

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: P636060

Luminaire Tested: **IFLD-M-SA4E-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636060
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-935-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22843.1 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

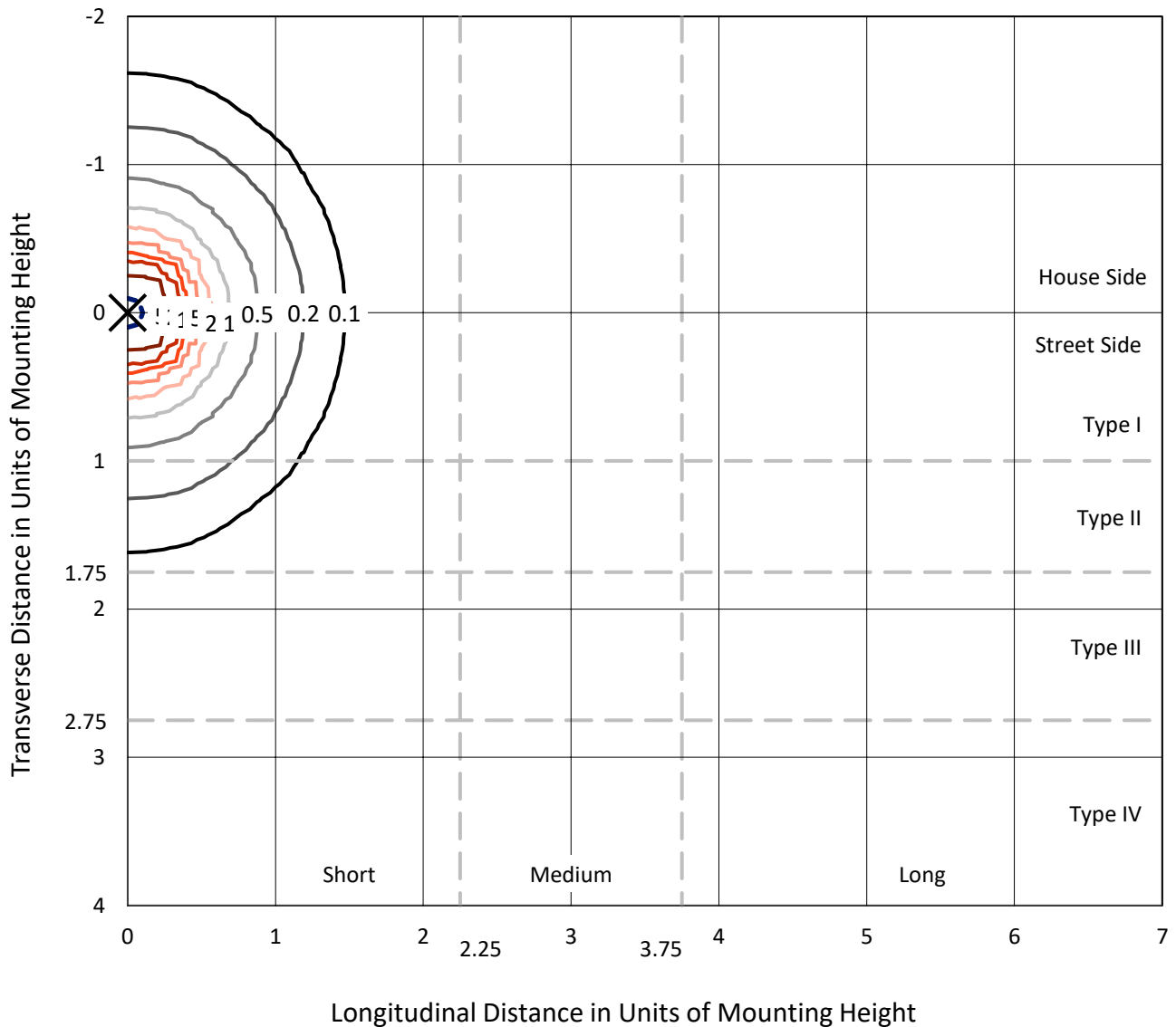
Input Watts (W): 314.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

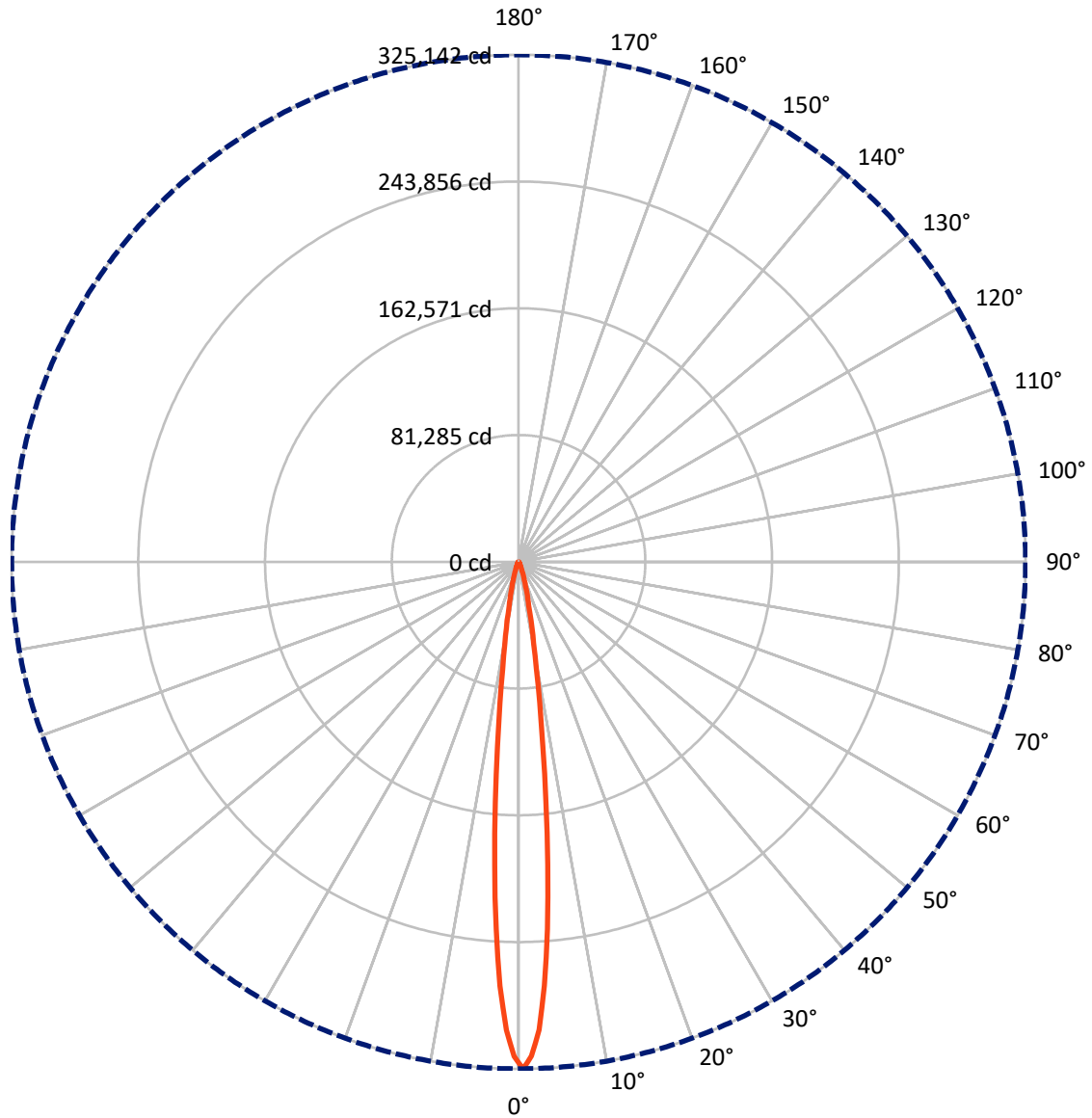
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 812.9 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	11421.6	0.0	11421.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11421.6	0.0	11421.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	22843.1	0.0	22843.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13924.7	61.0
10°-20°	6238.4	27.3
20°-30°	1393.2	6.1
30°-40°	454.7	2.0
40°-50°	313.6	1.4
50°-60°	236.9	1.0
60°-70°	162.1	0.7
70°-80°	85.4	0.4
80°-90°	34.1	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°	22843.1	100.0
0°-180°	22843.1	100.0

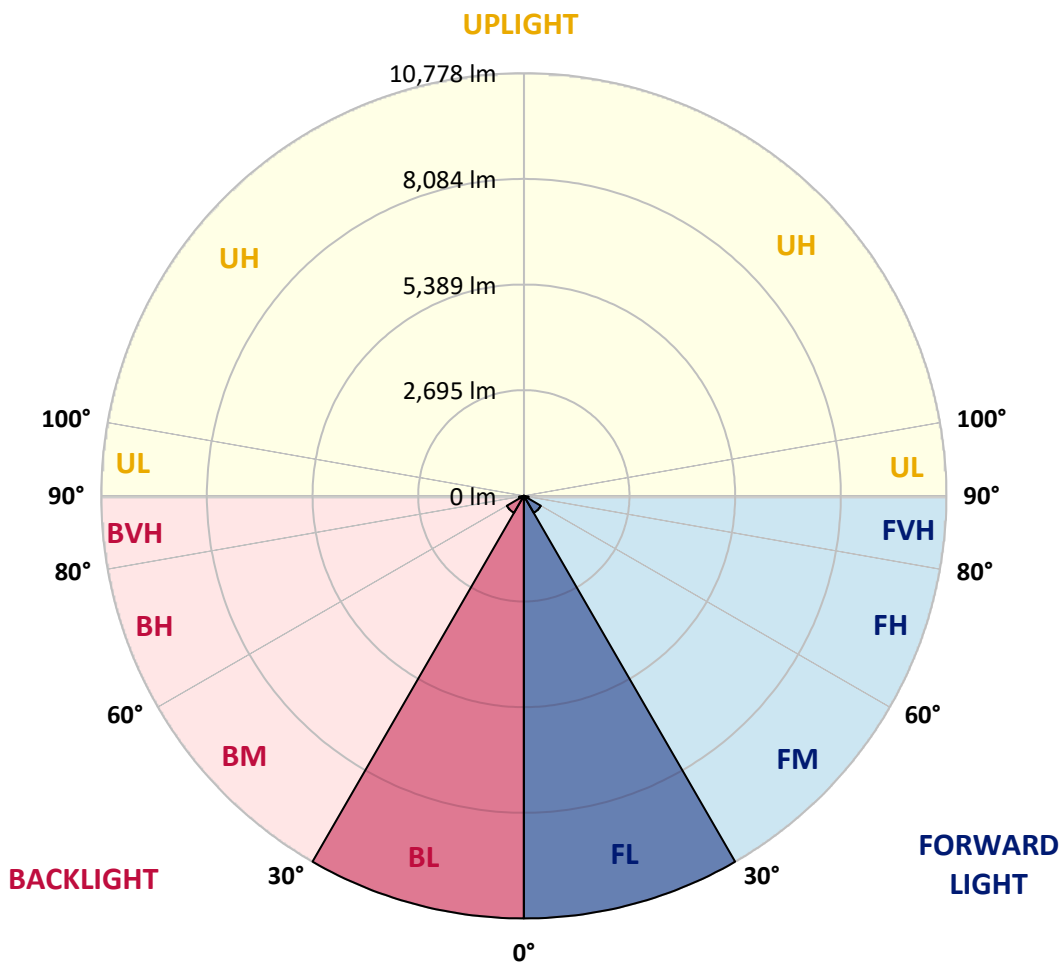


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10778.1	47.2			
FM (30°-60°)	502.6	2.2			
FH (60°-80°)	123.8	0.5			G0/660
FVH (80°-90°)	17.0	0.1			G1/100
BL (0°-30°)	10778.1	47.2	B5		
BM (30°-60°)	502.6	2.2	B1/1000		
BH (60°-80°)	123.8	0.5	B1/500		G0/660
BVH (80°-90°)	17.0	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°	325141.9	325141.9	325141.9	325141.9	325141.9	325141.9	325141.9	325141.9	325141.9	325141.9
1°	317069.4	317500.7	317020.6	319445.6	320446.5	320967.3	321028.4	322395.5	321341.7	321634.6
2°	300358.9	301319.1	299711.9	301266.2	304374.8	305550.7	303634.3	306002.3	305156.0	305648.3
3°	272280.1	273456.0	271234.4	273134.5	277134.2	278029.3	274888.2	278253.1	278167.6	278875.6
4°	236088.1	237996.4	234822.7	237072.7	238842.7	241959.4	238915.9	242744.7	242671.4	243900.2
5°	195005.4	197068.3	194309.6	196645.1	198321.5	199481.1	198366.2	202601.9	202870.4	204139.9
6°	154805.7	156730.2	153650.1	155879.8	158536.8	159012.8	158723.9	162369.6	163179.3	162190.5
7°	119138.6	119618.7	119134.5	121160.7	123292.8	123370.1	123744.4	126950.7	127662.7	127320.9
8°	91242.9	89045.7	90933.6	92007.8	92666.9	95694.1	95917.9	97533.2	98843.4	98937.0
9°	69454.4	67420.0	69605.0	70032.2	71545.8	74235.3	73897.6	75663.4	76485.3	76432.4
10°	52951.4	51917.9	53012.4	53484.4	54729.4	57008.0	57402.6	58212.3	58822.7	59221.4
12.5°	28733.9	28973.9	29608.7	30105.1	31781.4	32387.7	32631.8	32701.0	32696.9	32762.0
15°	17849.8	18045.1	18488.6	19387.8	20409.1	21161.8	21267.6	20877.0	20539.3	20486.4
17.5°	11132.2	11054.9	12096.5	13081.2	14310.0	14700.6	14293.7	13846.1	13386.4	13121.9
20°	6681.0	6733.9	7087.9	7527.3	8520.1	9195.5	8772.3	8316.6	7840.6	7527.3
22.5°	3796.2	3853.2	4007.8	4235.6	4614.0	5228.4	4959.9	4500.1	4162.4	4024.0
25°	2241.9	2241.9	2335.5	2437.2	2595.9	2738.3	2681.3	2437.2	2237.8	2180.9
27.5°	1452.6	1440.4	1472.9	1521.7	1595.0	1603.1	1538.0	1464.8	1363.0	1326.4
30°	1062.0	1066.0	1062.0	1082.3	1078.2	1049.8	1009.1	1013.1	972.4	968.4
32.5°	862.6	866.7	866.7	862.6	842.2	797.5	769.0	797.5	789.3	781.2
35°	716.1	720.2	760.9	756.8	724.2	675.4	655.1	687.6	712.0	675.4
37.5°	618.5	622.5	655.1	671.4	630.7	598.1	573.7	602.2	638.8	598.1
40°	545.2	549.3	557.4	561.5	541.2	524.9	512.7	520.8	537.1	516.7
42.5°	480.1	476.0	480.1	476.0	451.6	459.8	451.6	439.4	451.6	435.4
45°	419.1	419.1	419.1	406.9	382.5	398.7	390.6	378.4	382.5	370.3
47.5°	382.5	382.5	382.5	366.2	345.8	345.8	349.9	329.6	333.6	329.6
50°	345.8	345.8	354.0	337.7	321.4	309.2	313.3	297.0	301.1	297.0
52.5°	317.4	317.4	317.4	309.2	297.0	288.9	280.7	272.6	268.5	264.5
55°	305.2	305.2	301.1	276.7	272.6	264.5	248.2	244.1	236.0	231.9
57.5°	284.8	284.8	280.7	260.4	244.1	244.1	219.7	215.6	203.4	203.4
60°	252.3	252.3	248.2	244.1	223.8	211.6	195.3	187.2	175.0	170.9
62.5°	240.1	240.1	231.9	211.6	207.5	187.2	170.9	154.6	146.5	138.3
65°	223.8	219.7	215.6	195.3	179.0	166.8	146.5	126.1	118.0	101.7
67.5°	199.4	199.4	195.3	179.0	162.8	142.4	122.1	105.8	85.4	73.2
70°	175.0	170.9	170.9	154.6	142.4	126.1	97.7	81.4	61.0	48.8
72.5°	146.5	146.5	142.4	130.2	122.1	109.9	85.4	65.1	40.7	32.6
75°	118.0	118.0	113.9	105.8	101.7	89.5	73.2	57.0	32.6	16.3
77.5°	97.7	93.6	93.6	85.4	81.4	73.2	61.0	44.8	24.4	12.2
80°	73.2	73.2	77.3	73.2	65.1	61.0	52.9	40.7	20.3	8.1
82.5°	52.9	52.9	57.0	57.0	57.0	52.9	52.9	40.7	20.3	4.1
85°	36.6	36.6	44.8	40.7	40.7	44.8	65.1	52.9	16.3	4.1
87.5°	20.3	20.3	20.3	16.3	16.3	20.3	24.4	20.3	8.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
325141.9
319482.2
303890.6
276975.5
241743.7
201714.9
162292.3
126853.0
97757.0
77677.5
59457.4
32814.9
20323.7
13081.2
7596.5
4040.3
2172.7
1326.4
964.3
764.9
667.3
594.0
508.6
435.4
370.3
329.6
297.0
264.5
227.9
203.4
162.8
134.3
97.7
73.2
48.8
28.5
16.3
8.1
4.1
4.1
4.1
4.1
0.0

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