

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: P636241

Luminaire Tested: **IFLD-L-SA8B-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636241
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-940-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28143.4 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

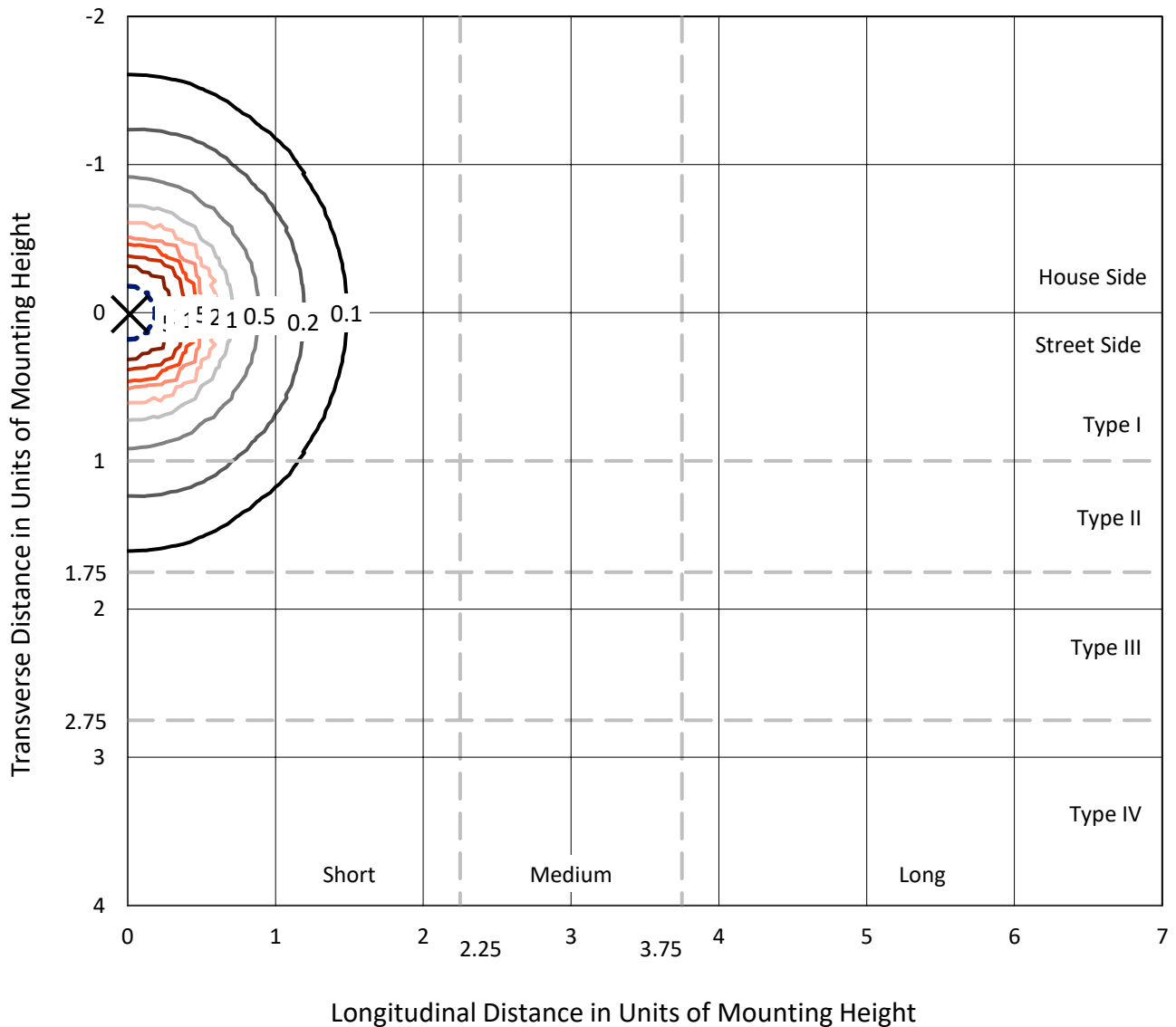
Input Watts (W): 320
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

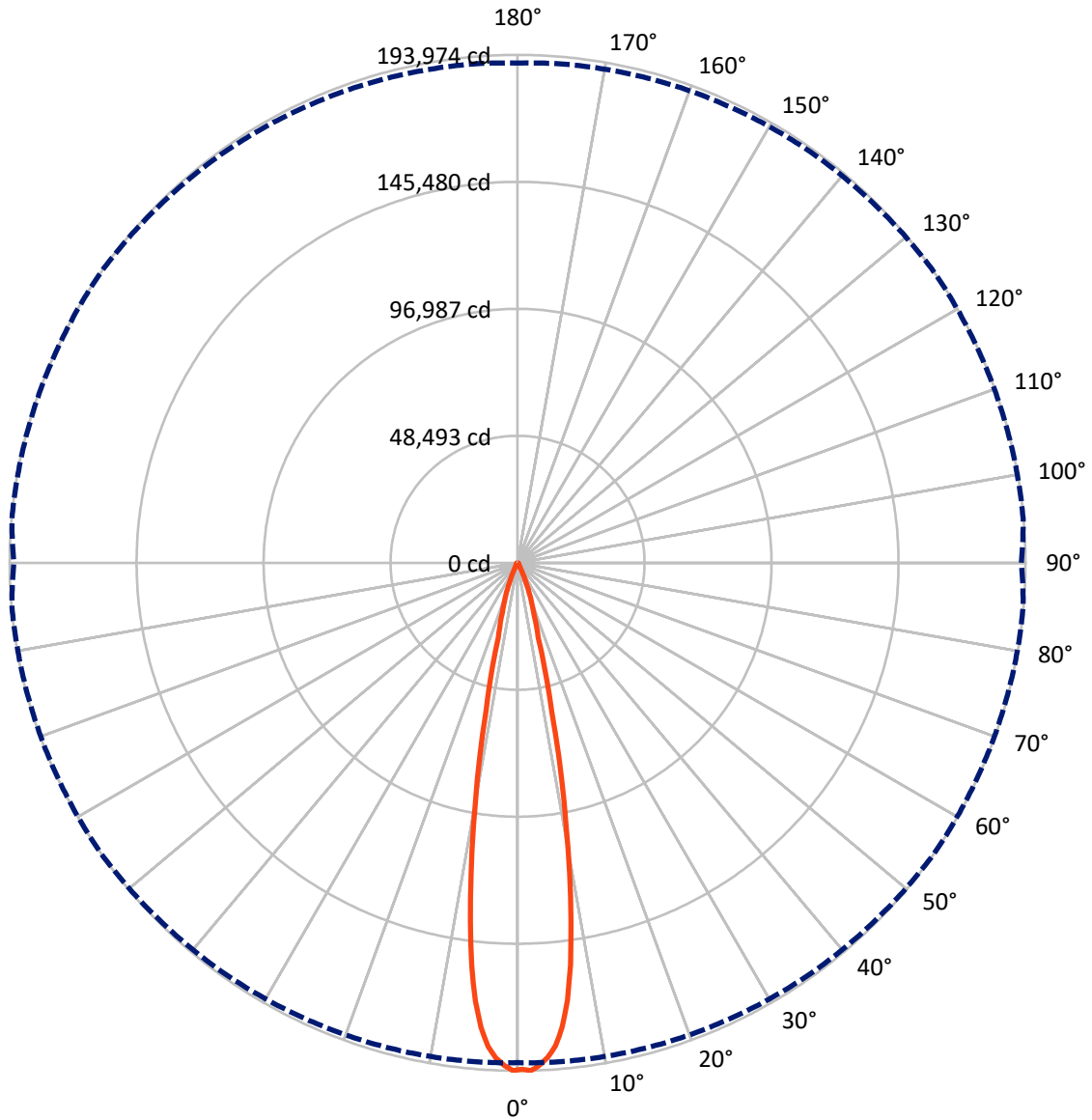
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 483.7 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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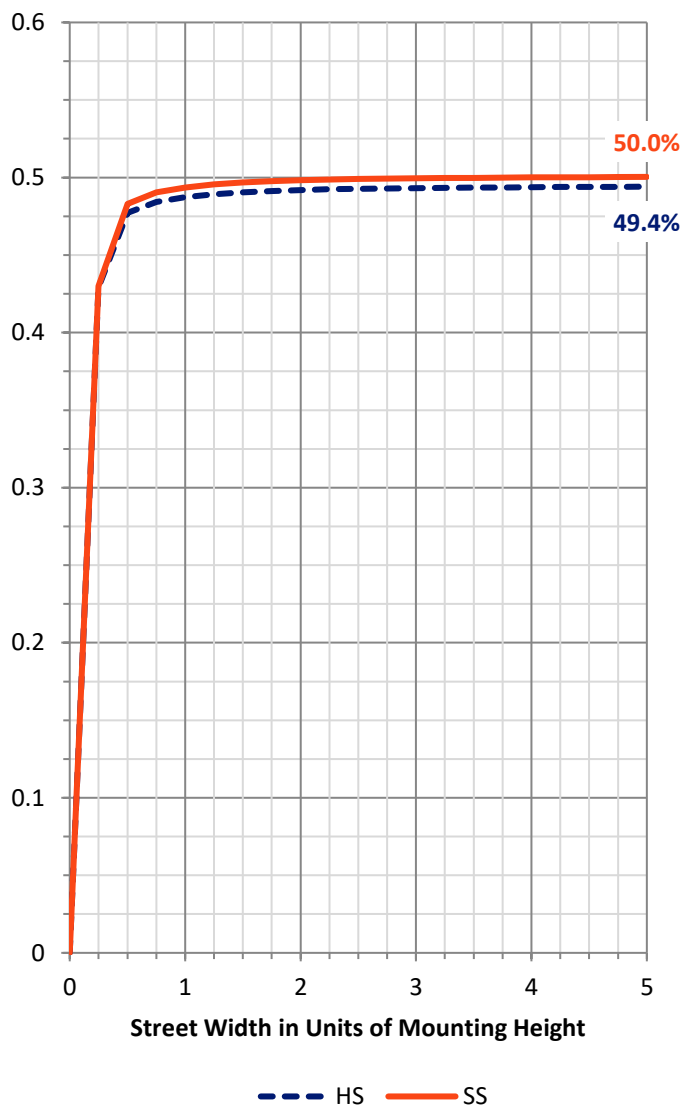
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14071.7	0.0	14071.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14071.7	0.0	14071.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	28143.4	0.0	28143.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14299.0	50.8
10°-20°	10133.8	36.0
20°-30°	2374.5	8.4
30°-40°	496.3	1.8
40°-50°	320.2	1.1
50°-60°	237.1	0.8
60°-70°	161.2	0.6
70°-80°	86.0	0.3
80°-90°	35.2	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°	28143.4	100.0
0°-180°	28143.4	100.0

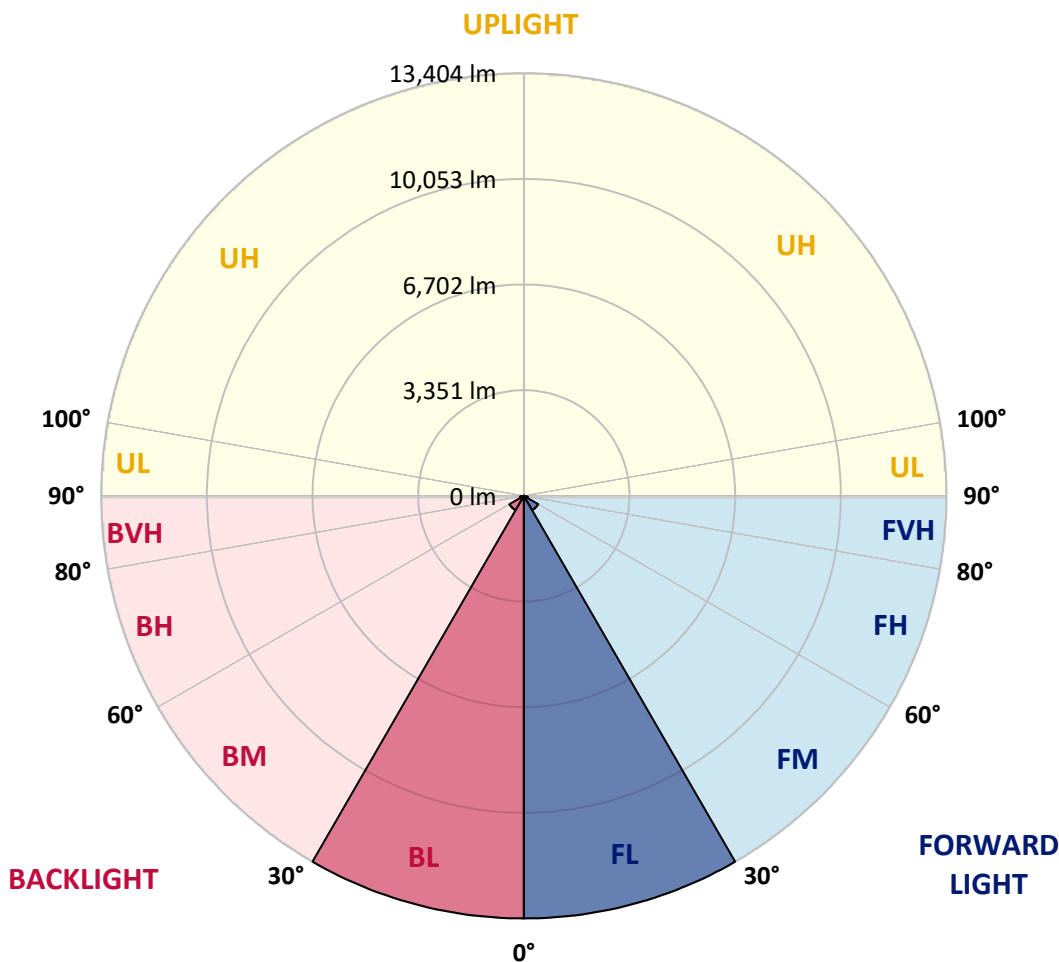


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13403.7	47.6			
FM (30°-60°)	526.8	1.9			
FH (60°-80°)	123.6	0.4			G0/660
FVH (80°-90°)	17.6	0.1			G1/100
BL (0°-30°)	13403.7	47.6	B5		
BM (30°-60°)	526.8	1.9	B1/1000		
BH (60°-80°)	123.6	0.4	B1/500		G0/660
BVH (80°-90°)	17.6	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°	193475.9	193475.9	193475.9	193475.9	193475.9	193475.9	193475.9	193475.9	193475.9	193475.9
1°	190872.8	191226.2	191659.2	192052.4	192644.7	193127.5	193973.6	193794.4	193769.5	193804.4
2°	187174.8	187617.8	188284.7	188677.9	190205.9	190833.0	192112.1	192490.4	192186.8	192530.2
3°	181635.3	181998.6	183043.8	183815.3	185796.2	187488.4	189200.5	189767.9	189414.5	189573.8
4°	175040.6	175413.9	176678.1	178250.8	181112.7	182989.1	185039.6	185547.3	184392.6	184472.3
5°	167191.7	167365.9	168913.8	170347.2	173771.4	176046.0	177992.0	178151.3	177096.2	176693.0
6°	158362.2	158048.7	159472.1	160079.4	164334.8	166654.1	168077.6	167893.4	167092.1	166748.7
7°	147870.5	147442.4	148592.1	148263.7	152031.3	153355.3	154724.0	154096.8	153459.8	154251.1
8°	135731.2	135492.3	134750.8	136094.6	136841.1	138025.7	138020.7	137657.4	137637.5	138956.4
9°	118082.4	120287.2	119635.2	121043.7	120854.6	120799.9	120436.5	120202.6	119207.2	120725.2
10°	98701.4	100144.8	101244.7	103345.1	102937.0	103514.3	101493.6	101837.0	101175.0	102429.3
12.5°	51090.2	52712.8	53663.4	55266.0	57027.9	58829.6	58247.3	57645.1	56744.2	57849.2
15°	25149.4	25791.5	26095.1	27722.6	28976.8	29429.8	29499.4	28966.9	28737.9	28976.8
17.5°	15434.1	15658.0	16539.0	18410.4	19495.4	19764.2	19590.0	19007.7	18355.6	18081.9
20°	11173.7	11238.4	11571.8	11935.2	13383.5	14140.0	13861.3	13288.9	12686.7	12403.0
22.5°	7296.5	7361.2	7470.7	7669.8	8058.0	8993.7	8690.1	8301.8	7893.7	7809.1
25°	4131.0	4131.0	4245.5	4449.6	4738.2	4807.9	4867.6	4454.5	4265.4	4180.8
27.5°	2304.4	2319.3	2344.2	2423.9	2568.2	2553.3	2488.6	2379.1	2249.7	2115.3
30°	1274.1	1289.1	1304.0	1323.9	1348.8	1304.0	1264.2	1244.3	1189.5	1174.6
32.5°	955.6	955.6	965.6	960.6	935.7	881.0	856.1	885.9	881.0	856.1
35°	786.4	786.4	796.3	816.2	766.5	726.7	706.8	746.6	746.6	731.6
37.5°	642.0	647.0	652.0	676.9	662.0	617.2	612.2	622.1	627.1	622.1
40°	562.4	557.4	557.4	562.4	552.5	542.5	532.6	527.6	532.6	527.6
42.5°	487.8	482.8	492.7	482.8	462.9	467.8	467.8	452.9	457.9	447.9
45°	428.0	423.1	428.0	418.1	403.1	408.1	408.1	388.2	388.2	383.2
47.5°	378.3	378.3	378.3	383.2	358.4	353.4	358.4	353.4	338.4	333.5
50°	328.5	333.5	338.4	348.4	323.5	313.6	313.6	313.6	303.6	298.6
52.5°	303.6	308.6	308.6	308.6	293.7	283.7	283.7	278.7	273.7	268.8
55°	293.7	293.7	293.7	273.7	268.8	263.8	248.9	243.9	238.9	238.9
57.5°	278.7	278.7	273.7	258.8	243.9	243.9	224.0	219.0	214.0	214.0
60°	248.9	248.9	248.9	243.9	224.0	219.0	199.1	189.1	184.2	184.2
62.5°	228.9	228.9	228.9	209.0	204.1	189.1	174.2	159.3	154.3	144.3
65°	209.0	209.0	209.0	189.1	179.2	164.2	144.3	129.4	119.5	104.5
67.5°	194.1	194.1	189.1	174.2	159.3	139.4	119.5	104.5	84.6	74.7
70°	169.2	169.2	164.2	154.3	139.4	124.4	99.5	79.6	64.7	49.8
72.5°	144.3	144.3	139.4	129.4	119.5	104.5	84.6	69.7	44.8	34.8
75°	119.5	119.5	114.5	104.5	99.5	89.6	74.7	54.7	34.8	14.9
77.5°	99.5	99.5	94.6	89.6	84.6	74.7	64.7	44.8	24.9	10.0
80°	74.7	79.6	79.6	79.6	69.7	64.7	59.7	44.8	19.9	5.0
82.5°	54.7	59.7	59.7	59.7	54.7	49.8	54.7	39.8	19.9	5.0
85°	39.8	39.8	44.8	44.8	44.8	44.8	59.7	44.8	14.9	5.0
87.5°	19.9	19.9	19.9	19.9	19.9	24.9	29.9	24.9	10.0	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°
193475.9
192415.8
191226.2
188379.3
183287.7
175851.9
165977.3
154007.3
135298.2
117893.2
99214.1
54857.9
27862.0
17698.7
12184.0
7634.9
4111.1
2120.3
1174.6
841.1
726.7
622.1
532.6
452.9
383.2
333.5
293.7
263.8
233.9
214.0
179.2
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