

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: P635839

Luminaire Tested: **IFLD-S-SA2B-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635839
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (32) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5308.1 lumens
Efficiency: N/A
Efficacy: 64.4 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: 25 FT



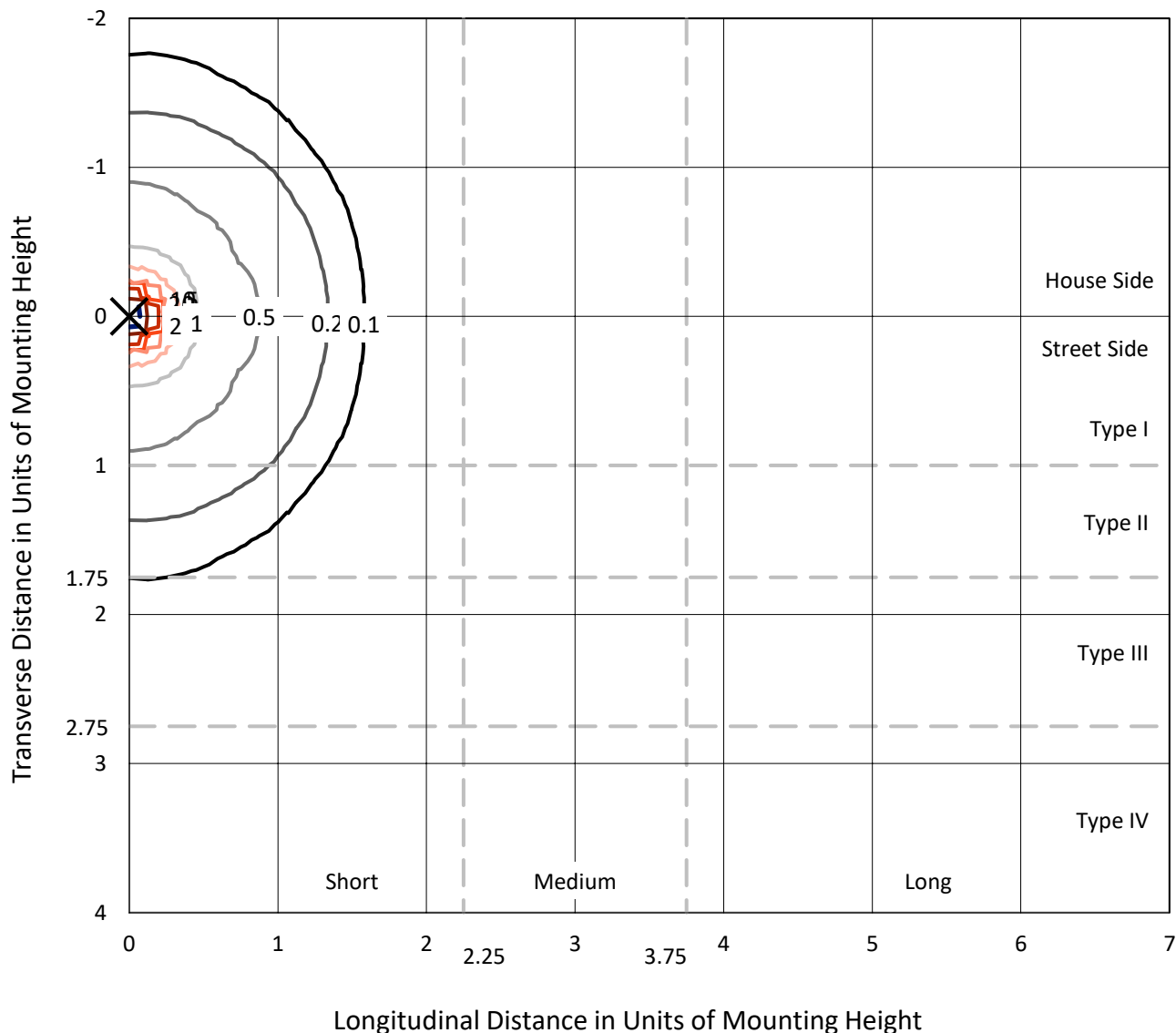
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

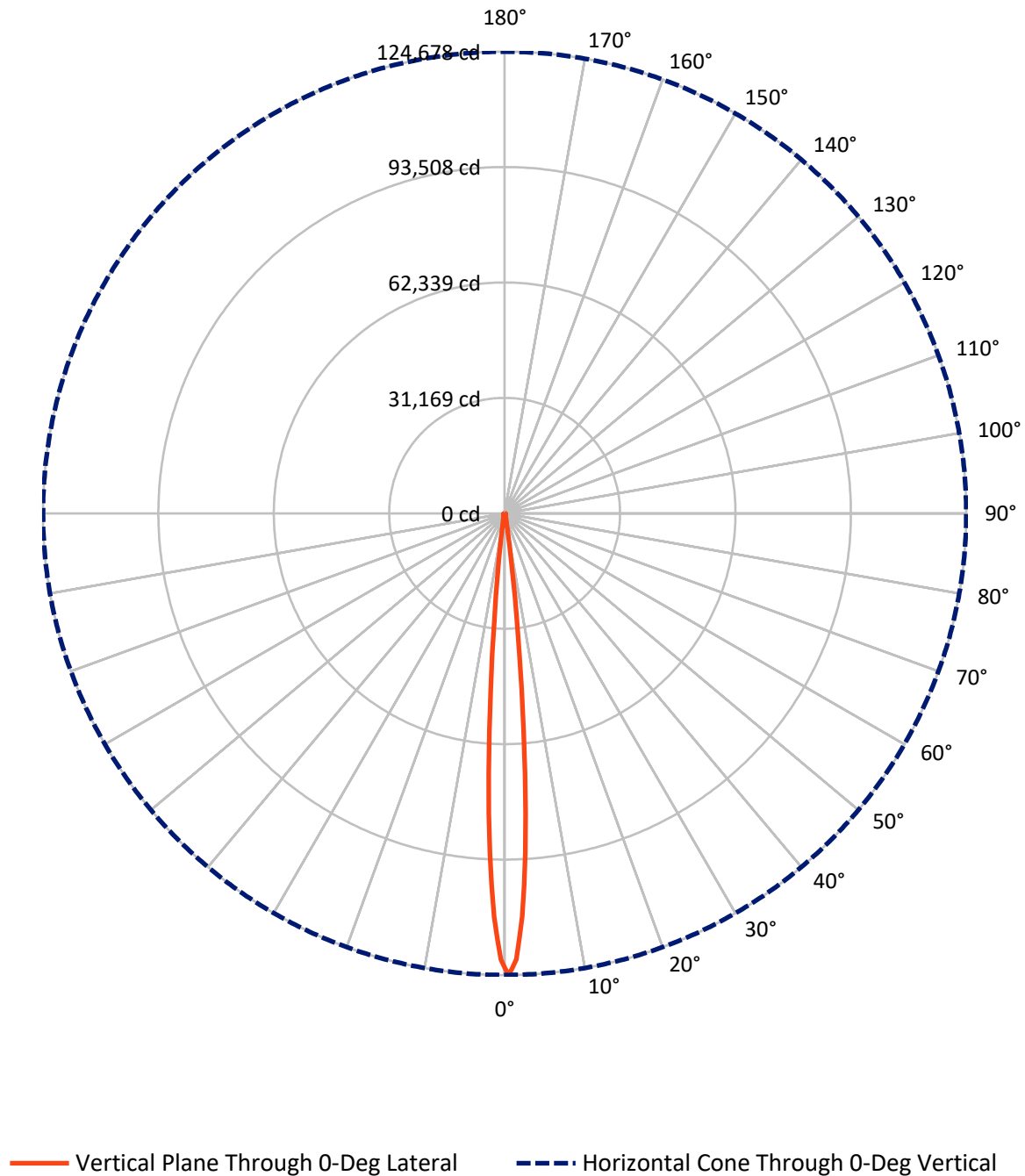


Based on 20 foot mounting height. Maximum calculated value = 311.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2654.0	0.0	2654.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2654.0	0.0	2654.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5308.1	0.0	5308.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3350.4	63.1
10°-20°	414.1	7.8
20°-30°	248.1	4.7
30°-40°	266.7	5.0
40°-50°	358.7	6.8
50°-60°	319.7	6.0
60°-70°	211.2	4.0
70°-80°	104.7	2.0
80°-90°	34.6	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°	5308.1	100.0
0°-180°	5308.1	100.0



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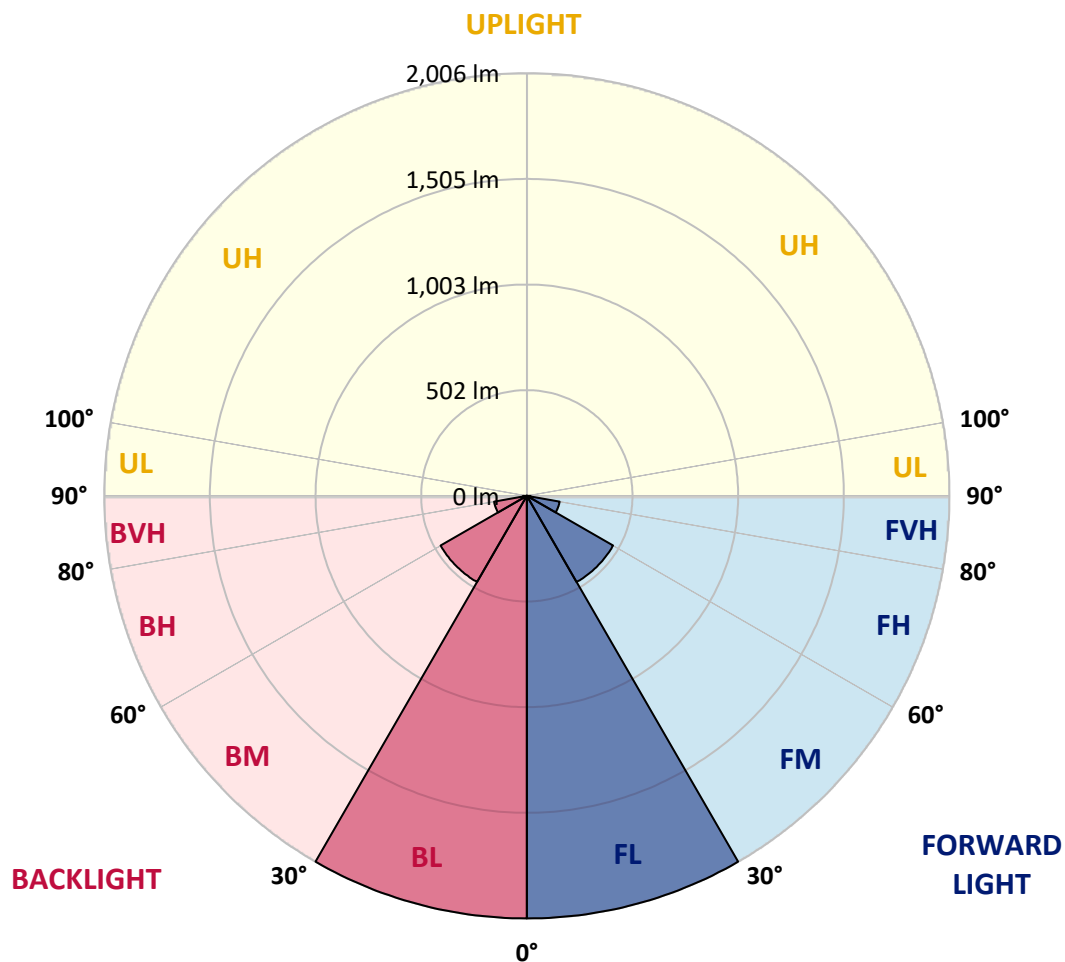
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2006.2	37.8			
FM	(30°-60°)	472.6	8.9			
FH	(60°-80°)	157.9	3.0			G0/660
FVH	(80°-90°)	17.3	0.3			G1/100
BL	(0°-30°)	2006.2	37.8	B3/2500		
BM	(30°-60°)	472.6	8.9	B1/1000		
BH	(60°-80°)	157.9	3.0	B1/500		G0/660
BVH	(80°-90°)	17.3	0.3			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°
0°	124677.8	124677.8	124677.8	124677.8	124677.8	124677.8	124677.8	124677.8	124677.8	124677.8
1°	120498.8	119261.9	119898.1	120506.1	121358.8	121734.4	122117.3	122403.5	122398.6	122870.9
2°	108990.6	106997.7	107921.4	109054.2	111245.2	111874.1	112924.9	114225.4	114304.9	115481.7
3°	91866.0	89068.1	90428.5	92445.8	96078.0	97017.5	98702.1	99891.2	99360.3	100737.8
4°	70495.0	66844.5	68923.0	71909.2	75444.8	79031.7	79102.6	79955.3	78204.7	78120.3
5°	47560.7	44342.0	47008.9	50743.9	53798.6	56305.3	57849.1	57955.6	56063.0	55890.5
6°	29007.1	26877.3	29198.0	33150.7	37382.3	38424.6	38660.7	38124.9	35642.7	34268.8
7°	16032.2	15163.6	17431.7	19790.3	23089.7	24615.3	23559.5	21846.8	21087.1	19451.5
8°	8841.2	8413.1	9060.2	11098.3	13658.8	14660.8	13641.7	11862.9	10582.1	10129.4
9°	5330.2	5092.9	5357.1	6132.7	7238.6	7933.5	7350.0	6474.0	5933.3	5782.8
10°	3540.4	3447.4	3560.0	3821.8	4219.4	4422.5	4276.9	3929.4	3765.5	3755.7
12.5°	1858.3	1841.2	1869.3	1898.7	1967.2	1978.2	1952.5	1928.0	1890.1	1904.8
15°	1196.4	1180.5	1209.9	1247.8	1265.0	1276.0	1277.2	1263.7	1238.0	1225.8
17.5°	872.3	875.9	878.4	900.4	933.4	959.1	948.1	933.4	904.1	889.4
20°	718.1	719.3	724.2	736.5	747.5	783.0	771.9	749.9	721.8	710.8
22.5°	614.1	616.6	619.0	626.4	628.8	638.6	639.8	620.2	604.3	598.2
25°	540.7	540.7	544.4	550.5	553.0	545.6	546.8	538.3	523.6	516.3
27.5°	458.8	461.2	464.9	467.3	462.4	453.9	442.9	450.2	442.9	425.7
30°	408.6	411.0	422.1	414.7	403.7	392.7	386.6	396.4	397.6	382.9
32.5°	404.9	406.2	409.8	406.2	392.7	379.2	370.7	381.7	384.1	378.0
35°	423.3	419.6	424.5	427.0	413.5	398.8	387.8	397.6	404.9	407.4
37.5°	512.6	491.8	475.9	471.0	462.4	452.6	438.0	440.4	453.9	466.1
40°	488.1	483.2	477.1	461.2	445.3	457.5	440.4	435.5	466.1	468.5
42.5°	484.5	488.1	483.2	463.7	447.8	460.0	456.3	441.6	472.2	468.5
45°	486.9	490.6	501.6	468.5	455.1	461.2	468.5	452.6	483.2	471.0
47.5°	467.3	472.2	484.5	466.1	457.5	456.3	467.3	452.6	468.5	467.3
50°	441.6	446.5	450.2	434.3	450.2	441.6	442.9	436.7	436.7	439.2
52.5°	408.6	413.5	417.2	398.8	408.6	412.3	397.6	396.4	385.4	389.0
55°	368.2	375.6	379.2	371.9	367.0	374.3	353.6	351.1	329.1	330.3
57.5°	321.7	329.1	332.8	341.3	337.6	323.0	310.7	300.9	276.5	266.7
60°	331.5	338.9	331.5	307.1	307.1	274.0	263.0	242.2	217.8	205.5
62.5°	320.5	330.3	329.1	303.4	272.8	231.2	211.6	189.6	165.2	149.3
65°	302.2	312.0	307.1	289.9	260.6	198.2	168.8	146.8	116.2	112.5
67.5°	271.6	286.3	276.5	265.5	242.2	179.8	134.6	110.1	84.4	84.4
70°	225.1	236.1	242.2	230.0	216.5	168.8	115.0	84.4	61.2	46.5
72.5°	181.1	190.8	200.6	194.5	182.3	152.9	102.8	67.3	44.0	26.9
75°	100.3	104.0	107.7	122.3	139.5	124.8	94.2	58.7	36.7	20.8
77.5°	77.1	80.7	89.3	82.0	75.8	96.6	102.8	68.5	31.8	14.7
80°	59.9	64.8	91.8	75.8	64.8	73.4	88.1	59.9	20.8	7.3
82.5°	45.3	48.9	64.8	72.2	68.5	55.1	47.7	40.4	18.4	4.9
85°	33.0	37.9	45.3	40.4	39.1	39.1	52.6	35.5	13.5	3.7
87.5°	19.6	19.6	20.8	19.6	18.4	18.4	20.8	17.1	8.6	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
124677.8
121921.5
114441.9
99264.9
77748.4
55192.0
34388.7
18683.2
9718.4
5578.5
3639.5
1849.7
1206.2
873.5
698.5
590.9
510.1
427.0
378.0
374.3
407.4
477.1
472.2
466.1
467.3
464.9
430.6
382.9
321.7
260.6
195.7
146.8
112.5
74.6
41.6
25.7
18.4
7.3
4.9
3.7
2.4
2.4
0.0

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