

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: P636184

Luminaire Tested: **IFLD-L-SA8C-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636184
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-930-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31029.8 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

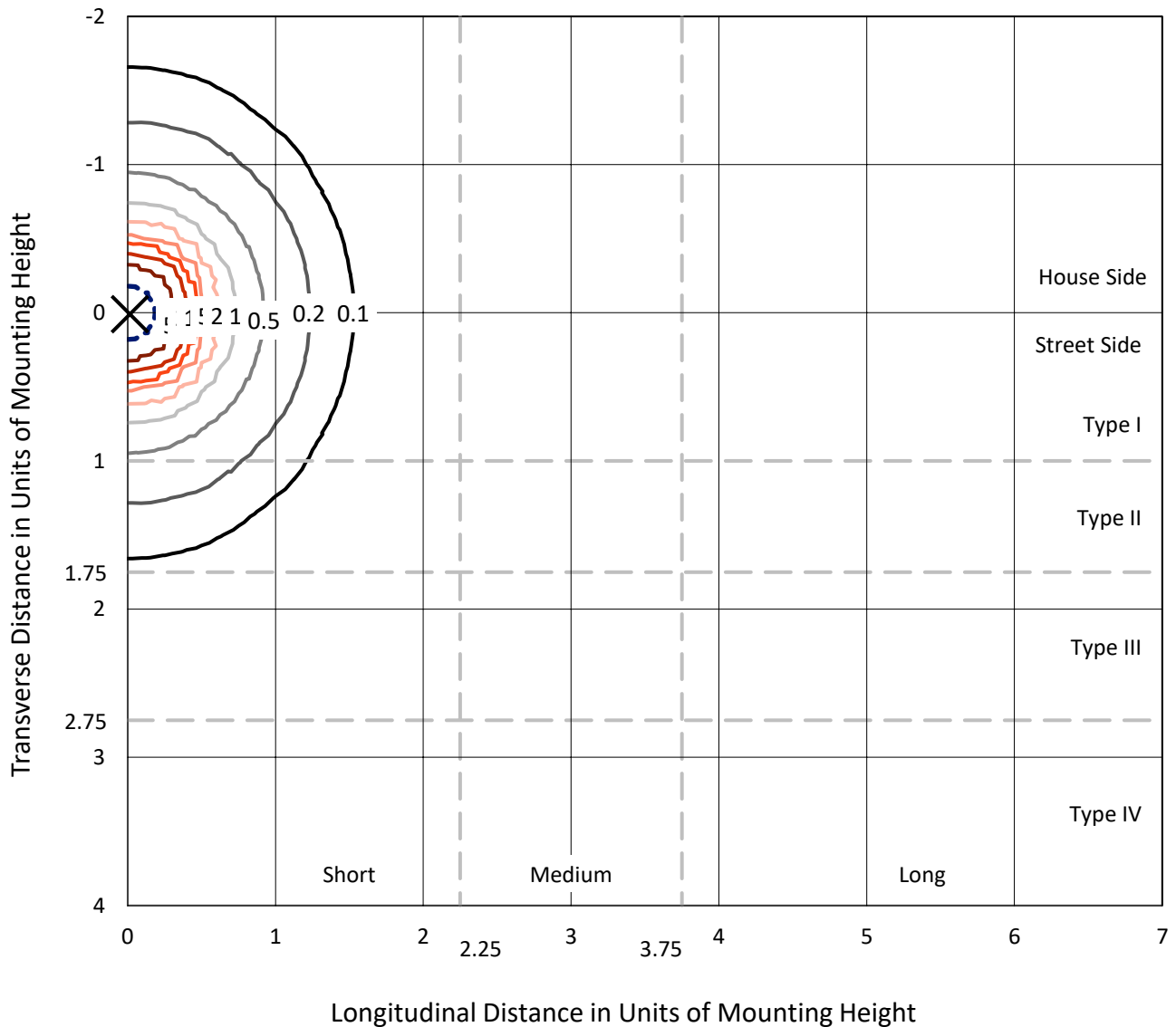
Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

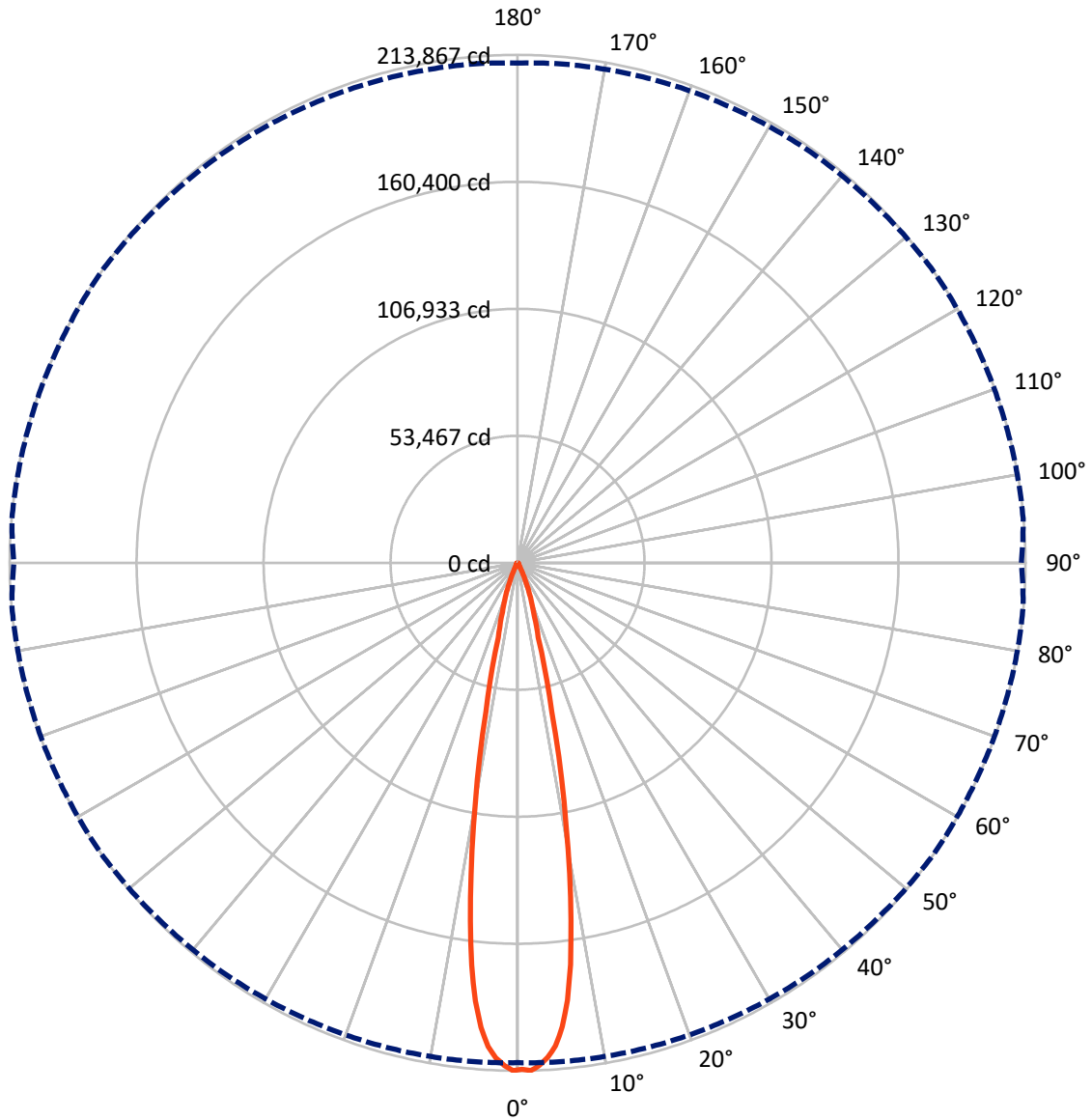
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 533.3 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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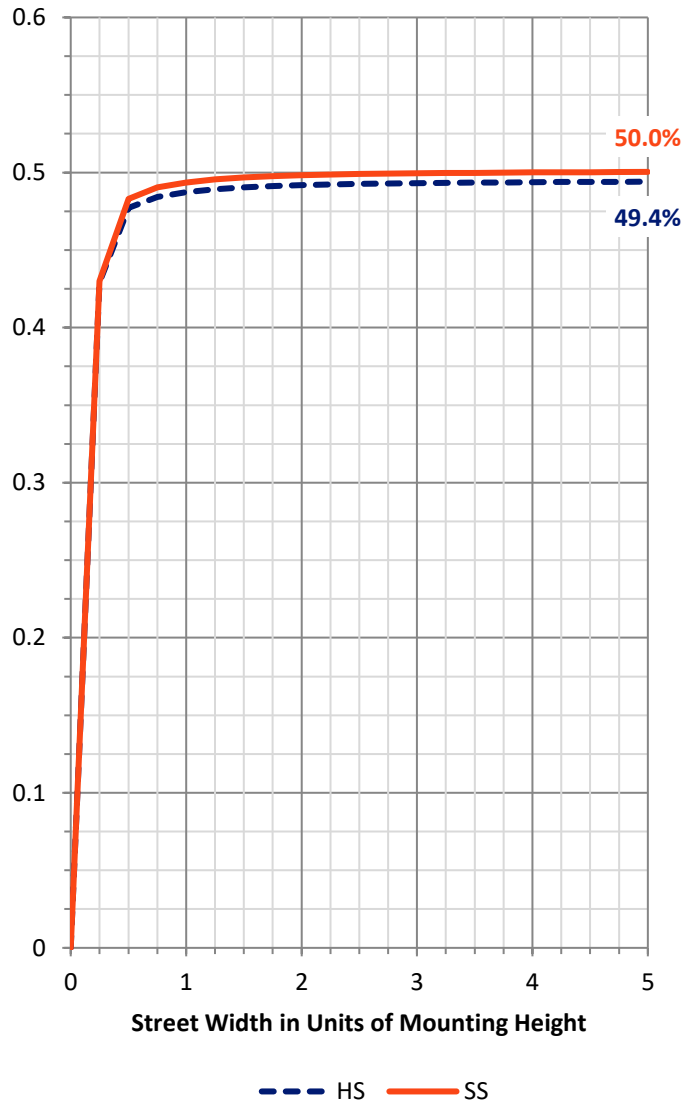
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15514.9	0.0	15514.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15514.9	0.0	15514.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	31029.8	0.0	31029.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15765.4	50.8
10°-20°	11173.1	36.0
20°-30°	2618.1	8.4
30°-40°	547.2	1.8
40°-50°	353.0	1.1
50°-60°	261.5	0.8
60°-70°	177.7	0.6
70°-80°	94.9	0.3
80°-90°	38.9	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°	31029.8	100.0
0°-180°	31029.8	100.0

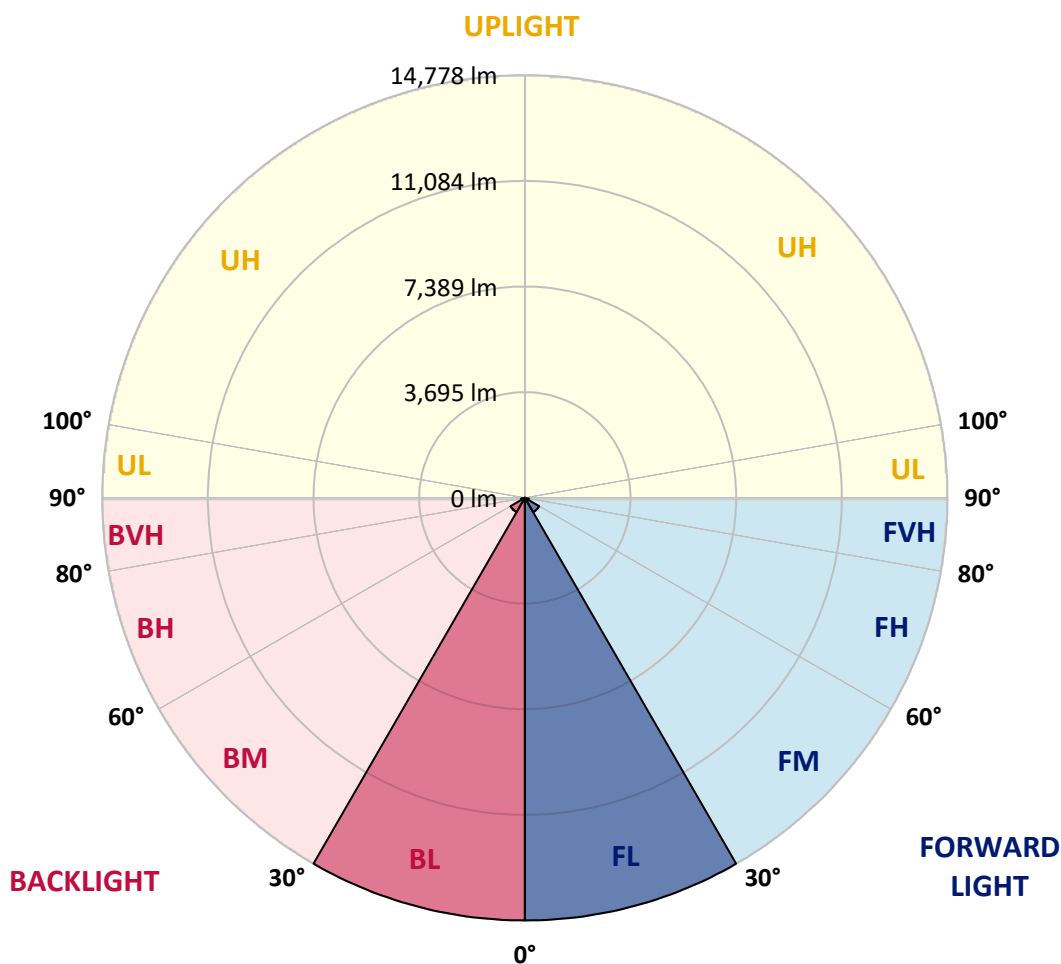


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14778.3	47.6			
FM (30°-60°)	580.8	1.9			
FH (60°-80°)	136.3	0.4			G0/660
FVH (80°-90°)	19.4	0.1			G1/100
BL (0°-30°)	14778.3	47.6	B5		
BM (30°-60°)	580.8	1.9	B1/1000		
BH (60°-80°)	136.3	0.4	B1/500		G0/660
BVH (80°-90°)	19.4	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°	213318.1	213318.1	213318.1	213318.1	213318.1	213318.1	213318.1	213318.1	213318.1	213318.1
1°	210448.1	210837.7	211315.2	211748.7	212401.7	212934.0	213866.9	213669.3	213641.9	213680.3
2°	206370.9	206859.3	207594.6	208028.1	209712.8	210404.2	211814.5	212231.6	211896.8	212275.5
3°	200263.2	200663.8	201816.2	202666.8	204850.8	206716.6	208604.3	209229.9	208840.3	209015.9
4°	192992.2	193403.7	194797.6	196531.7	199687.0	201755.8	204016.7	204576.4	203303.3	203391.1
5°	184338.3	184530.4	186237.0	187817.4	191592.8	194100.7	196246.3	196421.9	195258.5	194814.1
6°	174603.3	174257.6	175827.1	176496.6	181188.4	183745.6	185315.1	185112.0	184228.5	183849.9
7°	163035.6	162563.6	163831.3	163469.1	167623.2	169082.9	170591.9	169900.5	169198.1	170070.6
8°	149651.4	149388.0	148570.3	150052.0	150875.1	152181.2	152175.7	151775.1	151753.1	153207.3
9°	130192.5	132623.5	131904.6	133457.6	133249.1	133188.7	132788.1	132530.2	131432.7	133106.4
10°	108823.9	110415.3	111628.1	113943.8	113493.8	114130.4	111902.4	112281.1	111551.2	112934.1
12.5°	56329.9	58118.8	59166.9	60933.9	62876.5	64863.0	64221.0	63557.0	62563.7	63782.0
15°	27728.7	28436.6	28771.3	30565.7	31948.6	32448.0	32524.8	31937.6	31685.2	31948.6
17.5°	17016.9	17263.9	18235.2	20298.5	21494.8	21791.1	21599.1	20957.0	20238.1	19936.3
20°	12319.6	12390.9	12758.6	13159.2	14756.1	15590.2	15282.9	14651.8	13987.8	13675.0
22.5°	8044.8	8116.1	8236.8	8456.3	8884.4	9916.0	9581.3	9153.3	8703.3	8610.0
25°	4554.7	4554.7	4680.9	4905.9	5224.2	5301.0	5366.8	4911.4	4702.8	4609.6
27.5°	2540.7	2557.2	2584.6	2672.4	2831.6	2815.1	2743.8	2623.1	2480.4	2332.2
30°	1404.8	1421.3	1437.7	1459.7	1487.1	1437.7	1393.8	1371.9	1311.5	1295.1
32.5°	1053.6	1053.6	1064.6	1059.1	1031.7	971.3	943.9	976.8	971.3	943.9
35°	867.0	867.0	878.0	900.0	845.1	801.2	779.2	823.1	823.1	806.7
37.5°	707.9	713.4	718.9	746.3	729.8	680.5	675.0	685.9	691.4	685.9
40°	620.1	614.6	614.6	620.1	609.1	598.1	587.2	581.7	587.2	581.7
42.5°	537.8	532.3	543.3	532.3	510.3	515.8	515.8	499.4	504.9	493.9
45°	471.9	466.4	471.9	461.0	444.5	450.0	450.0	428.0	428.0	422.5
47.5°	417.1	417.1	417.1	422.5	395.1	389.6	395.1	389.6	373.2	367.7
50°	362.2	367.7	373.2	384.1	356.7	345.7	345.7	345.7	334.7	329.3
52.5°	334.7	340.2	340.2	340.2	323.8	312.8	312.8	307.3	301.8	296.3
55°	323.8	323.8	323.8	301.8	296.3	290.8	274.4	268.9	263.4	263.4
57.5°	307.3	307.3	301.8	285.4	268.9	268.9	246.9	241.5	236.0	236.0
60°	274.4	274.4	274.4	268.9	246.9	241.5	219.5	208.5	203.0	203.0
62.5°	252.4	252.4	252.4	230.5	225.0	208.5	192.1	175.6	170.1	159.1
65°	230.5	230.5	230.5	208.5	197.6	181.1	159.1	142.7	131.7	115.2
67.5°	214.0	214.0	208.5	192.1	175.6	153.7	131.7	115.2	93.3	82.3
70°	186.6	186.6	181.1	170.1	153.7	137.2	109.8	87.8	71.3	54.9
72.5°	159.1	159.1	153.7	142.7	131.7	115.2	93.3	76.8	49.4	38.4
75°	131.7	131.7	126.2	115.2	109.8	98.8	82.3	60.4	38.4	16.5
77.5°	109.8	109.8	104.3	98.8	93.3	82.3	71.3	49.4	27.4	11.0
80°	82.3	87.8	87.8	87.8	76.8	71.3	65.9	49.4	22.0	5.5
82.5°	60.4	65.9	65.9	65.9	60.4	54.9	60.4	43.9	22.0	5.5
85°	43.9	43.9	49.4	49.4	49.4	49.4	65.9	49.4	16.5	5.5
87.5°	22.0	22.0	22.0	22.0	22.0	27.4	32.9	27.4	11.0	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°
213318.1
212149.3
210837.7
207698.9
202085.1
193886.7
182999.3
169801.7
149174.0
129984.0
109389.1
60483.9
30719.4
19513.8
13433.6
8417.9
4532.7
2337.7
1295.1
927.4
801.2
685.9
587.2
499.4
422.5
367.7
323.8
290.8
257.9
236.0
197.6
148.2
115.2
76.8
54.9
32.9
16.5
5.5
5.5
5.5
5.5
0.0
0.0

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