

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: P636076

Luminaire Tested: **IFLD-S-SA3B-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636076
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-940-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (48) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11683.6 lumens
Efficiency: N/A
Efficacy: 95.5 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

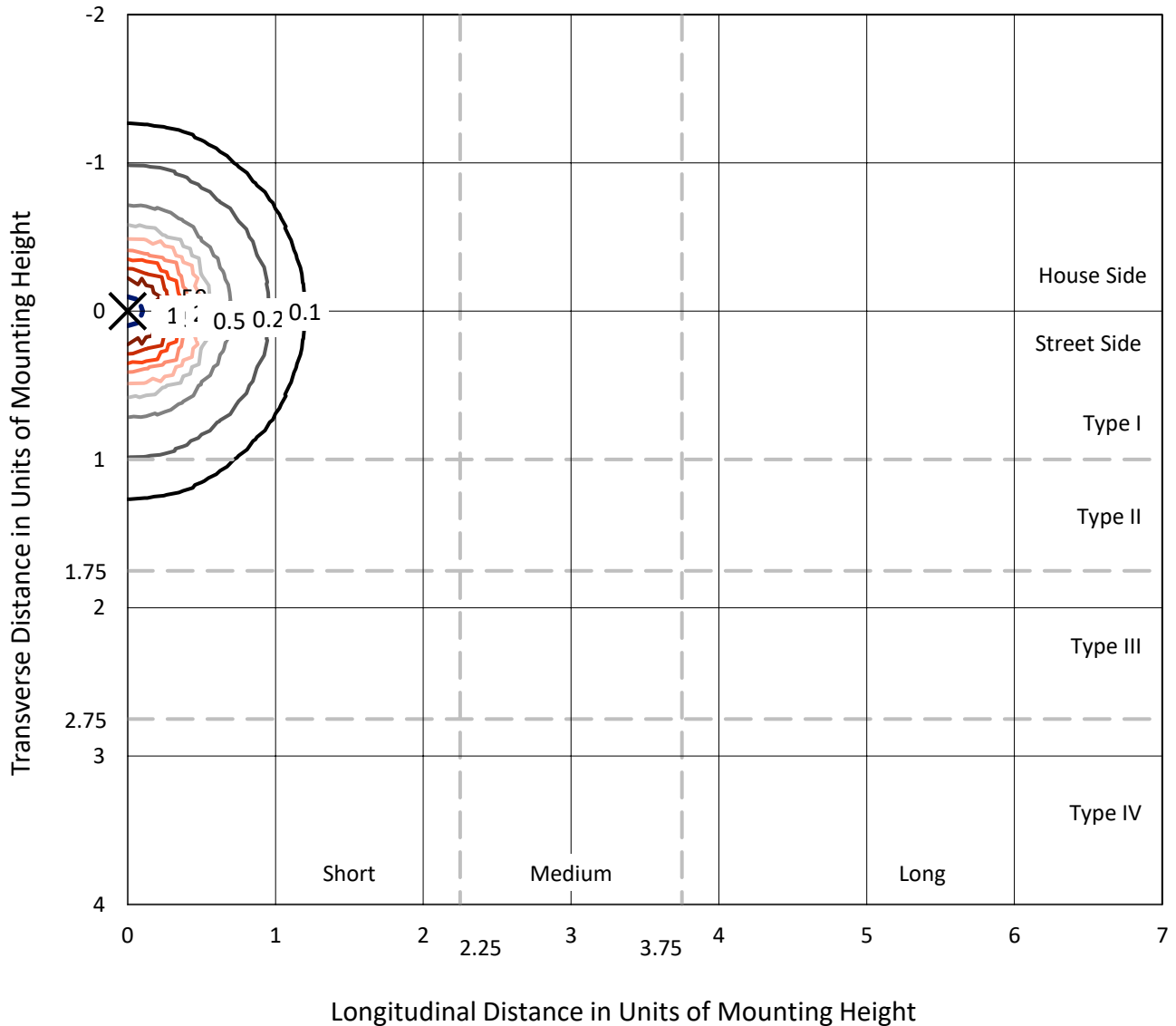
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

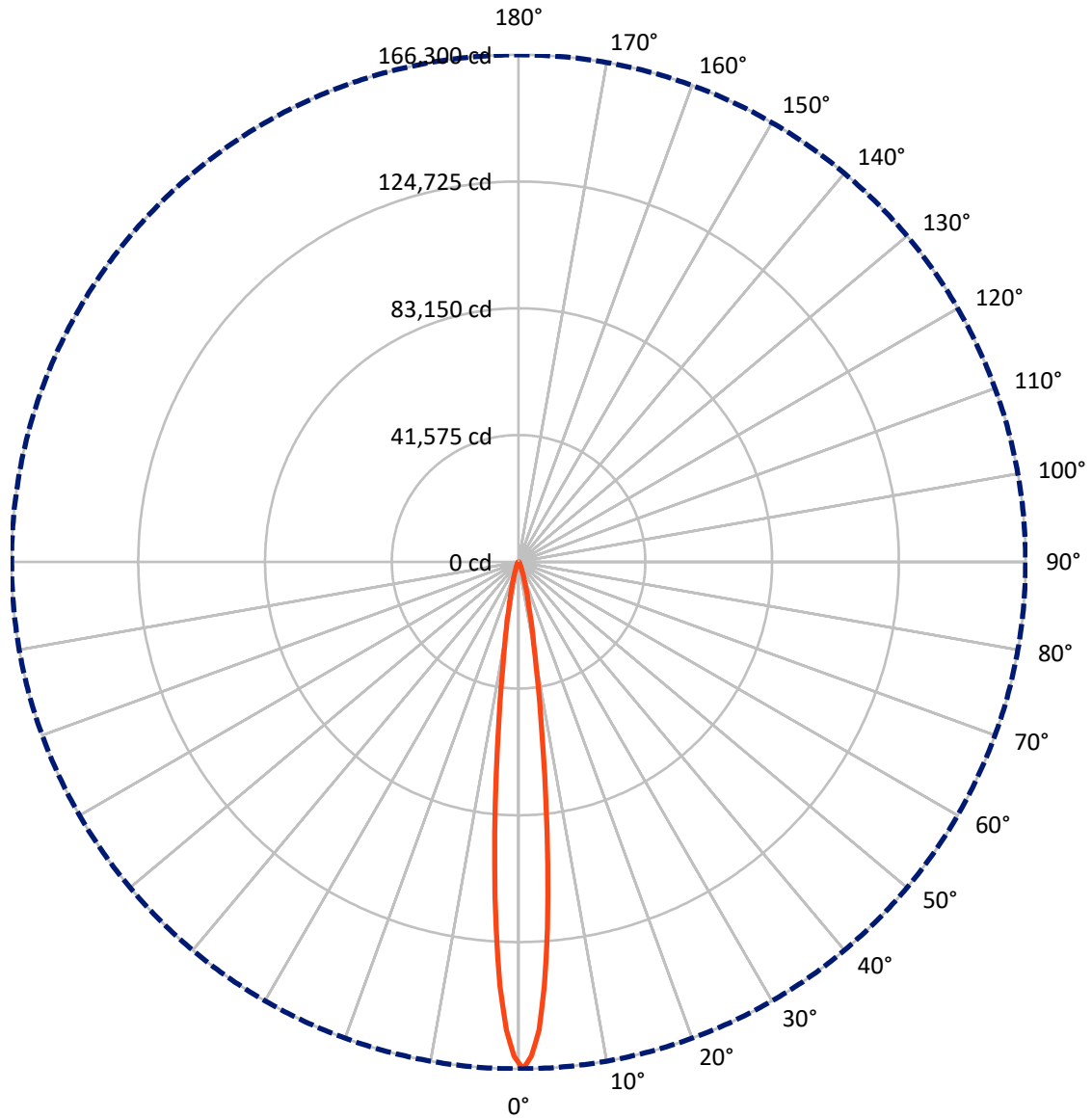
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 415.8 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	5841.8	0.0	5841.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5841.8	0.0	5841.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11683.6	0.0	11683.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7122.1	61.0
10°-20°	3190.7	27.3
20°-30°	712.6	6.1
30°-40°	232.6	2.0
40°-50°	160.4	1.4
50°-60°	121.2	1.0
60°-70°	82.9	0.7
70°-80°	43.7	0.4
80°-90°	17.4	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°	11683.6	100.0
0°-180°	11683.6	100.0

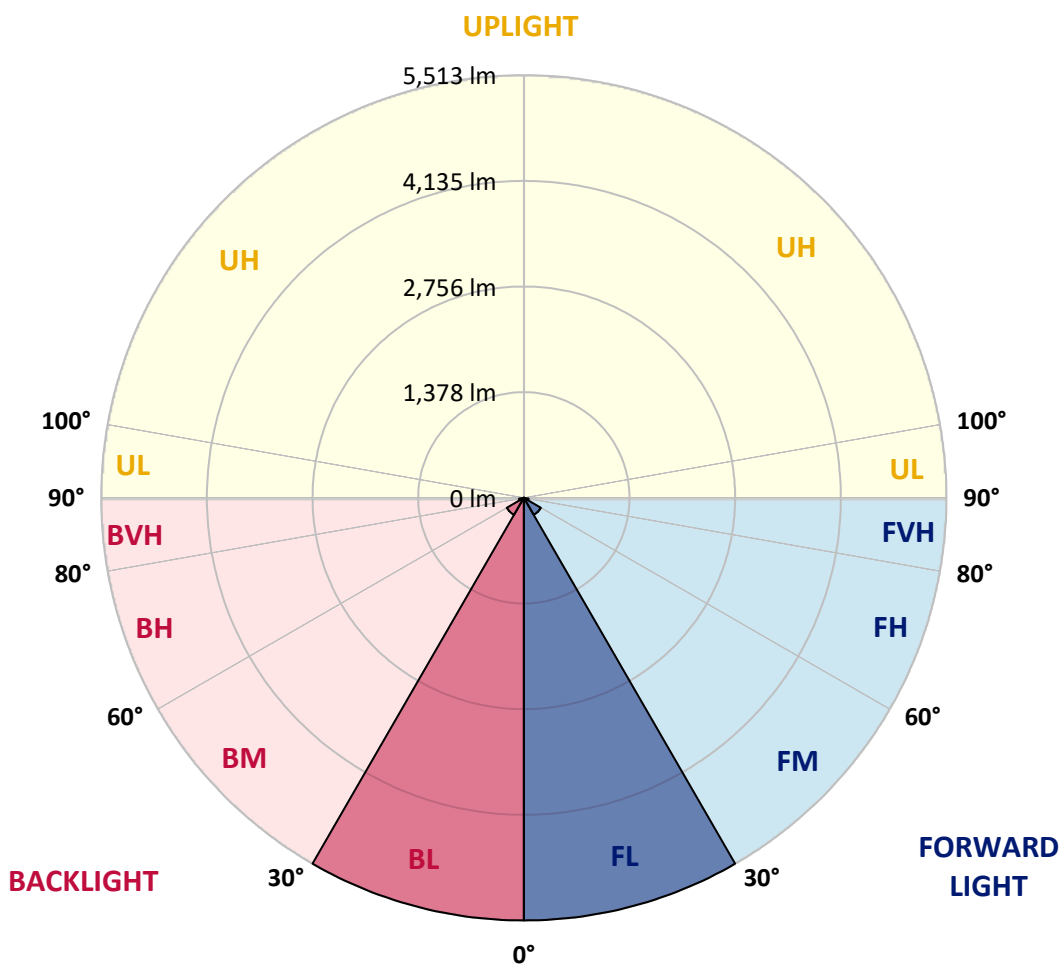


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5512.7	47.2			
FM (30°-60°)	257.1	2.2			
FH (60°-80°)	63.3	0.5			G0/660
FVH (80°-90°)	8.7	0.1			G0/10
BL (0°-30°)	5512.7	47.2	B5		
BM (30°-60°)	257.1	2.2	B1/1000		
BH (60°-80°)	63.3	0.5	B0/110		G0/660
BVH (80°-90°)	8.7	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°	166300.4	166300.4	166300.4	166300.4	166300.4	166300.4	166300.4	166300.4	166300.4	166300.4
1°	162171.5	162392.1	162146.6	163386.9	163898.8	164165.2	164196.4	164895.7	164356.7	164506.5
2°	153624.6	154115.7	153293.7	154088.7	155678.6	156280.0	155299.8	156511.0	156078.2	156330.0
3°	139263.1	139864.6	138728.3	139700.1	141745.8	142203.7	140597.1	142318.1	142274.4	142636.5
4°	120752.0	121728.0	120104.8	121255.6	122160.9	123755.0	122198.3	124156.6	124119.2	124747.7
5°	99739.4	100794.5	99383.6	100578.1	101435.5	102028.6	101458.4	103624.8	103762.1	104411.4
6°	79178.5	80162.8	78587.4	79727.9	81086.8	81330.3	81182.5	83047.2	83461.3	82955.6
7°	60935.8	61181.4	60933.7	61970.1	63060.6	63100.1	63291.6	64931.5	65295.7	65120.8
8°	46668.0	45544.2	46509.8	47059.2	47396.4	48944.7	49059.1	49885.3	50555.4	50603.3
9°	35523.9	34483.3	35600.9	35819.4	36593.5	37969.1	37796.4	38699.6	39120.0	39092.9
10°	27083.0	26554.5	27114.3	27355.7	27992.5	29157.9	29359.7	29773.9	30086.0	30290.0
12.5°	14696.5	14819.3	15143.9	15397.8	16255.2	16565.3	16690.2	16725.6	16723.5	16756.8
15°	9129.7	9229.5	9456.4	9916.3	10438.6	10823.6	10877.8	10678.0	10505.2	10478.2
17.5°	5693.8	5654.3	6187.0	6690.6	7319.1	7518.9	7310.8	7081.9	6846.7	6711.5
20°	3417.1	3444.2	3625.2	3850.0	4357.8	4703.2	4486.8	4253.7	4010.2	3850.0
22.5°	1941.6	1970.8	2049.9	2166.4	2359.9	2674.2	2536.8	2301.7	2128.9	2058.2
25°	1146.7	1146.7	1194.5	1246.6	1327.7	1400.6	1371.4	1246.6	1144.6	1115.5
27.5°	742.9	736.7	753.3	778.3	815.8	819.9	786.6	749.2	697.2	678.4
30°	543.2	545.2	543.2	553.6	551.5	536.9	516.1	518.2	497.4	495.3
32.5°	441.2	443.3	443.3	441.2	430.8	407.9	393.3	407.9	403.7	399.6
35°	366.3	368.3	389.2	387.1	370.4	345.5	335.1	351.7	364.2	345.5
37.5°	316.3	318.4	335.1	343.4	322.6	305.9	293.4	308.0	326.7	305.9
40°	278.9	280.9	285.1	287.2	276.8	268.5	262.2	266.4	274.7	264.3
42.5°	245.6	243.5	245.6	243.5	231.0	235.2	231.0	224.8	231.0	222.7
45°	214.4	214.4	214.4	208.1	195.6	203.9	199.8	193.5	195.6	189.4
47.5°	195.6	195.6	195.6	187.3	176.9	176.9	179.0	168.6	170.6	168.6
50°	176.9	176.9	181.1	172.7	164.4	158.2	160.2	151.9	154.0	151.9
52.5°	162.3	162.3	162.3	158.2	151.9	147.8	143.6	139.4	137.4	135.3
55°	156.1	156.1	154.0	141.5	139.4	135.3	126.9	124.9	120.7	118.6
57.5°	145.7	145.7	143.6	133.2	124.9	124.9	112.4	110.3	104.1	104.1
60°	129.0	129.0	126.9	124.9	114.5	108.2	99.9	95.7	89.5	87.4
62.5°	122.8	122.8	118.6	108.2	106.1	95.7	87.4	79.1	74.9	70.8
65°	114.5	112.4	110.3	99.9	91.6	85.3	74.9	64.5	60.4	52.0
67.5°	102.0	102.0	99.9	91.6	83.2	72.8	62.4	54.1	43.7	37.5
70°	89.5	87.4	87.4	79.1	72.8	64.5	49.9	41.6	31.2	25.0
72.5°	74.9	74.9	72.8	66.6	62.4	56.2	43.7	33.3	20.8	16.6
75°	60.4	60.4	58.3	54.1	52.0	45.8	37.5	29.1	16.6	8.3
77.5°	49.9	47.9	47.9	43.7	41.6	37.5	31.2	22.9	12.5	6.2
80°	37.5	37.5	39.5	37.5	33.3	31.2	27.1	20.8	10.4	4.2
82.5°	27.1	27.1	29.1	29.1	29.1	27.1	27.1	20.8	10.4	2.1
85°	18.7	18.7	22.9	20.8	20.8	22.9	33.3	27.1	8.3	2.1
87.5°	10.4	10.4	10.4	8.3	8.3	10.4	12.5	10.4	4.2	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
166300.4
163405.6
155431.0
141664.7
123644.7
103171.1
83007.6
64881.5
49999.8
39729.7
30410.7
16783.8
10394.9
6690.6
3885.4
2066.5
1111.3
678.4
493.2
391.2
341.3
303.8
260.1
222.7
189.4
168.6
151.9
135.3
116.5
104.1
83.2
68.7
49.9
37.5
25.0
14.6
8.3
4.2
2.1
2.1
2.1
2.1
0.0

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