

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: P524159

Luminaire Tested: **IFLD-S-SA6A-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524159
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-935-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

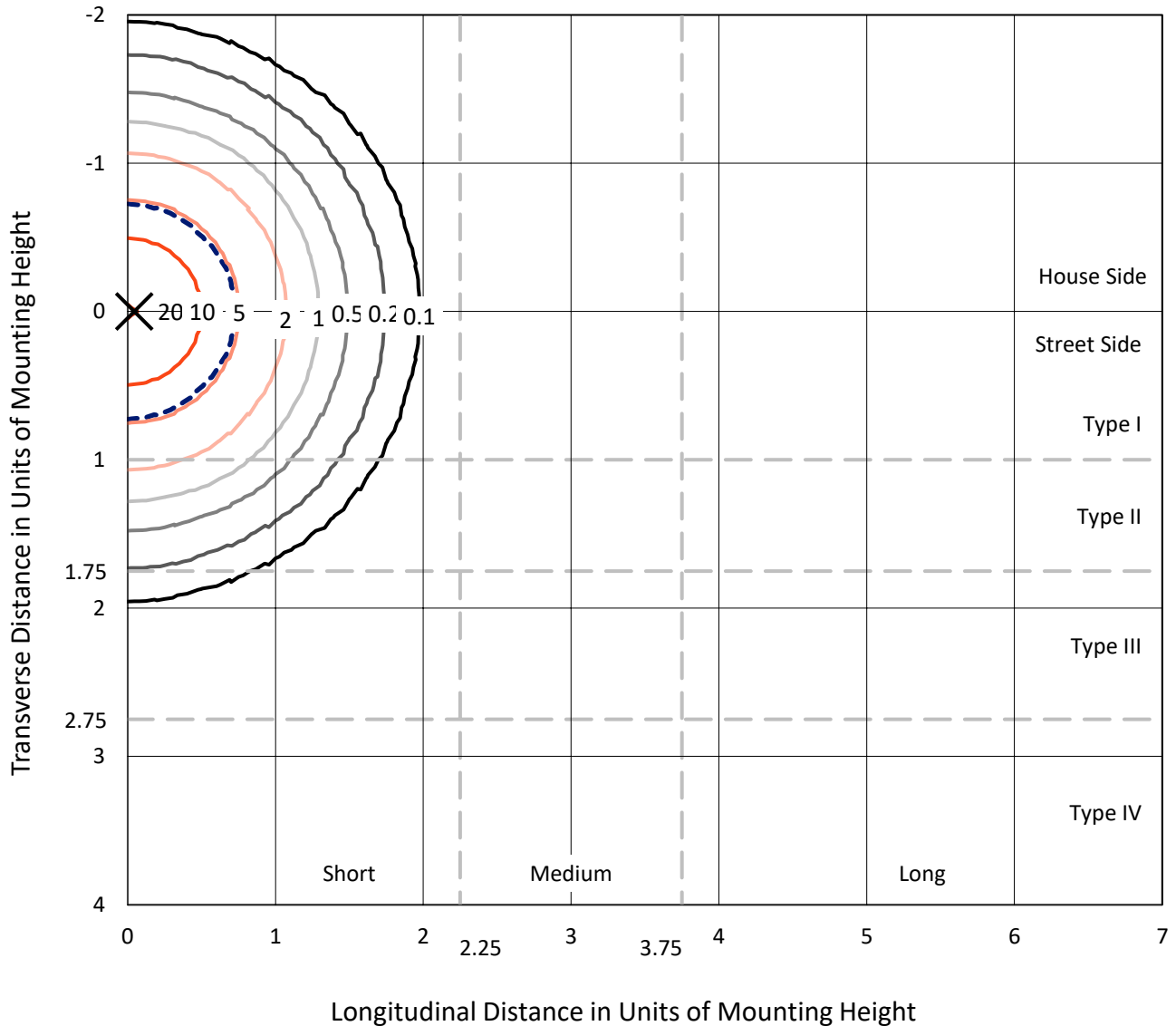
Lumens per Lamp: N/A
Luminaire Lumens: 18594.5 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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

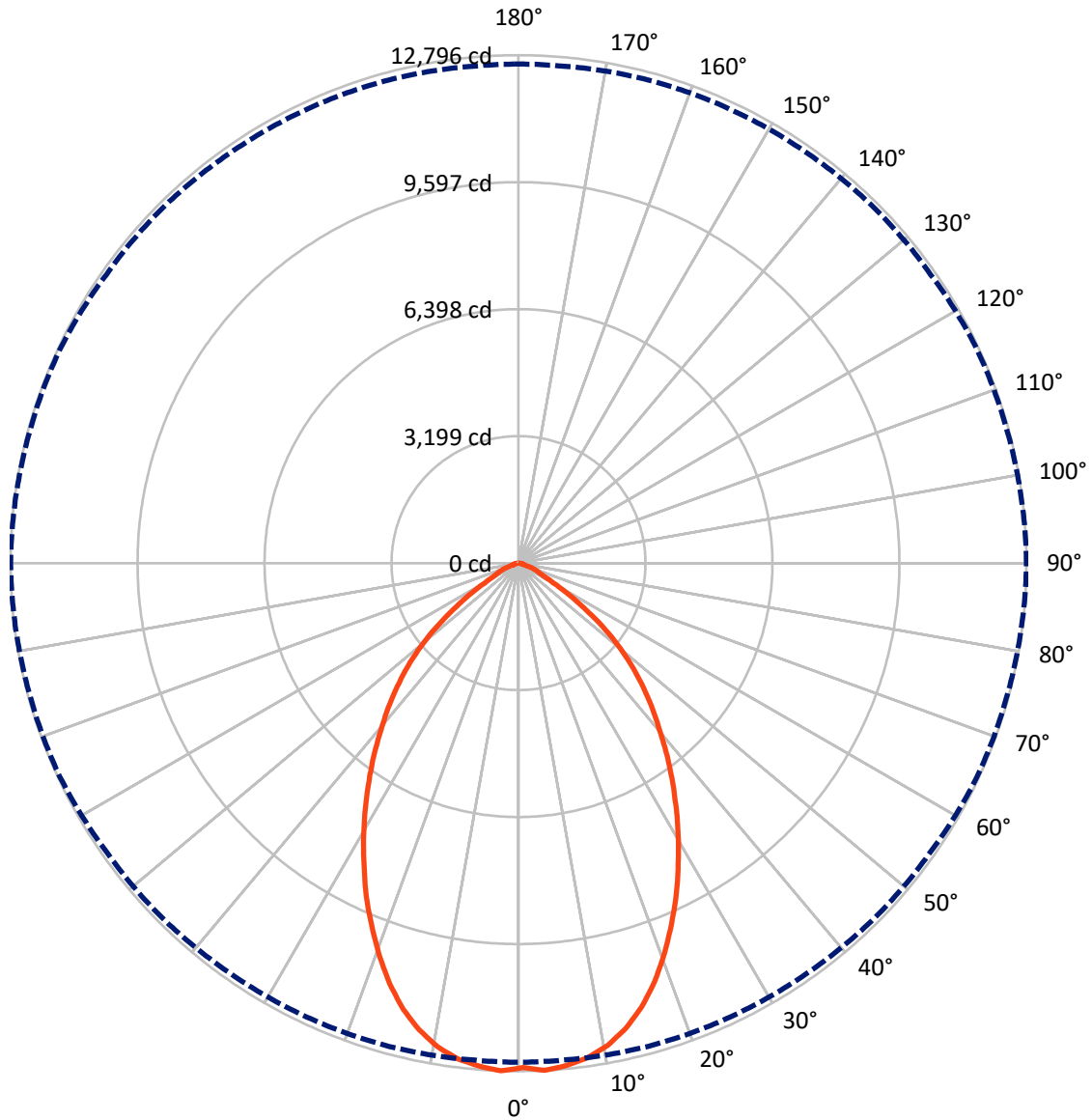
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.3 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
House Side	Lumens	9297.3	0.0	9297.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9297.3	0.0	9297.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	18594.5	0.0	18594.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1193.2	6.4
10°-20°	3206.0	17.2
20°-30°	4148.0	22.3
30°-40°	4090.9	22.0
40°-50°	3309.7	17.8
50°-60°	1802.0	9.7
60°-70°	571.0	3.1
70°-80°	220.9	1.2
80°-90°	52.8	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°	18594.5	100.0
0°-180°	18594.5	100.0

Coefficient of Utilization



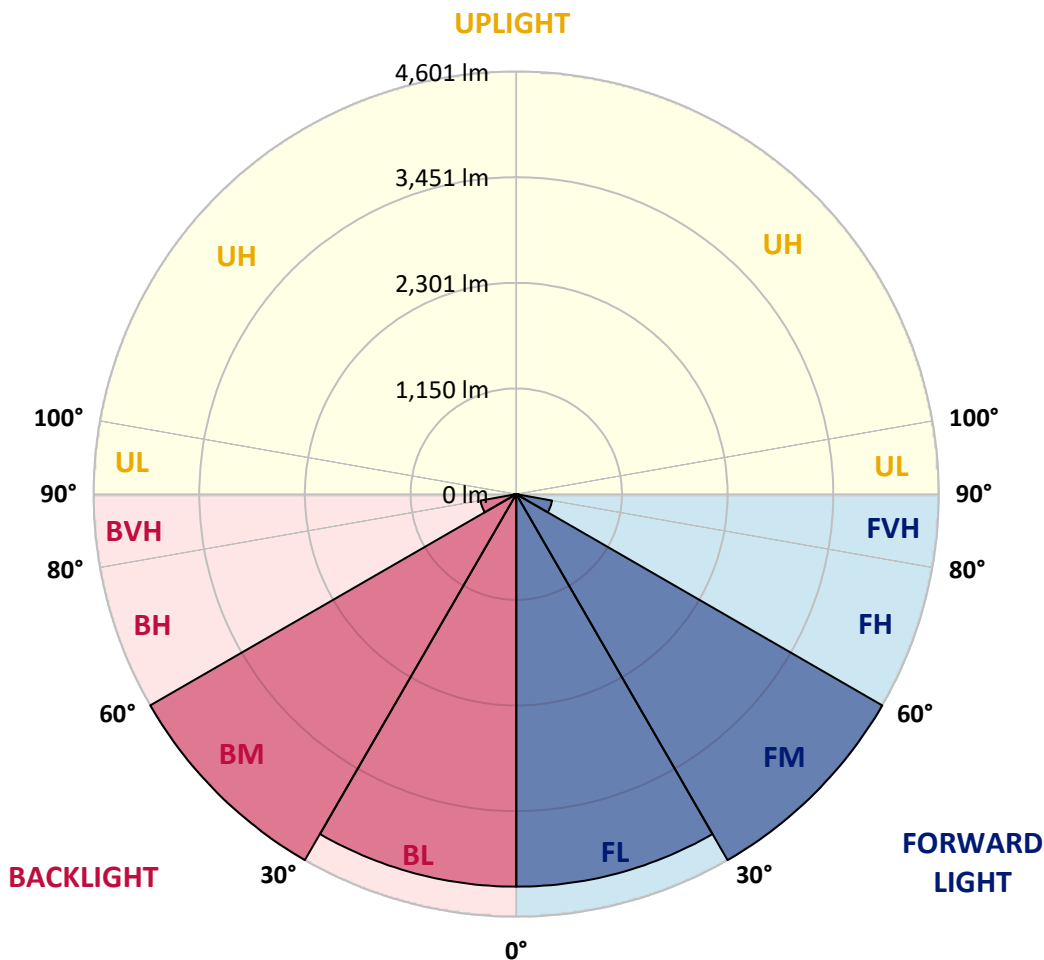
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4273.6	23.0			
FM (30°-60°)	4601.3	24.7			
FH (60°-80°)	395.9	2.1			G0/660
FVH (80°-90°)	26.4	0.1			G1/100
BL (0°-30°)	4273.6	23.0	B4/5000		
BM (30°-60°)	4601.3	24.7	B3/5000		
BH (60°-80°)	395.9	2.1	B1/500		G0/660
BVH (80°-90°)	26.4	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°	12709.8	12709.8	12709.8	12709.8	12709.8	12709.8	12709.8	12709.8	12709.8	12709.8	12709.8
2.5°	12572.8	12570.1	12602.4	12615.8	12631.9	12664.2	12674.9	12744.8	12752.8	12779.7	12795.8
5°	12551.3	12540.6	12572.8	12578.2	12597.0	12602.4	12618.5	12666.9	12661.5	12701.8	12709.8
7.5°	12435.8	12422.4	12449.2	12454.6	12481.5	12473.4	12500.3	12535.2	12535.2	12564.8	12578.2
10°	12177.9	12175.2	12202.1	12204.8	12242.4	12234.3	12277.3	12285.4	12306.9	12328.4	12352.5
12.5°	11869.0	11834.0	11869.0	11855.5	11906.6	11877.0	11936.1	11954.9	11965.7	12003.3	12022.1
15°	11471.4	11428.4	11452.6	11439.1	11471.4	11433.7	11495.5	11533.1	11546.6	11584.2	11603.0
17.5°	10939.4	10904.5	10909.9	10891.1	10912.6	10883.0	10942.1	11001.2	11020.0	11060.3	11087.2
20°	10270.5	10270.5	10273.2	10257.1	10275.9	10246.3	10283.9	10375.3	10394.1	10447.8	10493.5
22.5°	9617.7	9617.7	9625.7	9604.2	9609.6	9596.2	9636.5	9725.1	9754.7	9811.1	9867.5
25°	8991.7	8981.0	8986.3	8967.5	8946.0	8951.4	8999.8	9056.2	9120.7	9193.2	9236.2
27.5°	8395.3	8408.7	8376.5	8363.1	8347.0	8317.4	8373.8	8443.7	8489.3	8548.4	8569.9
30°	7758.6	7785.5	7761.3	7750.6	7710.3	7672.6	7731.7	7801.6	7847.3	7903.7	7927.9
32.5°	7191.8	7183.7	7162.2	7138.0	7097.7	7068.2	7092.4	7173.0	7207.9	7267.0	7275.0
35°	6584.6	6579.2	6565.8	6517.5	6504.0	6469.1	6490.6	6560.4	6587.3	6622.2	6649.1
37.5°	5990.9	5972.1	5966.7	5947.9	5923.7	5915.7	5915.7	5953.3	5980.2	6015.1	6041.9
40°	5402.6	5407.9	5391.8	5375.7	5367.6	5356.9	5359.6	5381.1	5402.6	5418.7	5434.8
42.5°	4870.6	4841.1	4830.3	4814.2	4822.3	4835.7	4806.1	4838.4	4865.3	4865.3	4900.2
45°	4260.8	4274.2	4279.6	4306.5	4306.5	4293.0	4282.3	4298.4	4325.3	4322.6	4357.5
47.5°	3728.9	3712.7	3726.2	3766.5	3801.4	3806.8	3774.5	3782.6	3790.7	3777.2	3809.5
50°	3145.9	3151.3	3148.6	3210.4	3280.2	3256.0	3231.9	3239.9	3237.2	3237.2	3242.6
52.5°	2511.9	2525.3	2509.2	2597.8	2673.1	2654.3	2638.1	2638.1	2651.6	2648.9	2646.2
55°	1934.3	1928.9	1894.0	1937.0	2004.1	2006.8	1982.6	1993.4	2006.8	2020.2	2017.6
57.5°	1440.0	1423.8	1375.5	1378.2	1453.4	1472.2	1450.7	1448.0	1464.1	1469.5	1499.1
60°	969.8	967.1	924.2	921.5	951.0	1002.1	977.9	977.9	983.3	991.3	999.4
62.5°	663.6	668.9	652.8	650.1	655.5	698.5	695.8	693.1	690.4	701.2	698.5
65°	521.2	523.9	518.5	518.5	521.2	540.0	558.8	561.5	564.2	566.9	564.2
67.5°	419.1	421.8	416.4	421.8	421.8	424.5	451.3	462.1	464.8	464.8	462.1
70°	322.4	333.1	338.5	338.5	338.5	338.5	357.3	370.7	368.1	351.9	335.8
72.5°	161.2	196.1	271.3	274.0	271.3	268.7	279.4	292.8	290.1	204.2	153.1
75°	107.5	115.5	212.2	223.0	220.3	209.5	220.3	236.4	231.0	131.6	126.3
77.5°	61.8	67.2	142.4	163.9	177.3	153.1	174.6	190.7	182.7	107.5	104.8
80°	48.4	45.7	102.1	126.3	120.9	96.7	142.4	153.1	139.7	80.6	72.5
82.5°	29.6	29.6	67.2	96.7	88.7	56.4	99.4	118.2	104.8	59.1	53.7
85°	16.1	18.8	32.2	48.4	51.0	37.6	53.7	64.5	64.5	37.6	37.6
87.5°	8.1	8.1	10.7	10.7	13.4	16.1	16.1	18.8	13.4	10.7	10.7
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)