

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: P635987

Luminaire Tested: **IFLD-S-SA2E-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635987
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-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: 10888.3 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

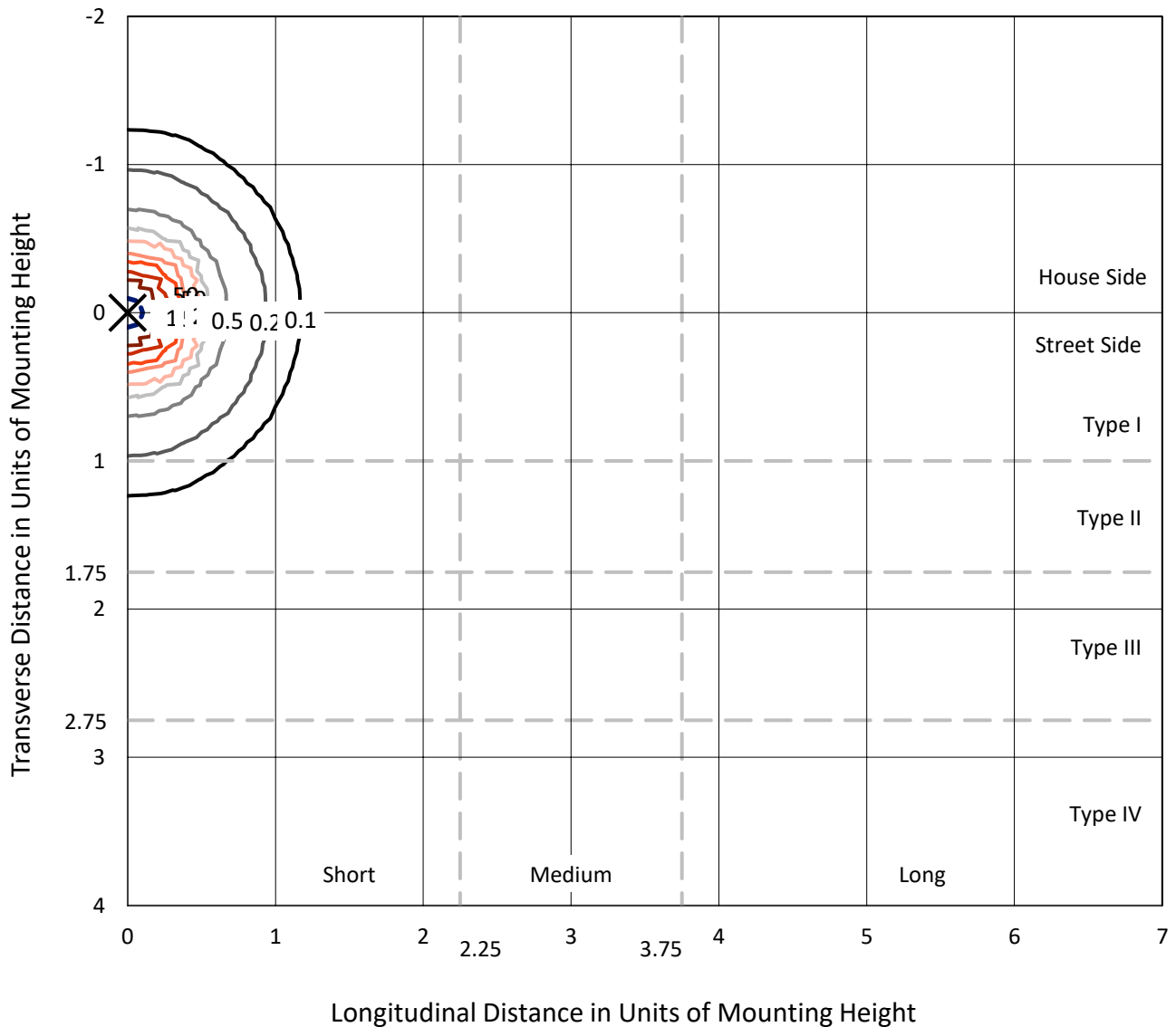
Input Watts (W): 156.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

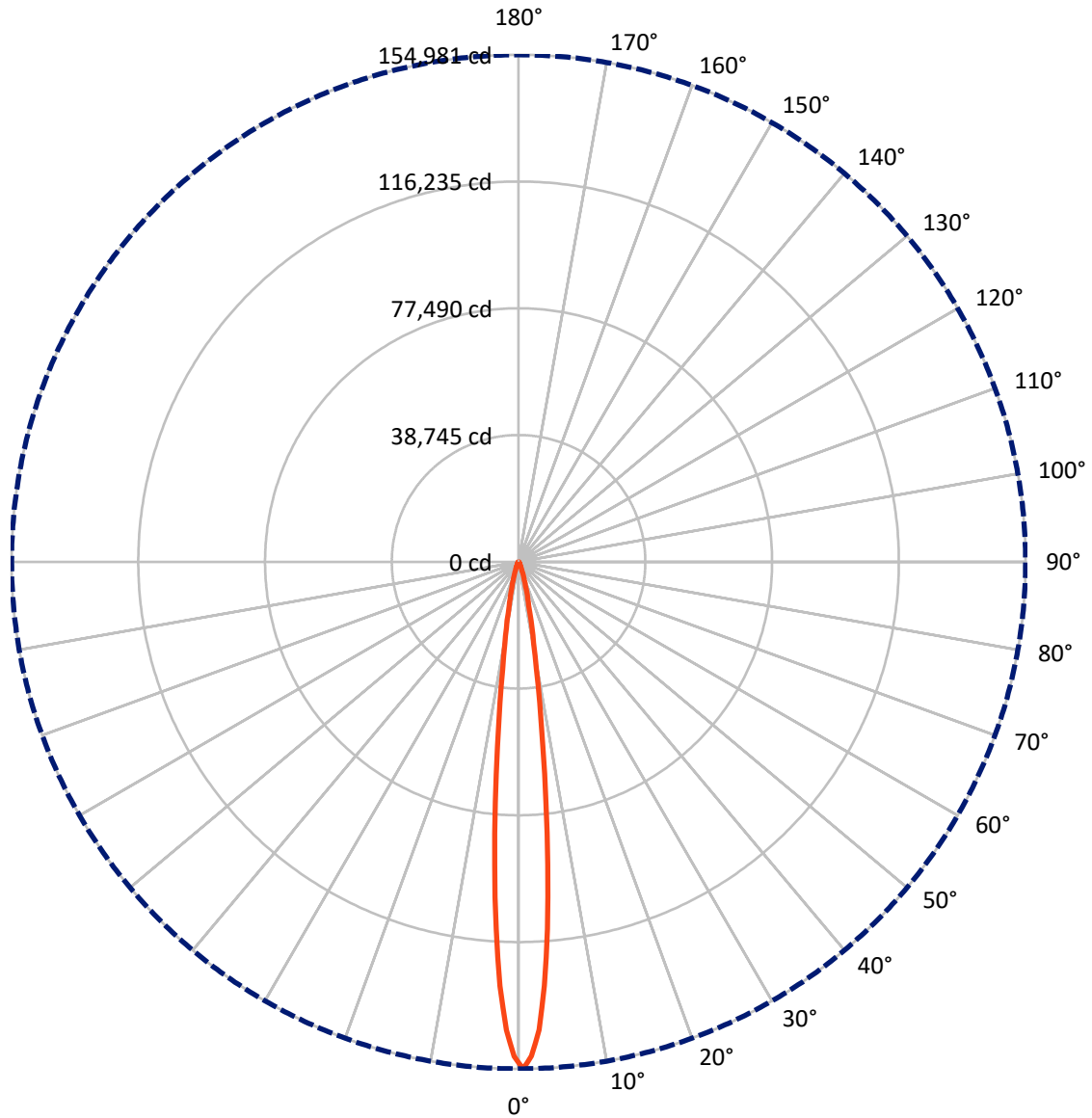
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 387.5 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	5444.1	0.0	5444.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5444.1	0.0	5444.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	10888.3	0.0	10888.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6637.3	61.0
10°-20°	2973.5	27.3
20°-30°	664.1	6.1
30°-40°	216.7	2.0
40°-50°	149.5	1.4
50°-60°	112.9	1.0
60°-70°	77.3	0.7
70°-80°	40.7	0.4
80°-90°	16.2	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°	10888.3	100.0
0°-180°	10888.3	100.0

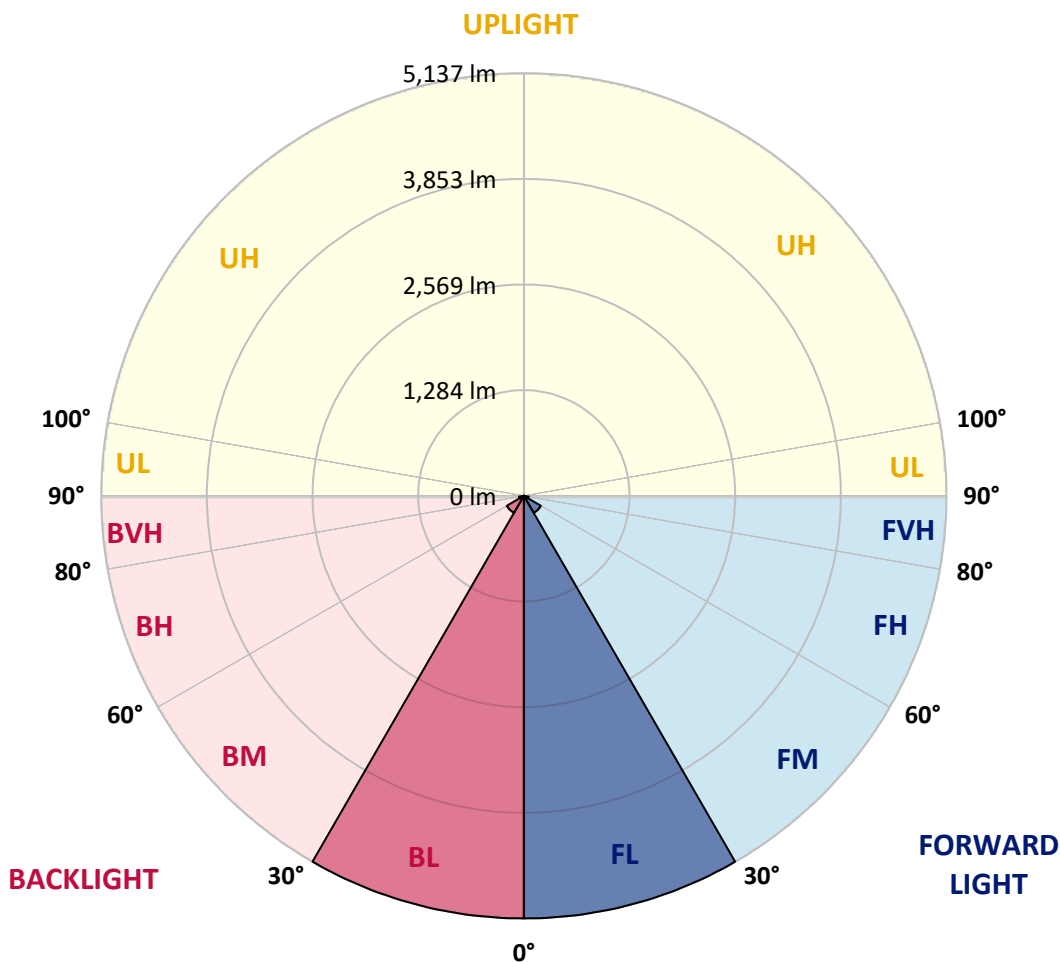


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5137.4	47.2			
FM (30°-60°)	239.6	2.2			
FH (60°-80°)	59.0	0.5			G0/660
FVH (80°-90°)	8.1	0.1			G0/10
BL (0°-30°)	5137.4	47.2	B5		
BM (30°-60°)	239.6	2.2	B1/1000		
BH (60°-80°)	59.0	0.5	B0/110		G0/660
BVH (80°-90°)	8.1	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°	154980.5	154980.5	154980.5	154980.5	154980.5	154980.5	154980.5	154980.5	154980.5	154980.5
1°	151132.7	151338.2	151109.4	152265.3	152742.4	152990.6	153019.7	153671.4	153169.1	153308.7
2°	143167.5	143625.2	142859.1	143600.0	145081.7	145642.2	144728.7	145857.5	145454.1	145688.7
3°	129783.6	130344.1	129285.2	130190.9	132097.3	132524.0	131026.8	132630.7	132589.9	132927.4
4°	112532.5	113442.1	111929.4	113001.9	113845.5	115331.1	113880.4	115705.4	115670.5	116256.2
5°	92950.3	93933.6	92618.6	93731.9	94530.9	95083.6	94552.2	96571.2	96699.2	97304.3
6°	73788.9	74706.2	73238.1	74300.9	75567.3	75794.2	75656.5	77394.2	77780.2	77308.9
7°	56788.0	57016.8	56786.0	57751.9	58768.1	58805.0	58983.4	60511.6	60851.0	60688.1
8°	43491.3	42444.1	43344.0	43856.0	44170.1	45613.1	45719.7	46489.7	47114.2	47158.8
9°	33105.8	32136.1	33177.5	33381.2	34102.6	35384.6	35223.6	36065.3	36457.1	36431.9
10°	25239.5	24746.9	25268.6	25493.6	26087.1	27173.1	27361.2	27747.2	28038.1	28228.2
12.5°	13696.1	13810.6	14113.1	14349.7	15148.8	15437.7	15554.1	15587.1	15585.1	15616.2
15°	8508.2	8601.3	8812.7	9241.3	9728.1	10086.9	10137.3	9951.1	9790.2	9764.9
17.5°	5306.2	5269.4	5765.9	6235.2	6820.9	7007.1	6813.2	6599.8	6380.7	6254.6
20°	3184.5	3209.7	3378.5	3587.9	4061.1	4383.1	4181.4	3964.2	3737.2	3587.9
22.5°	1809.5	1836.6	1910.3	2018.9	2199.3	2492.1	2364.1	2145.0	1984.0	1918.1
25°	1068.6	1068.6	1113.2	1161.7	1237.3	1305.2	1278.1	1161.7	1066.7	1039.5
27.5°	692.4	686.6	702.1	725.3	760.3	764.1	733.1	698.2	649.7	632.2
30°	506.2	508.1	506.2	515.9	513.9	500.4	481.0	482.9	463.5	461.6
32.5°	411.2	413.1	413.1	411.2	401.5	380.1	366.5	380.1	376.2	372.4
35°	341.3	343.3	362.7	360.7	345.2	321.9	312.2	327.8	339.4	321.9
37.5°	294.8	296.7	312.2	320.0	300.6	285.1	273.5	287.0	304.5	285.1
40°	259.9	261.8	265.7	267.6	257.9	250.2	244.4	248.2	256.0	246.3
42.5°	228.9	226.9	228.9	226.9	215.3	219.2	215.3	209.5	215.3	207.5
45°	199.8	199.8	199.8	193.9	182.3	190.1	186.2	180.4	182.3	176.5
47.5°	182.3	182.3	182.3	174.5	164.9	164.9	166.8	157.1	159.0	157.1
50°	164.9	164.9	168.7	161.0	153.2	147.4	149.3	141.6	143.5	141.6
52.5°	151.3	151.3	151.3	147.4	141.6	137.7	133.8	129.9	128.0	126.1
55°	145.5	145.5	143.5	131.9	129.9	126.1	118.3	116.4	112.5	110.5
57.5°	135.8	135.8	133.8	124.1	116.4	116.4	104.7	102.8	97.0	97.0
60°	120.2	120.2	118.3	116.4	106.7	100.8	93.1	89.2	83.4	81.5
62.5°	114.4	114.4	110.5	100.8	98.9	89.2	81.5	73.7	69.8	65.9
65°	106.7	104.7	102.8	93.1	85.3	79.5	69.8	60.1	56.2	48.5
67.5°	95.0	95.0	93.1	85.3	77.6	67.9	58.2	50.4	40.7	34.9
70°	83.4	81.5	81.5	73.7	67.9	60.1	46.5	38.8	29.1	23.3
72.5°	69.8	69.8	67.9	62.1	58.2	52.4	40.7	31.0	19.4	15.5
75°	56.2	56.2	54.3	50.4	48.5	42.7	34.9	27.2	15.5	7.8
77.5°	46.5	44.6	44.6	40.7	38.8	34.9	29.1	21.3	11.6	5.8
80°	34.9	34.9	36.8	34.9	31.0	29.1	25.2	19.4	9.7	3.9
82.5°	25.2	25.2	27.2	27.2	27.2	25.2	25.2	19.4	9.7	1.9
85°	17.5	17.5	21.3	19.4	19.4	21.3	31.0	25.2	7.8	1.9
87.5°	9.7	9.7	9.7	7.8	7.8	9.7	11.6	9.7	3.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
154980.5
152282.7
144850.9
132021.7
115228.3
96148.4
77357.4
60465.1
46596.3
37025.3
28340.6
15641.4
9687.4
6235.2
3620.9
1925.8
1035.6
632.2
459.6
364.6
318.1
283.2
242.4
207.5
176.5
157.1
141.6
126.1
108.6
97.0
77.6
64.0
46.5
34.9
23.3
13.6
7.8
3.9
1.9
1.9
1.9
1.9
0.0

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