

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: P636006

Luminaire Tested: **IFLD-L-SA7D-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636006
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-927-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29344.7 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

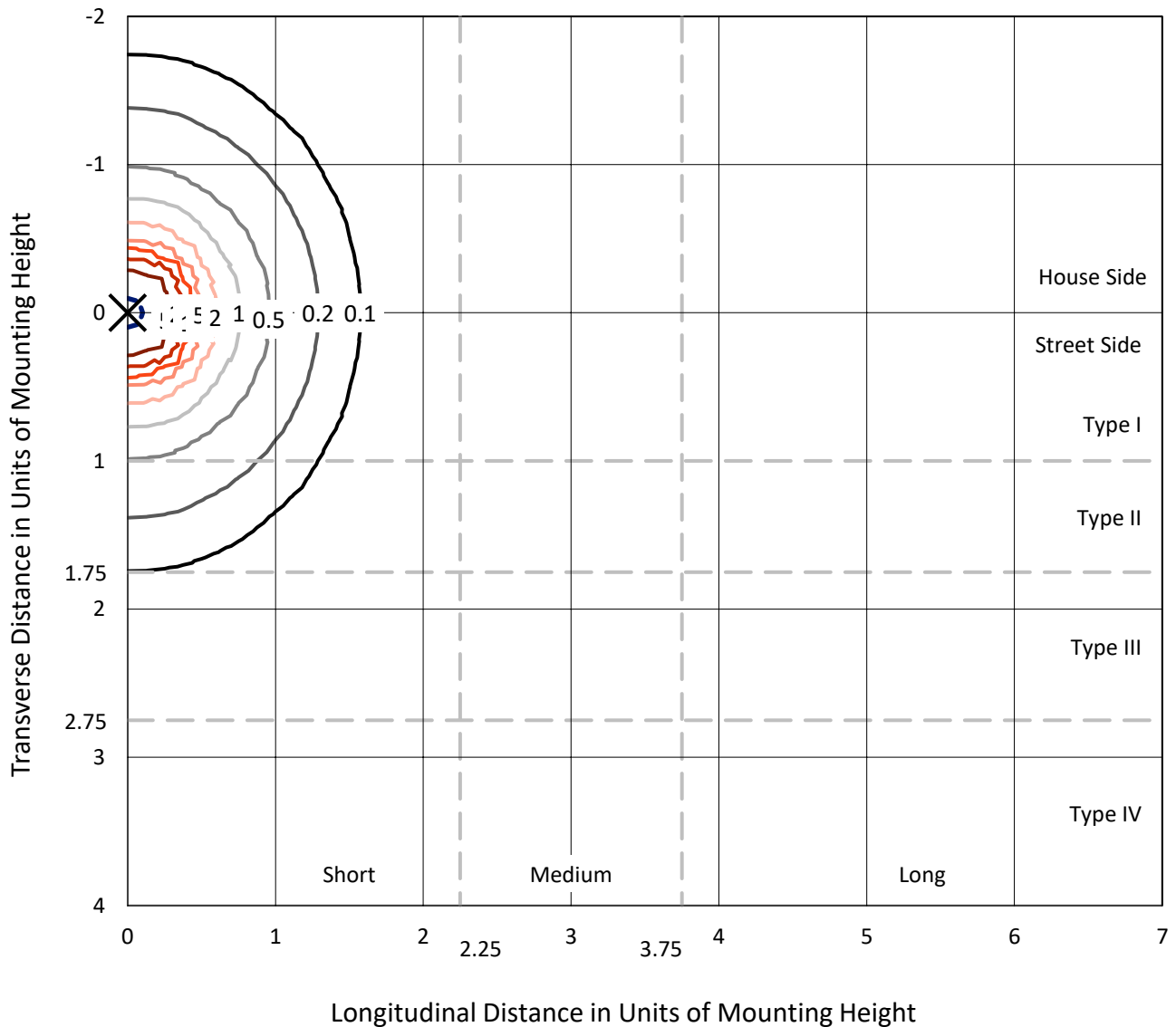
Input Watts (W): 422.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

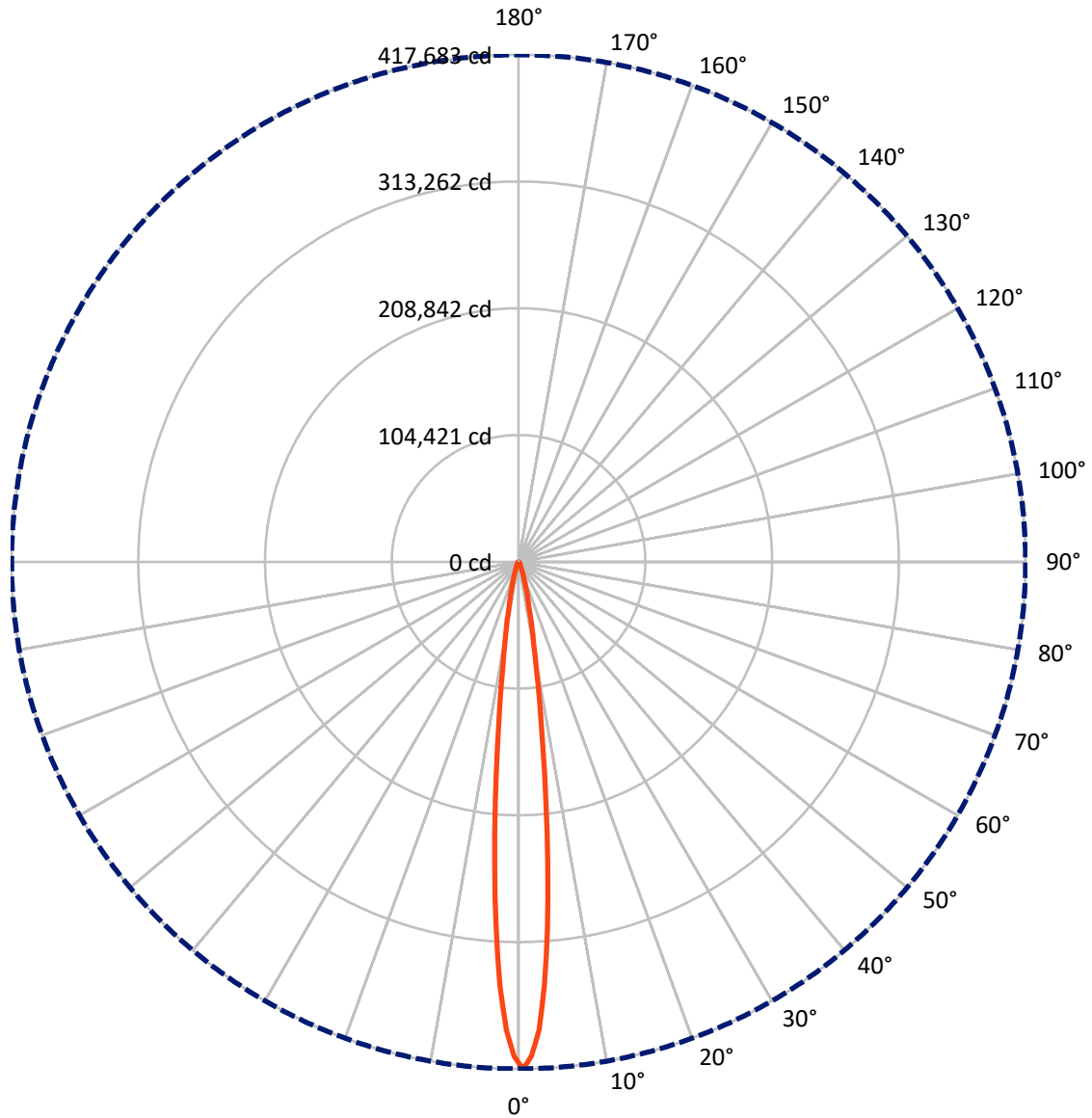
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1044.2 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	14672.3	0.0	14672.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14672.3	0.0	14672.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	29344.7	0.0	29344.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17888.0	61.0
10°-20°	8013.9	27.3
20°-30°	1789.7	6.1
30°-40°	584.1	2.0
40°-50°	402.9	1.4
50°-60°	304.4	1.0
60°-70°	208.3	0.7
70°-80°	109.7	0.4
80°-90°	43.8	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°	29344.7	100.0
0°-180°	29344.7	100.0

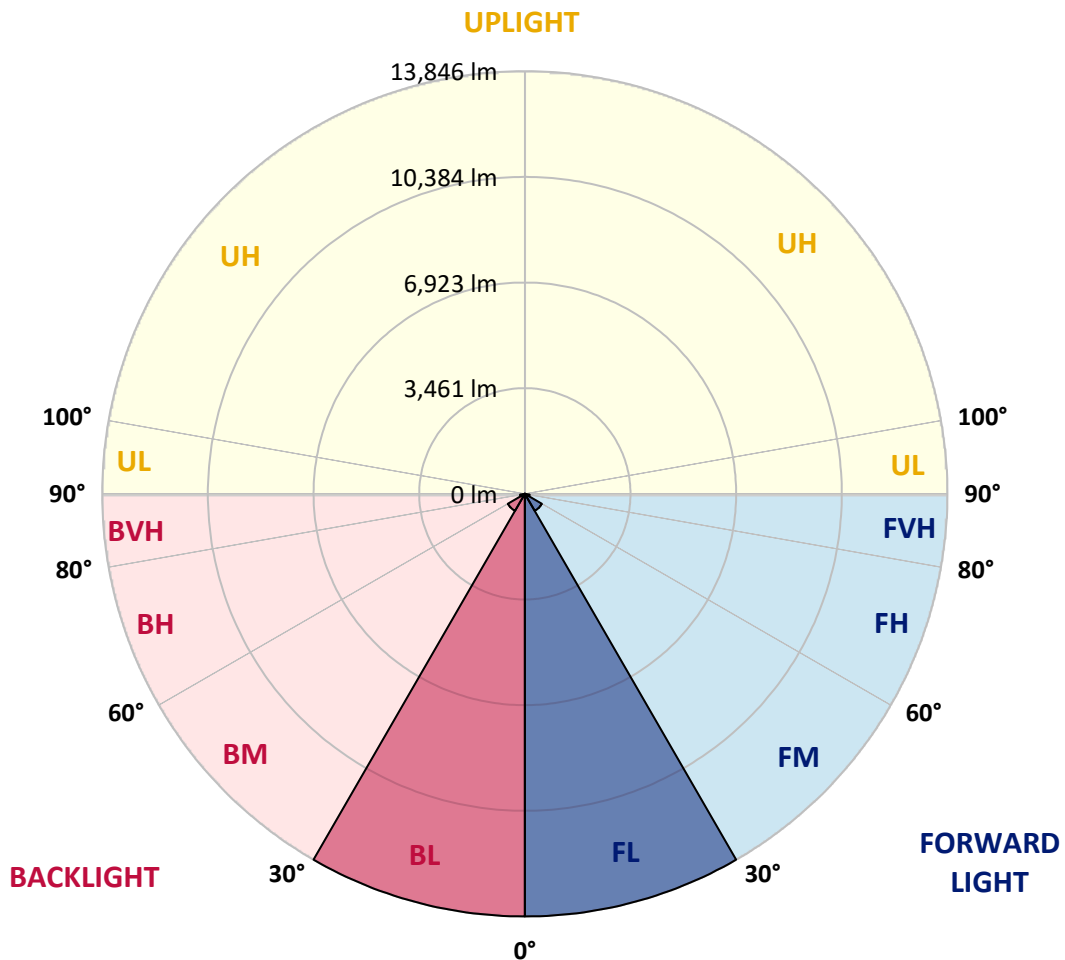


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13845.8	47.2			
FM (30°-60°)	645.7	2.2			
FH (60°-80°)	159.0	0.5			G0/660
FVH (80°-90°)	21.9	0.1			G1/100
BL (0°-30°)	13845.8	47.2	B5		
BM (30°-60°)	645.7	2.2	B1/1000		
BH (60°-80°)	159.0	0.5	B1/500		G0/660
BVH (80°-90°)	21.9	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°	417683.3	417683.3	417683.3	417683.3	417683.3	417683.3	417683.3	417683.3	417683.3	417683.3
1°	407313.2	407867.3	407250.5	410365.7	411651.5	412320.6	412399.0	414155.2	412801.4	413177.8
2°	385846.5	387080.1	385015.5	387012.1	391005.4	392516.0	390054.1	393096.2	392009.0	392641.4
3°	349776.0	351286.6	348432.7	350873.6	356011.6	357161.5	353126.4	357449.0	357339.3	358248.7
4°	303283.1	305734.5	301657.6	304548.0	306821.7	310825.5	306915.8	311834.2	311740.2	313318.7
5°	250507.5	253157.6	249613.7	252614.0	254767.4	256257.1	254824.9	260266.1	260611.1	262241.8
6°	198866.2	201338.5	197381.8	200246.1	203659.2	204270.8	203899.7	208582.9	209623.1	208352.9
7°	153047.6	153664.3	153042.4	155645.3	158384.2	158483.5	158964.4	163083.1	163997.8	163558.8
8°	117212.3	114389.7	116815.0	118194.9	119041.7	122930.4	123217.9	125293.0	126976.0	127096.2
9°	89222.4	86609.0	89415.8	89964.6	91909.0	95364.0	94930.2	97198.6	98254.4	98186.5
10°	68022.3	66694.7	68100.7	68707.0	70306.4	73233.5	73740.5	74780.6	75564.7	76076.9
12.5°	36912.1	37220.4	38035.8	38673.5	40827.0	41605.8	41919.4	42008.2	42003.0	42086.6
15°	22930.2	23181.1	23750.8	24906.0	26217.9	27184.9	27320.8	26819.0	26385.2	26317.2
17.5°	14300.7	14201.4	15539.4	16804.3	18382.9	18884.6	18361.9	17787.0	17196.4	16856.6
20°	8582.5	8650.4	9105.2	9669.7	10945.0	11812.7	11269.1	10683.7	10072.2	9669.7
22.5°	4876.7	4949.8	5148.5	5441.2	5927.3	6716.5	6371.5	5780.9	5347.1	5169.4
25°	2880.0	2880.0	3000.2	3130.9	3334.7	3517.7	3444.5	3130.9	2874.8	2801.6
27.5°	1866.0	1850.3	1892.1	1954.8	2048.9	2059.4	1975.8	1881.7	1751.0	1704.0
30°	1364.2	1369.4	1364.2	1390.3	1385.1	1348.5	1296.3	1301.5	1249.2	1244.0
32.5°	1108.1	1113.3	1113.3	1108.1	1082.0	1024.5	987.9	1024.5	1014.0	1003.6
35°	919.9	925.2	977.4	972.2	930.4	867.7	841.5	883.3	914.7	867.7
37.5°	794.5	799.7	841.5	862.4	810.2	768.3	737.0	773.6	820.6	768.3
40°	700.4	705.6	716.1	721.3	695.2	674.3	658.6	669.0	689.9	663.8
42.5°	616.8	611.5	616.8	611.5	580.2	590.6	580.2	564.5	580.2	559.3
45°	538.4	538.4	538.4	522.7	491.3	512.2	501.8	486.1	491.3	475.6
47.5°	491.3	491.3	491.3	470.4	444.3	444.3	449.5	423.4	428.6	423.4
50°	444.3	444.3	454.7	433.8	412.9	397.2	402.5	381.6	386.8	381.6
52.5°	407.7	407.7	407.7	397.2	381.6	371.1	360.7	350.2	345.0	339.7
55°	392.0	392.0	386.8	355.4	350.2	339.7	318.8	313.6	303.2	297.9
57.5°	365.9	365.9	360.7	334.5	313.6	313.6	282.3	277.0	261.3	261.3
60°	324.1	324.1	318.8	313.6	287.5	271.8	250.9	240.4	224.8	219.5
62.5°	308.4	308.4	297.9	271.8	266.6	240.4	219.5	198.6	188.2	177.7
65°	287.5	282.3	277.0	250.9	230.0	214.3	188.2	162.0	151.6	130.7
67.5°	256.1	256.1	250.9	230.0	209.1	182.9	156.8	135.9	109.8	94.1
70°	224.8	219.5	219.5	198.6	182.9	162.0	125.4	104.5	78.4	62.7
72.5°	188.2	188.2	182.9	167.3	156.8	141.1	109.8	83.6	52.3	41.8
75°	151.6	151.6	146.4	135.9	130.7	115.0	94.1	73.2	41.8	20.9
77.5°	125.4	120.2	120.2	109.8	104.5	94.1	78.4	57.5	31.4	15.7
80°	94.1	94.1	99.3	94.1	83.6	78.4	67.9	52.3	26.1	10.5
82.5°	67.9	67.9	73.2	73.2	73.2	67.9	67.9	52.3	26.1	5.2
85°	47.0	47.0	57.5	52.3	52.3	57.5	83.6	67.9	20.9	5.2
87.5°	26.1	26.1	26.1	20.9	20.9	26.1	31.4	26.1	10.5	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
417683.3
410412.8
390383.4
355807.8
310548.4
259126.6
208483.6
162957.7
125580.4
99785.9
76380.1
42154.6
26108.1
16804.3
9758.5
5190.3
2791.1
1704.0
1238.8
982.6
857.2
763.1
653.4
559.3
475.6
423.4
381.6
339.7
292.7
261.3
209.1
172.5
125.4
94.1
62.7
36.6
20.9
10.5
5.2
5.2
5.2
5.2
0.0

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