

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: P524276

Luminaire Tested: **IFLD-S-SA6A-927-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524276
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16903.8 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 189.6
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

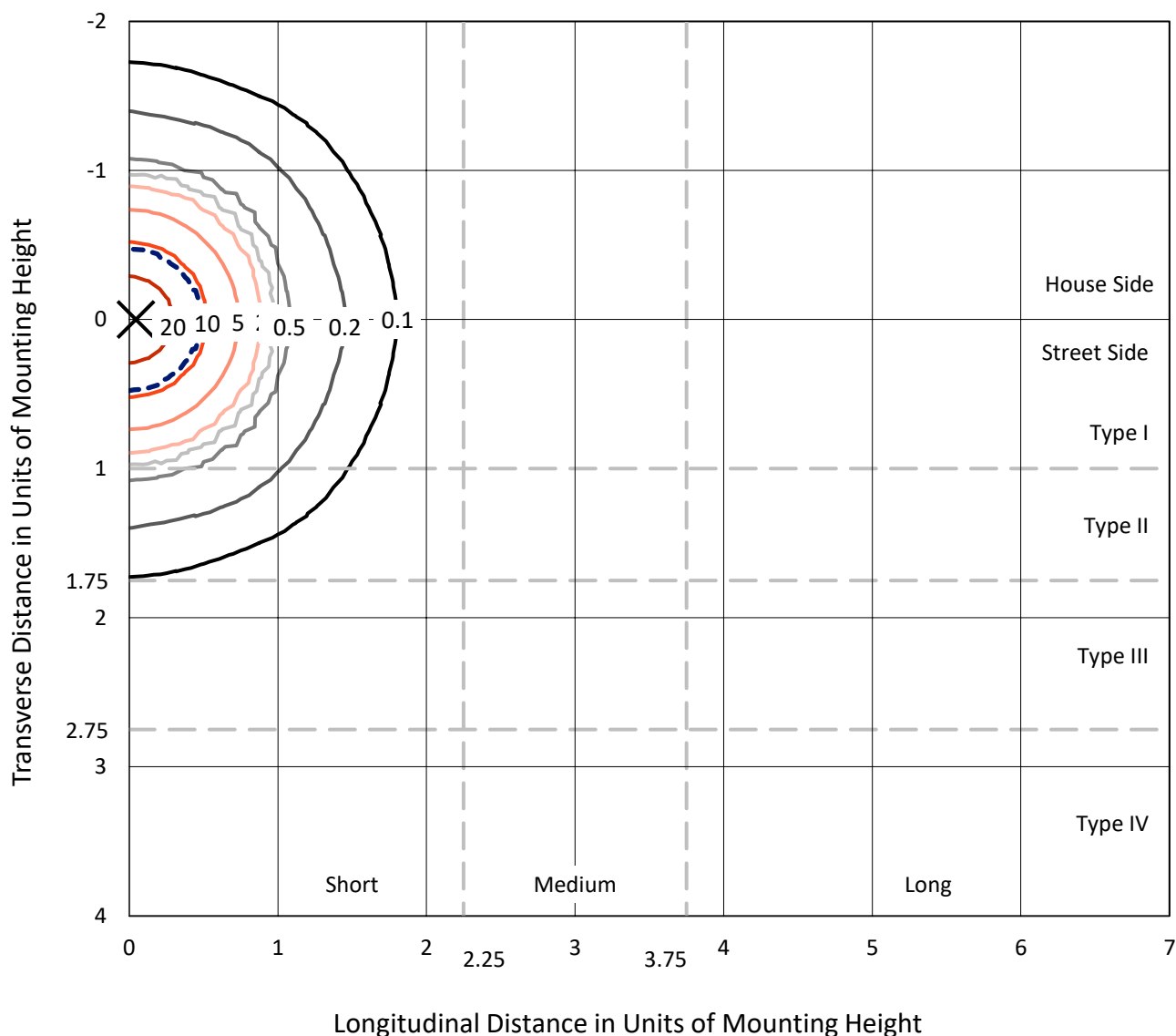
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

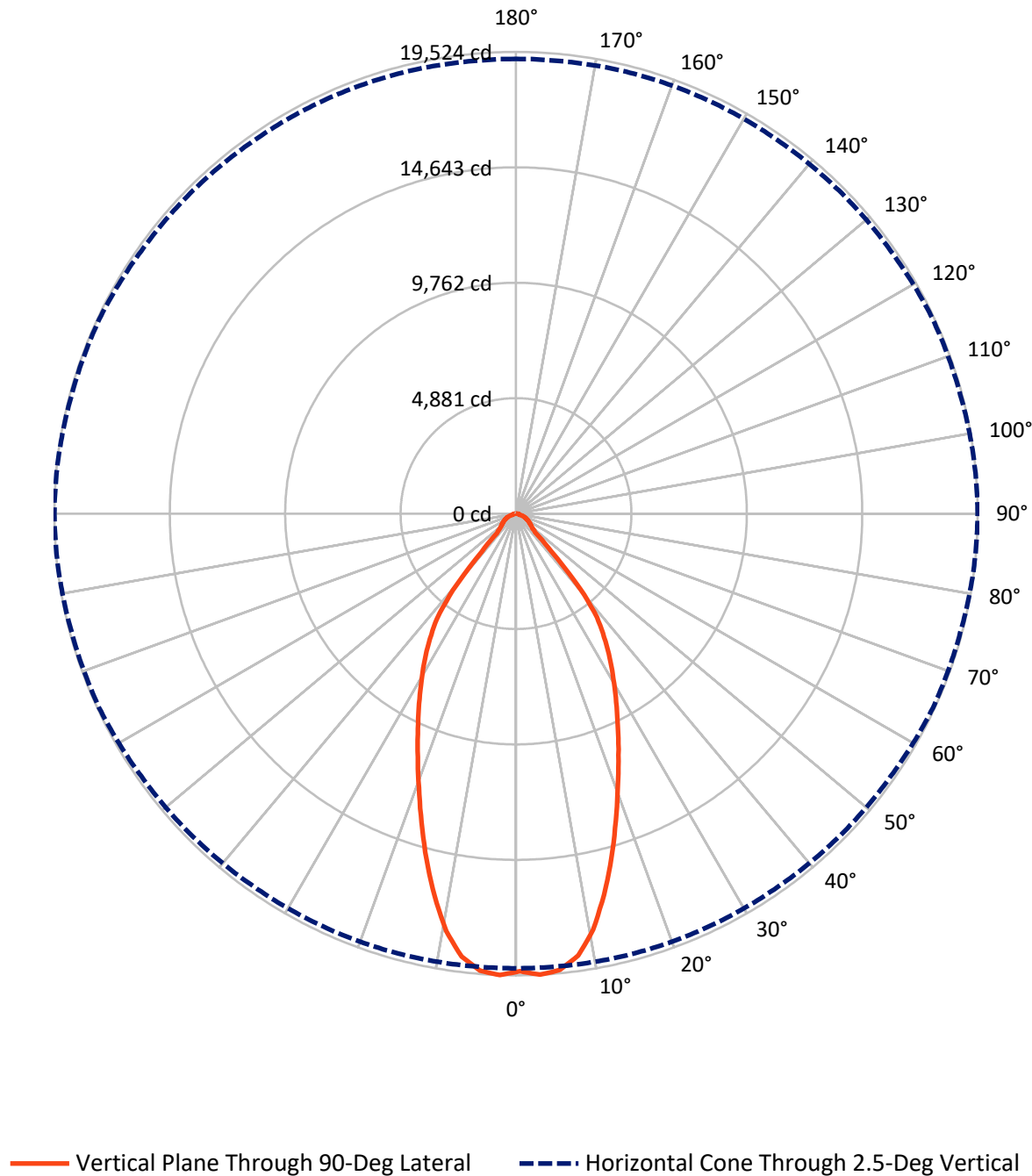


Based on 25 foot mounting height. Maximum calculated value = 31 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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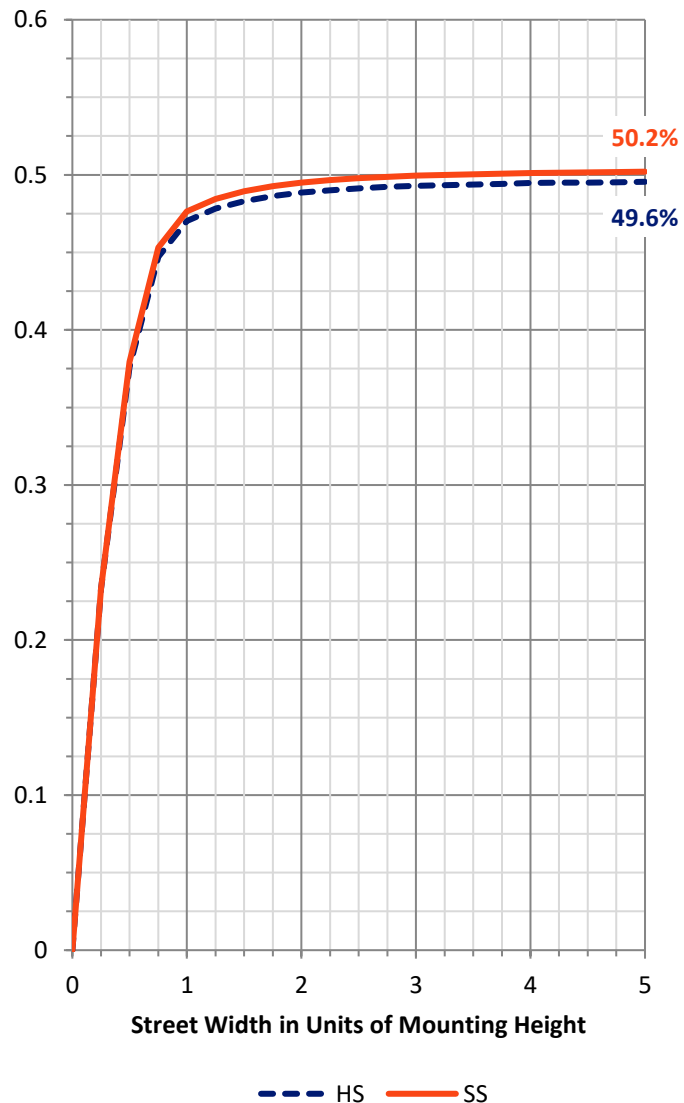
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8451.9	0.0	8451.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8451.9	0.0	8451.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	16903.8	0.0	16903.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1783.8	10.6
10°-20°	4117.6	24.4
20°-30°	4520.8	26.7
30°-40°	3919.9	23.2
40°-50°	1289.8	7.6
50°-60°	578.3	3.4
60°-70°	408.8	2.4
70°-80°	221.9	1.3
80°-90°	62.9	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°	16903.8	100.0
0°-180°	16903.8	100.0

Coefficient of Utilization



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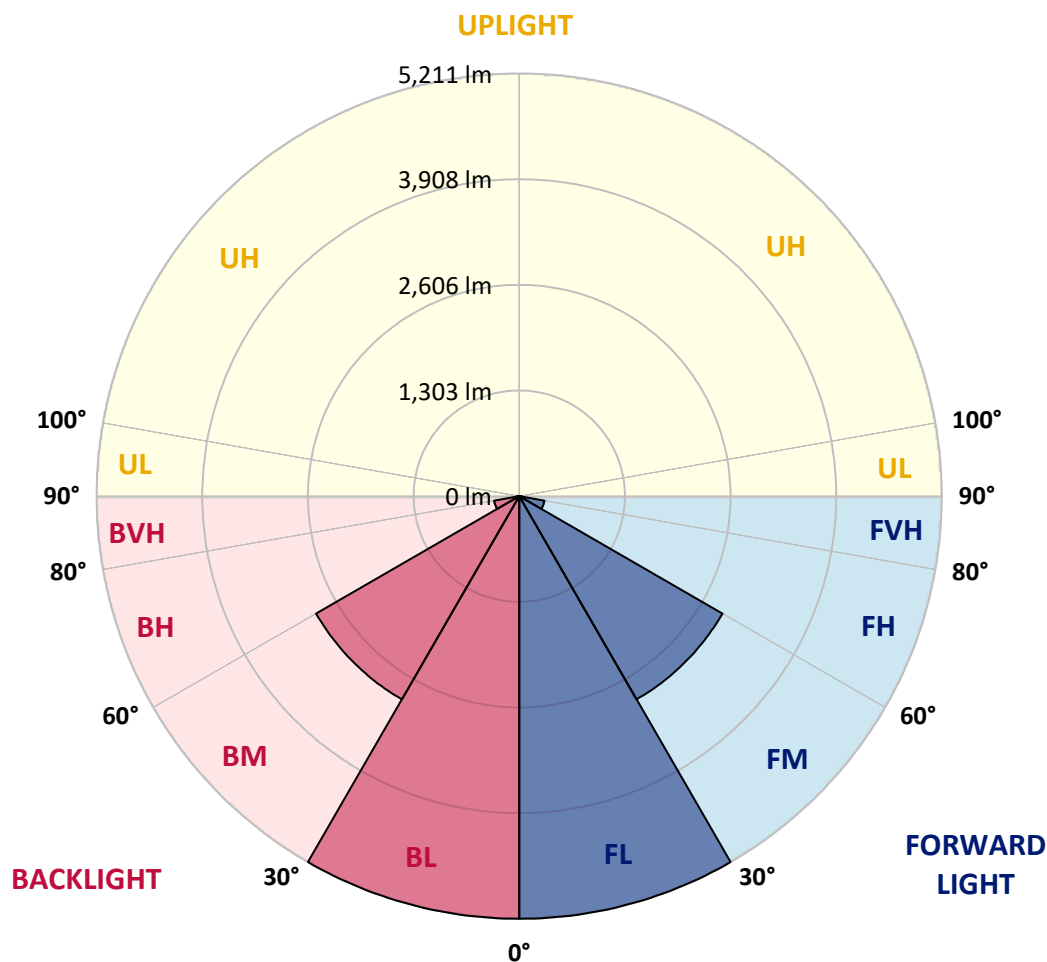
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5211.1	30.8			
FM	(30°-60°)	2894.0	17.1			
FH	(60°-80°)	315.3	1.9			G0/660
FVH	(80°-90°)	31.5	0.2			G1/100
BL	(0°-30°)	5211.1	30.8	B5		
BM	(30°-60°)	2894.0	17.1	B3/5000		
BH	(60°-80°)	315.3	1.9	B1/500		G0/660
BVH	(80°-90°)	31.5	0.2			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°	19349.5	19349.5	19349.5	19349.5	19349.5	19349.5	19349.5	19349.5	19349.5	19349.5
2.5°	19229.2	19226.6	19257.3	19272.7	19280.4	19316.2	19352.1	19446.8	19449.4	19505.8
5°	19203.5	19180.5	19201.0	19170.2	19177.9	19177.9	19224.0	19293.2	19318.8	19375.1
7.5°	18632.4	18627.3	18614.5	18581.2	18622.2	18594.0	18678.5	18740.0	18798.9	18827.0
10°	17567.0	17518.3	17518.3	17472.2	17513.2	17474.8	17613.1	17669.4	17769.3	17828.2
12.5°	16189.1	16168.6	16171.1	16150.6	16148.1	16094.3	16255.7	16304.3	16394.0	16481.0
15°	14719.0	14688.2	14716.4	14716.4	14693.3	14644.7	14816.3	14882.9	15013.5	15054.5
17.5°	13266.8	13254.0	13271.9	13279.6	13261.7	13215.6	13382.0	13528.0	13617.7	13617.7
20°	11935.0	11929.9	11952.9	11929.9	11911.9	11881.2	12034.9	12175.7	12255.1	12260.2
22.5°	10764.5	10792.7	10772.2	10744.0	10705.6	10682.6	10823.4	10954.1	11007.8	11061.6
25°	9737.5	9745.2	9760.6	9717.0	9670.9	9642.7	9747.8	9857.9	9942.4	9973.1
27.5°	8892.3	8920.5	8882.1	8815.5	8789.9	8756.6	8830.9	8910.3	8971.7	9015.3
30°	8070.2	8085.6	8093.2	8024.1	7962.6	7914.0	7975.4	8044.6	8067.6	8106.1
32.5°	7281.4	7307.0	7332.6	7248.1	7204.5	7158.4	7189.2	7232.7	7245.5	7248.1
35°	6495.1	6477.2	6454.1	6423.4	6390.1	6333.7	6364.5	6379.8	6390.1	6390.1
37.5°	5544.9	5560.3	5565.4	5506.5	5491.1	5452.7	5473.2	5475.7	5496.2	5509.0
40°	4195.2	4249.0	4213.1	4177.2	4182.4	4136.3	4128.6	4118.3	4164.4	4182.4
42.5°	2282.0	2374.2	2279.4	2310.2	2287.1	2261.5	2253.8	2266.6	2207.7	2159.1
45°	1147.4	1142.3	1162.8	1162.8	1183.3	1190.9	1173.0	1157.6	1150.0	1129.5
47.5°	924.6	909.2	906.6	919.5	934.8	945.1	929.7	922.0	919.5	932.3
50°	794.0	770.9	763.2	781.2	794.0	804.2	791.4	791.4	788.8	809.3
52.5°	691.5	668.5	668.5	704.3	714.6	724.8	717.1	717.1	717.1	740.2
55°	612.1	594.2	573.7	619.8	653.1	663.3	658.2	655.7	658.2	683.8
57.5°	550.6	540.4	527.6	537.8	589.1	601.9	599.3	599.3	604.4	624.9
60°	491.7	486.6	481.5	481.5	522.5	545.5	543.0	543.0	548.1	560.9
62.5°	438.0	432.8	427.7	432.8	448.2	484.1	484.1	486.6	494.3	499.4
65°	384.2	381.6	381.6	384.2	389.3	417.5	427.7	435.4	443.1	445.6
67.5°	333.0	330.4	333.0	338.1	338.1	350.9	373.9	381.6	389.3	389.3
70°	268.9	281.7	289.4	292.0	297.1	299.7	320.1	335.5	343.2	333.0
72.5°	146.0	166.5	251.0	258.7	261.2	263.8	279.2	297.1	302.2	197.2
75°	105.0	105.0	210.0	222.8	225.4	225.4	238.2	256.1	261.2	151.1
77.5°	69.2	66.6	146.0	161.4	184.4	148.5	194.6	215.1	220.3	125.5
80°	53.8	51.2	112.7	125.5	128.1	102.4	158.8	174.2	176.7	102.4
82.5°	41.0	38.4	82.0	92.2	99.9	66.6	112.7	133.2	138.3	89.6
85°	23.1	23.1	41.0	38.4	58.9	43.5	64.0	66.6	89.6	56.3
87.5°	7.7	10.2	17.9	17.9	20.5	17.9	25.6	25.6	28.2	20.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

19349.5
19523.7
19385.4
18873.2
17892.2
16539.9
15110.8
13651.0
12288.4
11092.4
9993.6
9028.1
8113.7
7278.8
6420.8
5562.8
4205.4
2182.1
1147.4
942.5
834.9
765.8
699.2
640.3
571.1
507.1
450.8
389.3
294.5
169.0
148.5
122.9
92.2
92.2
53.8
15.4
0.0