

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: P636191

Luminaire Tested: **IFLD-S-SA3A-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636191
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-935-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8742.6 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

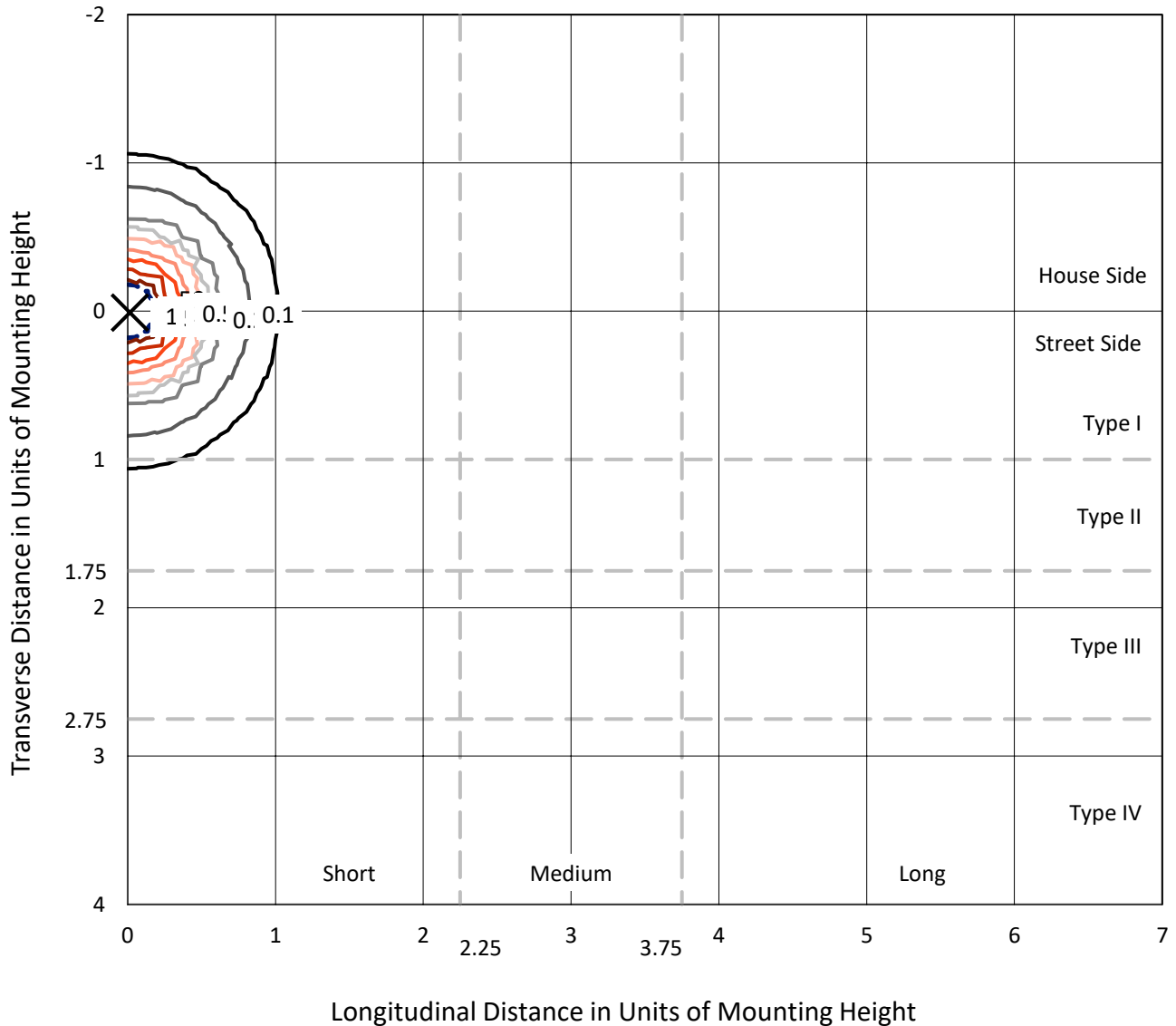
Input Watts (W): 94.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

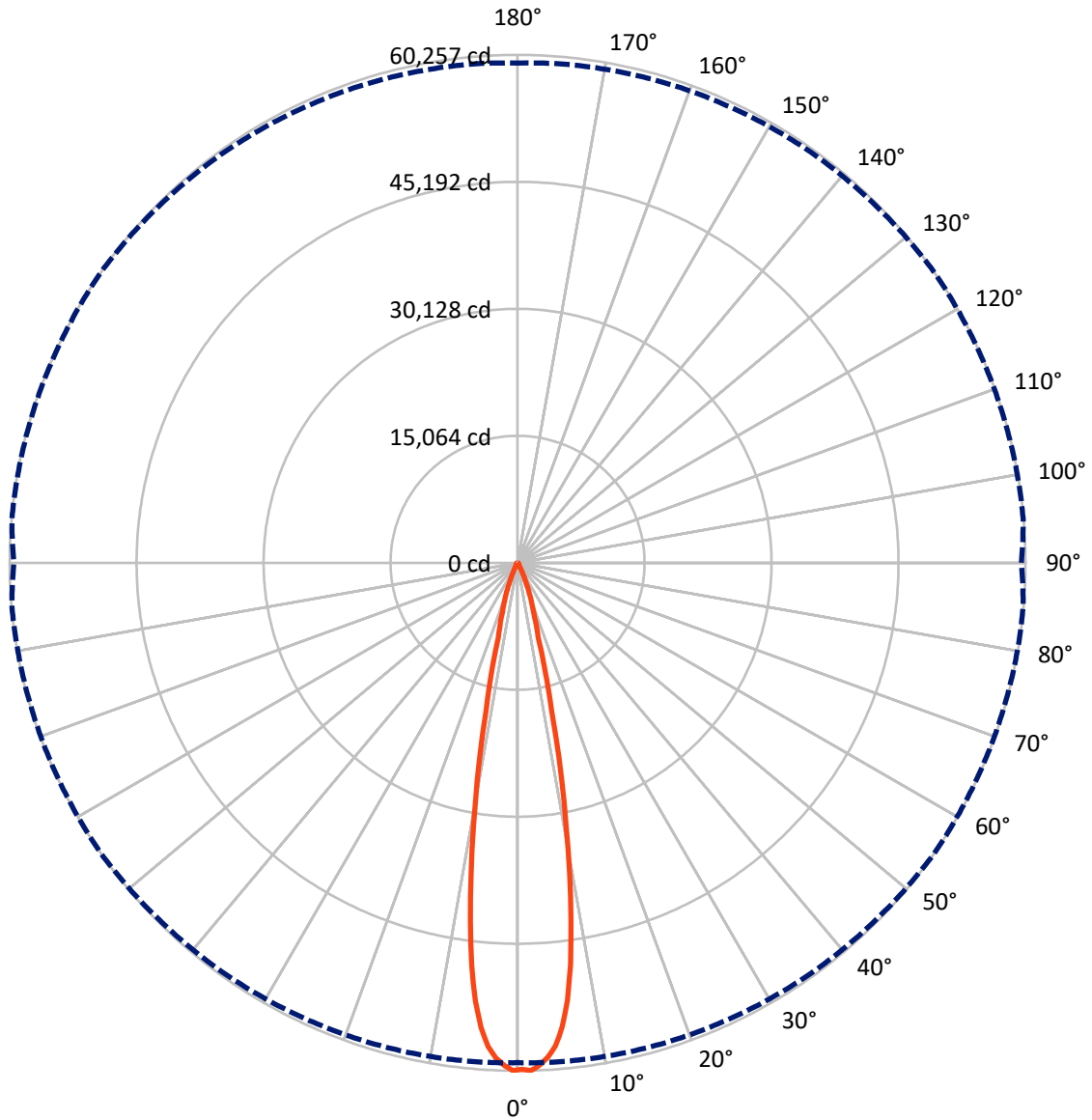
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 150.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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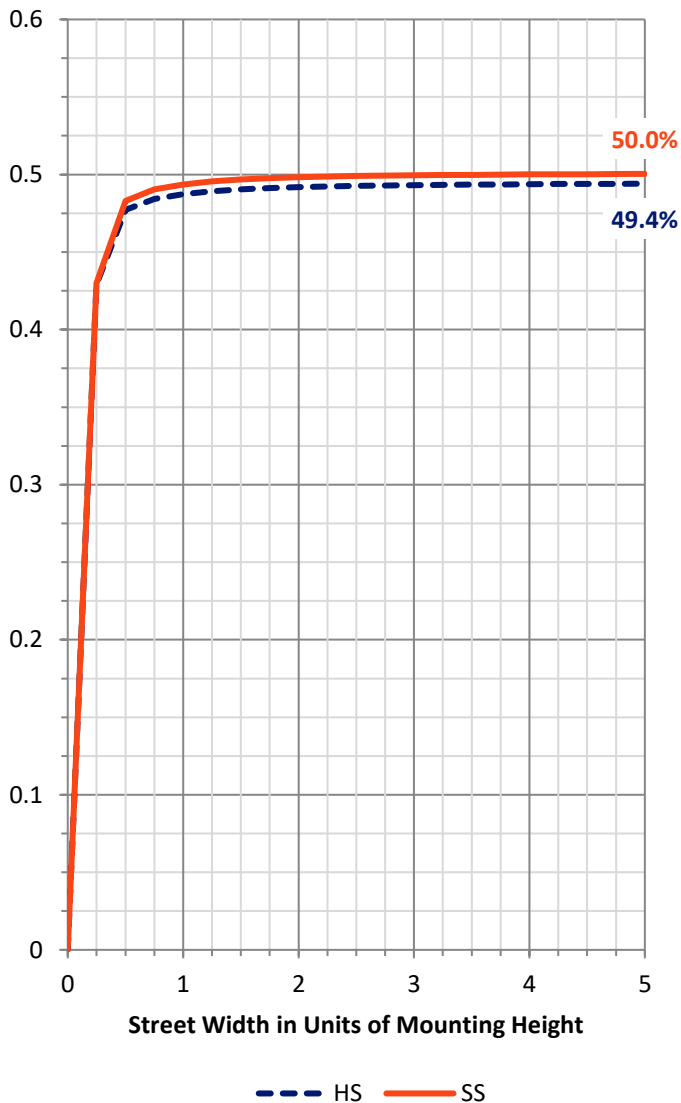
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4371.3	0.0	4371.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4371.3	0.0	4371.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	8742.6	0.0	8742.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4441.9	50.8
10°-20°	3148.0	36.0
20°-30°	737.6	8.4
30°-40°	154.2	1.8
40°-50°	99.5	1.1
50°-60°	73.7	0.8
60°-70°	50.1	0.6
70°-80°	26.7	0.3
80°-90°	11.0	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°	8742.6	100.0
0°-180°	8742.6	100.0

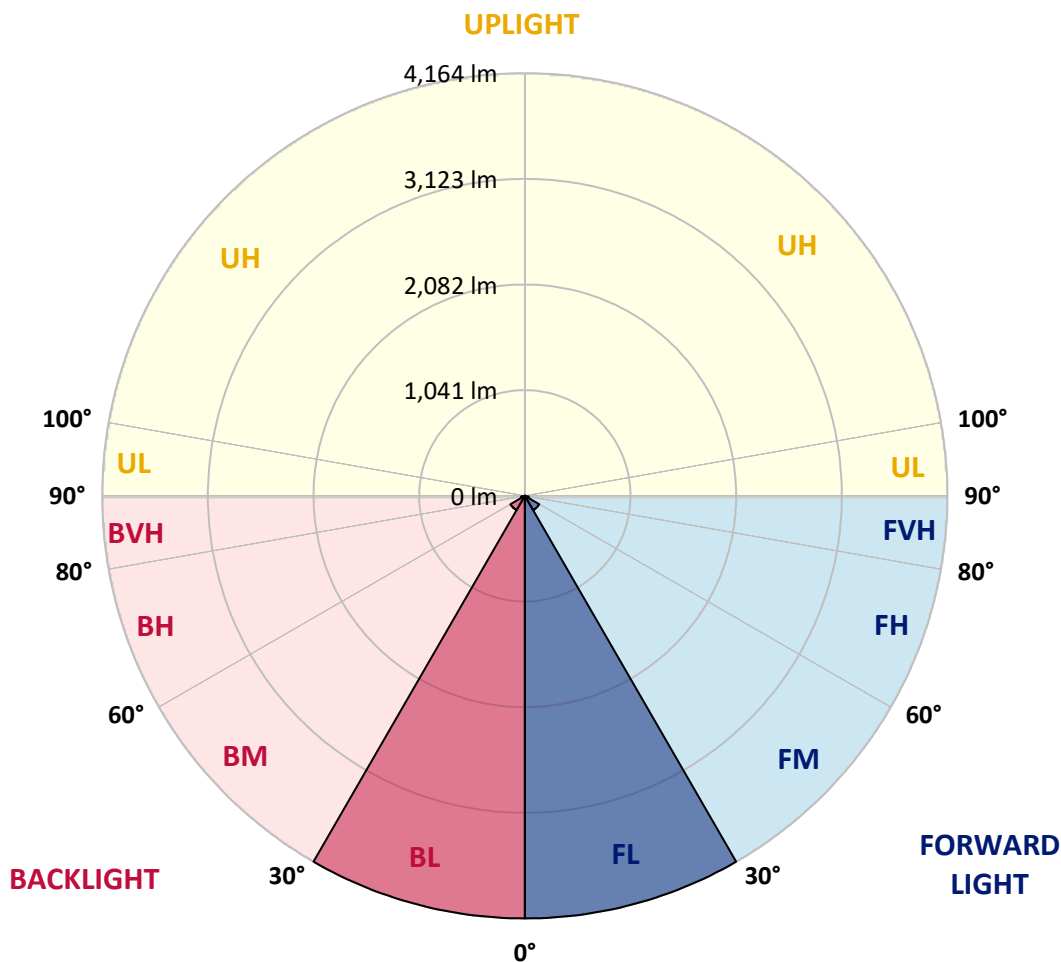


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4163.8	47.6			
FM (30°-60°)	163.6	1.9			
FH (60°-80°)	38.4	0.4			G0/660
FVH (80°-90°)	5.5	0.1			G0/10
BL (0°-30°)	4163.8	47.6	B4/5000		
BM (30°-60°)	163.6	1.9	B0/220		
BH (60°-80°)	38.4	0.4	B0/110		G0/660
BVH (80°-90°)	5.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	60101.9	60101.9	60101.9	60101.9	60101.9	60101.9	60101.9	60101.9	60101.9	60101.9
1°	59293.3	59403.1	59537.6	59659.7	59843.7	59993.7	60256.5	60200.9	60193.2	60204.0
2°	58144.6	58282.2	58489.3	58611.5	59086.1	59281.0	59678.3	59795.8	59701.5	59808.2
3°	56423.7	56536.6	56861.3	57100.9	57716.3	58242.0	58773.8	58950.1	58840.3	58889.8
4°	54375.1	54491.1	54883.8	55372.4	56261.4	56844.3	57481.3	57639.0	57280.3	57305.0
5°	51936.9	51991.0	52471.9	52917.2	53980.9	54687.5	55292.0	55341.5	55013.7	54888.5
6°	49194.1	49096.7	49538.9	49727.5	51049.5	51770.0	52212.1	52154.9	51906.0	51799.3
7°	45934.9	45802.0	46159.1	46057.1	47227.5	47638.7	48063.9	47869.1	47671.2	47917.0
8°	42164.0	42089.8	41859.4	42276.8	42508.8	42876.7	42875.2	42762.3	42756.1	43165.8
9°	36681.5	37366.4	37163.8	37601.4	37542.6	37525.6	37412.8	37340.1	37030.9	37502.4
10°	30660.9	31109.3	31451.0	32103.4	31976.6	32156.0	31528.3	31635.0	31429.3	31818.9
12.5°	15870.8	16374.9	16670.2	17168.0	17715.3	18275.0	18094.1	17907.0	17627.2	17970.4
15°	7812.5	8011.9	8106.3	8611.8	9001.5	9142.1	9163.8	8998.4	8927.2	9001.5
17.5°	4794.5	4864.1	5137.7	5719.1	6056.1	6139.6	6085.5	5904.6	5702.1	5617.0
20°	3471.0	3491.1	3594.7	3707.6	4157.5	4392.5	4305.9	4128.1	3941.0	3852.9
22.5°	2266.6	2286.7	2320.7	2382.6	2503.2	2793.8	2699.5	2578.9	2452.1	2425.8
25°	1283.3	1283.3	1318.8	1382.2	1471.9	1493.5	1512.1	1383.8	1325.0	1298.7
27.5°	715.8	720.5	728.2	753.0	797.8	793.2	773.1	739.0	698.8	657.1
30°	395.8	400.4	405.1	411.3	419.0	405.1	392.7	386.5	369.5	364.9
32.5°	296.9	296.9	299.9	298.4	290.7	273.7	265.9	275.2	273.7	265.9
35°	244.3	244.3	247.4	253.6	238.1	225.7	219.5	231.9	231.9	227.3
37.5°	199.4	201.0	202.5	210.3	205.6	191.7	190.2	193.3	194.8	193.3
40°	174.7	173.2	173.2	174.7	171.6	168.5	165.4	163.9	165.4	163.9
42.5°	151.5	150.0	153.1	150.0	143.8	145.3	145.3	140.7	142.2	139.1
45°	133.0	131.4	133.0	129.9	125.2	126.8	126.8	120.6	120.6	119.1
47.5°	117.5	117.5	117.5	119.1	111.3	109.8	111.3	109.8	105.1	103.6
50°	102.0	103.6	105.1	108.2	100.5	97.4	97.4	97.4	94.3	92.8
52.5°	94.3	95.9	95.9	95.9	91.2	88.1	88.1	86.6	85.0	83.5
55°	91.2	91.2	91.2	85.0	83.5	81.9	77.3	75.8	74.2	74.2
57.5°	86.6	86.6	85.0	80.4	75.8	75.8	69.6	68.0	66.5	66.5
60°	77.3	77.3	77.3	75.8	69.6	68.0	61.8	58.8	57.2	57.2
62.5°	71.1	71.1	71.1	64.9	63.4	58.8	54.1	49.5	47.9	44.8
65°	64.9	64.9	64.9	58.8	55.7	51.0	44.8	40.2	37.1	32.5
67.5°	60.3	60.3	58.8	54.1	49.5	43.3	37.1	32.5	26.3	23.2
70°	52.6	52.6	51.0	47.9	43.3	38.7	30.9	24.7	20.1	15.5
72.5°	44.8	44.8	43.3	40.2	37.1	32.5	26.3	21.6	13.9	10.8
75°	37.1	37.1	35.6	32.5	30.9	27.8	23.2	17.0	10.8	4.6
77.5°	30.9	30.9	29.4	27.8	26.3	23.2	20.1	13.9	7.7	3.1
80°	23.2	24.7	24.7	24.7	21.6	20.1	18.6	13.9	6.2	1.5
82.5°	17.0	18.6	18.6	18.6	17.0	15.5	17.0	12.4	6.2	1.5
85°	12.4	12.4	13.9	13.9	13.9	13.9	18.6	13.9	4.6	1.5
87.5°	6.2	6.2	6.2	6.2	6.2	7.7	9.3	7.7	3.1	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
60101.9
59772.6
59403.1
58518.7
56937.1
54627.2
51559.7
47841.3
42029.5
36622.7
30820.2
17041.2
8655.1
5498.0
3784.9
2371.7
1277.1
658.6
364.9
261.3
225.7
193.3
165.4
140.7
119.1
103.6
91.2
81.9
72.7
66.5
55.7
41.7
32.5
21.6
15.5
9.3
4.6
1.5
1.5
1.5
1.5
0.0
0.0

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