

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: P524198

Luminaire Tested: **IFLD-S-SA6A-940-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524198
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-940-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

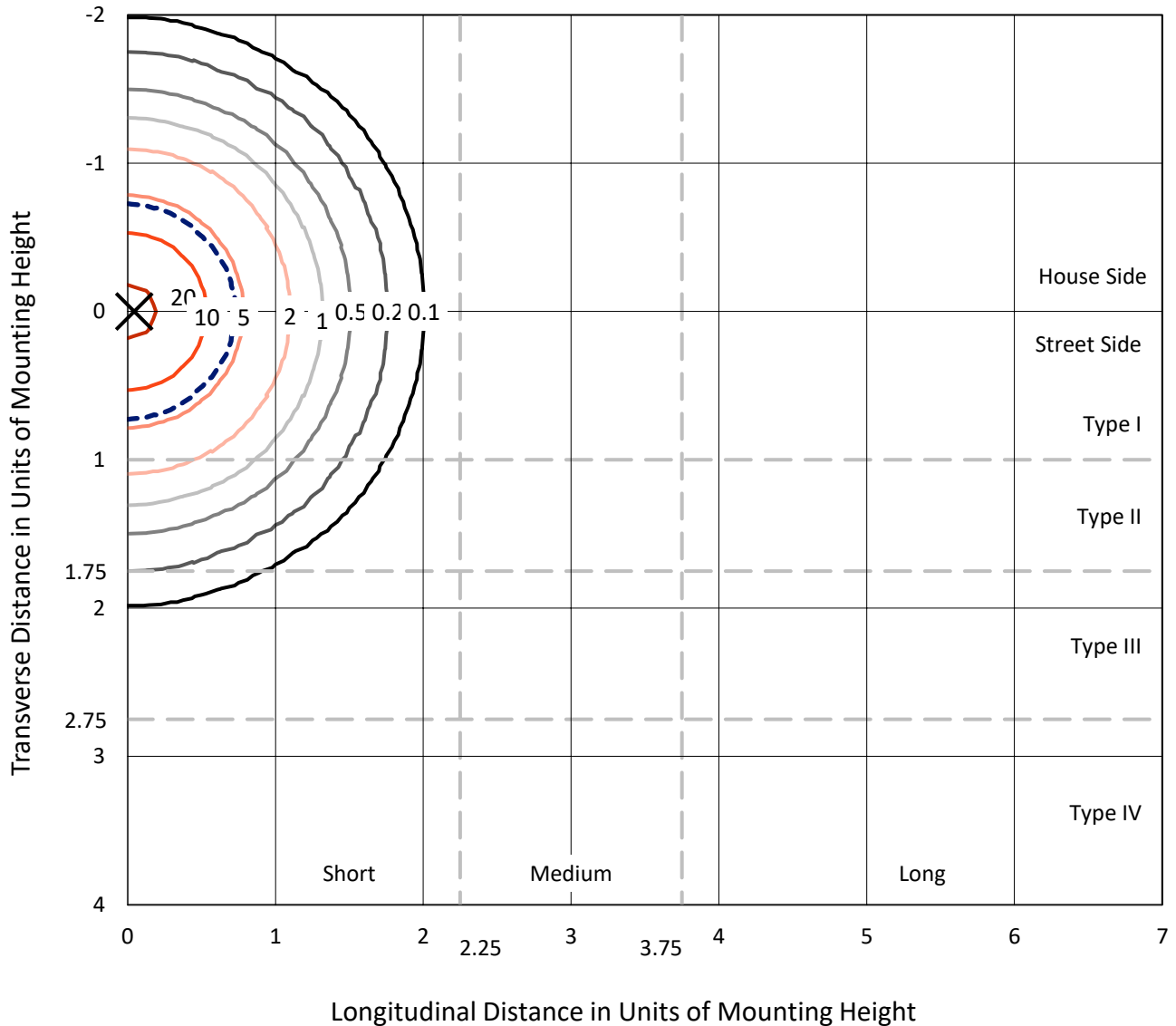
Lumens per Lamp: N/A
Luminaire Lumens: 20235.6 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 189.6
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

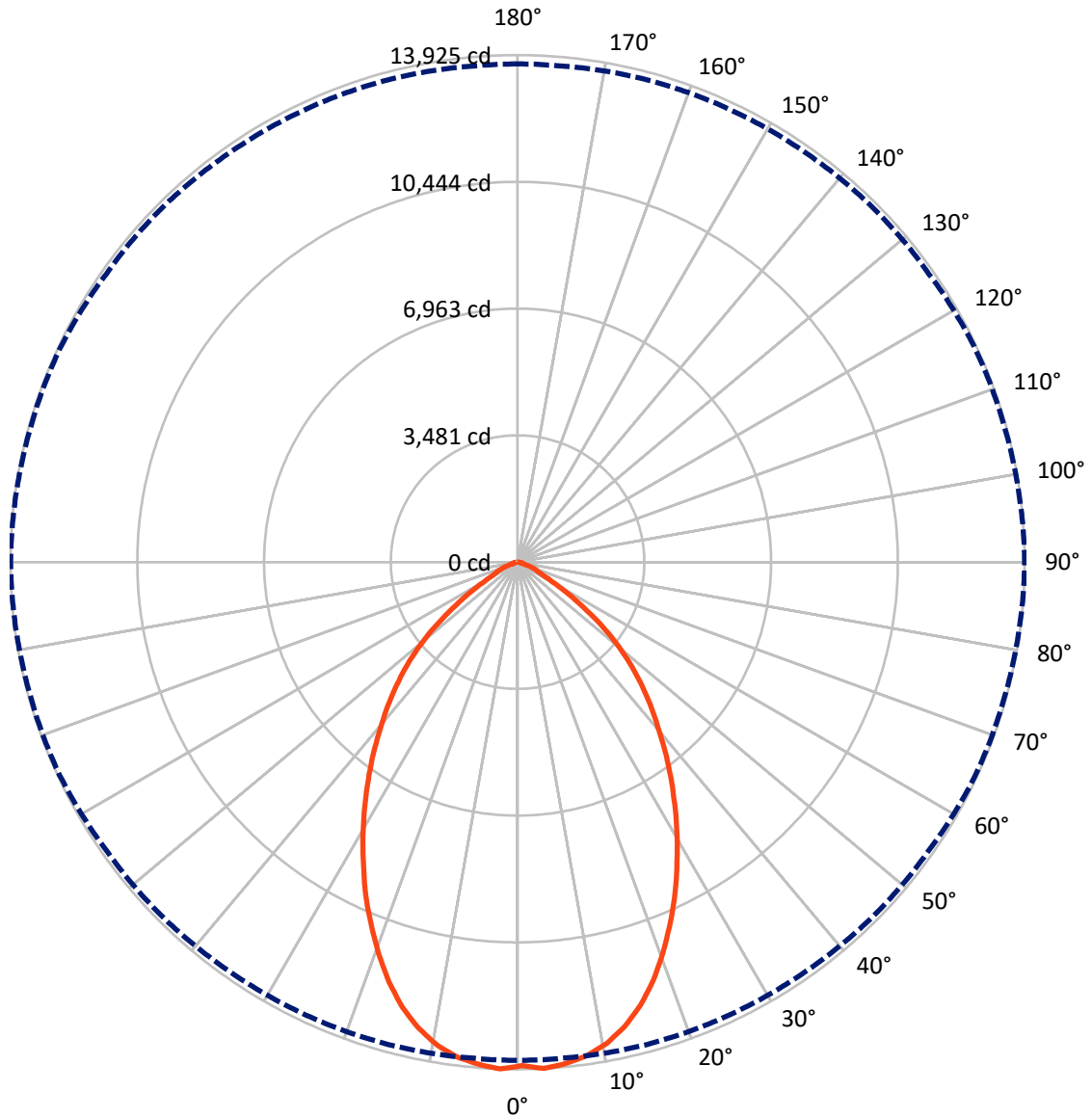
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.1 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
House Side	Lumens	10117.8	0.0	10117.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10117.8	0.0	10117.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	20235.6	0.0	20235.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1298.5	6.4
10°-20°	3489.0	17.2
20°-30°	4514.0	22.3
30°-40°	4451.9	22.0
40°-50°	3601.8	17.8
50°-60°	1961.1	9.7
60°-70°	621.4	3.1
70°-80°	240.4	1.2
80°-90°	57.5	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°	20235.6	100.0
0°-180°	20235.6	100.0

Coefficient of Utilization



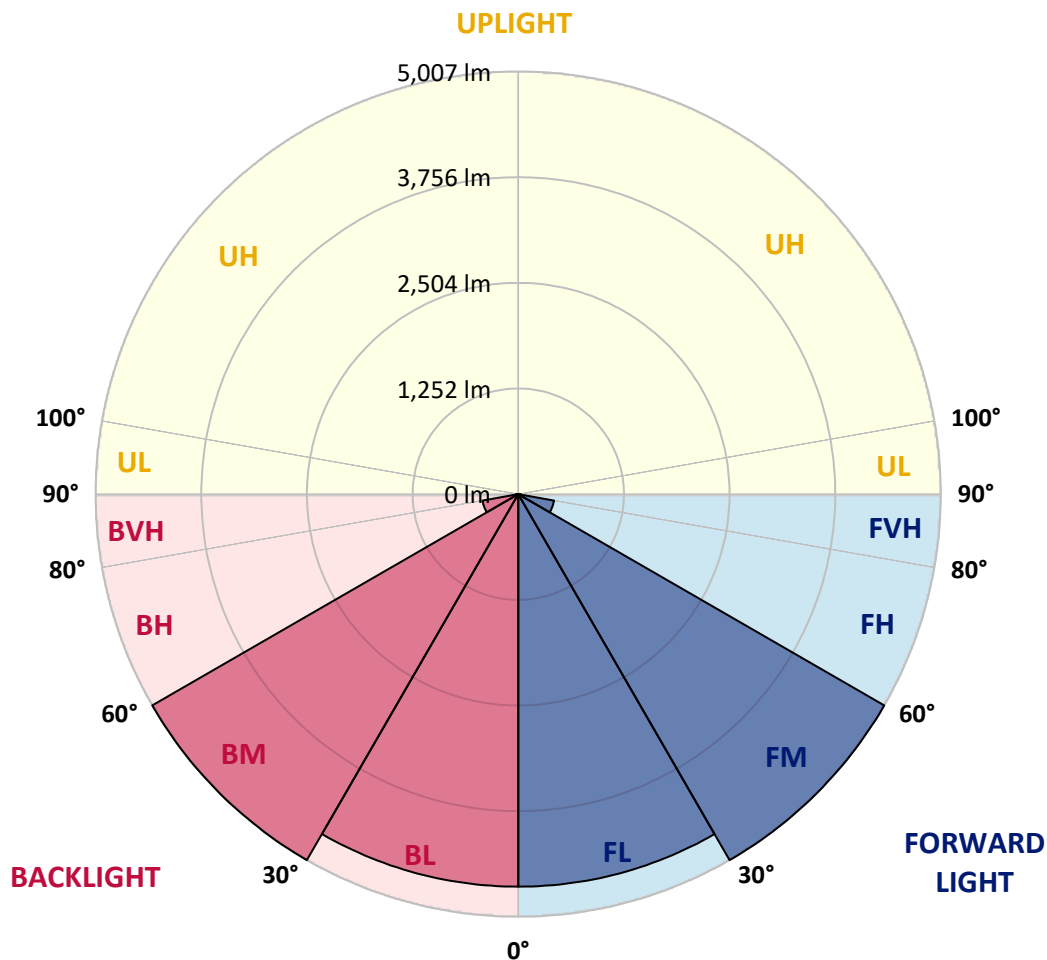
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4650.8	23.0			
FM (30°-60°)	5007.4	24.7			
FH (60°-80°)	430.9	2.1			G0/660
FVH (80°-90°)	28.7	0.1			G1/100
BL (0°-30°)	4650.8	23.0	B4/5000		
BM (30°-60°)	5007.4	24.7	B4/8500		
BH (60°-80°)	430.9	2.1	B1/500		G0/660
BVH (80°-90°)	28.7	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°	13831.6	13831.6	13831.6	13831.6	13831.6	13831.6	13831.6	13831.6	13831.6	13831.6	13831.6
2.5°	13682.5	13679.5	13714.6	13729.2	13746.8	13781.9	13793.6	13869.6	13878.4	13907.6	13925.1
5°	13659.1	13647.4	13682.5	13688.3	13708.8	13714.6	13732.2	13784.8	13779.0	13822.8	13831.6
7.5°	13533.4	13518.7	13548.0	13553.8	13583.1	13574.3	13603.5	13641.5	13641.5	13673.7	13688.3
10°	13252.7	13249.8	13279.0	13281.9	13322.9	13314.1	13360.9	13369.6	13393.0	13416.4	13442.7
12.5°	12916.5	12878.5	12916.5	12901.9	12957.4	12925.3	12989.6	13010.0	13021.7	13062.7	13083.1
15°	12483.8	12437.0	12463.3	12448.7	12483.8	12442.9	12510.1	12551.0	12565.7	12606.6	12627.0
17.5°	11904.9	11866.9	11872.8	11852.3	11875.7	11843.5	11907.8	11972.2	11992.6	12036.5	12065.7
20°	11176.9	11176.9	11179.9	11162.3	11182.8	11150.6	11191.6	11291.0	11311.4	11369.9	11419.6
22.5°	10466.5	10466.5	10475.3	10451.9	10457.7	10443.1	10487.0	10583.4	10615.6	10677.0	10738.4
25°	9785.3	9773.6	9779.5	9759.0	9735.6	9741.5	9794.1	9855.5	9925.6	10004.6	10051.4
27.5°	9136.3	9150.9	9115.8	9101.2	9083.6	9051.5	9112.9	9188.9	9238.6	9302.9	9326.3
30°	8443.4	8472.6	8446.3	8434.6	8390.7	8349.8	8414.1	8490.1	8539.9	8601.2	8627.6
32.5°	7826.5	7817.7	7794.3	7768.0	7724.2	7692.0	7718.3	7806.0	7844.0	7908.4	7917.1
35°	7165.8	7159.9	7145.3	7092.7	7078.0	7040.0	7063.4	7139.4	7168.7	7206.7	7235.9
37.5°	6519.6	6499.2	6493.3	6472.9	6446.5	6437.8	6437.8	6478.7	6507.9	6546.0	6575.2
40°	5879.4	5885.2	5867.7	5850.1	5841.4	5829.7	5832.6	5856.0	5879.4	5896.9	5914.5
42.5°	5300.5	5268.3	5256.6	5239.1	5247.9	5262.5	5230.3	5265.4	5294.6	5294.6	5332.7
45°	4636.8	4651.5	4657.3	4686.5	4686.5	4671.9	4660.2	4677.8	4707.0	4704.1	4742.1
47.5°	4058.0	4040.4	4055.0	4098.9	4136.9	4142.7	4107.7	4116.4	4125.2	4110.6	4145.7
50°	3423.5	3429.4	3426.5	3493.7	3569.7	3543.4	3517.1	3525.9	3522.9	3522.9	3528.8
52.5°	2733.6	2748.2	2730.6	2827.1	2909.0	2888.5	2871.0	2871.0	2885.6	2882.7	2879.8
55°	2105.0	2099.1	2061.1	2107.9	2181.0	2183.9	2157.6	2169.3	2183.9	2198.6	2195.6
57.5°	1567.1	1549.5	1496.9	1499.8	1581.7	1602.1	1578.7	1575.8	1593.4	1599.2	1631.4
60°	1055.4	1052.5	1005.7	1002.8	1035.0	1090.5	1064.2	1064.2	1070.0	1078.8	1087.6
62.5°	722.1	728.0	710.4	707.5	713.4	760.1	757.2	754.3	751.4	763.1	760.1
65°	567.2	570.1	564.3	564.3	567.2	587.6	608.1	611.0	614.0	616.9	614.0
67.5°	456.1	459.0	453.2	459.0	459.0	461.9	491.2	502.9	505.8	505.8	502.9
70°	350.8	362.5	368.4	368.4	368.4	368.4	388.8	403.5	400.5	383.0	365.5
72.5°	175.4	213.4	295.3	298.2	295.3	292.4	304.1	318.7	315.7	222.2	166.6
75°	116.9	125.7	231.0	242.7	239.7	228.0	239.7	257.3	251.4	143.3	137.4
77.5°	67.2	73.1	155.0	178.3	193.0	166.6	190.0	207.6	198.8	116.9	114.0
80°	52.6	49.7	111.1	137.4	131.6	105.2	155.0	166.6	152.0	87.7	78.9
82.5°	32.2	32.2	73.1	105.2	96.5	61.4	108.2	128.6	114.0	64.3	58.5
85°	17.5	20.5	35.1	52.6	55.5	40.9	58.5	70.2	70.2	40.9	40.9
87.5°	8.8	8.8	11.7	11.7	14.6	17.5	17.5	20.5	14.6	11.7	11.7
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)