

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: P524106

Luminaire Tested: **IFLD-S-SA3B-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524106
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

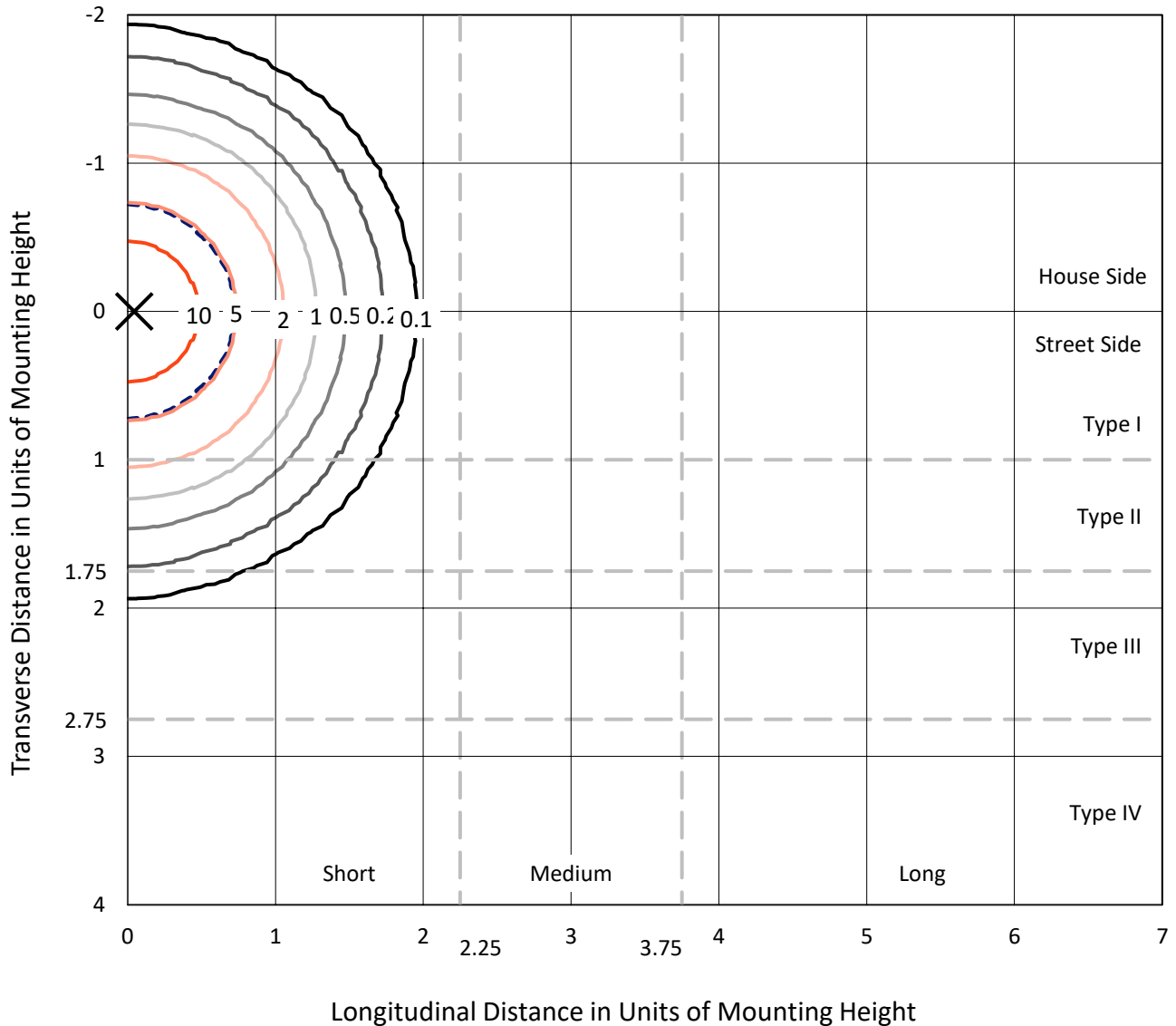
Lumens per Lamp: N/A
Luminaire Lumens: 11299.4 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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

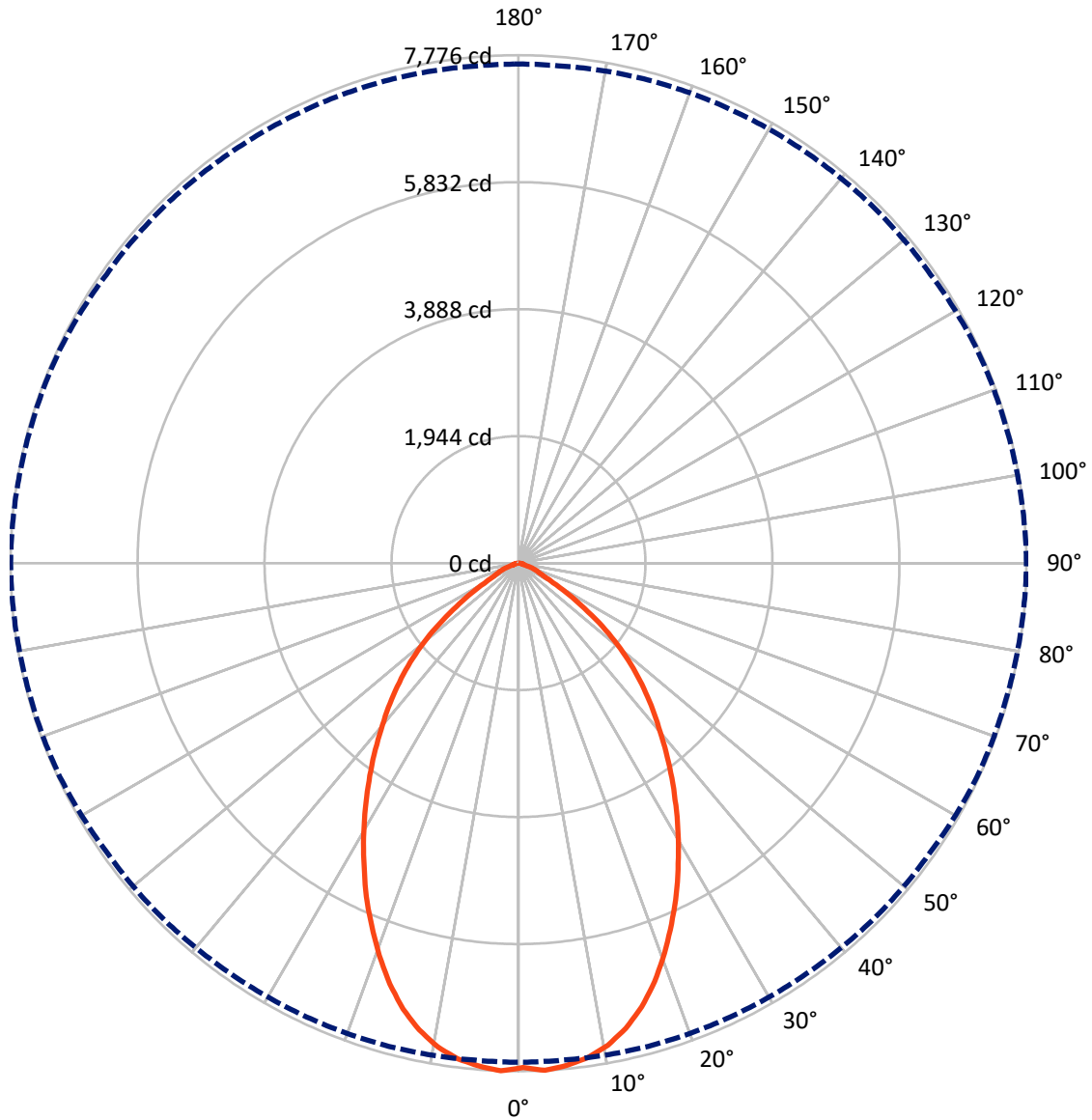
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 19.3 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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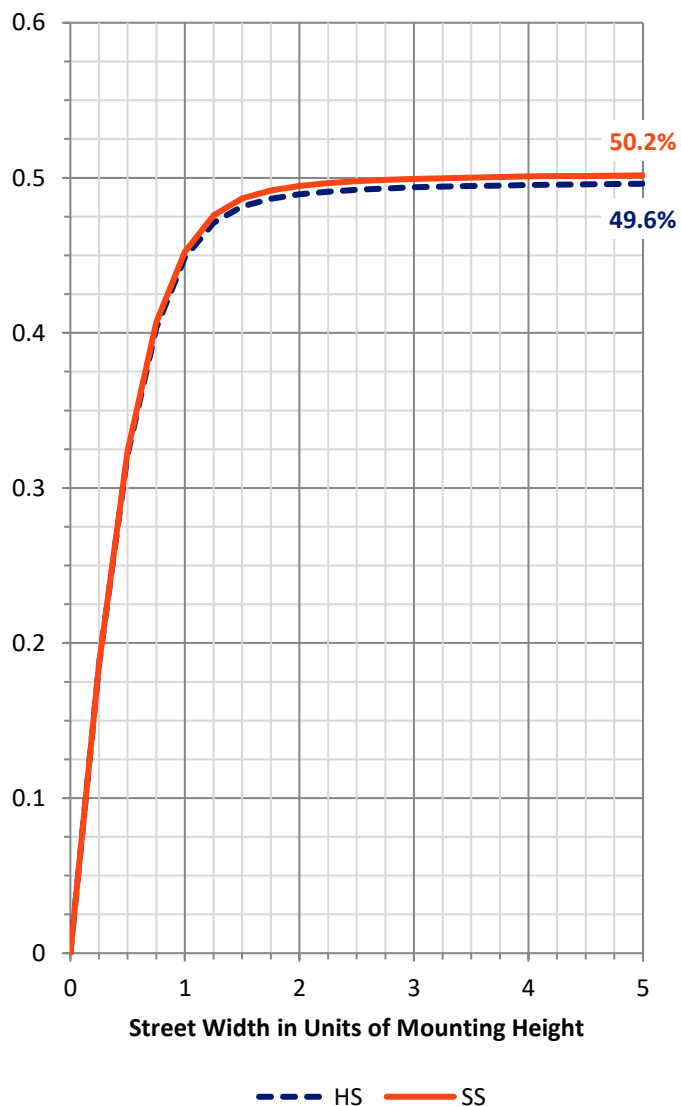
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5649.7	0.0	5649.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5649.7	0.0	5649.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	11299.4	0.0	11299.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.0	6.4
10°-20°	1948.2	17.2
20°-30°	2520.6	22.3
30°-40°	2485.9	22.0
40°-50°	2011.2	17.8
50°-60°	1095.1	9.7
60°-70°	347.0	3.1
70°-80°	134.2	1.2
80°-90°	32.1	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°	11299.4	100.0
0°-180°	11299.4	100.0

Coefficient of Utilization



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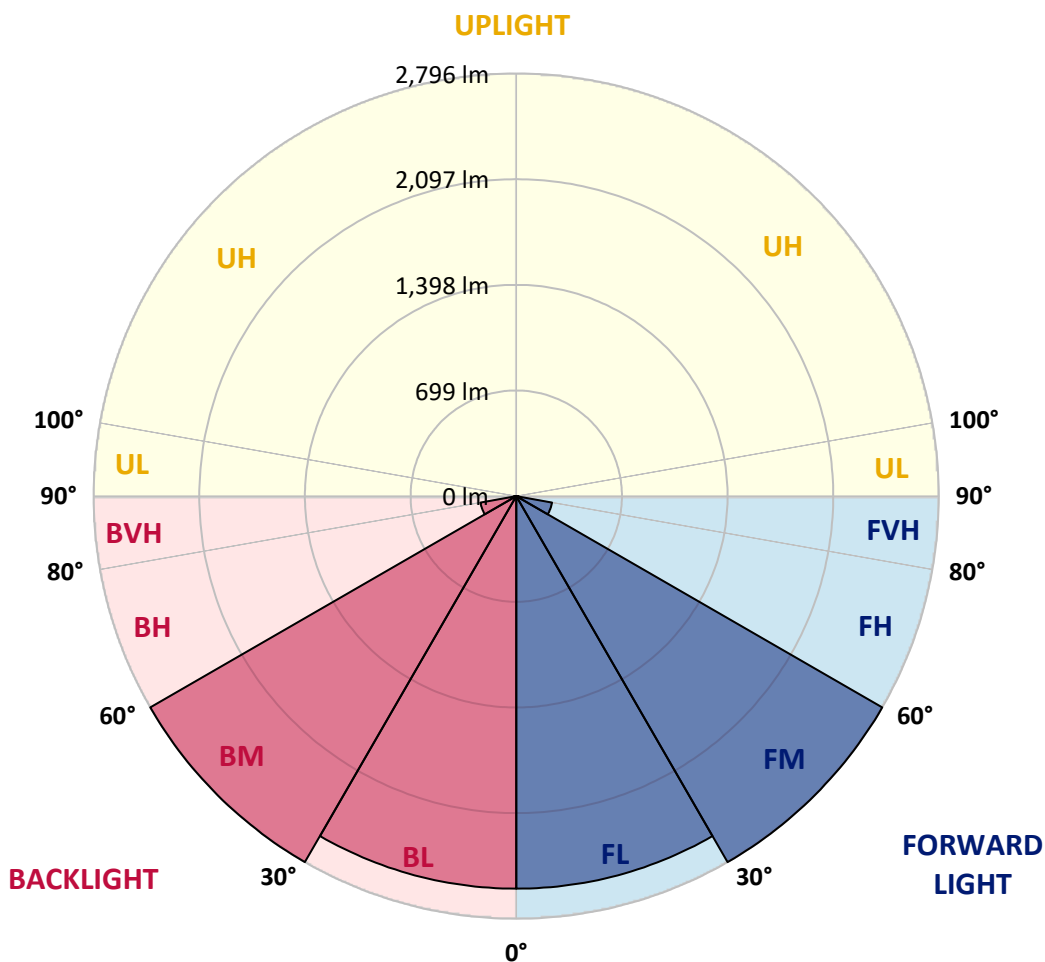
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2596.9	23.0			
FM (30°-60°)	2796.1	24.7			
FH (60°-80°)	240.6	2.1			G0/660
FVH (80°-90°)	16.0	0.1			G1/100
BL (0°-30°)	2596.9	23.0	B4/5000		
BM (30°-60°)	2796.1	24.7	B3/5000		
BH (60°-80°)	240.6	2.1	B1/500		G0/660
BVH (80°-90°)	16.0	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°	7723.4	7723.4	7723.4	7723.4	7723.4	7723.4	7723.4	7723.4	7723.4	7723.4	7723.4
2.5°	7640.2	7638.5	7658.1	7666.3	7676.1	7695.7	7702.2	7744.7	7749.6	7765.9	7775.7
5°	7627.1	7620.6	7640.2	7643.4	7654.9	7658.1	7667.9	7697.3	7694.0	7718.5	7723.4
7.5°	7556.9	7548.8	7565.1	7568.3	7584.7	7579.8	7596.1	7617.3	7617.3	7635.3	7643.4
10°	7400.2	7398.6	7414.9	7416.5	7439.4	7434.5	7460.6	7465.5	7478.6	7491.6	7506.3
12.5°	7212.5	7191.2	7212.5	7204.3	7235.3	7217.4	7253.3	7264.7	7271.2	7294.1	7305.5
15°	6970.8	6944.7	6959.4	6951.3	6970.8	6948.0	6985.5	7008.4	7016.6	7039.4	7050.8
17.5°	6647.6	6626.4	6629.6	6618.2	6631.3	6613.3	6649.2	6685.2	6696.6	6721.1	6737.4
20°	6241.1	6241.1	6242.7	6232.9	6244.4	6226.4	6249.3	6304.8	6316.2	6348.9	6376.6
22.5°	5844.4	5844.4	5849.3	5836.2	5839.5	5831.3	5855.8	5909.7	5927.7	5961.9	5996.2
25°	5464.0	5457.5	5460.8	5449.3	5436.3	5439.5	5468.9	5503.2	5542.4	5586.5	5612.6
27.5°	5101.6	5109.8	5090.2	5082.0	5072.2	5054.3	5088.6	5131.0	5158.8	5194.7	5207.7
30°	4714.7	4731.0	4716.3	4709.8	4685.3	4662.5	4698.4	4740.8	4768.6	4802.9	4817.6
32.5°	4370.2	4365.3	4352.3	4337.6	4313.1	4295.1	4309.8	4358.8	4380.0	4416.0	4420.9
35°	4001.3	3998.0	3989.9	3960.5	3952.3	3931.1	3944.2	3986.6	4002.9	4024.2	4040.5
37.5°	3640.5	3629.1	3625.8	3614.4	3599.7	3594.8	3594.8	3617.7	3634.0	3655.2	3671.5
40°	3283.0	3286.3	3276.5	3266.7	3261.8	3255.2	3256.9	3269.9	3283.0	3292.8	3302.6
42.5°	2959.8	2941.8	2935.3	2925.5	2930.4	2938.5	2920.6	2940.2	2956.5	2956.5	2977.7
45°	2589.2	2597.3	2600.6	2616.9	2616.9	2608.8	2602.2	2612.0	2628.4	2626.7	2647.9
47.5°	2265.9	2256.1	2264.3	2288.8	2310.0	2313.3	2293.7	2298.6	2303.5	2295.3	2314.9
50°	1911.7	1914.9	1913.3	1950.9	1993.3	1978.6	1963.9	1968.8	1967.2	1967.2	1970.4
52.5°	1526.4	1534.6	1524.8	1578.6	1624.4	1612.9	1603.1	1603.1	1611.3	1609.7	1608.0
55°	1175.4	1172.1	1150.9	1177.0	1217.9	1219.5	1204.8	1211.3	1219.5	1227.7	1226.0
57.5°	875.0	865.2	835.8	837.5	883.2	894.6	881.6	879.9	889.7	893.0	910.9
60°	589.3	587.7	561.6	560.0	577.9	608.9	594.2	594.2	597.5	602.4	607.3
62.5°	403.2	406.5	396.7	395.1	398.3	424.5	422.8	421.2	419.6	426.1	424.5
65°	316.7	318.3	315.1	315.1	316.7	328.1	339.6	341.2	342.8	344.5	342.8
67.5°	254.7	256.3	253.0	256.3	256.3	257.9	274.3	280.8	282.4	282.4	280.8
70°	195.9	202.4	205.7	205.7	205.7	205.7	217.1	225.3	223.7	213.9	204.1
72.5°	98.0	119.2	164.9	166.5	164.9	163.3	169.8	177.9	176.3	124.1	93.1
75°	65.3	70.2	129.0	135.5	133.9	127.3	133.9	143.7	140.4	80.0	76.7
77.5°	37.5	40.8	86.5	99.6	107.7	93.1	106.1	115.9	111.0	65.3	63.7
80°	29.4	27.8	62.0	76.7	73.5	58.8	86.5	93.1	84.9	49.0	44.1
82.5°	18.0	18.0	40.8	58.8	53.9	34.3	60.4	71.8	63.7	35.9	32.7
85°	9.8	11.4	19.6	29.4	31.0	22.9	32.7	39.2	39.2	22.9	22.9
87.5°	4.9	4.9	6.5	6.5	8.2	9.8	9.8	11.4	8.2	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)