

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: P636363

Luminaire Tested: **IFLD-S-SA2D-940-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636363
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-940-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (32) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10565.4 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

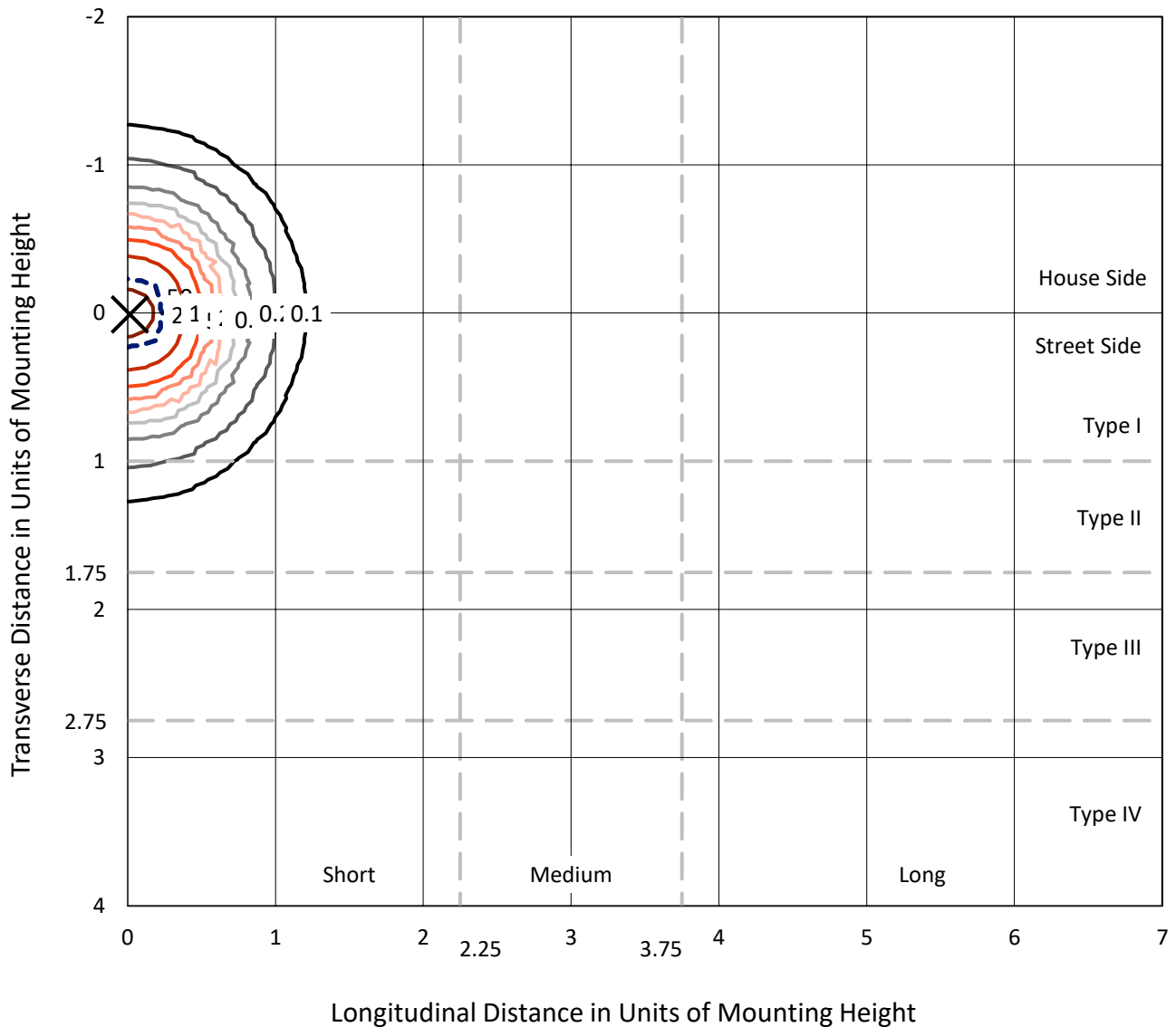
Input Watts (W): 123.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

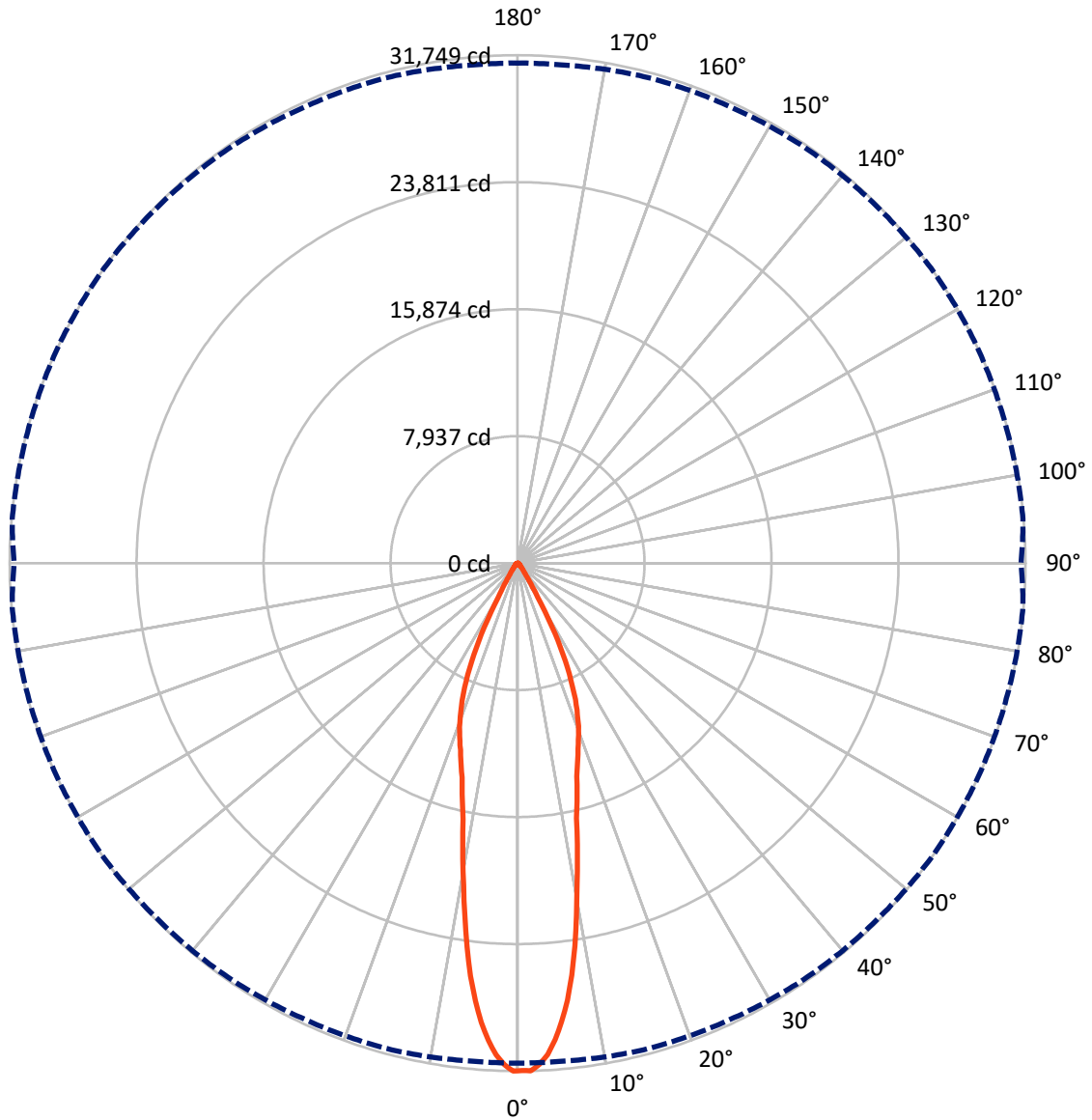
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 79.3 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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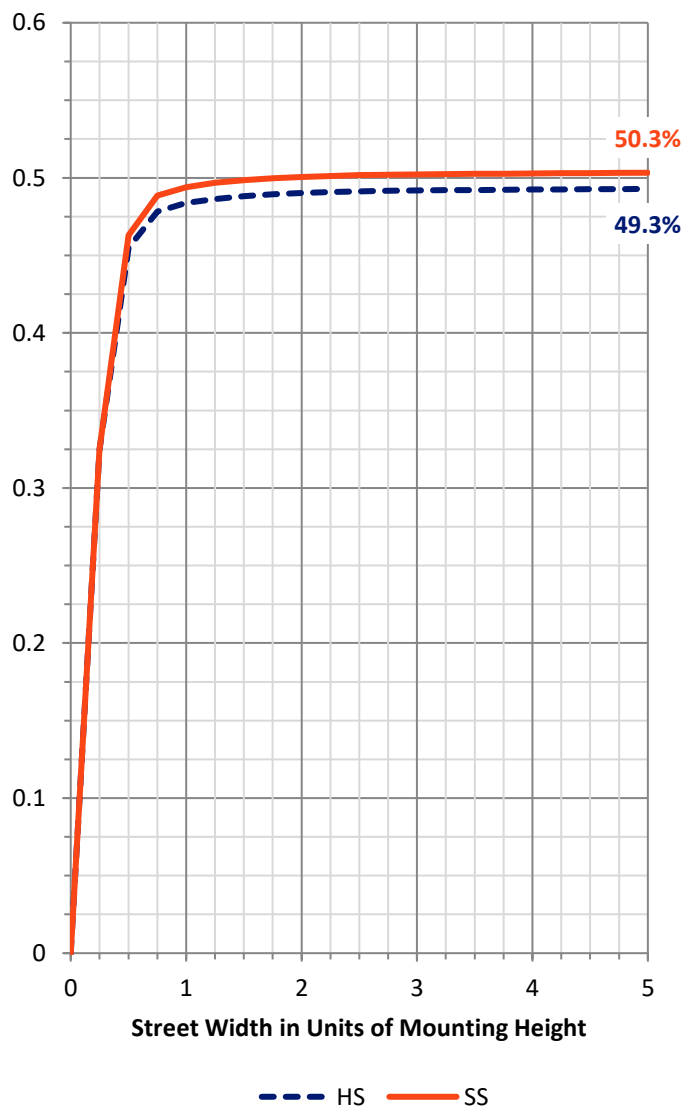
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5282.7	0.0	5282.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5282.7	0.0	5282.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	10565.4	0.0	10565.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2412.8	22.8
10°-20°	3940.8	37.3
20°-30°	3079.5	29.1
30°-40°	671.2	6.4
40°-50°	198.7	1.9
50°-60°	124.3	1.2
60°-70°	86.9	0.8
70°-80°	37.3	0.4
80°-90°	13.8	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°	10565.4	100.0
0°-180°	10565.4	100.0



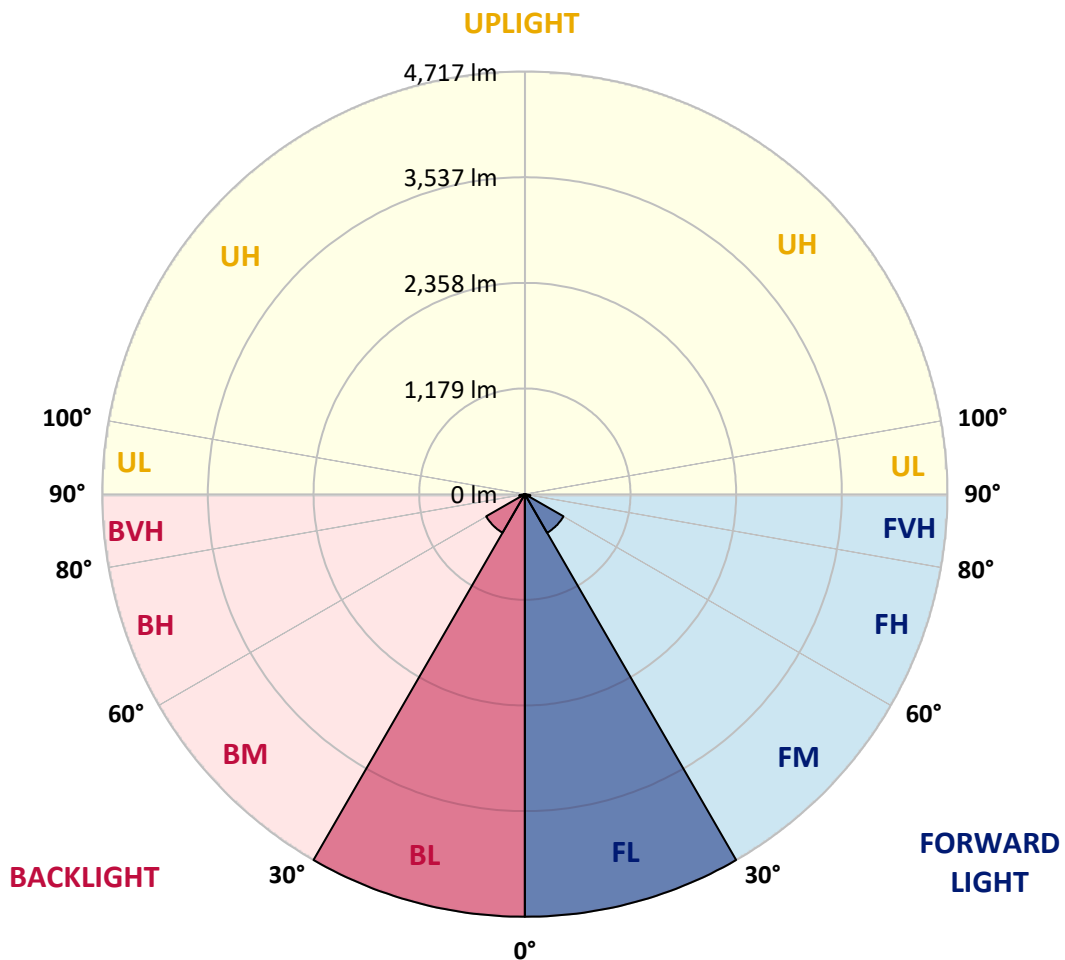
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4716.6	44.6			
FM (30°-60°)	497.1	4.7			
FH (60°-80°)	62.1	0.6			G0/660
FVH (80°-90°)	6.9	0.1			G0/10
BL (0°-30°)	4716.6	44.6	B4/5000		
BM (30°-60°)	497.1	4.7	B1/1000		
BH (60°-80°)	62.1	0.6	B0/110		G0/660
BVH (80°-90°)	6.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	31712.2	31712.2	31712.2	31712.2	31712.2	31712.2	31712.2	31712.2	31712.2	31712.2
1°	31253.1	31257.0	31427.2	31465.4	31582.1	31641.4	31748.5	31737.0	31704.5	31708.3
2°	30677.4	30652.6	30811.3	30987.3	31126.9	31241.7	31369.8	31396.6	31366.0	31394.7
3°	29730.6	29694.3	29916.2	30136.1	30379.0	30576.0	30769.2	30776.9	30740.5	30738.6
4°	28485.5	28418.5	28682.5	29074.6	29380.6	29642.7	29883.7	29879.8	29830.1	29870.3
5°	26980.2	26896.1	27238.4	27754.8	28208.2	28523.7	28789.6	28726.5	28611.7	28617.5
6°	25132.6	25214.8	25633.7	26358.6	26894.1	27156.2	27483.2	27364.7	27165.7	27144.7
7°	23395.9	23581.4	23916.1	24790.2	25427.1	25702.5	25979.9	25740.8	25471.1	25427.1
8°	21567.3	21877.2	22340.1	23145.3	23824.3	24101.6	24206.8	23950.5	23661.7	23650.2
9°	20085.0	20297.3	20695.2	21404.8	22095.2	22280.8	22303.7	22079.9	21791.1	21810.2
10°	18736.6	18776.7	19121.0	19731.2	20283.9	20415.9	20410.2	20247.6	20010.4	20073.5
12.5°	15718.4	15827.4	15926.9	16121.9	16307.5	16393.5	16361.0	16294.1	16164.0	16169.8
15°	13669.9	13668.0	13679.5	13769.4	13824.8	13834.4	13834.4	13750.2	13694.8	13777.0
17.5°	11862.4	11961.9	12139.8	12212.4	12285.1	12258.3	12208.6	12170.4	12134.0	12204.8
20°	10456.6	10500.6	10502.5	10550.3	10917.6	10936.7	10873.6	10764.5	10672.7	10655.5
22.5°	8874.8	8941.8	8970.5	9012.5	9050.8	9330.0	9255.4	9079.5	8970.5	8937.9
25°	6661.9	6638.9	6826.3	7170.6	7226.1	7260.5	7241.4	7149.6	7078.8	7092.2
27.5°	4603.8	4644.0	4636.3	4640.2	5005.5	5003.6	4997.8	4917.5	4896.5	4865.8
30°	2574.5	2555.3	2564.9	2540.0	2488.4	2551.5	2450.1	2536.2	2452.1	2478.8
32.5°	1522.5	1509.1	1495.7	1501.5	1463.2	1369.5	1329.3	1388.6	1369.5	1361.8
35°	971.6	977.4	994.6	992.7	958.3	904.7	847.3	900.9	893.2	870.3
37.5°	619.7	619.7	625.4	675.2	646.5	600.6	560.4	583.4	581.5	577.6
40°	439.9	439.9	447.6	461.0	445.7	422.7	399.7	399.7	403.6	392.1
42.5°	327.1	327.1	334.7	342.4	323.2	315.6	304.1	296.5	306.0	296.5
45°	256.3	254.4	256.3	252.5	241.0	241.0	231.4	220.0	231.4	225.7
47.5°	210.4	208.5	206.6	198.9	187.4	189.4	185.5	176.0	181.7	179.8
50°	183.6	179.8	181.7	174.1	164.5	162.6	162.6	153.0	154.9	154.9
52.5°	160.7	160.7	158.8	154.9	151.1	143.5	145.4	135.8	135.8	135.8
55°	151.1	151.1	147.3	139.6	141.5	135.8	130.1	124.3	122.4	122.4
57.5°	149.2	149.2	147.3	139.6	133.9	132.0	124.3	116.7	110.9	112.8
60°	145.4	145.4	141.5	139.6	130.1	126.2	114.8	109.0	101.4	101.4
62.5°	139.6	137.7	130.1	118.6	118.6	109.0	101.4	89.9	84.2	82.2
65°	118.6	116.7	110.9	101.4	95.6	89.9	78.4	66.9	63.1	57.4
67.5°	97.5	97.5	93.7	84.2	80.3	72.7	59.3	51.6	42.1	38.3
70°	80.3	80.3	76.5	70.8	66.9	57.4	45.9	38.3	28.7	24.9
72.5°	65.0	65.0	61.2	57.4	53.6	47.8	38.3	28.7	19.1	15.3
75°	51.6	51.6	49.7	45.9	42.1	38.3	30.6	23.0	13.4	7.7
77.5°	42.1	42.1	40.2	38.3	34.4	30.6	24.9	19.1	9.6	3.8
80°	32.5	32.5	32.5	32.5	28.7	24.9	21.0	15.3	7.7	1.9
82.5°	23.0	23.0	24.9	28.7	23.0	19.1	19.1	15.3	5.7	1.9
85°	15.3	17.2	19.1	17.2	15.3	15.3	26.8	24.9	5.7	1.9
87.5°	7.7	7.7	7.7	7.7	7.7	5.7	7.7	5.7	3.8	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°
31712.2
31473.1
31169.0
30572.2
29680.9
28338.2
26865.5
25218.6
23231.4
21525.3
19851.7
15980.4
13585.7
12042.2
10544.6
8821.3
7046.3
4754.9
2511.3
1342.7
845.4
570.0
388.3
294.6
225.7
179.8
156.8
135.8
120.5
112.8
95.6
78.4
55.5
36.3
23.0
13.4
5.7
3.8
1.9
1.9
1.9
0.0
0.0

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