

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: P524373

Luminaire Tested: **IFLD-S-SA2A-940-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524373
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-940-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (32) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6599.9 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 63.8
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

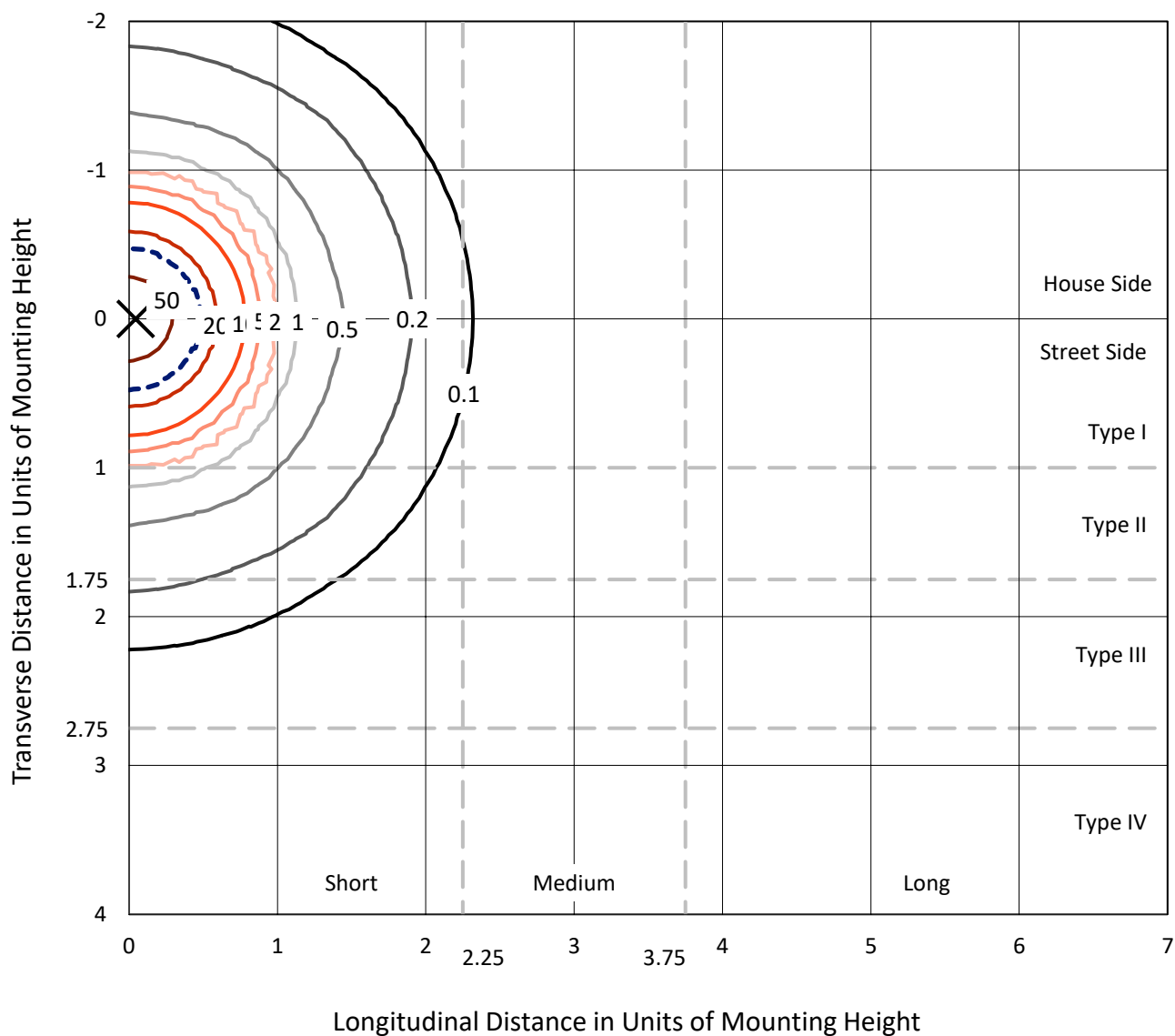
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

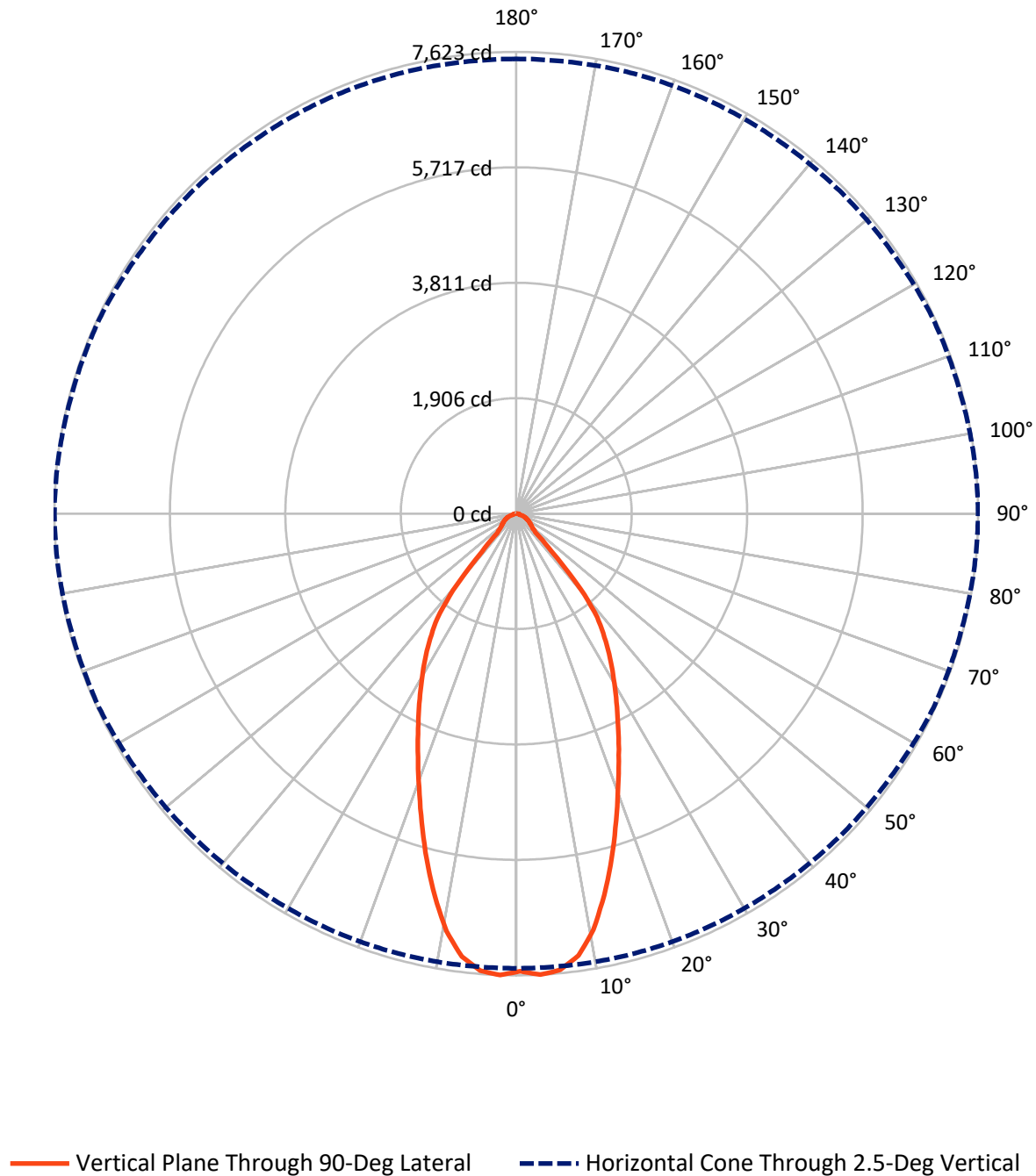


Based on 10 foot mounting height. Maximum calculated value = 75.5 fc

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	3299.9	0.0	3299.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3299.9	0.0	3299.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6599.9	0.0	6599.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	696.4	10.6
10°-20°	1607.7	24.4
20°-30°	1765.1	26.7
30°-40°	1530.4	23.2
40°-50°	503.6	7.6
50°-60°	225.8	3.4
60°-70°	159.6	2.4
70°-80°	86.7	1.3
80°-90°	24.6	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°	6599.9	100.0
0°-180°	6599.9	100.0

Coefficient of Utilization



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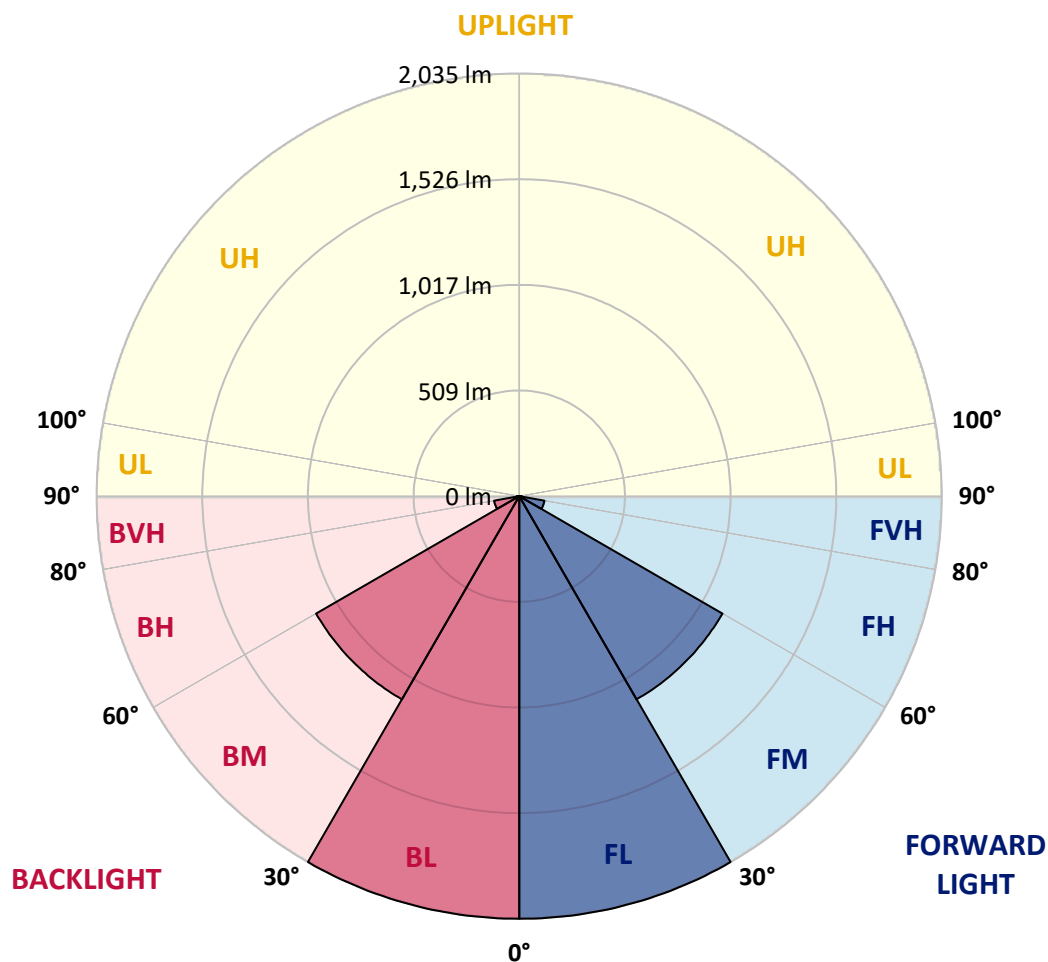
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2034.6	30.8			
FM	(30°-60°)	1129.9	17.1			
FH	(60°-80°)	123.1	1.9			G0/660
FVH	(80°-90°)	12.3	0.2			G1/100
BL	(0°-30°)	2034.6	30.8	B3/2500		
BM	(30°-60°)	1129.9	17.1	B2/2500		
BH	(60°-80°)	123.1	1.9	B1/500		G0/660
BVH	(80°-90°)	12.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7554.8	7554.8	7554.8	7554.8	7554.8	7554.8	7554.8	7554.8	7554.8	7554.8
2.5°	7507.8	7506.8	7518.8	7524.8	7527.8	7541.8	7555.8	7592.8	7593.8	7615.8
5°	7497.8	7488.8	7496.8	7484.8	7487.8	7487.8	7505.8	7532.8	7542.8	7564.8
7.5°	7274.8	7272.8	7267.8	7254.8	7270.8	7259.8	7292.8	7316.8	7339.8	7350.8
10°	6858.8	6839.8	6839.8	6821.8	6837.8	6822.8	6876.8	6898.8	6937.8	6960.8
12.5°	6320.8	6312.8	6313.8	6305.8	6304.8	6283.8	6346.8	6365.8	6400.8	6434.8
15°	5746.8	5734.8	5745.8	5745.8	5736.8	5717.8	5784.8	5810.8	5861.8	5877.8
17.5°	5179.8	5174.8	5181.8	5184.8	5177.8	5159.8	5224.8	5281.8	5316.8	5316.8
20°	4659.9	4657.9	4666.9	4657.9	4650.9	4638.9	4698.9	4753.9	4784.8	4786.8
22.5°	4202.9	4213.9	4205.9	4194.9	4179.9	4170.9	4225.9	4276.9	4297.9	4318.9
25°	3801.9	3804.9	3810.9	3793.9	3775.9	3764.9	3805.9	3848.9	3881.9	3893.9
27.5°	3471.9	3482.9	3467.9	3441.9	3431.9	3418.9	3447.9	3478.9	3502.9	3519.9
30°	3150.9	3156.9	3159.9	3132.9	3108.9	3089.9	3113.9	3140.9	3149.9	3164.9
32.5°	2842.9	2852.9	2862.9	2829.9	2812.9	2794.9	2806.9	2823.9	2828.9	2829.9
35°	2535.9	2528.9	2519.9	2507.9	2494.9	2472.9	2484.9	2490.9	2494.9	2494.9
37.5°	2164.9	2170.9	2172.9	2149.9	2143.9	2128.9	2136.9	2137.9	2145.9	2150.9
40°	1637.9	1658.9	1644.9	1630.9	1632.9	1614.9	1611.9	1607.9	1625.9	1632.9
42.5°	891.0	927.0	890.0	902.0	893.0	883.0	880.0	885.0	862.0	843.0
45°	448.0	446.0	454.0	454.0	462.0	465.0	458.0	452.0	449.0	441.0
47.5°	361.0	355.0	354.0	359.0	365.0	369.0	363.0	360.0	359.0	364.0
50°	310.0	301.0	298.0	305.0	310.0	314.0	309.0	309.0	308.0	316.0
52.5°	270.0	261.0	261.0	275.0	279.0	283.0	280.0	280.0	280.0	289.0
55°	239.0	232.0	224.0	242.0	255.0	259.0	257.0	256.0	257.0	267.0
57.5°	215.0	211.0	206.0	210.0	230.0	235.0	234.0	234.0	236.0	244.0
60°	192.0	190.0	188.0	188.0	204.0	213.0	212.0	212.0	214.0	219.0
62.5°	171.0	169.0	167.0	169.0	175.0	189.0	189.0	190.0	193.0	195.0
65°	150.0	149.0	149.0	150.0	152.0	163.0	167.0	170.0	173.0	174.0
67.5°	130.0	129.0	130.0	132.0	132.0	137.0	146.0	149.0	152.0	152.0
70°	105.0	110.0	113.0	114.0	116.0	117.0	125.0	131.0	134.0	130.0
72.5°	57.0	65.0	98.0	101.0	102.0	103.0	109.0	116.0	118.0	77.0
75°	41.0	41.0	82.0	87.0	88.0	88.0	93.0	100.0	102.0	59.0
77.5°	27.0	26.0	57.0	63.0	72.0	58.0	76.0	84.0	86.0	49.0
80°	21.0	20.0	44.0	49.0	50.0	40.0	62.0	68.0	69.0	40.0
82.5°	16.0	15.0	32.0	36.0	39.0	26.0	44.0	52.0	54.0	35.0
85°	9.0	9.0	16.0	15.0	23.0	17.0	25.0	26.0	35.0	22.0
87.5°	3.0	4.0	7.0	7.0	8.0	7.0	10.0	10.0	11.0	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7554.8
7622.8
7568.8
7368.8
6985.8
6457.8
5899.8
5329.8
4797.8
4330.9
3901.9
3524.9
3167.9
2841.9
2506.9
2171.9
1641.9
852.0
448.0
368.0
326.0
299.0
273.0
250.0
223.0
198.0
176.0
152.0
115.0
66.0
58.0
48.0
36.0
36.0
21.0
6.0
0.0