

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: P524064

Luminaire Tested: **IFLD-S-SA2D-927-U-66**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524064
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (32) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

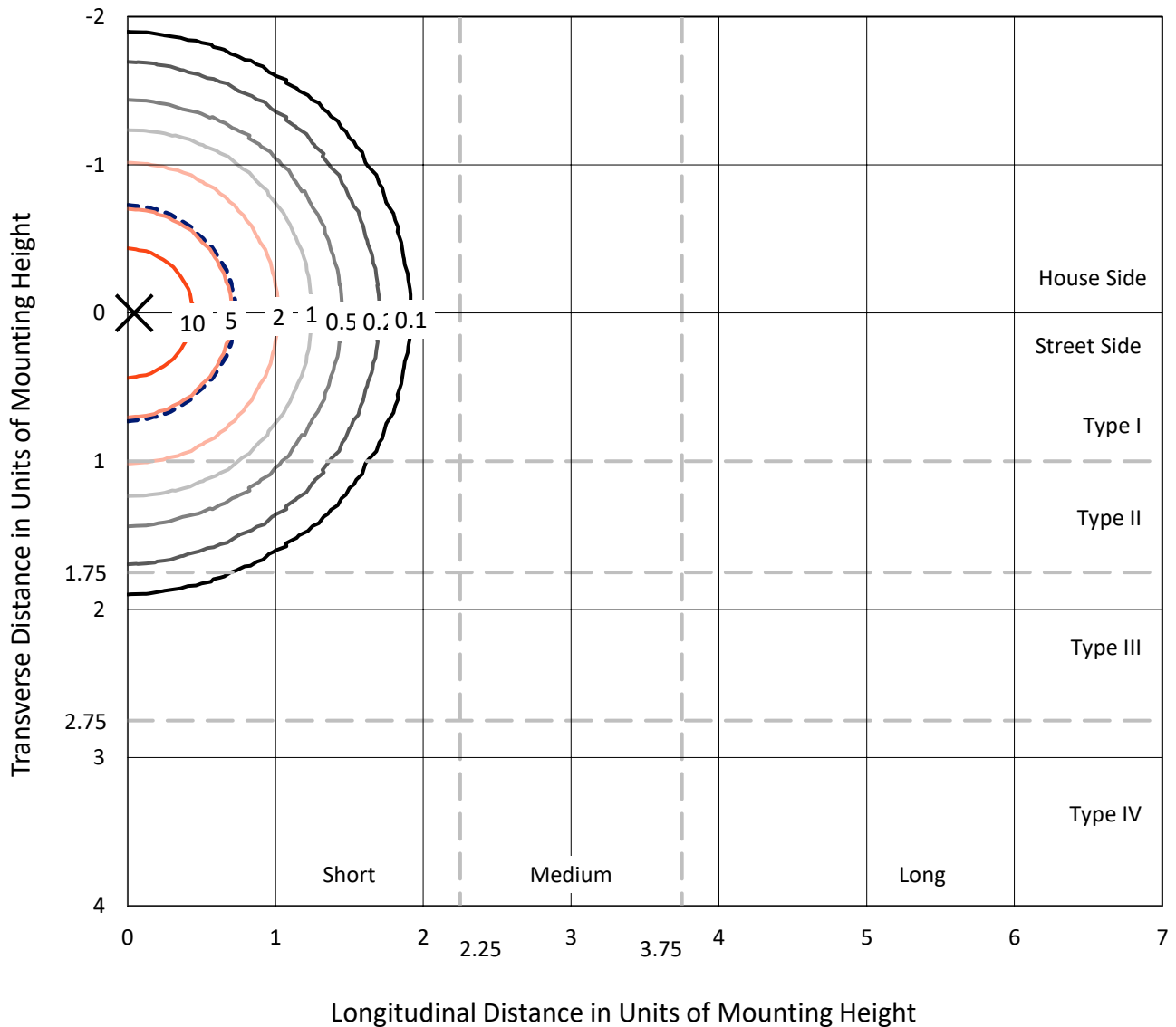
Lumens per Lamp: N/A
Luminaire Lumens: 10272.9 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 123.9
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

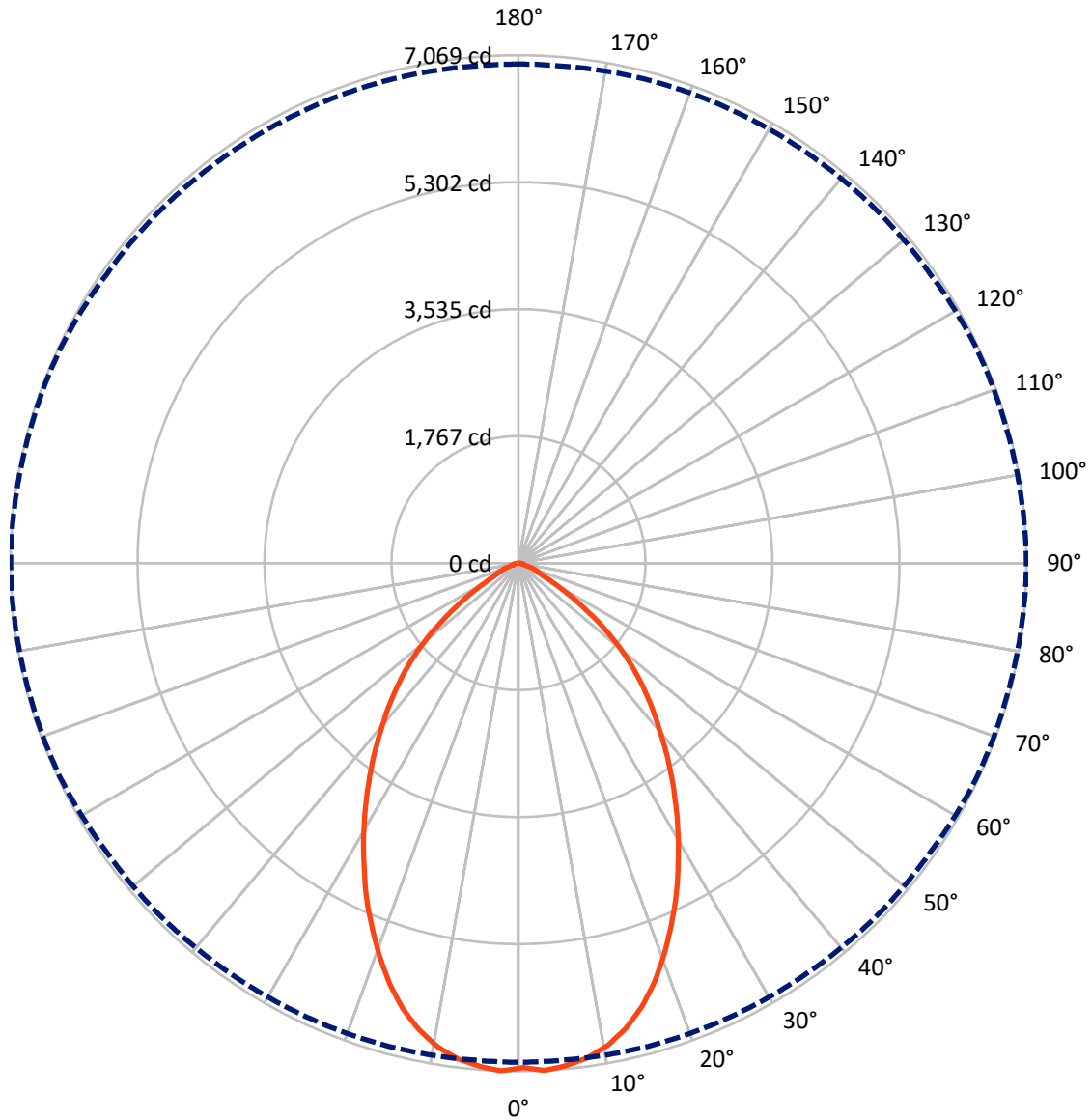
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 17.6 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	5136.4	0.0	5136.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5136.4	0.0	5136.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	10272.9	0.0	10272.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	659.2	6.4
10°-20°	1771.2	17.2
20°-30°	2291.6	22.3
30°-40°	2260.1	22.0
40°-50°	1828.5	17.8
50°-60°	995.6	9.7
60°-70°	315.4	3.1
70°-80°	122.0	1.2
80°-90°	29.2	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°	10272.9	100.0
0°-180°	10272.9	100.0

Coefficient of Utilization



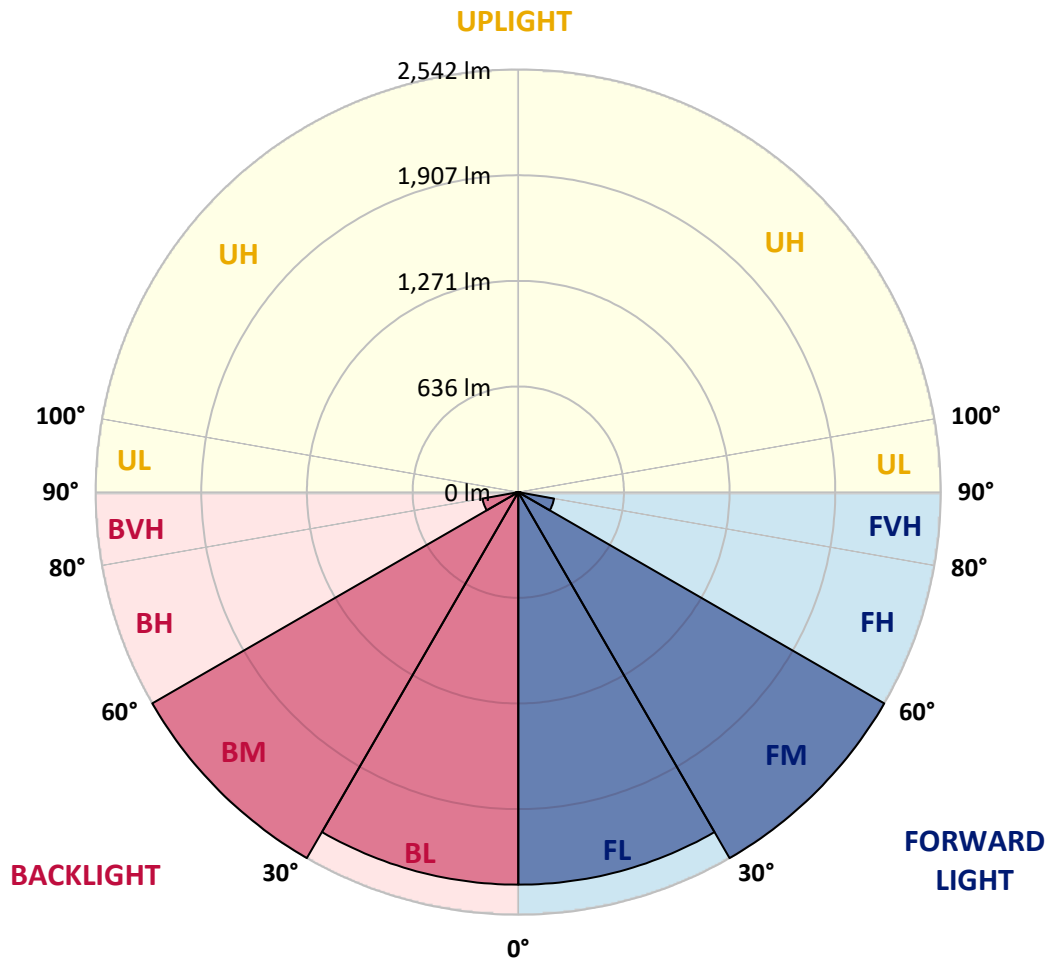
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2361.0	23.0			
FM (30°-60°)	2542.1	24.7			
FH (60°-80°)	218.7	2.1			G0/660
FVH (80°-90°)	14.6	0.1			G1/100
BL (0°-30°)	2361.0	23.0	B3/2500		
BM (30°-60°)	2542.1	24.7	B3/5000		
BH (60°-80°)	218.7	2.1	B1/500		G0/660
BVH (80°-90°)	14.6	0.1			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°	90°
0°	7021.8	7021.8	7021.8	7021.8	7021.8	7021.8	7021.8	7021.8	7021.8	7021.8	7021.8
2.5°	6946.1	6944.6	6962.4	6969.8	6978.7	6996.5	7002.5	7041.1	7045.5	7060.4	7069.3
5°	6934.2	6928.3	6946.1	6949.0	6959.4	6962.4	6971.3	6998.0	6995.1	7017.3	7021.8
7.5°	6870.4	6863.0	6877.8	6880.8	6895.6	6891.2	6906.0	6925.3	6925.3	6941.6	6949.0
10°	6727.9	6726.4	6741.3	6742.7	6763.5	6759.1	6782.8	6787.3	6799.1	6811.0	6824.4
12.5°	6557.2	6537.9	6557.2	6549.8	6578.0	6561.7	6594.3	6604.7	6610.7	6631.4	6641.8
15°	6337.6	6313.8	6327.2	6319.7	6337.6	6316.8	6350.9	6371.7	6379.1	6399.9	6410.3
17.5°	6043.7	6024.4	6027.4	6017.0	6028.8	6012.5	6045.2	6077.8	6088.2	6110.5	6125.3
20°	5674.1	5674.1	5675.6	5666.7	5677.1	5660.8	5681.5	5732.0	5742.4	5772.1	5797.3
22.5°	5313.5	5313.5	5317.9	5306.0	5309.0	5301.6	5323.8	5372.8	5389.1	5420.3	5451.5
25°	4967.6	4961.7	4964.7	4954.3	4942.4	4945.4	4972.1	5003.3	5038.9	5079.0	5102.7
27.5°	4638.1	4645.6	4627.8	4620.3	4611.4	4595.1	4626.3	4664.9	4690.1	4722.7	4734.6
30°	4286.4	4301.2	4287.9	4281.9	4259.7	4238.9	4271.5	4310.1	4335.4	4366.5	4379.9
32.5°	3973.2	3968.8	3956.9	3943.5	3921.3	3904.9	3918.3	3962.8	3982.1	4014.8	4019.2
35°	3637.8	3634.8	3627.4	3600.7	3593.3	3574.0	3585.8	3624.4	3639.3	3658.6	3673.4
37.5°	3309.8	3299.4	3296.4	3286.0	3272.7	3268.2	3268.2	3289.0	3303.8	3323.1	3338.0
40°	2984.7	2987.7	2978.8	2969.9	2965.4	2959.5	2961.0	2972.9	2984.7	2993.6	3002.5
42.5°	2690.9	2674.5	2668.6	2659.7	2664.1	2671.6	2655.2	2673.1	2687.9	2687.9	2707.2
45°	2353.9	2361.4	2364.3	2379.2	2379.2	2371.8	2365.8	2374.7	2389.6	2388.1	2407.4
47.5°	2060.1	2051.2	2058.6	2080.9	2100.2	2103.1	2085.3	2089.8	2094.2	2086.8	2104.6
50°	1738.0	1741.0	1739.5	1773.6	1812.2	1798.9	1785.5	1790.0	1788.5	1788.5	1791.4
52.5°	1387.7	1395.2	1386.2	1435.2	1476.8	1466.4	1457.5	1457.5	1464.9	1463.4	1461.9
55°	1068.6	1065.7	1046.4	1070.1	1107.2	1108.7	1095.3	1101.3	1108.7	1116.1	1114.6
57.5°	795.5	786.6	759.9	761.4	803.0	813.3	801.5	800.0	808.9	811.9	828.2
60°	535.8	534.3	510.6	509.1	525.4	553.6	540.3	540.3	543.2	547.7	552.1
62.5°	366.6	369.6	360.7	359.2	362.1	385.9	384.4	382.9	381.4	387.4	385.9
65°	287.9	289.4	286.5	286.5	287.9	298.3	308.7	310.2	311.7	313.2	311.7
67.5°	231.5	233.0	230.1	233.0	233.0	234.5	249.3	255.3	256.8	256.8	255.3
70°	178.1	184.0	187.0	187.0	187.0	187.0	197.4	204.8	203.3	194.4	185.5
72.5°	89.1	108.3	149.9	151.4	149.9	148.4	154.4	161.8	160.3	112.8	84.6
75°	59.4	63.8	117.3	123.2	121.7	115.8	121.7	130.6	127.6	72.7	69.8
77.5°	34.1	37.1	78.7	90.5	98.0	84.6	96.5	105.4	100.9	59.4	57.9
80°	26.7	25.2	56.4	69.8	66.8	53.4	78.7	84.6	77.2	44.5	40.1
82.5°	16.3	16.3	37.1	53.4	49.0	31.2	54.9	65.3	57.9	32.7	29.7
85°	8.9	10.4	17.8	26.7	28.2	20.8	29.7	35.6	35.6	20.8	20.8
87.5°	4.5	4.5	5.9	5.9	7.4	8.9	8.9	10.4	7.4	5.9	5.9
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)