

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: P636068

Luminaire Tested: **IFLD-L-SA8C-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636068
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-935-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31966.2 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

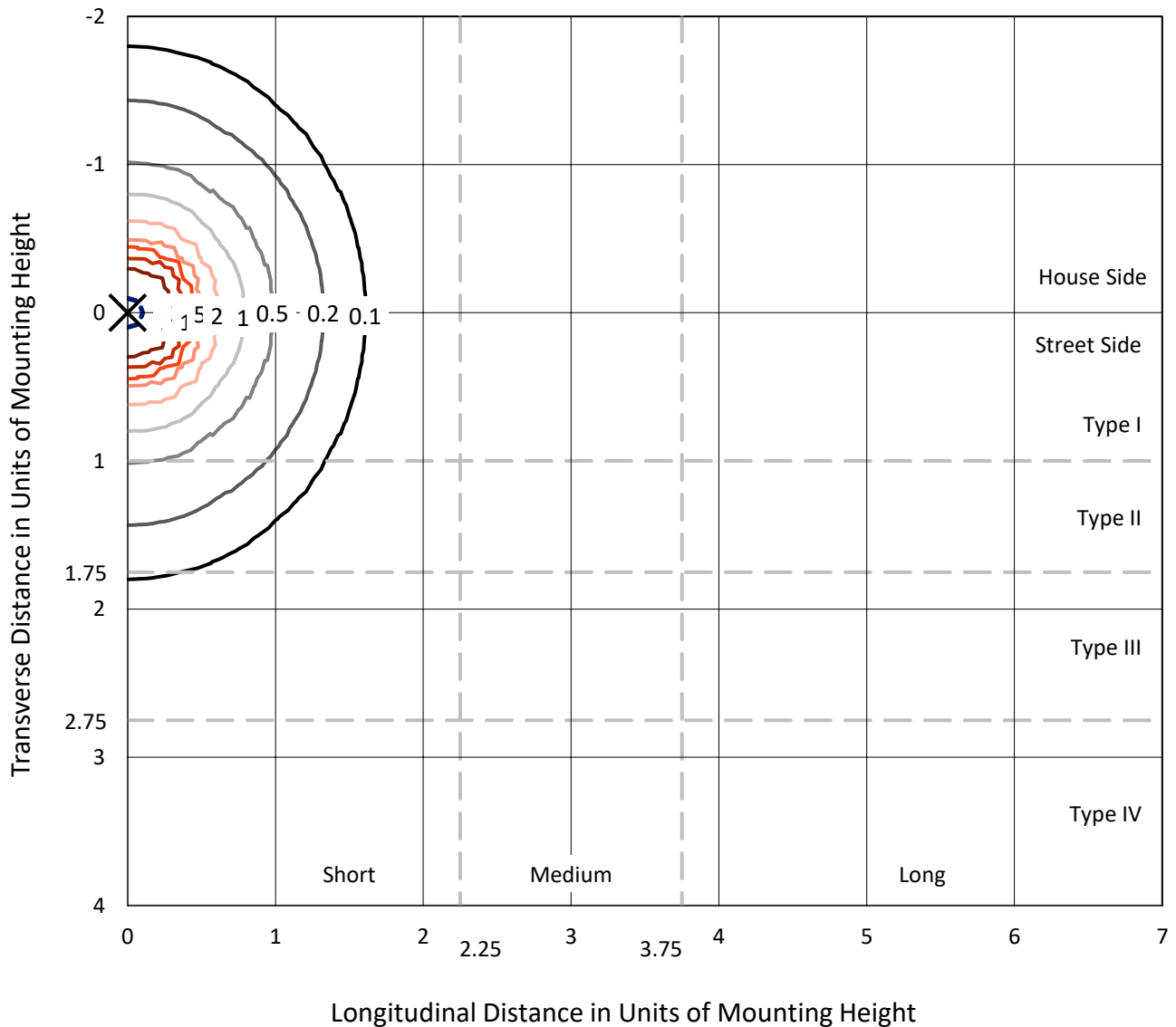
Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

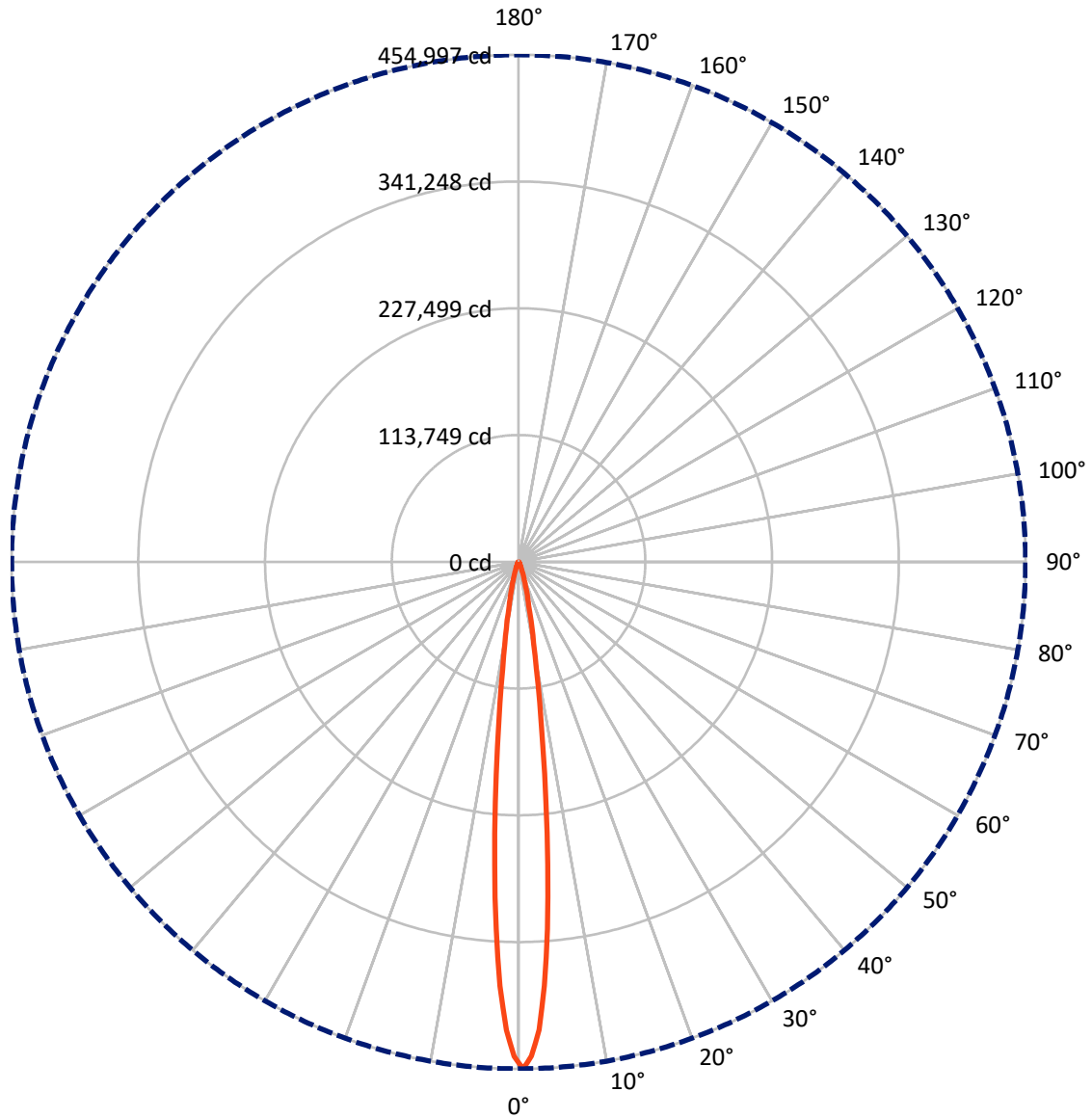
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1137.5 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	15983.1	0.0	15983.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15983.1	0.0	15983.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	31966.2	0.0	31966.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19486.0	61.0
10°-20°	8729.8	27.3
20°-30°	1949.6	6.1
30°-40°	636.3	2.0
40°-50°	438.9	1.4
50°-60°	331.5	1.0
60°-70°	226.9	0.7
70°-80°	119.5	0.4
80°-90°	47.7	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°	31966.2	100.0
0°-180°	31966.2	100.0

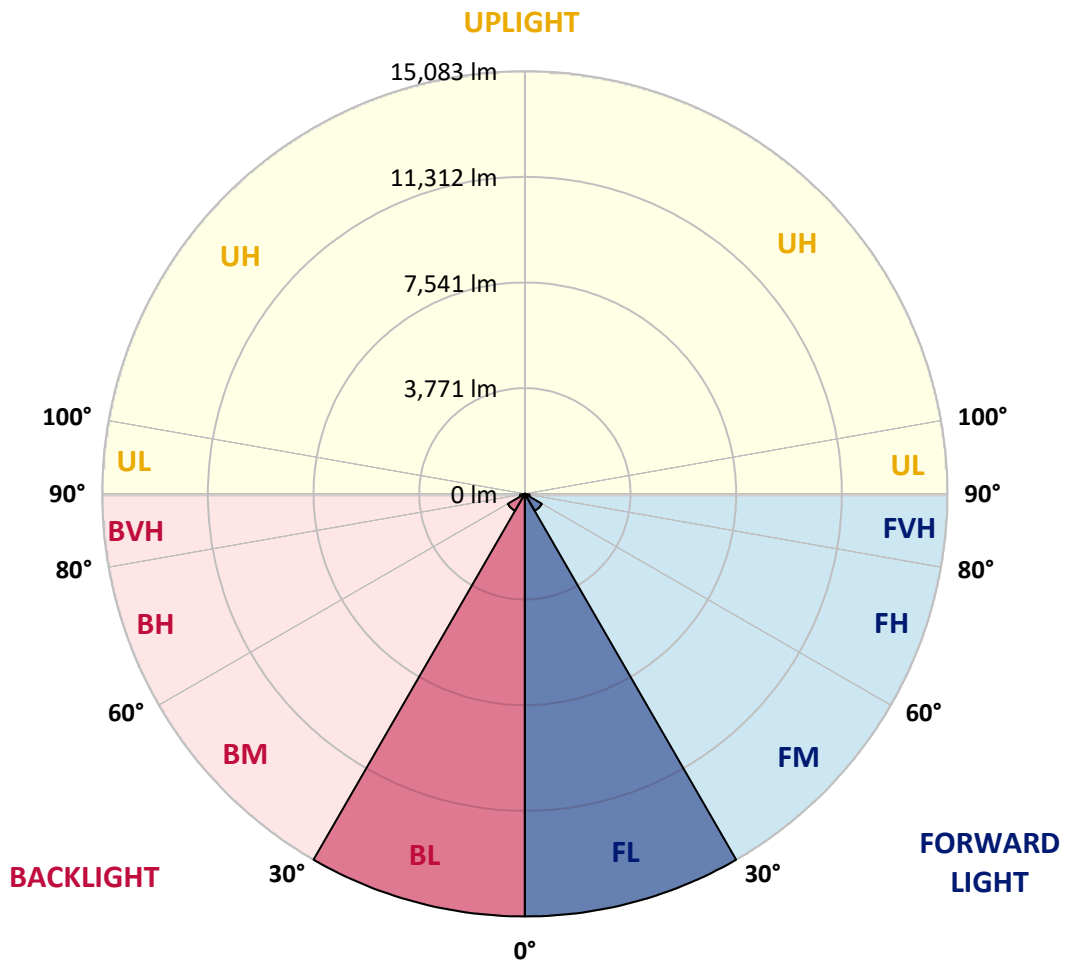


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15082.7	47.2			
FM (30°-60°)	703.4	2.2			
FH (60°-80°)	173.2	0.5			G0/660
FVH (80°-90°)	23.8	0.1			G1/100
BL (0°-30°)	15082.7	47.2	B5		
BM (30°-60°)	703.4	2.2	B1/1000		
BH (60°-80°)	173.2	0.5	B1/500		G0/660
BVH (80°-90°)	23.8	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°	454997.1	454997.1	454997.1	454997.1	454997.1	454997.1	454997.1	454997.1	454997.1	454997.1
1°	443700.6	444304.1	443632.3	447025.8	448426.4	449155.2	449240.7	451153.8	449679.1	450089.0
2°	420316.2	421659.9	419410.8	421585.9	425935.9	427581.4	424899.7	428213.5	427029.2	427718.1
3°	381023.3	382668.8	379560.0	382219.0	387816.0	389068.6	384673.0	389381.8	389262.2	390252.9
4°	330376.9	333047.3	328606.2	331754.8	334231.6	338593.1	334334.1	339692.0	339589.5	341309.0
5°	272886.7	275773.4	271913.0	275181.3	277527.1	279149.8	277589.7	283517.0	283892.8	285669.2
6°	216631.9	219325.1	215014.9	218135.1	221853.1	222519.3	222115.1	227216.7	228349.8	226966.2
7°	166720.1	167392.0	166714.4	169549.9	172533.5	172641.6	173165.5	177652.2	178648.6	178170.3
8°	127683.4	124608.8	127250.7	128753.9	129676.2	133912.4	134225.6	136486.0	138319.4	138450.4
9°	97193.1	94346.2	97403.8	98001.6	100119.7	103883.3	103410.8	105881.9	107032.0	106958.0
10°	74099.1	72652.9	74184.5	74845.0	76587.3	79775.8	80328.1	81461.2	82315.2	82873.2
12.5°	40209.6	40545.5	41433.8	42128.4	44474.3	45322.6	45664.3	45761.1	45755.4	45846.5
15°	24978.7	25252.0	25872.6	27130.9	28560.1	29613.4	29761.5	29214.9	28742.3	28668.3
17.5°	15578.2	15470.0	16927.7	18305.6	20025.1	20571.7	20002.3	19376.0	18732.6	18362.5
20°	9349.2	9423.2	9918.6	10533.5	11922.8	12868.0	12275.8	11638.1	10971.9	10533.5
22.5°	5312.3	5392.0	5608.4	5927.2	6456.8	7316.5	6940.7	6297.3	5824.8	5631.2
25°	3137.3	3137.3	3268.2	3410.6	3632.6	3831.9	3752.2	3410.6	3131.6	3051.9
27.5°	2032.7	2015.6	2061.2	2129.5	2232.0	2243.4	2152.3	2049.8	1907.4	1856.2
30°	1486.1	1491.8	1486.1	1514.6	1508.9	1469.0	1412.1	1417.8	1360.8	1355.1
32.5°	1207.1	1212.8	1212.8	1207.1	1178.6	1116.0	1076.1	1116.0	1104.6	1093.2
35°	1002.1	1007.8	1064.7	1059.0	1013.5	945.2	916.7	962.3	996.4	945.2
37.5°	865.5	871.2	916.7	939.5	882.5	837.0	802.8	842.7	893.9	837.0
40°	763.0	768.7	780.1	785.7	757.3	734.5	717.4	728.8	751.6	723.1
42.5°	671.9	666.2	671.9	666.2	632.0	643.4	632.0	614.9	632.0	609.2
45°	586.5	586.5	586.5	569.4	535.2	558.0	546.6	529.5	535.2	518.1
47.5°	535.2	535.2	535.2	512.4	484.0	484.0	489.7	461.2	466.9	461.2
50°	484.0	484.0	495.4	472.6	449.8	432.7	438.4	415.6	421.3	415.6
52.5°	444.1	444.1	444.1	432.7	415.6	404.3	392.9	381.5	375.8	370.1
55°	427.0	427.0	421.3	387.2	381.5	370.1	347.3	341.6	330.2	324.5
57.5°	398.6	398.6	392.9	364.4	341.6	341.6	307.5	301.8	284.7	284.7
60°	353.0	353.0	347.3	341.6	313.2	296.1	273.3	261.9	244.8	239.1
62.5°	335.9	335.9	324.5	296.1	290.4	261.9	239.1	216.4	205.0	193.6
65°	313.2	307.5	301.8	273.3	250.5	233.4	205.0	176.5	165.1	142.3
67.5°	279.0	279.0	273.3	250.5	227.8	199.3	170.8	148.0	119.6	102.5
70°	244.8	239.1	239.1	216.4	199.3	176.5	136.7	113.9	85.4	68.3
72.5°	205.0	205.0	199.3	182.2	170.8	153.7	119.6	91.1	56.9	45.6
75°	165.1	165.1	159.4	148.0	142.3	125.3	102.5	79.7	45.6	22.8
77.5°	136.7	131.0	131.0	119.6	113.9	102.5	85.4	62.6	34.2	17.1
80°	102.5	102.5	108.2	102.5	91.1	85.4	74.0	56.9	28.5	11.4
82.5°	74.0	74.0	79.7	79.7	79.7	74.0	74.0	56.9	28.5	5.7
85°	51.2	51.2	62.6	56.9	56.9	62.6	91.1	74.0	22.8	5.7
87.5°	28.5	28.5	28.5	22.8	22.8	28.5	34.2	28.5	11.4	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

454997.1
447077.0
425258.4
387593.9
338291.3
282275.7
227108.5
177515.5
136799.2
108700.3
83203.5
45920.5
28440.5
18305.6
10630.3
5653.9
3040.5
1856.2
1349.4
1070.4
933.8
831.3
711.7
609.2
518.1
461.2
415.6
370.1
318.9
284.7
227.8
187.9
136.7
102.5
68.3
39.9
22.8
11.4
5.7
5.7
5.7
5.7
0.0

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