

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: P524442

Luminaire Tested: **IFLD-L-SA7A-950-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524442
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-950-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (112) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22375.8 lumens
Efficiency: N/A
Efficacy: 102.8 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

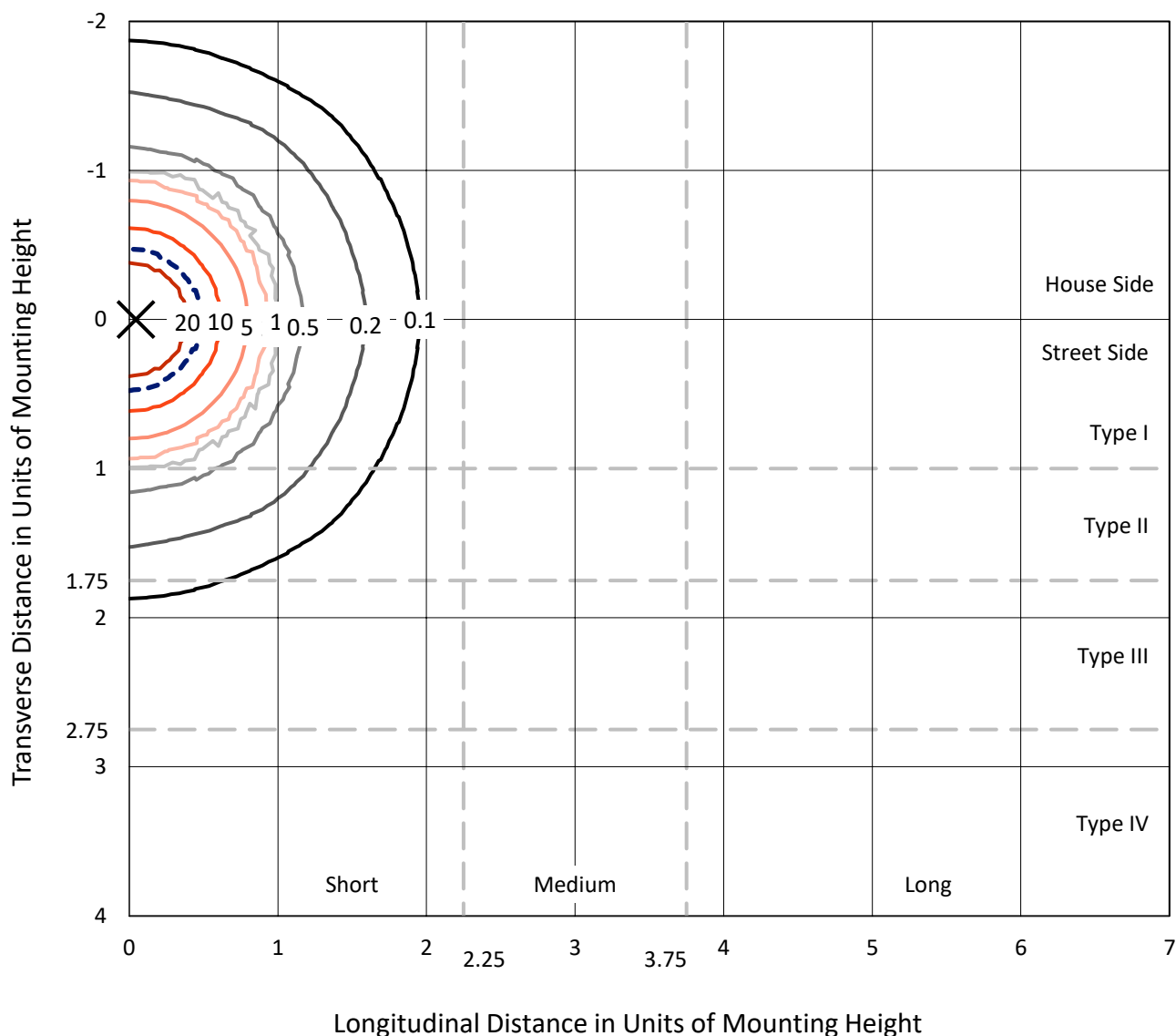
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

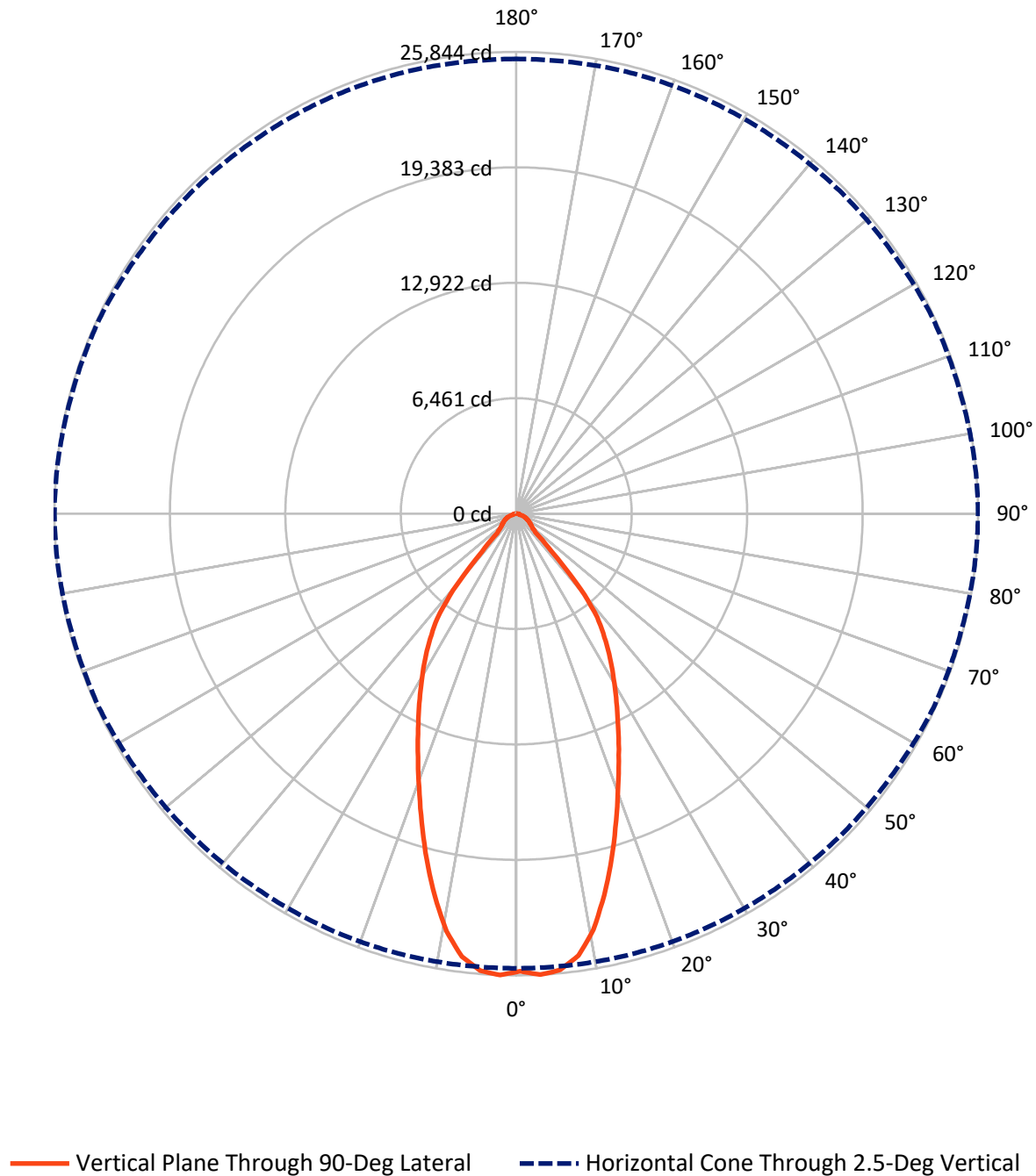


Based on 25 foot mounting height. Maximum calculated value = 41 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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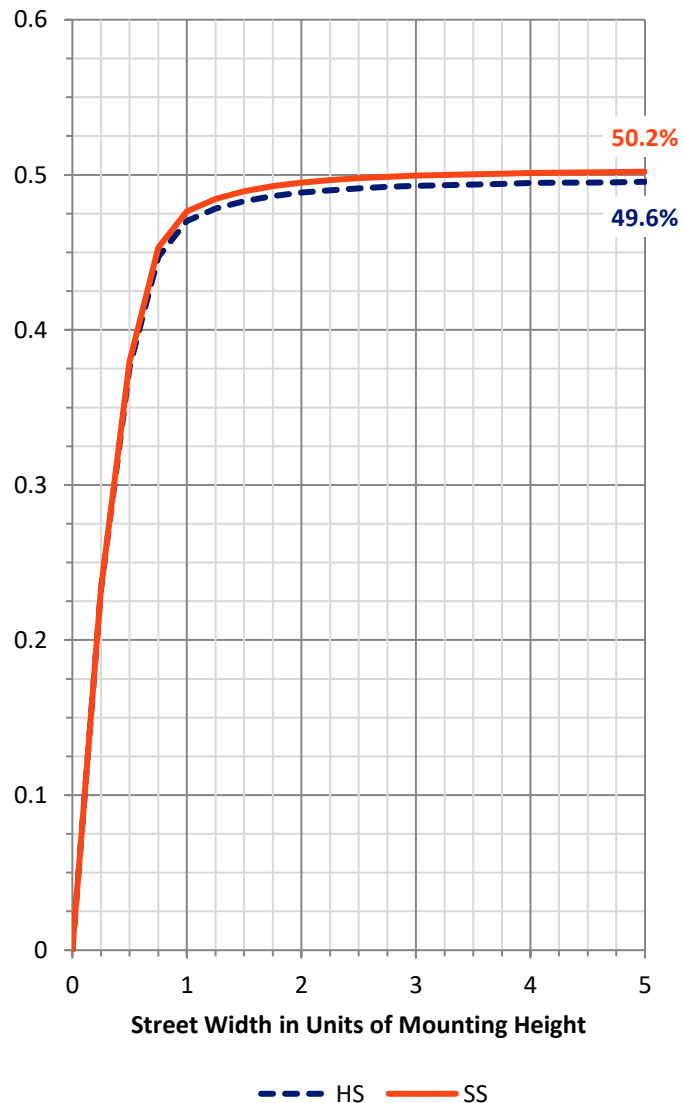
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11187.9	0.0	11187.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11187.9	0.0	11187.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	22375.8	0.0	22375.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2361.2	10.6
10°-20°	5450.6	24.4
20°-30°	5984.3	26.7
30°-40°	5188.8	23.2
40°-50°	1707.3	7.6
50°-60°	765.5	3.4
60°-70°	541.1	2.4
70°-80°	293.8	1.3
80°-90°	83.3	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°	22375.8	100.0
0°-180°	22375.8	100.0

Coefficient of Utilization



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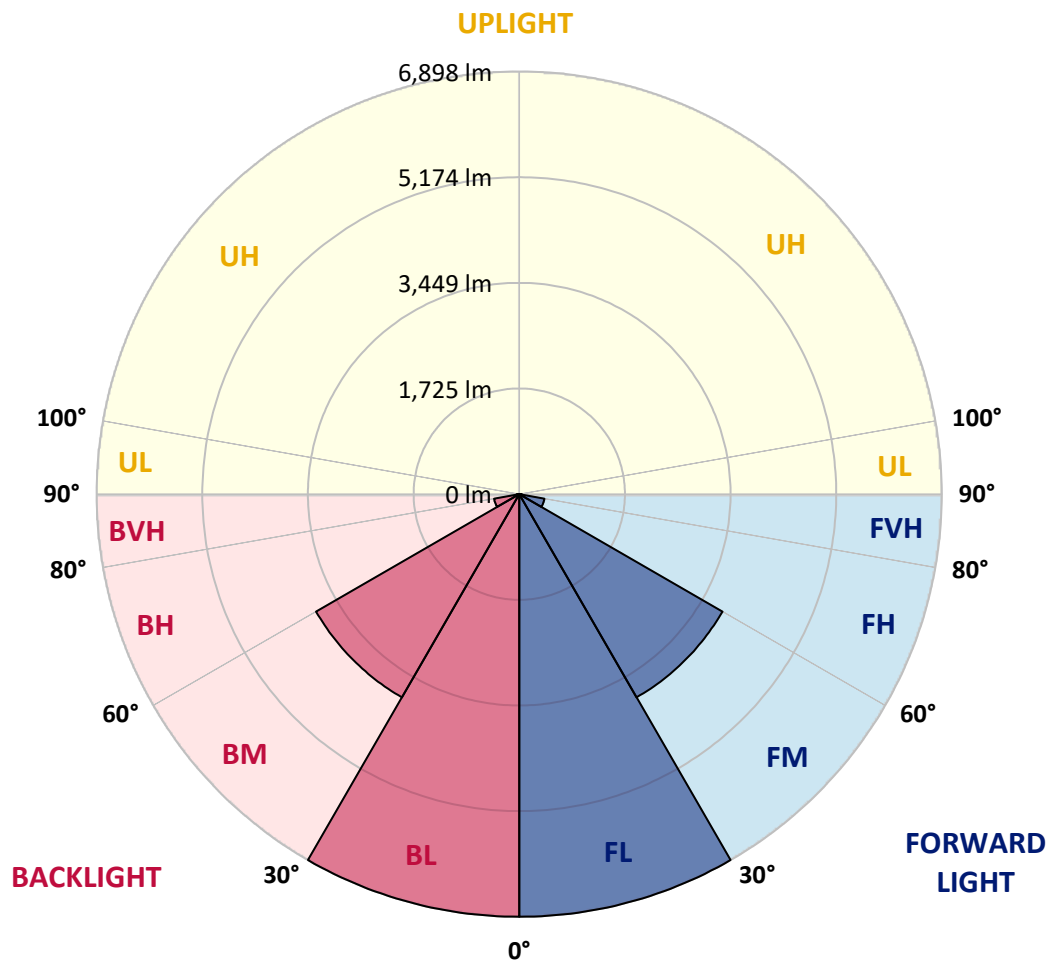
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6898.0	30.8			
FM	(30°-60°)	3830.8	17.1			
FH	(60°-80°)	417.4	1.9			G0/660
FVH	(80°-90°)	41.7	0.2			G1/100
BL	(0°-30°)	6898.0	30.8	B5		
BM	(30°-60°)	3830.8	17.1	B3/5000		
BH	(60°-80°)	417.4	1.9	B1/500		G0/660
BVH	(80°-90°)	41.7	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°	25613.3	25613.3	25613.3	25613.3	25613.3	25613.3	25613.3	25613.3	25613.3	25613.3
2.5°	25454.0	25450.6	25491.3	25511.6	25521.8	25569.3	25616.7	25742.2	25745.6	25820.1
5°	25420.1	25389.6	25416.7	25376.0	25386.2	25386.2	25447.2	25538.8	25572.7	25647.2
7.5°	24664.1	24657.3	24640.3	24596.3	24650.5	24613.2	24725.1	24806.5	24884.4	24921.7
10°	23253.7	23189.3	23189.3	23128.3	23182.5	23131.7	23314.8	23389.3	23521.6	23599.5
12.5°	21429.8	21402.7	21406.0	21378.9	21375.5	21304.3	21517.9	21582.3	21701.0	21816.3
15°	19483.8	19443.1	19480.4	19480.4	19449.9	19385.5	19612.6	19700.7	19873.6	19927.9
17.5°	17561.5	17544.5	17568.3	17578.5	17554.7	17493.7	17714.1	17907.3	18026.0	18026.0
20°	15798.6	15791.8	15822.3	15791.8	15768.1	15727.4	15930.8	16117.3	16222.3	16229.1
22.5°	14249.2	14286.5	14259.4	14222.1	14171.2	14140.7	14327.2	14500.1	14571.3	14642.5
25°	12889.7	12899.9	12920.2	12862.6	12801.6	12764.3	12903.3	13049.1	13161.0	13201.6
27.5°	11771.0	11808.2	11757.4	11669.2	11635.3	11591.3	11689.6	11794.7	11876.0	11933.7
30°	10682.7	10703.0	10713.2	10621.7	10540.3	10475.9	10557.2	10648.8	10679.3	10730.1
32.5°	9638.5	9672.4	9706.3	9594.4	9536.8	9475.8	9516.4	9574.1	9591.0	9594.4
35°	8597.7	8573.9	8543.4	8502.7	8458.7	8384.1	8424.8	8445.1	8458.7	8458.7
37.5°	7339.9	7360.2	7367.0	7289.0	7268.7	7217.8	7245.0	7248.4	7275.5	7292.4
40°	5553.2	5624.4	5577.0	5529.5	5536.3	5475.3	5465.1	5451.5	5512.5	5536.3
42.5°	3020.7	3142.8	3017.3	3058.0	3027.5	2993.6	2983.4	3000.4	2922.4	2858.0
45°	1518.8	1512.1	1539.2	1539.2	1566.3	1576.5	1552.7	1532.4	1522.2	1495.1
47.5°	1223.9	1203.5	1200.1	1217.1	1237.4	1251.0	1230.7	1220.5	1217.1	1234.1
50°	1051.0	1020.5	1010.3	1034.0	1051.0	1064.5	1047.6	1047.6	1044.2	1071.3
52.5°	915.4	884.9	884.9	932.3	945.9	959.4	949.3	949.3	949.3	979.8
55°	810.3	786.5	759.4	820.4	864.5	878.1	871.3	867.9	871.3	905.2
57.5°	728.9	715.3	698.4	712.0	779.8	796.7	793.3	793.3	800.1	827.2
60°	650.9	644.1	637.4	637.4	691.6	722.1	718.7	718.7	725.5	742.5
62.5°	579.7	573.0	566.2	573.0	593.3	640.8	640.8	644.1	654.3	661.1
65°	508.5	505.1	505.1	508.5	515.3	552.6	566.2	576.3	586.5	589.9
67.5°	440.7	437.3	440.7	447.5	447.5	464.5	495.0	505.1	515.3	515.3
70°	356.0	372.9	383.1	386.5	393.3	396.7	423.8	444.1	454.3	440.7
72.5°	193.2	220.4	332.2	342.4	345.8	349.2	369.5	393.3	400.0	261.0
75°	139.0	139.0	278.0	295.0	298.3	298.3	315.3	339.0	345.8	200.0
77.5°	91.5	88.1	193.2	213.6	244.1	196.6	257.7	284.8	291.6	166.1
80°	71.2	67.8	149.2	166.1	169.5	135.6	210.2	230.5	233.9	135.6
82.5°	54.2	50.9	108.5	122.0	132.2	88.1	149.2	176.3	183.1	118.7
85°	30.5	30.5	54.2	50.9	78.0	57.6	84.8	88.1	118.7	74.6
87.5°	10.2	13.6	23.7	23.7	27.1	23.7	33.9	33.9	37.3	27.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

25613.3
25843.9
25660.8
24982.8
23684.3
21894.2
20002.5
18070.0
16266.4
14683.2
13228.8
11950.6
10740.3
9635.1
8499.4
7363.6
5566.8
2888.5
1518.8
1247.6
1105.2
1013.7
925.5
847.6
756.0
671.3
596.7
515.3
389.9
223.8
196.6
162.7
122.0
122.0
71.2
20.3
0.0