	7416.1	7440.7	7520.8	7551.6	7591.7	7622.4
37.5°	6867.9	6846.3	6840.2	6818.6	6790.9	6781.7	6781.7	6824.8	6855.6	6895.6	6926.4
40°	6193.4	6199.6	6181.1	6162.6	6153.4	6141.1	6144.2	6168.8	6193.4	6211.9	6230.4
42.5°	5583.6	5549.8	5537.4	5519.0	5528.2	5543.6	5509.7	5546.7	5577.5	5577.5	5617.5
45°	4884.5	4899.9	4906.1	4936.9	4936.9	4921.5	4909.2	4927.6	4958.4	4955.4	4995.4
47.5°	4274.7	4256.3	4271.7	4317.8	4357.9	4364.0	4327.1	4336.3	4345.6	4330.2	4367.1
50°	3606.4	3612.6	3609.5	3680.3	3760.4	3732.7	3705.0	3714.2	3711.1	3711.1	3717.3
52.5°	2879.6	2895.0	2876.5	2978.1	3064.4	3042.8	3024.3	3024.3	3039.7	3036.7	3033.6
55°	2217.4	2211.3	2171.2	2220.5	2297.5	2300.6	2272.9	2285.2	2300.6	2316.0	2312.9
57.5°	1650.8	1632.3	1576.8	1579.9	1666.2	1687.7	1663.1	1660.0	1678.5	1684.6	1718.5
60°	1111.8	1108.7	1059.4	1056.4	1090.2	1148.8	1121.0	1121.0	1127.2	1136.4	1145.7
62.5°	760.7	766.9	748.4	745.3	751.5	800.7	797.7	794.6	791.5	803.8	800.7
65°	597.5	600.6	594.4	594.4	597.5	619.0	640.6	643.7	646.8	649.8	646.8
67.5°	480.4	483.5	477.4	483.5	483.5	486.6	517.4	529.7	532.8	532.8	529.7
70°	369.6	381.9	388.1	388.1	388.1	388.1	409.6	425.0	421.9	403.5	385.0
72.5°	184.8	224.8	311.1	314.1	311.1	308.0	320.3	335.7	332.6	234.1	175.5
75°	123.2	132.4	243.3	255.6	252.5	240.2	252.5	271.0	264.9	150.9	144.7
77.5°	70.8	77.0	163.2	187.9	203.3	175.5	200.2	218.7	209.4	123.2	120.1
80°	55.4	52.4	117.0	144.7	138.6	110.9	163.2	175.5	160.1	92.4	83.2
82.5°	33.9	33.9	77.0	110.9	101.6	64.7	114.0	135.5	120.1	67.8	61.6
85°	18.5	21.6	37.0	55.4	58.5	43.1	61.6	73.9	73.9	43.1	43.1
87.5°	9.2	9.2	12.3	12.3	15.4	18.5	18.5	21.6	15.4	12.3	12.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)