

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: P636073

Luminaire Tested: **IFLD-S-SA2D-940-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636073  
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-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (32) 4000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10738.6 lumens  
Efficiency: N/A  
Efficacy: 86.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

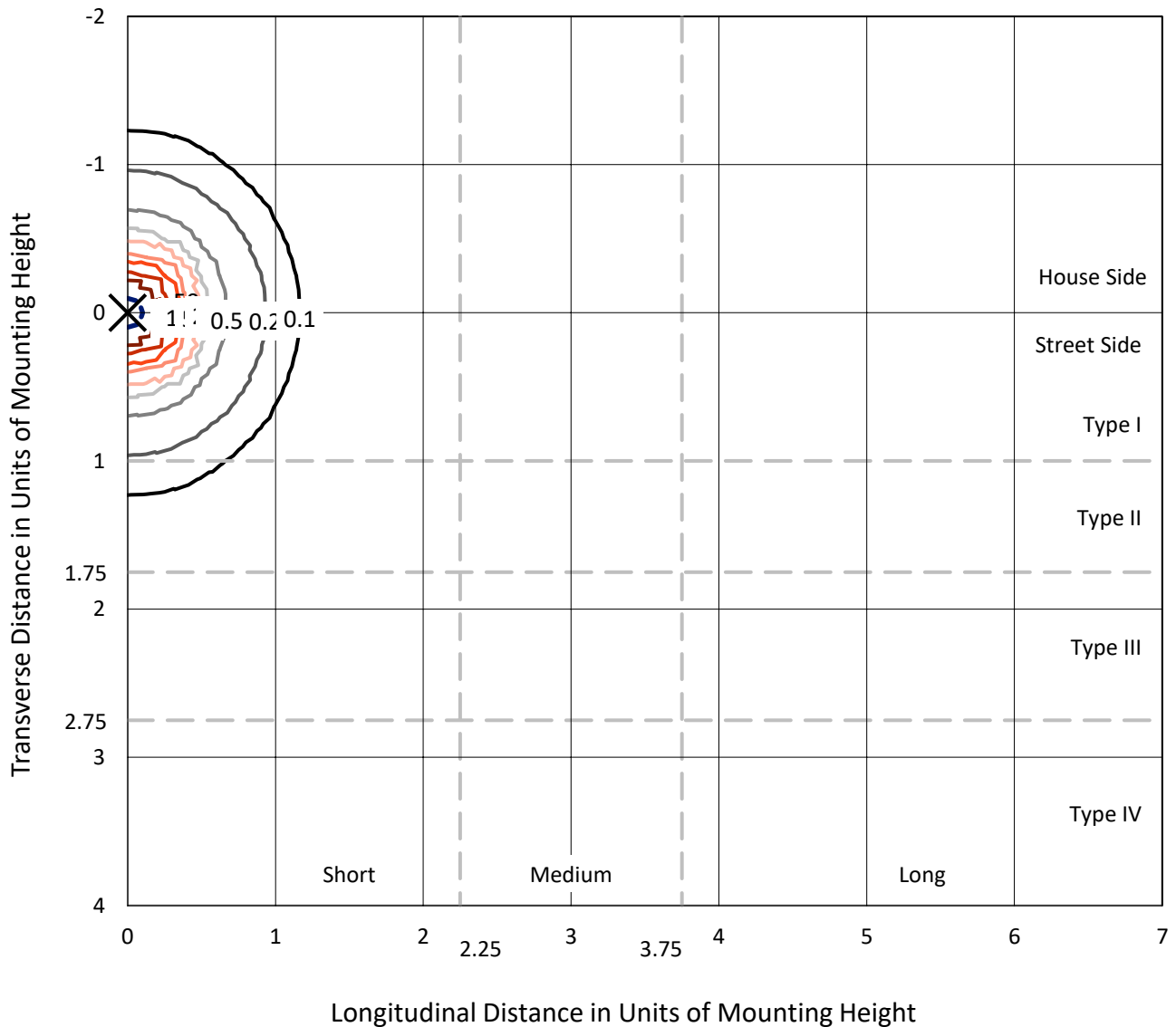
Input Watts (W): 123.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

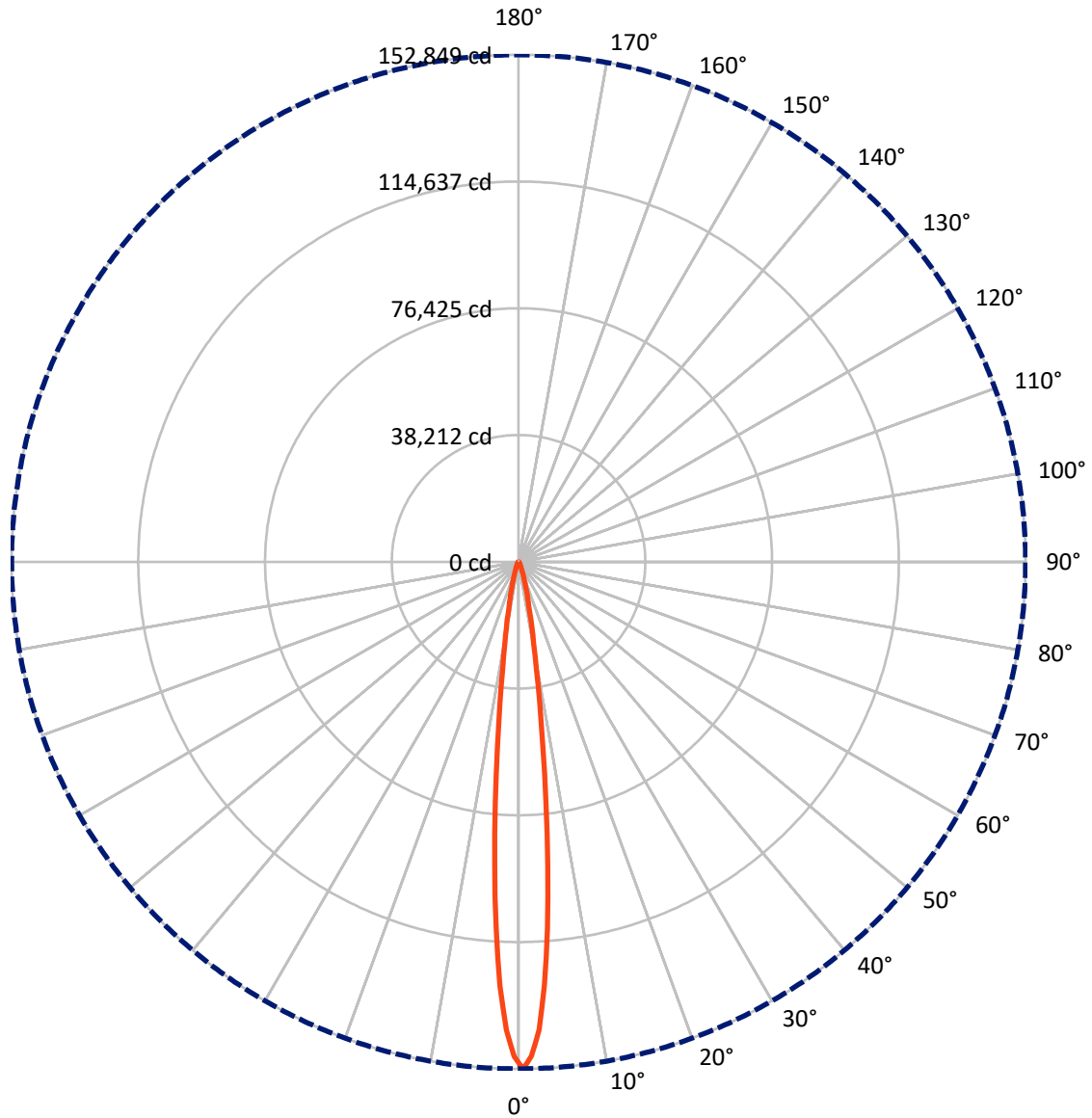
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 382.1 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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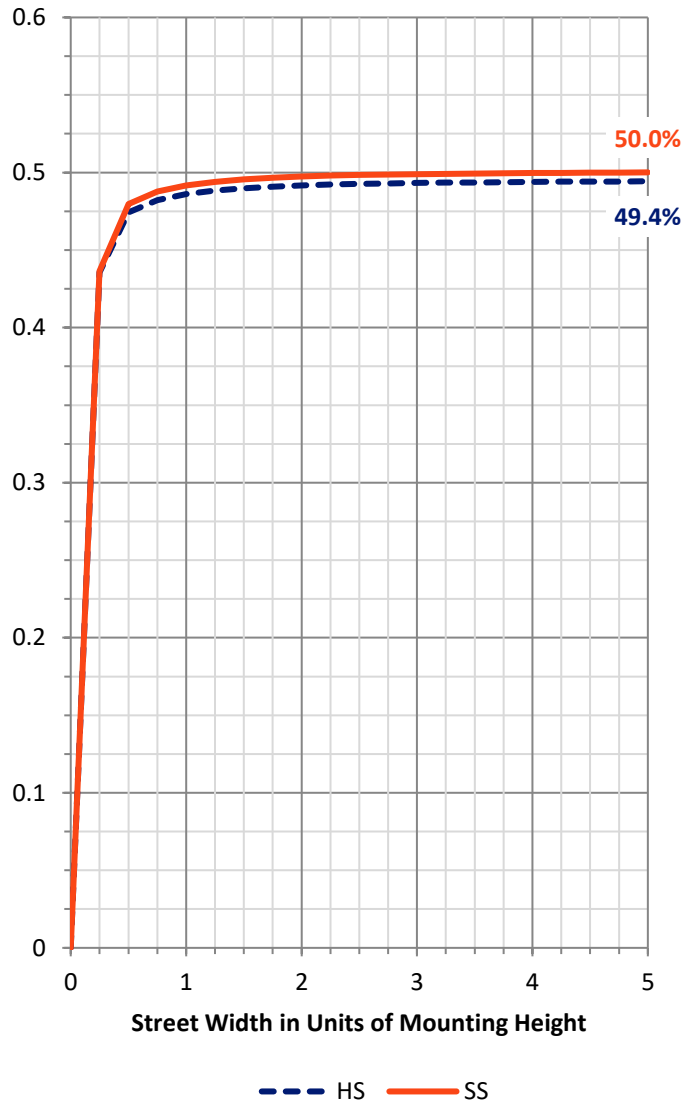
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5369.3	0.0	5369.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5369.3	0.0	5369.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10738.6	0.0	10738.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6546.0	61.0
10°-20°	2932.7	27.3
20°-30°	654.9	6.1
30°-40°	213.8	2.0
40°-50°	147.4	1.4
50°-60°	111.4	1.0
60°-70°	76.2	0.7
70°-80°	40.1	0.4
80°-90°	16.0	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°	10738.6	100.0
0°-180°	10738.6	100.0

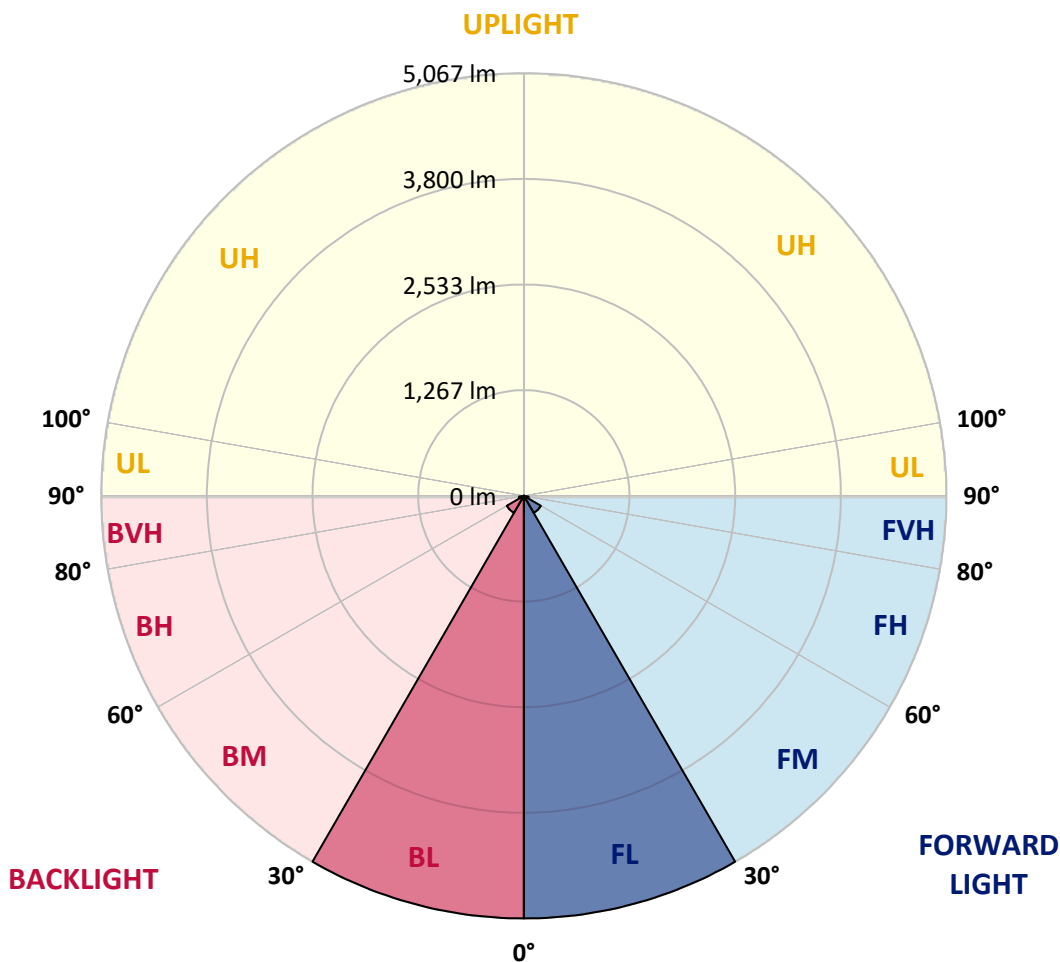


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5066.8	47.2			
FM (30°-60°)	236.3	2.2			
FH (60°-80°)	58.2	0.5			G0/660
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	5066.8	47.2	B5		
BM (30°-60°)	236.3	2.2	B1/1000		
BH (60°-80°)	58.2	0.5	B0/110		G0/660
BVH (80°-90°)	8.0	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°	152849.1	152849.1	152849.1	152849.1	152849.1	152849.1	152849.1	152849.1	152849.1	152849.1
1°	149054.2	149256.9	149031.2	150171.2	150641.8	150886.6	150915.3	151558.0	151062.6	151200.3
2°	141198.5	141650.0	140894.4	141625.1	143086.4	143639.2	142738.3	143851.5	143453.7	143685.1
3°	127998.7	128551.5	127507.1	128400.4	130280.6	130701.4	129224.8	130806.6	130766.5	131099.3
4°	110984.9	111882.0	110390.0	111447.8	112279.8	113745.0	112314.2	114114.1	114079.7	114657.4
5°	91671.9	92641.7	91344.9	92442.8	93230.8	93776.0	93251.9	95243.0	95369.3	95966.0
6°	72774.1	73678.8	72230.8	73279.0	74528.0	74751.8	74616.0	76329.8	76710.5	76245.7
7°	56007.0	56232.7	56005.1	56957.6	57959.9	57996.2	58172.2	59679.4	60014.2	59853.5
8°	42893.2	41860.3	42747.9	43252.8	43562.7	44985.8	45091.0	45850.3	46466.2	46510.2
9°	32650.5	31694.1	32721.3	32922.1	33633.6	34898.0	34739.2	35569.3	35955.7	35930.8
10°	24892.4	24406.6	24921.1	25143.0	25728.3	26799.4	26985.0	27365.6	27652.5	27839.9
12.5°	13507.8	13620.6	13919.0	14152.4	14940.4	15225.4	15340.2	15372.7	15370.8	15401.4
15°	8391.2	8483.0	8691.5	9114.2	9594.3	9948.2	9997.9	9814.3	9655.5	9630.7
17.5°	5233.3	5196.9	5686.6	6149.5	6727.1	6910.7	6719.5	6509.1	6292.9	6168.6
20°	3140.7	3165.6	3332.0	3538.6	4005.3	4322.8	4123.9	3909.6	3685.9	3538.6
22.5°	1784.6	1811.4	1884.1	1991.2	2169.0	2457.9	2331.6	2115.5	1956.7	1891.7
25°	1053.9	1053.9	1097.9	1145.7	1220.3	1287.3	1260.5	1145.7	1052.0	1025.2
27.5°	682.8	677.1	692.4	715.4	749.8	753.6	723.0	688.6	640.8	623.6
30°	499.2	501.1	499.2	508.8	506.9	493.5	474.4	476.3	457.1	455.2
32.5°	405.5	407.4	407.4	405.5	395.9	374.9	361.5	374.9	371.1	367.2
35°	336.6	338.6	357.7	355.8	340.5	317.5	308.0	323.3	334.7	317.5
37.5°	290.7	292.6	308.0	315.6	296.5	281.2	269.7	283.1	300.3	281.2
40°	256.3	258.2	262.0	264.0	254.4	246.7	241.0	244.8	252.5	242.9
42.5°	225.7	223.8	225.7	223.8	212.3	216.1	212.3	206.6	212.3	204.7
45°	197.0	197.0	197.0	191.3	179.8	187.4	183.6	177.9	179.8	174.1
47.5°	179.8	179.8	179.8	172.1	162.6	162.6	164.5	154.9	156.8	154.9
50°	162.6	162.6	166.4	158.8	151.1	145.4	147.3	139.6	141.5	139.6
52.5°	149.2	149.2	149.2	145.4	139.6	135.8	132.0	128.2	126.2	124.3
55°	143.5	143.5	141.5	130.1	128.2	124.3	116.7	114.8	110.9	109.0
57.5°	133.9	133.9	132.0	122.4	114.8	114.8	103.3	101.4	95.6	95.6
60°	118.6	118.6	116.7	114.8	105.2	99.5	91.8	88.0	82.2	80.3
62.5°	112.9	112.9	109.0	99.5	97.5	88.0	80.3	72.7	68.9	65.0
65°	105.2	103.3	101.4	91.8	84.2	78.4	68.9	59.3	55.5	47.8
67.5°	93.7	93.7	91.8	84.2	76.5	66.9	57.4	49.7	40.2	34.4
70°	82.2	80.3	80.3	72.7	66.9	59.3	45.9	38.3	28.7	23.0
72.5°	68.9	68.9	66.9	61.2	57.4	51.6	40.2	30.6	19.1	15.3
75°	55.5	55.5	53.6	49.7	47.8	42.1	34.4	26.8	15.3	7.7
77.5°	45.9	44.0	44.0	40.2	38.3	34.4	28.7	21.0	11.5	5.7
80°	34.4	34.4	36.3	34.4	30.6	28.7	24.9	19.1	9.6	3.8
82.5°	24.9	24.9	26.8	26.8	26.8	24.9	24.9	19.1	9.6	1.9
85°	17.2	17.2	21.0	19.1	19.1	21.0	30.6	24.9	7.7	1.9
87.5°	9.6	9.6	9.6	7.7	7.7	9.6	11.5	9.6	3.8	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
152849.1  
150188.4  
142858.8  
130206.0  
113643.6  
94826.1  
76293.5  
59633.5  
45955.5  
36516.1  
27950.9  
15426.3  
9554.1  
6149.5  
3571.1  
1899.4  
1021.4  
623.6  
453.3  
359.6  
313.7  
279.3  
239.1  
204.7  
174.1  
154.9  
139.6  
124.3  
107.1  
95.6  
76.5  
63.1  
45.9  
34.4  
23.0  
13.4  
7.7  
3.8  
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