

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: P636187

Luminaire Tested: **IFLD-S-SA2B-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636187
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-935-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7255.2 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

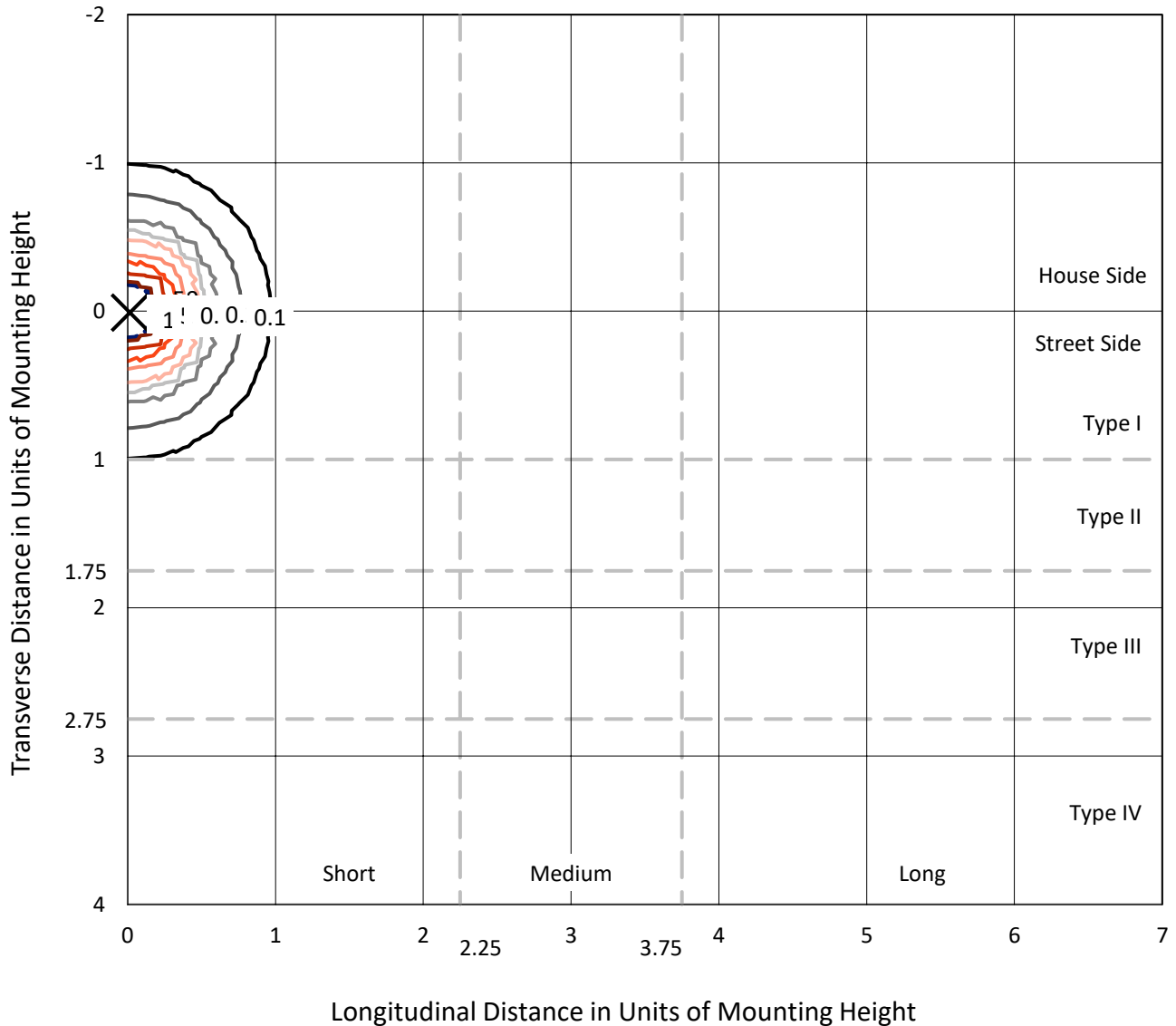
Input Watts (W): 82.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

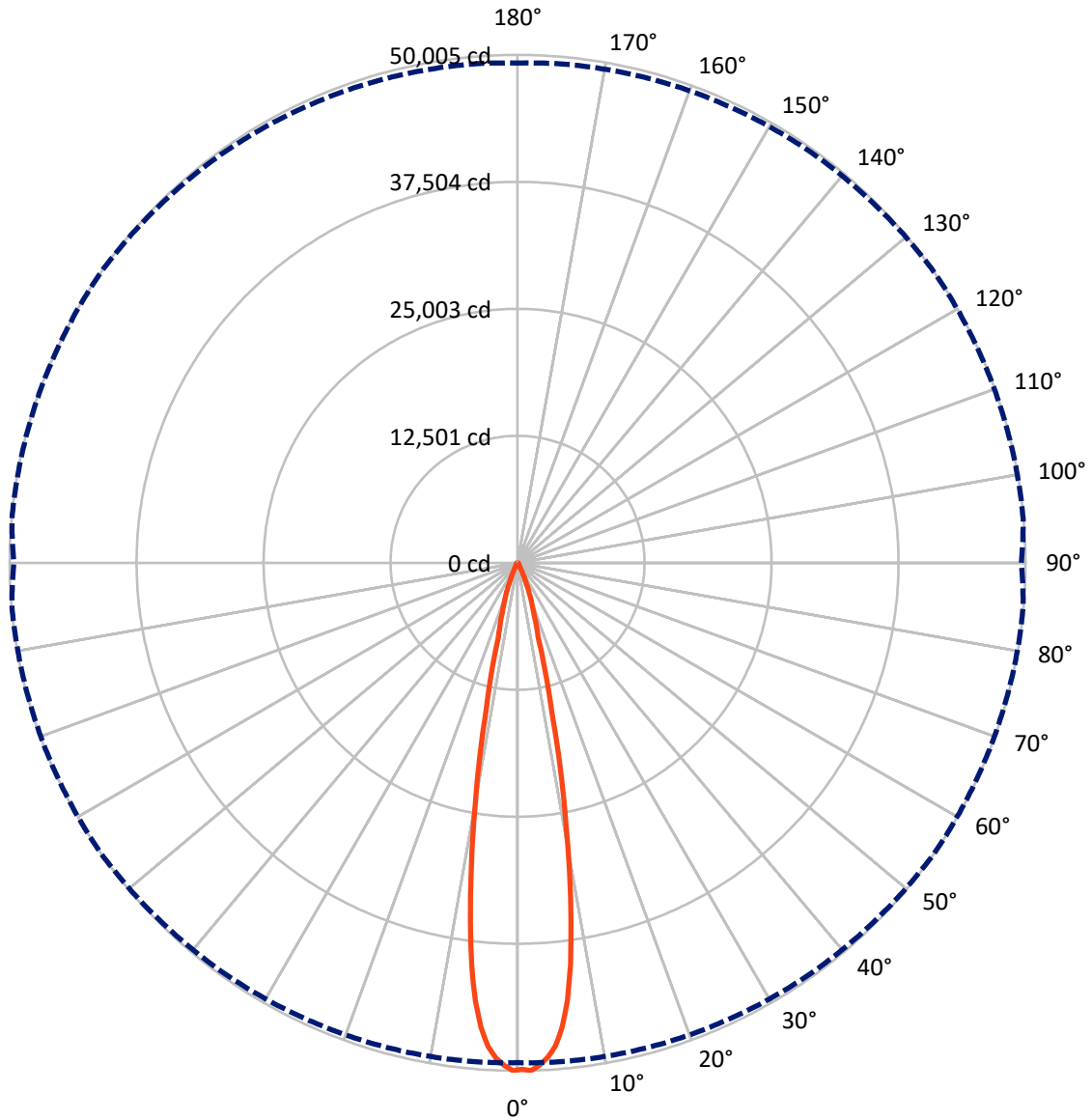
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 124.7 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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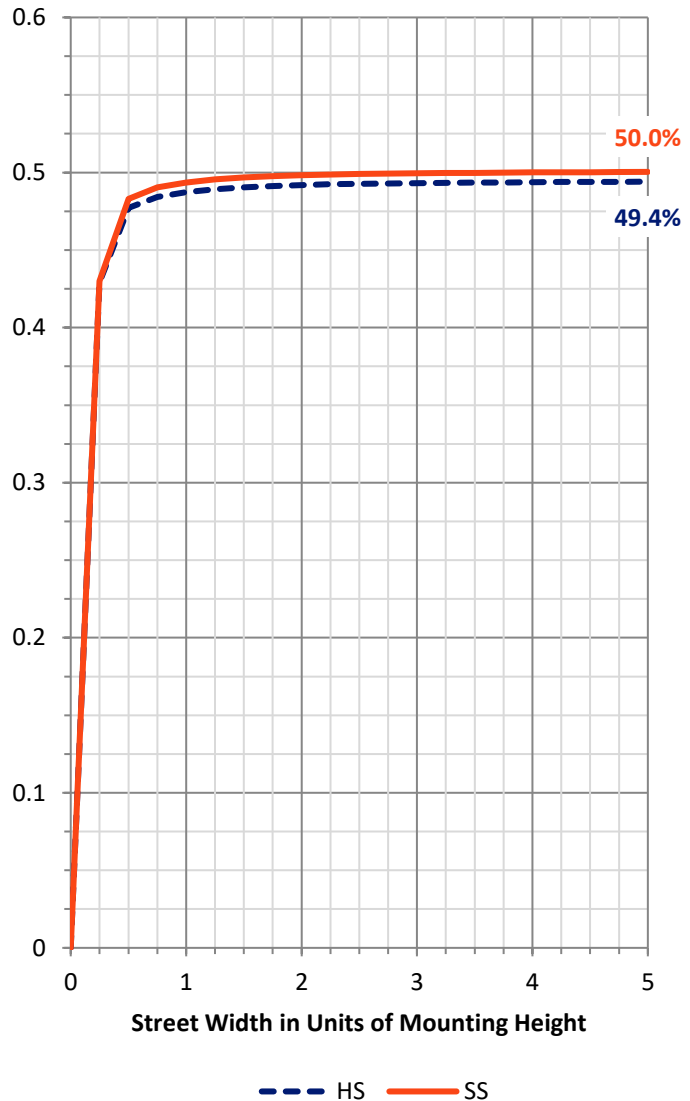
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3627.6	0.0	3627.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3627.6	0.0	3627.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	7255.2	0.0	7255.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3686.2	50.8
10°-20°	2612.4	36.0
20°-30°	612.1	8.4
30°-40°	127.9	1.8
40°-50°	82.5	1.1
50°-60°	61.1	0.8
60°-70°	41.6	0.6
70°-80°	22.2	0.3
80°-90°	9.1	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°	7255.2	100.0
0°-180°	7255.2	100.0

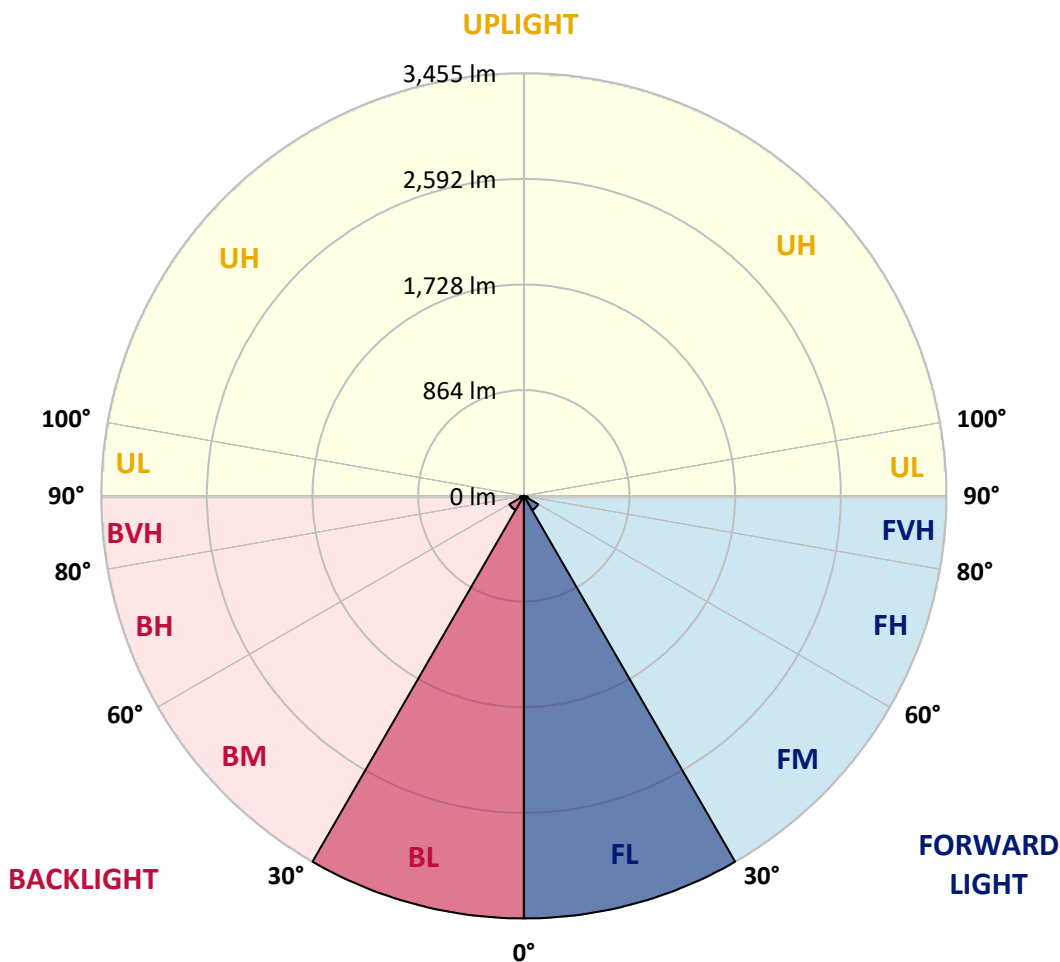


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3455.4	47.6			
FM (30°-60°)	135.8	1.9			
FH (60°-80°)	31.9	0.4			G0/660
FVH (80°-90°)	4.5	0.1			G0/10
BL (0°-30°)	3455.4	47.6	B4/5000		
BM (30°-60°)	135.8	1.9	B0/220		
BH (60°-80°)	31.9	0.4	B0/110		G0/660
BVH (80°-90°)	4.5	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°	49876.7	49876.7	49876.7	49876.7	49876.7	49876.7	49876.7	49876.7	49876.7	49876.7
1°	49205.7	49296.8	49408.4	49509.8	49662.4	49786.9	50005.0	49958.8	49952.4	49961.4
2°	48252.4	48366.5	48538.5	48639.8	49033.7	49195.4	49525.2	49622.7	49544.4	49632.9
3°	46824.3	46918.0	47187.4	47386.3	47896.9	48333.2	48774.6	48920.8	48829.7	48870.8
4°	45124.2	45220.5	45546.4	45951.8	46689.6	47173.3	47701.9	47832.8	47535.1	47555.6
5°	43100.8	43145.7	43544.8	43914.3	44797.1	45383.4	45885.1	45926.2	45654.1	45550.2
6°	40824.7	40743.8	41110.8	41267.3	42364.4	42962.3	43329.2	43281.7	43075.2	42986.6
7°	38120.0	38009.6	38306.0	38221.3	39192.6	39533.9	39886.7	39725.1	39560.8	39764.9
8°	34990.6	34929.0	34737.8	35084.2	35276.7	35582.1	35580.8	35487.1	35482.0	35822.0
9°	30440.8	31009.2	30841.1	31204.2	31155.5	31141.4	31047.7	30987.4	30730.8	31122.1
10°	25444.5	25816.6	26100.2	26641.6	26536.4	26685.3	26164.3	26252.9	26082.2	26405.5
12.5°	13170.7	13589.0	13834.0	14247.2	14701.4	15165.9	15015.7	14860.5	14628.3	14913.1
15°	6483.3	6648.9	6727.1	7146.7	7470.0	7586.8	7604.7	7467.5	7408.4	7470.0
17.5°	3978.8	4036.5	4263.6	4746.1	5025.8	5095.1	5050.2	4900.0	4732.0	4661.4
20°	2880.5	2897.2	2983.1	3076.8	3450.2	3645.2	3573.3	3425.8	3270.5	3197.4
22.5°	1881.0	1897.7	1925.9	1977.2	2077.3	2318.5	2240.2	2140.2	2034.9	2013.1
25°	1064.9	1064.9	1094.5	1147.1	1221.5	1239.4	1254.8	1148.3	1099.6	1077.8
27.5°	594.1	597.9	604.3	624.9	662.1	658.2	641.5	613.3	579.9	545.3
30°	328.5	332.3	336.2	341.3	347.7	336.2	325.9	320.8	306.7	302.8
32.5°	246.3	246.3	248.9	247.6	241.2	227.1	220.7	228.4	227.1	220.7
35°	202.7	202.7	205.3	210.4	197.6	187.3	182.2	192.5	192.5	188.6
37.5°	165.5	166.8	168.1	174.5	170.6	159.1	157.8	160.4	161.7	160.4
40°	145.0	143.7	143.7	145.0	142.4	139.9	137.3	136.0	137.3	136.0
42.5°	125.7	124.5	127.0	124.5	119.3	120.6	120.6	116.8	118.0	115.5
45°	110.3	109.1	110.3	107.8	103.9	105.2	105.2	100.1	100.1	98.8
47.5°	97.5	97.5	97.5	98.8	92.4	91.1	92.4	91.1	87.2	86.0
50°	84.7	86.0	87.2	89.8	83.4	80.8	80.8	80.8	78.3	77.0
52.5°	78.3	79.6	79.6	79.6	75.7	73.1	73.1	71.9	70.6	69.3
55°	75.7	75.7	75.7	70.6	69.3	68.0	64.2	62.9	61.6	61.6
57.5°	71.9	71.9	70.6	66.7	62.9	62.9	57.7	56.5	55.2	55.2
60°	64.2	64.2	64.2	62.9	57.7	56.5	51.3	48.8	47.5	47.5
62.5°	59.0	59.0	59.0	53.9	52.6	48.8	44.9	41.1	39.8	37.2
65°	53.9	53.9	53.9	48.8	46.2	42.3	37.2	33.4	30.8	26.9
67.5°	50.0	50.0	48.8	44.9	41.1	35.9	30.8	26.9	21.8	19.2
70°	43.6	43.6	42.3	39.8	35.9	32.1	25.7	20.5	16.7	12.8
72.5°	37.2	37.2	35.9	33.4	30.8	26.9	21.8	18.0	11.5	9.0
75°	30.8	30.8	29.5	26.9	25.7	23.1	19.2	14.1	9.0	3.8
77.5°	25.7	25.7	24.4	23.1	21.8	19.2	16.7	11.5	6.4	2.6
80°	19.2	20.5	20.5	20.5	18.0	16.7	15.4	11.5	5.1	1.3
82.5°	14.1	15.4	15.4	15.4	14.1	12.8	14.1	10.3	5.1	1.3
85°	10.3	10.3	11.5	11.5	11.5	11.5	15.4	11.5	3.8	1.3
87.5°	5.1	5.1	5.1	5.1	5.1	6.4	7.7	6.4	2.6	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°
49876.7
49603.4
49296.8
48562.9
47250.3
45333.4
42787.8
39702.0
34878.9
30392.0
25576.7
14142.0
7182.6
4562.6
3141.0
1968.2
1059.8
546.6
302.8
216.8
187.3
160.4
137.3
116.8
98.8
86.0
75.7
68.0
60.3
55.2
46.2
34.6
26.9
18.0
12.8
7.7
3.8
1.3
1.3
1.3
1.3
0.0
0.0

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