

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: P636190

Luminaire Tested: **IFLD-S-SA2E-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636190
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-935-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11500.8 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

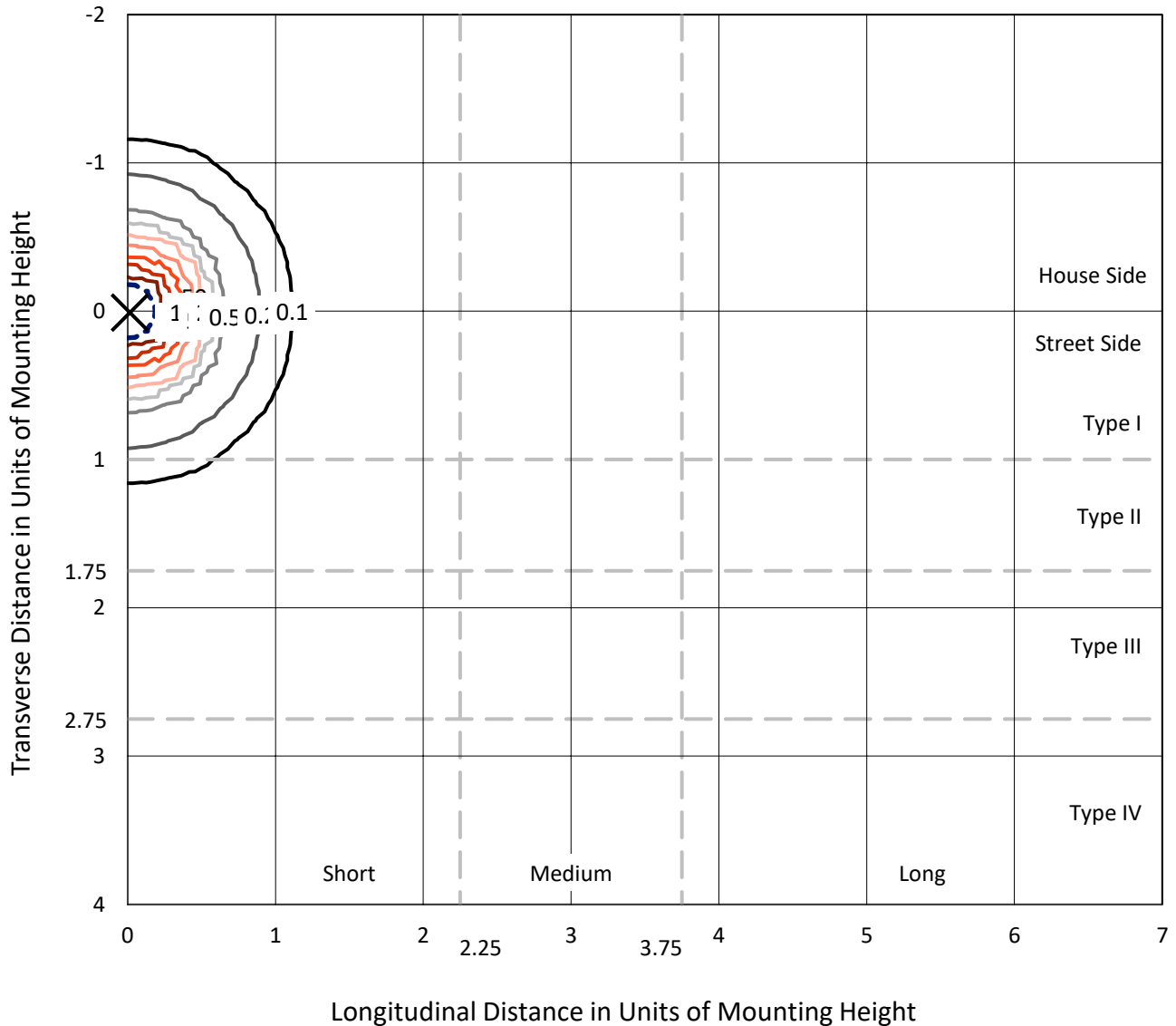
Input Watts (W): 156.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

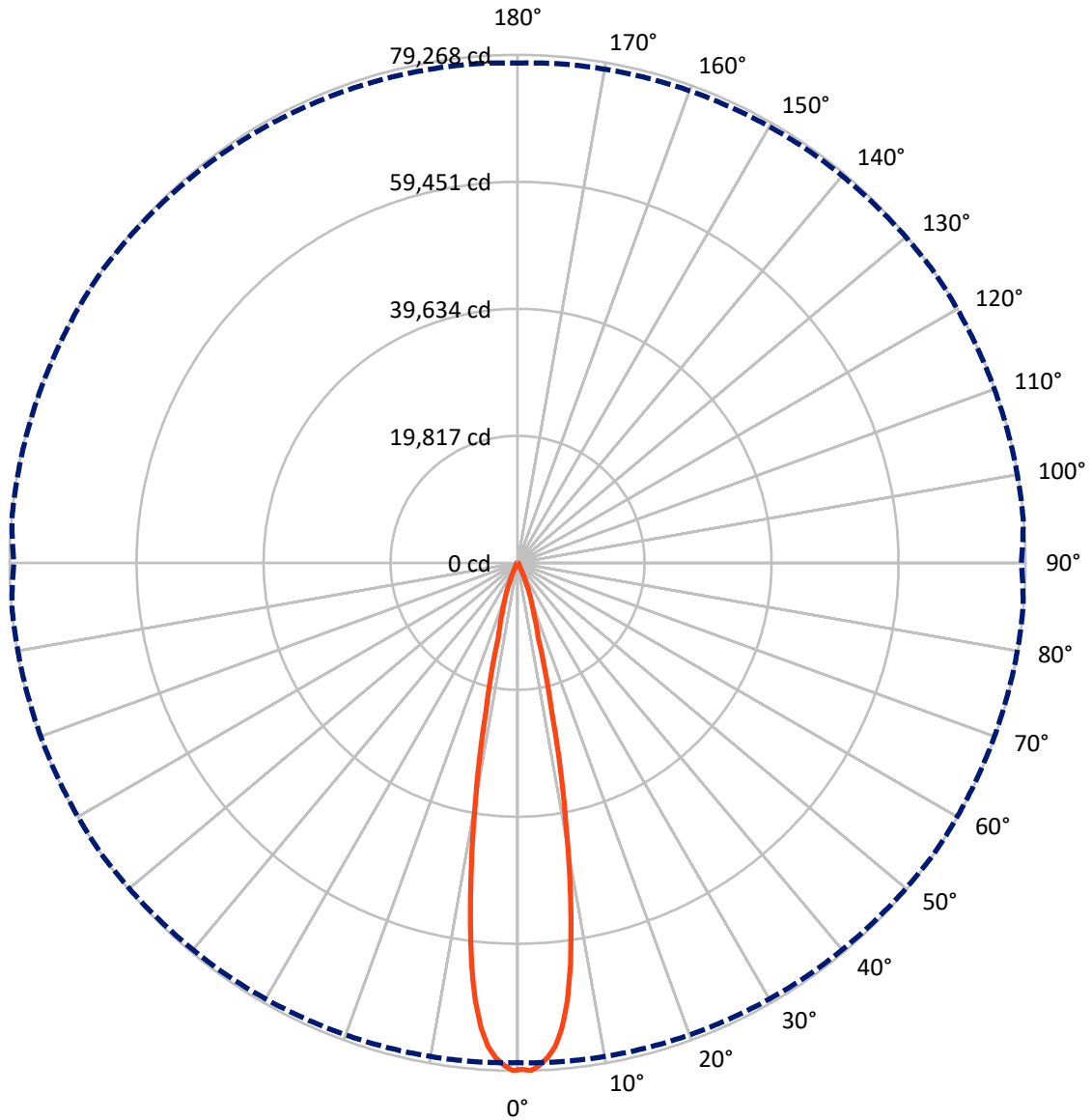
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 197.7 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	5750.4	0.0	5750.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5750.4	0.0	5750.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	11500.8	0.0	11500.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5843.3	50.8
10°-20°	4141.2	36.0
20°-30°	970.4	8.4
30°-40°	202.8	1.8
40°-50°	130.8	1.1
50°-60°	96.9	0.8
60°-70°	65.9	0.6
70°-80°	35.2	0.3
80°-90°	14.4	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°	11500.8	100.0
0°-180°	11500.8	100.0

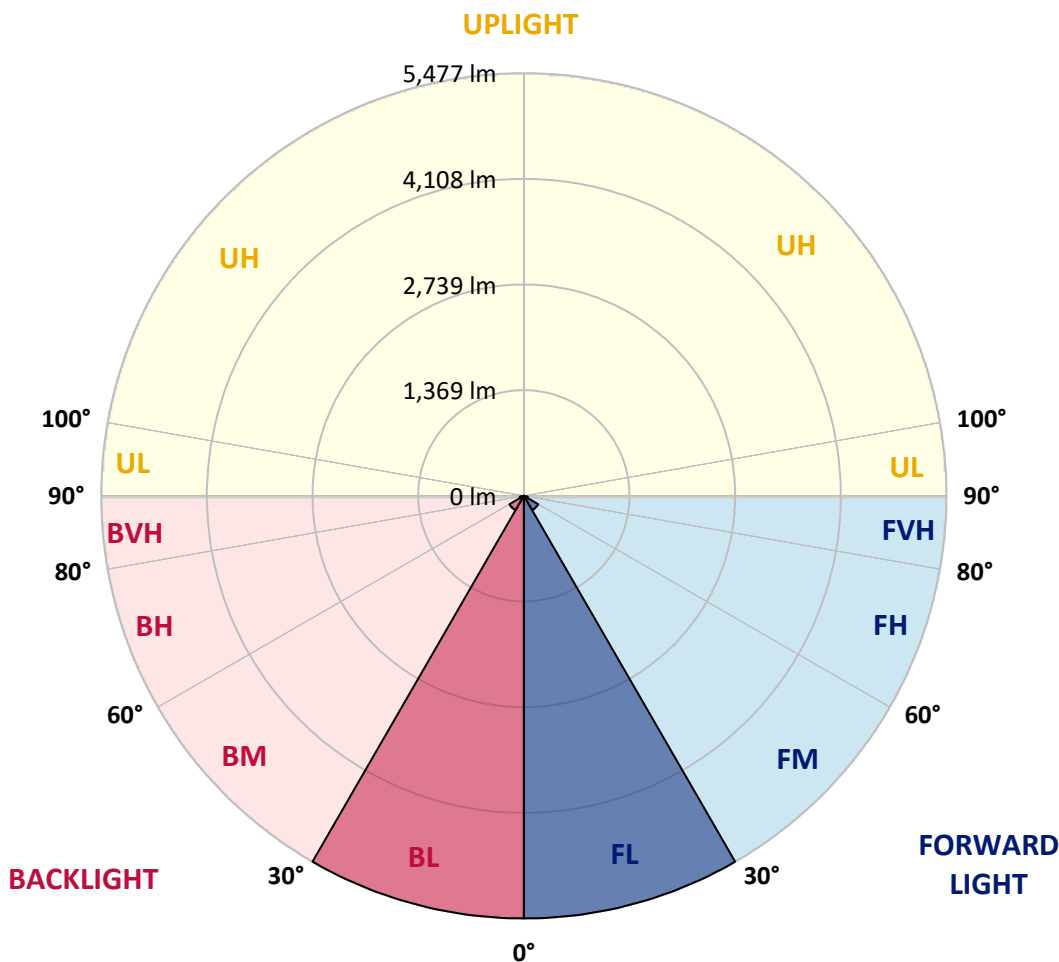


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5477.4	47.6			
FM (30°-60°)	215.3	1.9			
FH (60°-80°)	50.5	0.4			G0/660
FVH (80°-90°)	7.2	0.1			G0/10
BL (0°-30°)	5477.4	47.6	B5		
BM (30°-60°)	215.3	1.9	B0/220		
BH (60°-80°)	50.5	0.4	B0/110		G0/660
BVH (80°-90°)	7.2	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°	79064.2	79064.2	79064.2	79064.2	79064.2	79064.2	79064.2	79064.2	79064.2	79064.2
1°	78000.5	78144.9	78321.8	78482.5	78724.6	78921.8	79267.6	79194.4	79184.2	79198.5
2°	76489.3	76670.3	76942.8	77103.5	77727.9	77984.2	78506.9	78661.5	78537.4	78677.8
3°	74225.5	74374.0	74801.1	75116.4	75925.9	76617.4	77317.1	77549.0	77404.5	77469.6
4°	71530.6	71683.2	72199.8	72842.5	74012.0	74778.8	75616.7	75824.2	75352.3	75384.9
5°	68323.1	68394.3	69026.9	69612.6	71012.0	71941.5	72736.7	72801.8	72370.6	72205.9
6°	64715.0	64586.8	65168.5	65416.7	67155.7	68103.5	68685.2	68609.9	68282.5	68142.1
7°	60427.5	60252.6	60722.4	60588.2	62127.8	62668.9	63228.2	62971.9	62711.6	63035.0
8°	55466.8	55369.2	55066.1	55615.3	55920.3	56404.4	56402.4	56253.9	56245.8	56784.8
9°	48254.5	49155.6	48889.1	49464.7	49387.4	49365.0	49216.6	49121.0	48714.2	49334.5
10°	40334.5	40924.3	41373.8	42232.1	42065.3	42301.3	41475.5	41615.8	41345.3	41857.9
12.5°	20878.1	21541.1	21929.6	22584.5	23304.6	24040.8	23802.9	23556.8	23188.6	23640.1
15°	10277.4	10539.7	10663.8	11328.9	11841.4	12026.5	12055.0	11837.4	11743.8	11841.4
17.5°	6307.2	6398.7	6758.7	7523.4	7966.8	8076.7	8005.5	7767.5	7501.1	7389.2
20°	4566.1	4592.6	4728.8	4877.3	5469.2	5778.3	5664.4	5430.5	5184.4	5068.5
22.5°	2981.7	3008.2	3052.9	3134.3	3292.9	3675.3	3551.2	3392.6	3225.8	3191.2
25°	1688.1	1688.1	1734.9	1818.3	1936.3	1964.8	1989.2	1820.4	1743.1	1708.5
27.5°	941.7	947.8	958.0	990.5	1049.5	1043.4	1017.0	972.2	919.3	864.4
30°	520.7	526.8	532.9	541.0	551.2	532.9	516.6	508.5	486.1	480.0
32.5°	390.5	390.5	394.6	392.5	382.4	360.0	349.8	362.0	360.0	349.8
35°	321.4	321.4	325.4	333.6	313.2	297.0	288.8	305.1	305.1	299.0
37.5°	262.4	264.4	266.4	276.6	270.5	252.2	250.2	254.2	256.3	254.2
40°	229.8	227.8	227.8	229.8	225.8	221.7	217.6	215.6	217.6	215.6
42.5°	199.3	197.3	201.4	197.3	189.2	191.2	191.2	185.1	187.1	183.1
45°	174.9	172.9	174.9	170.8	164.7	166.8	166.8	158.6	158.6	156.6
47.5°	154.6	154.6	154.6	156.6	146.4	144.4	146.4	144.4	138.3	136.3
50°	134.2	136.3	138.3	142.4	132.2	128.1	128.1	128.1	124.1	122.0
52.5°	124.1	126.1	126.1	126.1	120.0	115.9	115.9	113.9	111.9	109.8
55°	120.0	120.0	120.0	111.9	109.8	107.8	101.7	99.7	97.6	97.6
57.5°	113.9	113.9	111.9	105.8	99.7	99.7	91.5	89.5	87.5	87.5
60°	101.7	101.7	101.7	99.7	91.5	89.5	81.4	77.3	75.3	75.3
62.5°	93.6	93.6	93.6	85.4	83.4	77.3	71.2	65.1	63.1	59.0
65°	85.4	85.4	85.4	77.3	73.2	67.1	59.0	52.9	48.8	42.7
67.5°	79.3	79.3	77.3	71.2	65.1	56.9	48.8	42.7	34.6	30.5
70°	69.2	69.2	67.1	63.1	56.9	50.8	40.7	32.5	26.4	20.3
72.5°	59.0	59.0	56.9	52.9	48.8	42.7	34.6	28.5	18.3	14.2
75°	48.8	48.8	46.8	42.7	40.7	36.6	30.5	22.4	14.2	6.1
77.5°	40.7	40.7	38.6	36.6	34.6	30.5	26.4	18.3	10.2	4.1
80°	30.5	32.5	32.5	32.5	28.5	26.4	24.4	18.3	8.1	2.0
82.5°	22.4	24.4	24.4	24.4	22.4	20.3	22.4	16.3	8.1	2.0
85°	16.3	16.3	18.3	18.3	18.3	18.3	24.4	18.3	6.1	2.0
87.5°	8.1	8.1	8.1	8.1	8.1	10.2	12.2	10.2	4.1	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°
79064.2
78631.0
78144.9
76981.5
74900.8
71862.1
67826.9
62935.3
55289.8
48177.2
40544.0
22417.8
11385.8
7232.6
4979.0
3120.0
1680.0
866.4
480.0
343.7
297.0
254.2
217.6
185.1
156.6
136.3
120.0
107.8
95.6
87.5
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