

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: P636146

Luminaire Tested: **IFLD-M-SA4D-927-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636146
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-927-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18953.7 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

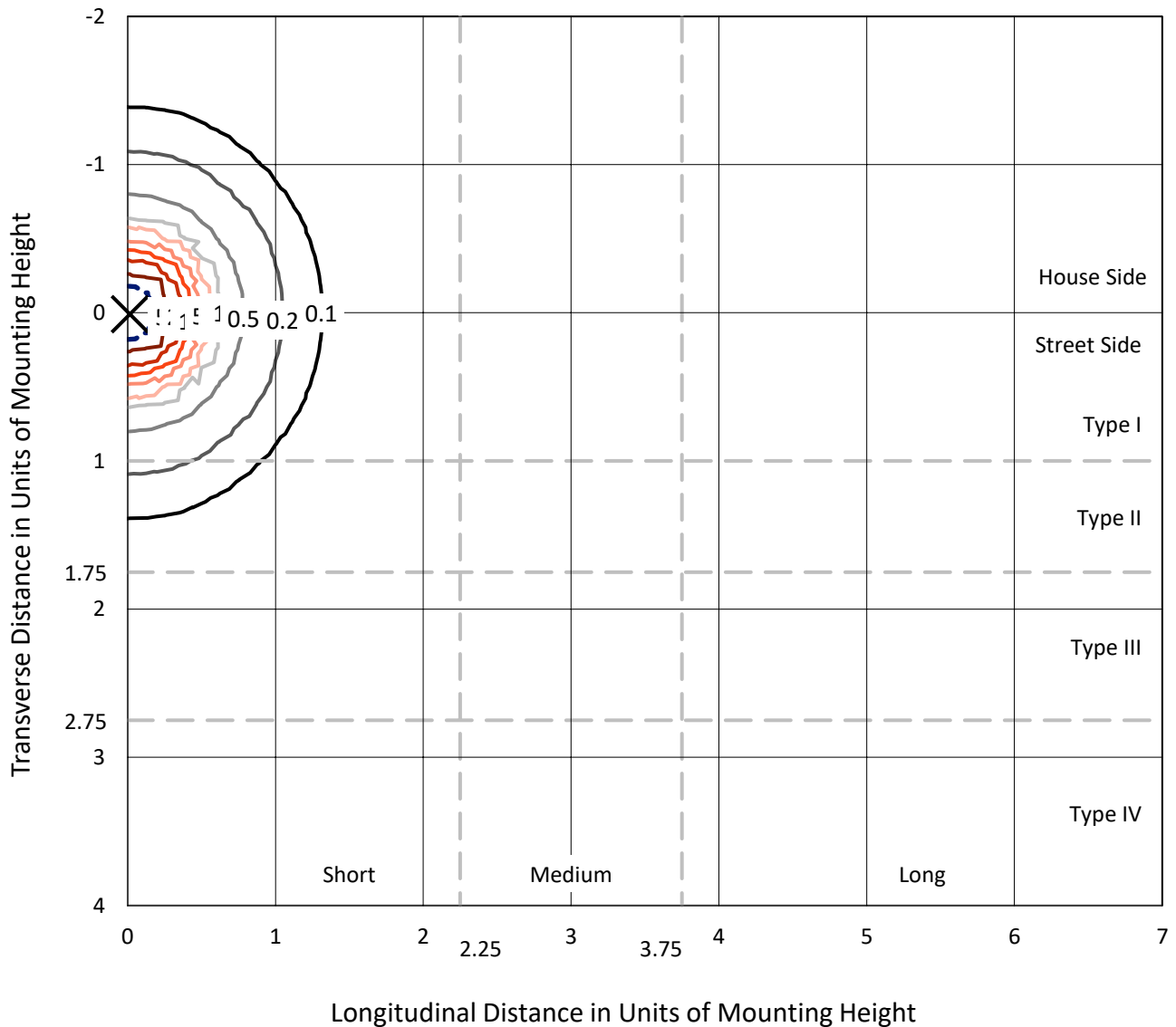
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

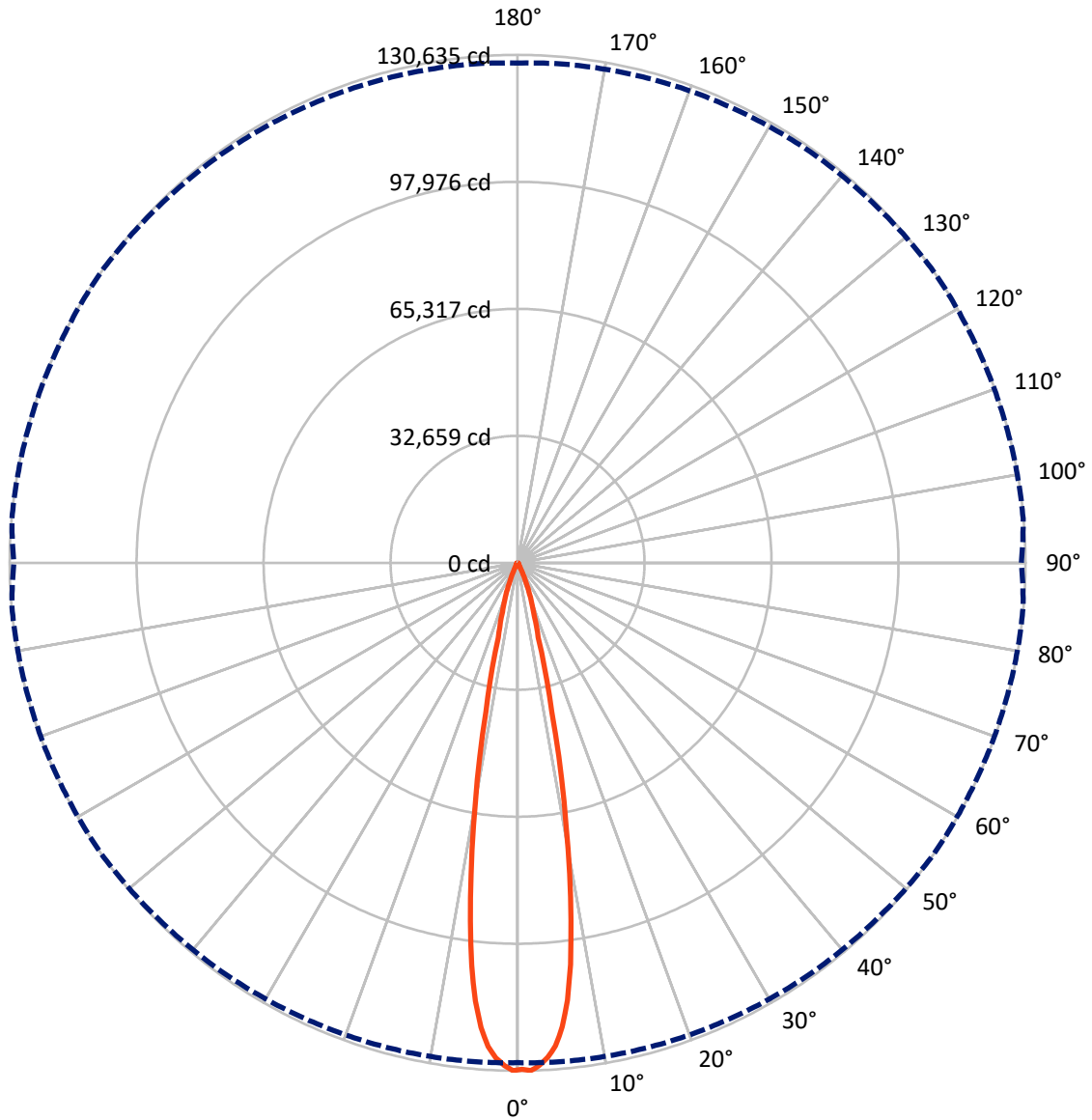
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 325.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9476.8	0.0	9476.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9476.8	0.0	9476.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	18953.7	0.0	18953.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9629.9	50.8
10°-20°	6824.8	36.0
20°-30°	1599.2	8.4
30°-40°	334.2	1.8
40°-50°	215.6	1.1
50°-60°	159.7	0.8
60°-70°	108.6	0.6
70°-80°	57.9	0.3
80°-90°	23.7	0.1
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°	18953.7	100.0
0°-180°	18953.7	100.0

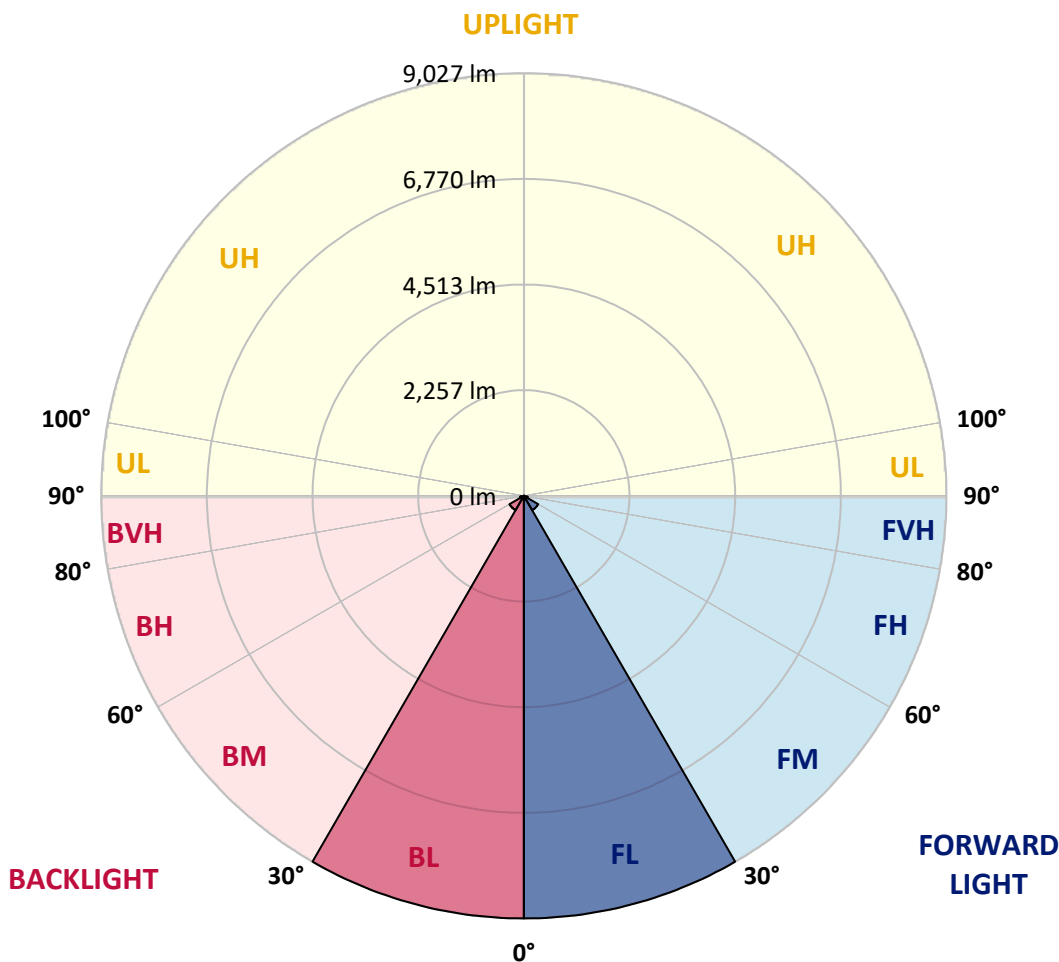


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9026.9	47.6			
FM (30°-60°)	354.8	1.9			
FH (60°-80°)	83.3	0.4			G0/660
FVH (80°-90°)	11.9	0.1			G1/100
BL (0°-30°)	9026.9	47.6	B5		
BM (30°-60°)	354.8	1.9	B1/1000		
BH (60°-80°)	83.3	0.4	B0/110		G0/660
BVH (80°-90°)	11.9	0.1			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°	130299.3	130299.3	130299.3	130299.3	130299.3	130299.3	130299.3	130299.3	130299.3	130299.3
1°	128546.3	128784.2	129075.9	129340.7	129739.5	130064.7	130634.5	130513.8	130497.1	130520.5
2°	126055.8	126354.1	126803.3	127068.1	128097.1	128519.4	129380.9	129635.6	129431.2	129662.4
3°	122325.1	122569.8	123273.7	123793.2	125127.3	126266.9	127420.0	127802.1	127564.1	127671.4
4°	117883.8	118135.2	118986.6	120045.8	121973.1	123236.8	124617.8	124959.7	124182.0	124235.7
5°	112597.8	112715.1	113757.6	114722.9	117029.0	118560.9	119871.5	119978.7	119268.1	118996.6
6°	106651.5	106440.3	107399.0	107807.9	110673.8	112235.8	113194.4	113070.4	112530.8	112299.5
7°	99585.6	99297.4	100071.7	99850.4	102387.8	103279.5	104201.2	103778.9	103349.8	103882.8
8°	91410.3	91249.4	90750.0	91655.0	92157.8	92955.5	92952.2	92707.5	92694.1	93582.3
9°	79524.4	81009.3	80570.2	81518.8	81391.4	81354.5	81109.8	80952.3	80281.9	81304.2
10°	66472.0	67444.0	68184.8	69599.3	69324.5	69713.3	68352.4	68583.7	68137.9	68982.6
12.5°	34407.5	35500.2	36140.4	37219.8	38406.3	39619.7	39227.6	38822.0	38215.3	38959.4
15°	16937.3	17369.7	17574.1	18670.2	19514.9	19819.9	19866.8	19508.2	19354.0	19514.9
17.5°	10394.3	10545.2	11138.4	12398.8	13129.5	13310.5	13193.2	12801.0	12361.9	12177.5
20°	7525.1	7568.6	7793.2	8037.9	9013.3	9522.8	9335.1	8949.6	8544.1	8353.0
22.5°	4913.9	4957.5	5031.2	5165.3	5426.8	6056.9	5852.5	5591.0	5316.2	5259.2
25°	2782.1	2782.1	2859.2	2996.6	3191.0	3238.0	3278.2	3000.0	2872.6	2815.6
27.5°	1551.9	1562.0	1578.8	1632.4	1729.6	1719.5	1676.0	1602.2	1515.1	1424.6
30°	858.1	868.1	878.2	891.6	908.4	878.2	851.4	838.0	801.1	791.1
32.5°	643.6	643.6	650.3	646.9	630.2	593.3	576.5	596.6	593.3	576.5
35°	529.6	529.6	536.3	549.7	516.2	489.4	476.0	502.8	502.8	492.7
37.5°	432.4	435.8	439.1	455.9	445.8	415.6	412.3	419.0	422.3	419.0
40°	378.8	375.4	375.4	378.8	372.1	365.4	358.7	355.3	358.7	355.3
42.5°	328.5	325.1	331.8	325.1	311.7	315.1	315.1	305.0	308.4	301.7
45°	288.3	284.9	288.3	281.6	271.5	274.9	274.9	261.5	261.5	258.1
47.5°	254.7	254.7	254.7	258.1	241.3	238.0	241.3	238.0	227.9	224.6
50°	221.2	224.6	227.9	234.6	217.9	211.2	211.2	211.2	204.5	201.1
52.5°	204.5	207.8	207.8	207.8	197.8	191.1	191.1	187.7	184.4	181.0
55°	197.8	197.8	197.8	184.4	181.0	177.7	167.6	164.2	160.9	160.9
57.5°	187.7	187.7	184.4	174.3	164.2	164.2	150.8	147.5	144.1	144.1
60°	167.6	167.6	167.6	164.2	150.8	147.5	134.1	127.4	124.0	124.0
62.5°	154.2	154.2	154.2	140.8	137.4	127.4	117.3	107.3	103.9	97.2
65°	140.8	140.8	140.8	127.4	120.7	110.6	97.2	87.2	80.4	70.4
67.5°	130.7	130.7	127.4	117.3	107.3	93.9	80.4	70.4	57.0	50.3
70°	114.0	114.0	110.6	103.9	93.9	83.8	67.0	53.6	43.6	33.5
72.5°	97.2	97.2	93.9	87.2	80.4	70.4	57.0	46.9	30.2	23.5
75°	80.4	80.4	77.1	70.4	67.0	60.3	50.3	36.9	23.5	10.1
77.5°	67.0	67.0	63.7	60.3	57.0	50.3	43.6	30.2	16.8	6.7
80°	50.3	53.6	53.6	53.6	46.9	43.6	40.2	30.2	13.4	3.4
82.5°	36.9	40.2	40.2	40.2	36.9	33.5	36.9	26.8	13.4	3.4
85°	26.8	26.8	30.2	30.2	30.2	30.2	40.2	30.2	10.1	3.4
87.5°	13.4	13.4	13.4	13.4	13.4	16.8	20.1	16.8	6.7	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
130299.3
129585.3
128784.2
126866.9
123437.9
118430.1
111779.9
103718.6
91118.7
79397.0
66817.2
36944.9
18764.1
11919.4
8205.5
5141.9
2768.7
1427.9
791.1
566.5
489.4
419.0
358.7
305.0
258.1
224.6
197.8
177.7
157.5
144.1
120.7
90.5
70.4
46.9
33.5
20.1
10.1
3.4
3.4
3.4
3.4
0.0
0.0

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