

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: P524399

Luminaire Tested: **IFLD-M-SA4B-940-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524399
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-940-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (64) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16327.3 lumens
Efficiency: N/A
Efficacy: 98.3 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): 166.1
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

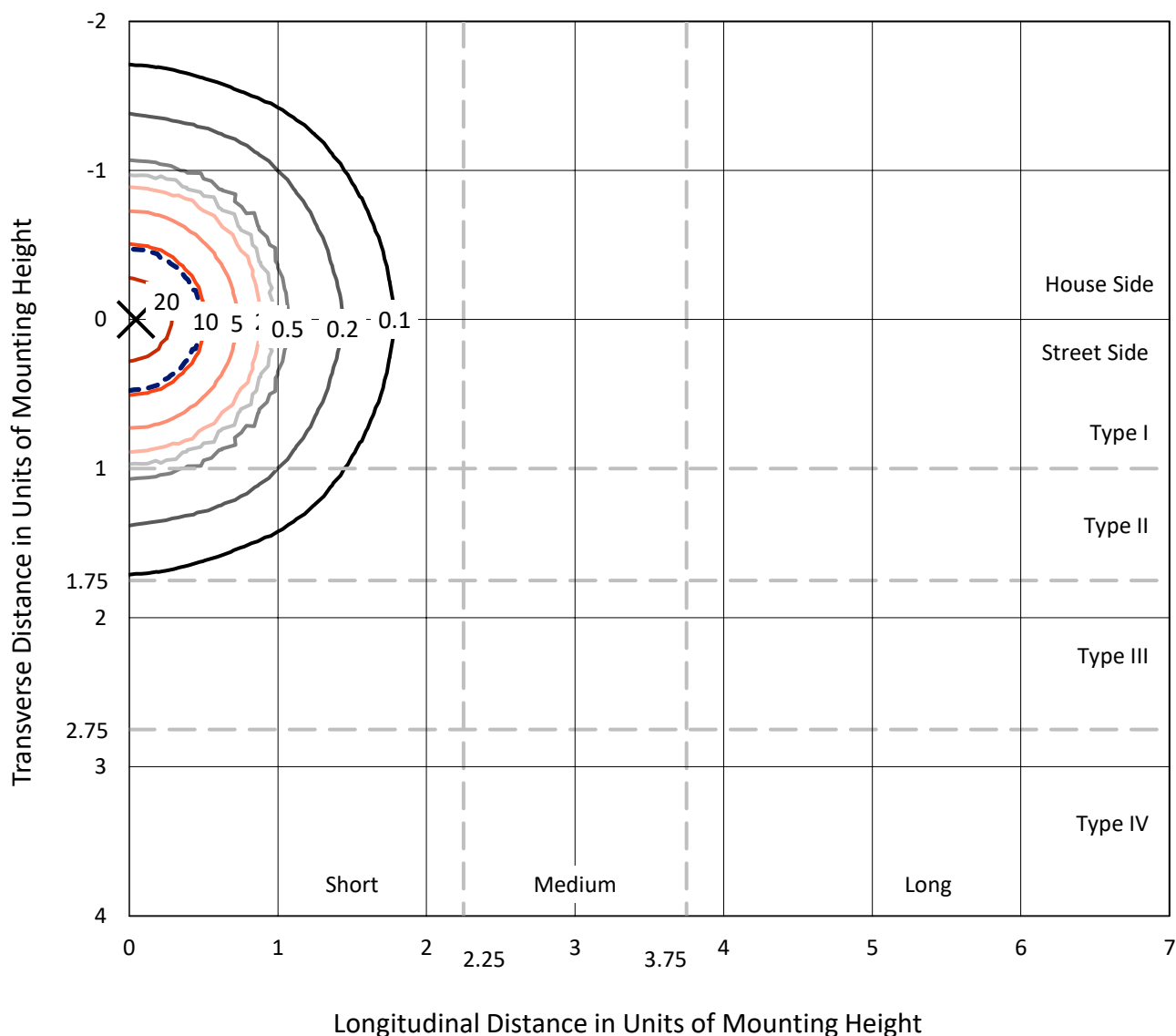
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

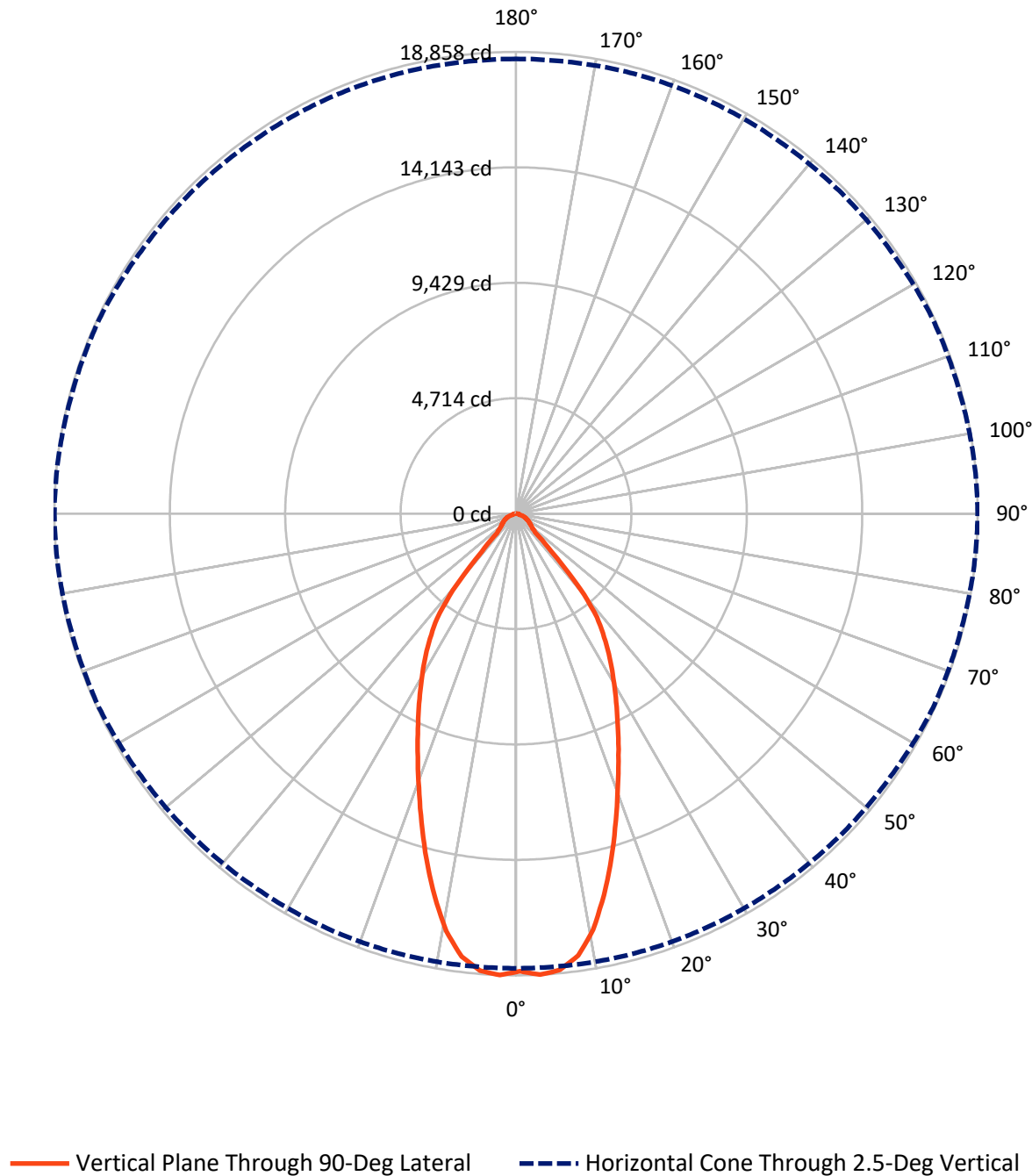


Based on 25 foot mounting height. Maximum calculated value = 29.9 fc

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	8163.6	0.0	8163.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8163.6	0.0	8163.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	16327.3	0.0	16327.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1722.9	10.6
10°-20°	3977.2	24.4
20°-30°	4366.6	26.7
30°-40°	3786.2	23.2
40°-50°	1245.8	7.6
50°-60°	558.6	3.4
60°-70°	394.8	2.4
70°-80°	214.4	1.3
80°-90°	60.8	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°	16327.3	100.0
0°-180°	16327.3	100.0

Coefficient of Utilization



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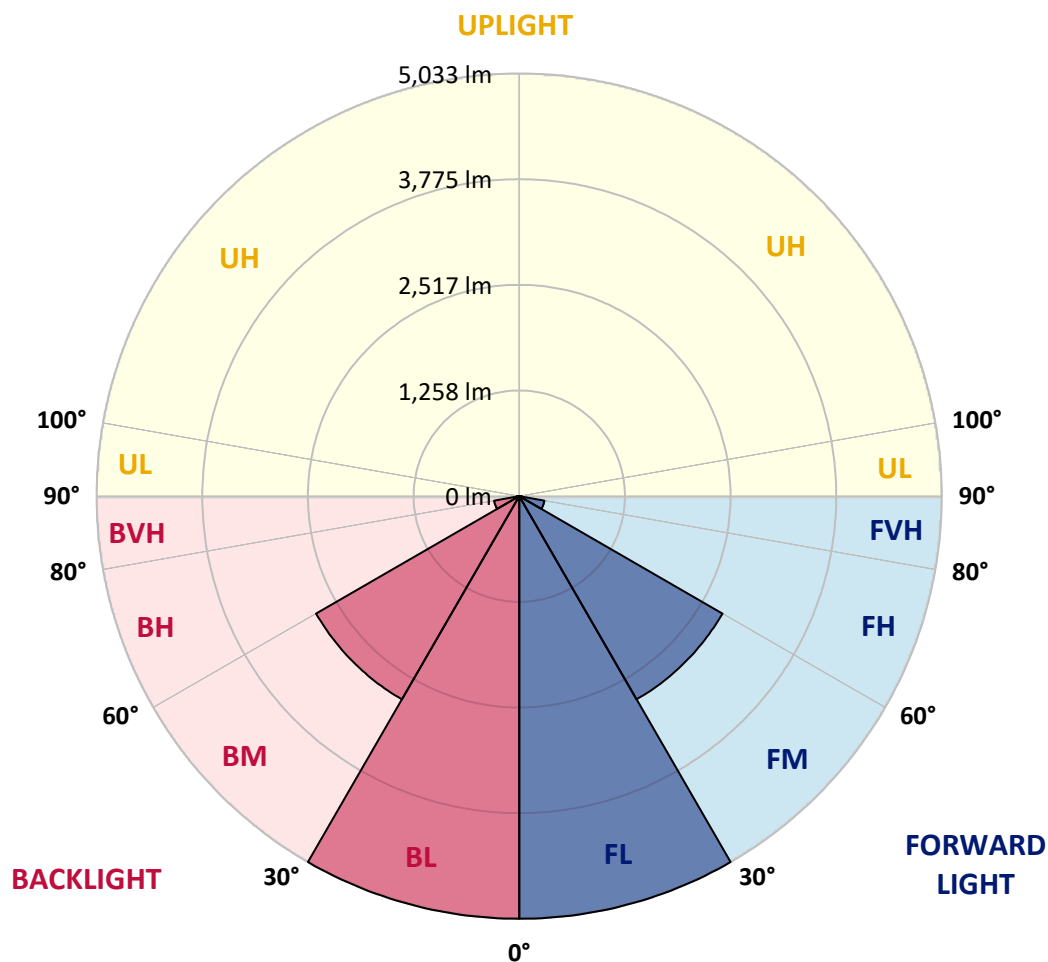
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5033.4	30.8			
FM	(30°-60°)	2795.3	17.1			
FH	(60°-80°)	304.6	1.9			G0/660
FVH	(80°-90°)	30.4	0.2			G1/100
BL	(0°-30°)	5033.4	30.8	B5		
BM	(30°-60°)	2795.3	17.1	B3/5000		
BH	(60°-80°)	304.6	1.9	B1/500		G0/660
BVH	(80°-90°)	30.4	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°	18689.6	18689.6	18689.6	18689.6	18689.6	18689.6	18689.6	18689.6	18689.6	18689.6
2.5°	18573.3	18570.9	18600.6	18615.4	18622.8	18657.5	18692.1	18783.6	18786.1	18840.5
5°	18548.6	18526.3	18546.1	18516.4	18523.9	18523.9	18568.4	18635.2	18659.9	18714.3
7.5°	17996.9	17992.0	17979.6	17947.5	17987.0	17959.8	18041.5	18100.8	18157.7	18185.0
10°	16967.8	16920.8	16920.8	16876.3	16915.9	16878.8	17012.4	17066.8	17163.3	17220.2
12.5°	15636.9	15617.1	15619.6	15599.8	15597.4	15545.4	15701.3	15748.3	15834.8	15918.9
15°	14217.0	14187.3	14214.5	14214.5	14192.2	14145.2	14311.0	14375.3	14501.5	14541.0
17.5°	12814.3	12801.9	12819.3	12826.7	12809.4	12764.8	12925.6	13066.6	13153.2	13153.2
20°	11527.9	11523.0	11545.3	11523.0	11505.7	11476.0	11624.4	11760.5	11837.2	11842.1
22.5°	10397.4	10424.6	10404.8	10377.6	10340.5	10318.2	10454.3	10580.5	10632.4	10684.4
25°	9405.4	9412.8	9427.7	9385.6	9341.1	9313.9	9415.3	9521.7	9603.3	9633.0
27.5°	8589.1	8616.3	8579.2	8514.8	8490.1	8457.9	8529.7	8606.4	8665.7	8707.8
30°	7795.0	7809.8	7817.2	7750.4	7691.1	7644.1	7703.4	7770.2	7792.5	7829.6
32.5°	7033.0	7057.8	7082.5	7000.9	6958.8	6914.3	6944.0	6986.0	6998.4	7000.9
35°	6273.6	6256.3	6234.0	6204.3	6172.1	6117.7	6147.4	6162.3	6172.1	6172.1
37.5°	5355.8	5370.6	5375.6	5318.7	5303.8	5266.7	5286.5	5289.0	5308.8	5321.2
40°	4052.1	4104.0	4069.4	4034.8	4039.7	3995.2	3987.8	3977.9	4022.4	4039.7
42.5°	2204.2	2293.2	2201.7	2231.4	2209.1	2184.4	2176.9	2189.3	2132.4	2085.4
45°	1108.3	1103.3	1123.1	1123.1	1142.9	1150.3	1133.0	1118.2	1110.7	1090.9
47.5°	893.0	878.2	875.7	888.1	902.9	912.8	898.0	890.6	888.1	900.5
50°	766.9	744.6	737.2	754.5	766.9	776.8	764.4	764.4	761.9	781.7
52.5°	667.9	645.7	645.7	680.3	690.2	700.1	692.7	692.7	692.7	714.9
55°	591.2	573.9	554.1	598.7	630.8	640.7	635.8	633.3	635.8	660.5
57.5°	531.9	522.0	509.6	519.5	569.0	581.3	578.9	578.9	583.8	603.6
60°	475.0	470.0	465.1	465.1	504.7	526.9	524.4	524.4	529.4	541.8
62.5°	423.0	418.1	413.1	418.1	432.9	467.5	467.5	470.0	477.4	482.4
65°	371.1	368.6	368.6	371.1	376.0	403.2	413.1	420.5	428.0	430.4
67.5°	321.6	319.1	321.6	326.5	326.5	338.9	361.2	368.6	376.0	376.0
70°	259.7	272.1	279.5	282.0	287.0	289.4	309.2	324.1	331.5	321.6
72.5°	141.0	160.8	242.4	249.9	252.3	254.8	269.6	287.0	291.9	190.5
75°	101.4	101.4	202.9	215.2	217.7	217.7	230.1	247.4	252.3	146.0
77.5°	66.8	64.3	141.0	155.8	178.1	143.5	188.0	207.8	212.7	121.2
80°	51.9	49.5	108.8	121.2	123.7	99.0	153.4	168.2	170.7	99.0
82.5°	39.6	37.1	79.2	89.1	96.5	64.3	108.8	128.6	133.6	86.6
85°	22.3	22.3	39.6	37.1	56.9	42.1	61.8	64.3	86.6	54.4
87.5°	7.4	9.9	17.3	17.3	19.8	17.3	24.7	24.7	27.2	19.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

18689.6
18857.8
18724.2
18229.5
17282.0
15975.8
14595.5
13185.4
11869.3
10714.1
9652.8
8720.2
7837.0
7030.6
6201.8
5373.1
4062.0
2107.7
1108.3
910.4
806.5
739.7
675.3
618.5
551.7
489.8
435.4
376.0
284.5
163.3
143.5
118.7
89.1
89.1
51.9
14.8
0.0