

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: P636047

Luminaire Tested: **IFLD-S-SA3B-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636047
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-935-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10736.1 lumens
Efficiency: N/A
Efficacy: 87.7 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

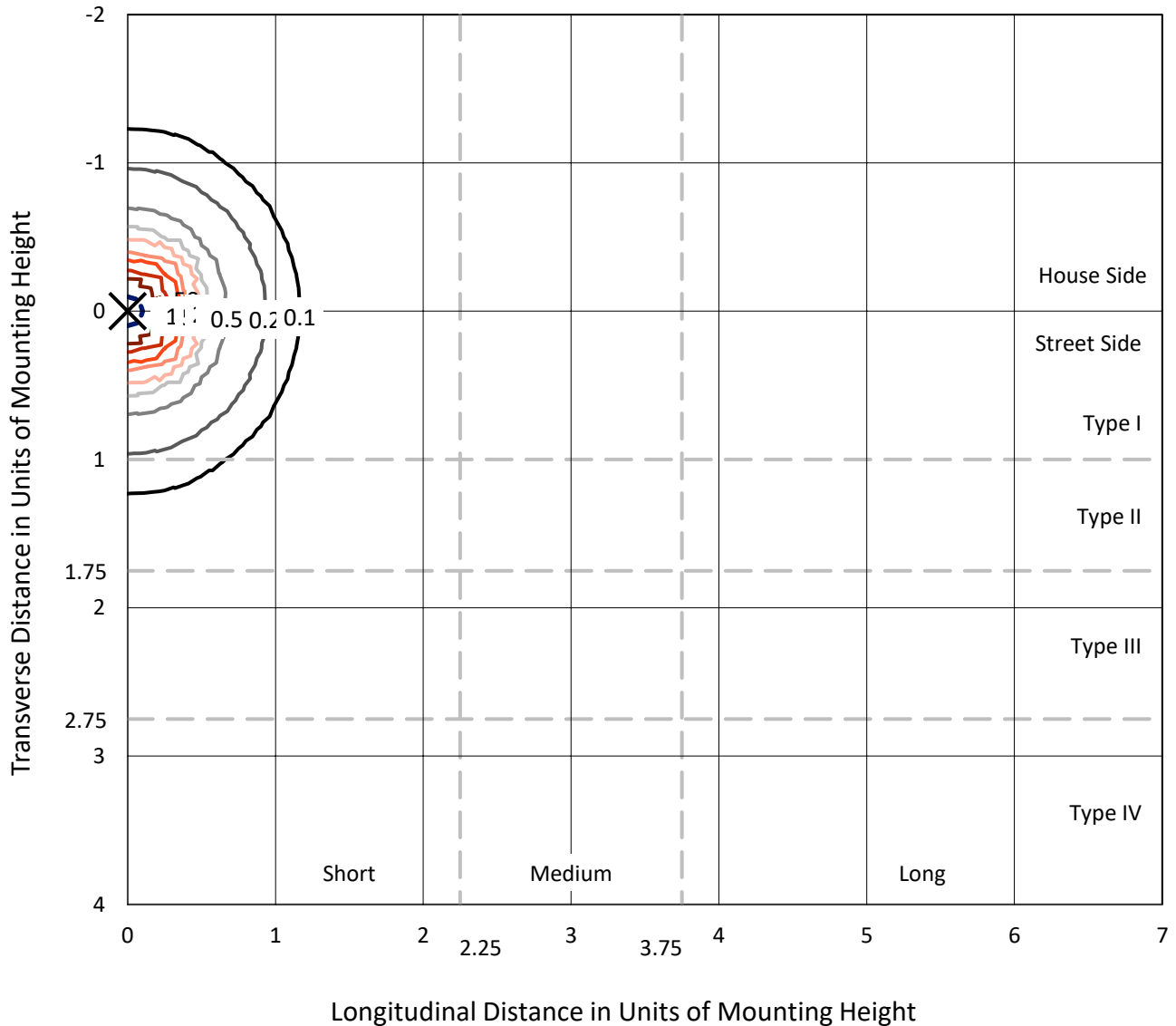
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

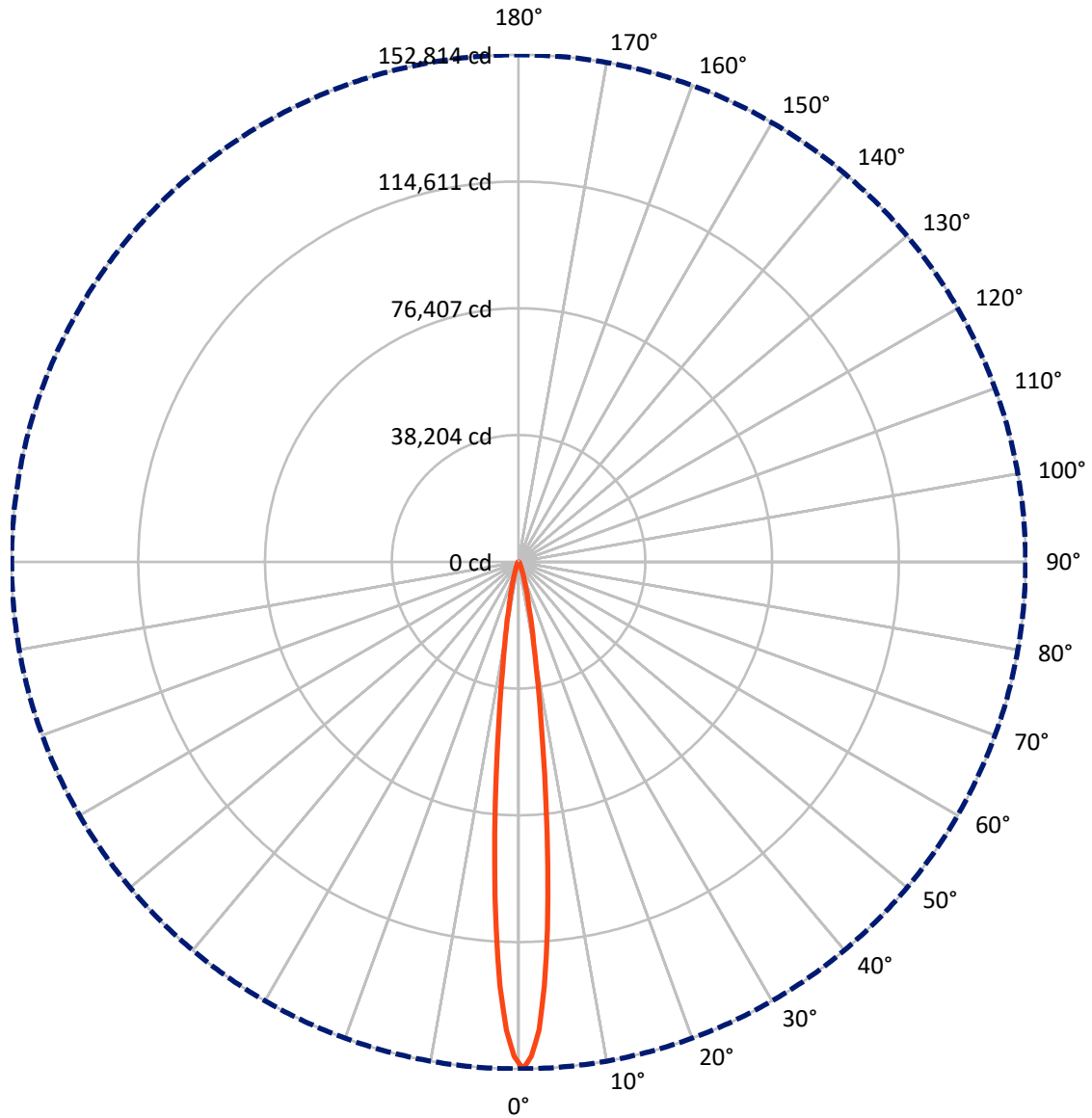
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 382 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	5368.0	0.0	5368.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5368.0	0.0	5368.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10736.1	0.0	10736.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6544.5	61.0
10°-20°	2932.0	27.3
20°-30°	654.8	6.1
30°-40°	213.7	2.0
40°-50°	147.4	1.4
50°-60°	111.3	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°	10736.1	100.0
0°-180°	10736.1	100.0

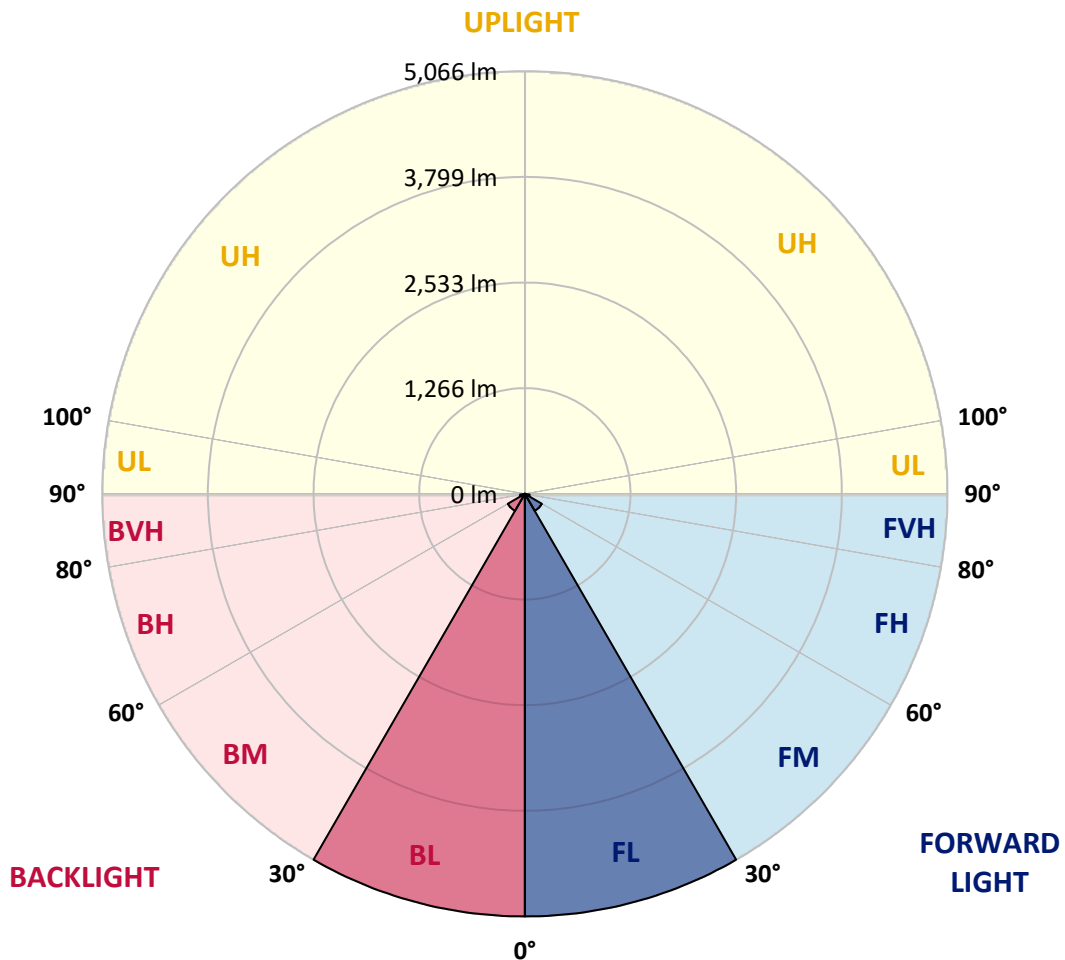


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5065.6	47.2			
FM (30°-60°)	236.2	2.2			
FH (60°-80°)	58.2	0.5			G0/660
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	5065.6	47.2	B5		
BM (30°-60°)	236.2	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°	152814.1	152814.1	152814.1	152814.1	152814.1	152814.1	152814.1	152814.1	152814.1	152814.1
1°	149020.1	149222.8	148997.1	150136.9	150607.3	150852.1	150880.7	151523.3	151028.0	151165.7
2°	141166.2	141617.5	140862.2	141592.7	143053.7	143606.3	142705.6	143818.6	143420.8	143652.2
3°	127969.4	128522.1	127478.0	128371.0	130250.8	130671.5	129195.2	130776.7	130736.5	131069.3
4°	110959.5	111856.4	110364.8	111422.3	112254.1	113718.9	112288.5	114088.0	114053.6	114631.1
5°	91651.0	92620.5	91324.0	92421.6	93209.5	93754.5	93230.5	95221.2	95347.4	95944.1
6°	72757.4	73661.9	72214.3	73262.3	74511.0	74734.7	74599.0	76312.4	76692.9	76228.2
7°	55994.2	56219.8	55992.2	56944.6	57946.6	57983.0	58158.9	59665.8	60000.4	59839.8
8°	42883.4	41850.8	42738.1	43242.9	43552.7	44975.5	45080.6	45839.8	46455.6	46499.6
9°	32643.0	31686.9	32713.8	32914.6	33625.9	34890.0	34731.3	35561.2	35947.5	35922.6
10°	24886.7	24401.0	24915.4	25137.2	25722.4	26793.3	26978.8	27359.3	27646.2	27833.6
12.5°	13504.7	13617.5	13915.8	14149.1	14937.0	15221.9	15336.7	15369.2	15367.3	15397.9
15°	8389.3	8481.1	8689.5	9112.1	9592.1	9945.9	9995.6	9812.0	9653.3	9628.4
17.5°	5232.1	5195.7	5685.3	6148.1	6725.6	6909.2	6717.9	6507.6	6291.5	6167.2
20°	3140.0	3164.9	3331.2	3537.8	4004.4	4321.8	4122.9	3908.7	3685.0	3537.8
22.5°	1784.2	1811.0	1883.6	1990.7	2168.6	2457.3	2331.1	2115.0	1956.3	1891.3
25°	1053.7	1053.7	1097.7	1145.5	1220.0	1287.0	1260.2	1145.5	1051.8	1025.0
27.5°	682.7	677.0	692.3	715.2	749.6	753.4	722.9	688.4	640.6	623.4
30°	499.1	501.0	499.1	508.7	506.8	493.4	474.3	476.2	457.0	455.1
32.5°	405.4	407.3	407.3	405.4	395.8	374.8	361.4	374.8	371.0	367.2
35°	336.6	338.5	357.6	355.7	340.4	317.4	307.9	323.2	334.7	317.4
37.5°	290.7	292.6	307.9	315.5	296.4	281.1	269.6	283.0	300.2	281.1
40°	256.2	258.2	262.0	263.9	254.3	246.7	241.0	244.8	252.4	242.9
42.5°	225.7	223.7	225.7	223.7	212.3	216.1	212.3	206.5	212.3	204.6
45°	197.0	197.0	197.0	191.2	179.8	187.4	183.6	177.8	179.8	174.0
47.5°	179.8	179.8	179.8	172.1	162.5	162.5	164.5	154.9	156.8	154.9
50°	162.5	162.5	166.4	158.7	151.1	145.3	147.2	139.6	141.5	139.6
52.5°	149.2	149.2	149.2	145.3	139.6	135.8	131.9	128.1	126.2	124.3
55°	143.4	143.4	141.5	130.0	128.1	124.3	116.7	114.7	110.9	109.0
57.5°	133.9	133.9	131.9	122.4	114.7	114.7	103.3	101.4	95.6	95.6
60°	118.6	118.6	116.7	114.7	105.2	99.4	91.8	88.0	82.2	80.3
62.5°	112.8	112.8	109.0	99.4	97.5	88.0	80.3	72.7	68.8	65.0
65°	105.2	103.3	101.4	91.8	84.1	78.4	68.8	59.3	55.5	47.8
67.5°	93.7	93.7	91.8	84.1	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	38.2	28.7	22.9
72.5°	68.8	68.8	66.9	61.2	57.4	51.6	40.2	30.6	19.1	15.3
75°	55.5	55.5	53.5	49.7	47.8	42.1	34.4	26.8	15.3	7.6
77.5°	45.9	44.0	44.0	40.2	38.2	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	7.6	1.9
87.5°	9.6	9.6	9.6	7.6	7.6	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°
152814.1
150154.1
142826.1
130176.2
113617.6
94804.4
76276.0
59619.9
45945.0
36507.8
27944.5
15422.7
9552.0
6148.1
3570.3
1898.9
1021.2
623.4
453.2
359.5
313.6
279.2
239.0
204.6
174.0
154.9
139.6
124.3
107.1
95.6
76.5
63.1
45.9
34.4
22.9
13.4
7.6
3.8
1.9
1.9
1.9
1.9
0.0

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