

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: P524261

Luminaire Tested: **IFLD-S-SA3A-927-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524261
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8616.9 lumens
Efficiency: N/A
Efficacy: 90.9 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

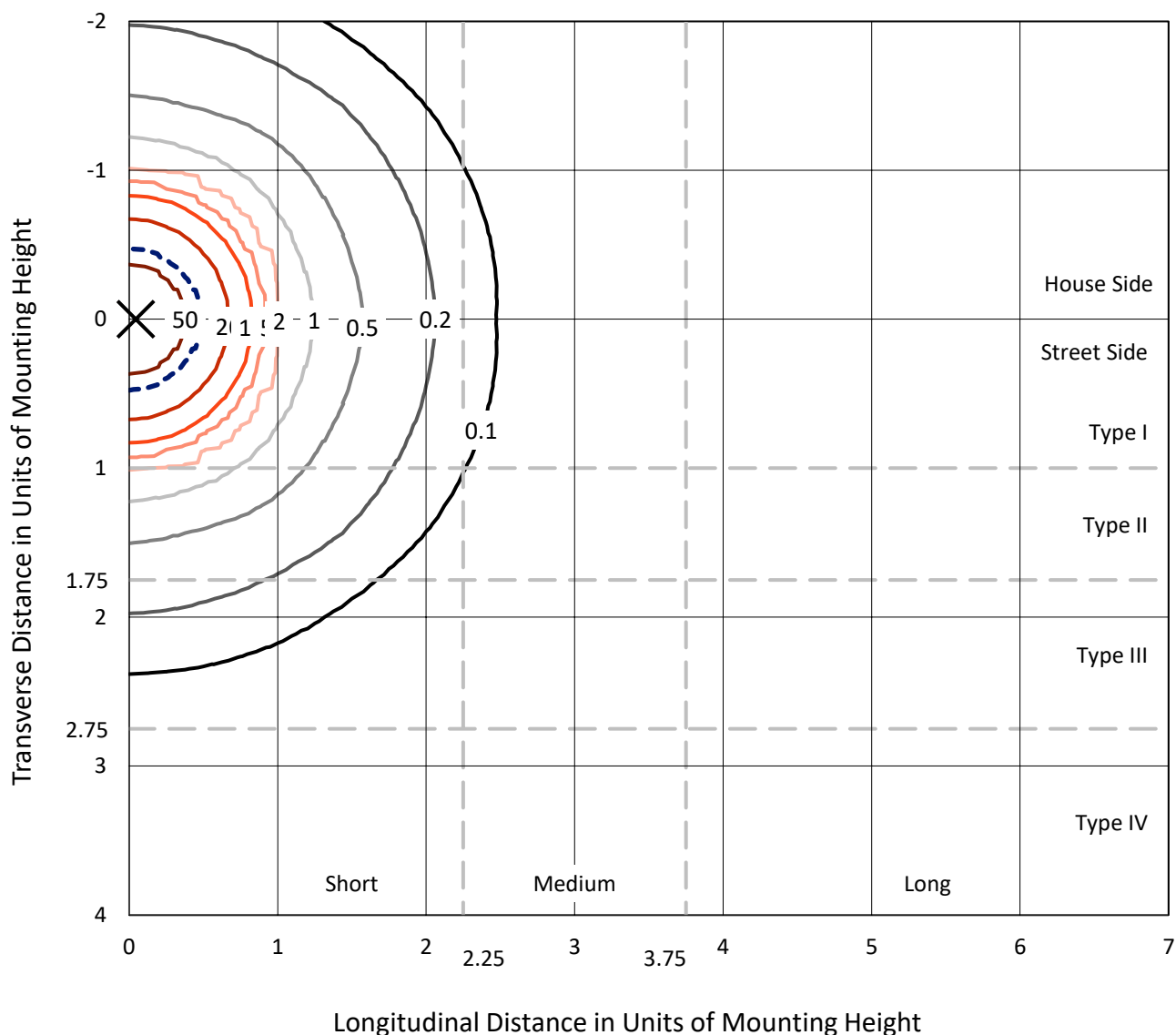
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

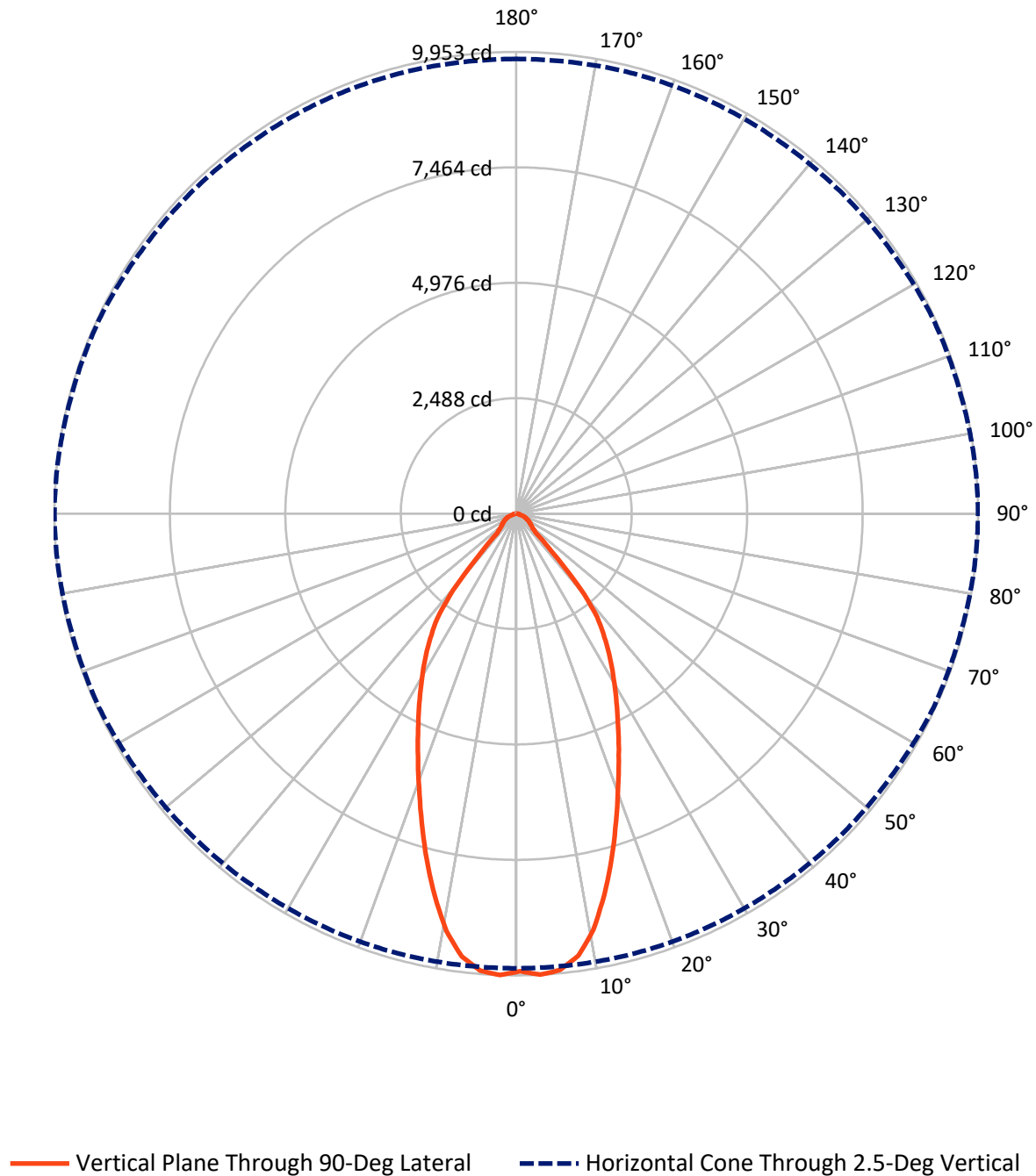


Based on 10 foot mounting height. Maximum calculated value = 98.6 fc

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	4308.5	0.0	4308.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4308.5	0.0	4308.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8616.9	0.0	8616.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	909.3	10.6
10°-20°	2099.0	24.4
20°-30°	2304.5	26.7
30°-40°	1998.2	23.2
40°-50°	657.5	7.6
50°-60°	294.8	3.4
60°-70°	208.4	2.4
70°-80°	113.1	1.3
80°-90°	32.1	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°	8616.9	100.0
0°-180°	8616.9	100.0

Coefficient of Utilization



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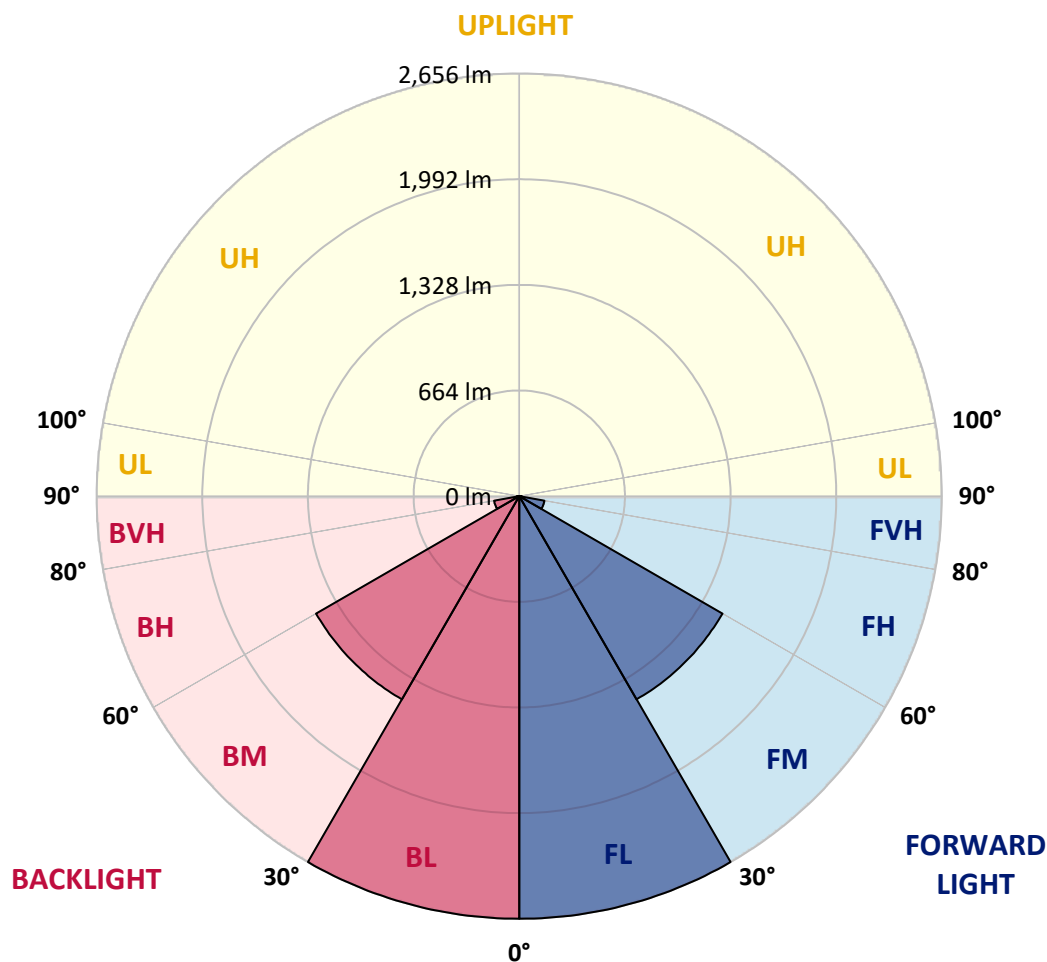
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2656.4	30.8			
FM	(30°-60°)	1475.2	17.1			
FH	(60°-80°)	160.7	1.9			G0/660
FVH	(80°-90°)	16.0	0.2			G1/100
BL	(0°-30°)	2656.4	30.8	B4/5000		
BM	(30°-60°)	1475.2	17.1	B2/2500		
BH	(60°-80°)	160.7	1.9	B1/500		G0/660
BVH	(80°-90°)	16.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9863.7	9863.7	9863.7	9863.7	9863.7	9863.7	9863.7	9863.7	9863.7	9863.7
2.5°	9802.3	9801.0	9816.7	9824.5	9828.5	9846.7	9865.0	9913.3	9914.6	9943.3
5°	9789.3	9777.5	9788.0	9772.3	9776.2	9776.2	9799.7	9835.0	9848.0	9876.8
7.5°	9498.1	9495.5	9489.0	9472.0	9492.9	9478.6	9521.6	9553.0	9583.0	9597.4
10°	8955.0	8930.2	8930.2	8906.7	8927.6	8908.0	8978.5	9007.2	9058.2	9088.2
12.5°	8252.6	8242.2	8243.5	8233.0	8231.7	8204.3	8286.6	8311.4	8357.1	8401.5
15°	7503.2	7487.5	7501.9	7501.9	7490.2	7465.3	7552.8	7586.8	7653.4	7674.2
17.5°	6762.9	6756.4	6765.6	6769.5	6760.3	6736.8	6821.7	6896.1	6941.8	6941.8
20°	6084.0	6081.4	6093.2	6081.4	6072.3	6056.6	6135.0	6206.8	6247.2	6249.8
22.5°	5487.4	5501.7	5491.3	5476.9	5457.4	5445.6	5517.4	5584.0	5611.4	5638.8
25°	4963.8	4967.8	4975.6	4953.4	4929.9	4915.5	4969.1	5025.2	5068.3	5084.0
27.5°	4533.0	4547.4	4527.8	4493.8	4480.8	4463.8	4501.7	4542.1	4573.5	4595.7
30°	4113.9	4121.7	4125.7	4090.4	4059.1	4034.3	4065.6	4100.8	4112.6	4132.2
32.5°	3711.8	3724.8	3737.9	3694.8	3672.6	3649.1	3664.8	3687.0	3693.5	3694.8
35°	3311.0	3301.8	3290.1	3274.4	3257.4	3228.7	3244.4	3252.2	3257.4	3257.4
37.5°	2826.6	2834.4	2837.0	2807.0	2799.2	2779.6	2790.0	2791.3	2801.8	2808.3
40°	2138.6	2166.0	2147.7	2129.4	2132.0	2108.5	2104.6	2099.4	2122.9	2132.0
42.5°	1163.3	1210.3	1162.0	1177.6	1165.9	1152.8	1148.9	1155.4	1125.4	1100.6
45°	584.9	582.3	592.7	592.7	603.2	607.1	598.0	590.1	586.2	575.8
47.5°	471.3	463.5	462.2	468.7	476.5	481.8	473.9	470.0	468.7	475.2
50°	404.7	393.0	389.1	398.2	404.7	410.0	403.4	403.4	402.1	412.6
52.5°	352.5	340.8	340.8	359.0	364.3	369.5	365.6	365.6	365.6	377.3
55°	312.0	302.9	292.5	316.0	332.9	338.1	335.5	334.2	335.5	348.6
57.5°	280.7	275.5	269.0	274.2	300.3	306.8	305.5	305.5	308.1	318.6
60°	250.7	248.1	245.5	245.5	266.3	278.1	276.8	276.8	279.4	285.9
62.5°	223.3	220.6	218.0	220.6	228.5	246.8	246.8	248.1	252.0	254.6
65°	195.8	194.5	194.5	195.8	198.4	212.8	218.0	221.9	225.9	227.2
67.5°	169.7	168.4	169.7	172.3	172.3	178.9	190.6	194.5	198.4	198.4
70°	137.1	143.6	147.5	148.8	151.4	152.8	163.2	171.0	174.9	169.7
72.5°	74.4	84.9	127.9	131.9	133.2	134.5	142.3	151.4	154.1	100.5
75°	53.5	53.5	107.1	113.6	114.9	114.9	121.4	130.6	133.2	77.0
77.5°	35.3	33.9	74.4	82.3	94.0	75.7	99.2	109.7	112.3	64.0
80°	27.4	26.1	57.4	64.0	65.3	52.2	80.9	88.8	90.1	52.2
82.5°	20.9	19.6	41.8	47.0	50.9	33.9	57.4	67.9	70.5	45.7
85°	11.8	11.8	20.9	19.6	30.0	22.2	32.6	33.9	45.7	28.7
87.5°	3.9	5.2	9.1	9.1	10.4	9.1	13.1	13.1	14.4	10.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9863.7
9952.5
9882.0
9620.9
9120.8
8431.5
7703.0
6958.8
6264.2
5654.5
5094.4
4602.2
4136.1
3710.5
3273.1
2835.7
2143.8
1112.4
584.9
480.5
425.6
390.4
356.4
326.4
291.1
258.5
229.8
198.4
150.1
86.2
75.7
62.7
47.0
47.0
27.4
7.8
0.0