

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: P524437

Luminaire Tested: **IFLD-M-SA4A-950-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524437
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-950-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (64) 5000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13201.8 lumens
Efficiency: N/A
Efficacy: 102.7 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): 128.6
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

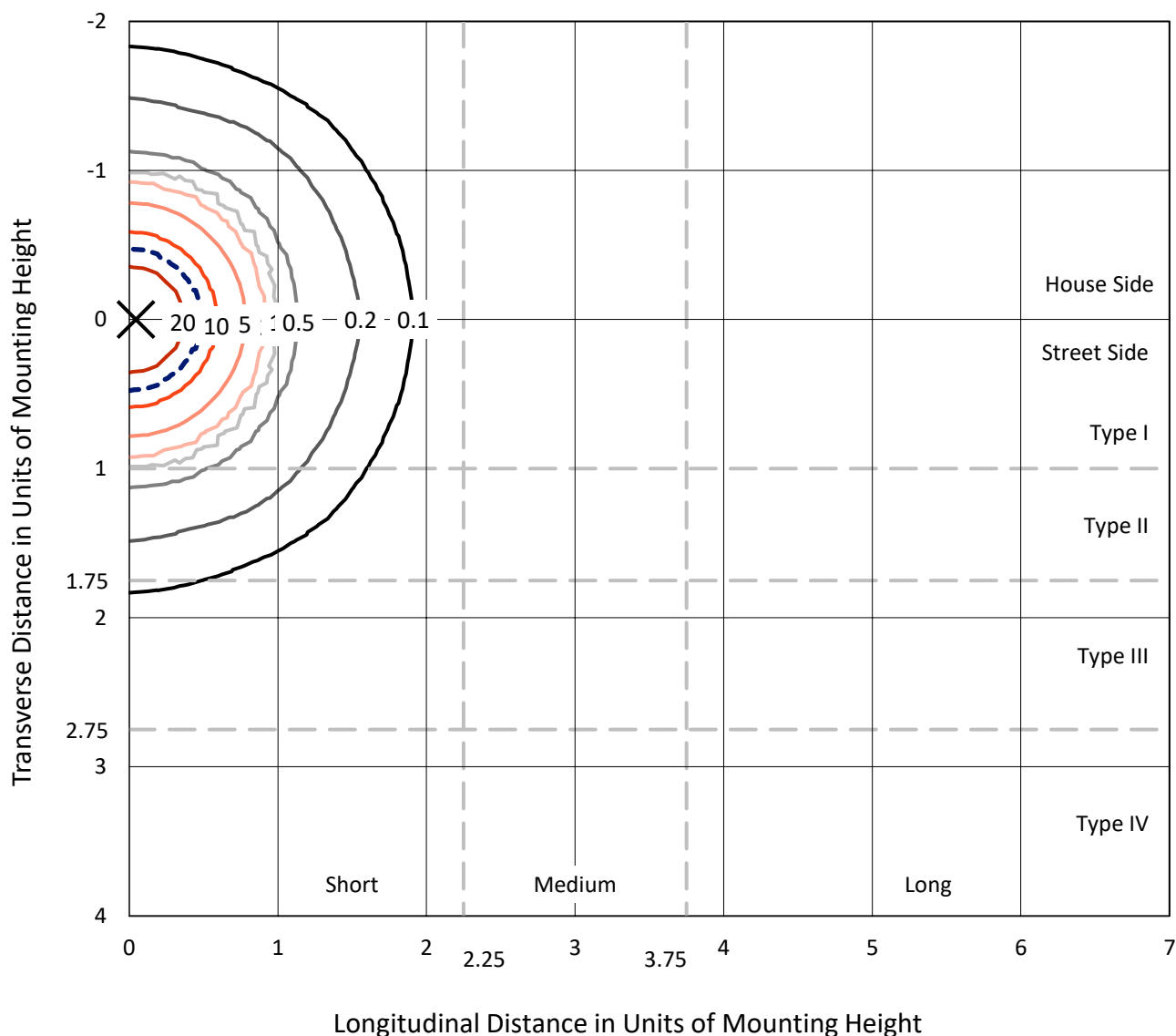
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

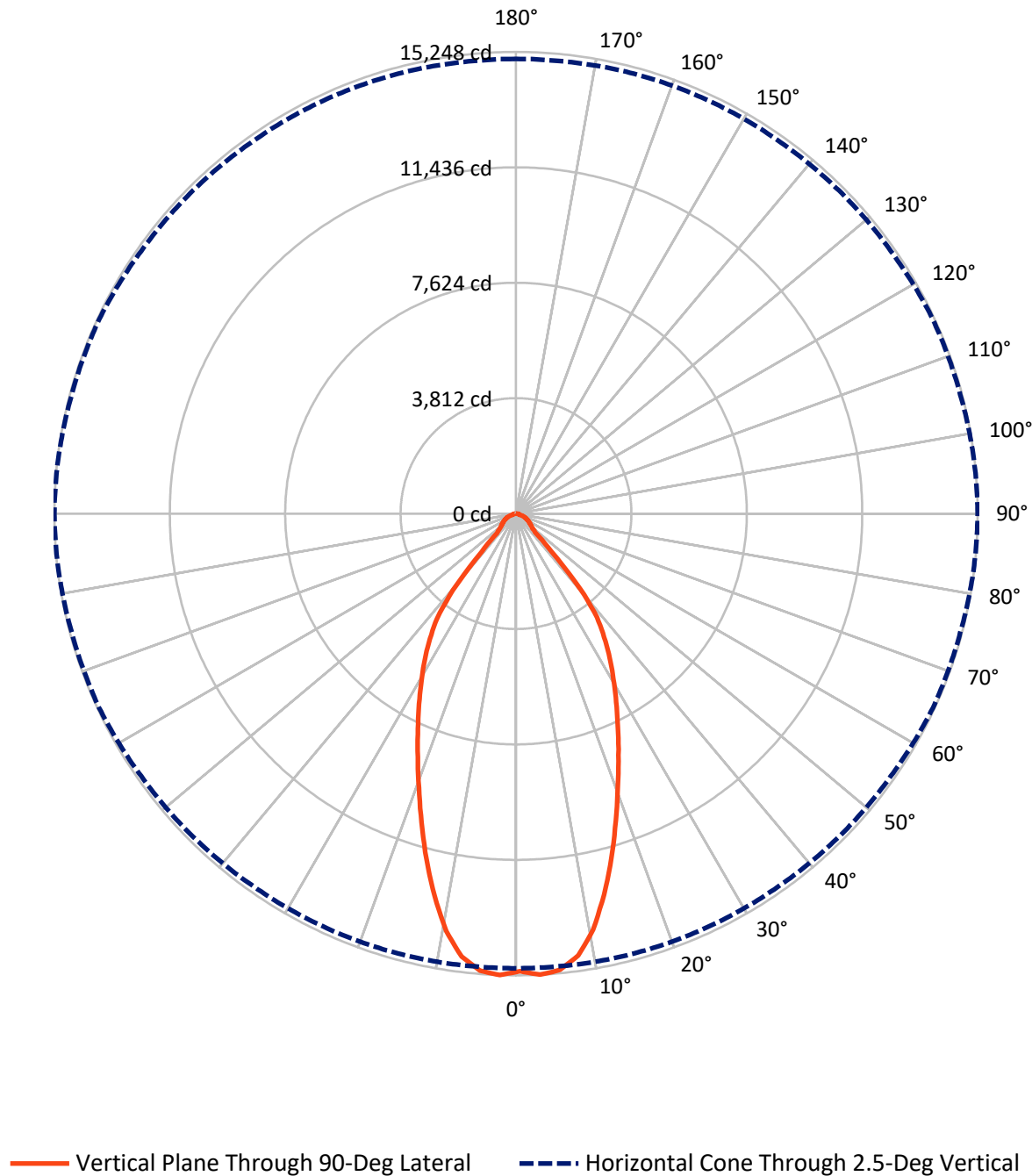


Based on 20 foot mounting height. Maximum calculated value = 37.8 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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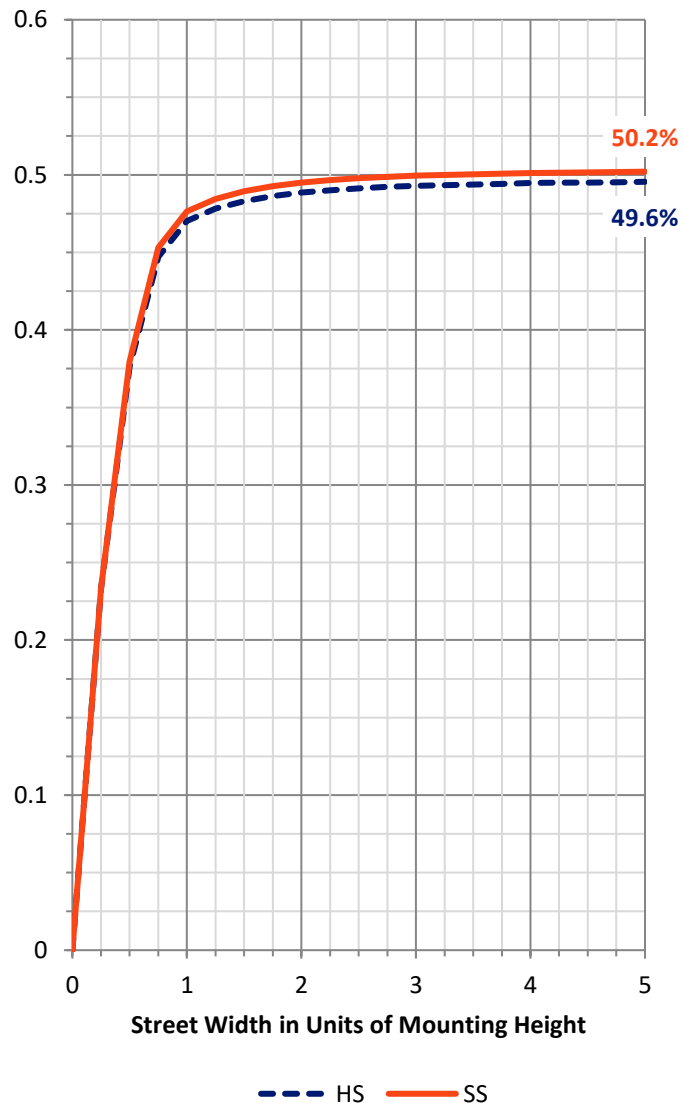
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6600.9	0.0	6600.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6600.9	0.0	6600.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	13201.8	0.0	13201.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1393.1	10.6
10°-20°	3215.9	24.4
20°-30°	3530.7	26.7
30°-40°	3061.4	23.2
40°-50°	1007.3	7.6
50°-60°	451.7	3.4
60°-70°	319.2	2.4
70°-80°	173.3	1.3
80°-90°	49.1	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°	13201.8	100.0
0°-180°	13201.8	100.0

Coefficient of Utilization



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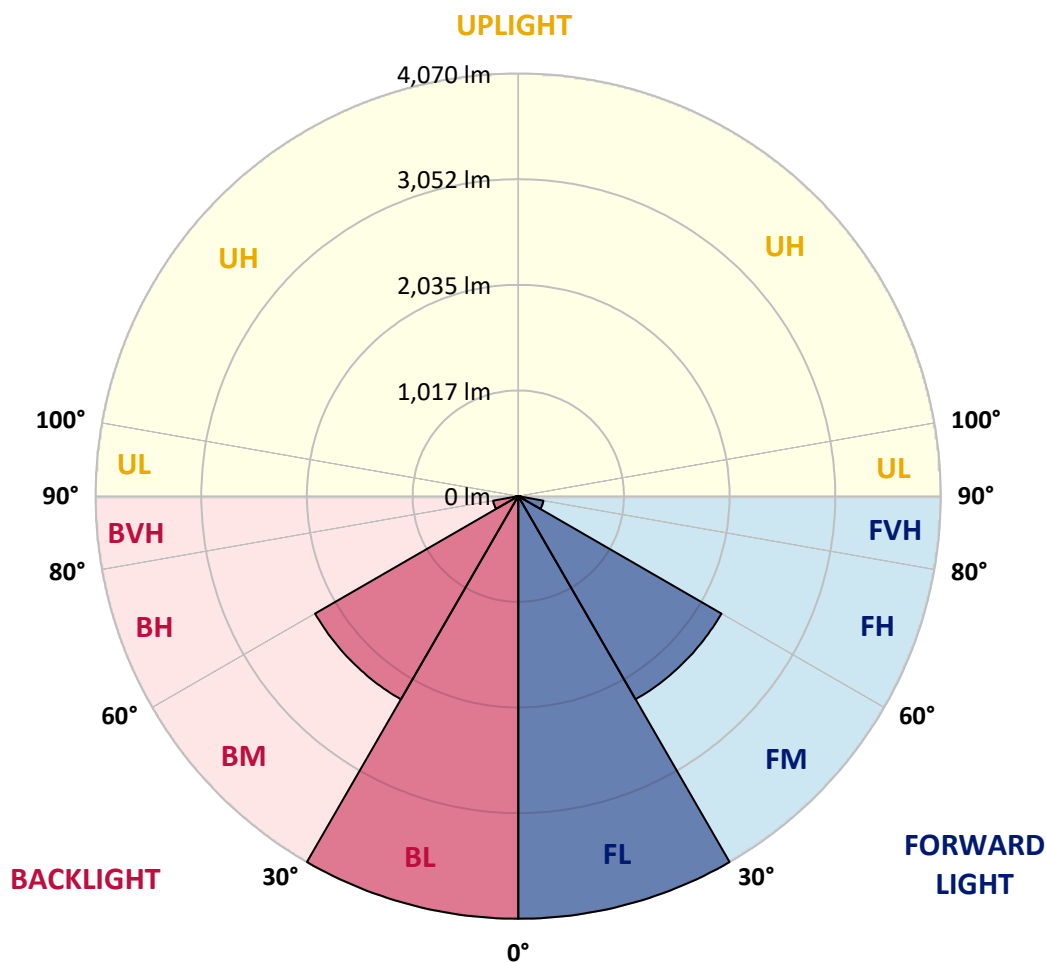
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4069.9	30.8			
FM	(30°-60°)	2260.2	17.1			
FH	(60°-80°)	246.3	1.9			G0/660
FVH	(80°-90°)	24.6	0.2			G1/100
BL	(0°-30°)	4069.9	30.8	B4/5000		
BM	(30°-60°)	2260.2	17.1	B2/2500		
BH	(60°-80°)	246.3	1.9	B1/500		G0/660
BVH	(80°-90°)	24.6	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°	15111.9	15111.9	15111.9	15111.9	15111.9	15111.9	15111.9	15111.9	15111.9	15111.9
2.5°	15017.9	15015.9	15039.9	15051.9	15057.9	15085.9	15113.9	15187.9	15189.9	15233.9
5°	14997.9	14979.9	14995.9	14971.9	14977.9	14977.9	15013.9	15067.9	15087.9	15131.9
7.5°	14551.8	14547.8	14537.8	14511.8	14543.8	14521.8	14587.9	14635.9	14681.9	14703.9
10°	13719.7	13681.7	13681.7	13645.7	13677.7	13647.7	13755.7	13799.8	13877.8	13923.8
12.5°	12643.6	12627.6	12629.6	12613.6	12611.6	12569.6	12695.6	12733.6	12803.6	12871.6
15°	11495.5	11471.5	11493.5	11493.5	11475.5	11437.5	11571.5	11623.5	11725.5	11757.5
17.5°	10361.3	10351.3	10365.3	10371.3	10357.3	10321.3	10451.3	10565.3	10635.4	10635.4
20°	9321.2	9317.2	9335.2	9317.2	9303.2	9279.2	9399.2	9509.2	9571.2	9575.2
22.5°	8407.1	8429.1	8413.1	8391.1	8361.1	8343.1	8453.1	8555.1	8597.1	8639.1
25°	7605.0	7611.0	7623.0	7589.0	7553.0	7531.0	7613.0	7699.0	7765.0	7789.0
27.5°	6944.9	6966.9	6936.9	6884.9	6864.9	6838.9	6896.9	6958.9	7006.9	7040.9
30°	6302.8	6314.8	6320.8	6266.8	6218.8	6180.8	6228.8	6282.8	6300.8	6330.8
32.5°	5686.7	5706.7	5726.7	5660.7	5626.7	5590.7	5614.7	5648.7	5658.7	5660.7
35°	5072.6	5058.6	5040.6	5016.6	4990.6	4946.6	4970.6	4982.6	4990.6	4990.6
37.5°	4330.6	4342.6	4346.6	4300.5	4288.5	4258.5	4274.5	4276.5	4292.5	4302.5
40°	3276.4	3318.4	3290.4	3262.4	3266.4	3230.4	3224.4	3216.4	3252.4	3266.4
42.5°	1782.2	1854.2	1780.2	1804.2	1786.2	1766.2	1760.2	1770.2	1724.2	1686.2
45°	896.1	892.1	908.1	908.1	924.1	930.1	916.1	904.1	898.1	882.1
47.5°	722.1	710.1	708.1	718.1	730.1	738.1	726.1	720.1	718.1	728.1
50°	620.1	602.1	596.1	610.1	620.1	628.1	618.1	618.1	616.1	632.1
52.5°	540.1	522.1	522.1	550.1	558.1	566.1	560.1	560.1	560.1	578.1
55°	478.1	464.1	448.1	484.1	510.1	518.1	514.1	512.1	514.1	534.1
57.5°	430.1	422.1	412.1	420.1	460.1	470.1	468.1	468.1	472.1	488.1
60°	384.0	380.0	376.0	376.0	408.1	426.1	424.1	424.1	428.1	438.1
62.5°	342.0	338.0	334.0	338.0	350.0	378.0	378.0	380.0	386.0	390.0
65°	300.0	298.0	298.0	300.0	304.0	326.0	334.0	340.0	346.0	348.0
67.5°	260.0	258.0	260.0	264.0	264.0	274.0	292.0	298.0	304.0	304.0
70°	210.0	220.0	226.0	228.0	232.0	234.0	250.0	262.0	268.0	260.0
72.5°	114.0	130.0	196.0	202.0	204.0	206.0	218.0	232.0	236.0	154.0
75°	82.0	82.0	164.0	174.0	176.0	176.0	186.0	200.0	204.0	118.0
77.5°	54.0	52.0	114.0	126.0	144.0	116.0	152.0	168.0	172.0	98.0
80°	42.0	40.0	88.0	98.0	100.0	80.0	124.0	136.0	138.0	80.0
82.5°	32.0	30.0	64.0	72.0	78.0	52.0	88.0	104.0	108.0	70.0
85°	18.0	18.0	32.0	30.0	46.0	34.0	50.0	52.0	70.0	44.0
87.5°	6.0	8.0	14.0	14.0	16.0	14.0	20.0	20.0	22.0	16.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

15111.9
15247.9
15139.9
14739.9
13973.8
12917.6
11801.5
10661.4
9597.2
8663.1
7805.0
7050.9
6336.8
5684.7
5014.6
4344.6
3284.4
1704.2
896.1
736.1
652.1
598.1
546.1
500.1
446.1
396.1
352.0
304.0
230.0
132.0
116.0
96.0
72.0
72.0
42.0
12.0
0.0