

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: P524325

Luminaire Tested: **IFLD-L-SA7A-930-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524325
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19818.3 lumens
Efficiency: N/A
Efficacy: 91.1 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): 217.6
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

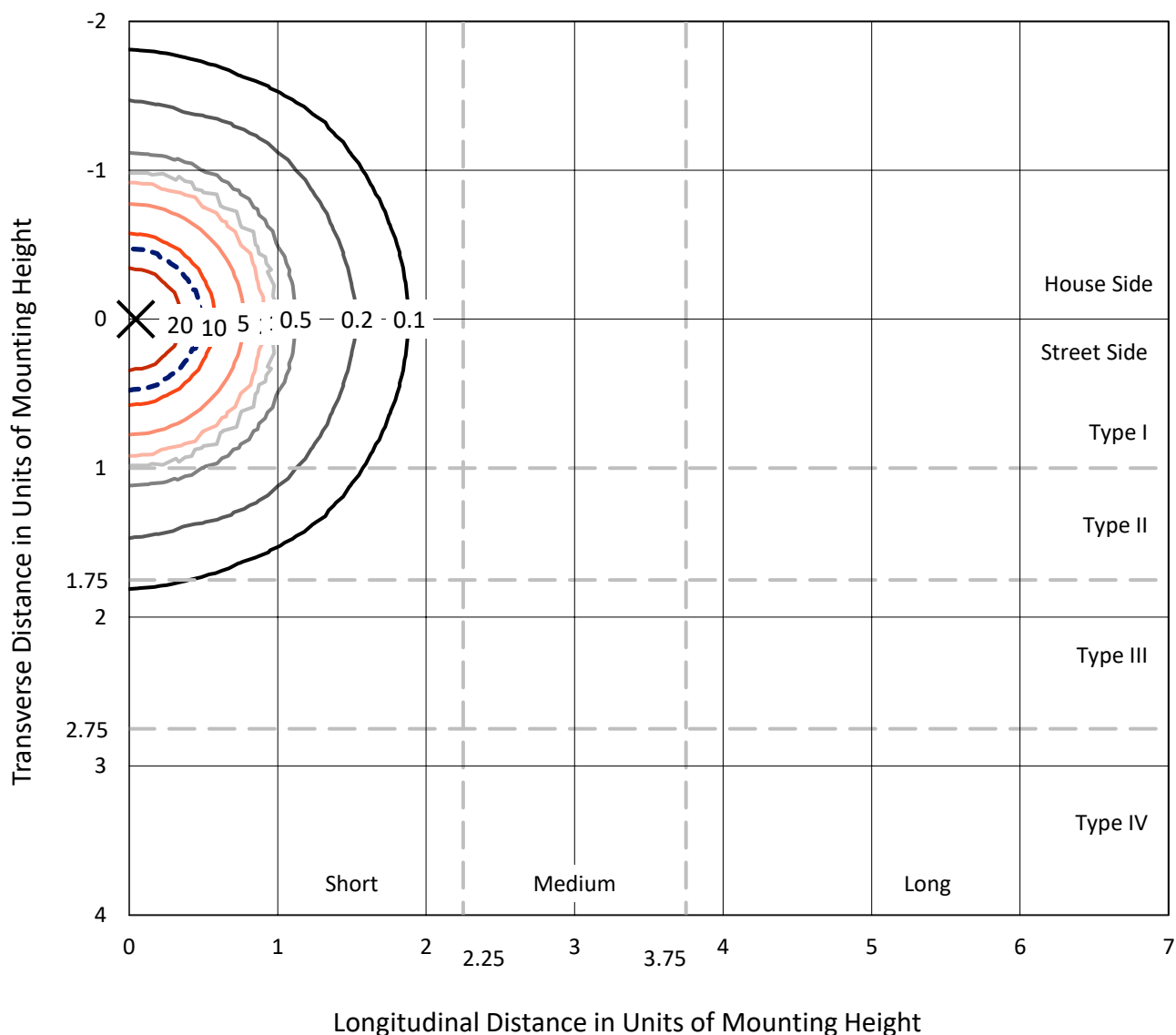
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

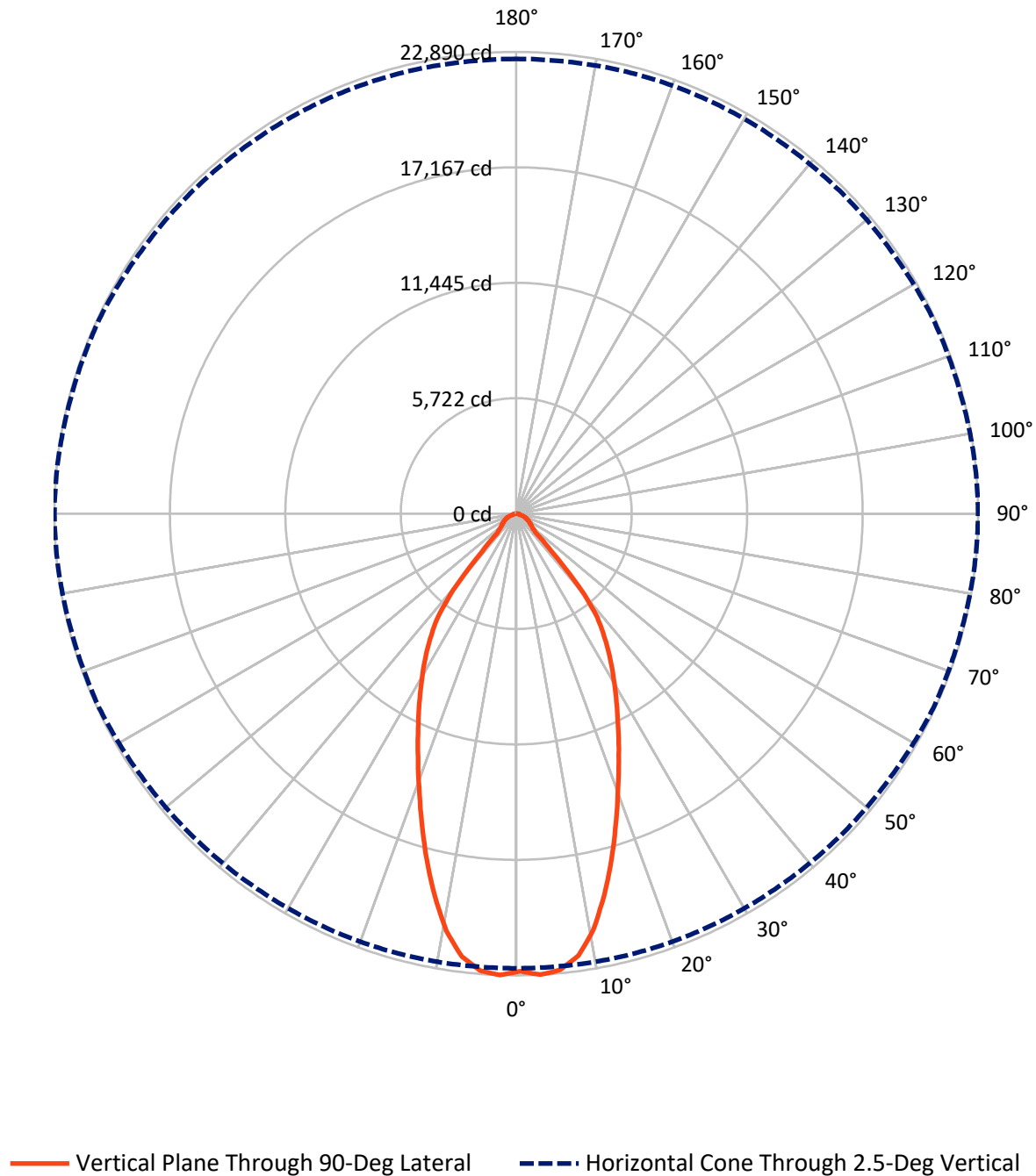


Based on 25 foot mounting height. Maximum calculated value = 36.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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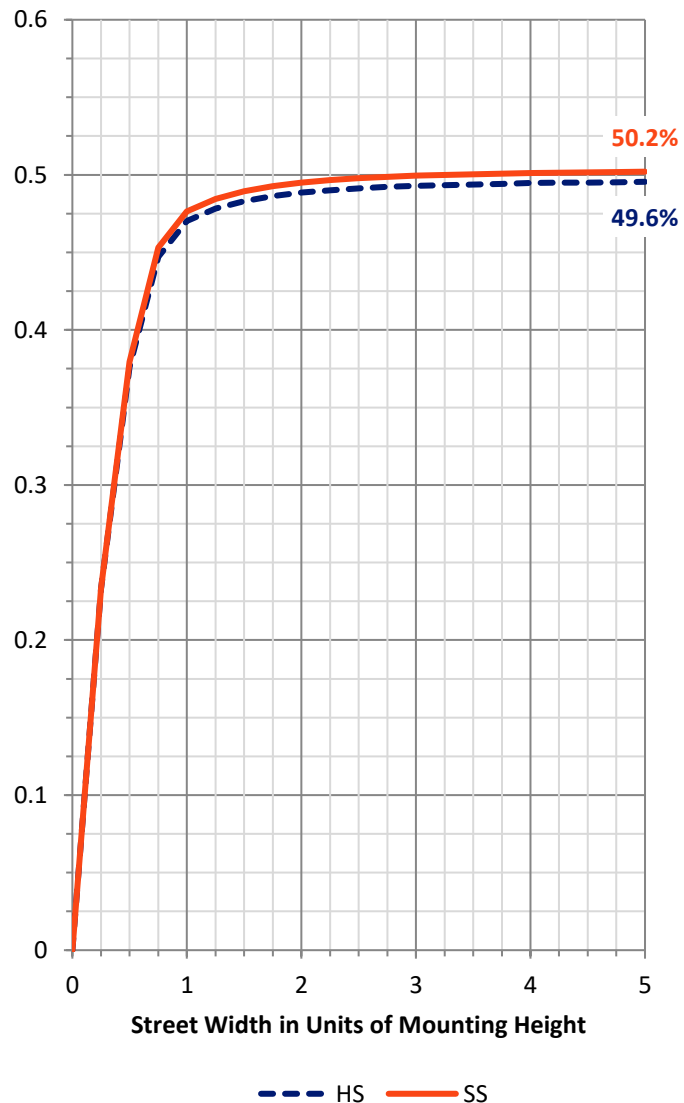
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9909.1	0.0	9909.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9909.1	0.0	9909.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	19818.3	0.0	19818.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2091.3	10.6
10°-20°	4827.6	24.4
20°-30°	5300.3	26.7
30°-40°	4595.7	23.2
40°-50°	1512.2	7.6
50°-60°	678.0	3.4
60°-70°	479.2	2.4
70°-80°	260.2	1.3
80°-90°	73.8	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°	19818.3	100.0
0°-180°	19818.3	100.0

Coefficient of Utilization



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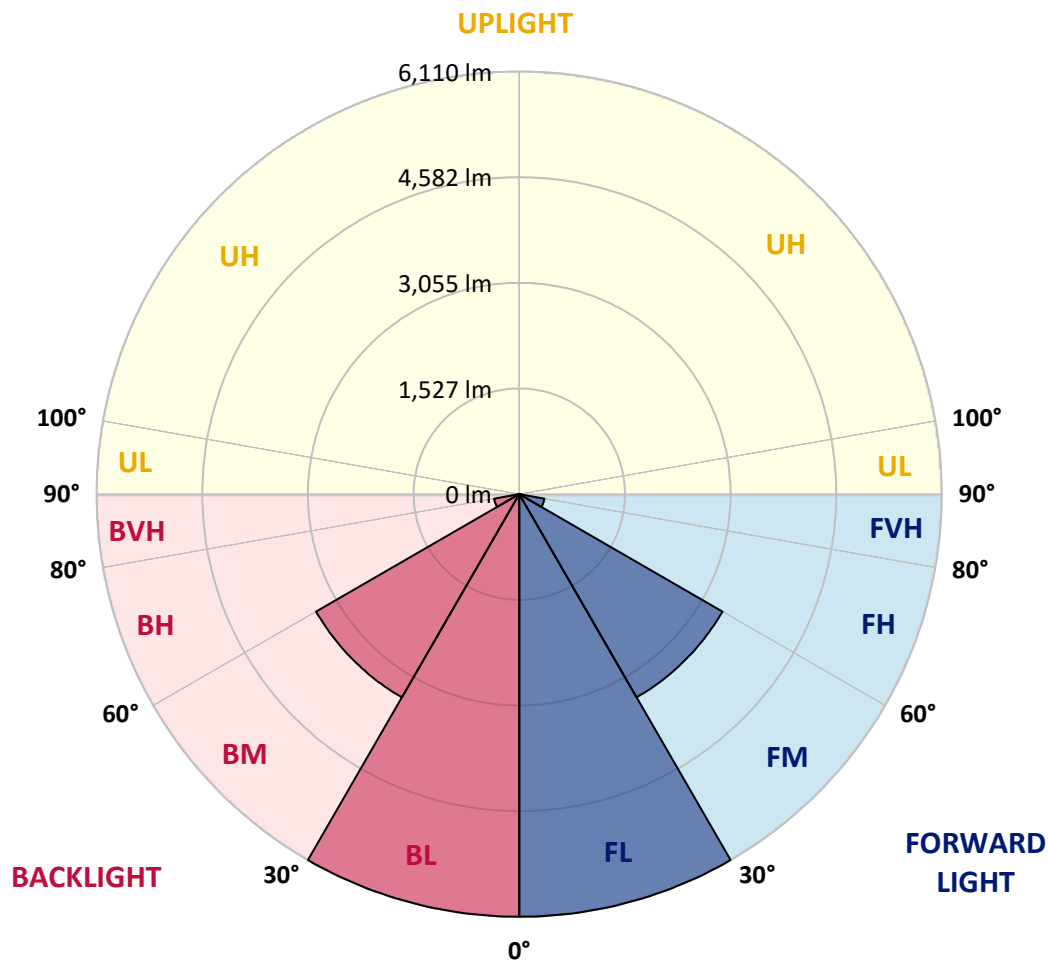
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6109.6	30.8			
FM	(30°-60°)	3393.0	17.1			
FH	(60°-80°)	369.7	1.9			G0/660
FVH	(80°-90°)	36.9	0.2			G1/100
BL	(0°-30°)	6109.6	30.8	B5		
BM	(30°-60°)	3393.0	17.1	B3/5000		
BH	(60°-80°)	369.7	1.9	B1/500		G0/660
BVH	(80°-90°)	36.9	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°	22685.7	22685.7	22685.7	22685.7	22685.7	22685.7	22685.7	22685.7	22685.7	22685.7
2.5°	22544.6	22541.6	22577.6	22595.7	22604.7	22646.7	22688.7	22799.8	22802.8	22868.9
5°	22514.6	22487.6	22511.6	22475.5	22484.6	22484.6	22538.6	22619.7	22649.7	22715.8
7.5°	21845.0	21839.0	21824.0	21784.9	21833.0	21799.9	21899.0	21971.1	22040.1	22073.2
10°	20595.8	20538.8	20538.8	20484.7	20532.8	20487.7	20649.9	20715.9	20833.0	20902.1
12.5°	18980.4	18956.3	18959.3	18935.3	18932.3	18869.3	19058.4	19115.5	19220.6	19322.7
15°	17256.8	17220.7	17253.8	17253.8	17226.7	17169.7	17370.9	17449.0	17602.1	17650.1
17.5°	15554.2	15539.2	15560.2	15569.2	15548.2	15494.2	15689.3	15860.5	15965.6	15965.6
20°	13992.8	13986.8	14013.8	13986.8	13965.8	13929.7	14109.9	14275.1	14368.1	14374.1
22.5°	12620.5	12653.6	12629.5	12596.5	12551.5	12524.4	12689.6	12842.7	12905.8	12968.9
25°	11416.4	11425.4	11443.5	11392.4	11338.4	11305.3	11428.4	11557.6	11656.7	11692.7
27.5°	10425.5	10458.6	10413.5	10335.4	10305.4	10266.4	10353.5	10446.6	10518.6	10569.7
30°	9461.6	9479.7	9488.7	9407.6	9335.5	9278.5	9350.5	9431.6	9458.6	9503.7
32.5°	8536.8	8566.8	8596.9	8497.8	8446.7	8392.7	8428.7	8479.8	8494.8	8497.8
35°	7615.0	7593.9	7566.9	7530.9	7491.8	7425.8	7461.8	7479.8	7491.8	7491.8
37.5°	6500.9	6519.0	6525.0	6455.9	6437.9	6392.8	6416.9	6419.9	6443.9	6458.9
40°	4918.5	4981.6	4939.5	4897.5	4903.5	4849.4	4840.4	4828.4	4882.5	4903.5
42.5°	2675.4	2783.5	2672.4	2708.5	2681.5	2651.4	2642.4	2657.4	2588.4	2531.3
45°	1345.2	1339.2	1363.2	1363.2	1387.3	1396.3	1375.3	1357.2	1348.2	1324.2
47.5°	1084.0	1066.0	1063.0	1078.0	1096.0	1108.0	1090.0	1081.0	1078.0	1093.0
50°	930.9	903.8	894.8	915.8	930.9	942.9	927.8	927.8	924.8	948.9
52.5°	810.7	783.7	783.7	825.8	837.8	849.8	840.8	840.8	840.8	867.8
55°	717.7	696.6	672.6	726.7	765.7	777.7	771.7	768.7	771.7	801.7
57.5°	645.6	633.6	618.6	630.6	690.6	705.6	702.6	702.6	708.6	732.7
60°	576.5	570.5	564.5	564.5	612.6	639.6	636.6	636.6	642.6	657.6
62.5°	513.5	507.5	501.5	507.5	525.5	567.5	567.5	570.5	579.5	585.5
65°	450.4	447.4	447.4	450.4	456.4	489.4	501.5	510.5	519.5	522.5
67.5°	390.4	387.4	390.4	396.4	396.4	411.4	438.4	447.4	456.4	456.4
70°	315.3	330.3	339.3	342.3	348.3	351.3	375.3	393.4	402.4	390.4
72.5°	171.2	195.2	294.3	303.3	306.3	309.3	327.3	348.3	354.3	231.2
75°	123.1	123.1	246.2	261.2	264.2	264.2	279.3	300.3	306.3	177.2
77.5°	81.1	78.1	171.2	189.2	216.2	174.2	228.2	252.2	258.2	147.1
80°	63.1	60.1	132.1	147.1	150.1	120.1	186.2	204.2	207.2	120.1
82.5°	48.0	45.0	96.1	108.1	117.1	78.1	132.1	156.1	162.1	105.1
85°	27.0	27.0	48.0	45.0	69.1	51.0	75.1	78.1	105.1	66.1
87.5°	9.0	12.0	21.0	21.0	24.0	21.0	30.0	30.0	33.0	24.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

22685.7
22889.9
22727.8
22127.2
20977.2
19391.7
17716.2
16004.6
14407.2
13004.9
11716.7
10584.7
9512.7
8533.8
7527.9
6522.0
4930.5
2558.3
1345.2
1105.0
978.9
897.8
819.7
750.7
669.6
594.5
528.5
456.4
345.3
198.2
174.2
144.1
108.1
108.1
63.1
18.0
0.0