

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: P636444

Luminaire Tested: **IFLD-L-SA8B-927-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636444
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-927-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

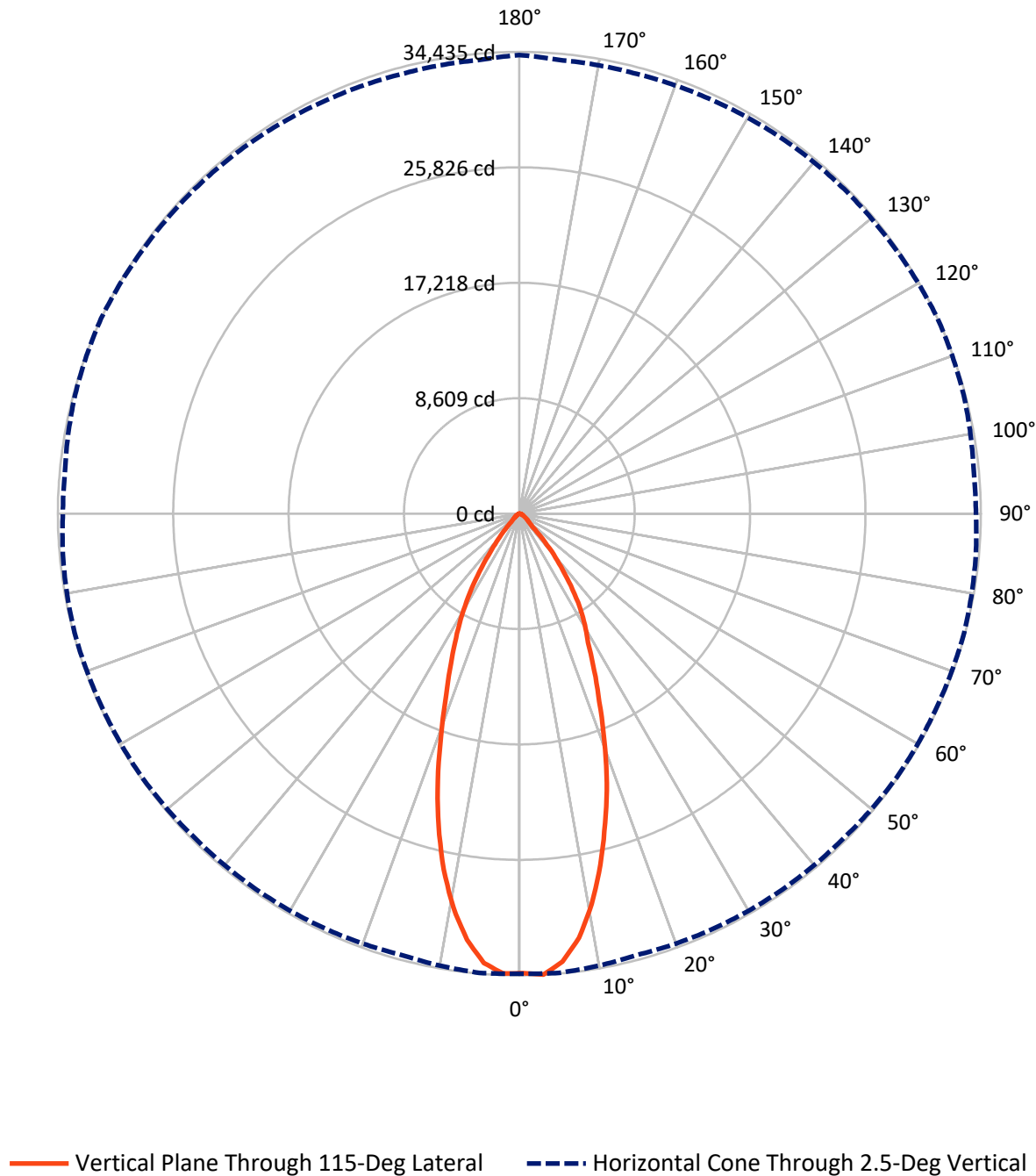
Lumens per Lamp: N/A
Luminaire Lumens: 21321.2 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 320
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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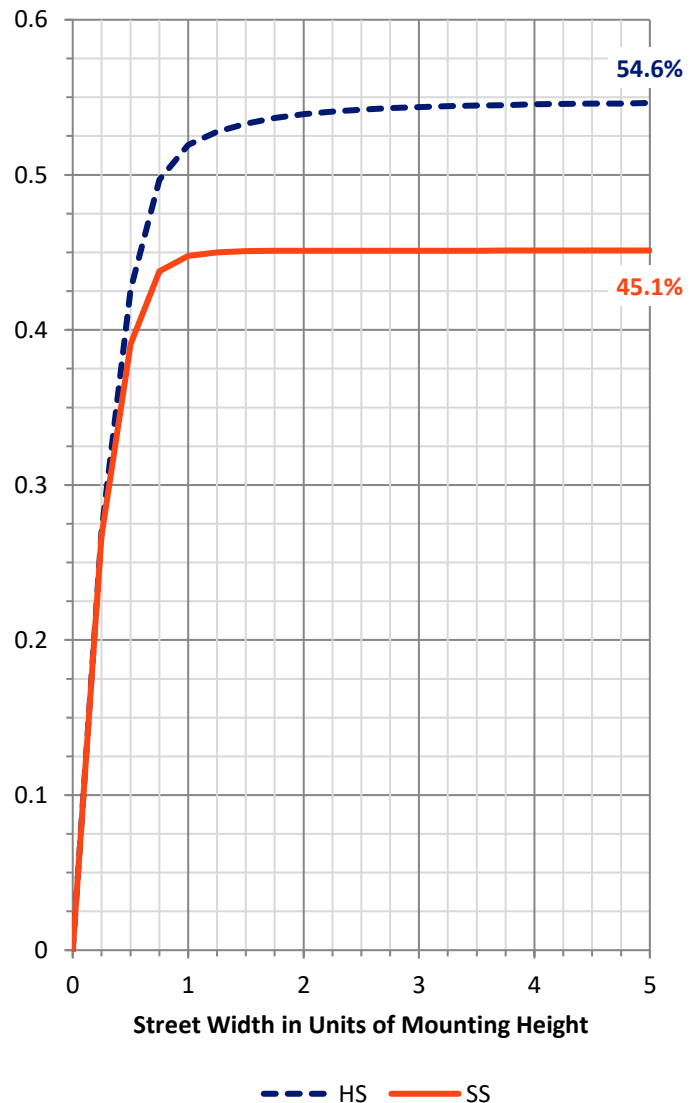
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11766.8	0.0	11766.8
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	9554.4	0.0	9554.4
	% Fixture	44.8	0.0	44.8
Total	Lumens	21321.2	0.0	21321.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3074.1	14.4
10°-20°	6497.0	30.5
20°-30°	5864.0	27.5
30°-40°	3880.5	18.2
40°-50°	1162.4	5.5
50°-60°	466.3	2.2
60°-70°	241.5	1.1
70°-80°	104.8	0.5
80°-90°	30.5	0.1
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°	21321.2	100.0
0°-180°	21321.2	100.0

Coefficient of Utilization



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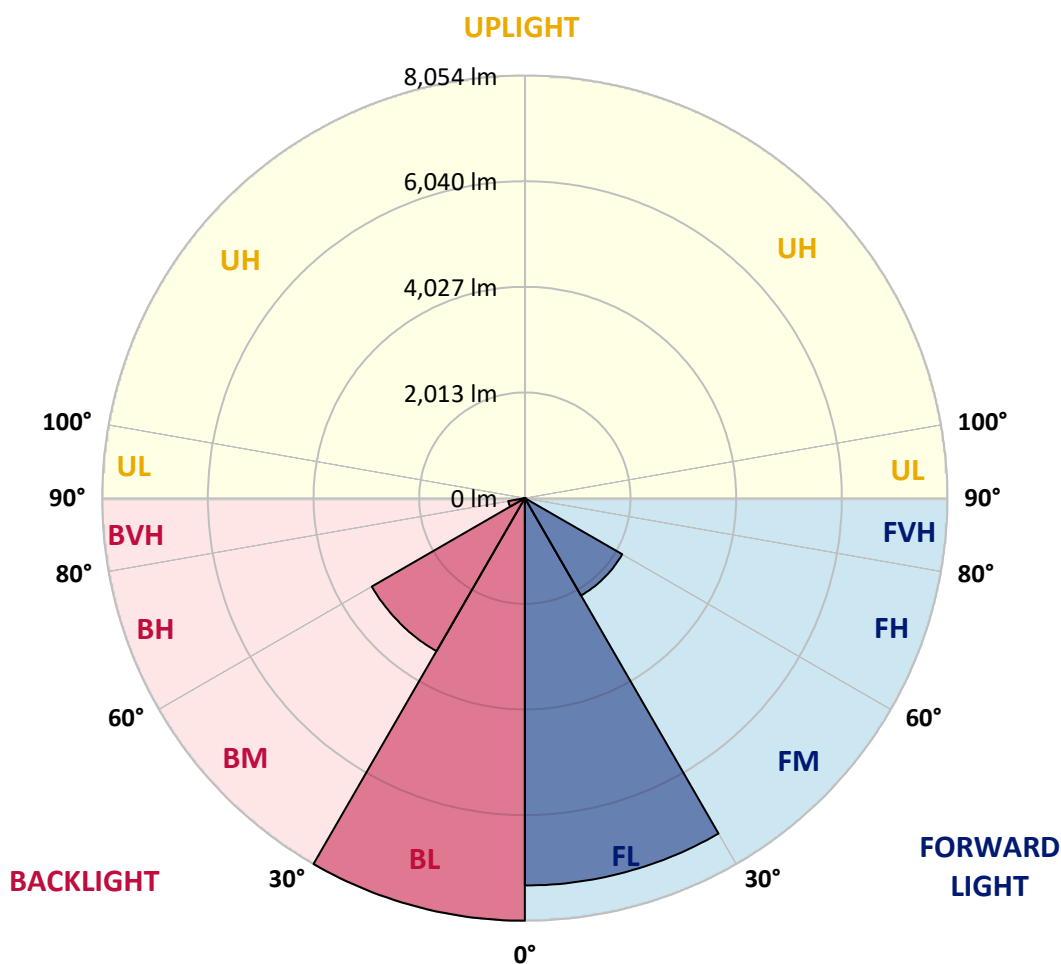
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7381.6	34.6			
FM	(30°-60°)	2141.9	10.0			
FH	(60°-80°)	26.5	0.1			G0/660
FVH	(80°-90°)	4.4	0.0			G0/10
BL	(0°-30°)	8053.6	37.8	B5		
BM	(30°-60°)	3367.4	15.8	B3/5000		
BH	(60°-80°)	319.8	1.5	B1/500		G1/500
BVH	(80°-90°)	26.1	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	34273.9	34273.9	34273.9	34273.9	34273.9	34273.9	34273.9	34273.9	34273.9	34273.9
2.5°	34317.5	34378.5	34073.3	34178.0	34221.6	34234.6	34343.7	34326.2	34356.7	34195.4
5°	33864.0	33746.3	33519.5	33523.9	33510.8	33388.7	33637.3	33619.8	33567.5	33375.6
7.5°	32320.4	32490.4	32063.1	32054.4	32045.7	31897.4	32224.4	32023.8	32067.5	31792.7
10°	30061.6	30083.4	29704.0	29669.2	29699.7	29507.8	29887.2	29808.7	29891.5	29603.7
12.5°	27292.7	27414.8	26996.1	26935.1	27057.2	26786.8	27092.1	27131.3	27009.2	26970.0
15°	21405.9	21728.6	22522.2	23734.5	24048.4	23821.7	24065.9	24061.5	24113.8	23817.3
17.5°	16308.4	16339.0	16151.5	16731.4	20089.0	21179.2	21231.5	20817.2	20503.3	20394.3
20°	14237.2	14341.8	14171.8	14219.7	14756.1	17952.4	18074.5	17450.9	16914.6	16871.0
22.5°	12588.9	12654.3	12532.2	12571.5	12597.6	12972.6	15096.2	14546.8	14289.5	14093.3
25°	11193.5	11193.5	11128.1	11141.2	11115.0	10561.2	11651.4	12279.3	12131.0	12061.3
27.5°	9920.2	9937.7	9854.8	9902.8	9584.5	8690.6	8559.8	10413.0	10256.0	10129.5
30°	8712.4	8769.1	8690.6	8716.7	8023.4	7290.8	6915.8	8686.2	8882.4	8847.5
32.5°	6558.3	6815.5	7447.8	7474.0	6532.1	5969.6	5803.9	6972.5	7718.2	7652.8
35°	4064.0	4050.9	4077.1	5332.9	5010.3	4626.5	4687.6	5267.5	6109.1	6078.6
37.5°	3100.3	3096.0	3144.0	3017.5	3283.5	3510.2	3558.2	3558.2	4460.8	4465.2
40°	2350.3	2332.9	2328.5	2127.9	1783.5	2633.8	2555.3	2489.9	3100.3	3165.8
42.5°	1500.0	1552.4	1513.1	1295.1	1164.3	1439.0	1604.7	1552.4	1914.3	1962.2
45°	837.2	837.2	802.3	680.2	675.9	728.2	915.7	854.7	981.1	1046.5
47.5°	405.5	396.8	436.1	536.3	558.1	540.7	654.1	680.2	741.3	802.3
50°	327.0	327.0	309.6	279.1	462.2	444.8	484.0	518.9	553.8	606.1
52.5°	274.7	274.7	252.9	235.5	266.0	340.1	344.5	409.9	405.5	479.7
55°	139.5	143.9	204.9	204.9	178.8	279.1	283.4	331.4	340.1	401.2
57.5°	13.1	17.4	26.2	126.5	139.5	152.6	213.7	244.2	283.4	309.6
60°	4.4	4.4	8.7	17.4	82.9	104.7	135.2	161.3	196.2	257.3
62.5°	0.0	0.0	4.4	8.7	17.4	65.4	74.1	82.9	117.7	161.3
65°	0.0	0.0	4.4	4.4	8.7	21.8	30.5	52.3	74.1	100.3
67.5°	0.0	0.0	4.4	4.4	8.7	13.1	17.4	26.2	34.9	65.4
70°	0.0	0.0	4.4	4.4	8.7	13.1	13.1	17.4	21.8	30.5
72.5°	0.0	0.0	4.4	4.4	8.7	17.4	13.1	13.1	17.4	21.8
75°	0.0	0.0	4.4	4.4	8.7	13.1	13.1	13.1	13.1	13.1
77.5°	0.0	0.0	4.4	4.4	8.7	13.1	13.1	13.1	8.7	8.7
80°	0.0	0.0	4.4	4.4	8.7	13.1	17.4	17.4	8.7	8.7
82.5°	0.0	0.0	4.4	8.7	8.7	21.8	26.2	21.8	8.7	4.4
85°	0.0	0.0	4.4	4.4	13.1	21.8	21.8	13.1	8.7	4.4
87.5°	0.0	0.0	0.0	4.4	4.4	8.7	13.1	13.1	4.4	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
34273.9	0°	34273.9	34273.9	34273.9	34273.9	34273.9	34273.9	34273.9	34273.9	34273.9
34064.6	2.5°	34047.1	34313.1	34435.2	34308.8	34247.7	34160.5	34034.1	33946.9	33964.3
33271.0	5°	33196.8	33475.9	33571.8	33462.8	33371.3	33323.3	33301.5	33345.1	33458.5
31675.0	7.5°	31666.3	31845.1	31949.7	31897.4	31770.9	31914.8	31954.1	31927.9	32093.6
29516.5	10°	29525.3	29721.5	29625.5	29647.4	29499.1	29573.2	29551.4	29647.4	29813.1
26939.5	12.5°	26765.0	26952.5	26878.4	26865.3	26708.3	26847.9	26760.7	26865.3	27083.4
23695.2	15°	23865.3	23983.0	23935.0	23860.9	23721.4	23769.3	24039.7	24022.2	24118.2
20328.9	17.5°	20241.7	20808.5	21118.1	21183.5	21070.2	21166.1	21358.0	21310.0	21528.0
16779.4	20°	16748.9	17320.1	18083.2	18702.4	18715.5	18728.5	18850.6	18881.2	19068.7
14097.6	22.5°	14036.6	14442.1	15261.9	16081.7	16648.6	16766.3	16753.2	16796.8	16849.1
11965.3	25°	11934.8	12231.3	12981.3	13548.2	14542.4	14873.8	14969.8	14873.8	14904.3
10085.9	27.5°	10199.3	10652.8	10901.4	11507.5	12479.9	13247.3	13216.8	13160.1	13168.8
8777.8	30°	8773.4	9261.8	9628.1	9811.2	10543.8	11651.4	11764.8	11603.4	11607.8
7622.2	32.5°	7574.3	7726.9	8267.6	8415.9	8886.8	9894.1	10282.2	10160.1	10138.3
6096.0	35°	6274.8	6357.7	6606.2	6898.4	7177.5	7940.6	8581.6	8468.2	8524.9
4482.6	37.5°	4465.2	4805.3	5045.2	5285.0	5485.6	5965.2	6737.0	6632.4	6689.1
3174.5	40°	3148.3	3300.9	3715.2	3819.8	4116.4	4338.7	4992.8	4957.9	5027.7
1971.0	42.5°	1936.1	2045.1	2254.4	2354.7	2555.3	2681.7	3065.5	3109.1	3200.6
1090.1	45°	1098.9	1146.8	1290.7	1399.7	1548.0	1600.3	1735.5	1796.5	1848.9
845.9	47.5°	837.2	889.6	985.5	1081.4	1203.5	1247.1	1343.0	1434.6	1482.6
654.1	50°	684.6	732.6	832.9	911.4	1033.4	1072.7	1151.2	1251.5	1312.5
497.1	52.5°	518.9	588.7	710.8	793.6	920.1	968.0	1042.2	1142.5	1199.2
409.9	55°	427.3	479.7	588.7	702.0	819.8	885.2	933.2	1055.3	1116.3
335.8	57.5°	366.3	405.5	475.3	610.5	710.8	806.7	845.9	959.3	1020.4
266.0	60°	279.1	340.1	401.2	505.8	619.2	719.5	763.1	863.4	911.4
191.9	62.5°	231.1	270.4	348.8	405.5	532.0	636.6	680.2	771.8	806.7
126.5	65°	161.3	218.0	292.2	327.0	444.8	545.1	606.1	675.9	710.8
74.1	67.5°	95.9	161.3	231.1	279.1	361.9	462.2	527.6	593.0	623.6
43.6	70°	61.0	126.5	183.1	235.5	283.4	379.4	457.9	514.5	501.5
26.2	72.5°	34.9	78.5	135.2	191.9	235.5	318.3	392.4	436.1	309.6
17.4	75°	21.8	56.7	113.4	157.0	191.9	252.9	322.7	331.4	191.9
8.7	77.5°	17.4	43.6	87.2	126.5	130.8	187.5	226.7	257.3	143.9
8.7	80°	8.7	34.9	74.1	104.7	82.9	130.8	174.4	200.6	113.4
4.4	82.5°	8.7	21.8	56.7	74.1	61.0	100.3	126.5	143.9	95.9
4.4	85°	4.4	17.4	30.5	43.6	43.6	65.4	56.7	69.8	61.0
4.4	87.5°	4.4	8.7	17.4	21.8	17.4	26.2	30.5	30.5	26.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
34273.9
34199.8
33693.9
32259.3
29878.5
27122.6
24140.0
21493.1
19029.4
16753.2
14856.4
13181.9
11612.1
10190.6
8577.2
6737.0
5053.9
3305.3
1844.5
1504.4
1338.7
1238.4
1133.7
1046.5
920.1
811.1
710.8
619.2
462.2
274.7
178.8
143.9
117.7
104.7
61.0
21.8
0.0

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