

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: P635854

Luminaire Tested: **IFLD-M-SA4B-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635854
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

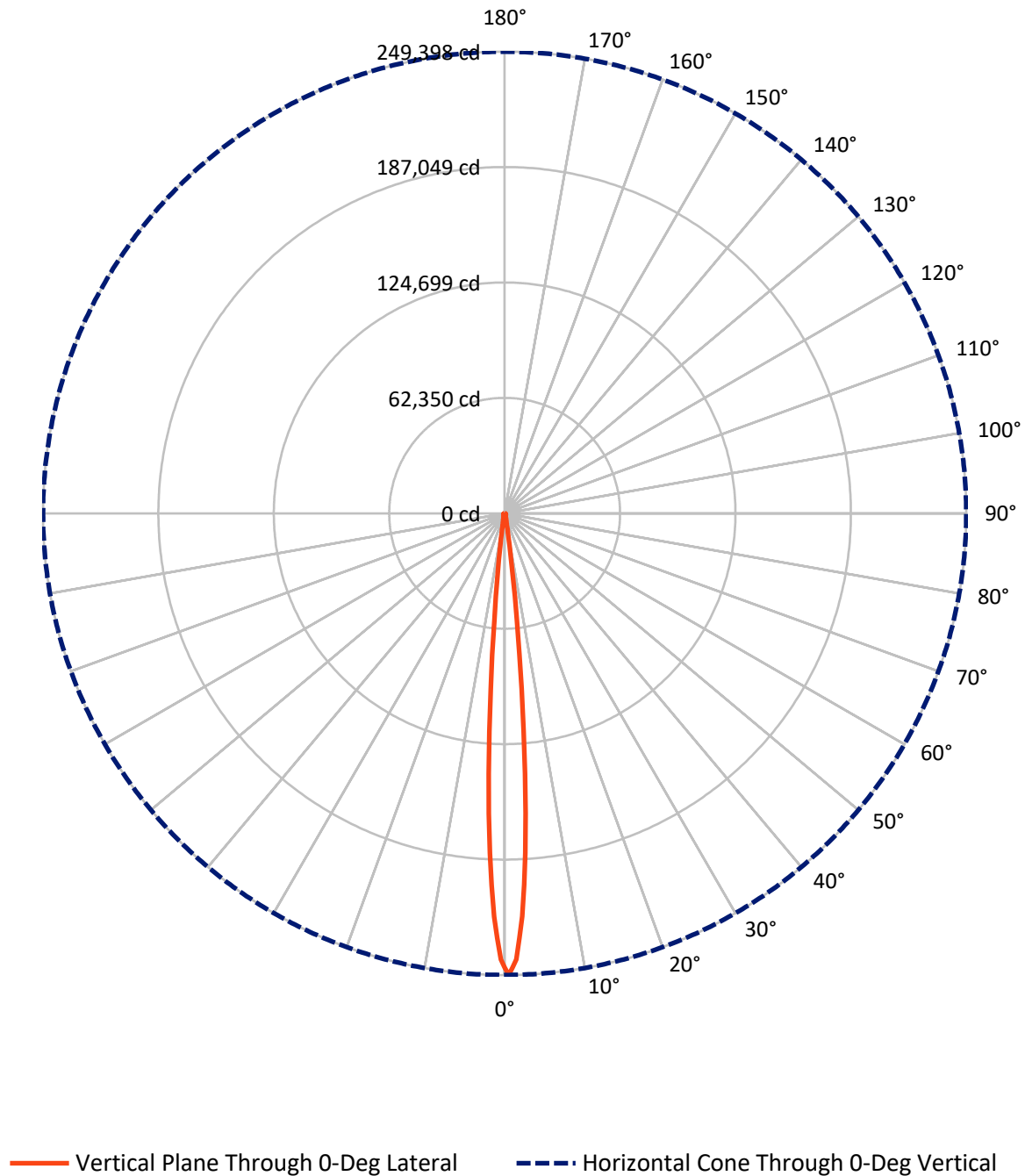
Lumens per Lamp: N/A
Luminaire Lumens: 10618 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 166.1
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: 25 FT



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Luminous Intensity Polar Plot



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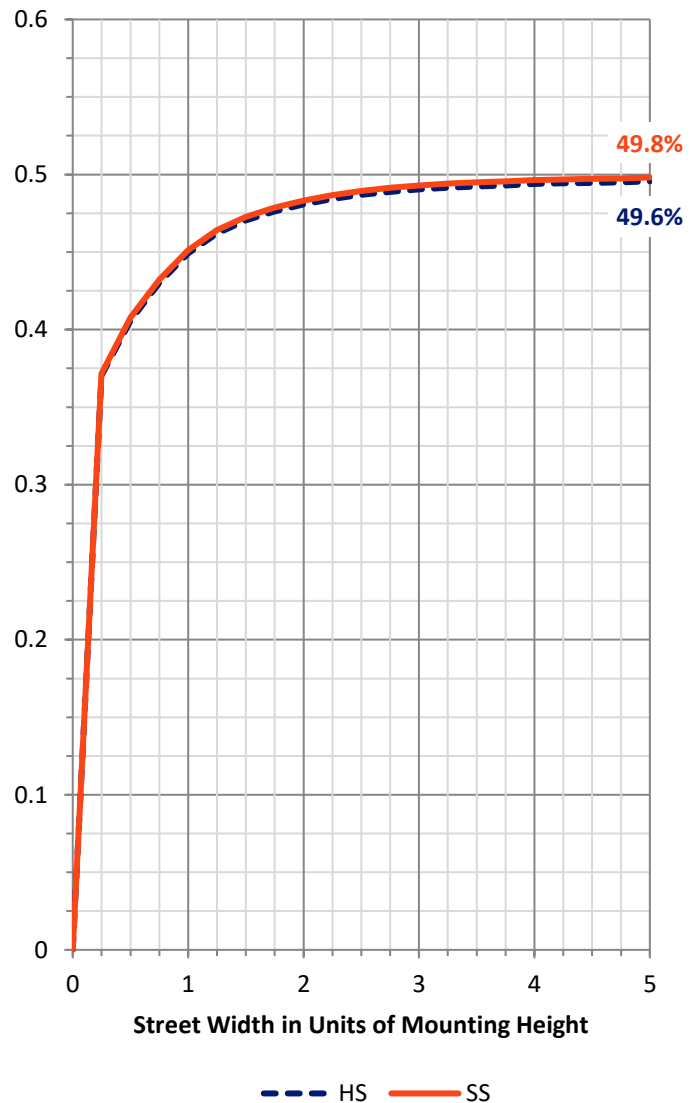
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5309.0	0.0	5309.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5309.0	0.0	5309.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10618.0	0.0	10618.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6701.9	63.1
10°-20°	828.3	7.8
20°-30°	496.3	4.7
30°-40°	533.6	5.0
40°-50°	717.5	6.8
50°-60°	639.6	6.0
60°-70°	422.4	4.0
70°-80°	209.5	2.0
80°-90°	69.2	0.7
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°	10618.0	100.0
0°-180°	10618.0	100.0

Coefficient of Utilization



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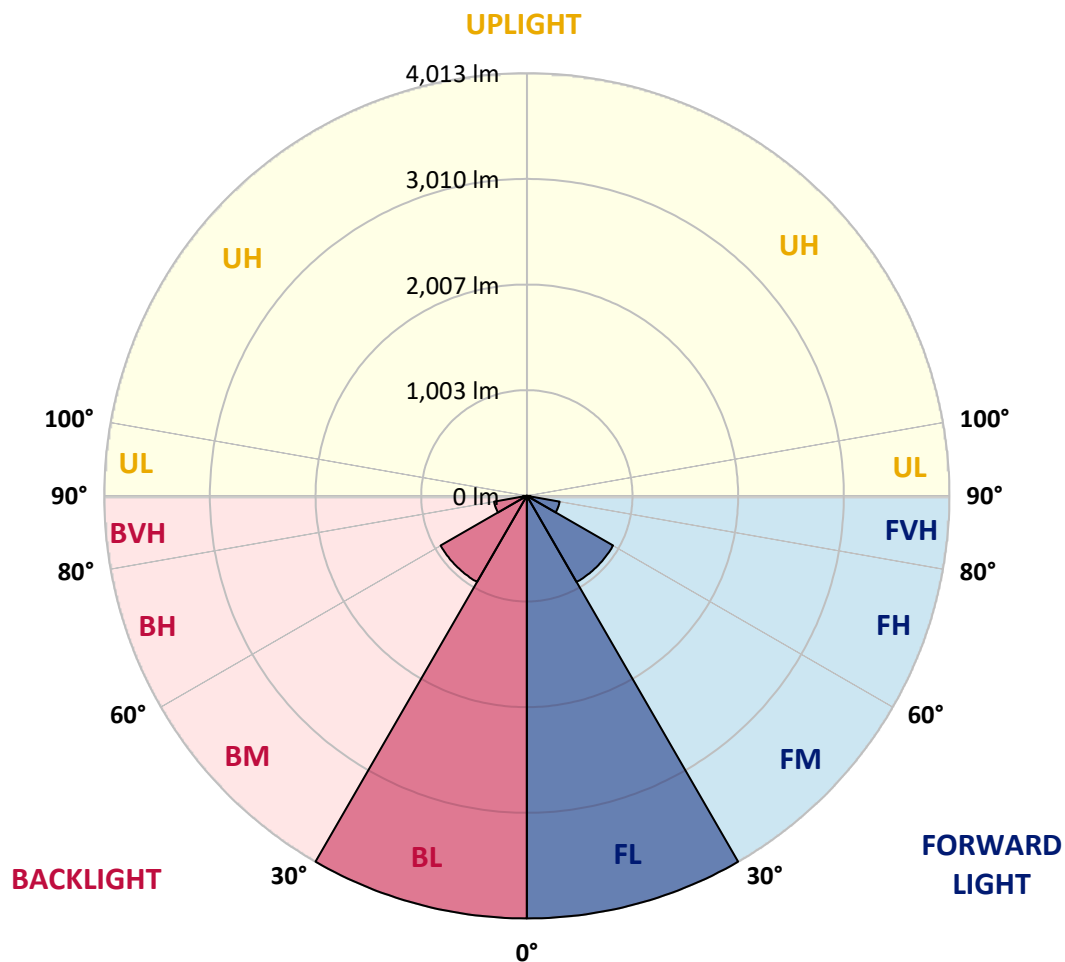
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4013.2	37.8			
FM	(30°-60°)	945.3	8.9			
FH	(60°-80°)	316.0	3.0			G0/660
FVH	(80°-90°)	34.6	0.3			G1/100
BL	(0°-30°)	4013.2	37.8	B4/5000		
BM	(30°-60°)	945.3	8.9	B1/1000		
BH	(60°-80°)	316.0	3.0	B1/500		G0/660
BVH	(80°-90°)	34.6	0.3			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°
0°	249398.2	249398.2	249398.2	249398.2	249398.2	249398.2	249398.2	249398.2	249398.2	249398.2
1°	241038.7	238564.7	239837.2	241053.4	242759.1	243510.3	244276.3	244848.9	244839.1	245783.7
2°	218018.4	214032.0	215879.6	218145.7	222528.5	223786.4	225888.5	228489.8	228648.8	231003.0
3°	183763.3	178166.7	180887.9	184923.3	192188.8	194068.3	197438.0	199816.6	198754.5	201510.0
4°	141014.2	133711.9	137869.6	143843.1	150915.3	158090.3	158232.3	159937.9	156436.1	156267.2
5°	95137.6	88699.2	94033.9	101505.1	107615.6	112629.8	115718.1	115931.0	112145.2	111800.2
6°	58024.2	53763.7	58406.0	66312.7	74777.4	76862.3	77334.6	76262.8	71297.5	68549.4
7°	32069.8	30332.3	34869.3	39587.4	46187.4	49239.0	47127.1	43701.1	42181.4	38909.6
8°	17685.5	16829.0	18123.5	22200.5	27322.4	29326.6	27288.1	23729.9	21167.8	20262.3
9°	10662.2	10187.5	10716.0	12267.5	14479.7	15869.7	14702.4	12950.3	11868.6	11567.6
10°	7082.0	6896.0	7121.2	7644.9	8440.2	8846.4	8555.2	7860.2	7532.3	7512.7
12.5°	3717.2	3683.0	3739.2	3798.0	3935.0	3957.0	3905.6	3856.7	3780.8	3810.2
15°	2393.3	2361.5	2420.2	2496.1	2530.3	2552.4	2554.8	2527.9	2476.5	2452.0
17.5°	1744.8	1752.2	1757.0	1801.1	1867.2	1918.6	1896.5	1867.2	1808.4	1779.1
20°	1436.5	1438.9	1448.7	1473.2	1495.2	1566.2	1544.1	1500.1	1443.8	1421.8
22.5°	1228.5	1233.4	1238.3	1252.9	1257.8	1277.4	1279.9	1240.7	1208.9	1196.7
25°	1081.6	1081.6	1089.0	1101.2	1106.1	1091.4	1093.9	1076.7	1047.4	1032.7
27.5°	917.7	922.6	929.9	934.8	925.0	907.9	885.9	900.5	885.9	851.6
30°	817.3	822.2	844.3	829.6	807.6	785.5	773.3	792.9	795.3	766.0
32.5°	810.0	812.5	819.8	812.5	785.5	758.6	741.5	763.5	768.4	756.2
35°	846.7	839.4	849.2	854.1	827.1	797.8	775.7	795.3	810.0	814.9
37.5°	1025.4	983.8	951.9	942.2	925.0	905.4	876.1	881.0	907.9	932.4
40°	976.4	966.6	954.4	922.6	890.8	915.2	881.0	871.2	932.4	937.3
42.5°	969.1	976.4	966.6	927.5	895.7	920.1	912.8	883.4	944.6	937.3
45°	974.0	981.3	1003.3	937.3	910.3	922.6	937.3	905.4	966.6	942.2
47.5°	934.8	944.6	969.1	932.4	915.2	912.8	934.8	905.4	937.3	934.8
50°	883.4	893.2	900.5	868.7	900.5	883.4	885.9	873.6	873.6	878.5
52.5°	817.3	827.1	834.5	797.8	817.3	824.7	795.3	792.9	770.9	778.2
55°	736.6	751.3	758.6	743.9	734.1	748.8	707.2	702.3	658.3	660.7
57.5°	643.6	658.3	665.6	682.8	675.4	646.0	621.6	602.0	553.1	533.5
60°	663.2	677.9	663.2	614.2	614.2	548.2	526.1	484.5	435.6	411.1
62.5°	641.2	660.7	658.3	606.9	545.7	462.5	423.4	379.3	330.4	298.6
65°	604.4	624.0	614.2	580.0	521.2	396.4	337.7	293.7	232.5	225.1
67.5°	543.3	572.6	553.1	531.0	484.5	359.7	269.2	220.2	168.9	168.9
70°	450.3	472.3	484.5	460.1	433.1	337.7	230.0	168.9	122.4	93.0
72.5°	362.2	381.8	401.3	389.1	364.6	305.9	205.6	134.6	88.1	53.8
75°	200.7	208.0	215.3	244.7	279.0	249.6	188.4	117.5	73.4	41.6
77.5°	154.2	161.5	178.6	164.0	151.7	193.3	205.6	137.0	63.6	29.4
80°	119.9	129.7	183.5	151.7	129.7	146.8	176.2	119.9	41.6	14.7
82.5°	90.5	97.9	129.7	144.4	137.0	110.1	95.4	80.8	36.7	9.8
85°	66.1	75.9	90.5	80.8	78.3	78.3	105.2	71.0	26.9	7.3
87.5°	39.2	39.2	41.6	39.2	36.7	36.7	41.6	34.3	17.1	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
249398.2
243884.7
228922.9
198563.7
155523.3
110402.9
68789.2
37372.8
19440.1
11159.0
7280.3
3700.1
2412.9
1747.3
1397.3
1182.0
1020.5
854.1
756.2
748.8
814.9
954.4
944.6
932.4
934.8
929.9
861.4
766.0
643.6
521.2
391.5
293.7
225.1
149.3
83.2
51.4
36.7
14.7
9.8
7.3
4.9
4.9
0.0

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