

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: P636304

Luminaire Tested: **IFLD-S-SA2C-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636304
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-930-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8504.4 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

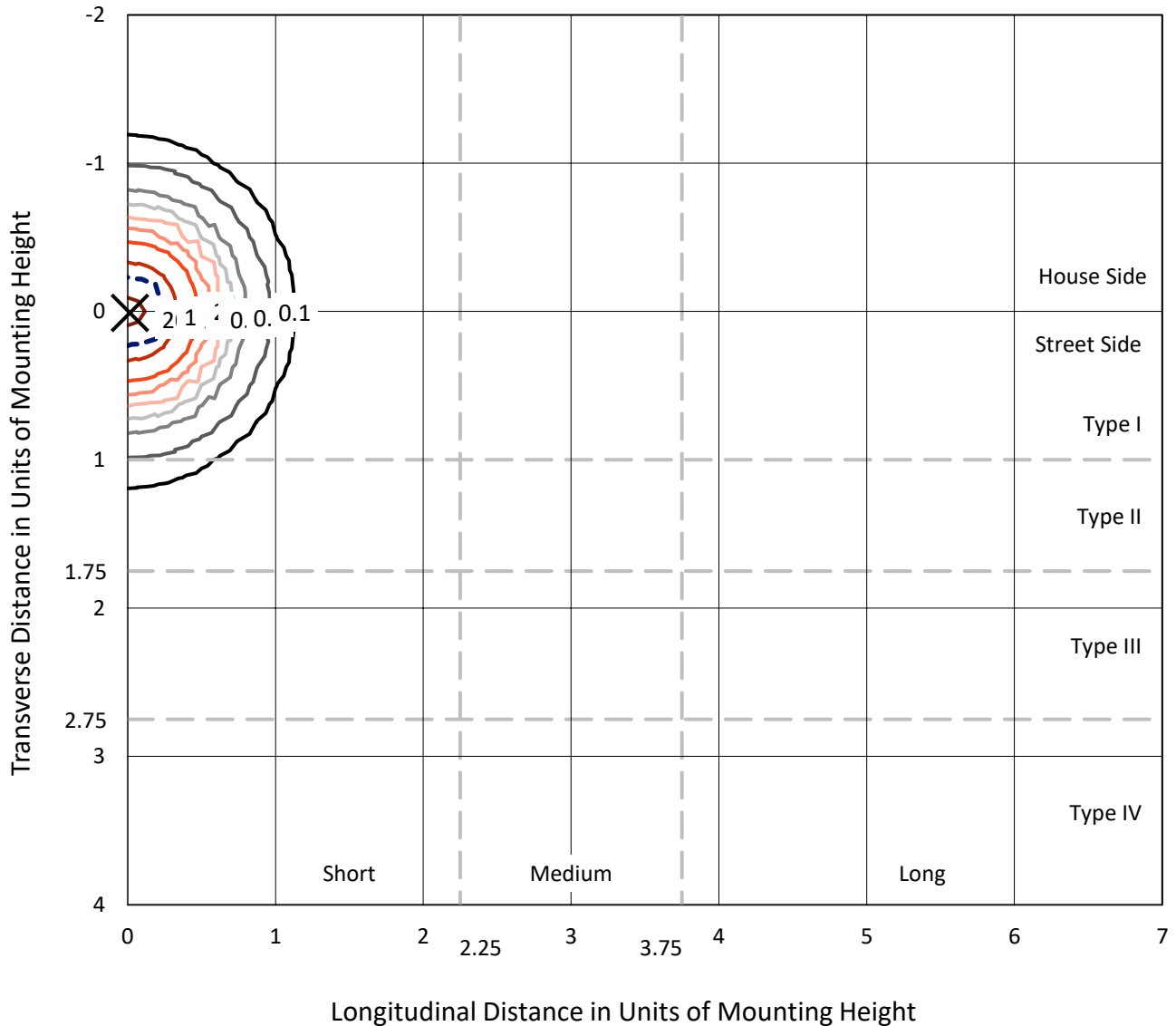
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

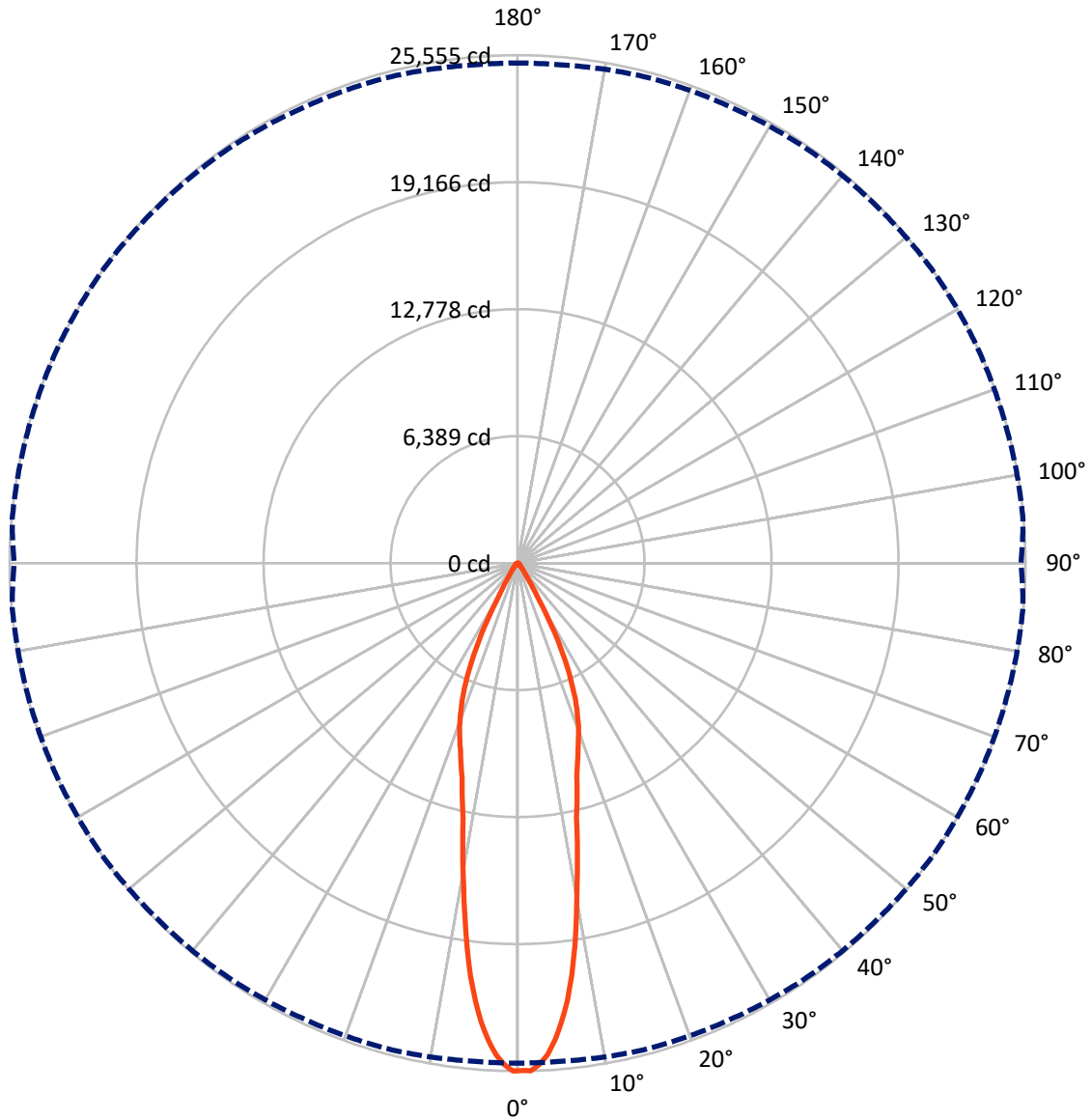
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 63.8 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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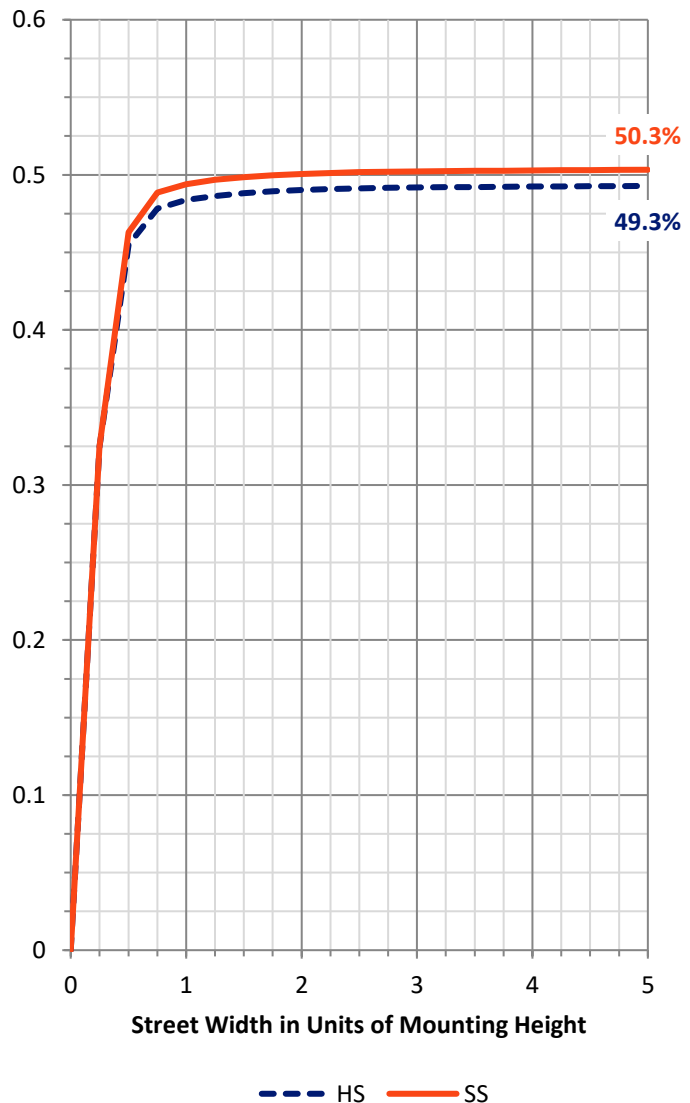
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4252.2	0.0	4252.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4252.2	0.0	4252.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	8504.4	0.0	8504.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1942.2	22.8
10°-20°	3172.1	37.3
20°-30°	2478.8	29.1
30°-40°	540.3	6.4
40°-50°	160.0	1.9
50°-60°	100.0	1.2
60°-70°	70.0	0.8
70°-80°	30.0	0.4
80°-90°	11.1	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°	8504.4	100.0
0°-180°	8504.4	100.0



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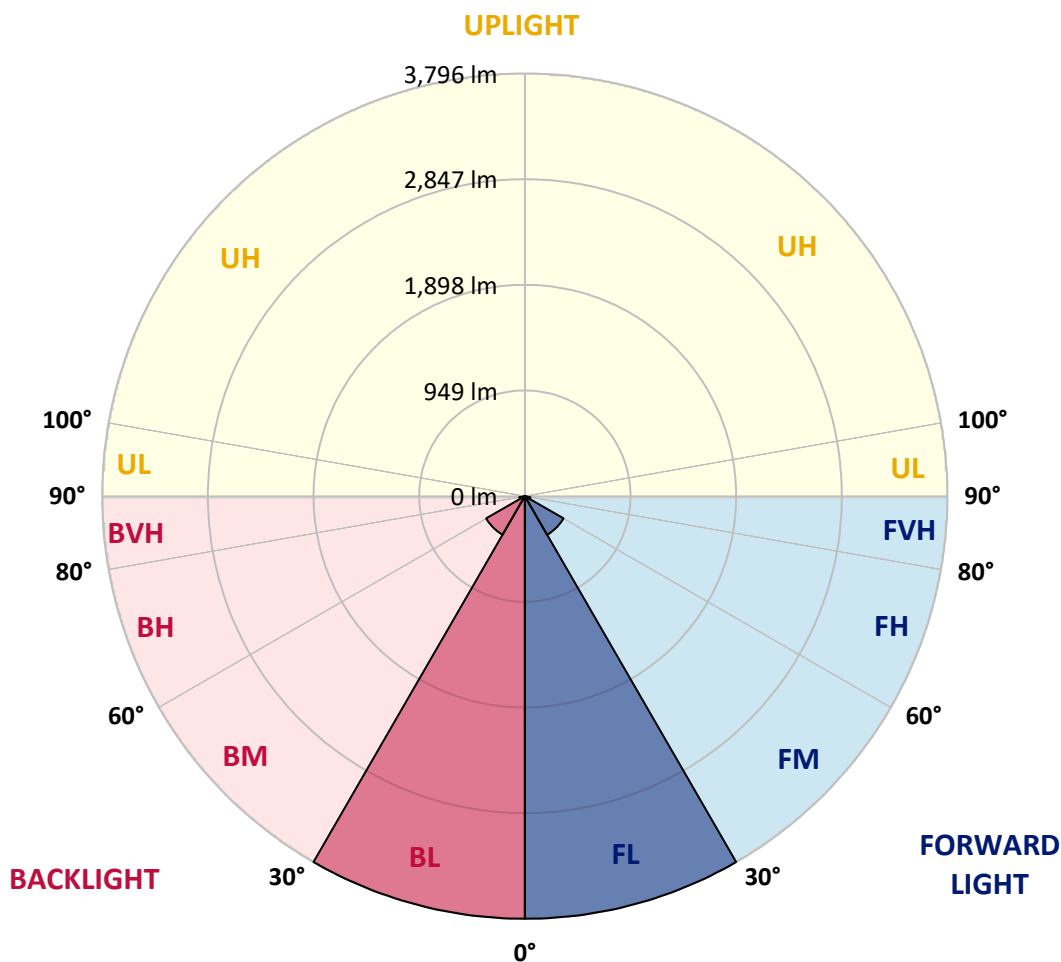
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3796.5	44.6			
FM (30°-60°)	400.2	4.7			
FH (60°-80°)	50.0	0.6			G0/660
FVH (80°-90°)	5.6	0.1			G0/10
BL (0°-30°)	3796.5	44.6	B4/5000		
BM (30°-60°)	400.2	4.7	B1/1000		
BH (60°-80°)	50.0	0.6	B0/110		G0/660
BVH (80°-90°)	5.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	25526.0	25526.0	25526.0	25526.0	25526.0	25526.0	25526.0	25526.0	25526.0	25526.0
1°	25156.5	25159.6	25296.6	25327.4	25421.3	25469.0	25555.2	25546.0	25519.8	25522.9
2°	24693.1	24673.1	24800.8	24942.5	25054.9	25147.3	25250.4	25272.0	25247.3	25270.4
3°	23931.0	23901.7	24080.3	24257.4	24452.9	24611.5	24767.0	24773.1	24743.9	24742.3
4°	22928.7	22874.9	23087.3	23402.9	23649.3	23860.2	24054.2	24051.1	24011.1	24043.4
5°	21717.1	21649.4	21924.9	22340.6	22705.5	22959.5	23173.5	23122.7	23030.3	23035.0
6°	20229.9	20296.1	20633.2	21216.7	21647.8	21858.7	22122.0	22026.6	21866.4	21849.5
7°	18832.0	18981.3	19250.7	19954.3	20467.0	20688.7	20911.9	20719.5	20502.4	20467.0
8°	17360.1	17609.5	17982.1	18630.3	19176.8	19400.1	19484.7	19278.4	19046.0	19036.7
9°	16167.0	16337.9	16658.1	17229.3	17785.1	17934.4	17952.9	17772.7	17540.3	17555.7
10°	15081.6	15113.9	15391.0	15882.2	16327.1	16433.3	16428.7	16297.8	16106.9	16157.7
12.5°	12652.1	12739.9	12820.0	12977.0	13126.3	13195.6	13169.4	13115.6	13010.9	13015.5
15°	11003.3	11001.7	11011.0	11083.3	11128.0	11135.7	11135.7	11067.9	11023.3	11089.5
17.5°	9548.4	9628.4	9771.6	9830.1	9888.6	9867.1	9827.0	9796.3	9767.0	9824.0
20°	8416.8	8452.2	8453.8	8492.2	8787.8	8803.2	8752.4	8664.7	8590.8	8576.9
22.5°	7143.6	7197.5	7220.6	7254.4	7285.2	7510.0	7450.0	7308.3	7220.6	7194.4
25°	5362.3	5343.8	5494.7	5771.8	5816.5	5844.2	5828.8	5754.9	5697.9	5708.7
27.5°	3705.7	3738.1	3731.9	3735.0	4029.0	4027.5	4022.9	3958.2	3941.3	3916.7
30°	2072.3	2056.9	2064.6	2044.5	2003.0	2053.8	1972.2	2041.5	1973.7	1995.3
32.5°	1225.5	1214.7	1203.9	1208.6	1177.8	1102.3	1070.0	1117.7	1102.3	1096.2
35°	782.1	786.7	800.6	799.0	771.3	728.2	682.0	725.1	719.0	700.5
37.5°	498.8	498.8	503.4	543.5	520.4	483.4	451.1	469.6	468.0	464.9
40°	354.1	354.1	360.3	371.0	358.7	340.2	321.8	321.8	324.8	315.6
42.5°	263.3	263.3	269.4	275.6	260.2	254.0	244.8	238.6	246.3	238.6
45°	206.3	204.8	206.3	203.2	194.0	194.0	186.3	177.0	186.3	181.7
47.5°	169.4	167.8	166.3	160.1	150.9	152.4	149.3	141.6	146.3	144.7
50°	147.8	144.7	146.3	140.1	132.4	130.9	130.9	123.2	124.7	124.7
52.5°	129.3	129.3	127.8	124.7	121.6	115.5	117.0	109.3	109.3	109.3
55°	121.6	121.6	118.5	112.4	113.9	109.3	104.7	100.1	98.5	98.5
57.5°	120.1	120.1	118.5	112.4	107.8	106.2	100.1	93.9	89.3	90.8
60°	117.0	117.0	113.9	112.4	104.7	101.6	92.4	87.8	81.6	81.6
62.5°	112.4	110.8	104.7	95.5	95.5	87.8	81.6	72.4	67.7	66.2
65°	95.5	93.9	89.3	81.6	77.0	72.4	63.1	53.9	50.8	46.2
67.5°	78.5	78.5	75.4	67.7	64.7	58.5	47.7	41.6	33.9	30.8
70°	64.7	64.7	61.6	57.0	53.9	46.2	36.9	30.8	23.1	20.0
72.5°	52.3	52.3	49.3	46.2	43.1	38.5	30.8	23.1	15.4	12.3
75°	41.6	41.6	40.0	36.9	33.9	30.8	24.6	18.5	10.8	6.2
77.5°	33.9	33.9	32.3	30.8	27.7	24.6	20.0	15.4	7.7	3.1
80°	26.2	26.2	26.2	26.2	23.1	20.0	16.9	12.3	6.2	1.5
82.5°	18.5	18.5	20.0	23.1	18.5	15.4	15.4	12.3	4.6	1.5
85°	12.3	13.9	15.4	13.9	12.3	12.3	21.6	20.0	4.6	1.5
87.5°	6.2	6.2	6.2	6.2	6.2	4.6	6.2	4.6	3.1	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°
25526.0
25333.5
25088.7
24608.4
23891.0
22810.2
21624.7
20299.2
18699.6
17326.3
15979.1
12863.1
10935.5
9693.1
8487.6
7100.5
5671.8
3827.4
2021.4
1080.8
680.5
458.8
312.5
237.1
181.7
144.7
126.2
109.3
97.0
90.8
77.0
63.1
44.6
29.3
18.5
10.8
4.6
3.1
1.5
1.5
1.5
0.0
0.0

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