

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: P636135

Luminaire Tested: **IFLD-S-SA3C-927-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636135
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-927-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12833.3 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

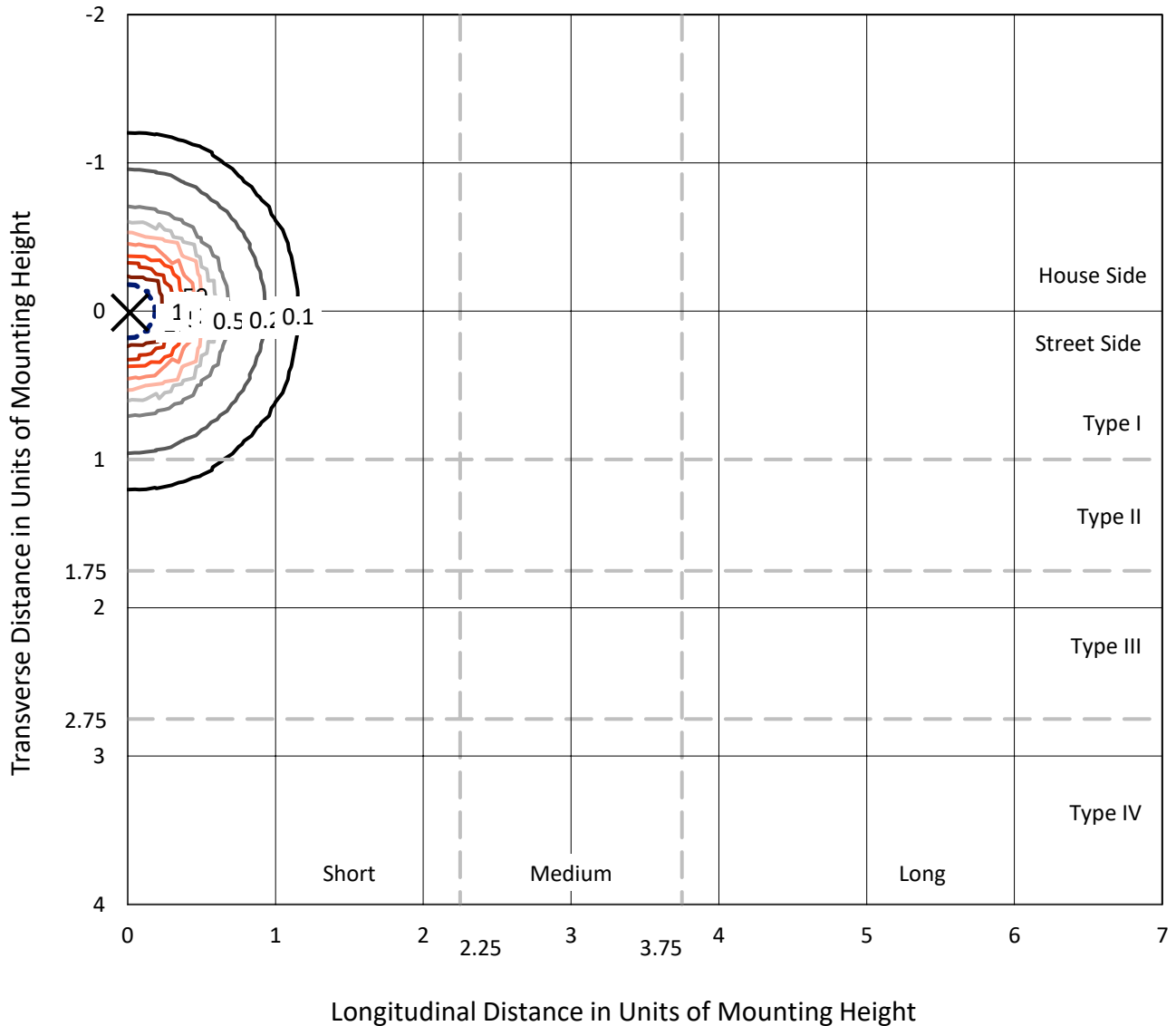
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

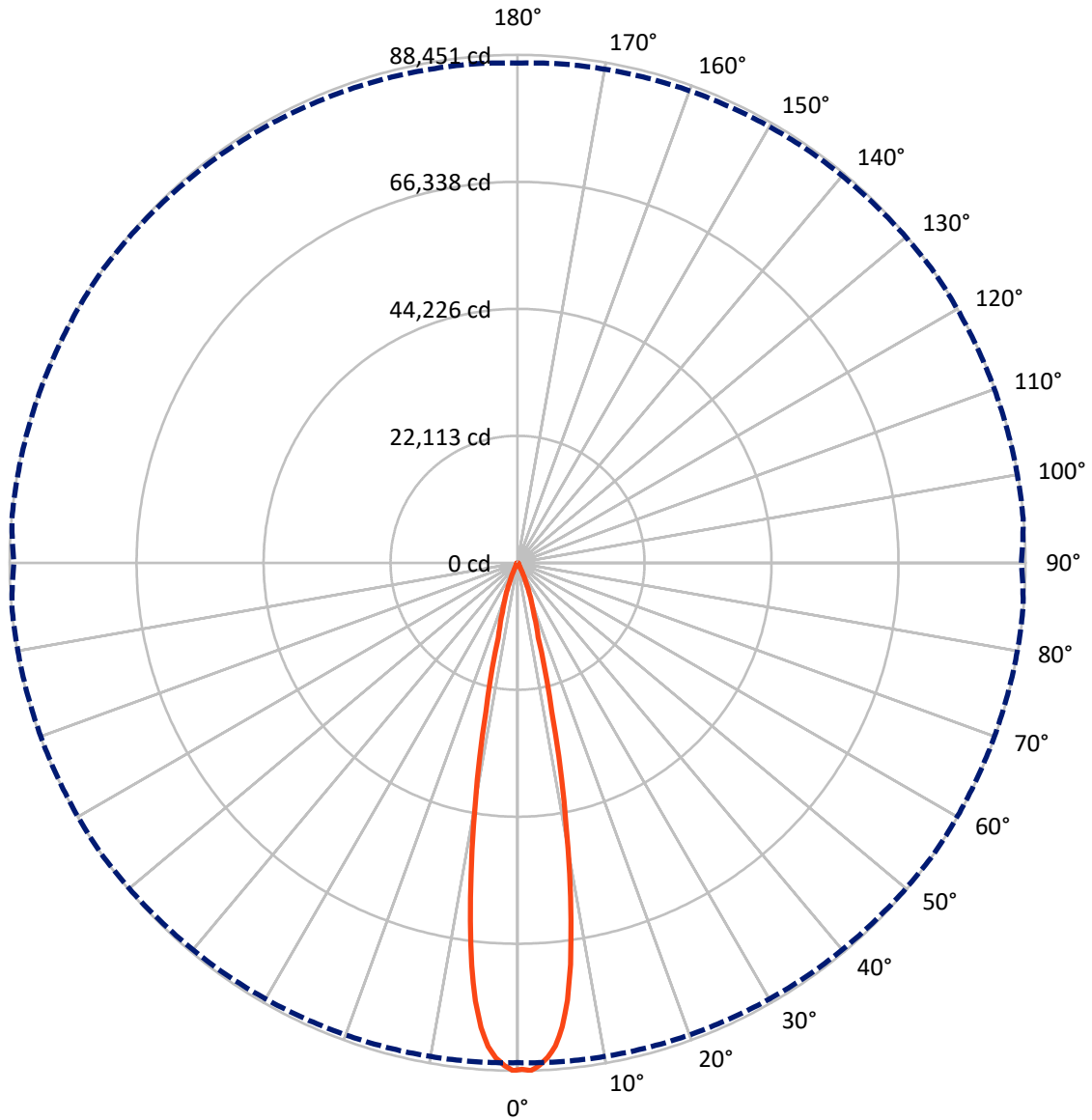
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 220.6 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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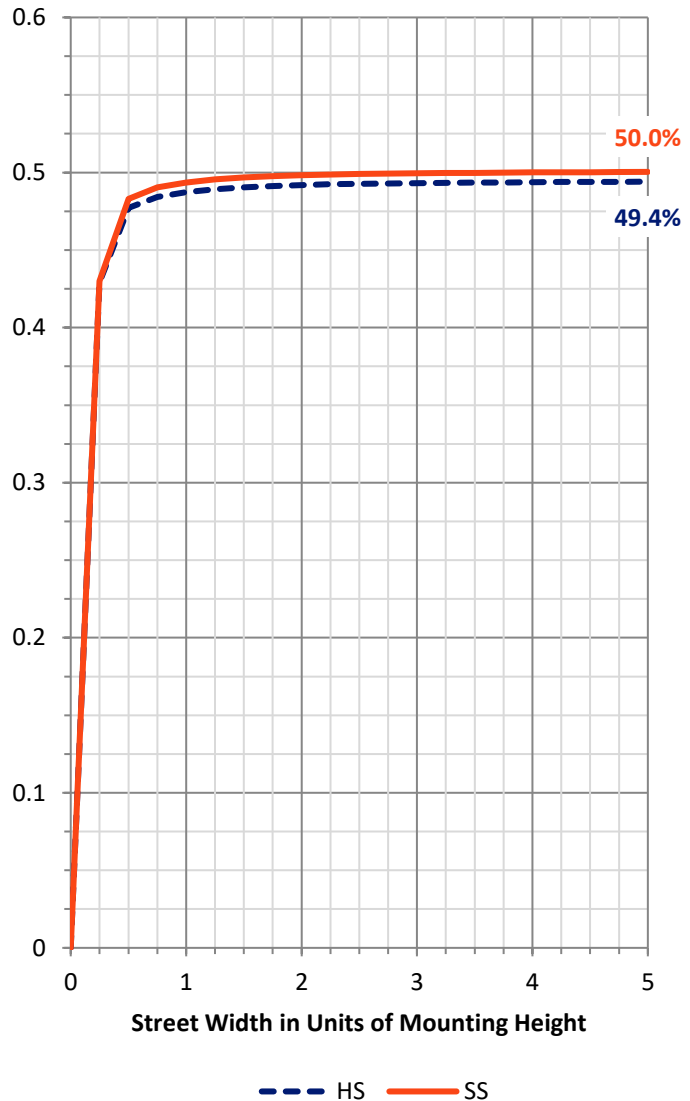
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6416.6	0.0	6416.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6416.6	0.0	6416.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	12833.3	0.0	12833.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6520.3	50.8
10°-20°	4621.0	36.0
20°-30°	1082.8	8.4
30°-40°	226.3	1.8
40°-50°	146.0	1.1
50°-60°	108.1	0.8
60°-70°	73.5	0.6
70°-80°	39.2	0.3
80°-90°	16.1	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°	12833.3	100.0
0°-180°	12833.3	100.0

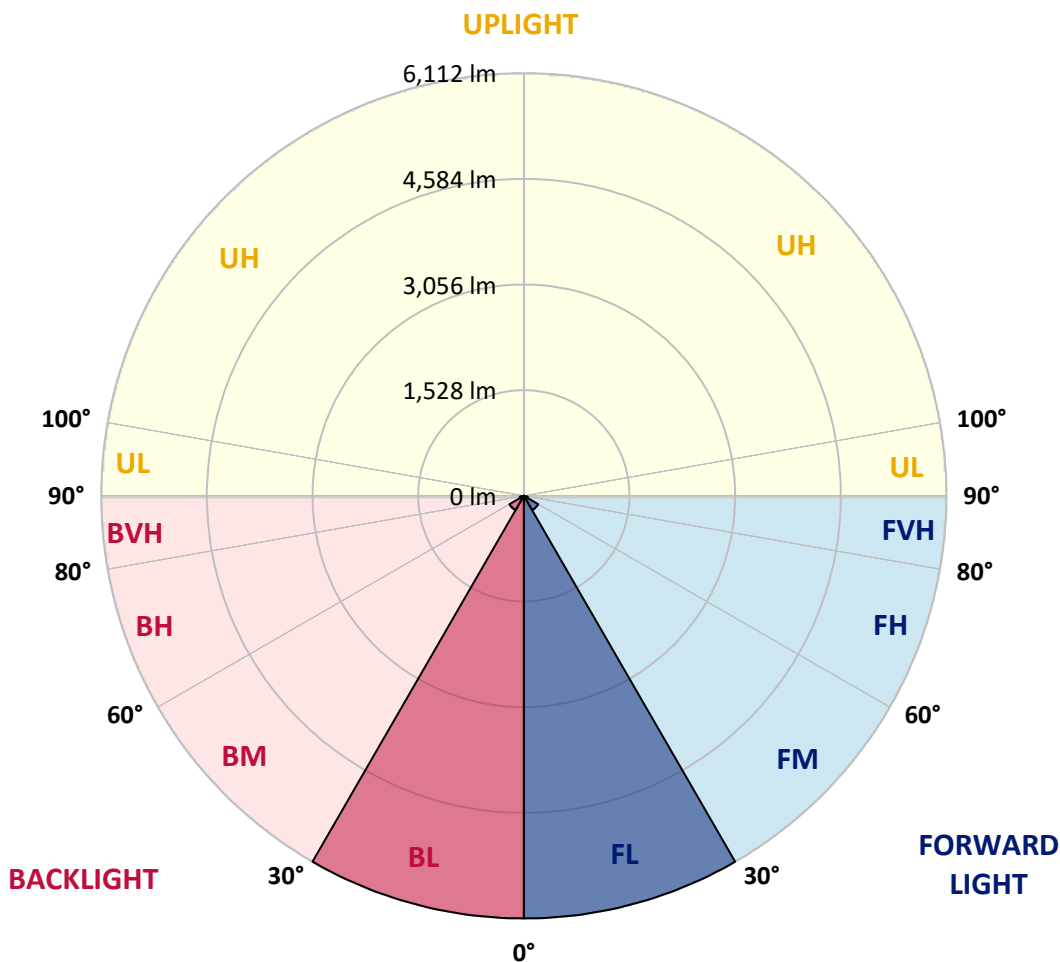


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6112.0	47.6			
FM (30°-60°)	240.2	1.9			
FH (60°-80°)	56.4	0.4			G0/660
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	6112.0	47.6	B5		
BM (30°-60°)	240.2	1.9	B1/1000		
BH (60°-80°)	56.4	0.4	B0/110		G0/660
BVH (80°-90°)	8.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	88224.1	88224.1	88224.1	88224.1	88224.1	88224.1	88224.1	88224.1	88224.1	88224.1
1°	87037.2	87198.3	87395.7	87575.0	87845.1	88065.3	88451.1	88369.4	88358.0	88373.9
2°	85350.9	85552.9	85857.0	86036.3	86733.0	87019.0	87602.3	87774.8	87636.3	87792.9
3°	82824.9	82990.5	83467.2	83818.9	84722.2	85493.9	86274.6	86533.3	86372.2	86444.8
4°	79817.7	79987.9	80564.4	81281.6	82586.6	83442.2	84377.2	84608.7	84082.2	84118.5
5°	76238.6	76318.1	77023.9	77677.5	79239.0	80276.2	81163.6	81236.2	80755.0	80571.2
6°	72212.5	72069.5	72718.6	72995.5	74935.9	75993.5	76642.6	76558.7	76193.3	76036.7
7°	67428.3	67233.1	67757.3	67607.6	69325.6	69929.3	70553.4	70267.5	69977.0	70337.8
8°	61892.8	61783.9	61445.7	62058.5	62398.9	62939.1	62936.8	62771.1	62762.1	63363.5
9°	53845.0	54850.4	54553.1	55195.4	55109.2	55084.2	54918.5	54811.8	54357.9	55050.1
10°	45007.4	45665.6	46167.1	47124.9	46938.8	47202.1	46280.6	46437.2	46135.4	46707.3
12.5°	23296.9	24036.8	24470.3	25201.1	26004.5	26826.1	26560.5	26285.9	25875.1	26379.0
15°	11468.0	11760.8	11899.2	12641.4	13213.3	13419.8	13451.6	13208.8	13104.4	13213.3
17.5°	7037.9	7140.0	7541.7	8395.1	8889.8	9012.4	8932.9	8667.4	8370.1	8245.3
20°	5095.1	5124.6	5276.7	5442.4	6102.8	6447.8	6320.7	6059.7	5785.1	5655.7
22.5°	3327.2	3356.7	3406.6	3497.4	3674.4	4101.1	3962.6	3785.6	3599.5	3560.9
25°	1883.7	1883.7	1935.9	2029.0	2160.6	2192.4	2219.6	2031.2	1945.0	1906.4
27.5°	1050.8	1057.6	1069.0	1105.3	1171.1	1164.3	1134.8	1084.8	1025.8	964.6
30°	581.0	587.8	594.6	603.7	615.0	594.6	576.5	567.4	542.4	535.6
32.5°	435.8	435.8	440.3	438.0	426.7	401.7	390.4	404.0	401.7	390.4
35°	358.6	358.6	363.1	372.2	349.5	331.4	322.3	340.4	340.4	333.6
37.5°	292.8	295.0	297.3	308.7	301.8	281.4	279.2	283.7	286.0	283.7
40°	256.5	254.2	254.2	256.5	251.9	247.4	242.8	240.6	242.8	240.6
42.5°	222.4	220.1	224.7	220.1	211.1	213.3	213.3	206.5	208.8	204.3
45°	195.2	192.9	195.2	190.6	183.8	186.1	186.1	177.0	177.0	174.8
47.5°	172.5	172.5	172.5	174.8	163.4	161.1	163.4	161.1	154.3	152.1
50°	149.8	152.1	154.3	158.9	147.5	143.0	143.0	143.0	138.4	136.2
52.5°	138.4	140.7	140.7	140.7	133.9	129.4	129.4	127.1	124.8	122.6
55°	133.9	133.9	133.9	124.8	122.6	120.3	113.5	111.2	108.9	108.9
57.5°	127.1	127.1	124.8	118.0	111.2	111.2	102.1	99.9	97.6	97.6
60°	113.5	113.5	113.5	111.2	102.1	99.9	90.8	86.2	84.0	84.0
62.5°	104.4	104.4	104.4	95.3	93.1	86.2	79.4	72.6	70.4	65.8
65°	95.3	95.3	95.3	86.2	81.7	74.9	65.8	59.0	54.5	47.7
67.5°	88.5	88.5	86.2	79.4	72.6	63.5	54.5	47.7	38.6	34.0
70°	77.2	77.2	74.9	70.4	63.5	56.7	45.4	36.3	29.5	22.7
72.5°	65.8	65.8	63.5	59.0	54.5	47.7	38.6	31.8	20.4	15.9
75°	54.5	54.5	52.2	47.7	45.4	40.9	34.0	25.0	15.9	6.8
77.5°	45.4	45.4	43.1	40.9	38.6	34.0	29.5	20.4	11.3	4.5
80°	34.0	36.3	36.3	36.3	31.8	29.5	27.2	20.4	9.1	2.3
82.5°	25.0	27.2	27.2	27.2	25.0	22.7	25.0	18.2	9.1	2.3
85°	18.2	18.2	20.4	20.4	20.4	20.4	27.2	20.4	6.8	2.3
87.5°	9.1	9.1	9.1	9.1	9.1	11.3	13.6	11.3	4.5	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°
88224.1
87740.7
87198.3
85900.1
83578.4
80187.7
75684.9
70226.6
61695.4
53758.8
45241.2
25015.0
12704.9
8070.5
5555.9
3481.5
1874.6
966.8
535.6
383.6
331.4
283.7
242.8
206.5
174.8
152.1
133.9
120.3
106.7
97.6
81.7
61.3
47.7
31.8
22.7
13.6
6.8
2.3
2.3
2.3
2.3
0.0
0.0

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