

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: P636038

Luminaire Tested: **IFLD-L-SA8B-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636038
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24750.5 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

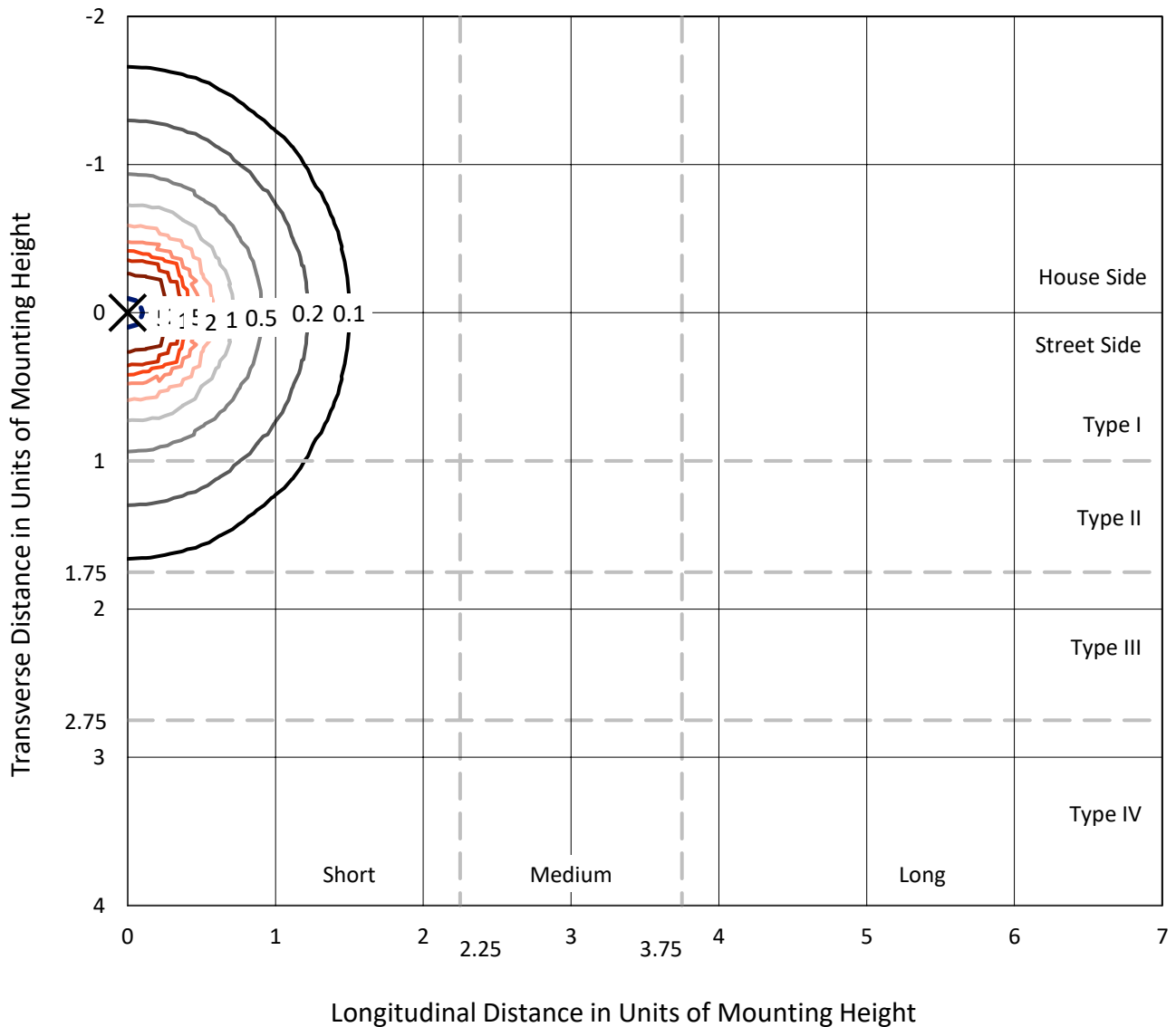
Input Watts (W): 320
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

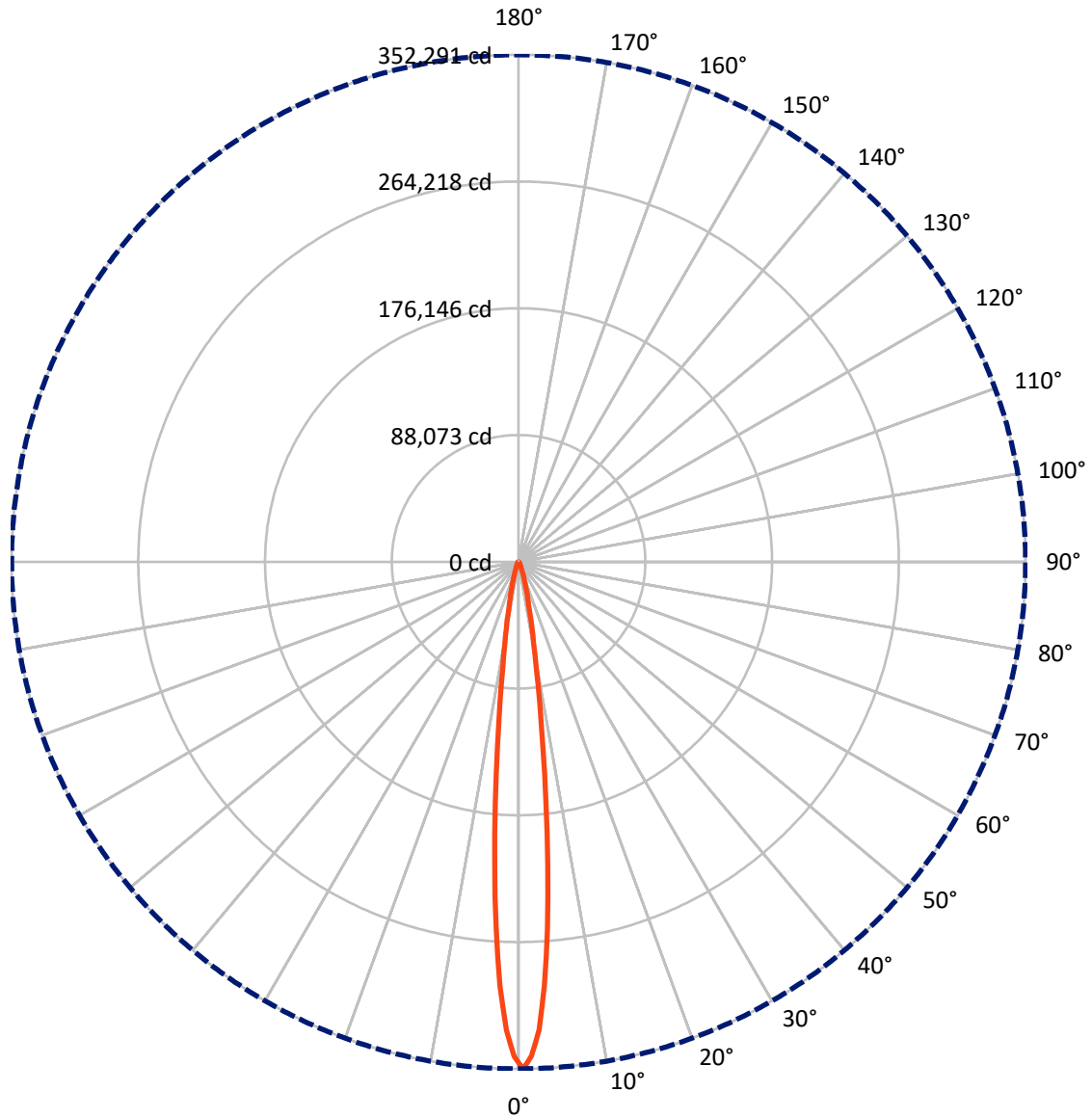
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 880.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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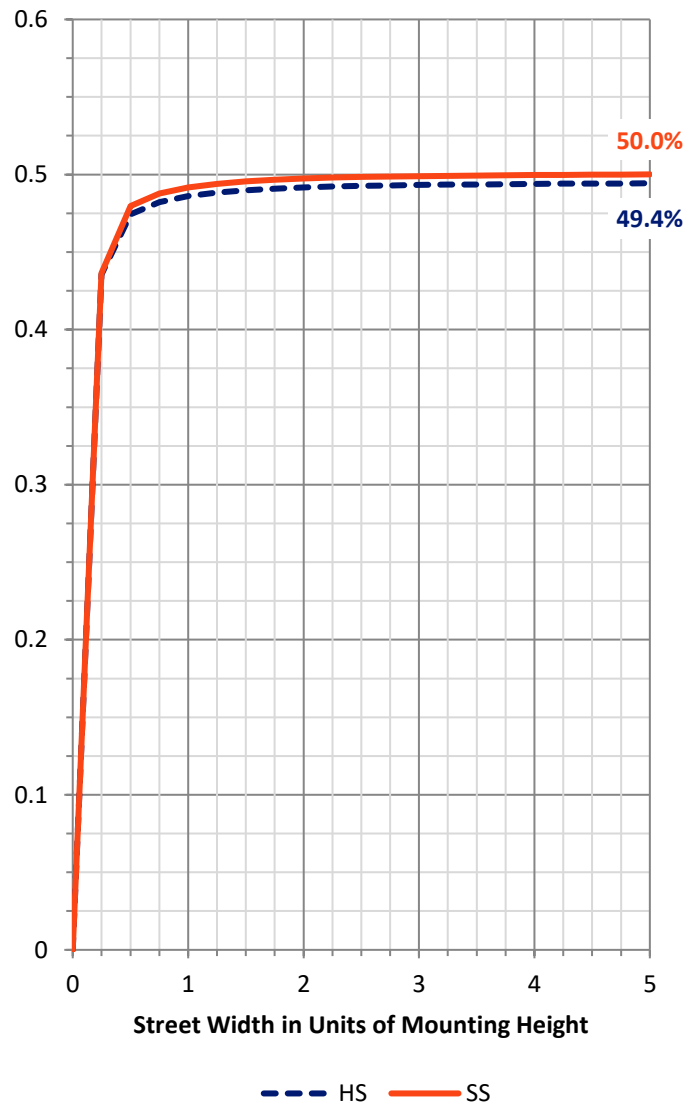
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12375.2	0.0	12375.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12375.2	0.0	12375.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	24750.5	0.0	24750.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15087.4	61.0
10°-20°	6759.3	27.3
20°-30°	1509.5	6.1
30°-40°	492.7	2.0
40°-50°	339.8	1.4
50°-60°	256.7	1.0
60°-70°	175.7	0.7
70°-80°	92.5	0.4
80°-90°	36.9	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°	24750.5	100.0
0°-180°	24750.5	100.0

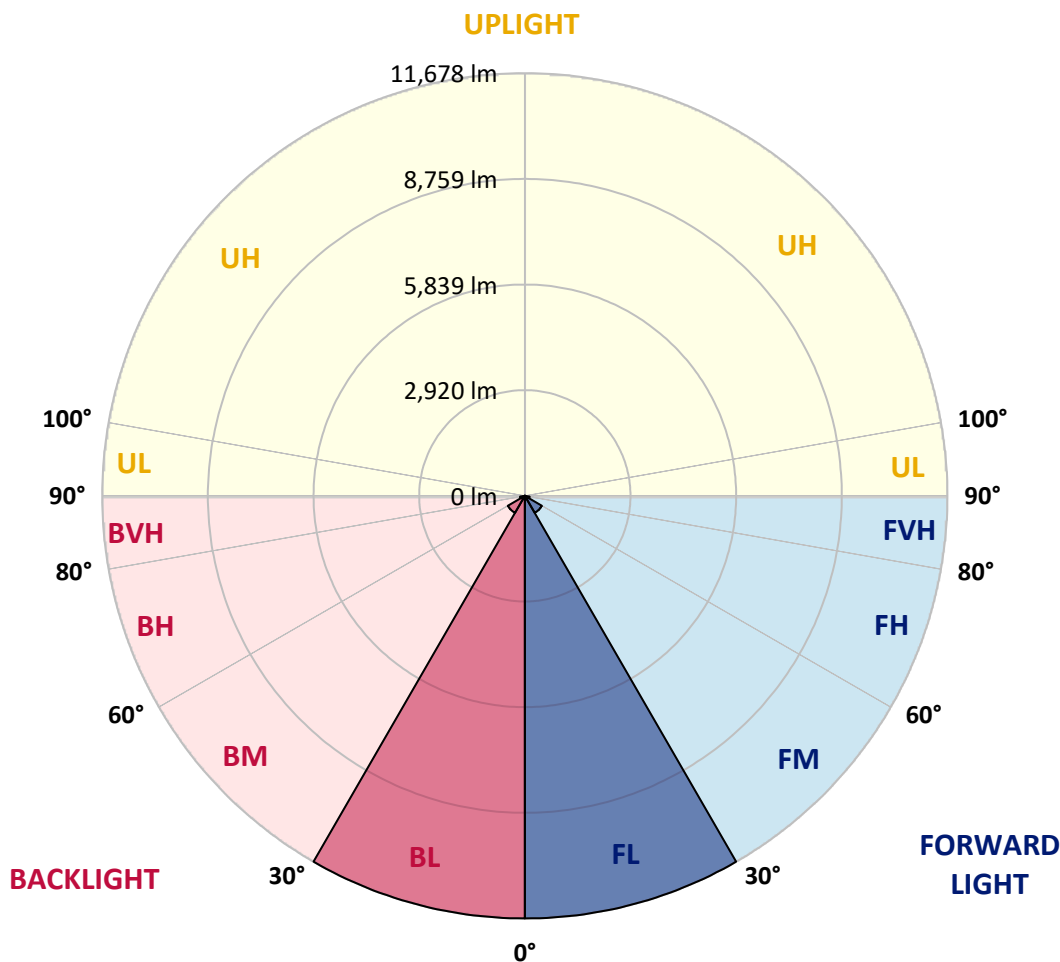


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11678.1	47.2			
FM (30°-60°)	544.6	2.2			
FH (60°-80°)	134.1	0.5			G0/660
FVH (80°-90°)	18.5	0.1			G1/100
BL (0°-30°)	11678.1	47.2	B5		
BM (30°-60°)	544.6	2.2	B1/1000		
BH (60°-80°)	134.1	0.5	B1/500		G0/660
BVH (80°-90°)	18.5	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°	352291.1	352291.1	352291.1	352291.1	352291.1	352291.1	352291.1	352291.1	352291.1	352291.1
1°	343544.5	344011.8	343491.6	346119.1	347203.6	347767.9	347834.0	349315.3	348173.5	348490.9
2°	325438.6	326479.0	324737.7	326421.7	329789.8	331063.9	328987.5	331553.3	330636.3	331169.7
3°	295015.3	296289.3	293882.3	295941.1	300274.7	301244.5	297841.1	301487.0	301394.4	302161.5
4°	255801.3	257868.9	254430.2	256868.1	258785.9	262162.8	258865.2	263013.7	262934.3	264265.7
5°	211288.2	213523.4	210534.4	213064.9	214881.2	216137.6	214929.7	219519.0	219809.9	221185.4
6°	167731.8	169817.1	166479.8	168895.7	171774.5	172290.3	171977.2	175927.3	176804.6	175733.3
7°	129086.5	129606.7	129082.1	131277.6	133587.7	133671.4	134077.0	137550.9	138322.4	137952.1
8°	98861.6	96481.0	98526.5	99690.4	100404.6	103684.5	103927.0	105677.2	107096.7	107198.1
9°	75253.8	73049.6	75416.9	75879.8	77519.8	80433.9	80068.0	81981.3	82871.8	82814.5
10°	57372.8	56253.0	57438.9	57950.3	59299.3	61768.1	62195.7	63073.0	63734.3	64166.3
12.5°	31133.1	31393.2	32081.0	32618.8	34435.1	35092.0	35356.5	35431.5	35427.0	35497.6
15°	19340.3	19551.9	20032.4	21006.7	22113.2	22928.8	23043.5	22620.2	22254.3	22197.0
17.5°	12061.8	11978.0	13106.6	14173.5	15504.8	15928.1	15487.2	15002.3	14504.1	14217.6
20°	7238.8	7296.1	7679.7	8155.8	9231.5	9963.3	9504.8	9011.1	8495.3	8155.8
22.5°	4113.2	4174.9	4342.4	4589.3	4999.3	5665.0	5374.0	4875.8	4509.9	4360.0
25°	2429.1	2429.1	2530.5	2640.7	2812.7	2966.9	2905.2	2640.7	2424.7	2363.0
27.5°	1573.8	1560.6	1595.9	1648.8	1728.1	1737.0	1666.4	1587.1	1476.9	1437.2
30°	1150.6	1155.0	1150.6	1172.7	1168.3	1137.4	1093.3	1097.7	1053.6	1049.2
32.5°	934.6	939.0	939.0	934.6	912.6	864.1	833.2	864.1	855.3	846.4
35°	775.9	780.3	824.4	820.0	784.7	731.8	709.8	745.0	771.5	731.8
37.5°	670.1	674.5	709.8	727.4	683.3	648.1	621.6	652.5	692.1	648.1
40°	590.7	595.2	604.0	608.4	586.3	568.7	555.5	564.3	581.9	559.9
42.5°	520.2	515.8	520.2	515.8	489.3	498.2	489.3	476.1	489.3	471.7
45°	454.1	454.1	454.1	440.9	414.4	432.0	423.2	410.0	414.4	401.2
47.5°	414.4	414.4	414.4	396.8	374.7	374.7	379.1	357.1	361.5	357.1
50°	374.7	374.7	383.5	365.9	348.3	335.0	339.5	321.8	326.2	321.8
52.5°	343.9	343.9	343.9	335.0	321.8	313.0	304.2	295.4	291.0	286.6
55°	330.6	330.6	326.2	299.8	295.4	286.6	268.9	264.5	255.7	251.3
57.5°	308.6	308.6	304.2	282.1	264.5	264.5	238.1	233.7	220.4	220.4
60°	273.3	273.3	268.9	264.5	242.5	229.2	211.6	202.8	189.6	185.2
62.5°	260.1	260.1	251.3	229.2	224.8	202.8	185.2	167.5	158.7	149.9
65°	242.5	238.1	233.7	211.6	194.0	180.8	158.7	136.7	127.8	110.2
67.5°	216.0	216.0	211.6	194.0	176.3	154.3	132.3	114.6	92.6	79.4
70°	189.6	185.2	185.2	167.5	154.3	136.7	105.8	88.2	66.1	52.9
72.5°	158.7	158.7	154.3	141.1	132.3	119.0	92.6	70.5	44.1	35.3
75°	127.8	127.8	123.4	114.6	110.2	97.0	79.4	61.7	35.3	17.6
77.5°	105.8	101.4	101.4	92.6	88.2	79.4	66.1	48.5	26.5	13.2
80°	79.4	79.4	83.8	79.4	70.5	66.1	57.3	44.1	22.0	8.8
82.5°	57.3	57.3	61.7	61.7	61.7	57.3	57.3	44.1	22.0	4.4
85°	39.7	39.7	48.5	44.1	44.1	48.5	70.5	57.3	17.6	4.4
87.5°	22.0	22.0	22.0	17.6	17.6	22.0	26.5	22.0	8.8	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

- 352291.1
- 346158.8
- 329265.2
- 300102.7
- 261929.2
- 218557.9
- 175843.5
- 137445.1
- 105919.6
- 84163.5
- 64422.0
- 35554.9
- 22020.7
- 14173.5
- 8230.7
- 4377.7
- 2354.2
- 1437.2
- 1044.8
- 828.8
- 723.0
- 643.6
- 551.1
- 471.7
- 401.2
- 357.1
- 321.8
- 286.6
- 246.9
- 220.4
- 176.3
- 145.5
- 105.8
- 79.4
- 52.9
- 30.9
- 17.6
- 8.8
- 4.4
- 4.4
- 4.4
- 4.4
- 0.0

OF REPORT)