

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: P524339

Luminaire Tested: **IFLD-S-SA3A-935-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524339
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9037.9 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 94.8
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

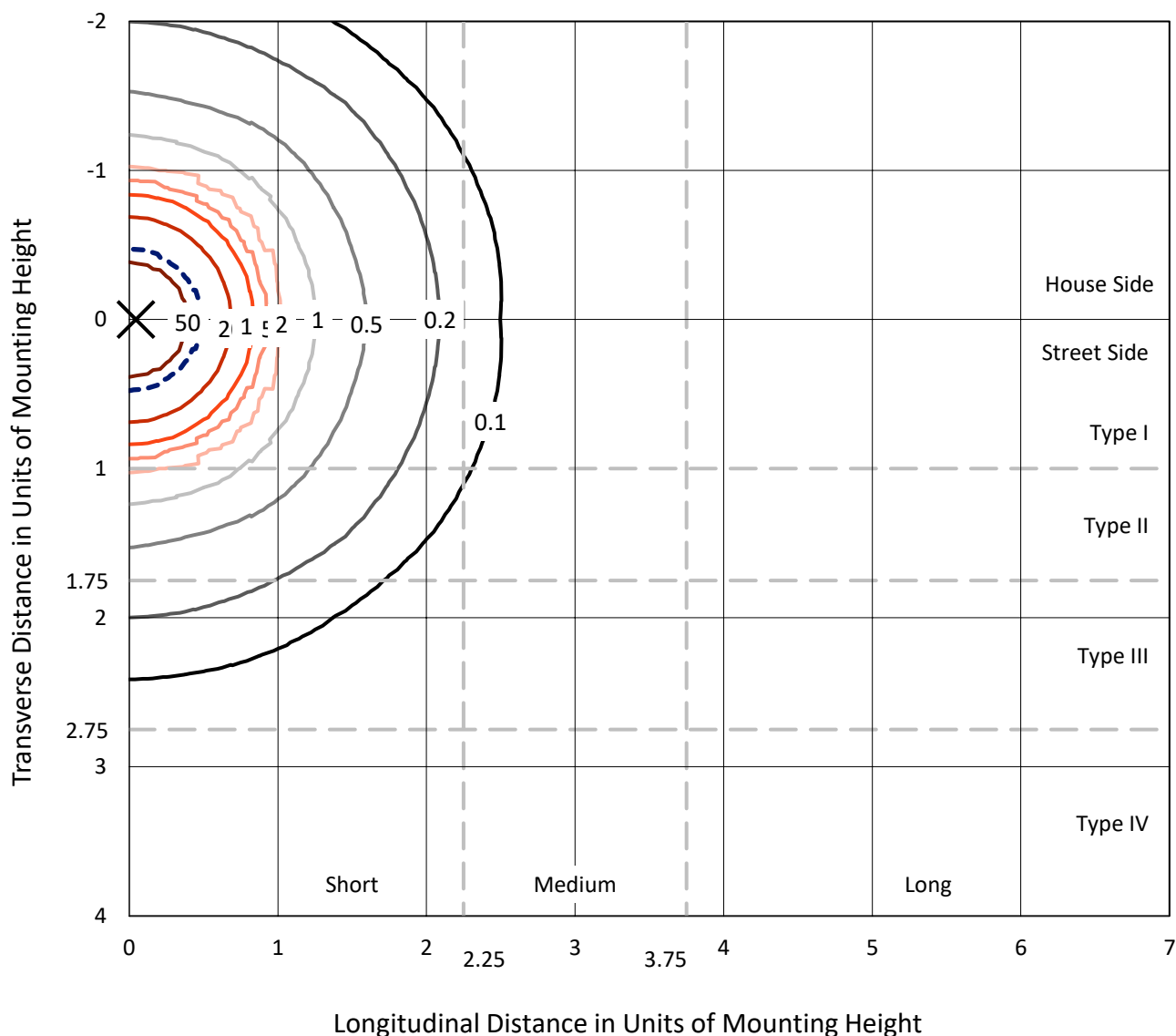
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

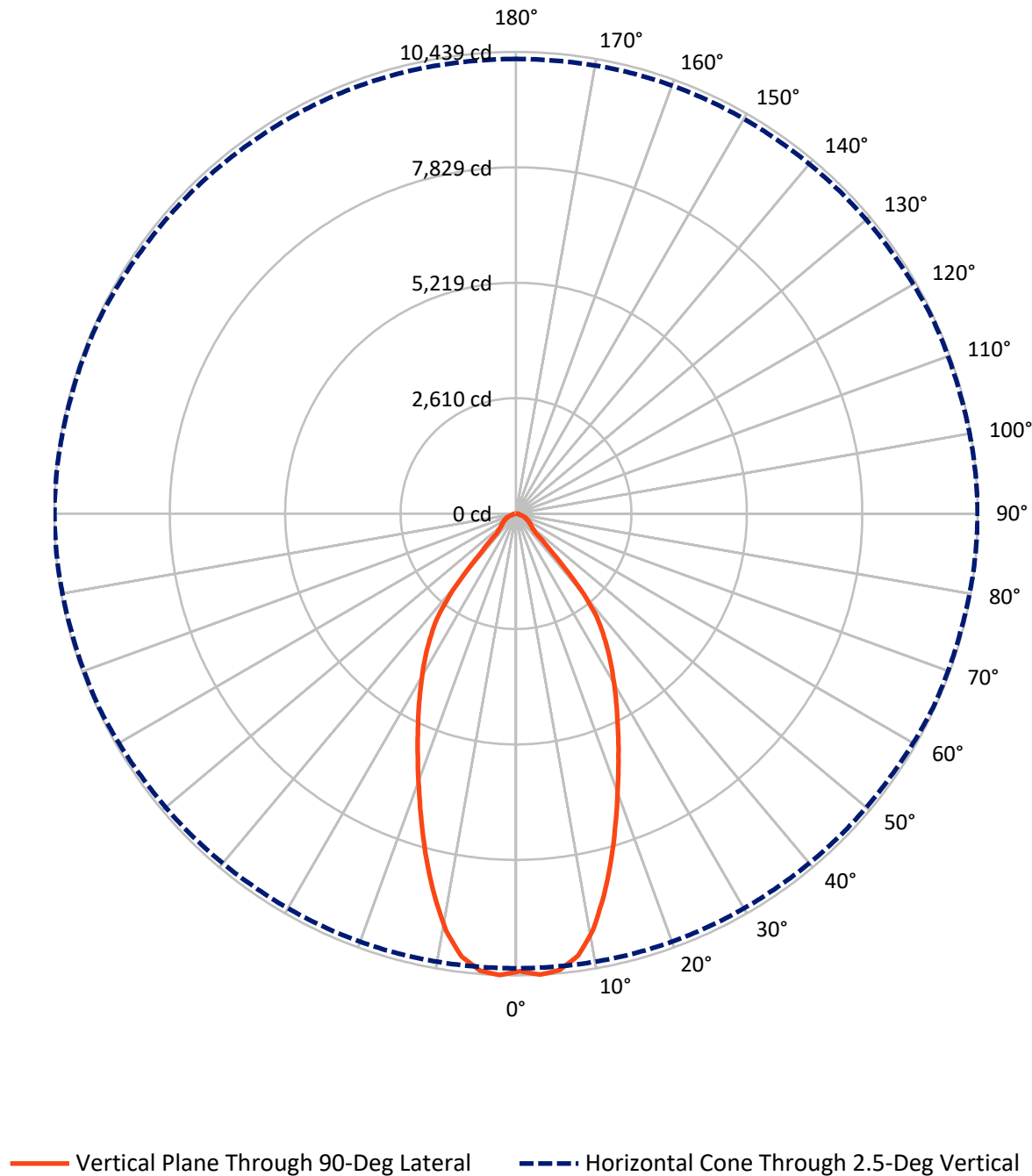


Based on 10 foot mounting height. Maximum calculated value = 103.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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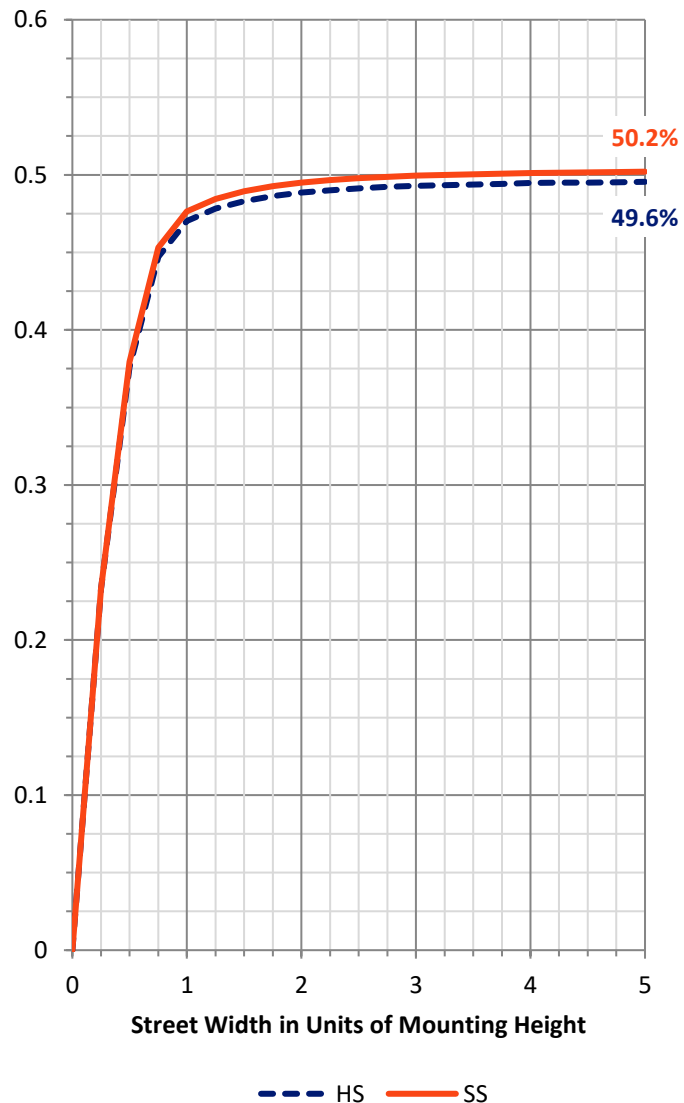
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4519.0	0.0	4519.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4519.0	0.0	4519.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9037.9	0.0	9037.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	953.7	10.6
10°-20°	2201.6	24.4
20°-30°	2417.1	26.7
30°-40°	2095.8	23.2
40°-50°	689.6	7.6
50°-60°	309.2	3.4
60°-70°	218.5	2.4
70°-80°	118.7	1.3
80°-90°	33.7	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°	9037.9	100.0
0°-180°	9037.9	100.0

Coefficient of Utilization



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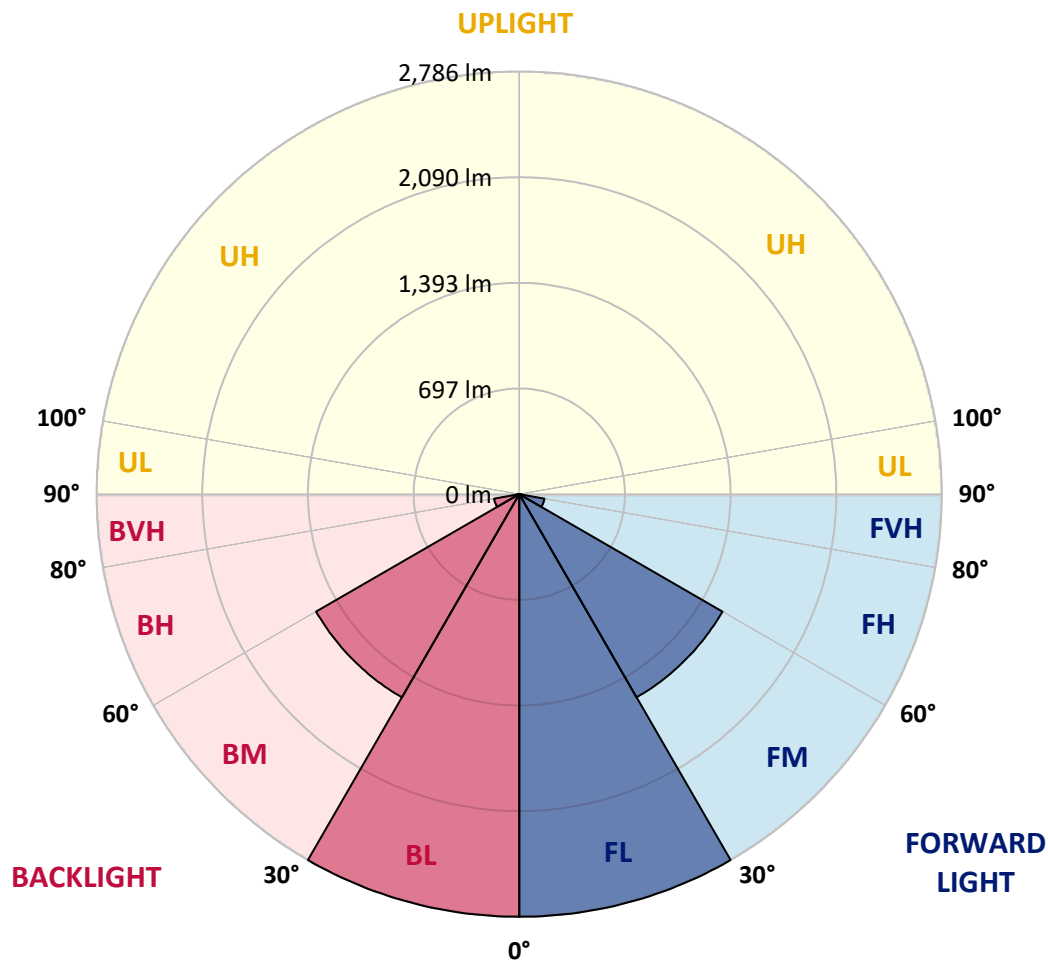
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2786.2	30.8			
FM	(30°-60°)	1547.3	17.1			
FH	(60°-80°)	168.6	1.9			G0/660
FVH	(80°-90°)	16.8	0.2			G1/100
BL	(0°-30°)	2786.2	30.8	B4/5000		
BM	(30°-60°)	1547.3	17.1	B2/2500		
BH	(60°-80°)	168.6	1.9	B1/500		G0/660
BVH	(80°-90°)	16.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10345.6	10345.6	10345.6	10345.6	10345.6	10345.6	10345.6	10345.6	10345.6	10345.6
2.5°	10281.2	10279.8	10296.3	10304.5	10308.6	10327.8	10346.9	10397.6	10399.0	10429.1
5°	10267.5	10255.2	10266.2	10249.7	10253.8	10253.8	10278.5	10315.5	10329.1	10359.3
7.5°	9962.2	9959.4	9952.6	9934.8	9956.7	9941.6	9986.8	10019.7	10051.2	10066.2
10°	9392.5	9366.5	9366.5	9341.8	9363.7	9343.2	9417.1	9447.3	9500.7	9532.2
12.5°	8655.8	8644.8	8646.2	8635.2	8633.9	8605.1	8691.4	8717.4	8765.3	8811.9
15°	7869.8	7853.3	7868.4	7868.4	7856.1	7830.0	7921.8	7957.4	8027.2	8049.1
17.5°	7093.3	7086.5	7096.1	7100.2	7090.6	7065.9	7155.0	7233.0	7280.9	7280.9
20°	6381.3	6378.5	6390.8	6378.5	6368.9	6352.5	6434.7	6510.0	6552.4	6555.2
22.5°	5755.5	5770.5	5759.6	5744.5	5724.0	5711.6	5787.0	5856.8	5885.5	5914.3
25°	5206.3	5210.4	5218.7	5195.4	5170.7	5155.7	5211.8	5270.7	5315.9	5332.3
27.5°	4754.4	4769.5	4749.0	4713.4	4699.7	4681.9	4721.6	4764.0	4796.9	4820.2
30°	4314.9	4323.1	4327.2	4290.2	4257.4	4231.3	4264.2	4301.2	4313.5	4334.1
32.5°	3893.1	3906.8	3920.5	3875.3	3852.0	3827.4	3843.8	3867.1	3873.9	3875.3
35°	3472.7	3463.1	3450.8	3434.4	3416.6	3386.4	3402.9	3411.1	3416.6	3416.6
37.5°	2964.7	2972.9	2975.6	2944.1	2935.9	2915.4	2926.3	2927.7	2938.7	2945.5
40°	2243.0	2271.8	2252.6	2233.4	2236.2	2211.5	2207.4	2201.9	2226.6	2236.2
42.5°	1220.1	1269.4	1218.7	1235.2	1222.8	1209.2	1205.0	1211.9	1180.4	1154.4
45°	613.5	610.7	621.7	621.7	632.6	636.8	627.2	619.0	614.8	603.9
47.5°	494.3	486.1	484.8	491.6	499.8	505.3	497.1	493.0	491.6	498.5
50°	424.5	412.2	408.1	417.7	424.5	430.0	423.1	423.1	421.8	432.7
52.5°	369.7	357.4	357.4	376.6	382.1	387.5	383.4	383.4	383.4	395.7
55°	327.3	317.7	306.7	331.4	349.2	354.7	351.9	350.6	351.9	365.6
57.5°	294.4	288.9	282.1	287.6	315.0	321.8	320.4	320.4	323.2	334.1
60°	262.9	260.2	257.4	257.4	279.4	291.7	290.3	290.3	293.0	299.9
62.5°	234.2	231.4	228.7	231.4	239.6	258.8	258.8	260.2	264.3	267.0
65°	205.4	204.0	204.0	205.4	208.1	223.2	228.7	232.8	236.9	238.3
67.5°	178.0	176.6	178.0	180.8	180.8	187.6	199.9	204.0	208.1	208.1
70°	143.8	150.6	154.7	156.1	158.8	160.2	171.2	179.4	183.5	178.0
72.5°	78.1	89.0	134.2	138.3	139.7	141.0	149.3	158.8	161.6	105.4
75°	56.1	56.1	112.3	119.1	120.5	120.5	127.4	136.9	139.7	80.8
77.5°	37.0	35.6	78.1	86.3	98.6	79.4	104.1	115.0	117.8	67.1
80°	28.8	27.4	60.3	67.1	68.5	54.8	84.9	93.1	94.5	54.8
82.5°	21.9	20.5	43.8	49.3	53.4	35.6	60.3	71.2	73.9	47.9
85°	12.3	12.3	21.9	20.5	31.5	23.3	34.2	35.6	47.9	30.1
87.5°	4.1	5.5	9.6	9.6	11.0	9.6	13.7	13.7	15.1	11.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10345.6
10438.7
10364.8
10090.9
9566.4
8843.4
8079.3
7298.7
6570.2
5930.7
5343.3
4827.0
4338.2
3891.7
3433.0
2974.3
2248.5
1166.7
613.5
503.9
446.4
409.4
373.8
342.3
305.4
271.1
241.0
208.1
157.5
90.4
79.4
65.7
49.3
49.3
28.8
8.2
0.0