

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: P524091

Luminaire Tested: **IFLD-L-SA7A-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524091
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

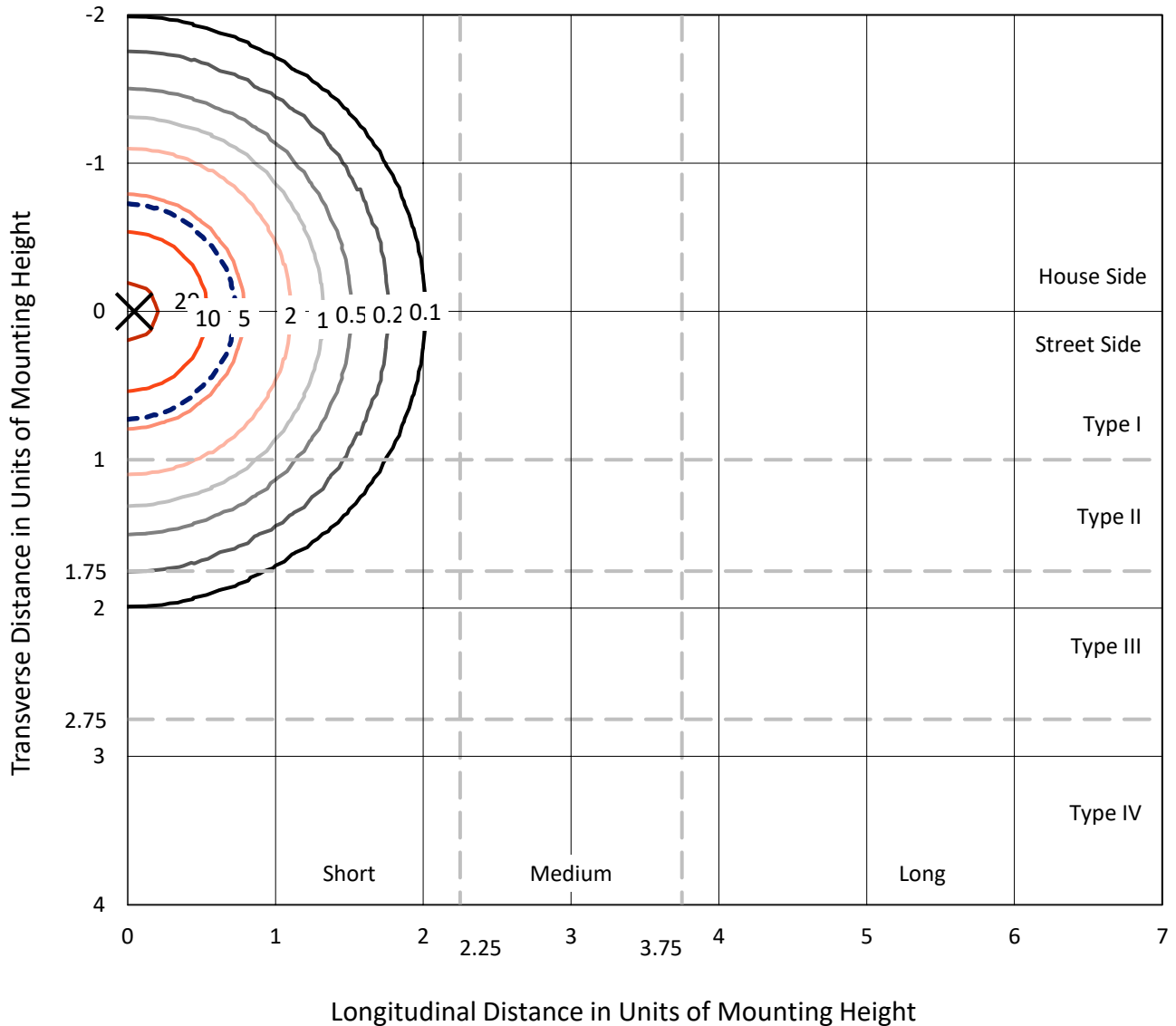
Lumens per Lamp: N/A
Luminaire Lumens: 20559.8 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 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

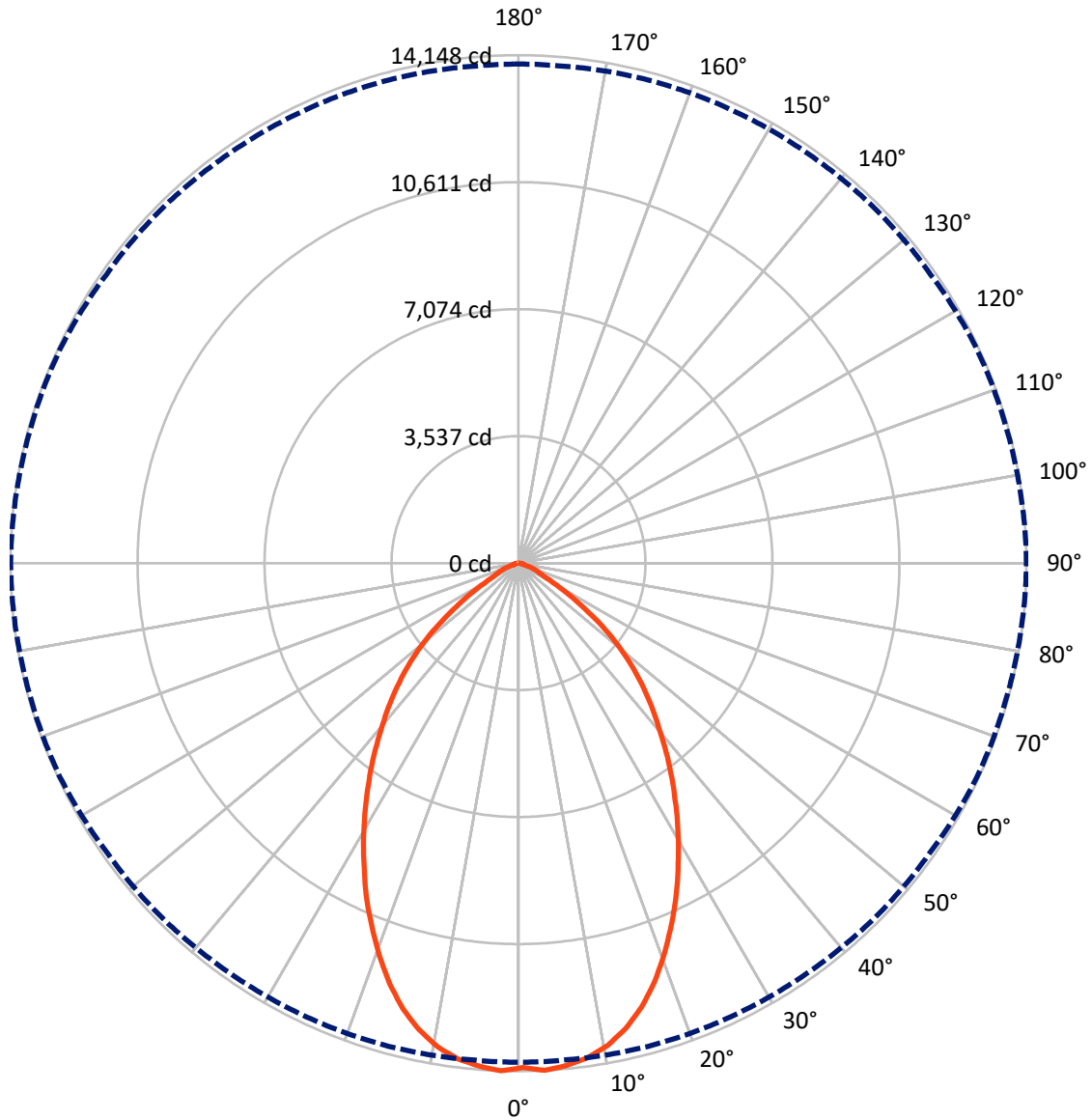
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10279.9	0.0	10279.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10279.9	0.0	10279.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	20559.8	0.0	20559.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1319.3	6.4
10°-20°	3544.9	17.2
20°-30°	4586.4	22.3
30°-40°	4523.3	22.0
40°-50°	3659.5	17.8
50°-60°	1992.5	9.7
60°-70°	631.3	3.1
70°-80°	244.3	1.2
80°-90°	58.4	0.3
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°	20559.8	100.0
0°-180°	20559.8	100.0

Coefficient of Utilization



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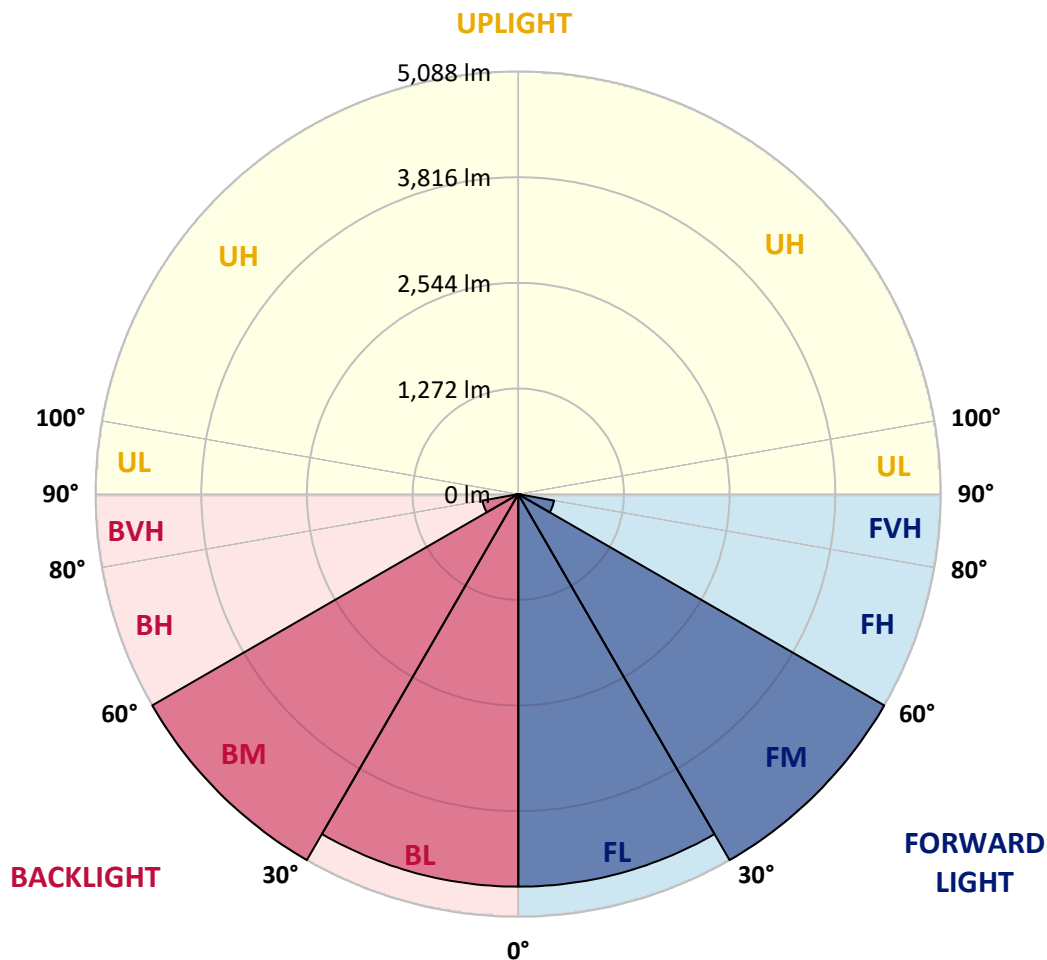
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4725.3	23.0			
FM (30°-60°)	5087.7	24.7			
FH (60°-80°)	437.8	2.1			G0/660
FVH (80°-90°)	29.2	0.1			G1/100
BL (0°-30°)	4725.3	23.0	B4/5000		
BM (30°-60°)	5087.7	24.7	B4/8500		
BH (60°-80°)	437.8	2.1	B1/500		G0/660
BVH (80°-90°)	29.2	0.1			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°	90°
0°	14053.2	14053.2	14053.2	14053.2	14053.2	14053.2	14053.2	14053.2	14053.2	14053.2	14053.2
2.5°	13901.7	13898.7	13934.4	13949.2	13967.0	14002.7	14014.6	14091.8	14100.7	14130.4	14148.2
5°	13877.9	13866.1	13901.7	13907.6	13928.4	13934.4	13952.2	14005.7	13999.7	14044.3	14053.2
7.5°	13750.2	13735.4	13765.1	13771.0	13800.7	13791.8	13821.5	13860.1	13860.1	13892.8	13907.6
10°	13465.0	13462.1	13491.8	13494.7	13536.3	13527.4	13574.9	13583.9	13607.6	13631.4	13658.1
12.5°	13123.4	13084.8	13123.4	13108.6	13165.0	13132.4	13197.7	13218.5	13230.4	13272.0	13292.8
15°	12683.8	12636.3	12663.0	12648.2	12683.8	12642.2	12710.5	12752.1	12767.0	12808.6	12829.4
17.5°	12095.7	12057.1	12063.0	12042.2	12066.0	12033.3	12098.6	12164.0	12184.8	12229.3	12259.0
20°	11356.0	11356.0	11359.0	11341.2	11362.0	11329.3	11370.9	11471.9	11492.7	11552.1	11602.6
22.5°	10634.2	10634.2	10643.1	10619.4	10625.3	10610.4	10655.0	10753.0	10785.7	10848.1	10910.5
25°	9942.1	9930.2	9936.2	9915.4	9891.6	9897.5	9951.0	10013.4	10084.7	10164.9	10212.4
27.5°	9282.7	9297.5	9261.9	9247.0	9229.2	9196.5	9258.9	9336.1	9386.6	9452.0	9475.7
30°	8578.7	8608.4	8581.6	8569.7	8525.2	8483.6	8549.0	8626.2	8676.7	8739.1	8765.8
32.5°	7951.9	7943.0	7919.2	7892.5	7847.9	7815.2	7842.0	7931.1	7969.7	8035.1	8044.0
35°	7280.6	7274.6	7259.8	7206.3	7191.5	7152.8	7176.6	7253.8	7283.5	7322.2	7351.9
37.5°	6624.1	6603.3	6597.4	6576.6	6549.8	6540.9	6540.9	6582.5	6612.2	6650.8	6680.5
40°	5973.6	5979.5	5961.7	5943.9	5935.0	5923.1	5926.0	5949.8	5973.6	5991.4	6009.2
42.5°	5385.4	5352.7	5340.9	5323.0	5332.0	5346.8	5314.1	5349.8	5379.5	5379.5	5418.1
45°	4711.1	4726.0	4731.9	4761.6	4761.6	4746.8	4734.9	4752.7	4782.4	4779.5	4818.1
47.5°	4123.0	4105.2	4120.0	4164.6	4203.2	4209.1	4173.5	4182.4	4191.3	4176.5	4212.1
50°	3478.4	3484.3	3481.4	3549.7	3626.9	3600.2	3573.4	3582.4	3579.4	3579.4	3585.3
52.5°	2777.4	2792.2	2774.4	2872.4	2955.6	2934.8	2917.0	2917.0	2931.8	2928.9	2925.9
55°	2138.7	2132.8	2094.2	2141.7	2216.0	2218.9	2192.2	2204.1	2218.9	2233.8	2230.8
57.5°	1592.2	1574.3	1520.9	1523.8	1607.0	1627.8	1604.0	1601.1	1618.9	1624.8	1657.5
60°	1072.3	1069.4	1021.8	1018.9	1051.5	1108.0	1081.2	1081.2	1087.2	1096.1	1105.0
62.5°	733.7	739.6	721.8	718.8	724.8	772.3	769.3	766.4	763.4	775.3	772.3
65°	576.3	579.2	573.3	573.3	576.3	597.1	617.9	620.8	623.8	626.8	623.8
67.5°	463.4	466.4	460.4	466.4	466.4	469.3	499.0	510.9	513.9	513.9	510.9
70°	356.5	368.3	374.3	374.3	374.3	374.3	395.1	409.9	407.0	389.1	371.3
72.5°	178.2	216.8	300.0	303.0	300.0	297.0	308.9	323.8	320.8	225.8	169.3
75°	118.8	127.7	234.7	246.5	243.6	231.7	243.6	261.4	255.5	145.6	139.6
77.5°	68.3	74.3	157.4	181.2	196.0	169.3	193.1	210.9	202.0	118.8	115.8
80°	53.5	50.5	112.9	139.6	133.7	106.9	157.4	169.3	154.5	89.1	80.2
82.5°	32.7	32.7	74.3	106.9	98.0	62.4	109.9	130.7	115.8	65.3	59.4
85°	17.8	20.8	35.6	53.5	56.4	41.6	59.4	71.3	71.3	41.6	41.6
87.5°	8.9	8.9	11.9	11.9	14.9	17.8	17.8	20.8	14.9	11.9	11.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)