

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: P636193

Luminaire Tested: **IFLD-S-SA3C-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636193
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-935-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13459.6 lumens
Efficiency: N/A
Efficacy: 83.7 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

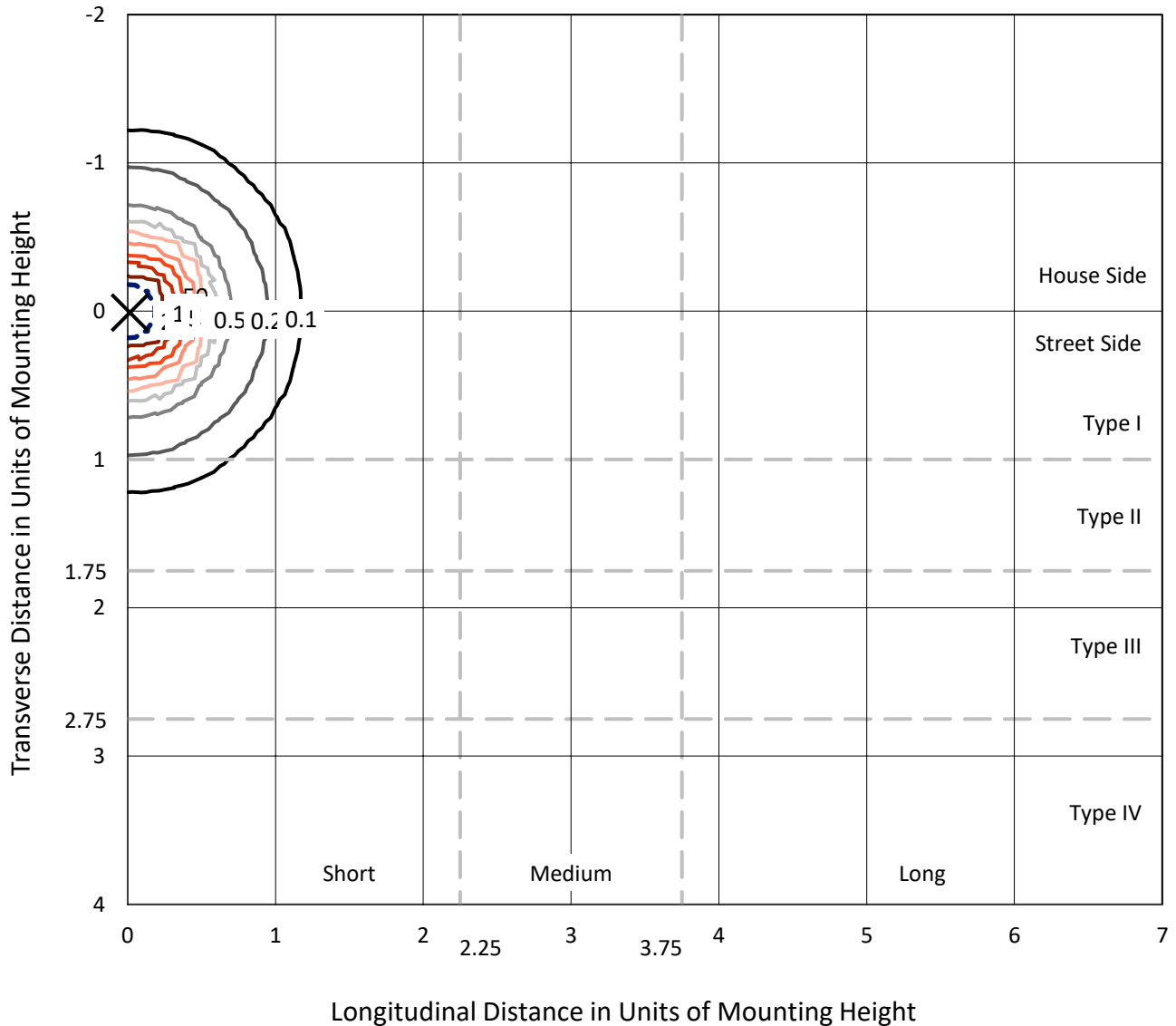
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

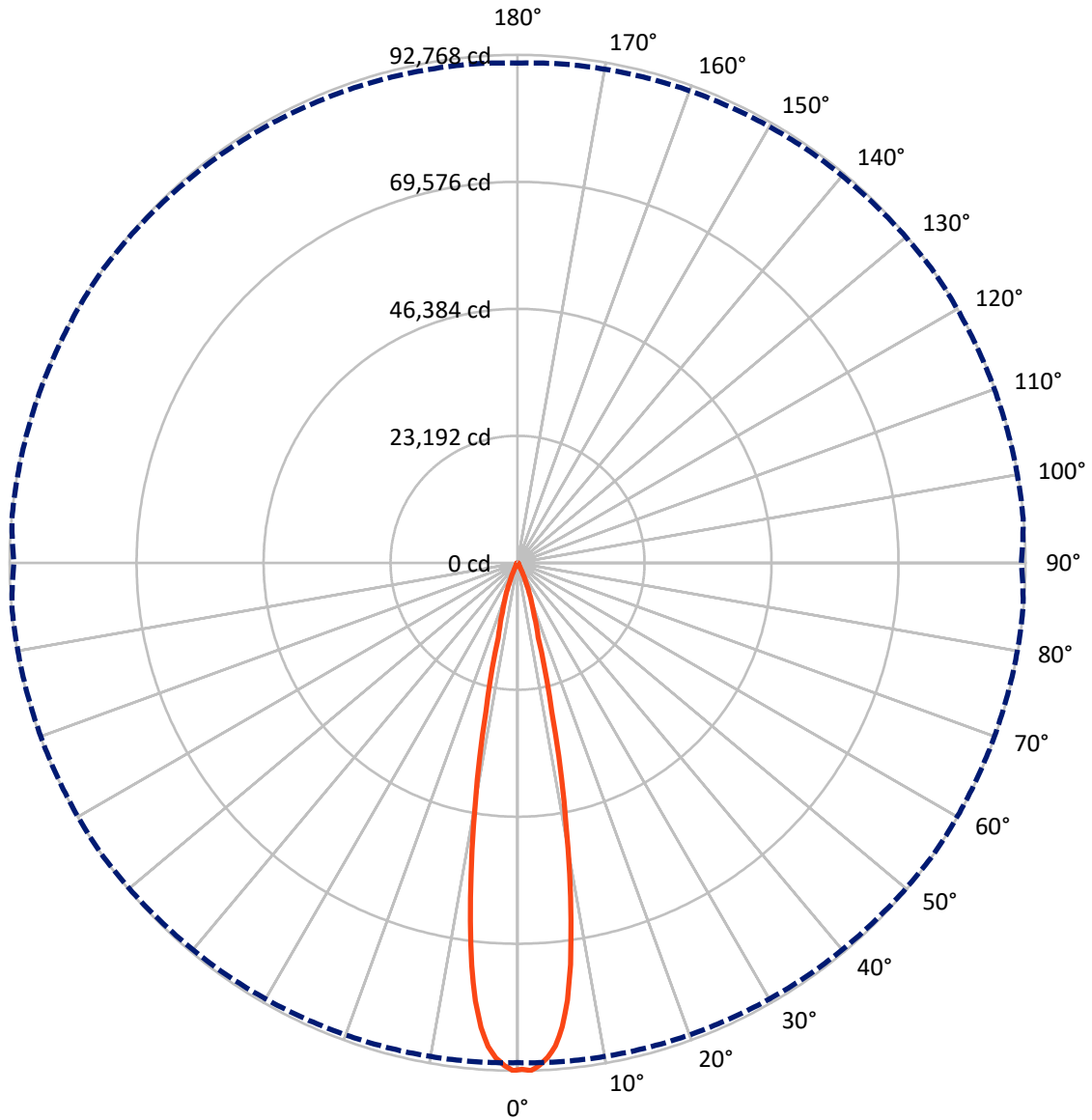
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 231.3 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	6729.8	0.0	6729.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6729.8	0.0	6729.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	13459.6	0.0	13459.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6838.5	50.8
10°-20°	4846.5	36.0
20°-30°	1135.6	8.4
30°-40°	237.4	1.8
40°-50°	153.1	1.1
50°-60°	113.4	0.8
60°-70°	77.1	0.6
70°-80°	41.1	0.3
80°-90°	16.9	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°	13459.6	100.0
0°-180°	13459.6	100.0

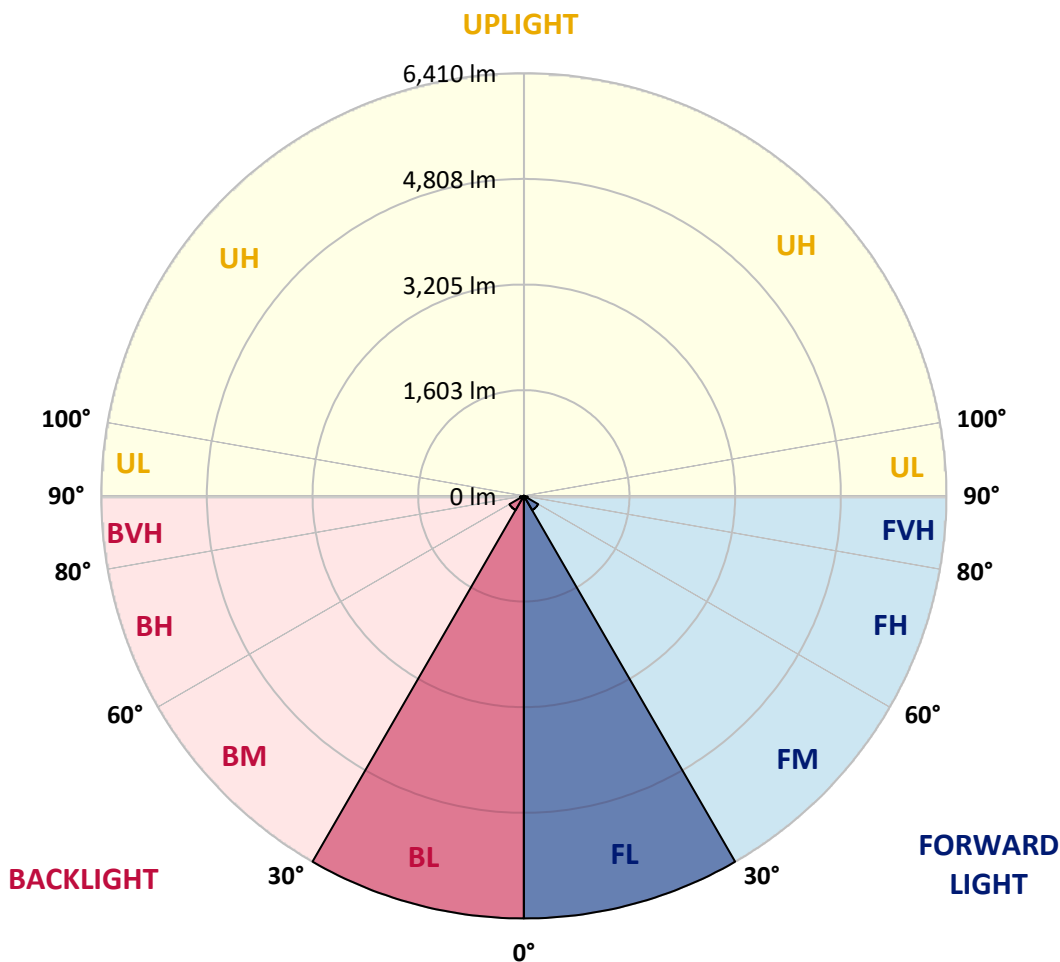


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6410.3	47.6			
FM (30°-60°)	251.9	1.9			
FH (60°-80°)	59.1	0.4			G0/660
FVH (80°-90°)	8.4	0.1			G0/10
BL (0°-30°)	6410.3	47.6	B5		
BM (30°-60°)	251.9	1.9	B1/1000		
BH (60°-80°)	59.1	0.4	B0/110		G0/660
BVH (80°-90°)	8.4	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°	92530.1	92530.1	92530.1	92530.1	92530.1	92530.1	92530.1	92530.1	92530.1	92530.1
1°	91285.2	91454.2	91661.3	91849.3	92132.6	92363.5	92768.2	92682.5	92670.6	92687.2
2°	89516.6	89728.5	90047.4	90235.5	90966.3	91266.2	91877.9	92058.8	91913.6	92077.9
3°	86867.3	87041.1	87541.0	87909.9	88857.3	89666.6	90485.4	90756.8	90587.8	90664.0
4°	83713.4	83891.9	84496.5	85248.7	86617.4	87514.8	88495.5	88738.3	88186.0	88224.1
5°	79959.7	80043.0	80783.2	81468.8	83106.4	84194.2	85124.9	85201.1	84696.5	84503.7
6°	75737.0	75587.0	76267.8	76558.2	78593.4	79702.6	80383.4	80295.3	79912.1	79747.8
7°	70719.3	70514.6	71064.4	70907.3	72709.2	73342.4	73997.0	73697.0	73392.4	73770.8
8°	64913.7	64799.4	64444.7	65087.4	65444.5	66011.0	66008.6	65834.8	65825.3	66456.1
9°	56473.1	57527.5	57215.7	57889.3	57798.9	57772.7	57598.9	57487.1	57011.0	57737.0
10°	47204.1	47894.4	48420.4	49424.9	49229.7	49505.9	48539.5	48703.7	48387.1	48987.0
12.5°	24434.0	25210.0	25664.6	26431.1	27273.7	28135.4	27856.9	27568.8	27138.0	27666.4
15°	12027.7	12334.8	12480.0	13258.4	13858.2	14074.8	14108.1	13853.5	13744.0	13858.2
17.5°	7381.4	7488.5	7909.8	8804.8	9323.7	9452.2	9368.9	9090.4	8778.6	8647.7
20°	5343.8	5374.8	5534.2	5708.0	6400.7	6762.5	6629.2	6355.5	6067.4	5931.8
22.5°	3489.5	3520.5	3572.9	3668.1	3853.7	4301.2	4156.0	3970.4	3775.2	3734.7
25°	1975.7	1975.7	2030.4	2128.0	2266.1	2299.4	2328.0	2130.4	2039.9	1999.5
27.5°	1102.1	1109.2	1121.1	1159.2	1228.2	1221.1	1190.2	1137.8	1075.9	1011.6
30°	609.4	616.5	623.6	633.2	645.1	623.6	604.6	595.1	568.9	561.8
32.5°	457.0	457.0	461.8	459.4	447.5	421.3	409.4	423.7	421.3	409.4
35°	376.1	376.1	380.9	390.4	366.6	347.5	338.0	357.0	357.0	349.9
37.5°	307.1	309.4	311.8	323.7	316.6	295.2	292.8	297.5	299.9	297.5
40°	269.0	266.6	266.6	269.0	264.2	259.5	254.7	252.3	254.7	252.3
42.5°	233.3	230.9	235.7	230.9	221.4	223.7	223.7	216.6	219.0	214.2
45°	204.7	202.3	204.7	199.9	192.8	195.2	195.2	185.7	185.7	183.3
47.5°	180.9	180.9	180.9	183.3	171.4	169.0	171.4	169.0	161.9	159.5
50°	157.1	159.5	161.9	166.6	154.7	150.0	150.0	150.0	145.2	142.8
52.5°	145.2	147.6	147.6	147.6	140.4	135.7	135.7	133.3	130.9	128.5
55°	140.4	140.4	140.4	130.9	128.5	126.2	119.0	116.6	114.3	114.3
57.5°	133.3	133.3	130.9	123.8	116.6	116.6	107.1	104.7	102.4	102.4
60°	119.0	119.0	119.0	116.6	107.1	104.7	95.2	90.5	88.1	88.1
62.5°	109.5	109.5	109.5	100.0	97.6	90.5	83.3	76.2	73.8	69.0
65°	100.0	100.0	100.0	90.5	85.7	78.6	69.0	61.9	57.1	50.0
67.5°	92.8	92.8	90.5	83.3	76.2	66.6	57.1	50.0	40.5	35.7
70°	80.9	80.9	78.6	73.8	66.6	59.5	47.6	38.1	30.9	23.8
72.5°	69.0	69.0	66.6	61.9	57.1	50.0	40.5	33.3	21.4	16.7
75°	57.1	57.1	54.7	50.0	47.6	42.8	35.7	26.2	16.7	7.1
77.5°	47.6	47.6	45.2	42.8	40.5	35.7	30.9	21.4	11.9	4.8
80°	35.7	38.1	38.1	38.1	33.3	30.9	28.6	21.4	9.5	2.4
82.5°	26.2	28.6	28.6	28.6	26.2	23.8	26.2	19.0	9.5	2.4
85°	19.0	19.0	21.4	21.4	21.4	21.4	28.6	21.4	7.1	2.4
87.5°	9.5	9.5	9.5	9.5	9.5	11.9	14.3	11.9	4.8	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°
92530.1
92023.1
91454.2
90092.7
87657.6
84101.4
79378.9
73654.2
64706.6
56382.6
47449.3
26235.9
13325.0
8464.4
5827.0
3651.4
1966.1
1014.0
561.8
402.3
347.5
297.5
254.7
216.6
183.3
159.5
140.4
126.2
111.9
102.4
85.7
64.3
50.0
33.3
23.8
14.3
7.1
2.4
2.4
2.4
2.4
0.0
0.0

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