

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: P524067

Luminaire Tested: **IFLD-S-SA3B-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524067
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

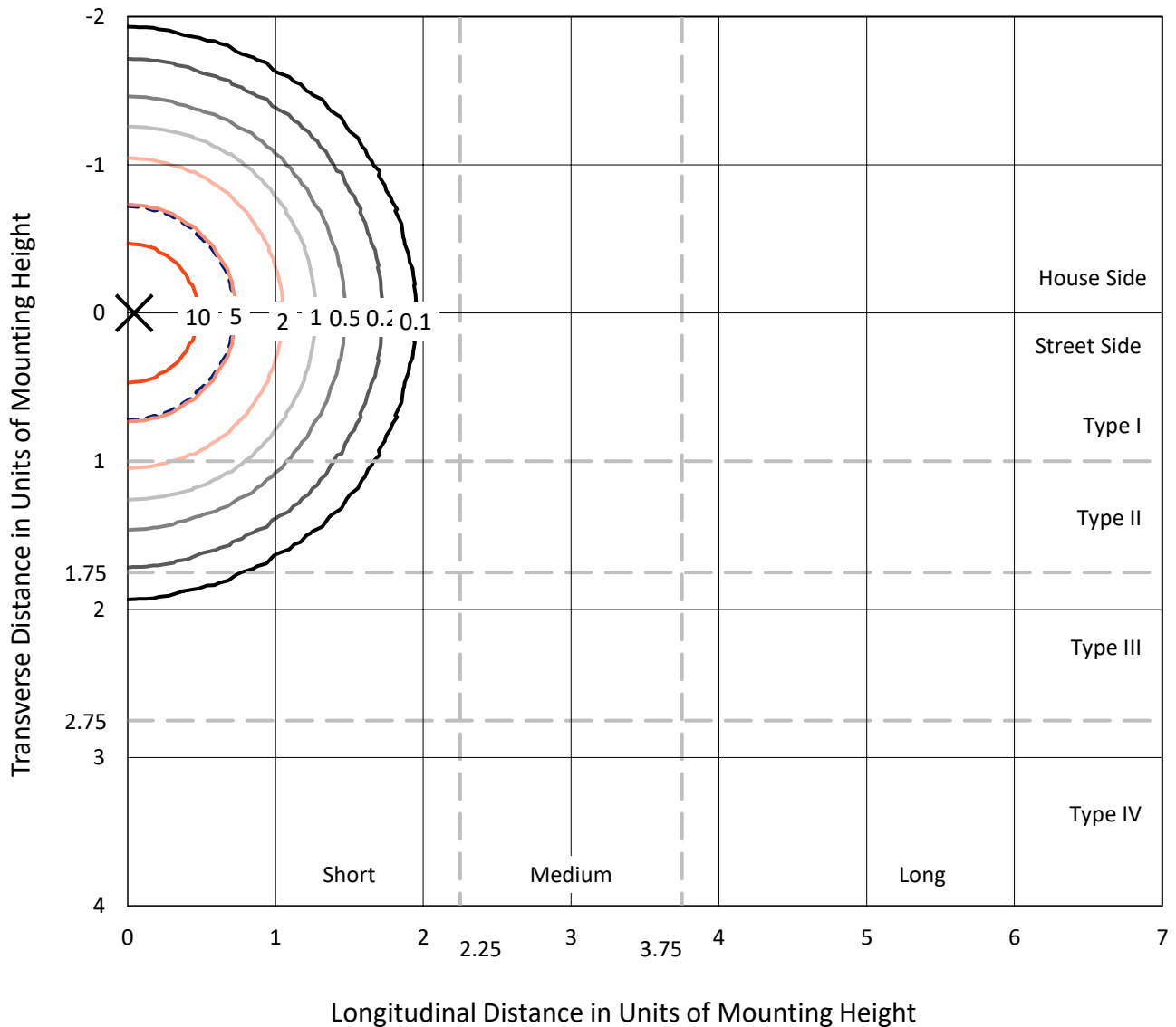
Lumens per Lamp: N/A
Luminaire Lumens: 11176.9 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 122.4
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

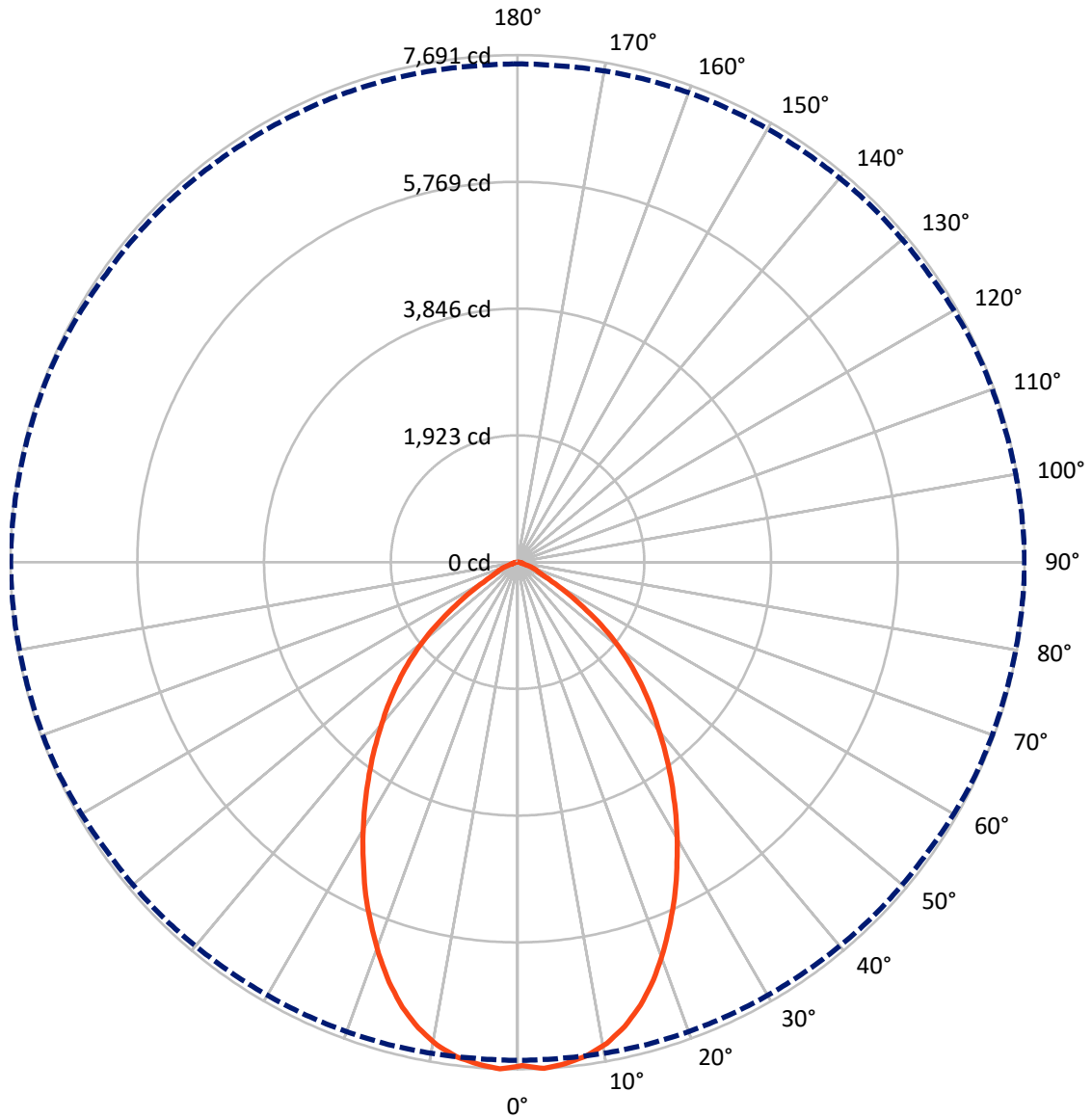
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 19.1 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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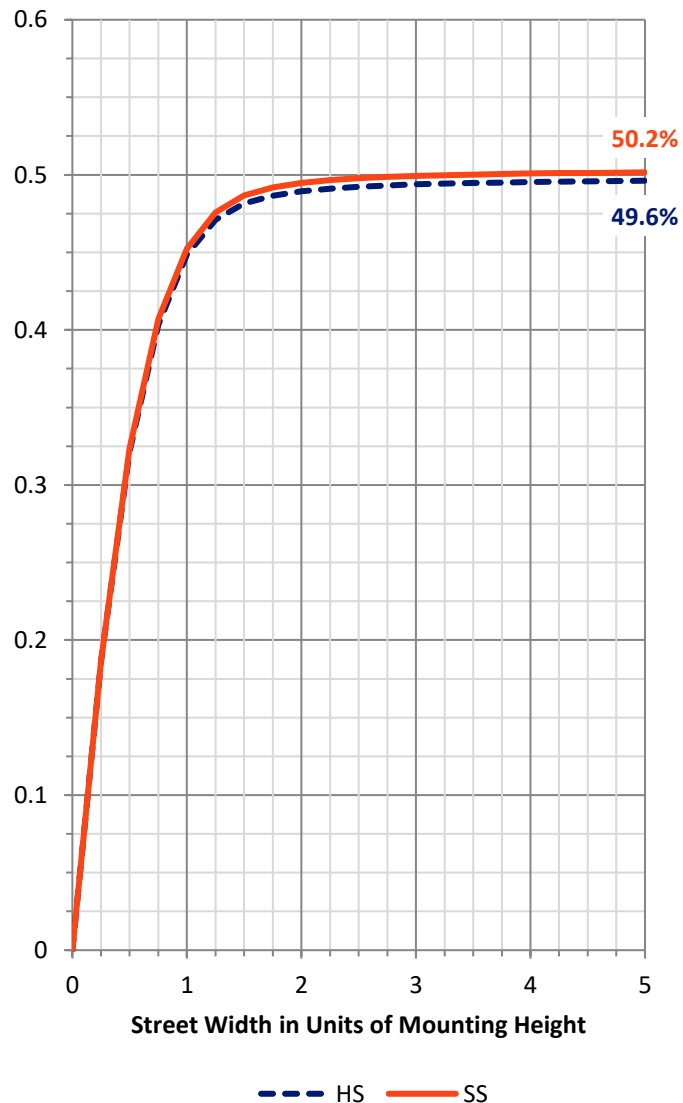
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5588.5	0.0	5588.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5588.5	0.0	5588.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11176.9	0.0	11176.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	717.2	6.4
10°-20°	1927.1	17.2
20°-30°	2493.3	22.3
30°-40°	2459.0	22.0
40°-50°	1989.4	17.8
50°-60°	1083.2	9.7
60°-70°	343.2	3.1
70°-80°	132.8	1.2
80°-90°	31.8	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°	11176.9	100.0
0°-180°	11176.9	100.0

Coefficient of Utilization



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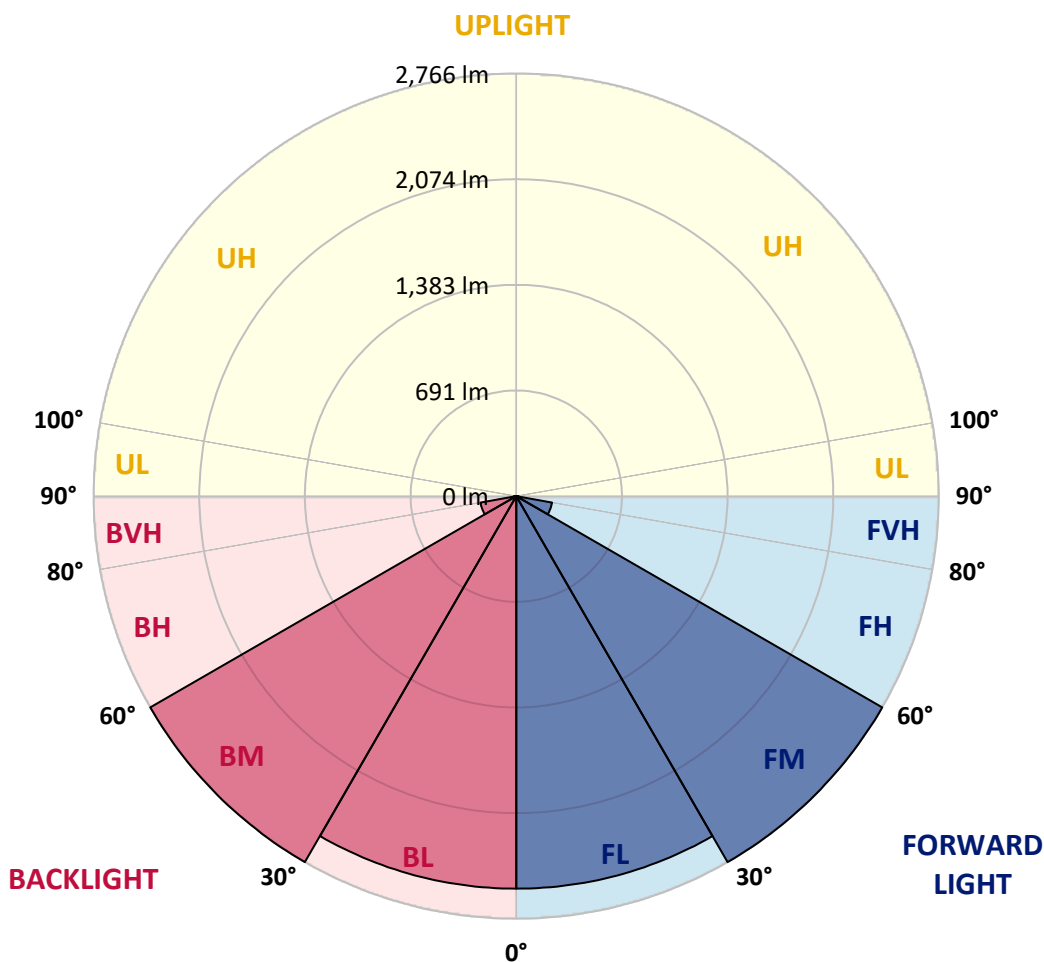
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2568.8	23.0			
FM (30°-60°)	2765.8	24.7			
FH (60°-80°)	238.0	2.1			G0/660
FVH (80°-90°)	15.9	0.1			G1/100
BL (0°-30°)	2568.8	23.0	B4/5000		
BM (30°-60°)	2765.8	24.7	B3/5000		
BH (60°-80°)	238.0	2.1	B1/500		G0/660
BVH (80°-90°)	15.9	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°	7639.7	7639.7	7639.7	7639.7	7639.7	7639.7	7639.7	7639.7	7639.7	7639.7	7639.7
2.5°	7557.4	7555.7	7575.1	7583.2	7592.9	7612.3	7618.7	7660.7	7665.6	7681.7	7691.4
5°	7544.4	7538.0	7557.4	7560.6	7571.9	7575.1	7584.8	7613.9	7610.7	7634.9	7639.7
7.5°	7475.0	7466.9	7483.1	7486.3	7502.5	7497.6	7513.8	7534.8	7534.8	7552.5	7560.6
10°	7320.0	7318.4	7334.5	7336.1	7358.7	7353.9	7379.7	7384.6	7397.5	7410.4	7424.9
12.5°	7134.3	7113.3	7134.3	7126.2	7156.9	7139.1	7174.7	7186.0	7192.4	7215.0	7226.3
15°	6895.3	6869.4	6884.0	6875.9	6895.3	6872.7	6909.8	6932.4	6940.5	6963.1	6974.4
17.5°	6575.6	6554.6	6557.8	6546.5	6559.4	6541.6	6577.2	6612.7	6624.0	6648.2	6664.4
20°	6173.5	6173.5	6175.1	6165.4	6176.7	6158.9	6181.5	6236.4	6247.7	6280.0	6307.5
22.5°	5781.1	5781.1	5785.9	5773.0	5776.2	5768.1	5792.4	5845.7	5863.4	5897.3	5931.2
25°	5404.8	5398.3	5401.6	5390.3	5377.4	5380.6	5409.7	5443.6	5482.3	5525.9	5551.8
27.5°	5046.3	5054.4	5035.0	5026.9	5017.2	4999.5	5033.4	5075.4	5102.8	5138.4	5151.3
30°	4663.6	4679.8	4665.2	4658.8	4634.5	4611.9	4647.5	4689.4	4716.9	4750.8	4765.3
32.5°	4322.9	4318.0	4305.1	4290.6	4266.4	4248.6	4263.1	4311.6	4332.6	4368.1	4372.9
35°	3957.9	3954.7	3946.6	3917.6	3909.5	3888.5	3901.4	3943.4	3959.5	3980.5	3996.7
37.5°	3601.1	3589.7	3586.5	3575.2	3560.7	3555.8	3555.8	3578.4	3594.6	3615.6	3631.7
40°	3247.4	3250.6	3240.9	3231.3	3226.4	3220.0	3221.6	3234.5	3247.4	3257.1	3266.8
42.5°	2927.7	2909.9	2903.4	2893.8	2898.6	2906.7	2888.9	2908.3	2924.4	2924.4	2945.4
45°	2561.1	2569.2	2572.4	2588.6	2588.6	2580.5	2574.0	2583.7	2599.9	2598.2	2619.2
47.5°	2241.4	2231.7	2239.8	2264.0	2285.0	2288.2	2268.8	2273.7	2278.5	2270.4	2289.8
50°	1891.0	1894.2	1892.6	1929.7	1971.7	1957.2	1942.6	1947.5	1945.9	1945.9	1949.1
52.5°	1509.9	1517.9	1508.2	1561.5	1606.7	1595.4	1585.8	1585.8	1593.8	1592.2	1590.6
55°	1162.7	1159.4	1138.4	1164.3	1204.7	1206.3	1191.7	1198.2	1206.3	1214.3	1212.7
57.5°	865.5	855.9	826.8	828.4	873.6	884.9	872.0	870.4	880.1	883.3	901.1
60°	583.0	581.3	555.5	553.9	571.6	602.3	587.8	587.8	591.0	595.9	600.7
62.5°	398.9	402.1	392.4	390.8	394.0	419.9	418.2	416.6	415.0	421.5	419.9
65°	313.3	314.9	311.7	311.7	313.3	324.6	335.9	337.5	339.1	340.7	339.1
67.5°	251.9	253.5	250.3	253.5	253.5	255.1	271.3	277.7	279.4	279.4	277.7
70°	193.8	200.2	203.5	203.5	203.5	203.5	214.8	222.8	221.2	211.5	201.9
72.5°	96.9	117.9	163.1	164.7	163.1	161.5	167.9	176.0	174.4	122.7	92.0
75°	64.6	69.4	127.6	134.0	132.4	126.0	132.4	142.1	138.9	79.1	75.9
77.5°	37.1	40.4	85.6	98.5	106.6	92.0	105.0	114.7	109.8	64.6	63.0
80°	29.1	27.5	61.4	75.9	72.7	58.1	85.6	92.0	84.0	48.4	43.6
82.5°	17.8	17.8	40.4	58.1	53.3	33.9	59.7	71.1	63.0	35.5	32.3
85°	9.7	11.3	19.4	29.1	30.7	22.6	32.3	38.8	38.8	22.6	22.6
87.5°	4.8	4.8	6.5	6.5	8.1	9.7	9.7	11.3	8.1	6.5	6.5
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)