

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: P636139

Luminaire Tested: **IFLD-S-SA6B-927-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636139
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-927-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20223.3 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

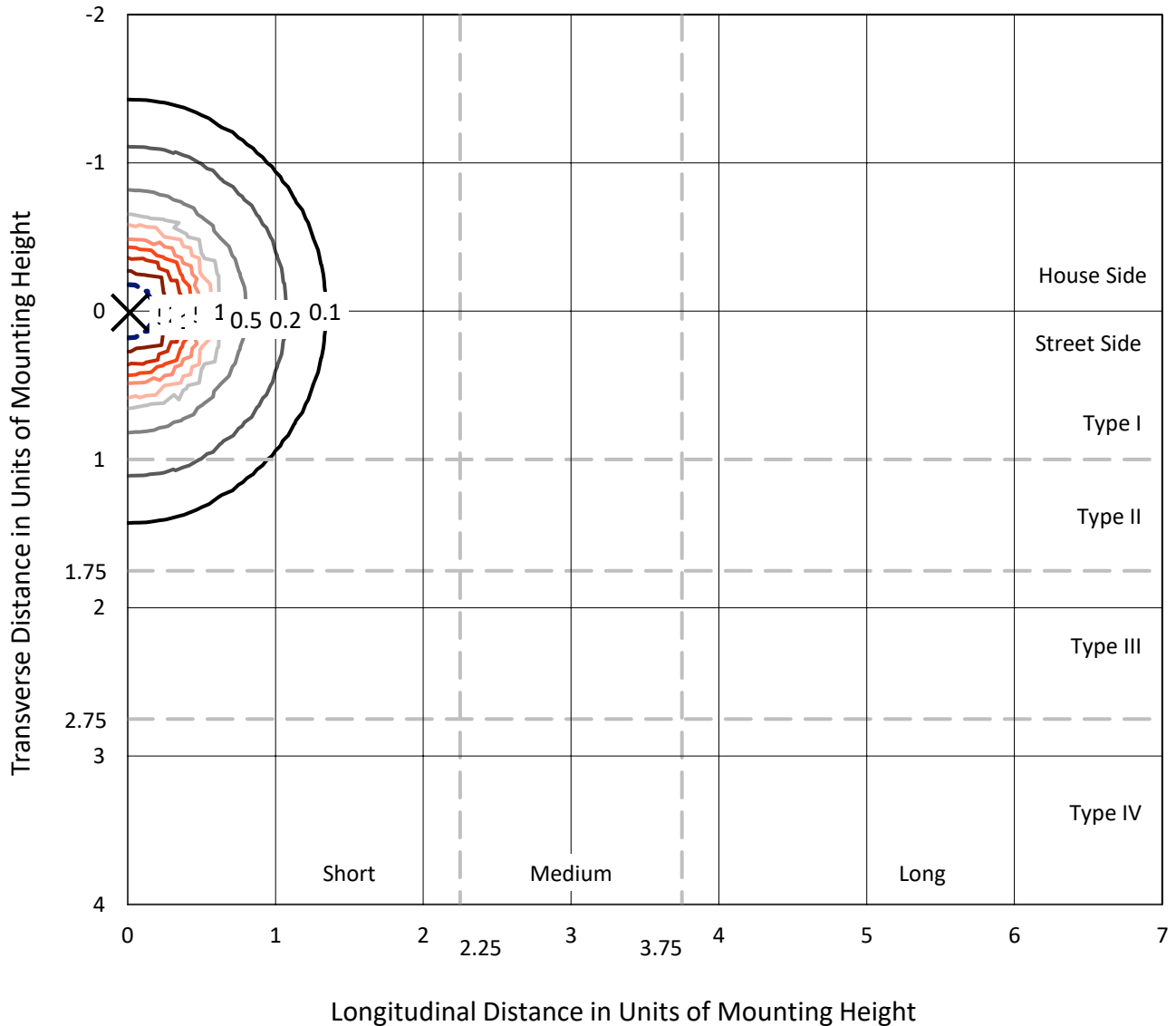
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

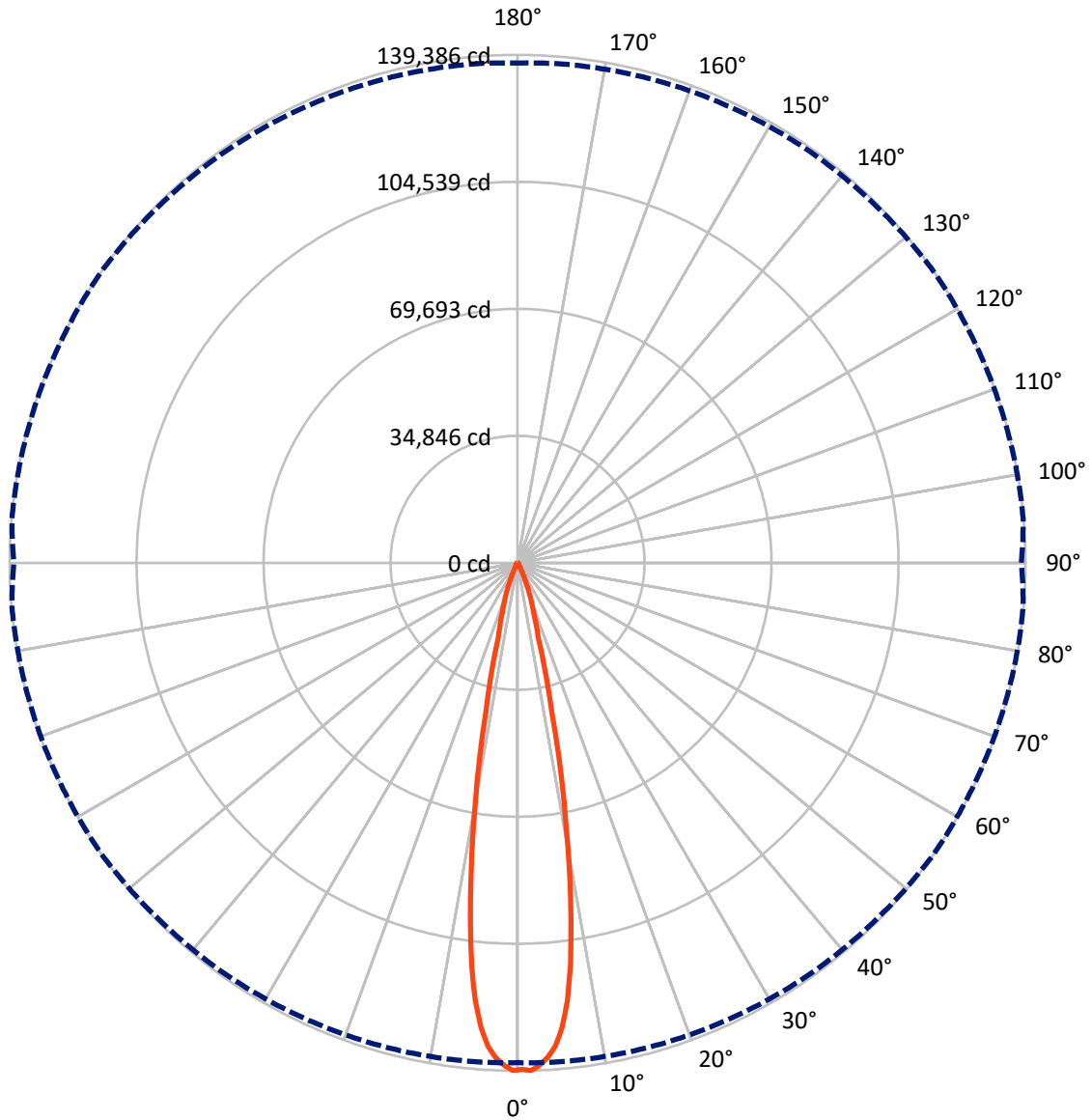
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 347.6 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	10111.7	0.0	10111.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10111.7	0.0	10111.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	20223.3	0.0	20223.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10275.0	50.8
10°-20°	7282.0	36.0
20°-30°	1706.3	8.4
30°-40°	356.6	1.8
40°-50°	230.1	1.1
50°-60°	170.4	0.8
60°-70°	115.8	0.6
70°-80°	61.8	0.3
80°-90°	25.3	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°	20223.3	100.0
0°-180°	20223.3	100.0

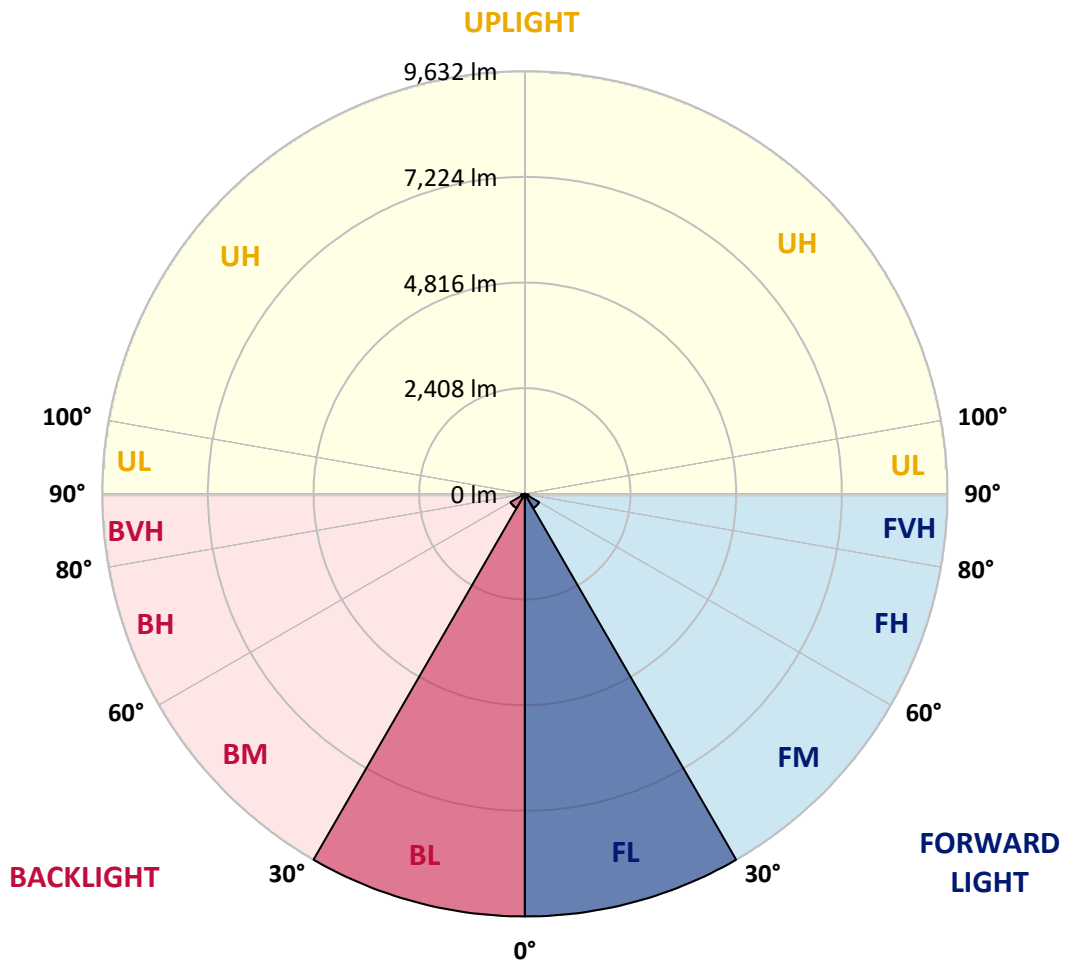


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9631.6	47.6			
FM (30°-60°)	378.6	1.9			
FH (60°-80°)	88.8	0.4			G0/660
FVH (80°-90°)	12.7	0.1			G1/100
BL (0°-30°)	9631.6	47.6	B5		
BM (30°-60°)	378.6	1.9	B1/1000		
BH (60°-80°)	88.8	0.4	B0/110		G0/660
BVH (80°-90°)	12.7	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°	139028.2	139028.2	139028.2	139028.2	139028.2	139028.2	139028.2	139028.2	139028.2	139028.2
1°	137157.7	137411.6	137722.8	138005.3	138430.9	138777.9	139385.9	139257.1	139239.2	139264.3
2°	134500.4	134818.7	135298.0	135580.5	136678.5	137129.1	138048.3	138320.1	138101.9	138348.7
3°	130519.8	130780.9	131531.9	132086.3	133509.7	134725.7	135956.0	136363.7	136109.8	136224.3
4°	125781.0	126049.2	126957.6	128087.8	130144.3	131492.6	132966.1	133330.9	132501.1	132558.4
5°	120140.9	120266.0	121378.3	122408.3	124869.0	126503.4	127901.8	128016.3	127258.0	126968.3
6°	113796.2	113570.9	114593.8	115030.1	118088.0	119754.6	120777.5	120645.1	120069.3	119822.6
7°	106257.0	105949.4	106775.6	106539.5	109246.9	110198.3	111181.8	110731.2	110273.4	110842.0
8°	97534.0	97362.3	96829.4	97795.1	98331.5	99182.7	99179.2	98918.1	98903.8	99851.5
9°	84851.8	86436.2	85967.7	86979.8	86843.9	86804.6	86543.5	86375.4	85660.1	86750.9
10°	70925.0	71962.2	72752.6	74261.9	73968.6	74383.5	72931.4	73178.2	72702.5	73603.8
12.5°	36712.5	37878.4	38561.5	39713.1	40979.2	42273.9	41855.5	41422.7	40775.4	41569.3
15°	18071.9	18533.3	18751.4	19921.0	20822.2	21147.7	21197.8	20815.1	20650.6	20822.2
17.5°	11090.6	11251.6	11884.6	13229.4	14009.0	14202.2	14077.0	13658.5	13190.0	12993.3
20°	8029.2	8075.7	8315.3	8576.4	9617.1	10160.8	9960.5	9549.2	9116.4	8912.6
22.5°	5243.1	5289.6	5368.3	5511.3	5790.3	6462.7	6244.5	5965.6	5672.3	5611.5
25°	2968.5	2968.5	3050.7	3197.4	3404.8	3454.9	3497.8	3200.9	3065.0	3004.2
27.5°	1655.9	1666.6	1684.5	1741.7	1845.5	1834.7	1788.2	1709.6	1616.6	1520.0
30°	915.6	926.3	937.0	951.3	969.2	937.0	908.4	894.1	854.8	844.0
32.5°	686.7	686.7	693.8	690.3	672.4	633.0	615.2	636.6	633.0	615.2
35°	565.1	565.1	572.2	586.5	550.8	522.2	507.9	536.5	536.5	525.7
37.5°	461.4	464.9	468.5	486.4	475.7	443.5	439.9	447.1	450.6	447.1
40°	404.1	400.6	400.6	404.1	397.0	389.8	382.7	379.1	382.7	379.1
42.5°	350.5	346.9	354.1	346.9	332.6	336.2	336.2	325.5	329.0	321.9
45°	307.6	304.0	307.6	300.4	289.7	293.3	293.3	279.0	279.0	275.4
47.5°	271.8	271.8	271.8	275.4	257.5	253.9	257.5	253.9	243.2	239.6
50°	236.0	239.6	243.2	250.4	232.5	225.3	225.3	225.3	218.2	214.6
52.5°	218.2	221.7	221.7	221.7	211.0	203.9	203.9	200.3	196.7	193.1
55°	211.0	211.0	211.0	196.7	193.1	189.6	178.8	175.2	171.7	171.7
57.5°	200.3	200.3	196.7	186.0	175.2	175.2	160.9	157.4	153.8	153.8
60°	178.8	178.8	178.8	175.2	160.9	157.4	143.1	135.9	132.3	132.3
62.5°	164.5	164.5	164.5	150.2	146.6	135.9	125.2	114.4	110.9	103.7
65°	150.2	150.2	150.2	135.9	128.8	118.0	103.7	93.0	85.8	75.1
67.5°	139.5	139.5	135.9	125.2	114.4	100.1	85.8	75.1	60.8	53.6
70°	121.6	121.6	118.0	110.9	100.1	89.4	71.5	57.2	46.5	35.8
72.5°	103.7	103.7	100.1	93.0	85.8	75.1	60.8	50.1	32.2	25.0
75°	85.8	85.8	82.3	75.1	71.5	64.4	53.6	39.3	25.0	10.7
77.5°	71.5	71.5	68.0	64.4	60.8	53.6	46.5	32.2	17.9	7.2
80°	53.6	57.2	57.2	57.2	50.1	46.5	42.9	32.2	14.3	3.6
82.5°	39.3	42.9	42.9	42.9	39.3	35.8	39.3	28.6	14.3	3.6
85°	28.6	28.6	32.2	32.2	32.2	32.2	42.9	32.2	10.7	3.6
87.5°	14.3	14.3	14.3	14.3	14.3	17.9	21.5	17.9	7.2	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°
139028.2
138266.4
137411.6
135365.9
131707.2
126363.9
119268.2
110666.8
97222.8
84715.9
71293.4
39419.9
20021.1
12717.9
8755.2
5486.3
2954.2
1523.6
844.0
604.4
522.2
447.1
382.7
325.5
275.4
239.6
211.0
189.6
168.1
153.8
128.8
96.6
75.1
50.1
35.8
21.5
10.7
3.6
3.6
3.6
3.6
0.0
0.0

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