

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: P524062

Luminaire Tested: **IFLD-S-SA2B-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524062
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (32) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

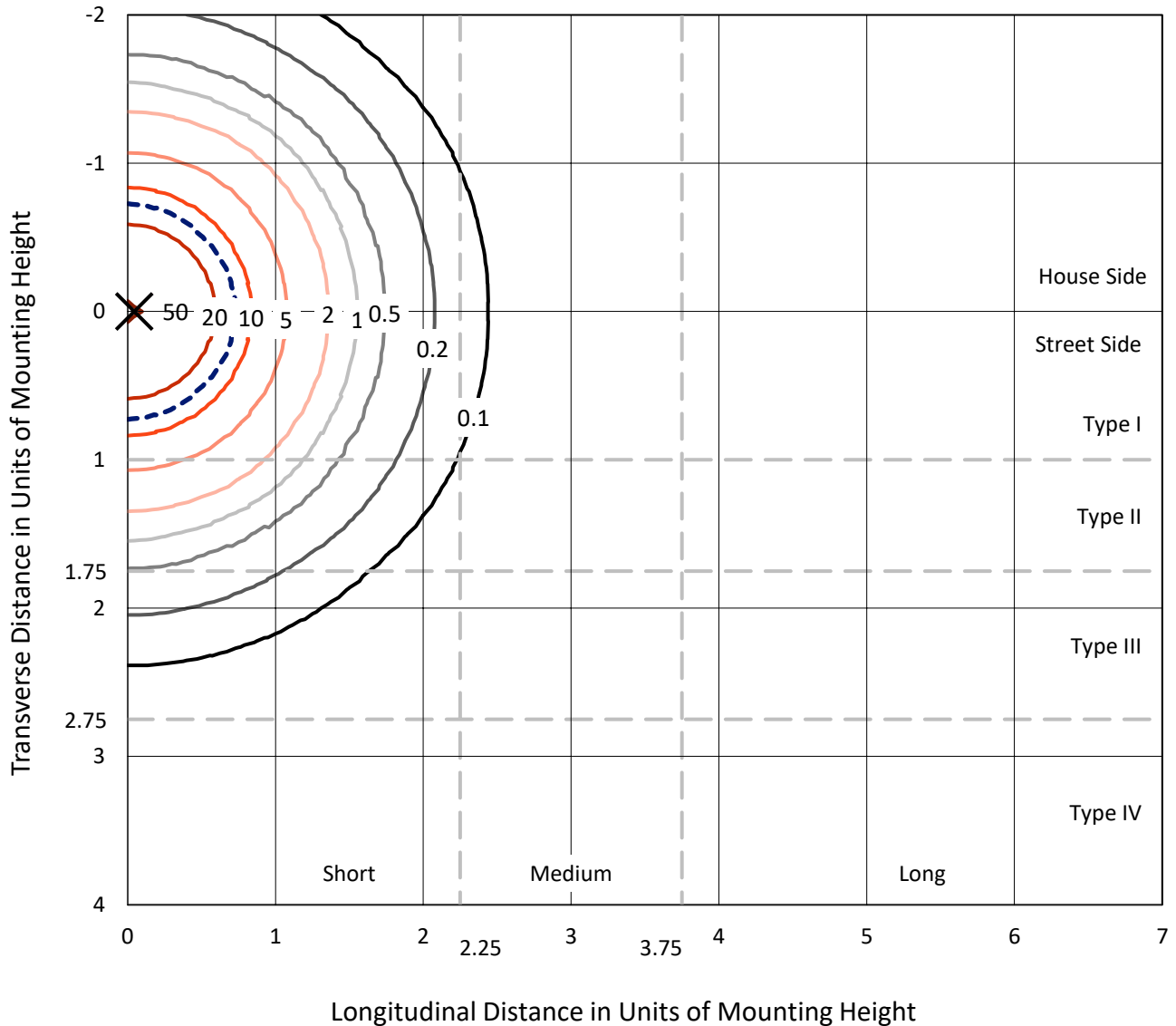
Lumens per Lamp: N/A
Luminaire Lumens: 7499.8 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 82.4
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

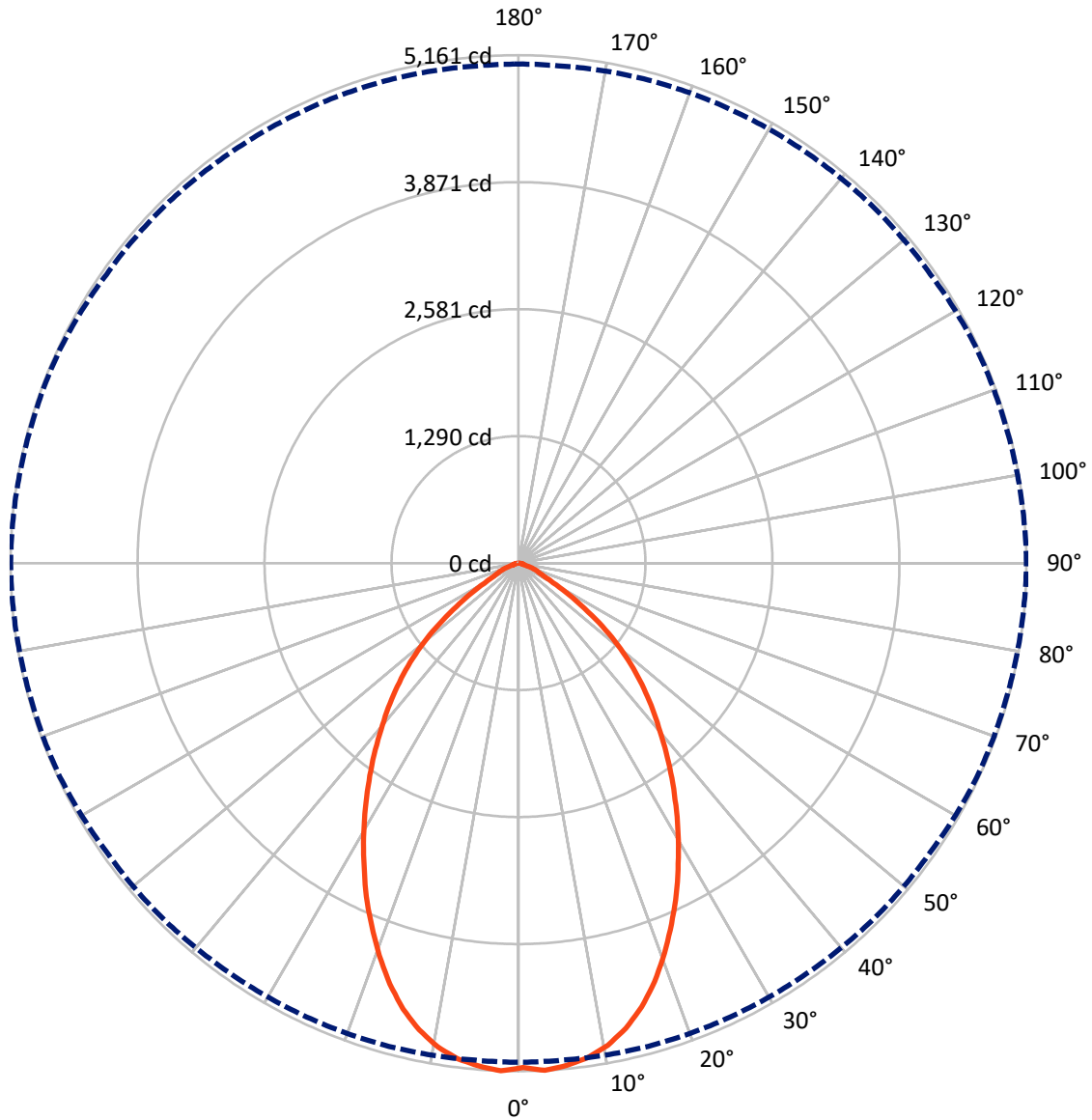
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 51.3 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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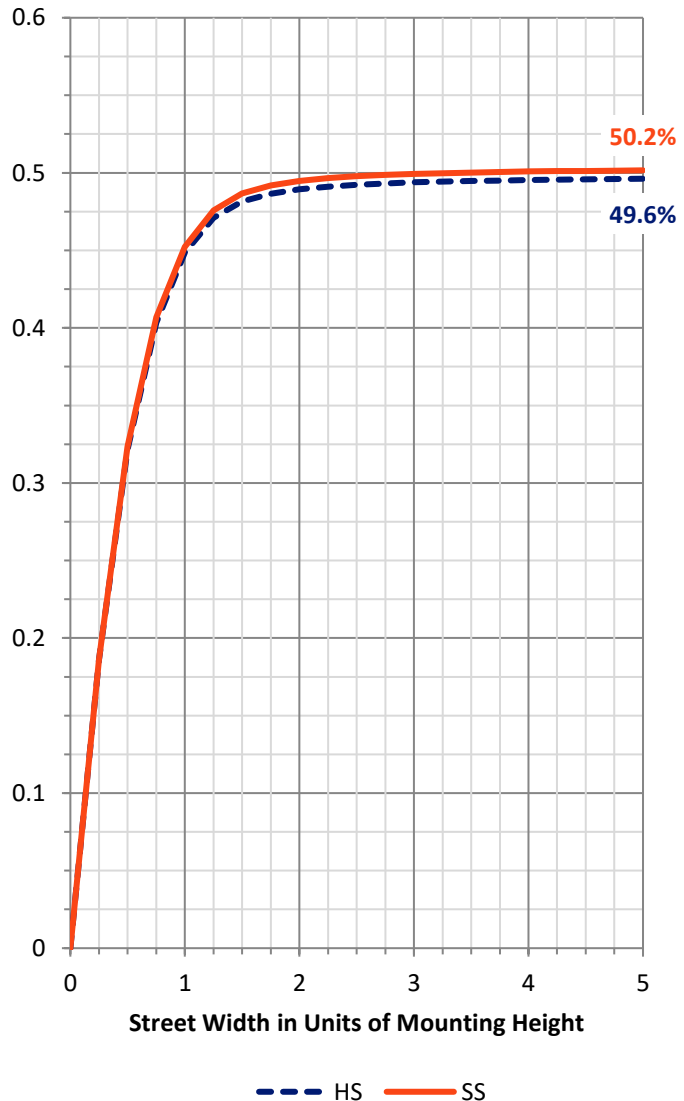
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3749.9	0.0	3749.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3749.9	0.0	3749.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	7499.8	0.0	7499.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.2	6.4
10°-20°	1293.1	17.2
20°-30°	1673.0	22.3
30°-40°	1650.0	22.0
40°-50°	1334.9	17.8
50°-60°	726.8	9.7
60°-70°	230.3	3.1
70°-80°	89.1	1.2
80°-90°	21.3	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°	7499.8	100.0
0°-180°	7499.8	100.0

Coefficient of Utilization



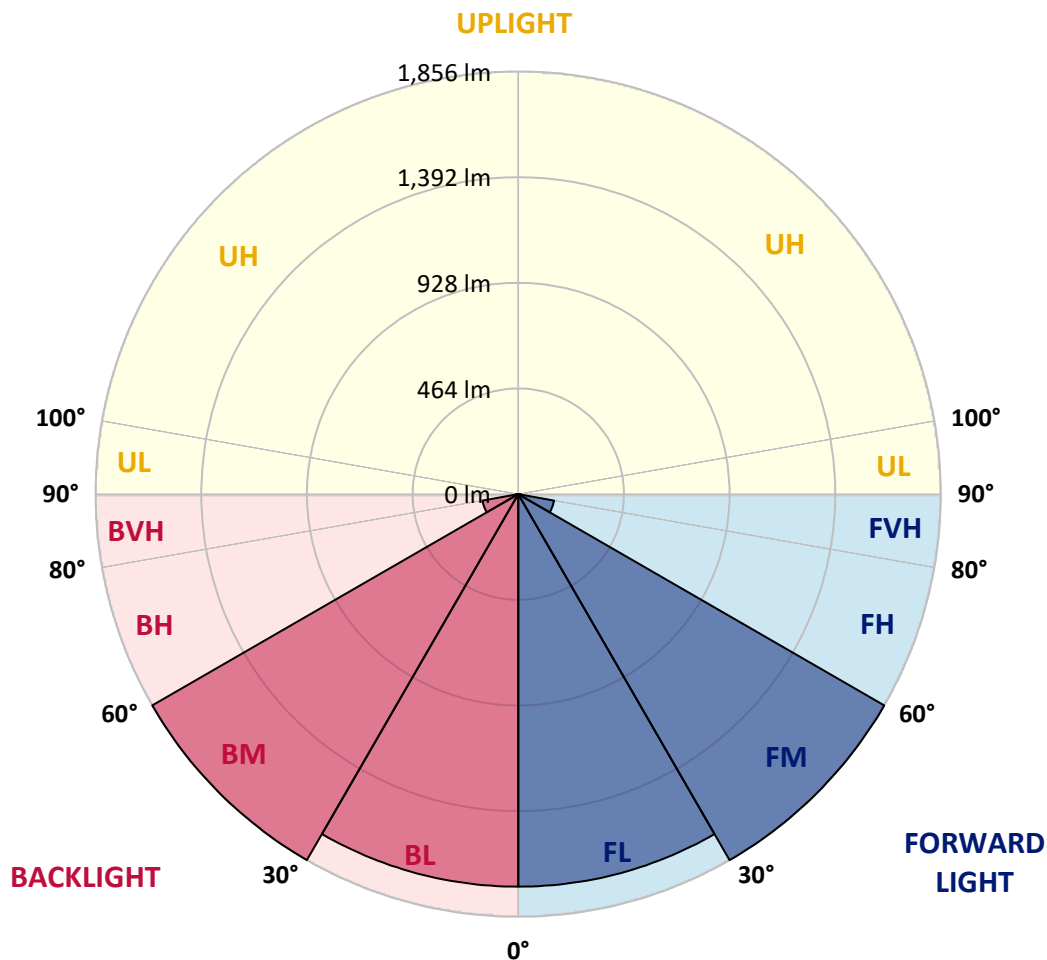
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1723.7	23.0			
FM (30°-60°)	1855.9	24.7			
FH (60°-80°)	159.7	2.1			G0/660
FVH (80°-90°)	10.7	0.1			G1/100
BL (0°-30°)	1723.7	23.0	B3/2500		
BM (30°-60°)	1855.9	24.7	B2/2500		
BH (60°-80°)	159.7	2.1	B1/500		G0/660
BVH (80°-90°)	10.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5126.3	5126.3	5126.3	5126.3	5126.3	5126.3	5126.3	5126.3	5126.3	5126.3	5126.3
2.5°	5071.0	5070.0	5083.0	5088.4	5094.9	5107.9	5112.2	5140.4	5143.6	5154.5	5161.0
5°	5062.4	5058.0	5071.0	5073.2	5080.8	5083.0	5089.5	5109.0	5106.8	5123.1	5126.3
7.5°	5015.8	5010.4	5021.2	5023.4	5034.2	5031.0	5041.8	5055.9	5055.9	5067.8	5073.2
10°	4911.8	4910.7	4921.5	4922.6	4937.8	4934.5	4951.9	4955.1	4963.8	4972.4	4982.2
12.5°	4787.2	4773.1	4787.2	4781.7	4802.3	4790.4	4814.2	4821.8	4826.2	4841.3	4848.9
15°	4626.8	4609.5	4619.2	4613.8	4626.8	4611.6	4636.5	4651.7	4657.1	4672.3	4679.9
17.5°	4412.2	4398.2	4400.3	4392.7	4401.4	4389.5	4413.3	4437.2	4444.8	4461.0	4471.8
20°	4142.4	4142.4	4143.5	4137.0	4144.6	4132.7	4147.9	4184.7	4192.3	4214.0	4232.4
22.5°	3879.1	3879.1	3882.4	3873.7	3875.9	3870.5	3886.7	3922.5	3934.4	3957.1	3979.9
25°	3626.7	3622.3	3624.5	3616.9	3608.2	3610.4	3629.9	3652.7	3678.7	3707.9	3725.3
27.5°	3386.1	3391.5	3378.5	3373.1	3366.6	3354.7	3377.4	3405.6	3424.0	3447.9	3456.5
30°	3129.3	3140.1	3130.4	3126.1	3109.8	3094.6	3118.5	3146.6	3165.1	3187.8	3197.6
32.5°	2900.7	2897.4	2888.8	2879.0	2862.8	2850.8	2860.6	2893.1	2907.2	2931.0	2934.3
35°	2655.8	2653.6	2648.2	2628.7	2623.3	2609.2	2617.9	2646.0	2656.9	2671.0	2681.8
37.5°	2416.3	2408.7	2406.6	2399.0	2389.2	2386.0	2386.0	2401.2	2412.0	2426.1	2436.9
40°	2179.0	2181.2	2174.7	2168.2	2164.9	2160.6	2161.7	2170.4	2179.0	2185.5	2192.0
42.5°	1964.5	1952.6	1948.2	1941.7	1945.0	1950.4	1938.5	1951.5	1962.3	1962.3	1976.4
45°	1718.5	1723.9	1726.1	1736.9	1736.9	1731.5	1727.2	1733.7	1744.5	1743.4	1757.5
47.5°	1504.0	1497.5	1502.9	1519.1	1533.2	1535.4	1522.4	1525.6	1528.9	1523.5	1536.5
50°	1268.8	1271.0	1269.9	1294.9	1323.0	1313.3	1303.5	1306.8	1305.7	1305.7	1307.9
52.5°	1013.1	1018.5	1012.0	1047.8	1078.1	1070.6	1064.1	1064.1	1069.5	1068.4	1067.3
55°	780.2	778.0	763.9	781.2	808.3	809.4	799.7	804.0	809.4	814.8	813.8
57.5°	580.8	574.3	554.8	555.9	586.2	593.8	585.1	584.0	590.5	592.7	604.6
60°	391.2	390.1	372.7	371.7	383.6	404.2	394.4	394.4	396.6	399.8	403.1
62.5°	267.6	269.8	263.3	262.2	264.4	281.7	280.6	279.6	278.5	282.8	281.7
65°	210.2	211.3	209.1	209.1	210.2	217.8	225.4	226.5	227.5	228.6	227.5
67.5°	169.0	170.1	168.0	170.1	170.1	171.2	182.0	186.4	187.5	187.5	186.4
70°	130.0	134.4	136.5	136.5	136.5	136.5	144.1	149.5	148.4	141.9	135.4
72.5°	65.0	79.1	109.4	110.5	109.4	108.4	112.7	118.1	117.0	82.4	61.8
75°	43.3	46.6	85.6	89.9	88.9	84.5	88.9	95.4	93.2	53.1	50.9
77.5°	24.9	27.1	57.4	66.1	71.5	61.8	70.4	76.9	73.7	43.3	42.3
80°	19.5	18.4	41.2	50.9	48.8	39.0	57.4	61.8	56.3	32.5	29.3
82.5°	11.9	11.9	27.1	39.0	35.8	22.8	40.1	47.7	42.3	23.8	21.7
85°	6.5	7.6	13.0	19.5	20.6	15.2	21.7	26.0	26.0	15.2	15.2
87.5°	3.3	3.3	4.3	4.3	5.4	6.5	6.5	7.6	5.4	4.3	4.3
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)