

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: P636208

Luminaire Tested: **IFLD-L-SA7C-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636208
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-935-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28169.1 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

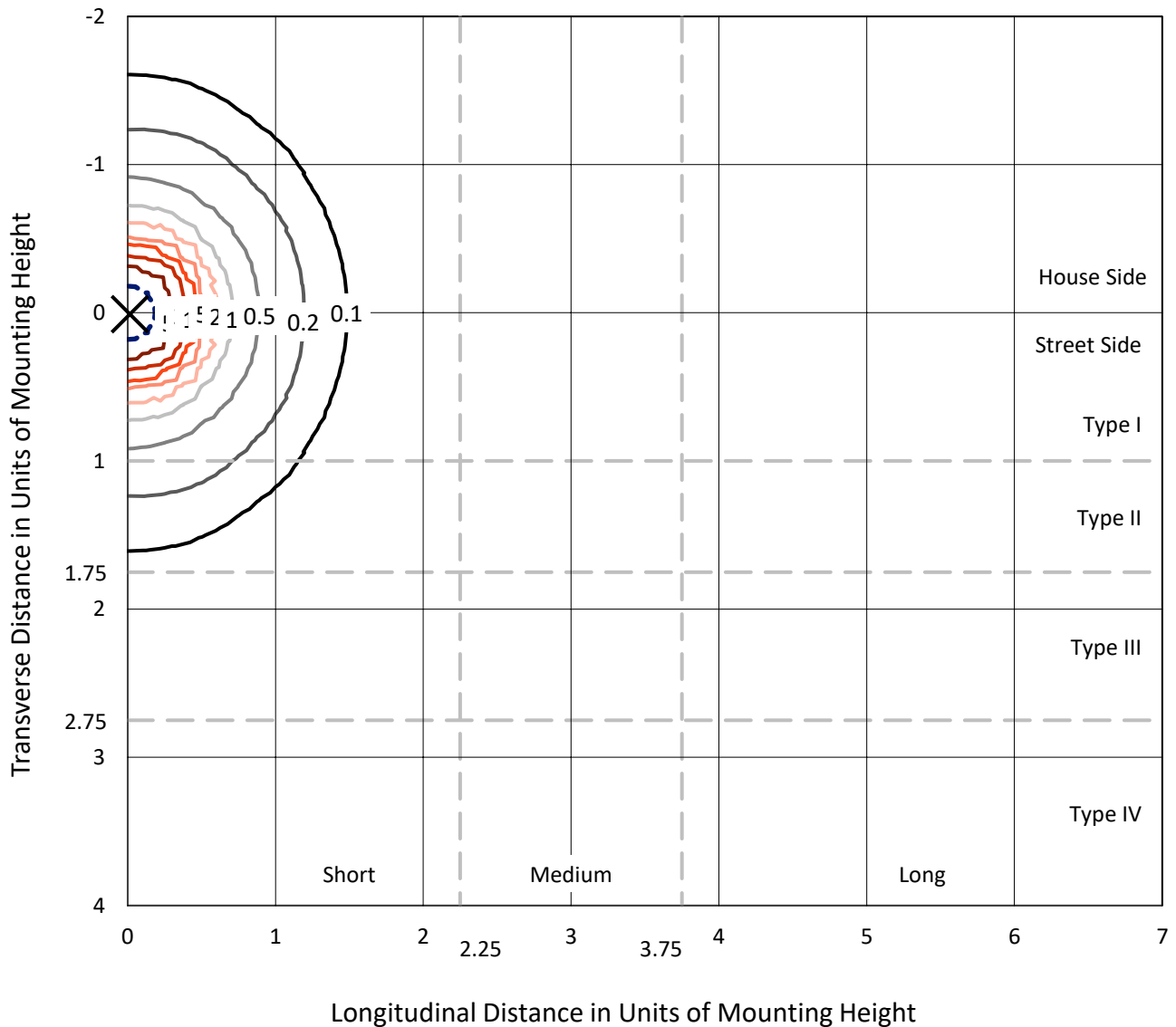
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

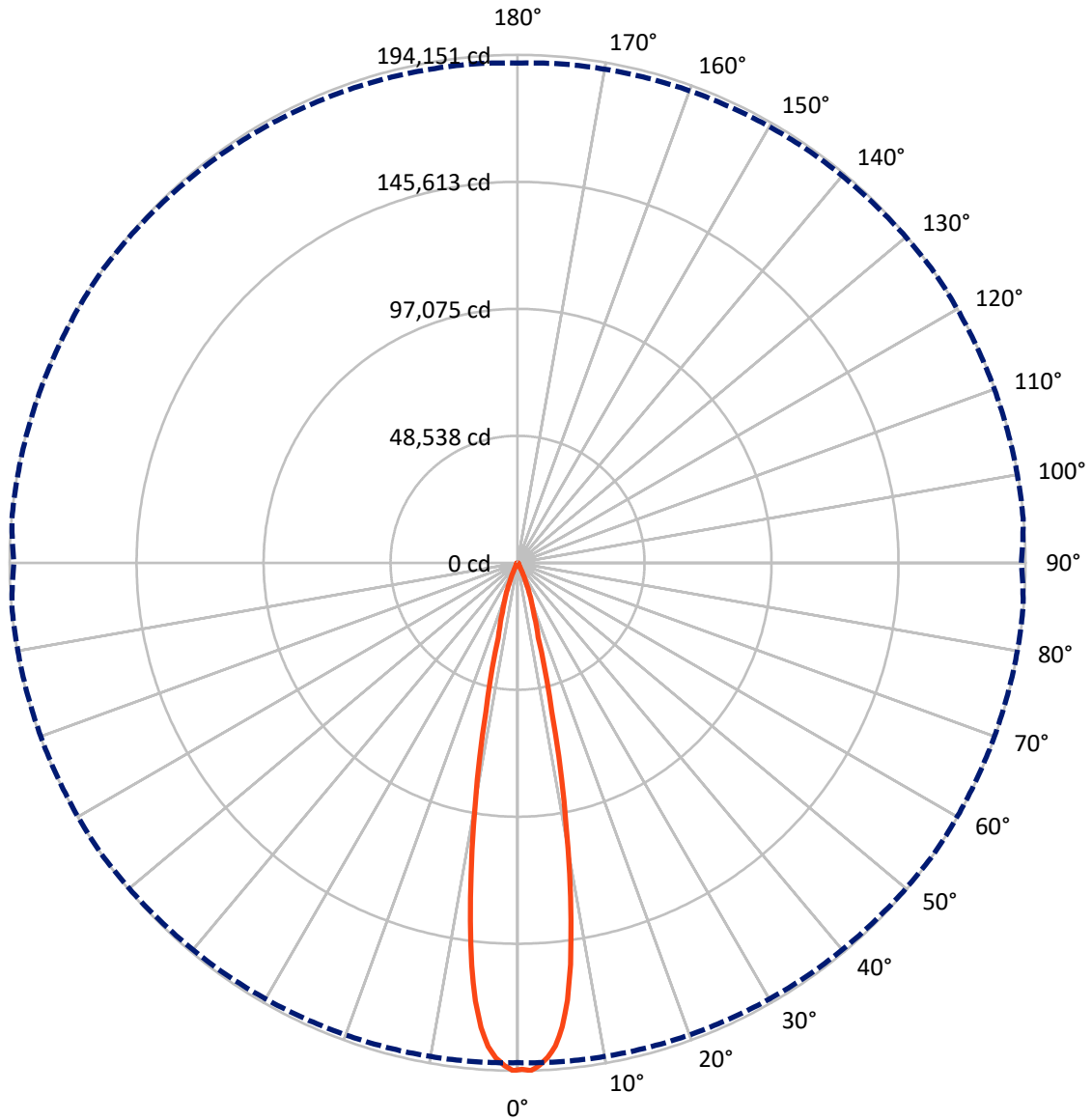
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 484.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14084.5	0.0	14084.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14084.5	0.0	14084.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28169.1	0.0	28169.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14312.0	50.8
10°-20°	10143.1	36.0
20°-30°	2376.7	8.4
30°-40°	496.7	1.8
40°-50°	320.5	1.1
50°-60°	237.4	0.8
60°-70°	161.3	0.6
70°-80°	86.1	0.3
80°-90°	35.3	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°	28169.1	100.0
0°-180°	28169.1	100.0

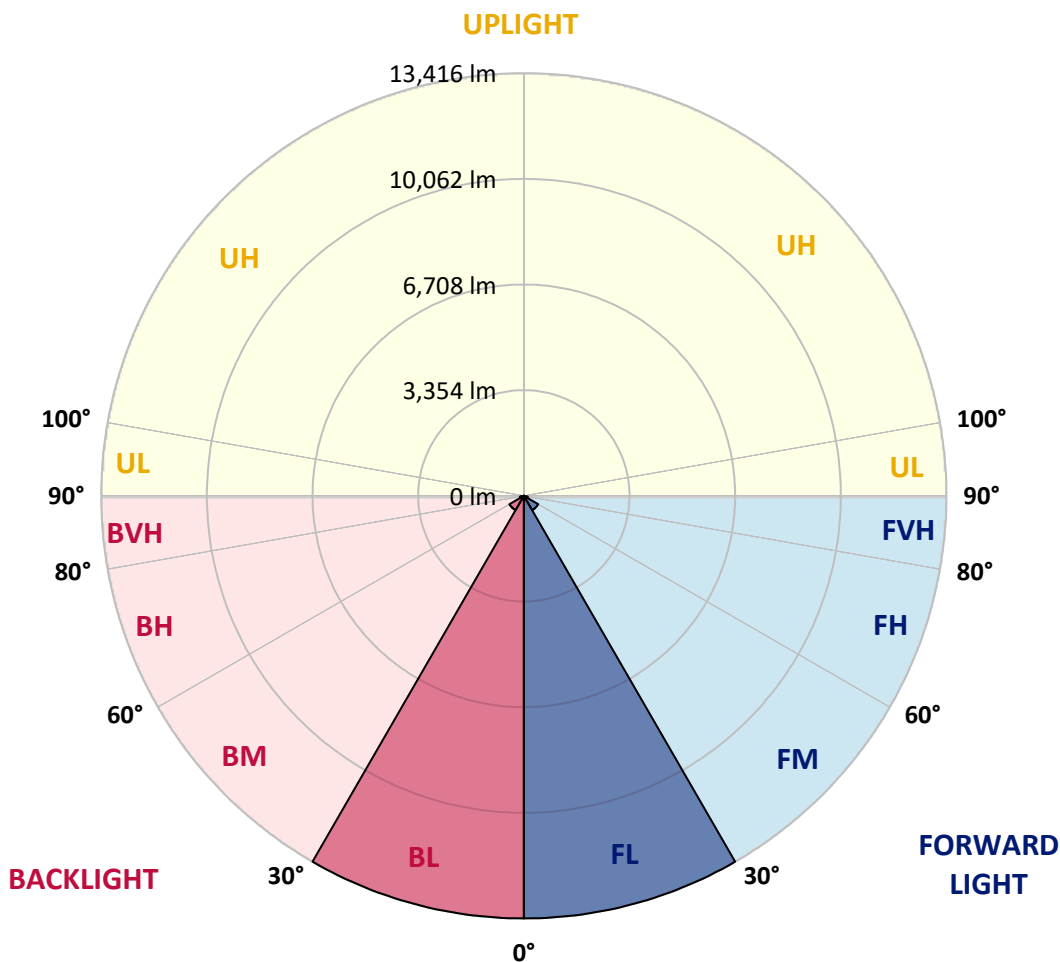


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13415.9	47.6			
FM (30°-60°)	527.3	1.9			
FH (60°-80°)	123.7	0.4			G0/660
FVH (80°-90°)	17.6	0.1			G1/100
BL (0°-30°)	13415.9	47.6	B5		
BM (30°-60°)	527.3	1.9	B1/1000		
BH (60°-80°)	123.7	0.4	B1/500		G0/660
BVH (80°-90°)	17.6	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°	193652.3	193652.3	193652.3	193652.3	193652.3	193652.3	193652.3	193652.3	193652.3	193652.3
1°	191046.9	191400.6	191834.0	192227.6	192820.4	193303.6	194150.5	193971.1	193946.2	193981.1
2°	187345.5	187788.9	188456.4	188850.0	190379.4	191007.1	192287.3	192666.0	192362.1	192705.8
3°	181800.9	182164.6	183210.7	183982.9	185965.6	187659.4	189373.1	189941.0	189587.3	189746.7
4°	175200.2	175573.9	176839.2	178413.4	181277.9	183156.0	185208.4	185716.5	184560.8	184640.5
5°	167344.1	167518.5	169067.8	170502.5	173929.9	176206.5	178154.4	178313.8	177257.7	176854.1
6°	158506.7	158192.8	159617.6	160225.3	164484.7	166806.1	168230.9	168046.6	167244.5	166900.8
7°	148005.3	147576.9	148727.7	148398.9	152170.0	153495.1	154865.1	154237.4	153599.7	154391.8
8°	135855.0	135615.9	134873.6	136218.7	136965.9	138151.6	138146.6	137782.9	137763.0	139083.1
9°	118190.0	120396.9	119744.3	121154.1	120964.8	120910.0	120546.4	120312.2	119315.9	120835.3
10°	98791.4	100236.1	101337.1	103439.3	103030.8	103608.7	101586.1	101929.9	101267.3	102522.7
12.5°	51136.8	52760.8	53712.3	55316.4	57079.9	58883.3	58300.4	57697.7	56796.0	57901.9
15°	25172.4	25815.0	26118.9	27747.9	29003.3	29456.6	29526.3	28993.3	28764.1	29003.3
17.5°	15448.1	15672.3	16554.1	18427.2	19513.2	19782.2	19607.8	19025.0	18372.4	18098.4
20°	11183.8	11248.6	11582.4	11946.0	13395.7	14152.9	13873.9	13301.0	12698.3	12414.3
22.5°	7303.1	7367.9	7477.5	7676.7	8065.3	9001.9	8698.0	8309.4	7900.9	7816.2
25°	4134.8	4134.8	4249.4	4453.6	4742.5	4812.3	4872.1	4458.6	4269.3	4184.6
27.5°	2306.5	2321.5	2346.4	2426.1	2570.5	2555.6	2490.8	2381.2	2251.7	2117.2
30°	1275.3	1290.3	1305.2	1325.1	1350.0	1305.2	1265.3	1245.4	1190.6	1175.7
32.5°	956.5	956.5	966.4	961.5	936.6	881.8	856.8	886.7	881.8	856.8
35°	787.1	787.1	797.1	817.0	767.2	727.3	707.4	747.2	747.2	732.3
37.5°	642.6	647.6	652.6	677.5	662.6	617.7	612.7	622.7	627.7	622.7
40°	562.9	557.9	557.9	562.9	553.0	543.0	533.0	528.1	533.0	528.1
42.5°	488.2	483.2	493.2	483.2	463.3	468.3	468.3	453.3	458.3	448.3
45°	428.4	423.4	428.4	418.5	403.5	408.5	408.5	388.6	388.6	383.6
47.5°	378.6	378.6	378.6	383.6	358.7	353.7	358.7	353.7	338.8	333.8
50°	328.8	333.8	338.8	348.7	323.8	313.8	313.8	313.8	303.9	298.9
52.5°	303.9	308.9	308.9	308.9	293.9	284.0	284.0	279.0	274.0	269.0
55°	293.9	293.9	293.9	274.0	269.0	264.0	249.1	244.1	239.1	239.1
57.5°	279.0	279.0	274.0	259.0	244.1	244.1	224.2	219.2	214.2	214.2
60°	249.1	249.1	249.1	244.1	224.2	219.2	199.3	189.3	184.3	184.3
62.5°	229.2	229.2	229.2	209.2	204.2	189.3	174.4	159.4	154.4	144.5
65°	209.2	209.2	209.2	189.3	179.3	164.4	144.5	129.5	119.6	104.6
67.5°	194.3	194.3	189.3	174.4	159.4	139.5	119.6	104.6	84.7	74.7
70°	169.4	169.4	164.4	154.4	139.5	124.5	99.6	79.7	64.8	49.8
72.5°	144.5	144.5	139.5	129.5	119.6	104.6	84.7	69.7	44.8	34.9
75°	119.6	119.6	114.6	104.6	99.6	89.7	74.7	54.8	34.9	14.9
77.5°	99.6	99.6	94.7	89.7	84.7	74.7	64.8	44.8	24.9	10.0
80°	74.7	79.7	79.7	79.7	69.7	64.8	59.8	44.8	19.9	5.0
82.5°	54.8	59.8	59.8	59.8	54.8	49.8	54.8	39.9	19.9	5.0
85°	39.9	39.9	44.8	44.8	44.8	44.8	59.8	44.8	14.9	5.0
87.5°	19.9	19.9	19.9	19.9	19.9	24.9	29.9	24.9	10.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
193652.3
192591.2
191400.6
188551.1
183454.9
176012.2
166128.6
154147.7
135421.6
118000.7
99304.5
54907.9
27887.4
17714.8
12195.1
7641.9
4114.9
2122.2
1175.7
841.9
727.3
622.7
533.0
453.3
383.6
333.8
293.9
264.0
234.1
214.2
179.3
134.5
104.6
69.7
49.8
29.9
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