

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: P524128

Luminaire Tested: **IFLD-M-SA4D-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524128
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

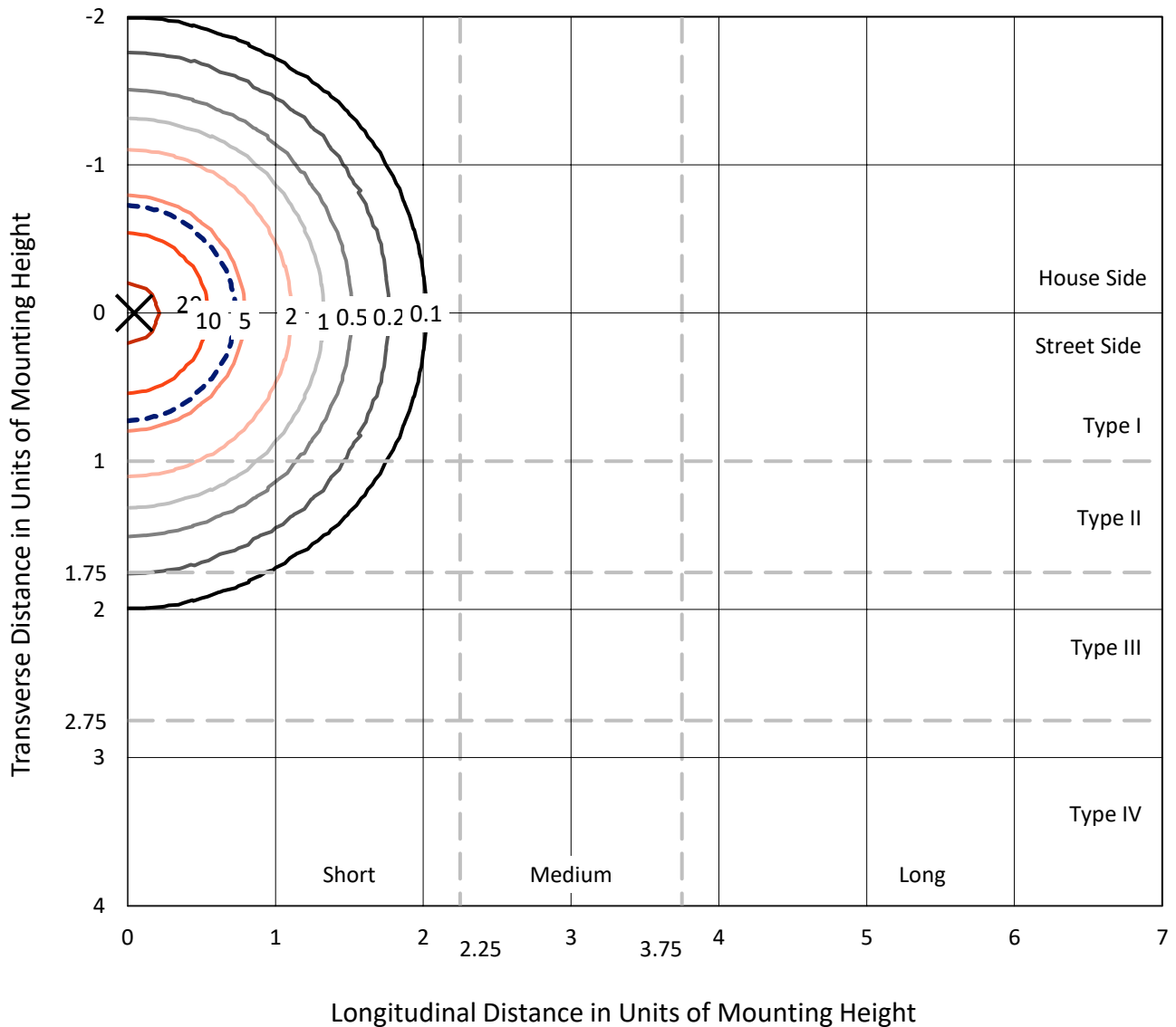
Lumens per Lamp: N/A
Luminaire Lumens: 20774.1 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 249.7
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

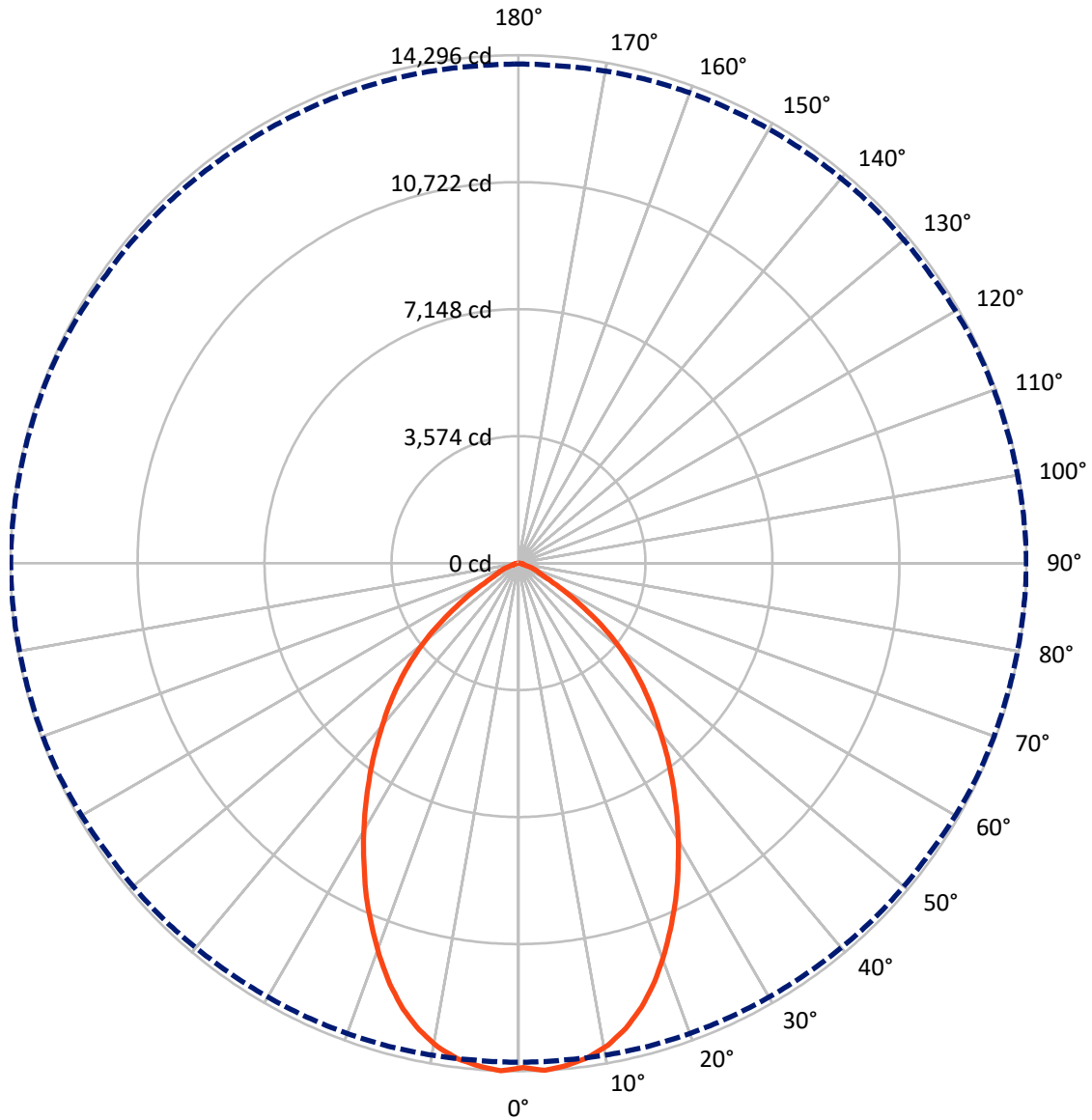
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.7 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	10387.0	0.0	10387.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10387.0	0.0	10387.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20774.1	0.0	20774.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1333.0	6.4
10°-20°	3581.8	17.2
20°-30°	4634.2	22.3
30°-40°	4570.4	22.0
40°-50°	3697.7	17.8
50°-60°	2013.3	9.7
60°-70°	637.9	3.1
70°-80°	246.8	1.2
80°-90°	59.0	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°	20774.1	100.0
0°-180°	20774.1	100.0

Coefficient of Utilization



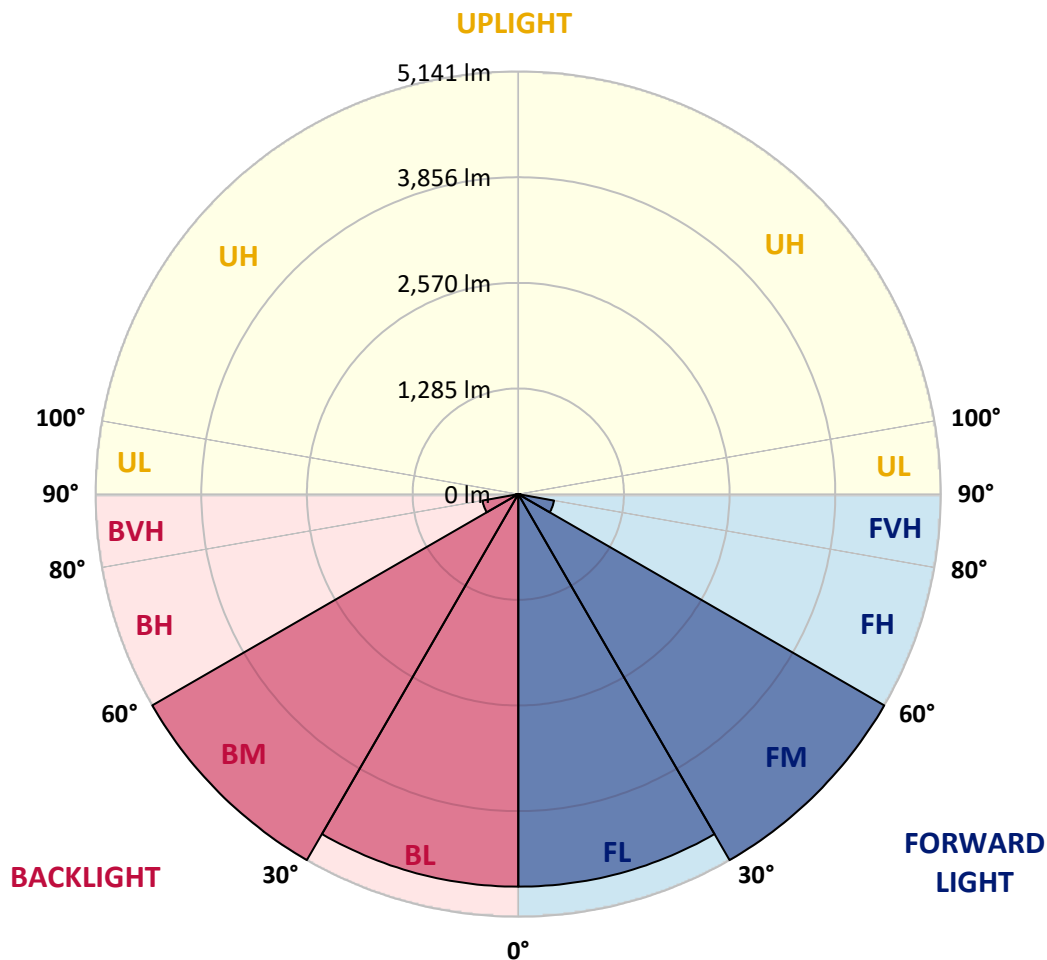
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4774.5	23.0			
FM (30°-60°)	5140.7	24.7			
FH (60°-80°)	442.4	2.1			G0/660
FVH (80°-90°)	29.5	0.1			G1/100
BL (0°-30°)	4774.5	23.0	B4/5000		
BM (30°-60°)	5140.7	24.7	B4/8500		
BH (60°-80°)	442.4	2.1	B1/500		G0/660
BVH (80°-90°)	29.5	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°	14199.6	14199.6	14199.6	14199.6	14199.6	14199.6	14199.6	14199.6	14199.6	14199.6	14199.6
2.5°	14046.6	14043.6	14079.6	14094.6	14112.6	14148.6	14160.6	14238.7	14247.7	14277.7	14295.7
5°	14022.6	14010.6	14046.6	14052.6	14073.6	14079.6	14097.6	14151.6	14145.6	14190.6	14199.6
7.5°	13893.5	13878.5	13908.5	13914.5	13944.5	13935.5	13965.5	14004.6	14004.6	14037.6	14052.6
10°	13605.4	13602.4	13632.4	13635.4	13677.4	13668.4	13716.4	13725.4	13749.4	13773.5	13800.5
12.5°	13260.2	13221.2	13260.2	13245.2	13302.2	13269.2	13335.2	13356.3	13368.3	13410.3	13431.3
15°	12816.0	12768.0	12795.0	12780.0	12816.0	12774.0	12843.0	12885.0	12900.0	12942.1	12963.1
17.5°	12221.7	12182.7	12188.7	12167.7	12191.7	12158.7	12224.7	12290.8	12311.8	12356.8	12386.8
20°	11474.4	11474.4	11477.4	11459.4	11480.4	11447.4	11489.4	11591.4	11612.4	11672.5	11723.5
22.5°	10745.0	10745.0	10754.0	10730.0	10736.0	10721.0	10766.0	10865.1	10898.1	10961.1	11024.2
25°	10045.7	10033.7	10039.7	10018.7	9994.7	10000.7	10054.7	10117.7	10189.8	10270.8	10318.8
27.5°	9379.4	9394.4	9358.4	9343.4	9325.4	9292.4	9355.4	9433.4	9484.4	9550.5	9574.5
30°	8668.1	8698.1	8671.1	8659.1	8614.0	8572.0	8638.0	8716.1	8767.1	8830.1	8857.1
32.5°	8034.8	8025.8	8001.7	7974.7	7929.7	7896.7	7923.7	8013.8	8052.8	8118.8	8127.8
35°	7356.4	7350.4	7335.4	7281.4	7266.4	7227.4	7251.4	7329.4	7359.4	7398.5	7428.5
37.5°	6693.1	6672.1	6666.1	6645.1	6618.1	6609.1	6609.1	6651.1	6681.1	6720.1	6750.2
40°	6035.8	6041.8	6023.8	6005.8	5996.8	5984.8	5987.8	6011.8	6035.8	6053.8	6071.8
42.5°	5441.5	5408.5	5396.5	5378.5	5387.5	5402.5	5369.5	5405.5	5435.5	5435.5	5474.6
45°	4760.2	4775.2	4781.2	4811.3	4811.3	4796.2	4784.2	4802.2	4832.3	4829.3	4868.3
47.5°	4166.0	4147.9	4162.9	4208.0	4247.0	4253.0	4217.0	4226.0	4235.0	4220.0	4256.0
50°	3514.6	3520.6	3517.6	3586.7	3664.7	3637.7	3610.7	3619.7	3616.7	3616.7	3622.7
52.5°	2806.3	2821.3	2803.3	2902.4	2986.4	2965.4	2947.4	2947.4	2962.4	2959.4	2956.4
55°	2161.0	2155.0	2116.0	2164.0	2239.0	2242.0	2215.0	2227.0	2242.0	2257.1	2254.1
57.5°	1608.8	1590.7	1536.7	1539.7	1623.8	1644.8	1620.8	1617.8	1635.8	1641.8	1674.8
60°	1083.5	1080.5	1032.5	1029.5	1062.5	1119.5	1092.5	1092.5	1098.5	1107.5	1116.5
62.5°	741.3	747.3	729.3	726.3	732.3	780.4	777.4	774.4	771.4	783.4	780.4
65°	582.3	585.3	579.3	579.3	582.3	603.3	624.3	627.3	630.3	633.3	630.3
67.5°	468.2	471.2	465.2	471.2	471.2	474.2	504.2	516.2	519.2	519.2	516.2
70°	360.2	372.2	378.2	378.2	378.2	378.2	399.2	414.2	411.2	393.2	375.2
72.5°	180.1	219.1	303.1	306.1	303.1	300.1	312.1	327.2	324.2	228.1	171.1
75°	120.1	129.1	237.1	249.1	246.1	234.1	246.1	264.1	258.1	147.1	141.1
77.5°	69.0	75.0	159.1	183.1	198.1	171.1	195.1	213.1	204.1	120.1	117.1
80°	54.0	51.0	114.1	141.1	135.1	108.1	159.1	171.1	156.1	90.0	81.0
82.5°	33.0	33.0	75.0	108.1	99.0	63.0	111.1	132.1	117.1	66.0	60.0
85°	18.0	21.0	36.0	54.0	57.0	42.0	60.0	72.0	72.0	42.0	42.0
87.5°	9.0	9.0	12.0	12.0	15.0	18.0	18.0	21.0	15.0	12.0	12.0
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)