

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: P524081

Luminaire Tested: **IFLD-S-SA6A-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524081
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

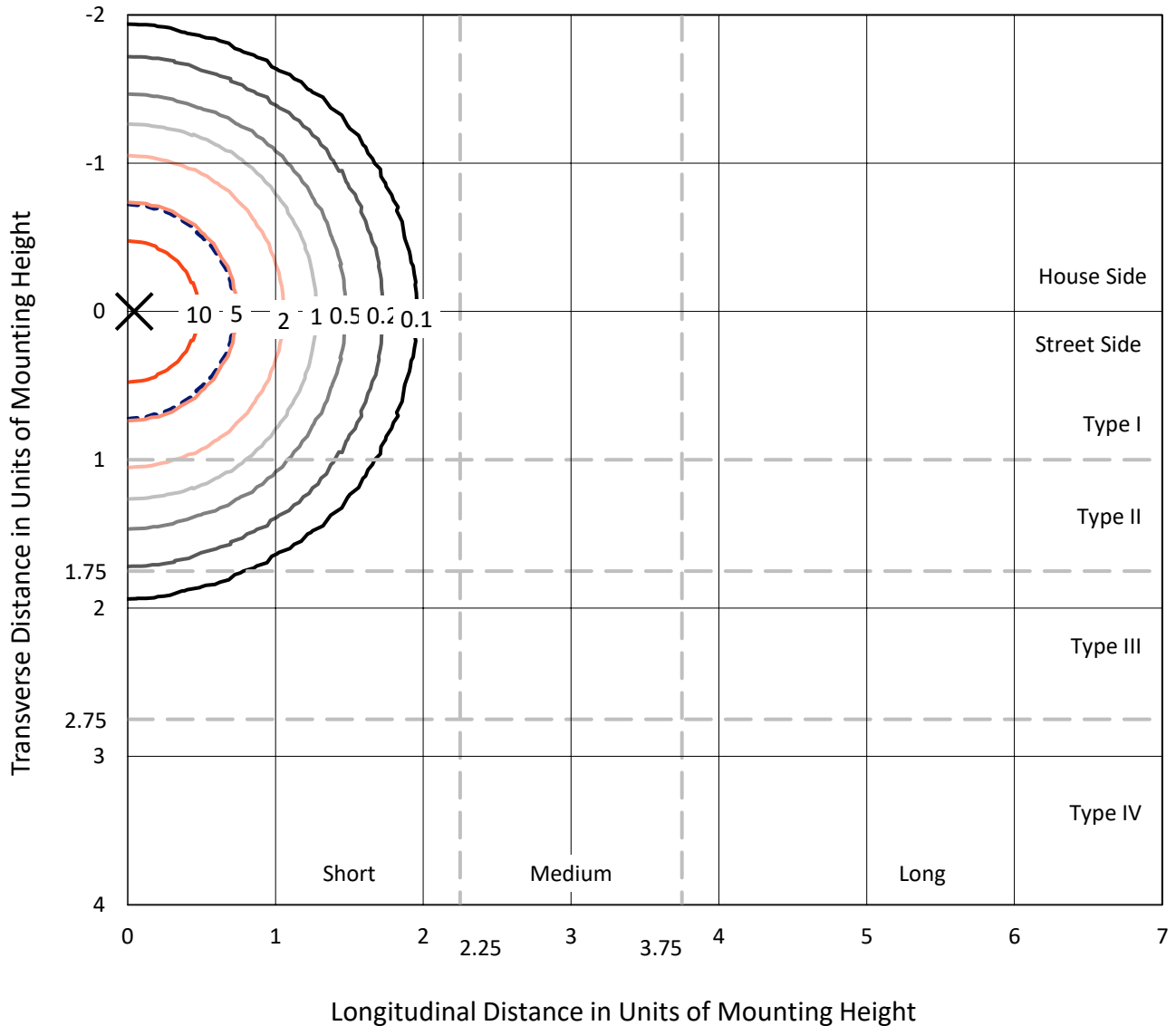
Lumens per Lamp: N/A
Luminaire Lumens: 17728.4 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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

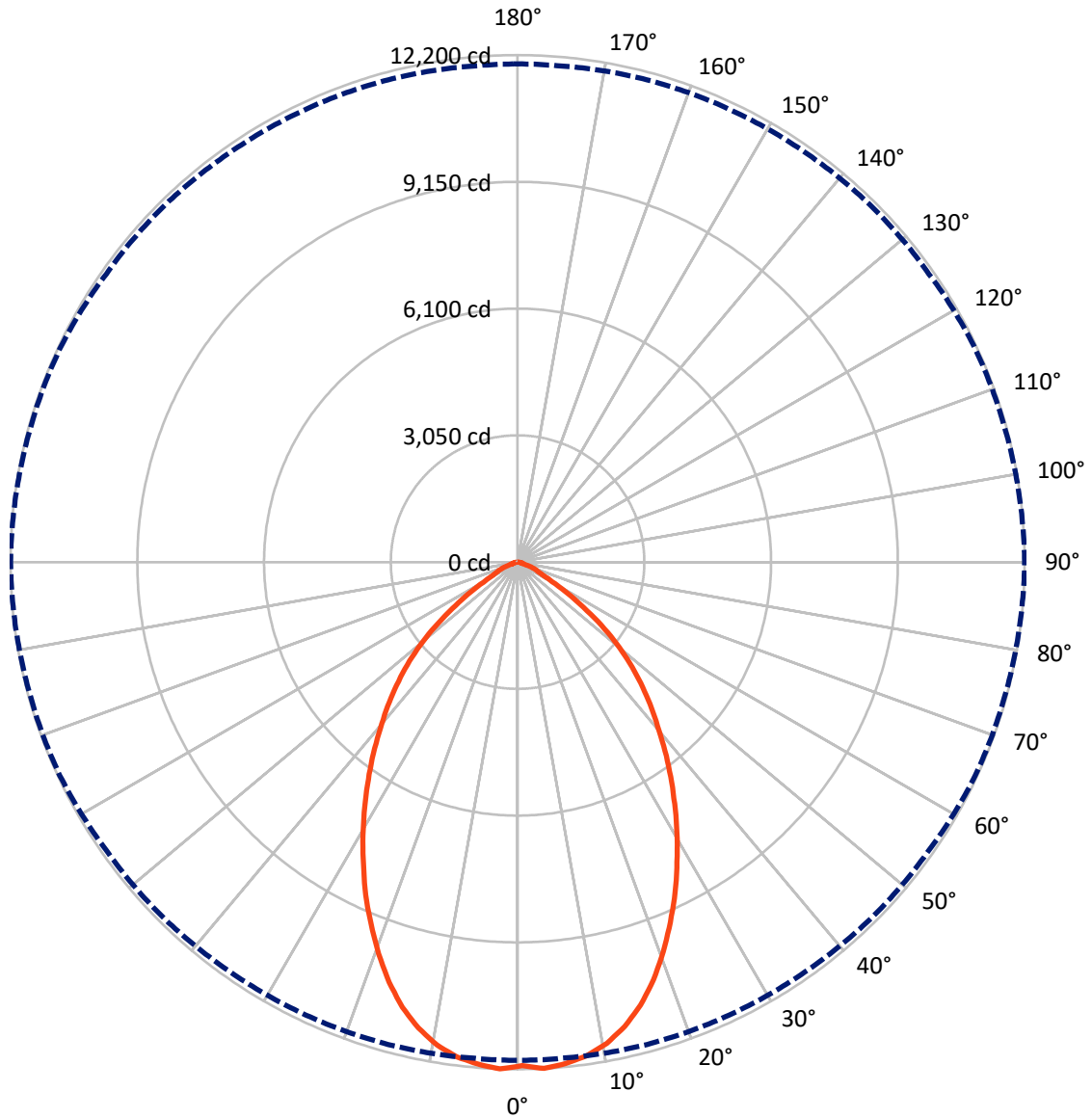
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.4 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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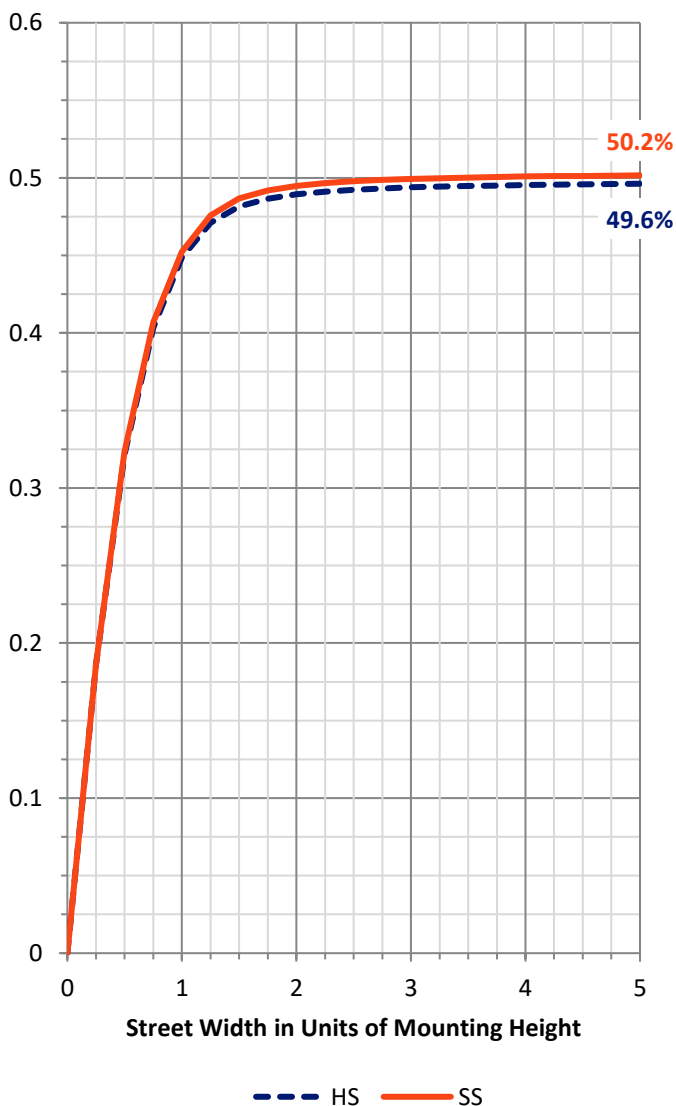
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8864.2	0.0	8864.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8864.2	0.0	8864.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	17728.4	0.0	17728.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1137.6	6.4
10°-20°	3056.7	17.2
20°-30°	3954.8	22.3
30°-40°	3900.4	22.0
40°-50°	3155.6	17.8
50°-60°	1718.1	9.7
60°-70°	544.4	3.1
70°-80°	210.6	1.2
80°-90°	50.3	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°	17728.4	100.0
0°-180°	17728.4	100.0

Coefficient of Utilization



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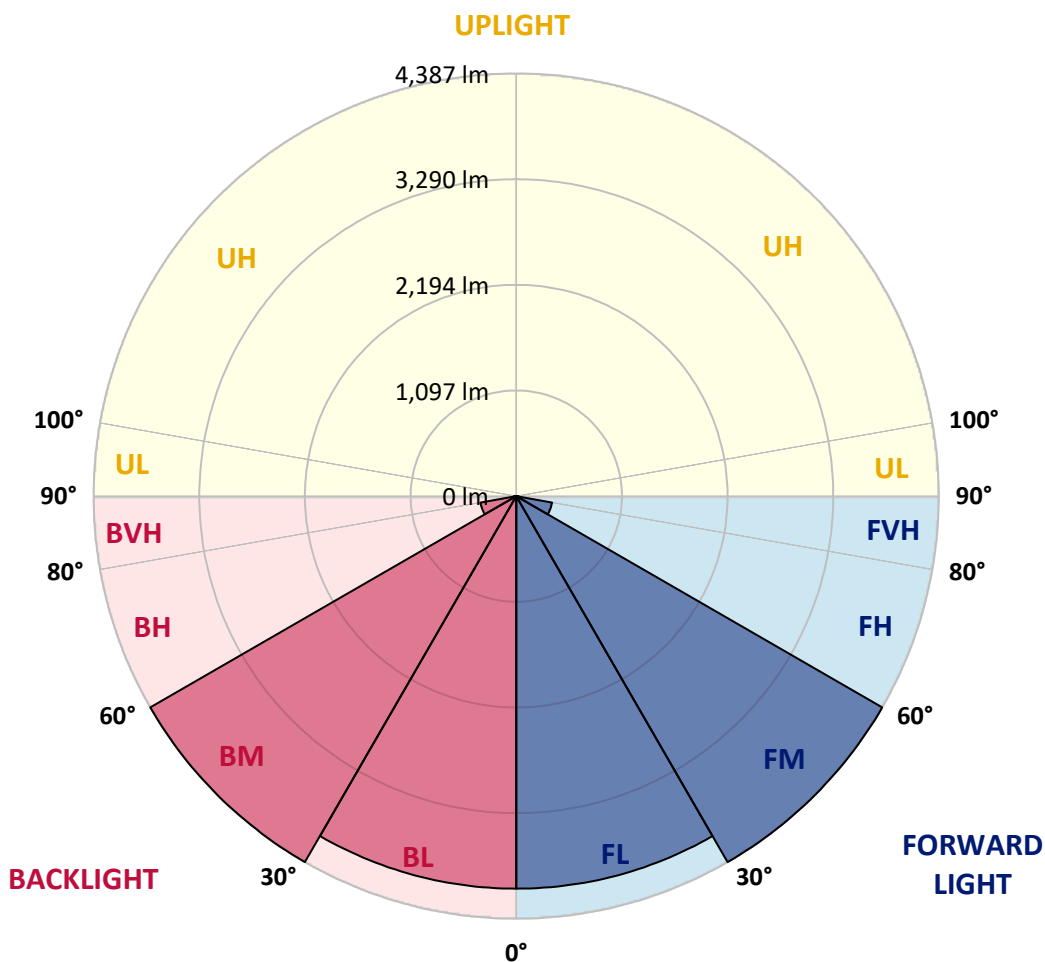
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4074.5	23.0			
FM (30°-60°)	4387.0	24.7			
FH (60°-80°)	377.5	2.1			G0/660
FVH (80°-90°)	25.2	0.1			G1/100
BL (0°-30°)	4074.5	23.0	B4/5000		
BM (30°-60°)	4387.0	24.7	B3/5000		
BH (60°-80°)	377.5	2.1	B1/500		G0/660
BVH (80°-90°)	25.2	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°	12117.8	12117.8	12117.8	12117.8	12117.8	12117.8	12117.8	12117.8	12117.8	12117.8	12117.8
2.5°	11987.2	11984.7	12015.4	12028.2	12043.6	12074.3	12084.5	12151.1	12158.8	12184.4	12199.8
5°	11966.7	11956.5	11987.2	11992.3	12010.3	12015.4	12030.8	12076.9	12071.7	12110.2	12117.8
7.5°	11856.6	11843.8	11869.4	11874.5	11900.1	11892.4	11918.1	11951.4	11951.4	11979.5	11992.3
10°	11610.7	11608.1	11633.7	11636.3	11672.2	11664.5	11705.5	11713.1	11733.6	11754.1	11777.2
12.5°	11316.1	11282.8	11316.1	11303.3	11352.0	11323.8	11380.2	11398.1	11408.3	11444.2	11462.1
15°	10937.1	10896.1	10919.1	10906.3	10937.1	10901.2	10960.1	10996.0	11008.8	11044.6	11062.6
17.5°	10429.9	10396.6	10401.7	10383.8	10404.3	10376.1	10432.5	10488.8	10506.7	10545.2	10570.8
20°	9792.1	9792.1	9794.7	9779.3	9797.2	9769.1	9804.9	9892.0	9909.9	9961.2	10004.7
22.5°	9169.7	9169.7	9177.4	9156.9	9162.0	9149.2	9187.6	9272.2	9300.3	9354.1	9407.9
25°	8572.9	8562.7	8567.8	8549.9	8529.4	8534.5	8580.6	8634.4	8695.9	8765.0	8806.0
27.5°	8004.3	8017.1	7986.4	7973.5	7958.2	7930.0	7983.8	8050.4	8093.9	8150.3	8170.8
30°	7397.2	7422.9	7399.8	7389.6	7351.1	7315.3	7371.6	7438.2	7481.8	7535.6	7558.6
32.5°	6856.8	6849.1	6828.6	6805.6	6767.1	6739.0	6762.0	6838.9	6872.2	6928.5	6936.2
35°	6277.9	6272.8	6260.0	6213.9	6201.1	6167.8	6188.3	6254.9	6280.5	6313.8	6339.4
37.5°	5711.9	5693.9	5688.8	5670.9	5647.8	5640.1	5640.1	5676.0	5701.6	5734.9	5760.5
40°	5150.9	5156.0	5140.7	5125.3	5117.6	5107.4	5109.9	5130.4	5150.9	5166.3	5181.7
42.5°	4643.8	4615.6	4605.3	4590.0	4597.7	4610.5	4582.3	4613.0	4638.6	4638.6	4671.9
45°	4062.3	4075.1	4080.3	4105.9	4105.9	4093.1	4082.8	4098.2	4123.8	4121.2	4154.5
47.5°	3555.2	3539.8	3552.6	3591.0	3624.3	3629.5	3598.7	3606.4	3614.1	3601.3	3632.0
50°	2999.4	3004.5	3001.9	3060.8	3127.4	3104.4	3081.3	3089.0	3086.5	3086.5	3091.6
52.5°	2394.9	2407.7	2392.3	2476.8	2548.6	2530.6	2515.3	2515.3	2528.1	2525.5	2522.9
55°	1844.2	1839.1	1805.8	1846.7	1910.8	1913.3	1890.3	1900.5	1913.3	1926.2	1923.6
57.5°	1372.9	1357.5	1311.4	1314.0	1385.7	1403.6	1383.1	1380.6	1395.9	1401.1	1429.2
60°	924.7	922.1	881.1	878.6	906.7	955.4	932.3	932.3	937.5	945.1	952.8
62.5°	632.7	637.8	622.4	619.9	625.0	666.0	663.4	660.8	658.3	668.5	666.0
65°	496.9	499.5	494.3	494.3	496.9	514.8	532.8	535.3	537.9	540.4	537.9
67.5°	399.6	402.1	397.0	402.1	402.1	404.7	430.3	440.6	443.1	443.1	440.6
70°	307.4	317.6	322.7	322.7	322.7	322.7	340.7	353.5	350.9	335.5	320.2
72.5°	153.7	187.0	258.7	261.3	258.7	256.1	266.4	279.2	276.6	194.7	146.0
75°	102.5	110.1	202.3	212.6	210.0	199.8	210.0	225.4	220.3	125.5	120.4
77.5°	58.9	64.0	135.8	156.2	169.1	146.0	166.5	181.9	174.2	102.5	99.9
80°	46.1	43.5	97.3	120.4	115.3	92.2	135.8	146.0	133.2	76.8	69.2
82.5°	28.2	28.2	64.0	92.2	84.5	53.8	94.8	112.7	99.9	56.4	51.2
85°	15.4	17.9	30.7	46.1	48.7	35.9	51.2	61.5	61.5	35.9	35.9
87.5°	7.7	7.7	10.2	10.2	12.8	15.4	15.4	17.9	12.8	10.2	10.2
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)