

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: P635990

Luminaire Tested: **IFLD-S-SA3C-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635990
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-927-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12742.7 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

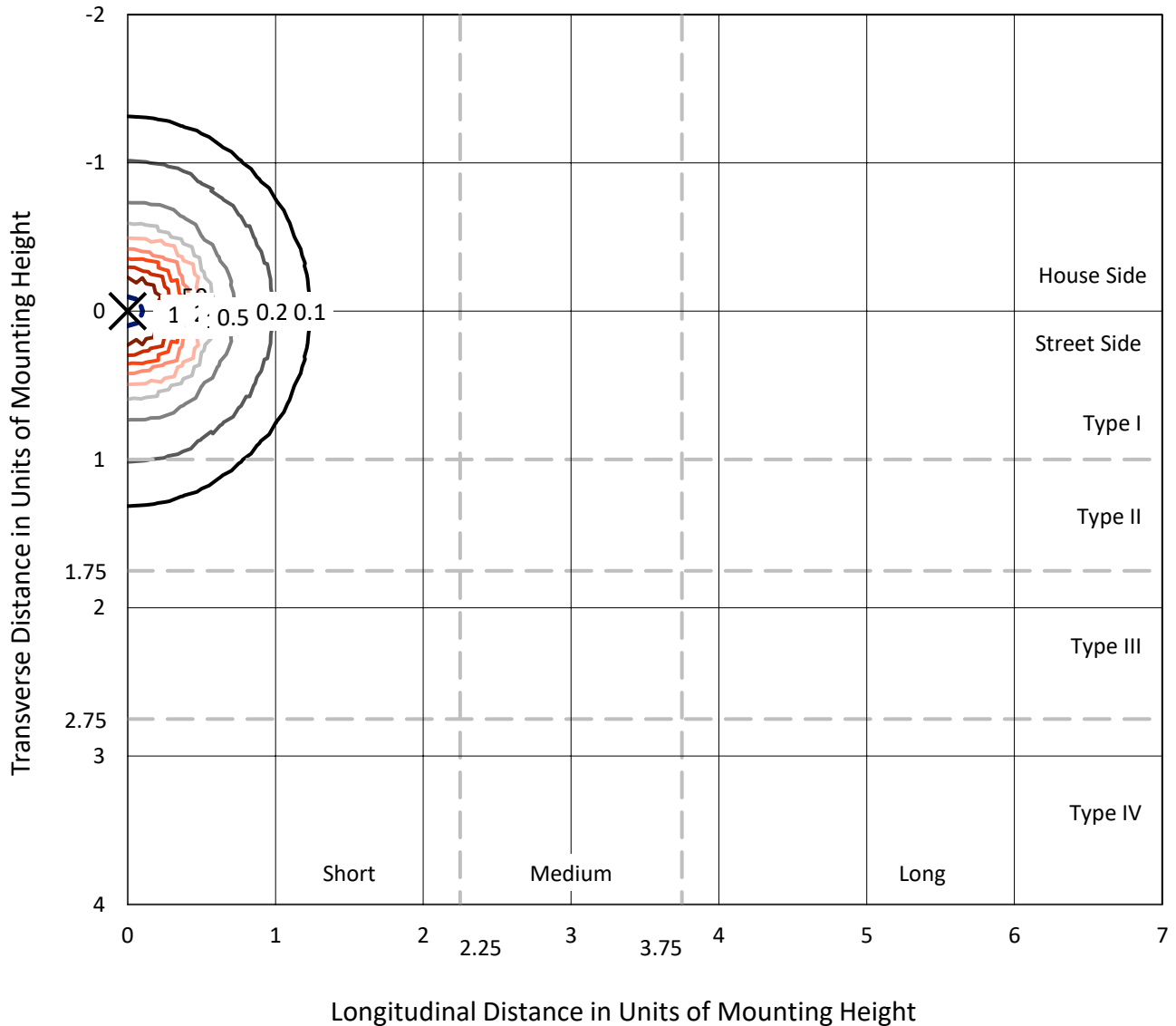
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

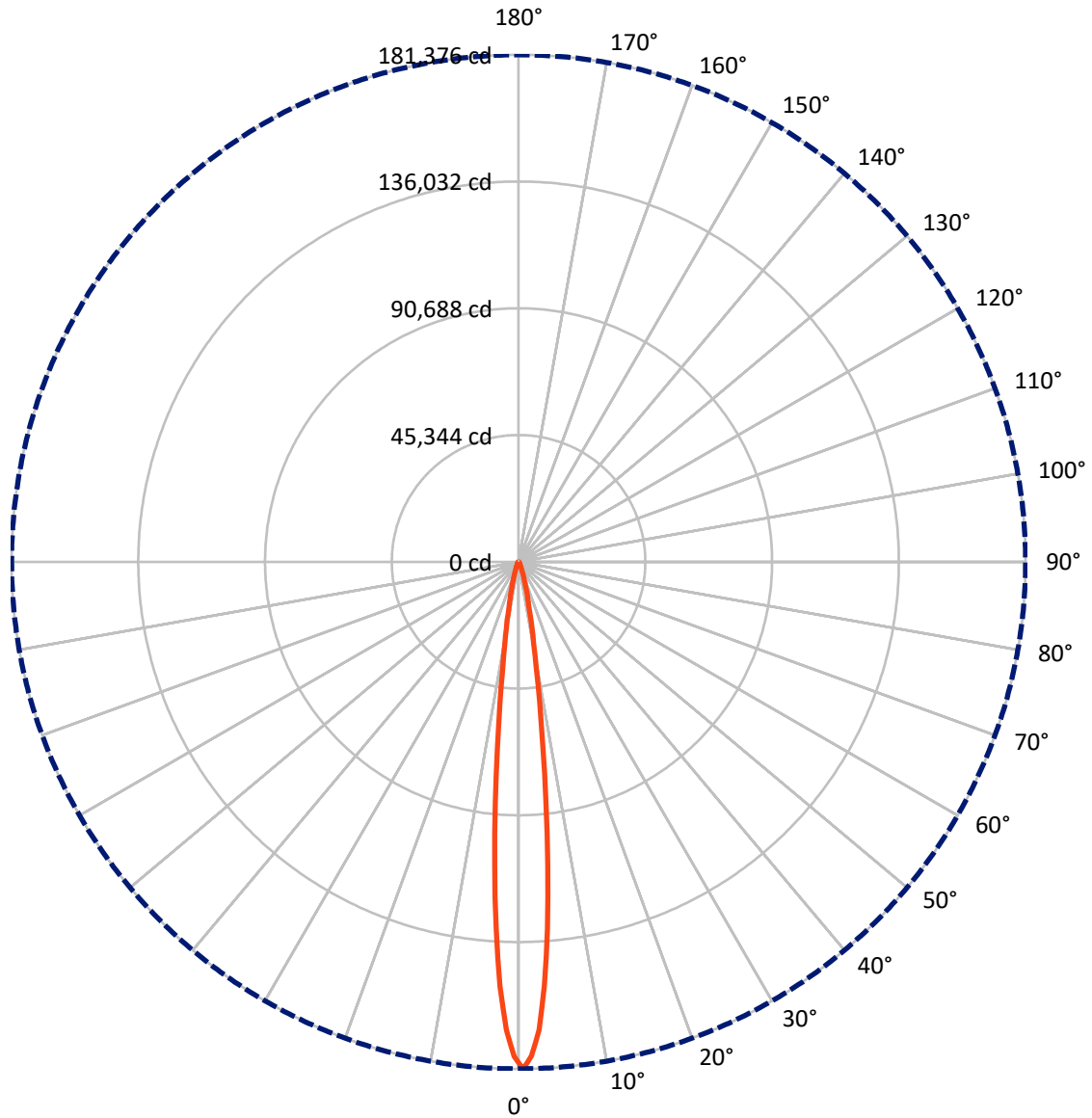
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 453.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6371.4	0.0	6371.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6371.4	0.0	6371.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	12742.7	0.0	12742.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7767.7	61.0
10°-20°	3480.0	27.3
20°-30°	777.2	6.1
30°-40°	253.7	2.0
40°-50°	174.9	1.4
50°-60°	132.2	1.0
60°-70°	90.4	0.7
70°-80°	47.6	0.4
80°-90°	19.0	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°	12742.7	100.0
0°-180°	12742.7	100.0

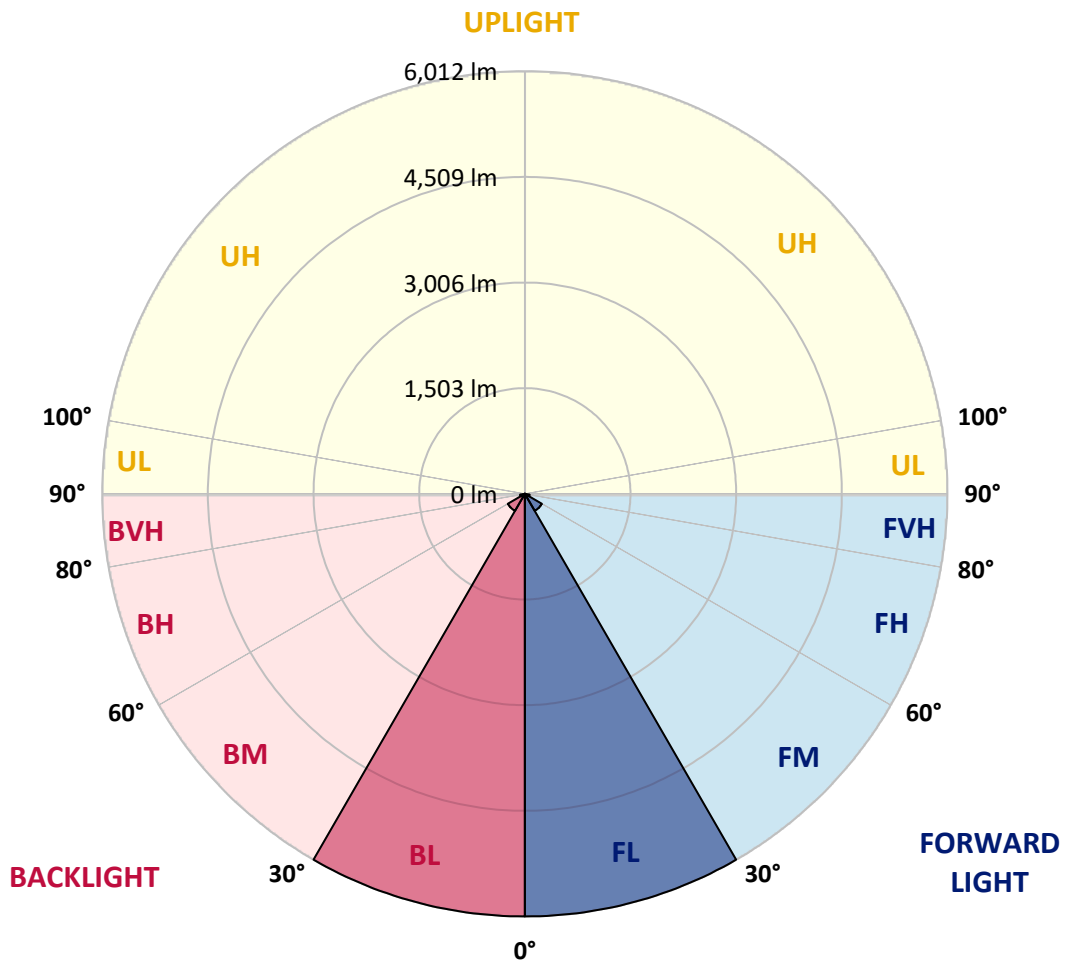


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6012.4	47.2			
FM (30°-60°)	280.4	2.2			
FH (60°-80°)	69.0	0.5			G0/660
FVH (80°-90°)	9.5	0.1			G0/10
BL (0°-30°)	6012.4	47.2	B5		
BM (30°-60°)	280.4	2.2	B1/1000		
BH (60°-80°)	69.0	0.5	B0/110		G0/660
BVH (80°-90°)	9.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	181376.1	181376.1	181376.1	181376.1	181376.1	181376.1	181376.1	181376.1	181376.1	181376.1
1°	176873.0	177113.6	176845.8	178198.5	178756.9	179047.4	179081.4	179844.1	179256.2	179419.6
2°	167551.2	168086.9	167190.3	168057.4	169791.4	170447.4	169378.4	170699.3	170227.2	170501.9
3°	151887.8	152543.8	151304.5	152364.5	154595.6	155095.0	153342.7	155219.8	155172.1	155567.1
4°	131698.6	132763.1	130992.7	132247.9	133235.2	134973.8	133276.1	135411.9	135371.0	136056.5
5°	108781.2	109931.9	108393.1	109695.9	110631.0	111277.9	110656.0	113018.8	113168.6	113876.7
6°	86356.3	87429.9	85711.7	86955.5	88437.6	88703.2	88542.0	90575.7	91027.4	90475.8
7°	66459.9	66727.7	66457.6	67587.9	68777.3	68820.4	69029.2	70817.7	71214.9	71024.3
8°	50898.6	49673.0	50726.1	51325.3	51693.0	53381.7	53506.5	54407.6	55138.5	55190.7
9°	38744.2	37609.4	38828.2	39066.5	39910.9	41411.2	41222.8	42207.8	42666.3	42636.8
10°	29538.2	28961.7	29572.3	29835.6	30530.1	31801.1	32021.3	32473.0	32813.4	33035.9
12.5°	16028.8	16162.7	16516.8	16793.7	17728.8	18067.0	18203.2	18241.8	18239.5	18275.8
15°	9957.3	10066.2	10313.6	10815.2	11384.9	11804.8	11863.9	11646.0	11457.6	11428.1
17.5°	6210.0	6166.8	6747.9	7297.2	7982.6	8200.5	7973.5	7723.9	7467.4	7319.9
20°	3726.9	3756.4	3953.9	4199.0	4752.8	5129.6	4893.5	4639.3	4373.8	4199.0
22.5°	2117.7	2149.4	2235.7	2362.8	2573.9	2916.6	2766.8	2510.3	2321.9	2244.8
25°	1250.6	1250.6	1302.8	1359.6	1448.1	1527.5	1495.7	1359.6	1248.3	1216.6
27.5°	810.3	803.5	821.6	848.9	889.7	894.3	858.0	817.1	760.4	739.9
30°	592.4	594.7	592.4	603.7	601.5	585.6	562.9	565.2	542.5	540.2
32.5°	481.2	483.5	483.5	481.2	469.8	444.9	429.0	444.9	440.3	435.8
35°	399.5	401.7	424.4	422.2	404.0	376.8	365.4	383.6	397.2	376.8
37.5°	345.0	347.3	365.4	374.5	351.8	333.6	320.0	335.9	356.3	333.6
40°	304.1	306.4	311.0	313.2	301.9	292.8	286.0	290.5	299.6	288.3
42.5°	267.8	265.6	267.8	265.6	251.9	256.5	251.9	245.1	251.9	242.9
45°	233.8	233.8	233.8	227.0	213.4	222.4	217.9	211.1	213.4	206.5
47.5°	213.4	213.4	213.4	204.3	192.9	192.9	195.2	183.8	186.1	183.8
50°	192.9	192.9	197.5	188.4	179.3	172.5	174.8	165.7	168.0	165.7
52.5°	177.0	177.0	177.0	172.5	165.7	161.2	156.6	152.1	149.8	147.5
55°	170.2	170.2	168.0	154.3	152.1	147.5	138.5	136.2	131.6	129.4
57.5°	158.9	158.9	156.6	145.3	136.2	136.2	122.6	120.3	113.5	113.5
60°	140.7	140.7	138.5	136.2	124.8	118.0	108.9	104.4	97.6	95.3
62.5°	133.9	133.9	129.4	118.0	115.8	104.4	95.3	86.2	81.7	77.2
65°	124.8	122.6	120.3	108.9	99.9	93.1	81.7	70.4	65.8	56.7
67.5°	111.2	111.2	108.9	99.9	90.8	79.4	68.1	59.0	47.7	40.9
70°	97.6	95.3	95.3	86.2	79.4	70.4	54.5	45.4	34.0	27.2
72.5°	81.7	81.7	79.4	72.6	68.1	61.3	47.7	36.3	22.7	18.2
75°	65.8	65.8	63.6	59.0	56.7	49.9	40.9	31.8	18.2	9.1
77.5°	54.5	52.2	52.2	47.7	45.4	40.9	34.0	25.0	13.6	6.8
80°	40.9	40.9	43.1	40.9	36.3	34.0	29.5	22.7	11.3	4.5
82.5°	29.5	29.5	31.8	31.8	31.8	29.5	29.5	22.7	11.3	2.3
85°	20.4	20.4	25.0	22.7	22.7	25.0	36.3	29.5	9.1	2.3
87.5°	11.3	11.3	11.3	9.1	9.1	11.3	13.6	11.3	4.5	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
181376.1
178218.9
169521.3
154507.1
134853.5
112524.0
90532.6
70763.3
54532.5
43331.4
33167.5
18305.3
11337.3
7297.2
4237.6
2253.8
1212.0
739.9
537.9
426.7
372.2
331.4
283.7
242.9
206.5
183.8
165.7
147.5
127.1
113.5
90.8
74.9
54.5
40.9
27.2
15.9
9.1
4.5
2.3
2.3
2.3
2.3
0.0

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