

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: P636369

Luminaire Tested: **IFLD-S-SA3E-940-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636369
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-940-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (48) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18222.1 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

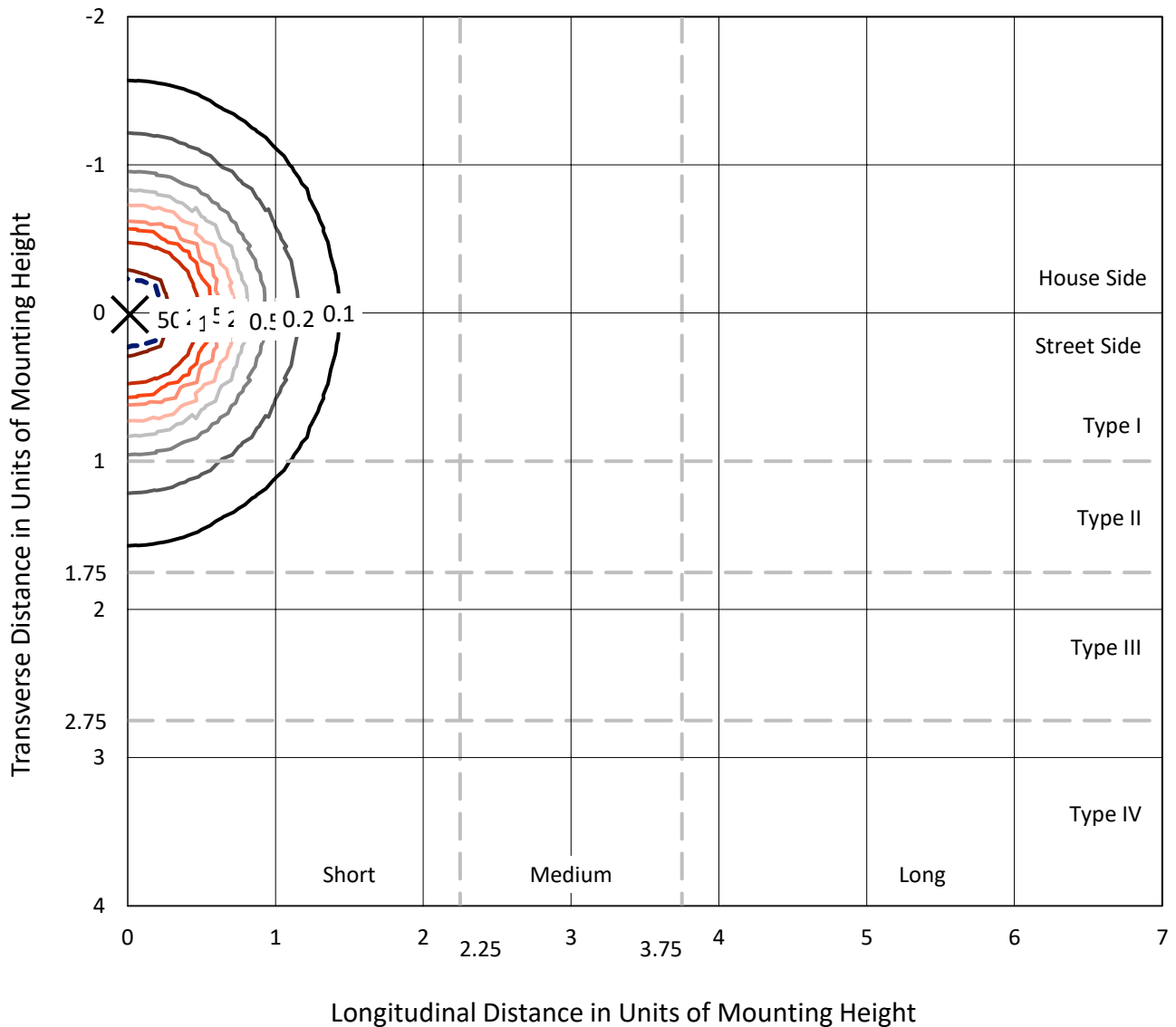
Input Watts (W): 232.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

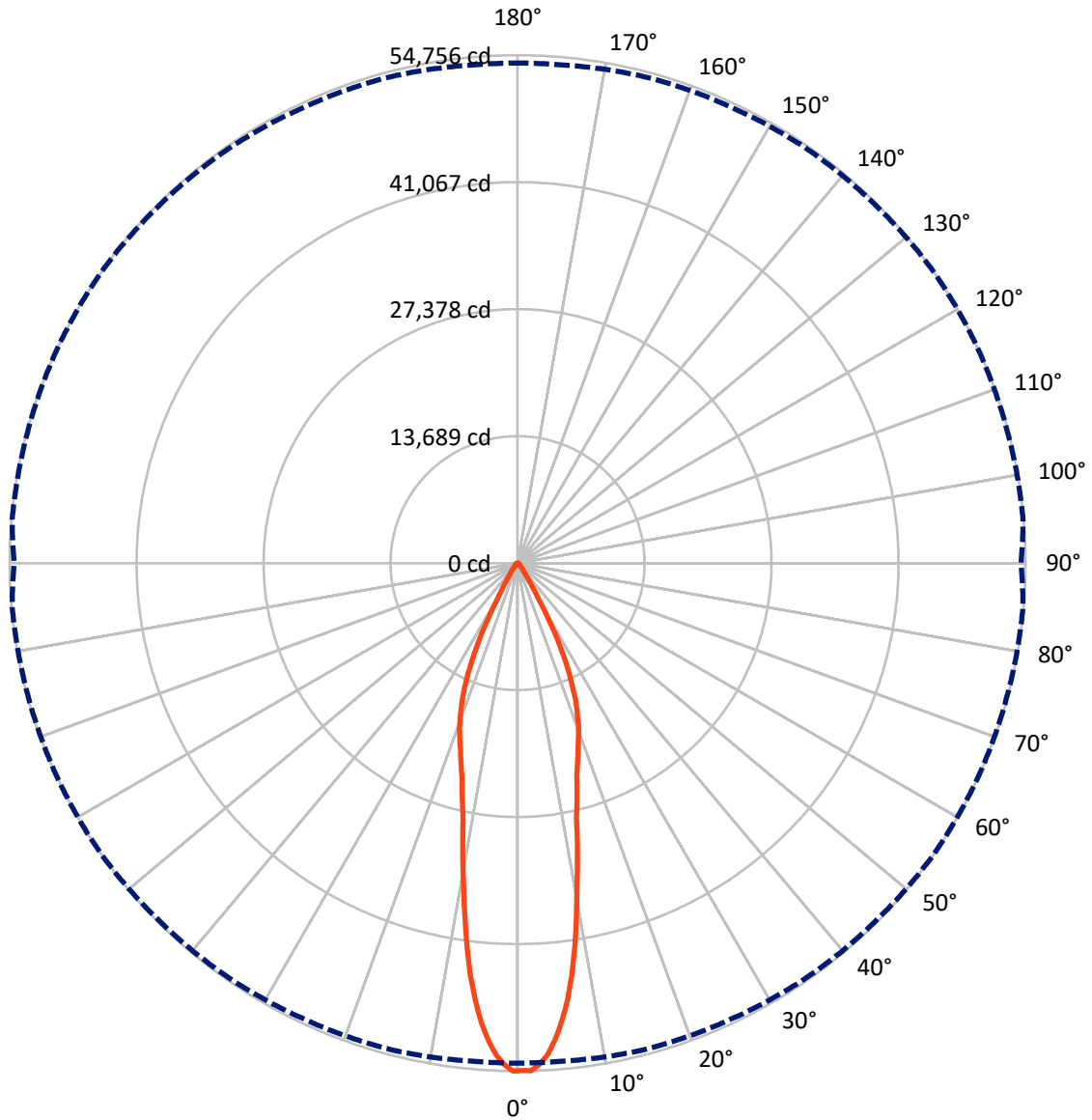
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 136.7 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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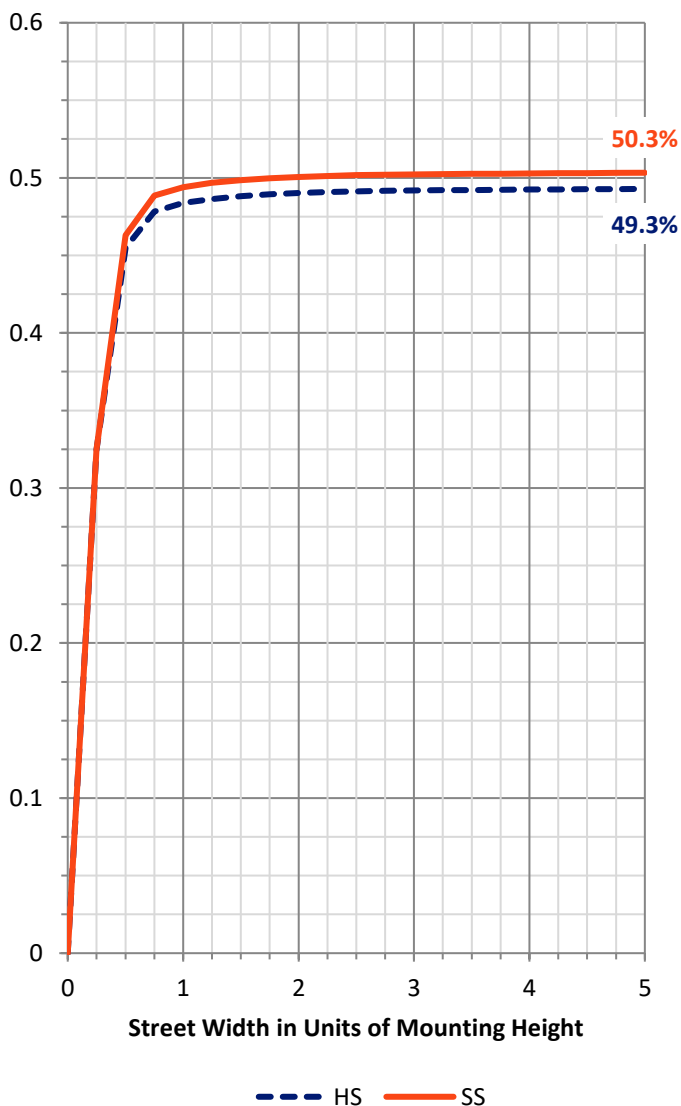
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9111.0	0.0	9111.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9111.0	0.0	9111.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18222.1	0.0	18222.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4161.4	22.8
10°-20°	6796.7	37.3
20°-30°	5311.2	29.1
30°-40°	1157.7	6.4
40°-50°	342.8	1.9
50°-60°	214.4	1.2
60°-70°	149.9	0.8
70°-80°	64.4	0.4
80°-90°	23.8	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°	18222.1	100.0
0°-180°	18222.1	100.0



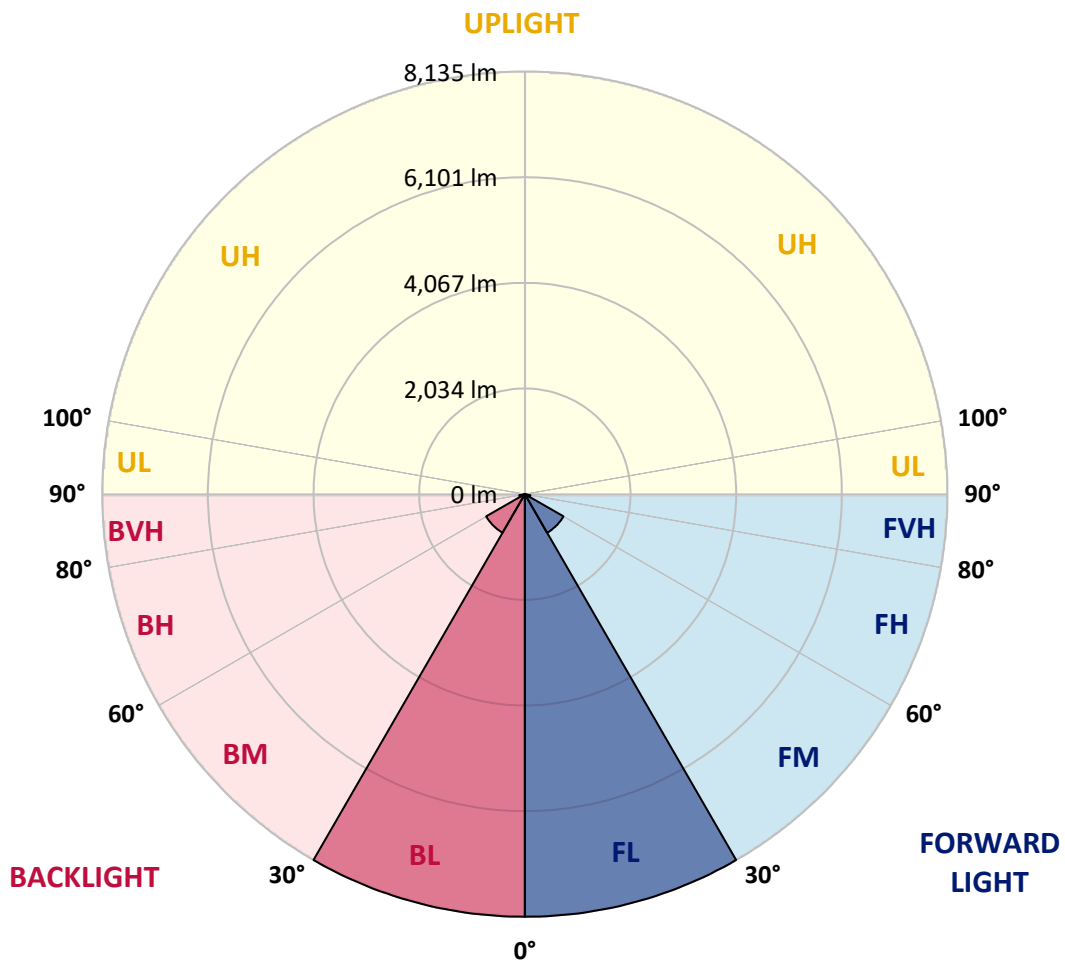
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8134.6	44.6			
FM (30°-60°)	857.4	4.7			
FH (60°-80°)	107.1	0.6			G0/660
FVH (80°-90°)	11.9	0.1			G1/100
BL (0°-30°)	8134.6	44.6	B5		
BM (30°-60°)	857.4	4.7	B1/1000		
BH (60°-80°)	107.1	0.6	B0/110		G0/660
BVH (80°-90°)	11.9	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 V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	54693.7	54693.7	54693.7	54693.7	54693.7	54693.7	54693.7	54693.7	54693.7	54693.7
1°	53902.0	53908.6	54202.2	54268.2	54469.4	54571.6	54756.4	54736.6	54680.5	54687.1
2°	52909.1	52866.2	53140.0	53443.5	53684.3	53882.2	54103.2	54149.4	54096.6	54146.1
3°	51276.2	51213.5	51596.2	51975.5	52394.5	52734.2	53067.4	53080.6	53017.9	53014.6
4°	49128.7	49013.2	49468.4	50144.7	50672.5	51124.4	51540.1	51533.5	51447.7	51517.0
5°	46532.5	46387.4	46977.9	47868.5	48650.3	49194.6	49653.2	49544.3	49346.4	49356.3
6°	43345.9	43487.8	44210.2	45460.4	46384.1	46836.0	47400.1	47195.6	46852.5	46816.2
7°	40350.6	40670.6	41247.9	42755.4	43853.9	44328.9	44807.3	44394.9	43929.8	43853.9
8°	37197.0	37731.4	38529.7	39918.5	41089.6	41567.9	41749.3	41307.3	40809.2	40789.4
9°	34640.4	35006.6	35692.8	36916.6	38107.5	38427.4	38467.0	38081.1	37583.0	37615.9
10°	32314.8	32384.1	32977.9	34030.2	34983.5	35211.1	35201.2	34920.8	34511.8	34620.7
12.5°	27109.3	27297.4	27468.9	27805.4	28125.4	28273.8	28217.7	28102.3	27878.0	27887.8
15°	23576.4	23573.1	23592.8	23747.9	23843.6	23860.0	23860.0	23714.9	23619.2	23761.1
17.5°	20459.0	20630.5	20937.3	21062.7	21188.0	21141.9	21056.1	20990.1	20927.4	21049.5
20°	18034.4	18110.3	18113.6	18196.0	18829.4	18862.4	18753.5	18565.5	18407.2	18377.5
22.5°	15306.3	15421.8	15471.3	15543.8	15609.8	16091.4	15962.8	15659.3	15471.3	15415.2
25°	11489.6	11450.1	11773.3	12367.1	12462.8	12522.2	12489.2	12330.8	12208.8	12231.9
27.5°	7940.2	8009.4	7996.2	8002.8	8632.9	8629.6	8619.7	8481.2	8444.9	8392.1
30°	4440.2	4407.2	4423.7	4380.8	4291.7	4400.6	4225.7	4374.2	4229.0	4275.2
32.5°	2625.8	2602.7	2579.6	2589.5	2523.6	2361.9	2292.6	2394.9	2361.9	2348.7
35°	1675.8	1685.7	1715.4	1712.1	1652.7	1560.3	1461.4	1553.7	1540.5	1500.9
37.5°	1068.8	1068.8	1078.7	1164.5	1115.0	1035.8	966.5	1006.1	1002.8	996.2
40°	758.7	758.7	771.9	795.0	768.6	729.0	689.4	689.4	696.0	676.2
42.5°	564.1	564.1	577.3	590.5	557.5	544.3	524.5	511.3	527.8	511.3
45°	442.0	438.7	442.0	435.4	415.6	415.6	399.2	379.4	399.2	389.3
47.5°	362.9	359.6	356.3	343.1	323.3	326.6	320.0	303.5	313.4	310.1
50°	316.7	310.1	313.4	300.2	283.7	280.4	280.4	263.9	267.2	267.2
52.5°	277.1	277.1	273.8	267.2	260.6	247.4	250.7	234.2	234.2	234.2
55°	260.6	260.6	254.0	240.8	244.1	234.2	224.3	214.4	211.1	211.1
57.5°	257.3	257.3	254.0	240.8	230.9	227.6	214.4	201.2	191.3	194.6
60°	250.7	250.7	244.1	240.8	224.3	217.7	197.9	188.0	174.8	174.8
62.5°	240.8	237.5	224.3	204.5	204.5	188.0	174.8	155.0	145.1	141.8
65°	204.5	201.2	191.3	174.8	164.9	155.0	135.2	115.5	108.9	99.0
67.5°	168.2	168.2	161.6	145.1	138.5	125.4	102.3	89.1	72.6	66.0
70°	138.5	138.5	132.0	122.1	115.5	99.0	79.2	66.0	49.5	42.9
72.5°	112.2	112.2	105.6	99.0	92.4	82.5	66.0	49.5	33.0	26.4
75°	89.1	89.1	85.8	79.2	72.6	66.0	52.8	39.6	23.1	13.2
77.5°	72.6	72.6	69.3	66.0	59.4	52.8	42.9	33.0	16.5	6.6
80°	56.1	56.1	56.1	56.1	49.5	42.9	36.3	26.4	13.2	3.3
82.5°	39.6	39.6	42.9	49.5	39.6	33.0	33.0	26.4	9.9	3.3
85°	26.4	29.7	33.0	29.7	26.4	26.4	46.2	42.9	9.9	3.3
87.5°	13.2	13.2	13.2	13.2	13.2	9.9	13.2	9.9	6.6	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°
54693.7
54281.4
53756.8
52727.6
51190.4
48874.7
46334.6
43494.4
40066.9
37124.4
34238.0
27561.3
23431.2
20769.1
18186.2
15214.0
12152.7
8200.8
4331.3
2315.7
1458.1
983.0
669.7
508.0
389.3
310.1
270.5
234.2
207.8
194.6
164.9
135.2
95.7
62.7
39.6
23.1
9.9
6.6
3.3
3.3
3.3
0.0
0.0

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