

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: P524301

Luminaire Tested: **IFLD-S-SA3B-930-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524301
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10773.8 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 - G1

Input Watts (W): 122.4
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

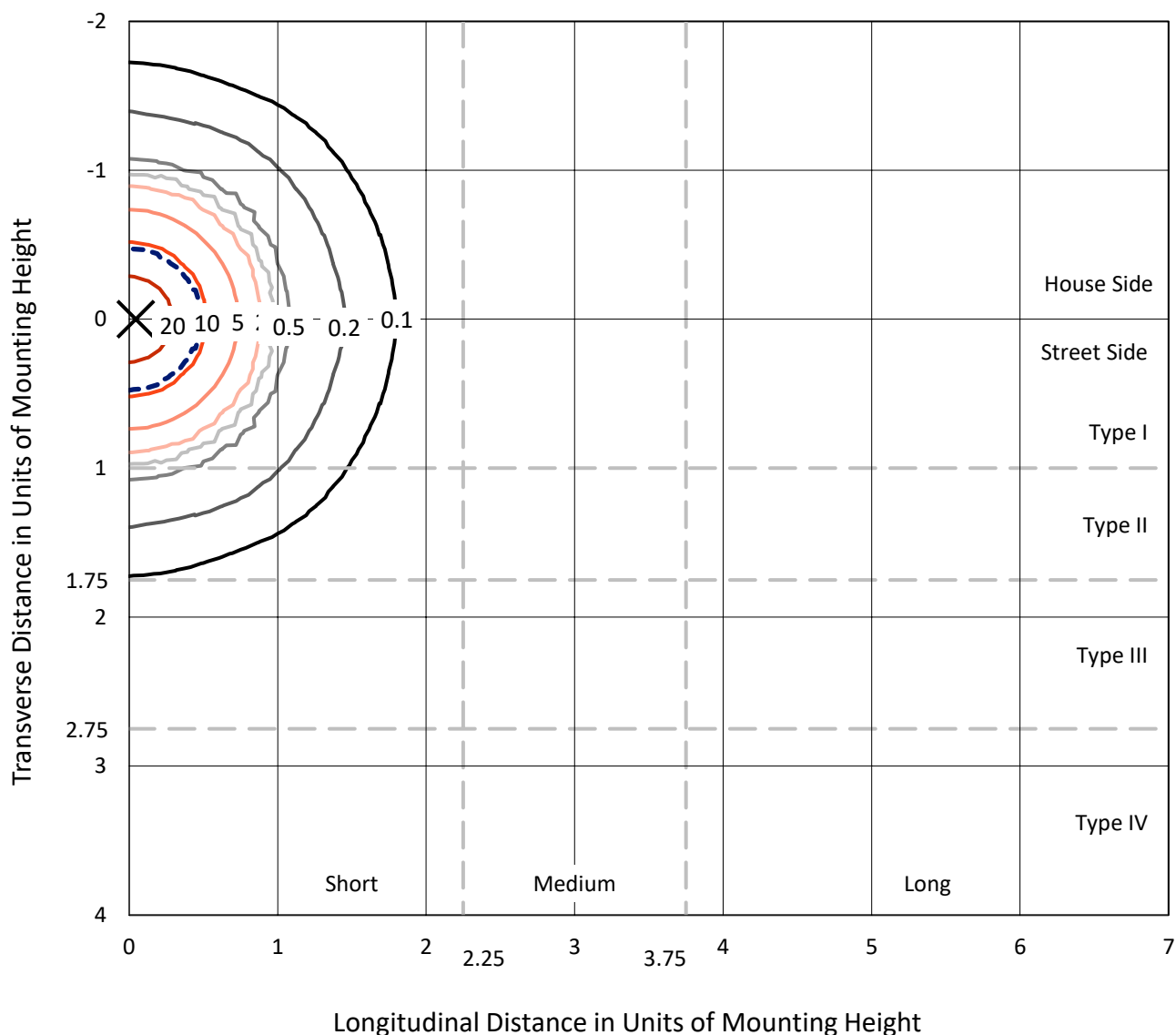
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

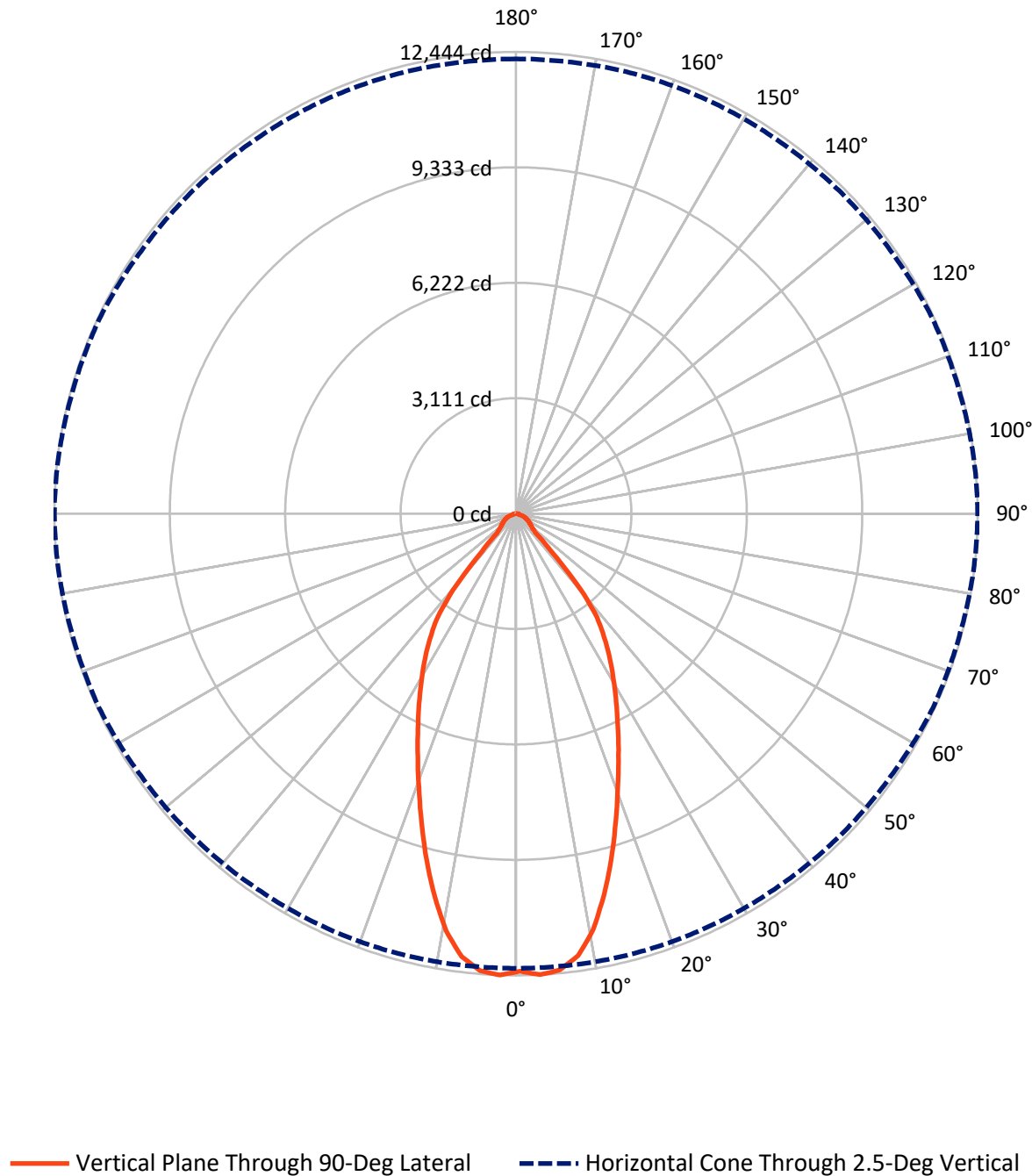


Based on 20 foot mounting height. Maximum calculated value = 30.8 fc

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	5386.9	0.0	5386.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5386.9	0.0	5386.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	10773.8	0.0	10773.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1136.9	10.6
10°-20°	2624.4	24.4
20°-30°	2881.4	26.7
30°-40°	2498.4	23.2
40°-50°	822.1	7.6
50°-60°	368.6	3.4
60°-70°	260.5	2.4
70°-80°	141.4	1.3
80°-90°	40.1	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°	10773.8	100.0
0°-180°	10773.8	100.0

Coefficient of Utilization



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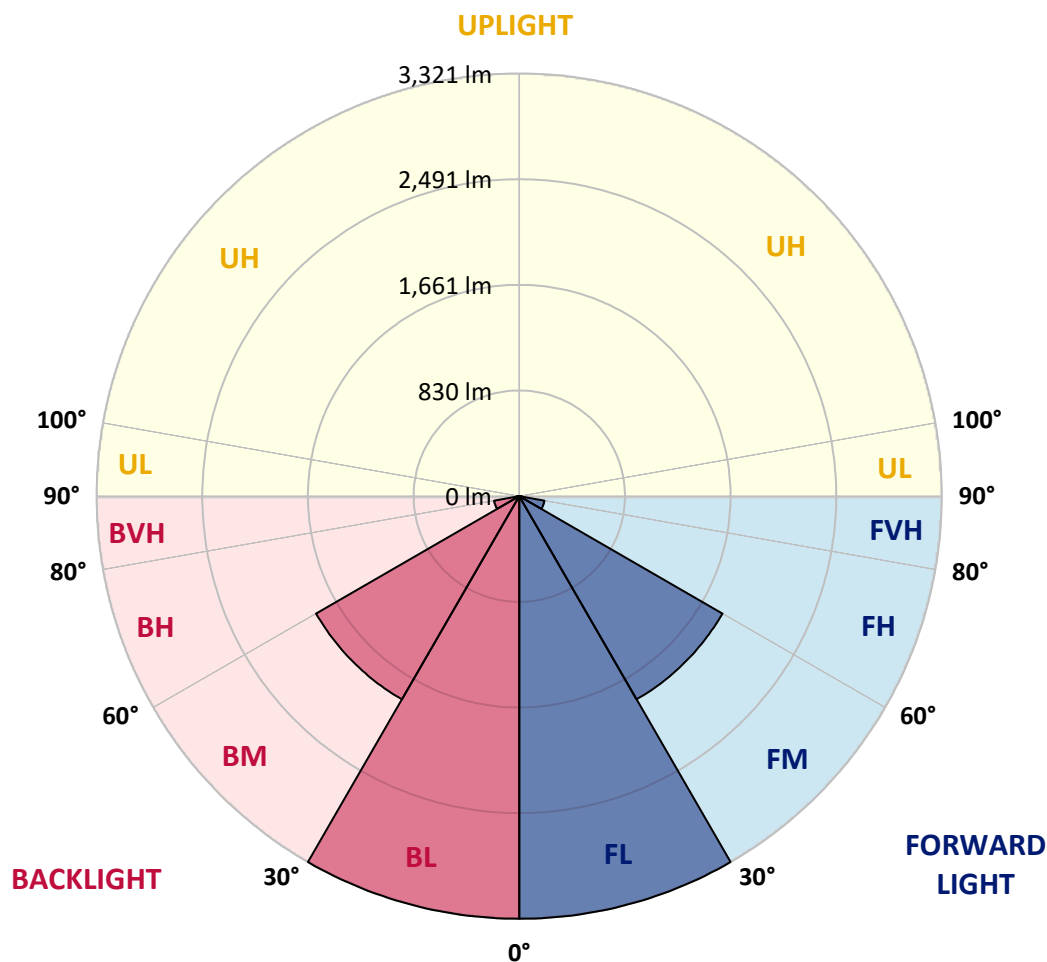
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3321.3	30.8			
FM	(30°-60°)	1844.5	17.1			
FH	(60°-80°)	201.0	1.9			G0/660
FVH	(80°-90°)	20.1	0.2			G1/100
BL	(0°-30°)	3321.3	30.8	B4/5000		
BM	(30°-60°)	1844.5	17.1	B2/2500		
BH	(60°-80°)	201.0	1.9	B1/500		G0/660
BVH	(80°-90°)	20.1	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°	12332.6	12332.6	12332.6	12332.6	12332.6	12332.6	12332.6	12332.6	12332.6	12332.6
2.5°	12255.9	12254.3	12273.9	12283.6	12288.5	12311.4	12334.3	12394.7	12396.3	12432.2
5°	12239.6	12224.9	12237.9	12218.4	12223.3	12223.3	12252.6	12296.7	12313.0	12348.9
7.5°	11875.6	11872.3	11864.1	11842.9	11869.0	11851.1	11904.9	11944.1	11981.7	11999.6
10°	11196.5	11165.5	11165.5	11136.1	11162.2	11137.7	11225.9	11261.8	11325.4	11363.0
12.5°	10318.3	10305.2	10306.8	10293.8	10292.1	10257.9	10360.7	10391.7	10448.9	10504.4
15°	9381.3	9361.7	9379.6	9379.6	9365.0	9333.9	9443.3	9485.8	9569.0	9595.1
17.5°	8455.7	8447.6	8459.0	8463.9	8452.5	8423.1	8529.2	8622.2	8679.4	8679.4
20°	7606.9	7603.6	7618.3	7603.6	7592.2	7572.6	7670.5	7760.3	7810.9	7814.2
22.5°	6860.9	6878.8	6865.8	6847.8	6823.3	6808.7	6898.4	6981.7	7016.0	7050.2
25°	6206.3	6211.2	6221.0	6193.2	6163.9	6145.9	6212.8	6283.0	6336.9	6356.5
27.5°	5667.6	5685.6	5661.1	5618.6	5602.3	5581.1	5628.4	5679.0	5718.2	5746.0
30°	5143.6	5153.4	5158.3	5114.2	5075.1	5044.0	5083.2	5127.3	5142.0	5166.5
32.5°	4640.9	4657.2	4673.5	4619.6	4591.9	4562.5	4582.1	4609.8	4618.0	4619.6
35°	4139.7	4128.3	4113.6	4094.0	4072.8	4036.9	4056.5	4066.3	4072.8	4072.8
37.5°	3534.1	3543.9	3547.2	3509.6	3499.8	3475.3	3488.4	3490.0	3503.1	3511.2
40°	2673.8	2708.1	2685.3	2662.4	2665.7	2636.3	2631.4	2624.9	2654.2	2665.7
42.5°	1454.4	1513.2	1452.8	1472.4	1457.7	1441.4	1436.5	1444.7	1407.1	1376.1
45°	731.3	728.0	741.1	741.1	754.2	759.1	747.6	737.8	732.9	719.9
47.5°	589.3	579.5	577.9	586.0	595.8	602.3	592.6	587.7	586.0	594.2
50°	506.0	491.3	486.4	497.9	506.0	512.6	504.4	504.4	502.8	515.8
52.5°	440.7	426.1	426.1	448.9	455.4	462.0	457.1	457.1	457.1	471.8
55°	390.1	378.7	365.7	395.0	416.3	422.8	419.5	417.9	419.5	435.8
57.5°	351.0	344.4	336.3	342.8	375.4	383.6	382.0	382.0	385.2	398.3
60°	313.4	310.2	306.9	306.9	333.0	347.7	346.1	346.1	349.3	357.5
62.5°	279.1	275.9	272.6	275.9	285.7	308.5	308.5	310.2	315.0	318.3
65°	244.9	243.2	243.2	244.9	248.1	266.1	272.6	277.5	282.4	284.0
67.5°	212.2	210.6	212.2	215.5	215.5	223.6	238.3	243.2	248.1	248.1
70°	171.4	179.6	184.5	186.1	189.4	191.0	204.0	213.8	218.7	212.2
72.5°	93.0	106.1	160.0	164.9	166.5	168.1	177.9	189.4	192.6	125.7
75°	66.9	66.9	133.9	142.0	143.6	143.6	151.8	163.2	166.5	96.3
77.5°	44.1	42.4	93.0	102.8	117.5	94.7	124.1	137.1	140.4	80.0
80°	34.3	32.6	71.8	80.0	81.6	65.3	101.2	111.0	112.6	65.3
82.5°	26.1	24.5	52.2	58.8	63.7	42.4	71.8	84.9	88.1	57.1
85°	14.7	14.7	26.1	24.5	37.5	27.8	40.8	42.4	57.1	35.9
87.5°	4.9	6.5	11.4	11.4	13.1	11.4	16.3	16.3	18.0	13.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

12332.6
12443.6
12355.5
12029.0
11403.8
10541.9
9631.0
8700.6
7832.2
7069.8
6369.5
5754.1
5171.4
4639.2
4092.4
3545.5
2680.4
1390.8
731.3
600.7
532.2
488.1
445.6
408.1
364.0
323.2
287.3
248.1
187.7
107.7
94.7
78.4
58.8
58.8
34.3
9.8
0.0