

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: P636213

Luminaire Tested: **IFLD-L-SA8C-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636213
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-935-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32193.3 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

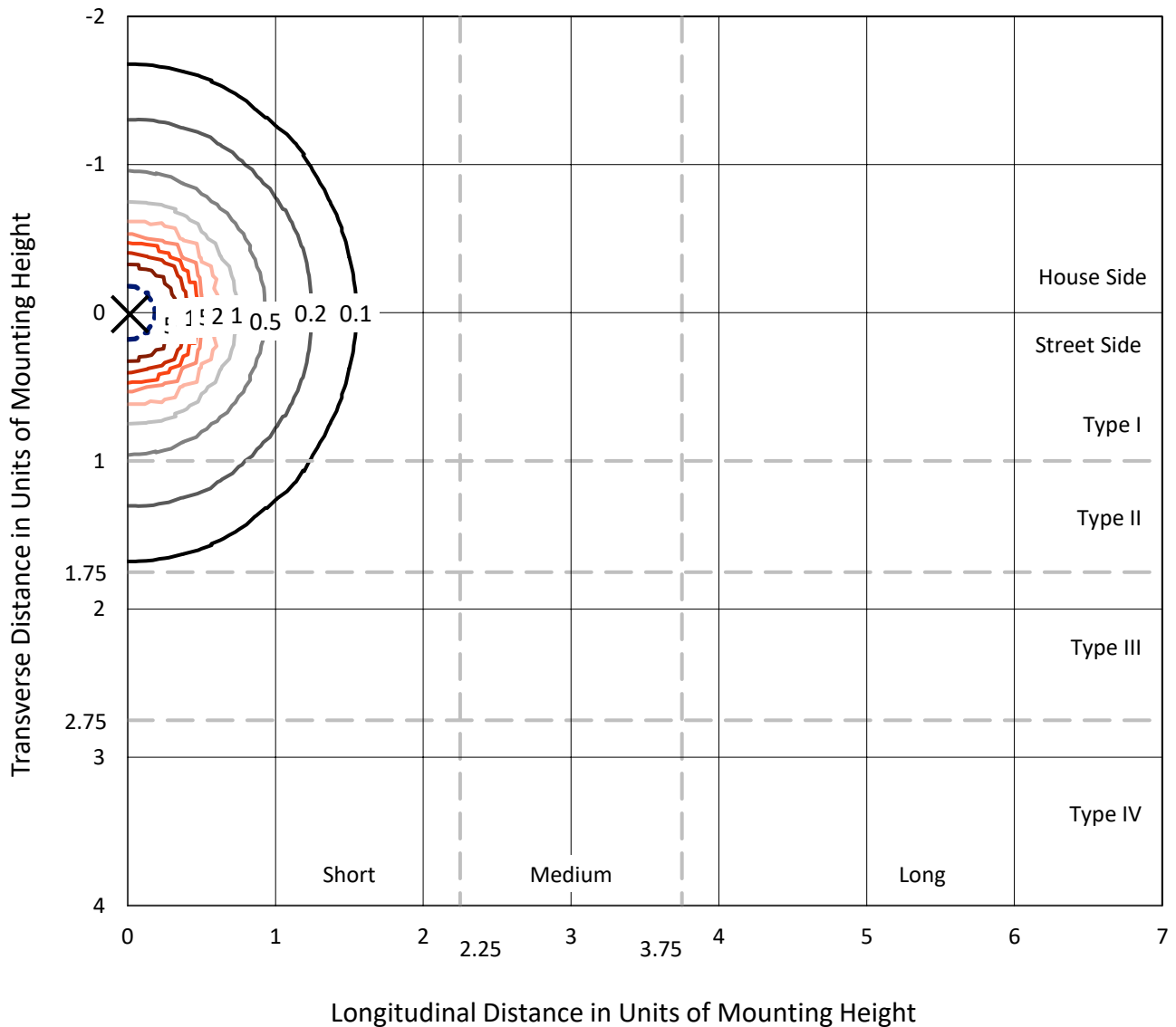
Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

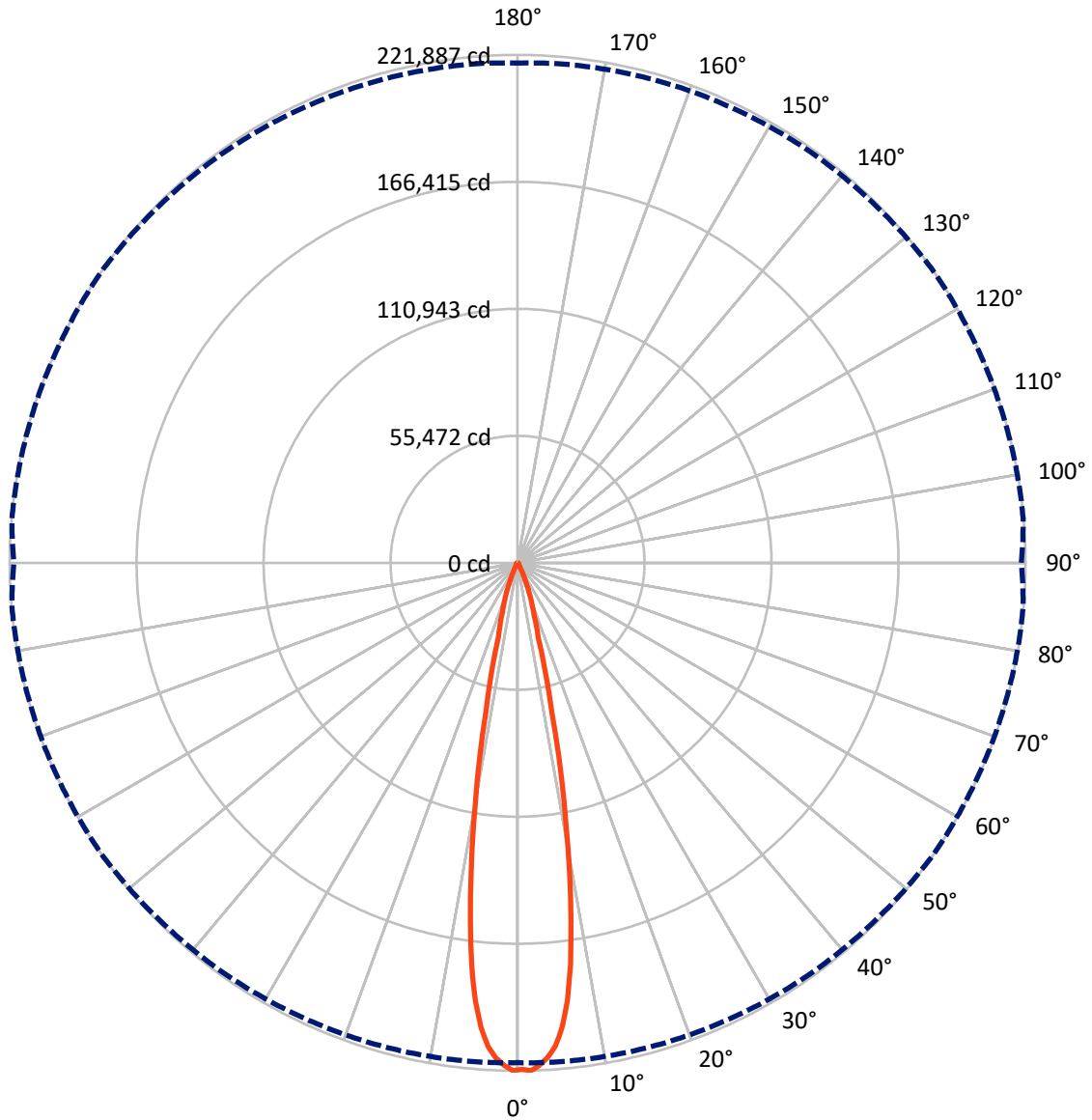
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 553.3 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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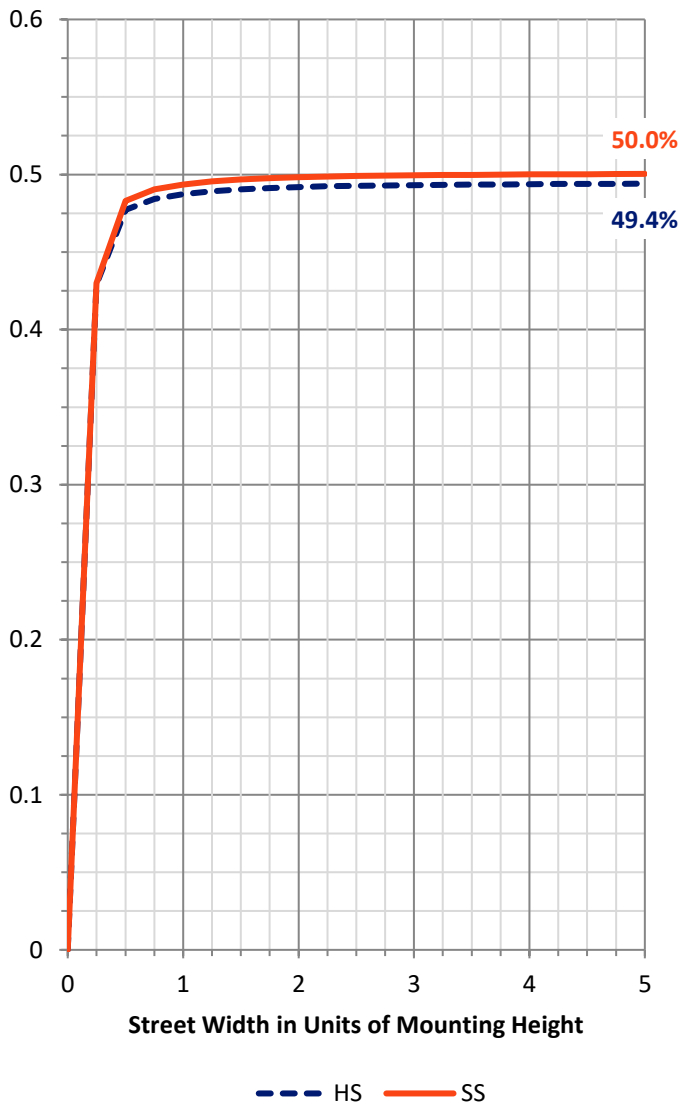
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16096.7	0.0	16096.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16096.7	0.0	16096.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	32193.3	0.0	32193.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16356.6	50.8
10°-20°	11592.1	36.0
20°-30°	2716.2	8.4
30°-40°	567.7	1.8
40°-50°	366.3	1.1
50°-60°	271.3	0.8
60°-70°	184.4	0.6
70°-80°	98.4	0.3
80°-90°	40.3	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°	32193.3	100.0
0°-180°	32193.3	100.0

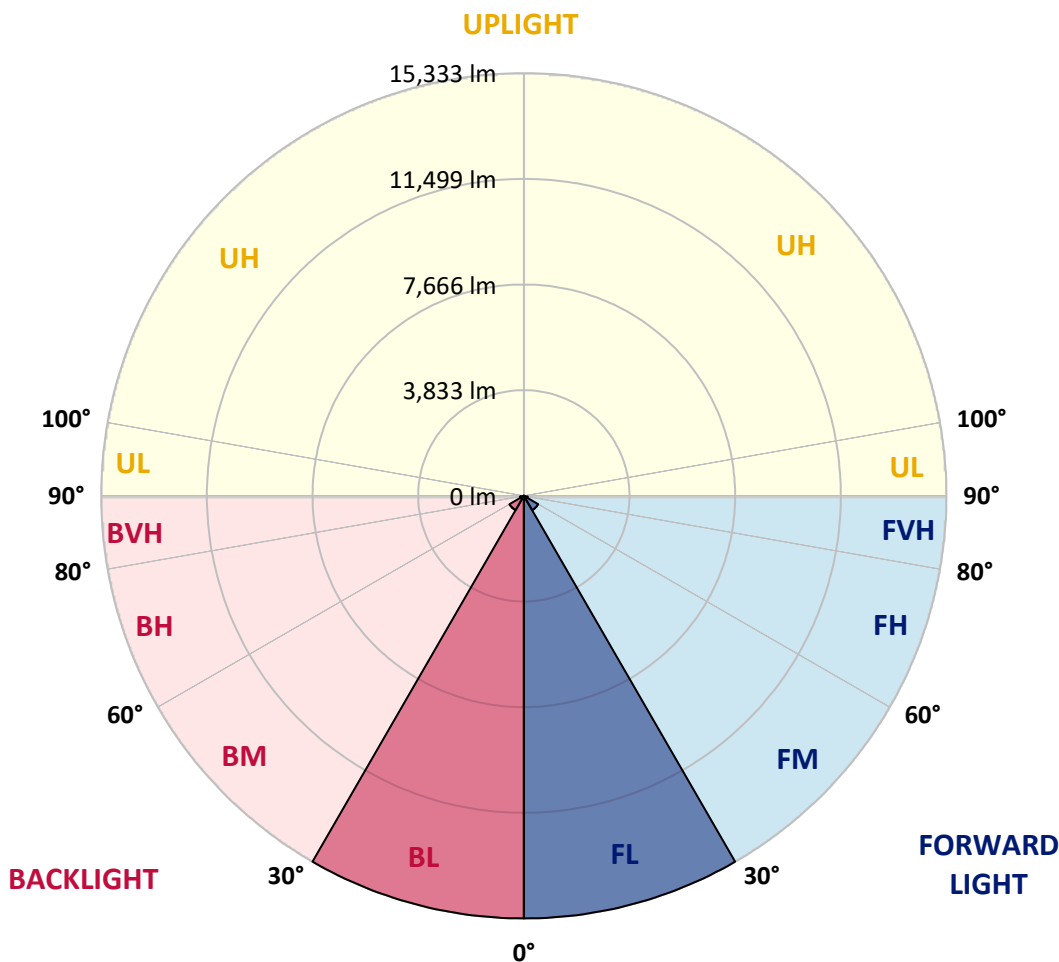


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15332.5	47.6			
FM (30°-60°)	602.6	1.9			
FH (60°-80°)	141.4	0.4			G0/660
FVH (80°-90°)	20.2	0.1			G1/100
BL (0°-30°)	15332.5	47.6	B5		
BM (30°-60°)	602.6	1.9	B1/1000		
BH (60°-80°)	141.4	0.4	B1/500		G0/660
BVH (80°-90°)	20.2	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°	221317.5	221317.5	221317.5	221317.5	221317.5	221317.5	221317.5	221317.5	221317.5	221317.5
1°	218339.9	218744.2	219239.5	219689.3	220366.8	220919.0	221886.9	221681.9	221653.5	221693.3
2°	214109.8	214616.5	215379.4	215829.2	217577.0	218294.4	219757.6	220190.3	219843.0	220235.8
3°	207773.1	208188.7	209384.3	210266.8	212532.7	214468.5	216427.0	217076.0	216671.8	216854.0
4°	200229.4	200656.4	202102.5	203901.6	207175.3	209321.7	211667.3	212248.0	210927.2	211018.3
5°	191251.0	191450.2	193220.9	194860.6	198777.6	201379.4	203605.5	203787.7	202580.7	202119.6
6°	181151.0	180792.3	182420.6	183115.2	187983.0	190636.1	192264.4	192053.7	191137.1	190744.3
7°	169149.4	168659.8	169974.9	169599.2	173909.0	175423.5	176989.1	176271.8	175543.0	176448.3
8°	155263.3	154990.0	154141.7	155678.9	156532.9	157887.9	157882.3	157466.6	157443.9	158952.6
9°	135074.7	137596.9	136851.0	138462.2	138245.9	138183.3	137767.7	137500.1	136361.4	138097.9
10°	112904.8	114555.9	115814.1	118216.7	117749.8	118410.3	116098.8	116491.6	115734.4	117169.1
12.5°	58442.2	60298.3	61385.7	63218.9	65234.4	67295.4	66629.3	65940.4	64909.9	66173.8
15°	28768.5	29502.9	29850.2	31712.0	33146.7	33664.8	33744.5	33135.3	32873.4	33146.7
17.5°	17655.1	17911.3	18919.0	21059.7	22300.8	22608.3	22409.0	21742.9	20997.1	20683.9
20°	12781.6	12855.6	13237.0	13652.7	15309.4	16174.8	15856.0	15201.2	14512.3	14187.8
22.5°	8346.4	8420.5	8545.7	8773.5	9217.5	10287.9	9940.6	9496.5	9029.7	8932.9
25°	4725.5	4725.5	4856.4	5089.9	5420.1	5499.8	5568.1	5095.5	4879.2	4782.4
27.5°	2636.0	2653.1	2681.6	2772.7	2937.8	2920.7	2846.7	2721.4	2573.4	2419.7
30°	1457.5	1474.6	1491.7	1514.4	1542.9	1491.7	1446.1	1423.3	1360.7	1343.6
32.5°	1093.1	1093.1	1104.5	1098.8	1070.3	1007.7	979.3	1013.4	1007.7	979.3
35°	899.5	899.5	910.9	933.7	876.8	831.2	808.5	854.0	854.0	836.9
37.5°	734.4	740.1	745.8	774.3	757.2	706.0	700.3	711.7	717.4	711.7
40°	643.3	637.7	637.7	643.3	632.0	620.6	609.2	603.5	609.2	603.5
42.5°	557.9	552.3	563.6	552.3	529.5	535.2	535.2	518.1	523.8	512.4
45°	489.6	483.9	489.6	478.2	461.2	466.9	466.9	444.1	444.1	438.4
47.5°	432.7	432.7	432.7	438.4	409.9	404.2	409.9	404.2	387.1	381.5
50°	375.8	381.5	387.1	398.5	370.1	358.7	358.7	358.7	347.3	341.6
52.5°	347.3	353.0	353.0	353.0	335.9	324.5	324.5	318.8	313.1	307.4
55°	335.9	335.9	335.9	313.1	307.4	301.7	284.7	279.0	273.3	273.3
57.5°	318.8	318.8	313.1	296.1	279.0	279.0	256.2	250.5	244.8	244.8
60°	284.7	284.7	284.7	279.0	256.2	250.5	227.7	216.3	210.7	210.7
62.5°	261.9	261.9	261.9	239.1	233.4	216.3	199.3	182.2	176.5	165.1
65°	239.1	239.1	239.1	216.3	205.0	187.9	165.1	148.0	136.6	119.6
67.5°	222.0	222.0	216.3	199.3	182.2	159.4	136.6	119.6	96.8	85.4
70°	193.6	193.6	187.9	176.5	159.4	142.3	113.9	91.1	74.0	56.9
72.5°	165.1	165.1	159.4	148.0	136.6	119.6	96.8	79.7	51.2	39.9
75°	136.6	136.6	130.9	119.6	113.9	102.5	85.4	62.6	39.9	17.1
77.5°	113.9	113.9	108.2	102.5	96.8	85.4	74.0	51.2	28.5	11.4
80°	85.4	91.1	91.1	91.1	79.7	74.0	68.3	51.2	22.8	5.7
82.5°	62.6	68.3	68.3	68.3	62.6	56.9	62.6	45.5	22.8	5.7
85°	45.5	45.5	51.2	51.2	51.2	51.2	68.3	51.2	17.1	5.7
87.5°	22.8	22.8	22.8	22.8	22.8	28.5	34.2	28.5	11.4	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°
221317.5
220104.9
218744.2
215487.6
209663.3
201157.4
189861.8
176169.3
154768.0
134858.4
113491.2
62752.1
31871.4
20245.5
13937.3
8733.6
4702.7
2425.4
1343.6
962.2
831.2
711.7
609.2
518.1
438.4
381.5
335.9
301.7
267.6
244.8
205.0
153.7
119.6
79.7
56.9
34.2
17.1
5.7
5.7
5.7
5.7
0.0
0.0

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