

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: P636091

Luminaire Tested: **IFLD-L-SA7B-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636091
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-940-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24452.3 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

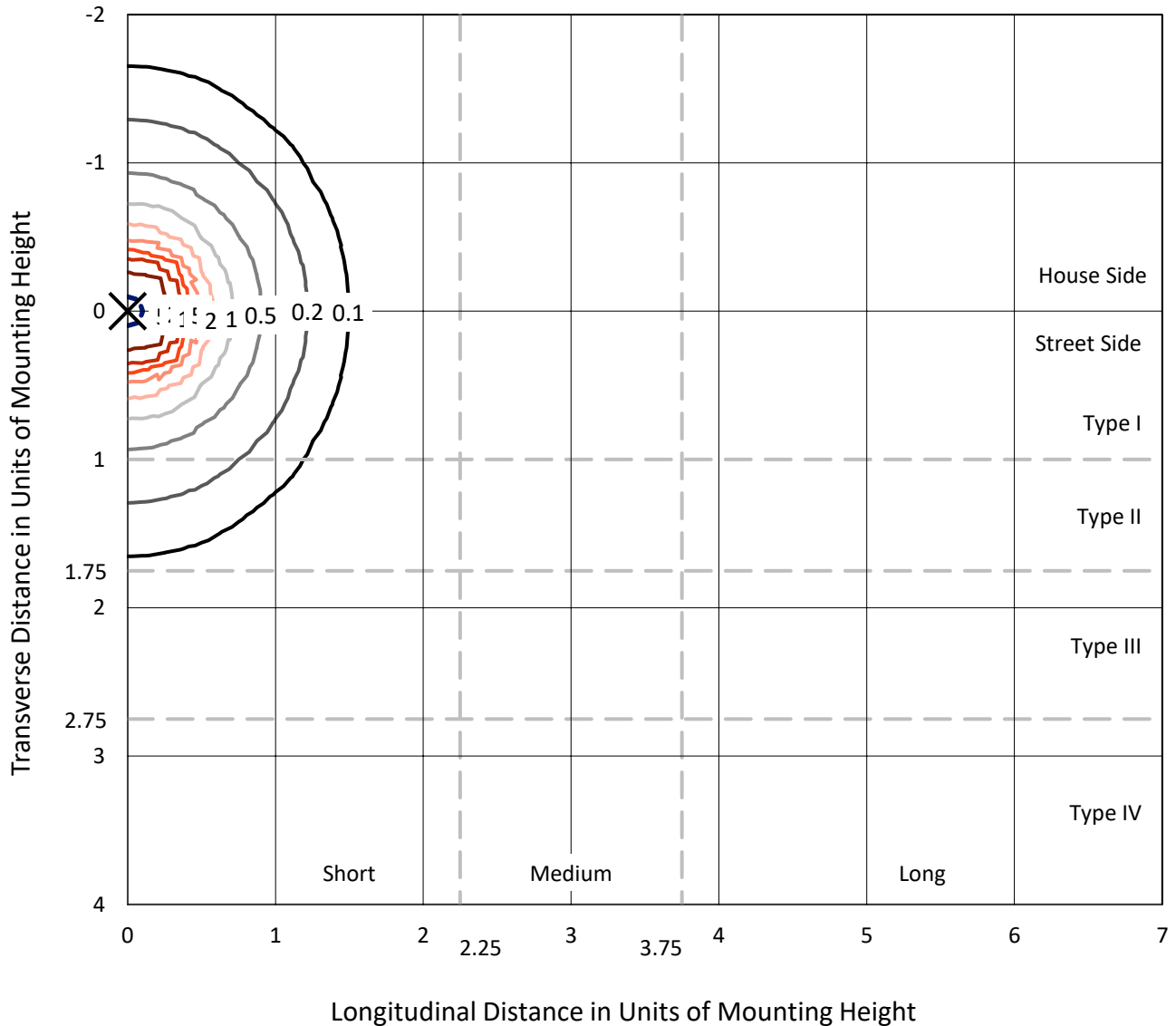
Input Watts (W): 281
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

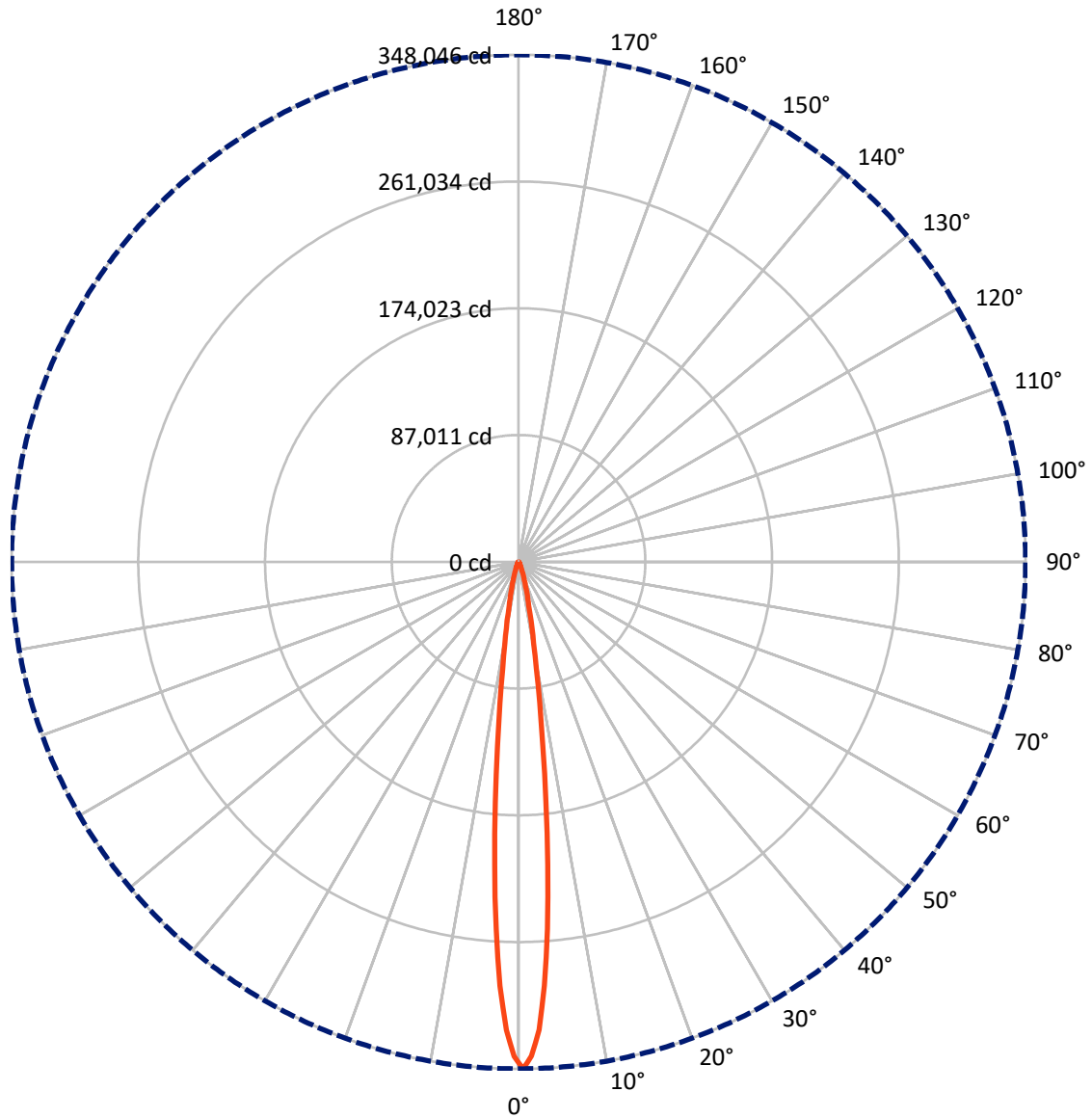
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 870.1 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
House Side	Lumens	12226.1	0.0	12226.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12226.1	0.0	12226.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	24452.3	0.0	24452.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14905.6	61.0
10°-20°	6677.8	27.3
20°-30°	1491.3	6.1
30°-40°	486.7	2.0
40°-50°	335.7	1.4
50°-60°	253.6	1.0
60°-70°	173.6	0.7
70°-80°	91.4	0.4
80°-90°	36.5	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°	24452.3	100.0
0°-180°	24452.3	100.0

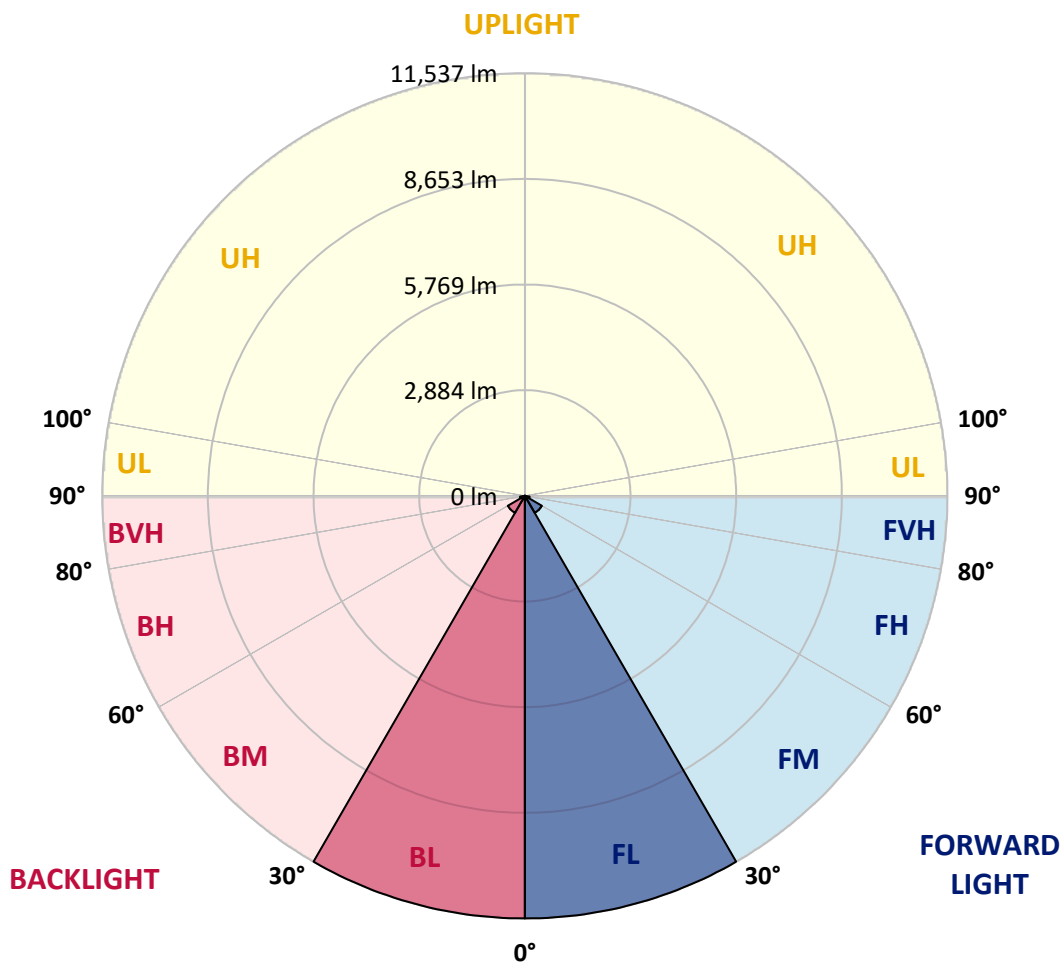


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11537.4	47.2			
FM (30°-60°)	538.0	2.2			
FH (60°-80°)	132.5	0.5			G0/660
FVH (80°-90°)	18.2	0.1			G1/100
BL (0°-30°)	11537.4	47.2	B5		
BM (30°-60°)	538.0	2.2	B1/1000		
BH (60°-80°)	132.5	0.5	B1/500		G0/660
BVH (80°-90°)	18.2	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°	348045.9	348045.9	348045.9	348045.9	348045.9	348045.9	348045.9	348045.9	348045.9	348045.9
1°	339404.8	339866.5	339352.5	341948.4	343019.8	343577.3	343642.6	345106.0	343978.0	344291.6
2°	321517.1	322545.0	320824.6	322488.3	325815.9	327074.6	325023.2	327558.0	326652.1	327179.1
3°	291460.3	292719.0	290341.0	292375.0	296656.3	297614.5	294252.2	297854.1	297762.6	298520.5
4°	252718.9	254761.6	251364.3	253772.9	255667.5	259003.7	255745.9	259844.3	259765.9	261081.3
5°	208742.2	210950.4	207997.4	210497.4	212291.9	213533.2	212339.8	216873.8	217161.2	218520.1
6°	165710.7	167770.8	164473.7	166860.5	169704.6	170214.2	169904.9	173807.4	174674.1	173615.7
7°	127531.0	128045.0	127526.7	129695.7	131977.9	132060.7	132461.4	135893.4	136655.6	136289.8
8°	97670.3	95318.4	97339.3	98489.1	99194.7	102435.1	102674.7	104403.8	105806.2	105906.4
9°	74347.0	72169.3	74508.2	74965.5	76585.7	79464.6	79103.1	80993.4	81873.2	81816.6
10°	56681.4	55575.2	56746.8	57252.0	58584.8	61023.8	61446.3	62313.0	62966.3	63393.1
12.5°	30758.0	31014.9	31694.4	32225.8	34020.2	34669.1	34930.5	35004.5	35000.2	35069.8
15°	19107.2	19316.3	19791.0	20753.6	21846.8	22652.5	22765.8	22347.7	21986.2	21929.5
17.5°	11916.4	11833.7	12948.7	14002.7	15318.0	15736.1	15300.6	14821.5	14329.3	14046.2
20°	7151.6	7208.2	7587.1	8057.5	9120.2	9843.2	9390.3	8902.5	8392.9	8057.5
22.5°	4063.6	4124.6	4290.1	4534.0	4939.0	5596.7	5309.3	4817.1	4455.6	4307.5
25°	2399.8	2399.8	2500.0	2608.9	2778.8	2931.2	2870.2	2608.9	2395.5	2334.5
27.5°	1554.9	1541.8	1576.7	1628.9	1707.3	1716.0	1646.3	1568.0	1459.1	1419.9
30°	1136.8	1141.1	1136.8	1158.5	1154.2	1123.7	1080.1	1084.5	1040.9	1036.6
32.5°	923.3	927.7	927.7	923.3	901.6	853.7	823.2	853.7	845.0	836.2
35°	766.6	770.9	814.5	810.1	775.3	723.0	701.2	736.1	762.2	723.0
37.5°	662.0	666.4	701.2	718.6	675.1	640.2	614.1	644.6	683.8	640.2
40°	583.6	588.0	596.7	601.0	579.3	561.8	548.8	557.5	574.9	553.1
42.5°	513.9	509.6	513.9	509.6	483.5	492.2	483.5	470.4	483.5	466.0
45°	448.6	448.6	448.6	435.5	409.4	426.8	418.1	405.1	409.4	396.3
47.5°	409.4	409.4	409.4	392.0	370.2	370.2	374.6	352.8	357.1	352.8
50°	370.2	370.2	378.9	361.5	344.1	331.0	335.4	317.9	322.3	317.9
52.5°	339.7	339.7	339.7	331.0	317.9	309.2	300.5	291.8	287.5	283.1
55°	326.7	326.7	322.3	296.2	291.8	283.1	265.7	261.3	252.6	248.3
57.5°	304.9	304.9	300.5	278.7	261.3	261.3	235.2	230.8	217.8	217.8
60°	270.0	270.0	265.7	261.3	239.5	226.5	209.1	200.3	187.3	182.9
62.5°	257.0	257.0	248.3	226.5	222.1	200.3	182.9	165.5	156.8	148.1
65°	239.5	235.2	230.8	209.1	191.6	178.6	156.8	135.0	126.3	108.9
67.5°	213.4	213.4	209.1	191.6	174.2	152.4	130.7	113.2	91.5	78.4
70°	187.3	182.9	182.9	165.5	152.4	135.0	104.5	87.1	65.3	52.3
72.5°	156.8	156.8	152.4	139.4	130.7	117.6	91.5	69.7	43.6	34.8
75°	126.3	126.3	122.0	113.2	108.9	95.8	78.4	61.0	34.8	17.4
77.5°	104.5	100.2	100.2	91.5	87.1	78.4	65.3	47.9	26.1	13.1
80°	78.4	78.4	82.8	78.4	69.7	65.3	56.6	43.6	21.8	8.7
82.5°	56.6	56.6	61.0	61.0	61.0	56.6	56.6	43.6	21.8	4.4
85°	39.2	39.2	47.9	43.6	43.6	47.9	69.7	56.6	17.4	4.4
87.5°	21.8	21.8	21.8	17.4	17.4	21.8	26.1	21.8	8.7	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°
348045.9
341987.6
325297.6
296486.5
258772.9
215924.3
173724.6
135788.9
104643.3
83149.3
63645.7
35126.5
21755.3
14002.7
8131.6
4324.9
2325.8
1419.9
1032.2
818.8
714.3
635.9
544.4
466.0
396.3
352.8
317.9
283.1
243.9
217.8
174.2
143.7
104.5
78.4
52.3
30.5
17.4
8.7
4.4
4.4
4.4
4.4
0.0

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