

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: P636045

Luminaire Tested: **IFLD-S-SA2E-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636045
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-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11419.7 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

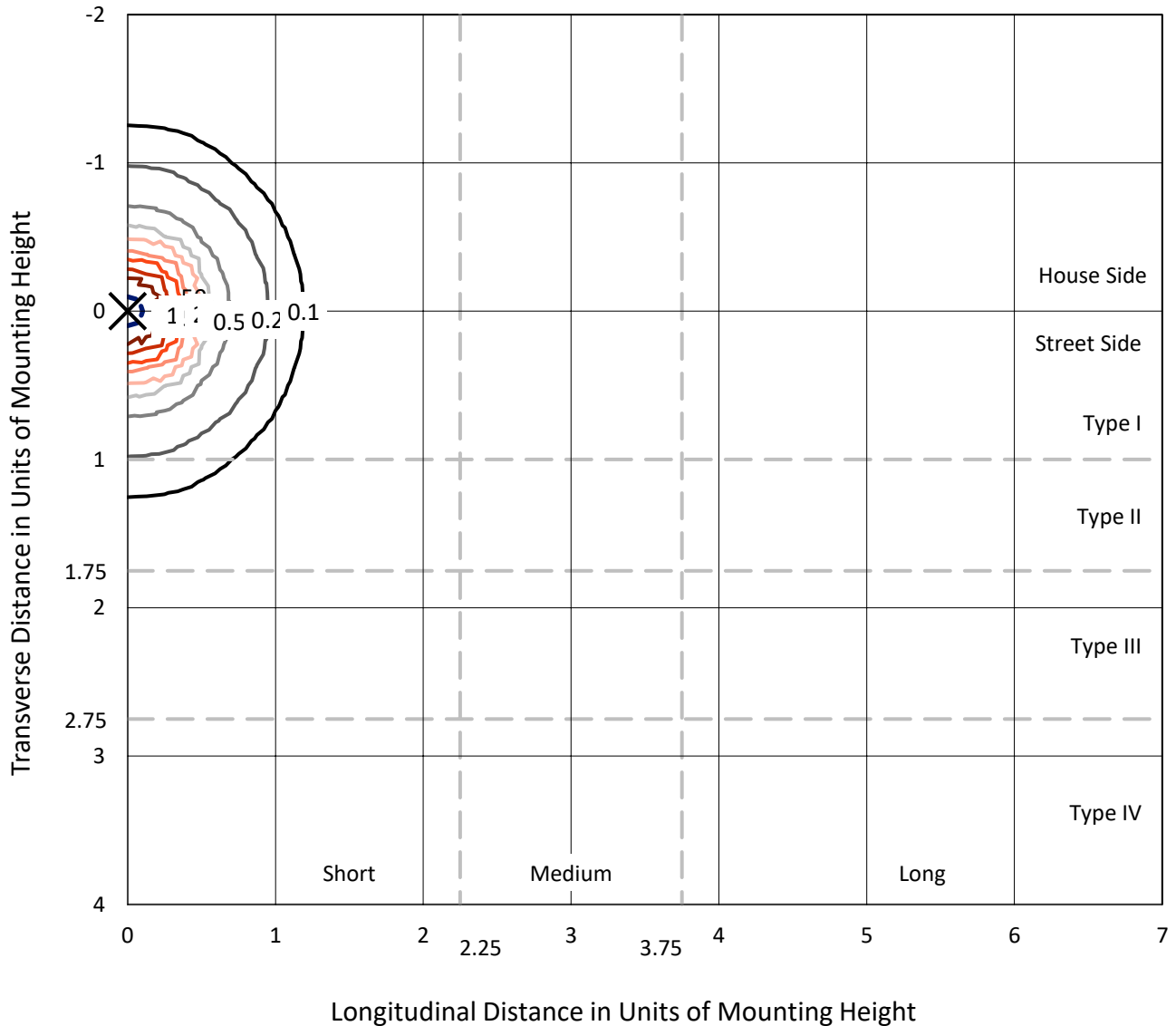
Input Watts (W): 156.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

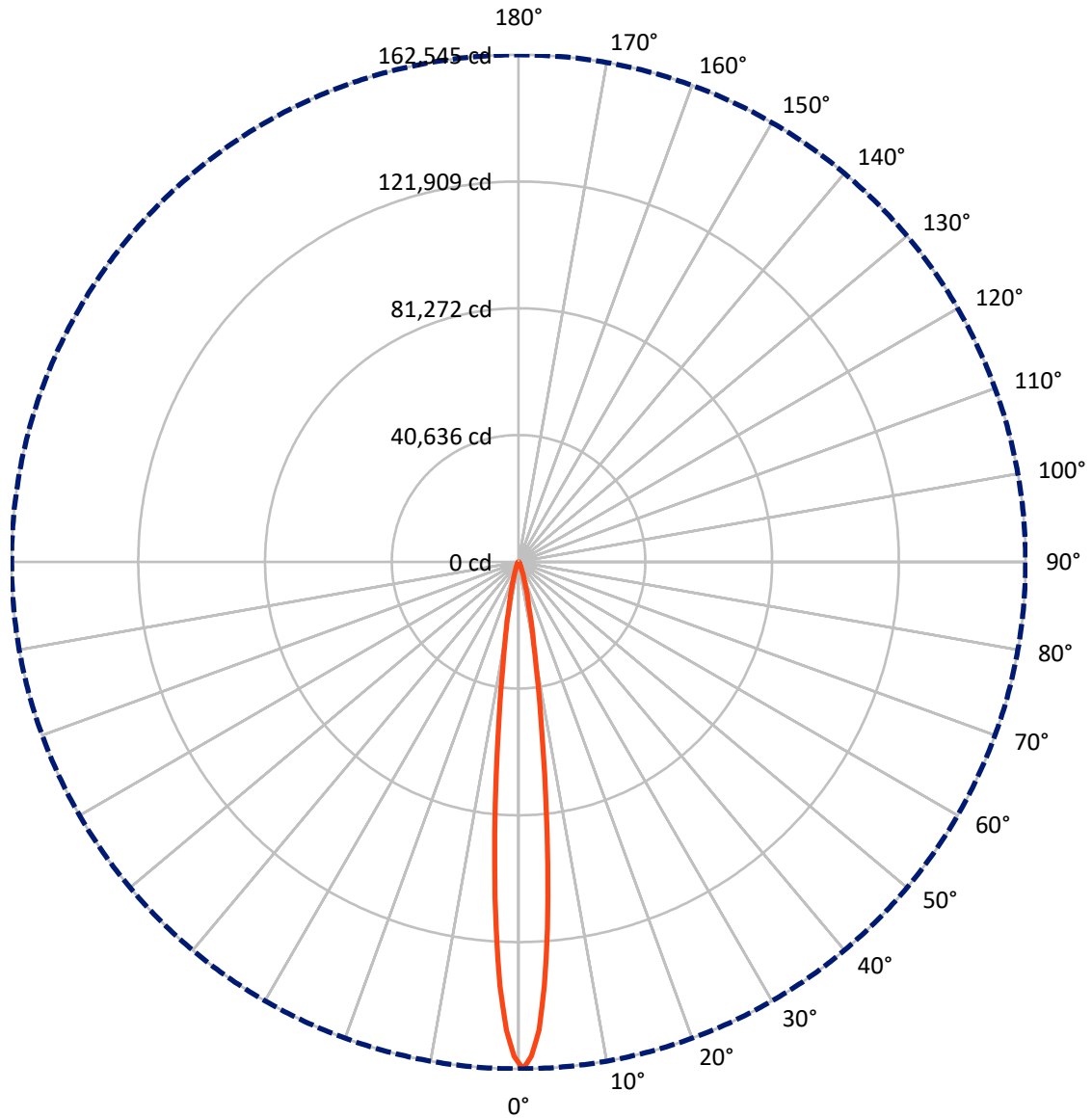
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 406.4 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	5709.9	0.0	5709.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5709.9	0.0	5709.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11419.7	0.0	11419.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6961.2	61.0
10°-20°	3118.7	27.3
20°-30°	696.5	6.1
30°-40°	227.3	2.0
40°-50°	156.8	1.4
50°-60°	118.4	1.0
60°-70°	81.1	0.7
70°-80°	42.7	0.4
80°-90°	17.0	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°	11419.7	100.0
0°-180°	11419.7	100.0

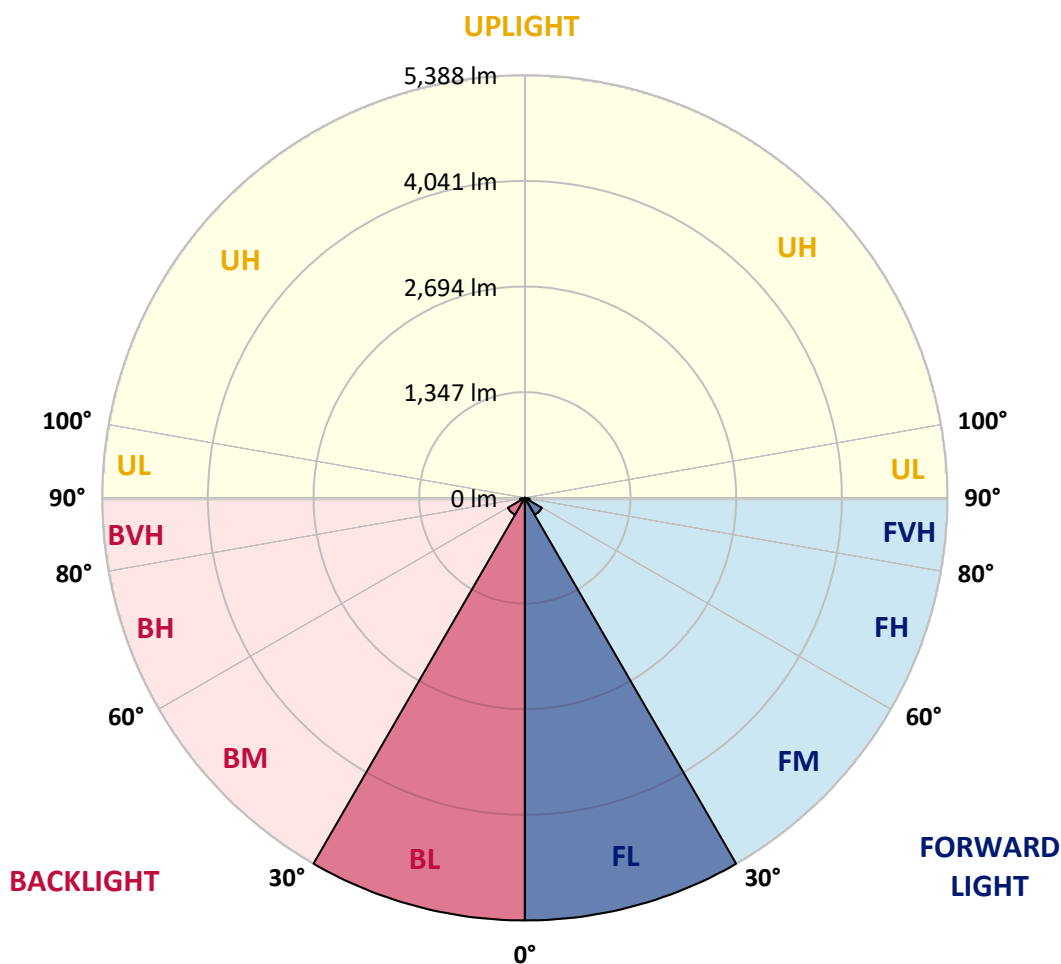


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5388.2	47.2			
FM (30°-60°)	251.3	2.2			
FH (60°-80°)	61.9	0.5			G0/660
FVH (80°-90°)	8.5	0.1			G0/10
BL (0°-30°)	5388.2	47.2	B5		
BM (30°-60°)	251.3	2.2	B1/1000		
BH (60°-80°)	61.9	0.5	B0/110		G0/660
BVH (80°-90°)	8.5	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°	162544.7	162544.7	162544.7	162544.7	162544.7	162544.7	162544.7	162544.7	162544.7	162544.7
1°	158509.1	158724.7	158484.7	159697.0	160197.4	160457.7	160488.2	161171.7	160644.8	160791.3
2°	150155.1	150635.2	149831.7	150608.7	152162.8	152750.6	151792.6	152976.4	152553.3	152799.4
3°	136118.0	136705.9	135595.3	136545.2	138544.7	138992.2	137421.9	139104.0	139061.3	139415.2
4°	118025.0	118978.9	117392.4	118517.2	119402.0	120960.1	119438.6	121352.7	121316.1	121930.4
5°	97486.9	98518.2	97139.1	98306.7	99144.7	99724.4	99167.1	101284.5	101418.8	102053.4
6°	77390.3	78352.4	76812.6	77927.3	79255.6	79493.5	79349.1	81171.6	81576.4	81082.1
7°	59559.6	59799.7	59557.6	60570.6	61636.4	61675.1	61862.2	63465.1	63821.0	63650.2
8°	45614.0	44515.6	45459.5	45996.5	46326.0	47839.3	47951.2	48758.7	49413.7	49460.5
9°	34721.6	33704.6	34796.9	35010.4	35767.1	37111.6	36942.8	37825.6	38236.5	38210.0
10°	26471.4	25954.7	26501.9	26737.9	27360.3	28499.4	28696.7	29101.5	29406.6	29605.9
12.5°	14364.6	14484.6	14801.9	15050.1	15888.1	16191.2	16313.3	16347.8	16345.8	16378.3
15°	8923.5	9021.1	9242.8	9692.3	10202.9	10579.2	10632.1	10436.8	10268.0	10241.5
17.5°	5565.2	5526.6	6047.3	6539.5	7153.8	7349.1	7145.7	6921.9	6692.1	6559.9
20°	3339.9	3366.4	3543.4	3763.0	4259.3	4597.0	4385.5	4157.6	3919.7	3763.0
22.5°	1897.8	1926.3	2003.6	2117.5	2306.6	2613.8	2479.5	2249.7	2080.9	2011.7
25°	1120.8	1120.8	1167.6	1218.4	1297.7	1368.9	1340.5	1218.4	1118.7	1090.3
27.5°	726.2	720.1	736.3	760.7	797.4	801.4	768.9	732.3	681.4	663.1
30°	530.9	532.9	530.9	541.1	539.0	524.8	504.4	506.5	486.1	484.1
32.5°	431.2	433.3	433.3	431.2	421.1	398.7	384.4	398.7	394.6	390.5
35°	358.0	360.0	380.4	378.3	362.1	337.7	327.5	343.8	356.0	337.7
37.5°	309.2	311.2	327.5	335.6	315.3	299.0	286.8	301.0	319.3	299.0
40°	272.6	274.6	278.7	280.7	270.5	262.4	256.3	260.4	268.5	258.3
42.5°	240.0	238.0	240.0	238.0	225.8	229.9	225.8	219.7	225.8	217.6
45°	209.5	209.5	209.5	203.4	191.2	199.3	195.3	189.2	191.2	185.1
47.5°	191.2	191.2	191.2	183.1	172.9	172.9	174.9	164.8	166.8	164.8
50°	172.9	172.9	177.0	168.8	160.7	154.6	156.6	148.5	150.5	148.5
52.5°	158.7	158.7	158.7	154.6	148.5	144.4	140.4	136.3	134.2	132.2
55°	152.6	152.6	150.5	138.3	136.3	132.2	124.1	122.0	118.0	115.9
57.5°	142.4	142.4	140.4	130.2	122.0	122.0	109.8	107.8	101.7	101.7
60°	126.1	126.1	124.1	122.0	111.9	105.8	97.6	93.6	87.5	85.4
62.5°	120.0	120.0	115.9	105.8	103.7	93.6	85.4	77.3	73.2	69.2
65°	111.9	109.8	107.8	97.6	89.5	83.4	73.2	63.1	59.0	50.9
67.5°	99.7	99.7	97.6	89.5	81.4	71.2	61.0	52.9	42.7	36.6
70°	87.5	85.4	85.4	77.3	71.2	63.1	48.8	40.7	30.5	24.4
72.5°	73.2	73.2	71.2	65.1	61.0	54.9	42.7	32.5	20.3	16.3
75°	59.0	59.0	57.0	52.9	50.9	44.7	36.6	28.5	16.3	8.1
77.5°	48.8	46.8	46.8	42.7	40.7	36.6	30.5	22.4	12.2	6.1
80°	36.6	36.6	38.6	36.6	32.5	30.5	26.4	20.3	10.2	4.1
82.5°	26.4	26.4	28.5	28.5	28.5	26.4	26.4	20.3	10.2	2.0
85°	18.3	18.3	22.4	20.3	20.3	22.4	32.5	26.4	8.1	2.0
87.5°	10.2	10.2	10.2	8.1	8.1	10.2	12.2	10.2	4.1	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
162544.7
159715.3
151920.7
138465.3
120852.3
100841.1
81133.0
63416.2
48870.6
38832.5
29723.9
16404.8
10160.2
6539.5
3797.6
2019.8
1086.2
663.1
482.1
382.4
333.6
297.0
254.3
217.6
185.1
164.8
148.5
132.2
113.9
101.7
81.4
67.1
48.8
36.6
24.4
14.2
8.1
4.1
2.0
2.0
2.0
2.0
0.0

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