

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: P524206

Luminaire Tested: **IFLD-M-SA4D-940-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524206  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4D-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**

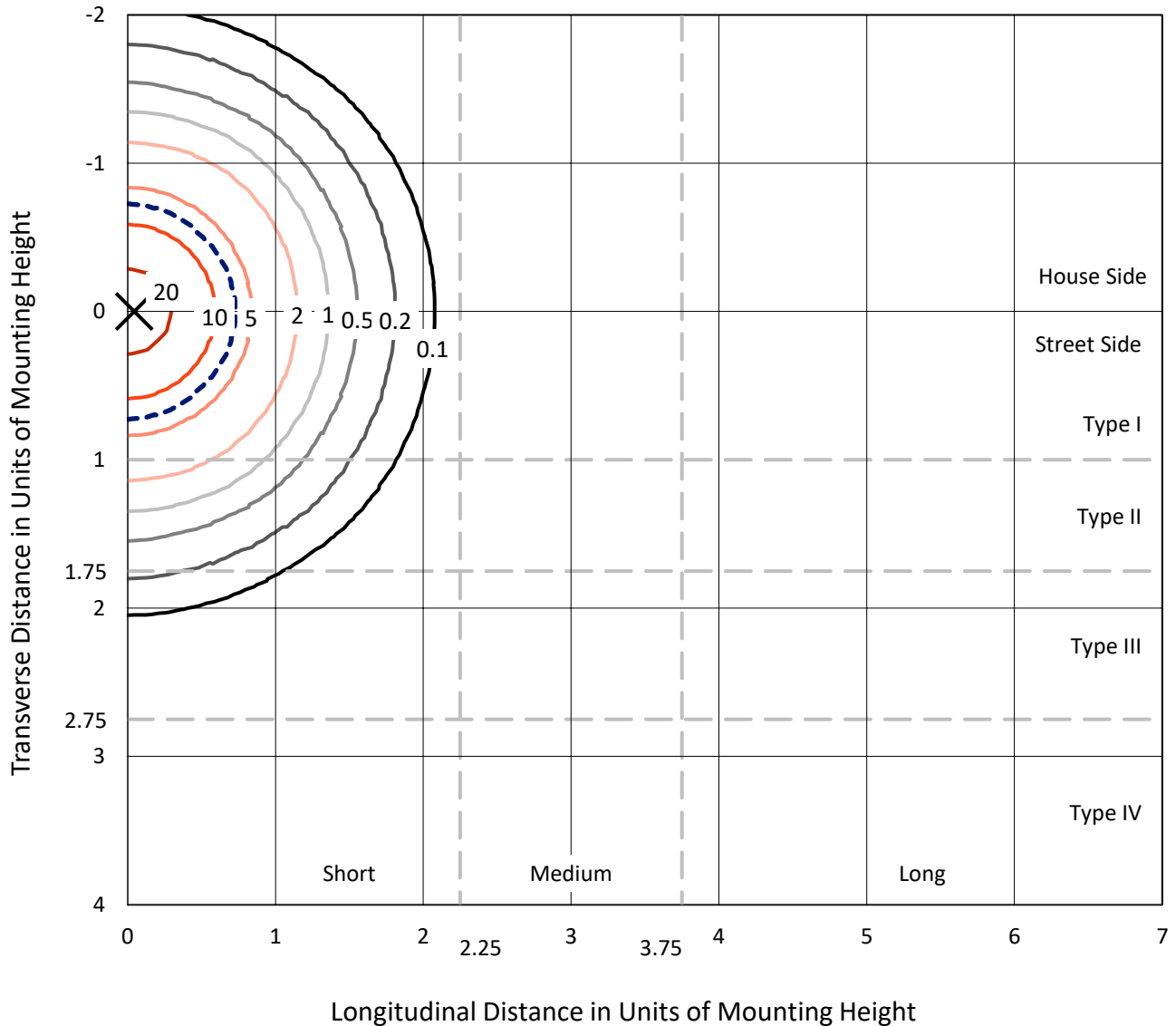
Lumens per Lamp: N/A  
Luminaire Lumens: 23455 lumens  
Efficiency: N/A  
Efficacy: 93.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 249.7  
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

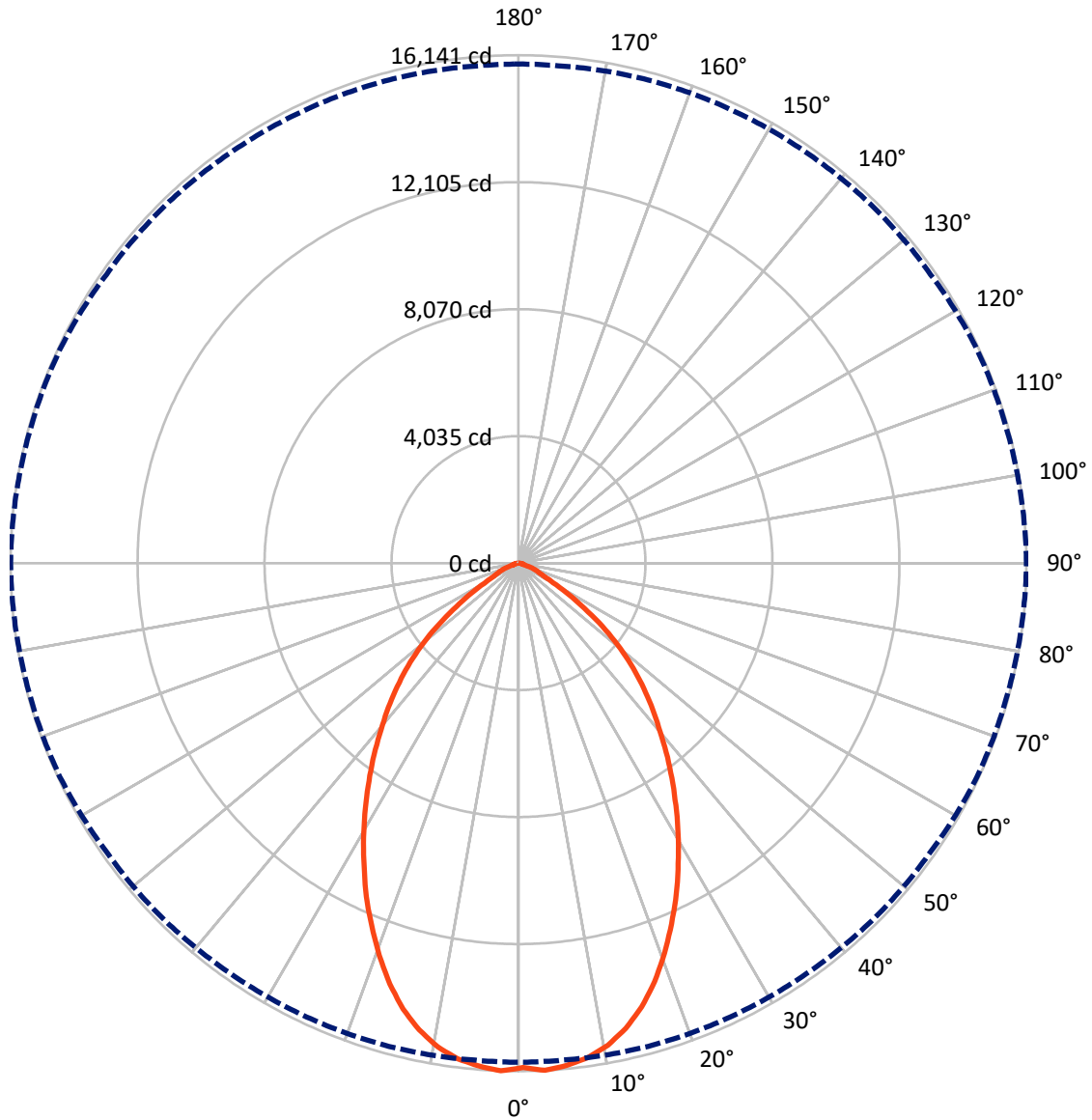
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.7 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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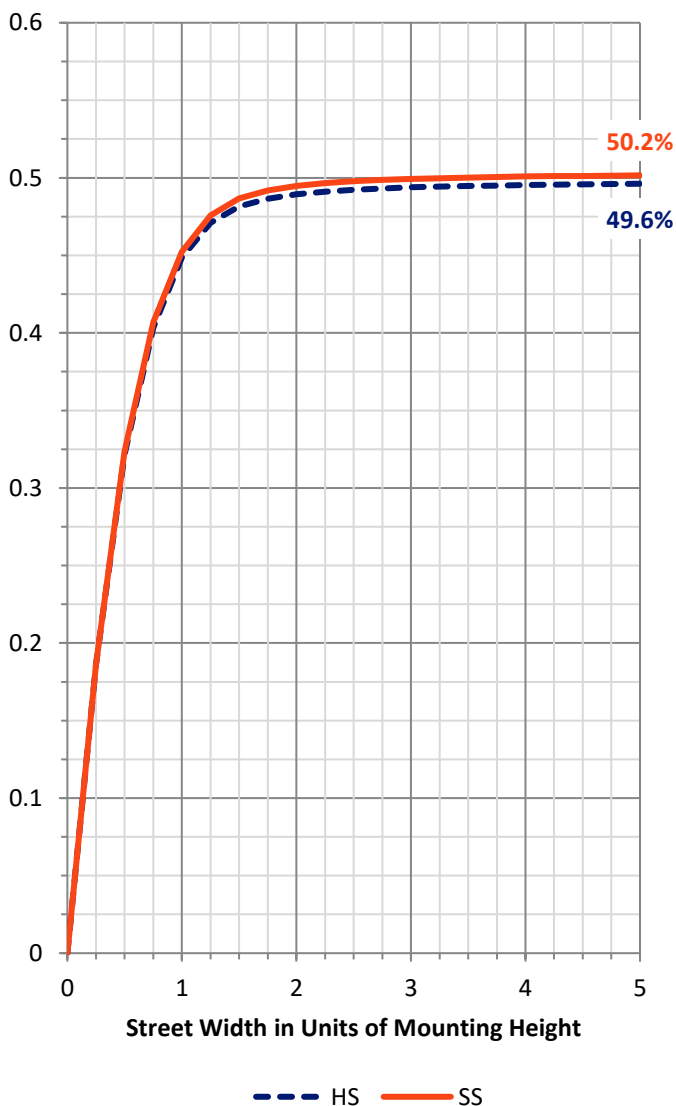
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11727.5	0.0	11727.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11727.5	0.0	11727.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23455.0	0.0	23455.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1505.0	6.4
10°-20°	4044.1	17.2
20°-30°	5232.2	22.3
30°-40°	5160.2	22.0
40°-50°	4174.9	17.8
50°-60°	2273.1	9.7
60°-70°	720.2	3.1
70°-80°	278.7	1.2
80°-90°	66.6	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°	23455.0	100.0
0°-180°	23455.0	100.0

**Coefficient of Utilization**



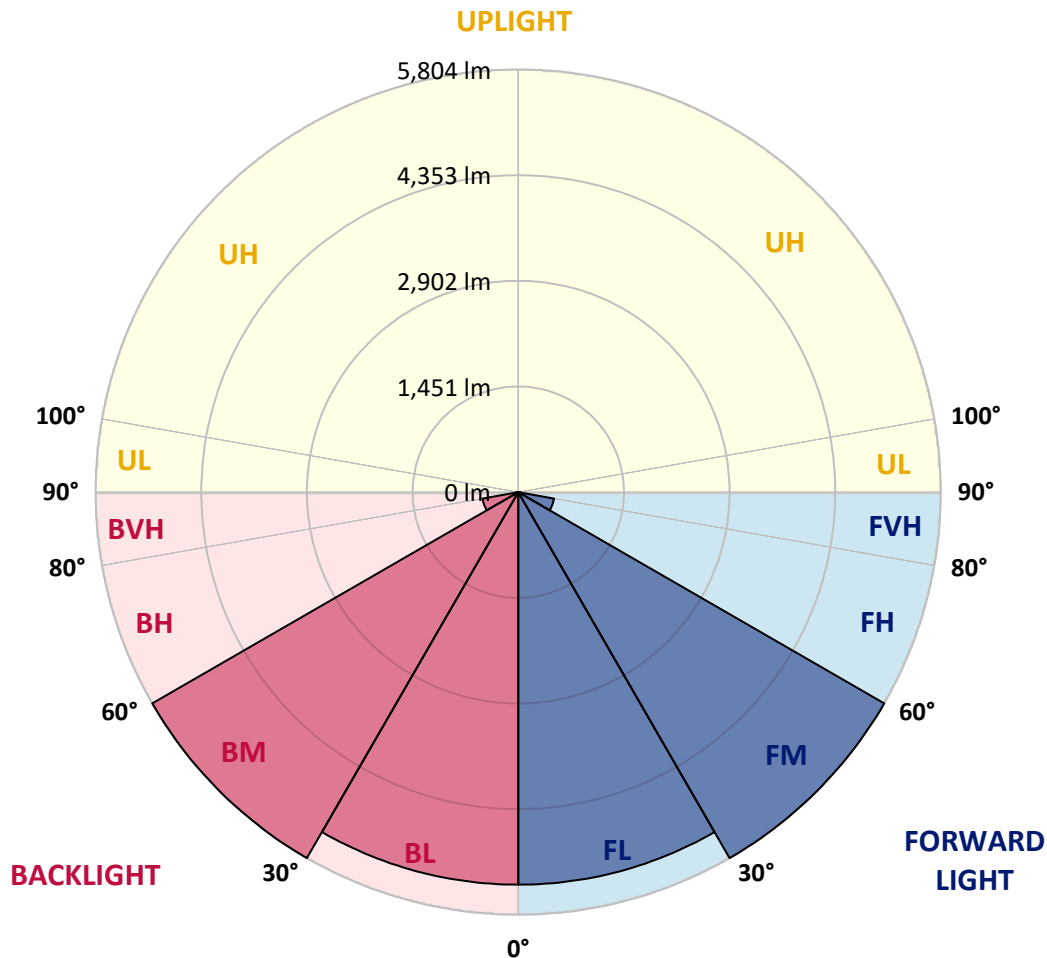
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5390.7	23.0			
FM (30°-60°)	5804.1	24.7			
FH (60°-80°)	499.4	2.1			G0/660
FVH (80°-90°)	33.3	0.1			G1/100
BL (0°-30°)	5390.7	23.0	B5		
BM (30°-60°)	5804.1	24.7	B4/8500		
BH (60°-80°)	499.4	2.1	B1/500		G0/660
BVH (80°-90°)	33.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	16032.1	16032.1	16032.1	16032.1	16032.1	16032.1	16032.1	16032.1	16032.1	16032.1	16032.1
2.5°	15859.3	15855.9	15896.6	15913.5	15933.8	15974.5	15988.1	16076.2	16086.3	16120.2	16140.6
5°	15832.2	15818.6	15859.3	15866.1	15889.8	15896.6	15916.9	15977.9	15971.1	16022.0	16032.1
7.5°	15686.5	15669.5	15703.4	15710.2	15744.1	15733.9	15767.8	15811.9	15811.9	15849.1	15866.1
10°	15361.2	15357.8	15391.6	15395.0	15442.5	15432.3	15486.5	15496.7	15523.8	15550.9	15581.4
12.5°	14971.4	14927.4	14971.4	14954.5	15018.9	14981.6	15056.2	15079.9	15093.4	15140.9	15164.6
15°	14469.9	14415.7	14446.2	14429.2	14469.9	14422.5	14500.4	14547.9	14564.8	14612.2	14636.0
17.5°	13798.9	13754.9	13761.7	13737.9	13765.1	13727.8	13802.3	13876.9	13900.6	13951.4	13985.3
20°	12955.1	12955.1	12958.5	12938.2	12961.9	12924.6	12972.1	13087.3	13111.0	13178.8	13236.4
22.5°	12131.7	12131.7	12141.8	12114.7	12121.5	12104.6	12155.4	12267.2	12304.5	12375.7	12446.8
25°	11342.1	11328.6	11335.3	11311.6	11284.5	11291.3	11352.3	11423.4	11504.8	11596.3	11650.5
27.5°	10589.8	10606.8	10566.1	10549.1	10528.8	10491.5	10562.7	10650.8	10708.4	10783.0	10810.1
30°	9786.7	9820.6	9790.1	9776.5	9725.7	9678.2	9752.8	9840.9	9898.5	9969.7	10000.2
32.5°	9071.7	9061.5	9034.4	9003.9	8953.0	8915.8	8946.3	9047.9	9092.0	9166.5	9176.7
35°	8305.8	8299.0	8282.1	8221.1	8204.1	8160.1	8187.2	8275.3	8309.2	8353.2	8387.1
37.5°	7556.9	7533.2	7526.4	7502.7	7472.2	7462.0	7462.0	7509.4	7543.3	7587.4	7621.3
40°	6814.8	6821.5	6801.2	6780.9	6770.7	6757.1	6760.5	6787.6	6814.8	6835.1	6855.4
42.5°	6143.8	6106.5	6093.0	6072.6	6082.8	6099.7	6062.5	6103.1	6137.0	6137.0	6181.1
45°	5374.5	5391.5	5398.3	5432.1	5432.1	5415.2	5401.6	5422.0	5455.9	5452.5	5496.5
47.5°	4703.6	4683.2	4700.2	4751.0	4795.1	4801.8	4761.2	4771.3	4781.5	4764.6	4805.2
50°	3968.2	3975.0	3971.6	4049.5	4137.6	4107.2	4076.7	4086.8	4083.4	4083.4	4090.2
52.5°	3168.5	3185.4	3165.1	3276.9	3371.8	3348.1	3327.7	3327.7	3344.7	3341.3	3337.9
55°	2439.9	2433.1	2389.1	2443.3	2528.0	2531.4	2500.9	2514.4	2531.4	2548.3	2544.9
57.5°	1816.4	1796.0	1735.0	1738.4	1833.3	1857.0	1829.9	1826.5	1846.9	1853.6	1890.9
60°	1223.3	1219.9	1165.7	1162.3	1199.6	1264.0	1233.5	1233.5	1240.3	1250.4	1260.6
62.5°	837.0	843.8	823.5	820.1	826.9	881.1	877.7	874.3	870.9	884.5	881.1
65°	657.4	660.8	654.0	654.0	657.4	681.1	704.9	708.2	711.6	715.0	711.6
67.5°	528.6	532.0	525.3	532.0	532.0	535.4	569.3	582.9	586.3	586.3	582.9
70°	406.6	420.2	427.0	427.0	427.0	427.0	450.7	467.6	464.3	443.9	423.6
72.5°	203.3	247.4	342.3	345.7	342.3	338.9	352.4	369.4	366.0	257.5	193.2
75°	135.5	145.7	267.7	281.3	277.9	264.3	277.9	298.2	291.4	166.0	159.3
77.5°	77.9	84.7	179.6	206.7	223.7	193.2	220.3	240.6	230.4	135.5	132.2
80°	61.0	57.6	128.8	159.3	152.5	122.0	179.6	193.2	176.2	101.7	91.5
82.5°	37.3	37.3	84.7	122.0	111.8	71.2	125.4	149.1	132.2	74.6	67.8
85°	20.3	23.7	40.7	61.0	64.4	47.4	67.8	81.3	81.3	47.4	47.4
87.5°	10.2	10.2	13.6	13.6	16.9	20.3	20.3	23.7	16.9	13.6	13.6
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)