

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: P524335

Luminaire Tested: **IFLD-S-SA2B-935-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524335
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7500.3 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

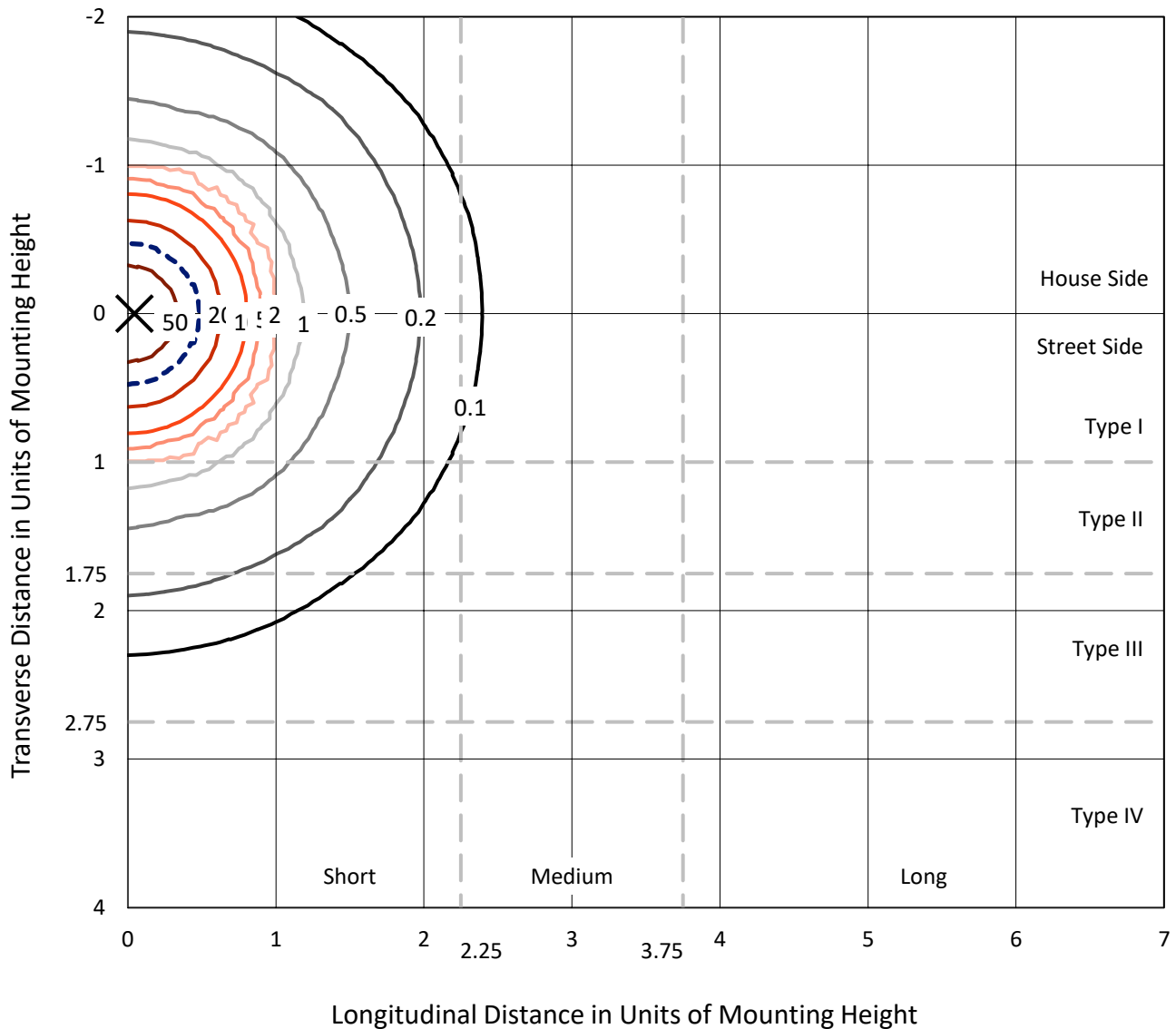
Input Watts (W): 82.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

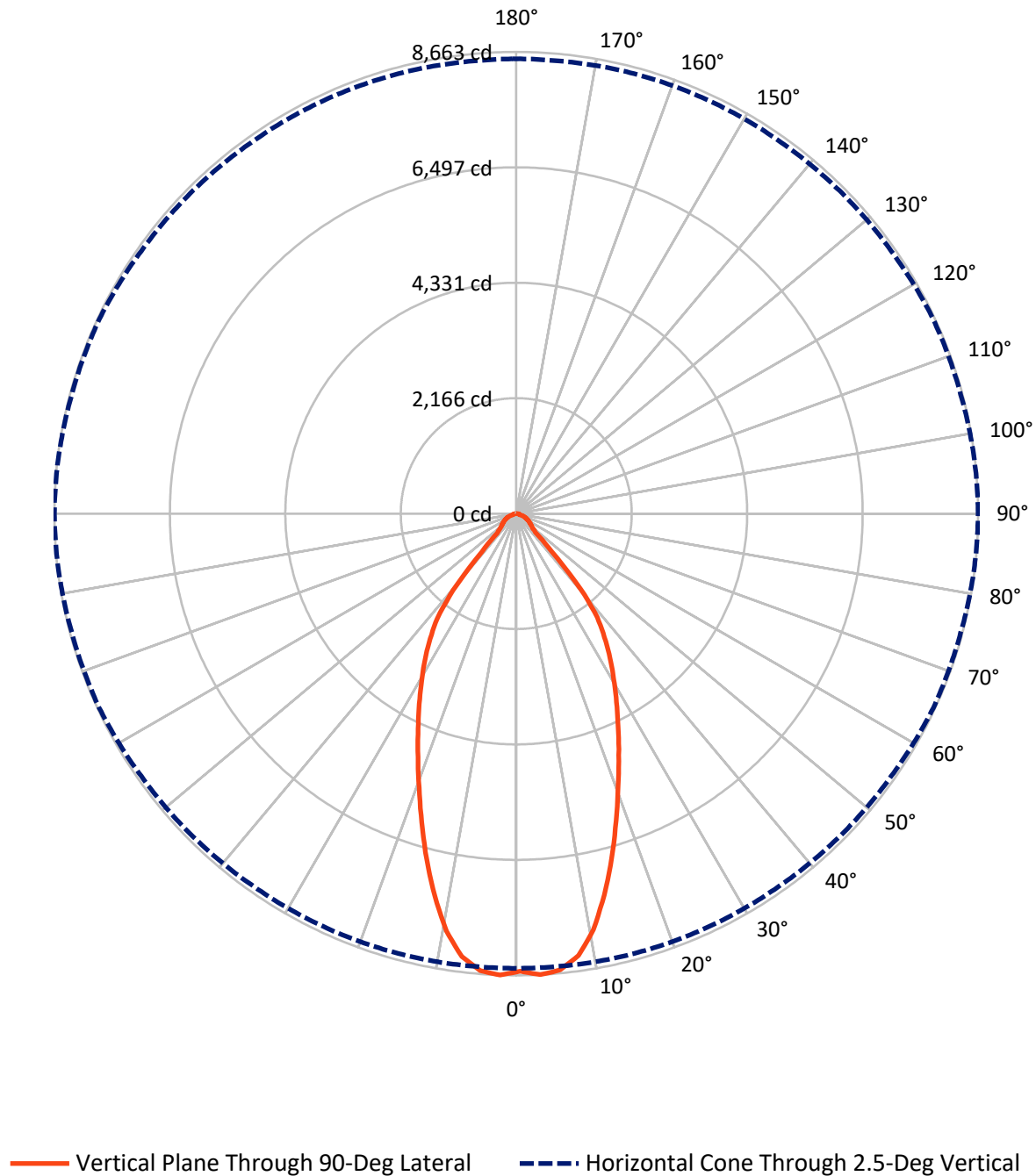


Based on 10 foot mounting height. Maximum calculated value = 85.9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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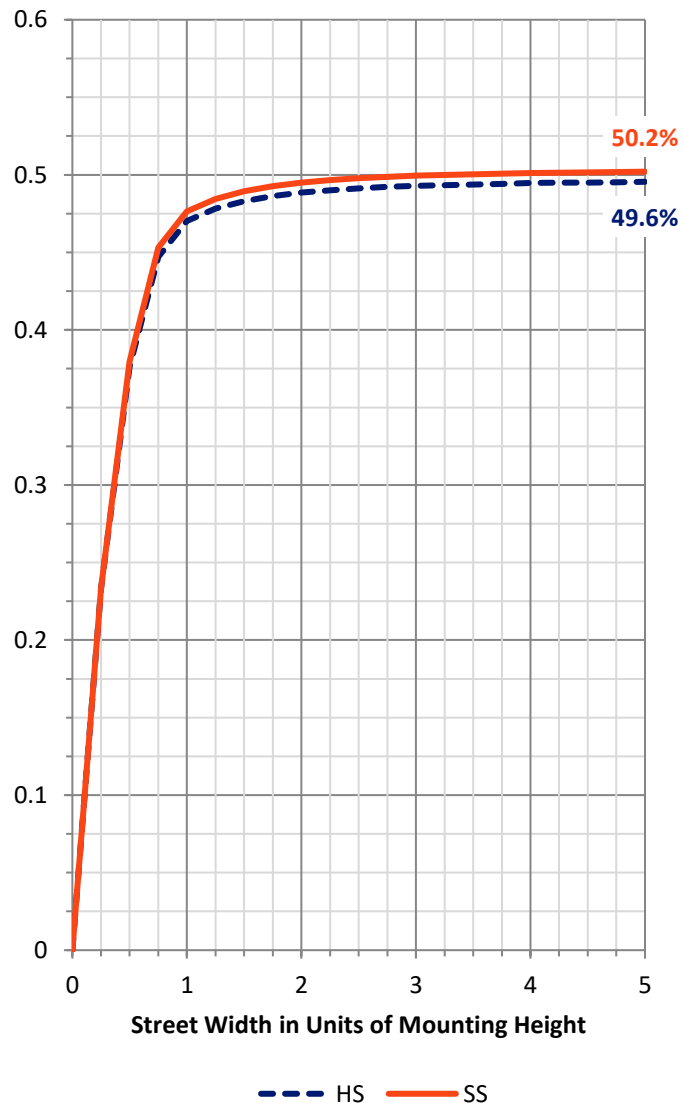
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3750.1	0.0	3750.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3750.1	0.0	3750.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7500.3	0.0	7500.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	791.5	10.6
10°-20°	1827.0	24.4
20°-30°	2005.9	26.7
30°-40°	1739.3	23.2
40°-50°	572.3	7.6
50°-60°	256.6	3.4
60°-70°	181.4	2.4
70°-80°	98.5	1.3
80°-90°	27.9	0.4
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°	7500.3	100.0
0°-180°	7500.3	100.0

Coefficient of Utilization



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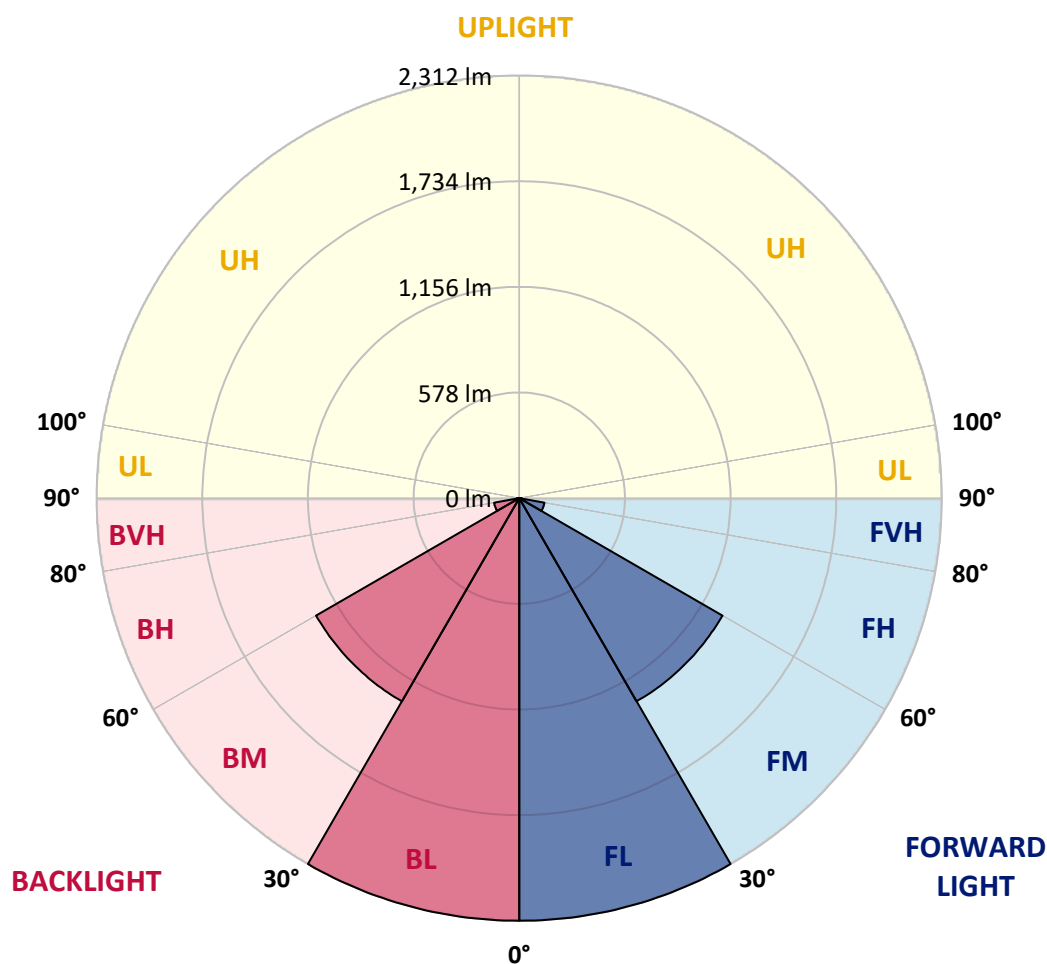
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2312.2	30.8			
FM	(30°-60°)	1284.1	17.1			
FH	(60°-80°)	139.9	1.9			G0/660
FVH	(80°-90°)	14.0	0.2			G1/100
BL	(0°-30°)	2312.2	30.8	B3/2500		
BM	(30°-60°)	1284.1	17.1	B2/2500		
BH	(60°-80°)	139.9	1.9	B1/500		G0/660
BVH	(80°-90°)	14.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8585.5	8585.5	8585.5	8585.5	8585.5	8585.5	8585.5	8585.5	8585.5	8585.5
2.5°	8532.1	8530.9	8544.6	8551.4	8554.8	8570.7	8586.6	8628.7	8629.8	8654.8
5°	8520.7	8510.5	8519.6	8505.9	8509.3	8509.3	8529.8	8560.5	8571.8	8596.8
7.5°	8267.3	8265.0	8259.3	8244.6	8262.7	8250.2	8287.7	8315.0	8341.1	8353.6
10°	7794.5	7772.9	7772.9	7752.5	7770.7	7753.6	7815.0	7840.0	7884.3	7910.5
12.5°	7183.2	7174.1	7175.2	7166.1	7165.0	7141.1	7212.7	7234.3	7274.1	7312.7
15°	6530.9	6517.2	6529.7	6529.7	6519.5	6497.9	6574.1	6603.6	6661.6	6679.7
17.5°	5886.5	5880.9	5888.8	5892.2	5884.3	5863.8	5937.7	6002.4	6042.2	6042.2
20°	5295.6	5293.3	5303.6	5293.3	5285.4	5271.7	5339.9	5402.4	5437.7	5439.9
22.5°	4776.3	4788.8	4779.7	4767.2	4750.1	4739.9	4802.4	4860.4	4884.2	4908.1
25°	4320.6	4324.0	4330.8	4311.5	4291.0	4278.5	4325.1	4374.0	4411.5	4425.1
27.5°	3945.6	3958.1	3941.0	3911.5	3900.1	3885.3	3918.3	3953.5	3980.8	4000.1
30°	3580.8	3587.6	3591.0	3560.3	3533.1	3511.5	3538.7	3569.4	3579.6	3596.7
32.5°	3230.8	3242.1	3253.5	3216.0	3196.7	3176.2	3189.9	3209.2	3214.9	3216.0
35°	2881.9	2873.9	2863.7	2850.1	2835.3	2810.3	2823.9	2830.8	2835.3	2835.3
37.5°	2460.3	2467.1	2469.4	2443.3	2436.4	2419.4	2428.5	2429.6	2438.7	2444.4
40°	1861.4	1885.3	1869.4	1853.5	1855.7	1835.3	1831.9	1827.3	1847.8	1855.7
42.5°	1012.5	1053.4	1011.4	1025.0	1014.8	1003.4	1000.0	1005.7	979.6	958.0
45°	509.1	506.8	515.9	515.9	525.0	528.4	520.5	513.7	510.2	501.2
47.5°	410.2	403.4	402.3	408.0	414.8	419.3	412.5	409.1	408.0	413.6
50°	352.3	342.1	338.6	346.6	352.3	356.8	351.1	351.1	350.0	359.1
52.5°	306.8	296.6	296.6	312.5	317.1	321.6	318.2	318.2	318.2	328.4
55°	271.6	263.6	254.6	275.0	289.8	294.3	292.1	290.9	292.1	303.4
57.5°	244.3	239.8	234.1	238.6	261.4	267.1	265.9	265.9	268.2	277.3
60°	218.2	215.9	213.6	213.6	231.8	242.1	240.9	240.9	243.2	248.9
62.5°	194.3	192.1	189.8	192.1	198.9	214.8	214.8	215.9	219.3	221.6
65°	170.5	169.3	169.3	170.5	172.7	185.2	189.8	193.2	196.6	197.7
67.5°	147.7	146.6	147.7	150.0	150.0	155.7	165.9	169.3	172.7	172.7
70°	119.3	125.0	128.4	129.5	131.8	133.0	142.0	148.9	152.3	147.7
72.5°	64.8	73.9	111.4	114.8	115.9	117.0	123.9	131.8	134.1	87.5
75°	46.6	46.6	93.2	98.9	100.0	100.0	105.7	113.6	115.9	67.0
77.5°	30.7	29.5	64.8	71.6	81.8	65.9	86.4	95.5	97.7	55.7
80°	23.9	22.7	50.0	55.7	56.8	45.5	70.5	77.3	78.4	45.5
82.5°	18.2	17.0	36.4	40.9	44.3	29.5	50.0	59.1	61.4	39.8
85°	10.2	10.2	18.2	17.0	26.1	19.3	28.4	29.5	39.8	25.0
87.5°	3.4	4.5	8.0	8.0	9.1	8.0	11.4	11.4	12.5	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8585.5
8662.7
8601.4
8374.1
7938.9
7338.8
6704.7
6057.0
5452.4
4921.7
4434.2
4005.8
3600.1
3229.6
2848.9
2468.3
1866.0
968.2
509.1
418.2
370.5
339.8
310.2
284.1
253.4
225.0
200.0
172.7
130.7
75.0
65.9
54.5
40.9
40.9
23.9
6.8
0.0