

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: P524283

Luminaire Tested: **IFLD-M-SA4C-927-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524283
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17806.8 lumens
Efficiency: N/A
Efficacy: 81.6 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): 218.1
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

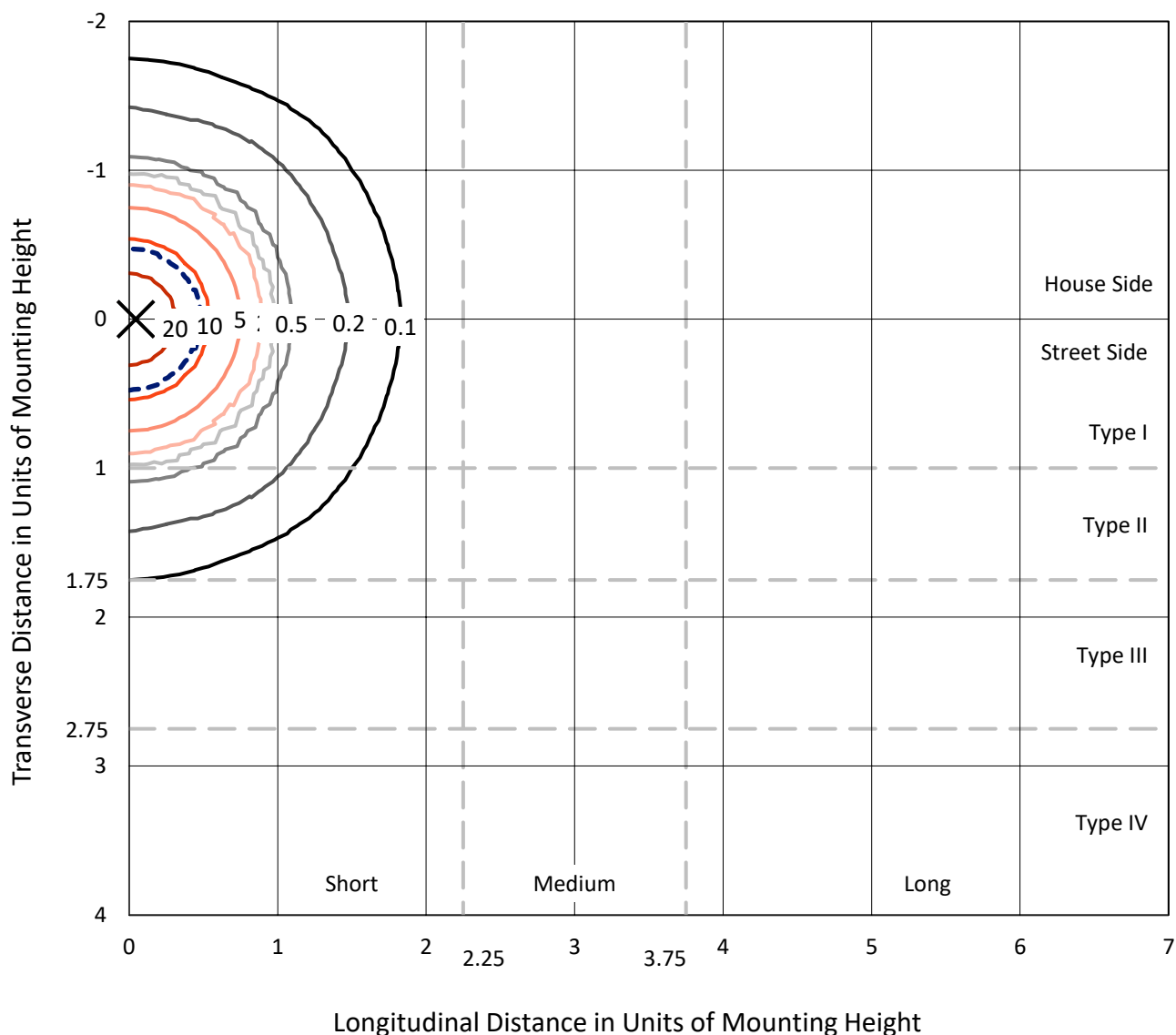
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

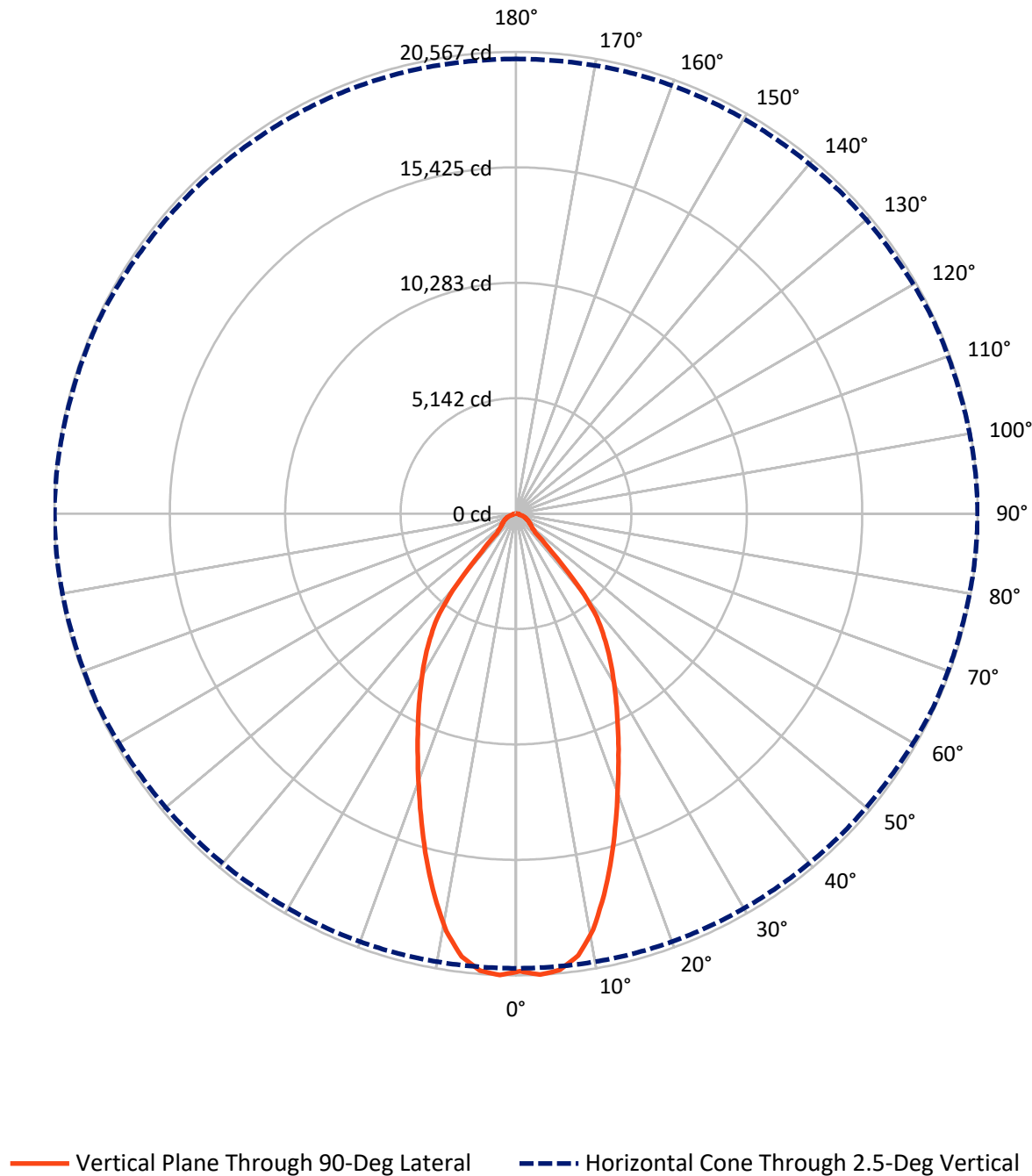


Based on 25 foot mounting height. Maximum calculated value = 32.6 fc

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	8903.4	0.0	8903.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8903.4	0.0	8903.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	17806.8	0.0	17806.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1879.0	10.6
10°-20°	4337.6	24.4
20°-30°	4762.3	26.7
30°-40°	4129.2	23.2
40°-50°	1358.7	7.6
50°-60°	609.2	3.4
60°-70°	430.6	2.4
70°-80°	233.8	1.3
80°-90°	66.3	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°	17806.8	100.0
0°-180°	17806.8	100.0

Coefficient of Utilization



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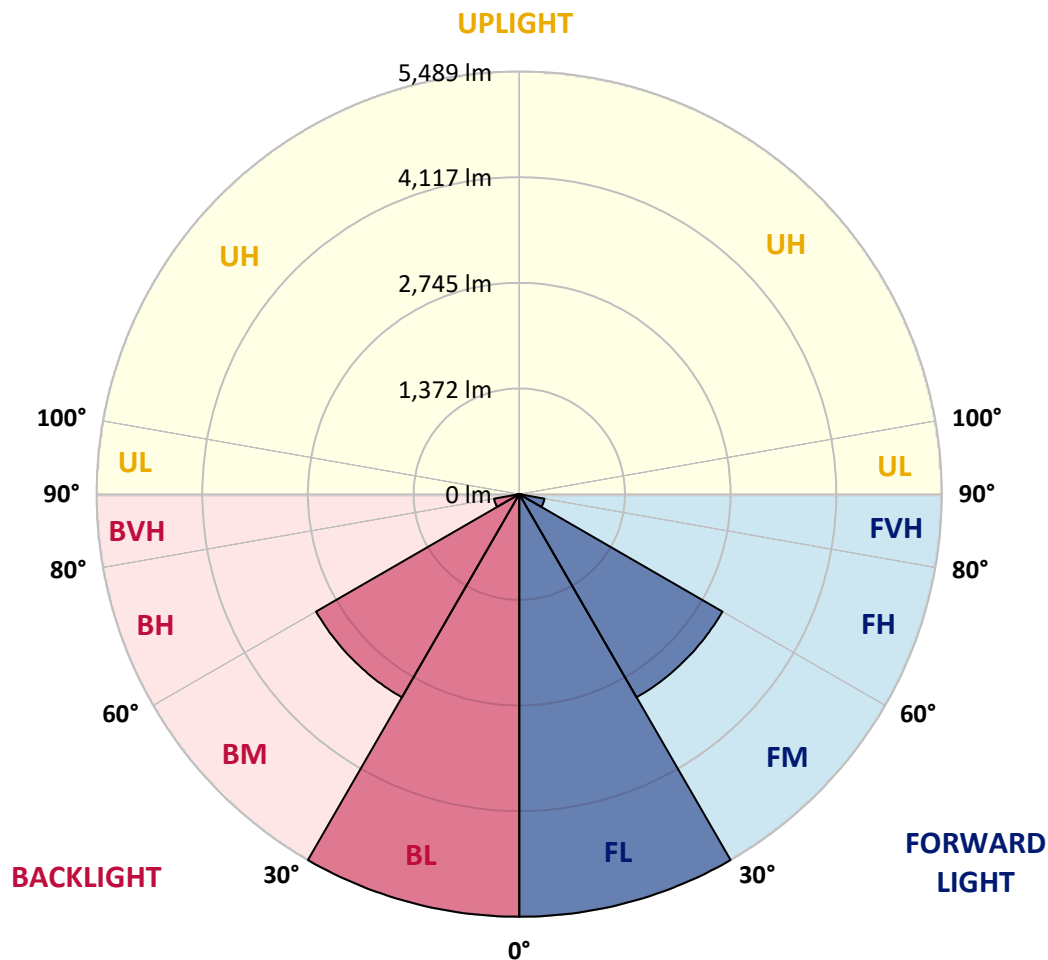
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5489.5	30.8			
FM	(30°-60°)	3048.6	17.1			
FH	(60°-80°)	332.2	1.9			G0/660
FVH	(80°-90°)	33.2	0.2			G1/100
BL	(0°-30°)	5489.5	30.8	B5		
BM	(30°-60°)	3048.6	17.1	B3/5000		
BH	(60°-80°)	332.2	1.9	B1/500		G0/660
BVH	(80°-90°)	33.2	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°	20383.1	20383.1	20383.1	20383.1	20383.1	20383.1	20383.1	20383.1	20383.1	20383.1
2.5°	20256.3	20253.6	20286.0	20302.2	20310.3	20348.1	20385.8	20485.7	20488.4	20547.7
5°	20229.3	20205.1	20226.7	20194.3	20202.4	20202.4	20250.9	20323.8	20350.8	20410.1
7.5°	19627.7	19622.3	19608.8	19573.7	19616.9	19587.2	19676.3	19741.0	19803.1	19832.7
10°	18505.3	18454.1	18454.1	18405.5	18448.7	18408.2	18553.9	18613.3	18718.5	18780.5
12.5°	17053.8	17032.3	17035.0	17013.4	17010.7	16954.0	17124.0	17175.3	17269.7	17361.4
15°	15505.2	15472.8	15502.5	15502.5	15478.2	15427.0	15607.7	15677.9	15815.5	15858.6
17.5°	13975.5	13962.0	13980.9	13989.0	13970.1	13921.5	14096.9	14250.7	14345.1	14345.1
20°	12572.5	12567.1	12591.4	12567.1	12548.2	12515.9	12677.7	12826.1	12909.8	12915.2
22.5°	11339.6	11369.2	11347.6	11318.0	11277.5	11253.2	11401.6	11539.2	11595.9	11652.5
25°	10257.7	10265.8	10281.9	10236.1	10187.5	10157.8	10268.5	10384.5	10473.5	10505.9
27.5°	9367.3	9397.0	9356.5	9286.4	9259.4	9224.3	9302.6	9386.2	9451.0	9496.8
30°	8501.3	8517.5	8525.6	8452.7	8388.0	8336.7	8401.5	8474.3	8498.6	8539.1
32.5°	7670.3	7697.3	7724.3	7635.2	7589.4	7540.8	7573.2	7619.1	7632.5	7635.2
35°	6842.0	6823.2	6798.9	6766.5	6731.4	6672.1	6704.4	6720.6	6731.4	6731.4
37.5°	5841.1	5857.3	5862.7	5800.6	5784.4	5744.0	5765.6	5768.3	5789.8	5803.3
40°	4419.3	4475.9	4438.2	4400.4	4405.8	4357.2	4349.1	4338.3	4386.9	4405.8
42.5°	2403.9	2501.0	2401.2	2433.6	2409.3	2382.3	2374.2	2387.7	2325.6	2274.4
45°	1208.7	1203.3	1224.9	1224.9	1246.5	1254.6	1235.7	1219.5	1211.4	1189.8
47.5°	974.0	957.8	955.1	968.6	984.8	995.5	979.4	971.3	968.6	982.1
50°	836.4	812.1	804.0	822.9	836.4	847.2	833.7	833.7	831.0	852.6
52.5°	728.5	704.2	704.2	741.9	752.7	763.5	755.4	755.4	755.4	779.7
55°	644.8	625.9	604.3	652.9	688.0	698.8	693.4	690.7	693.4	720.4
57.5°	580.1	569.3	555.8	566.6	620.5	634.0	631.3	631.3	636.7	658.3
60°	518.0	512.6	507.2	507.2	550.4	574.7	572.0	572.0	577.4	590.9
62.5°	461.4	456.0	450.6	456.0	472.1	509.9	509.9	512.6	520.7	526.1
65°	404.7	402.0	402.0	404.7	410.1	439.8	450.6	458.7	466.7	469.4
67.5°	350.7	348.0	350.7	356.1	356.1	369.6	393.9	402.0	410.1	410.1
70°	283.3	296.8	304.9	307.6	313.0	315.7	337.2	353.4	361.5	350.7
72.5°	153.8	175.4	264.4	272.5	275.2	277.9	294.1	313.0	318.4	207.7
75°	110.6	110.6	221.2	234.7	237.4	237.4	250.9	269.8	275.2	159.2
77.5°	72.8	70.1	153.8	170.0	194.3	156.5	205.0	226.6	232.0	132.2
80°	56.7	54.0	118.7	132.2	134.9	107.9	167.3	183.5	186.2	107.9
82.5°	43.2	40.5	86.3	97.1	105.2	70.1	118.7	140.3	145.7	94.4
85°	24.3	24.3	43.2	40.5	62.1	45.9	67.4	70.1	94.4	59.4
87.5°	8.1	10.8	18.9	18.9	21.6	18.9	27.0	27.0	29.7	21.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

20383.1
20566.6
20420.9
19881.3
18848.0
17423.5
15918.0
14380.2
12944.8
11684.9
10527.5
9510.3
8547.2
7667.6
6763.8
5860.0
4430.1
2298.7
1208.7
992.9
879.5
806.7
736.5
674.5
601.6
534.2
474.8
410.1
310.3
178.1
156.5
129.5
97.1
97.1
56.7
16.2
0.0