

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: P635986

Luminaire Tested: **IFLD-S-SA2D-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635986
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-927-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (32) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9408.5 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

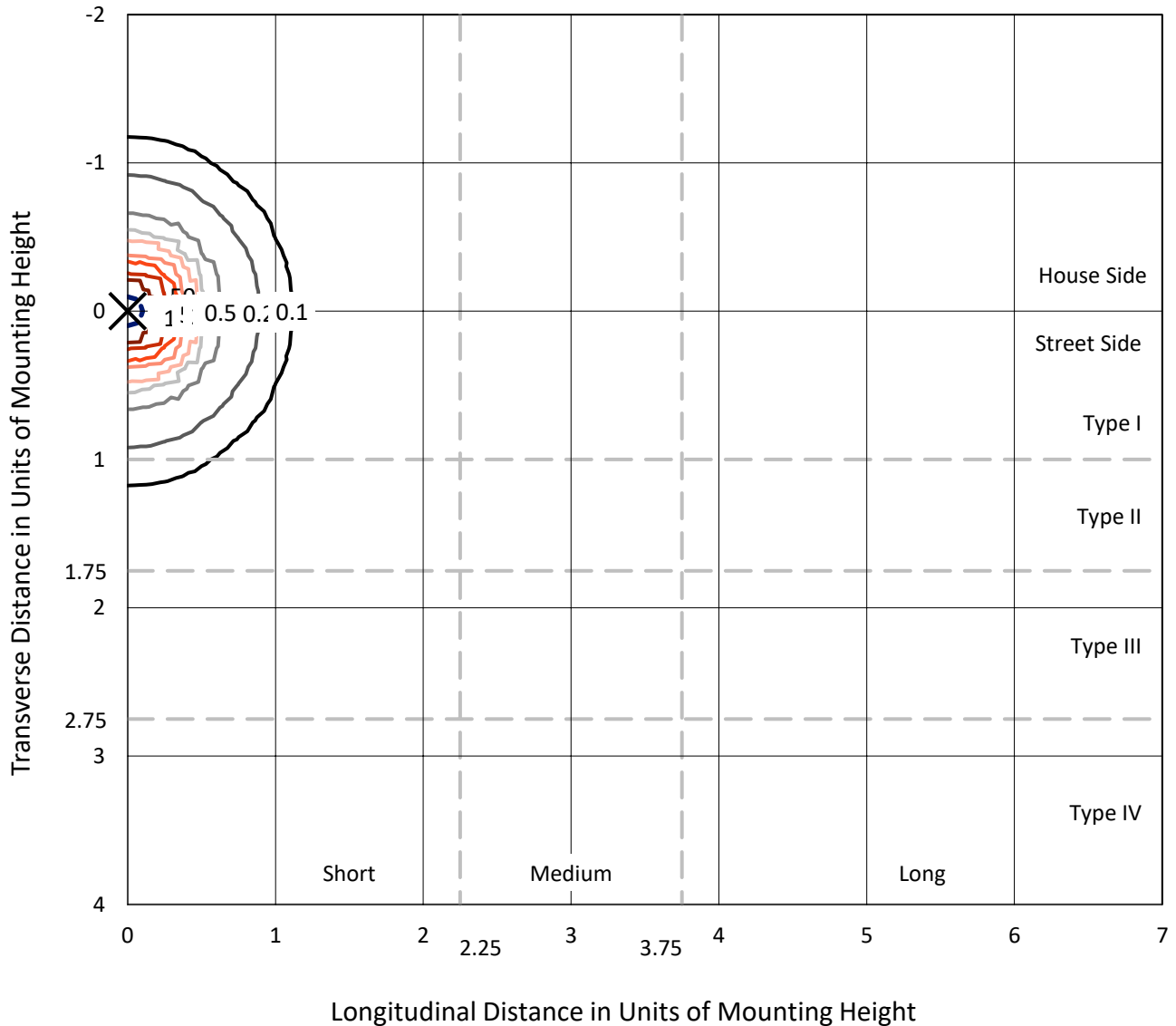
Input Watts (W): 123.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

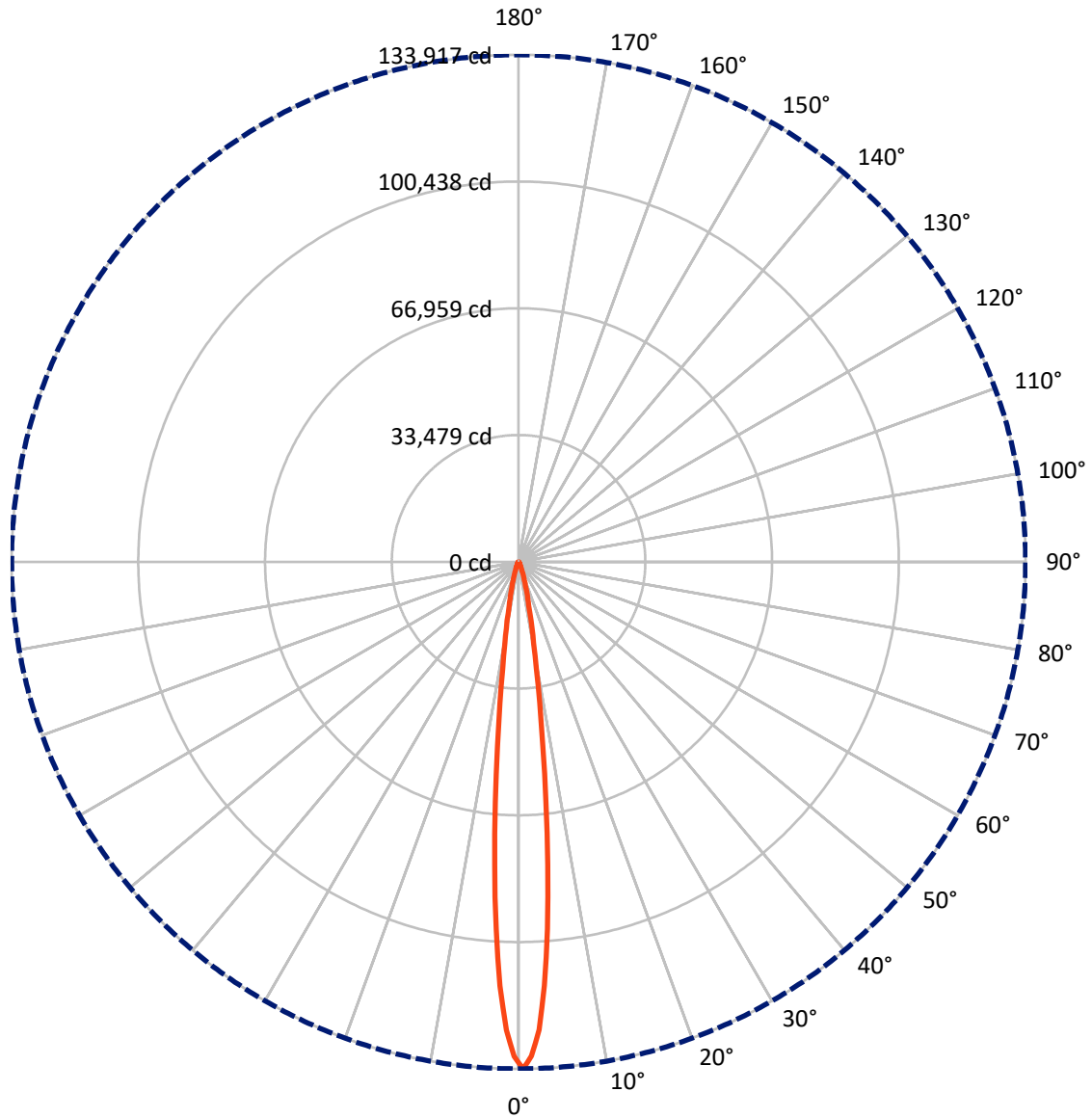
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 334.8 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	4704.2	0.0	4704.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4704.2	0.0	4704.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9408.5	0.0	9408.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5735.2	61.0
10°-20°	2569.4	27.3
20°-30°	573.8	6.1
30°-40°	187.3	2.0
40°-50°	129.2	1.4
50°-60°	97.6	1.0
60°-70°	66.8	0.7
70°-80°	35.2	0.4
80°-90°	14.1	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°	9408.5	100.0
0°-180°	9408.5	100.0

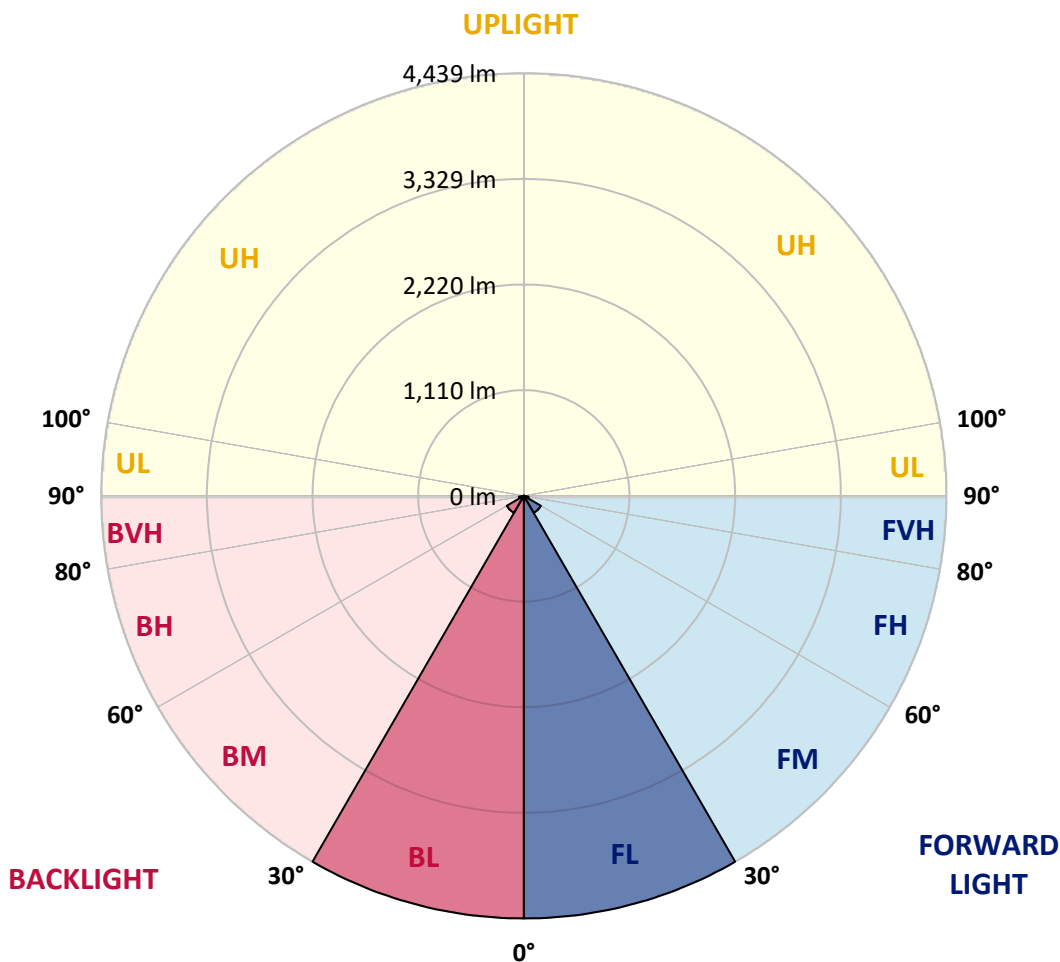


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4439.2	47.2			
FM (30°-60°)	207.0	2.2			
FH (60°-80°)	51.0	0.5			G0/660
FVH (80°-90°)	7.0	0.1			G0/10
BL (0°-30°)	4439.2	47.2	B4/5000		
BM (30°-60°)	207.0	2.2	B0/220		
BH (60°-80°)	51.0	0.5	B0/110		G0/660
BVH (80°-90°)	7.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	133917.4	133917.4	133917.4	133917.4	133917.4	133917.4	133917.4	133917.4	133917.4	133917.4
1°	130592.6	130770.2	130572.5	131571.3	131983.5	132198.0	132223.2	132786.2	132352.2	132472.9
2°	123709.9	124105.4	123443.5	124083.6	125364.0	125848.3	125059.0	126034.3	125685.7	125888.5
3°	112145.0	112629.3	111714.3	112496.9	114144.3	114513.0	113219.2	114605.1	114569.9	114861.5
4°	97238.5	98024.5	96717.3	97644.0	98373.0	99656.7	98403.2	99980.2	99950.0	100456.1
5°	80317.6	81167.3	80031.0	80993.0	81683.4	82161.0	81701.9	83446.4	83557.0	84079.9
6°	63760.4	64553.1	63284.5	64202.8	65297.1	65493.2	65374.2	66875.8	67209.3	66802.0
7°	49070.0	49267.8	49068.4	49902.9	50781.1	50812.9	50967.1	52287.6	52580.9	52440.1
8°	37580.5	36675.6	37453.2	37895.6	38167.1	39413.9	39506.1	40171.4	40711.0	40749.5
9°	28606.5	27768.5	28668.5	28844.4	29467.8	30575.6	30436.5	31163.8	31502.3	31480.5
10°	21809.3	21383.6	21834.4	22028.8	22541.6	23480.1	23642.6	23976.1	24227.5	24391.7
12.5°	11834.7	11933.6	12195.0	12399.5	13089.9	13339.6	13440.2	13468.7	13467.0	13493.8
15°	7351.9	7432.3	7615.0	7985.3	8406.0	8716.0	8759.6	8598.7	8459.6	8437.8
17.5°	4585.1	4553.2	4982.2	5387.8	5893.9	6054.8	5887.2	5702.9	5513.5	5404.6
20°	2751.7	2773.5	2919.3	3100.3	3509.2	3787.4	3613.1	3425.4	3229.3	3100.3
22.5°	1563.6	1587.0	1650.7	1744.5	1900.4	2153.4	2042.8	1853.5	1714.4	1657.4
25°	923.4	923.4	961.9	1003.8	1069.2	1127.8	1104.4	1003.8	921.7	898.2
27.5°	598.3	593.2	606.7	626.8	656.9	660.3	633.5	603.3	561.4	546.3
30°	437.4	439.1	437.4	445.8	444.1	432.4	415.6	417.3	400.5	398.8
32.5°	355.3	357.0	357.0	355.3	346.9	328.5	316.7	328.5	325.1	321.8
35°	294.9	296.6	313.4	311.7	298.3	278.2	269.8	283.2	293.3	278.2
37.5°	254.7	256.4	269.8	276.5	259.8	246.3	236.3	248.0	263.1	246.3
40°	224.6	226.2	229.6	231.3	222.9	216.2	211.2	214.5	221.2	212.8
42.5°	197.7	196.1	197.7	196.1	186.0	189.4	186.0	181.0	186.0	179.3
45°	172.6	172.6	172.6	167.6	157.5	164.2	160.9	155.9	157.5	152.5
47.5°	157.5	157.5	157.5	150.8	142.4	142.4	144.1	135.7	137.4	135.7
50°	142.4	142.4	145.8	139.1	132.4	127.4	129.0	122.3	124.0	122.3
52.5°	130.7	130.7	130.7	127.4	122.3	119.0	115.6	112.3	110.6	108.9
55°	125.7	125.7	124.0	114.0	112.3	108.9	102.2	100.5	97.2	95.5
57.5°	117.3	117.3	115.6	107.3	100.5	100.5	90.5	88.8	83.8	83.8
60°	103.9	103.9	102.2	100.5	92.2	87.1	80.4	77.1	72.1	70.4
62.5°	98.9	98.9	95.5	87.1	85.5	77.1	70.4	63.7	60.3	57.0
65°	92.2	90.5	88.8	80.4	73.7	68.7	60.3	52.0	48.6	41.9
67.5°	82.1	82.1	80.4	73.7	67.0	58.7	50.3	43.6	35.2	30.2
70°	72.1	70.4	70.4	63.7	58.7	52.0	40.2	33.5	25.1	20.1
72.5°	60.3	60.3	58.7	53.6	50.3	45.2	35.2	26.8	16.8	13.4
75°	48.6	48.6	46.9	43.6	41.9	36.9	30.2	23.5	13.4	6.7
77.5°	40.2	38.5	38.5	35.2	33.5	30.2	25.1	18.4	10.1	5.0
80°	30.2	30.2	31.8	30.2	26.8	25.1	21.8	16.8	8.4	3.4
82.5°	21.8	21.8	23.5	23.5	23.5	21.8	21.8	16.8	8.4	1.7
85°	15.1	15.1	18.4	16.8	16.8	18.4	26.8	21.8	6.7	1.7
87.5°	8.4	8.4	8.4	6.7	6.7	8.4	10.1	8.4	3.4	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
133917.4
131586.4
125164.6
114078.9
99567.9
83081.1
66843.9
52247.4
40263.5
31993.3
24488.9
13515.6
8370.8
5387.8
3128.8
1664.1
894.9
546.3
397.2
315.1
274.8
244.7
209.5
179.3
152.5
135.7
122.3
108.9
93.8
83.8
67.0
55.3
40.2
30.2
20.1
11.7
6.7
3.4
1.7
1.7
1.7
1.7
0.0

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