

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: P525275

Luminaire Tested: **IFLD-S-SA3A-930-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525275
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-930-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

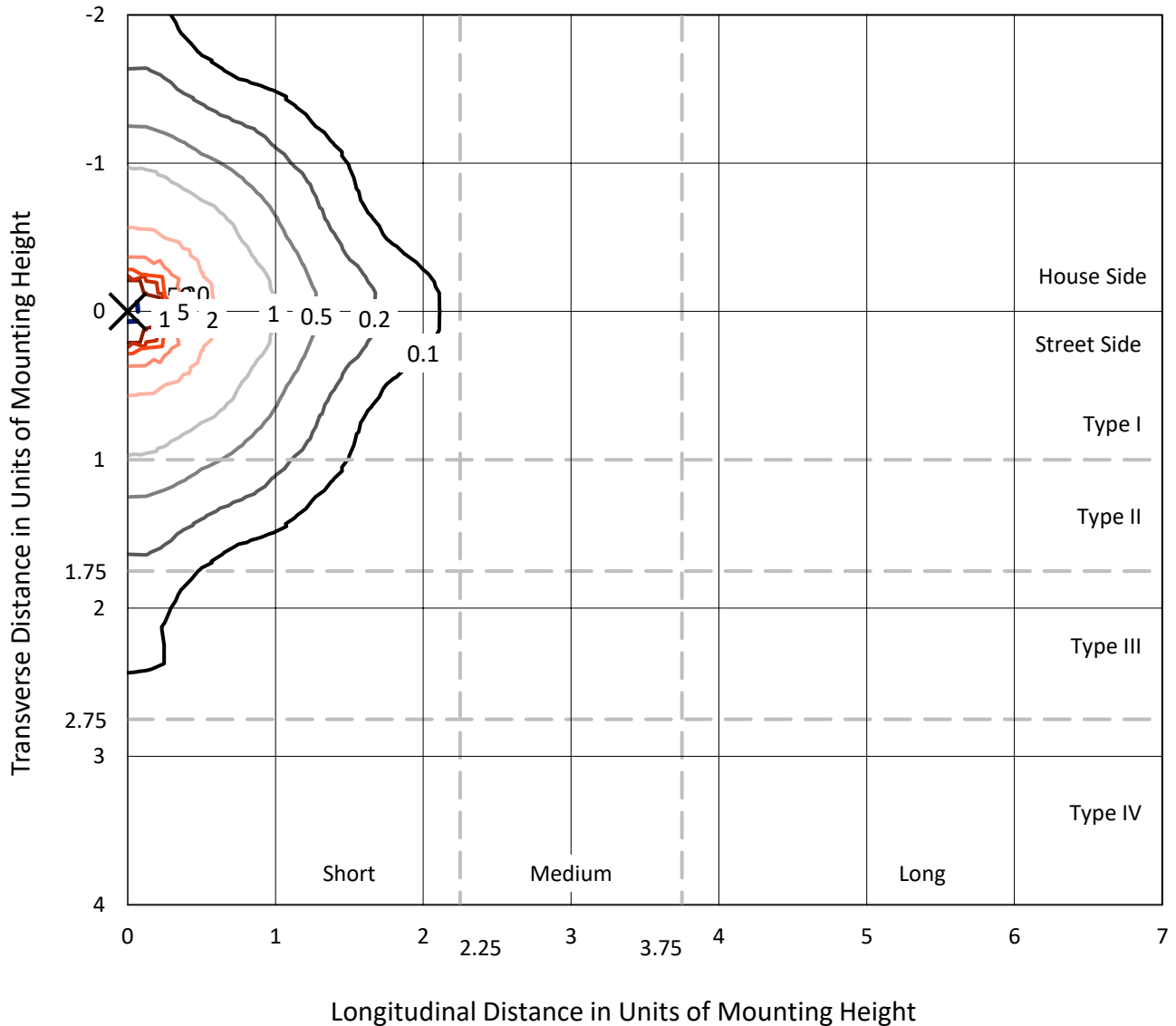
Lumens per Lamp: N/A
Luminaire Lumens: 5081.4 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 94.8
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

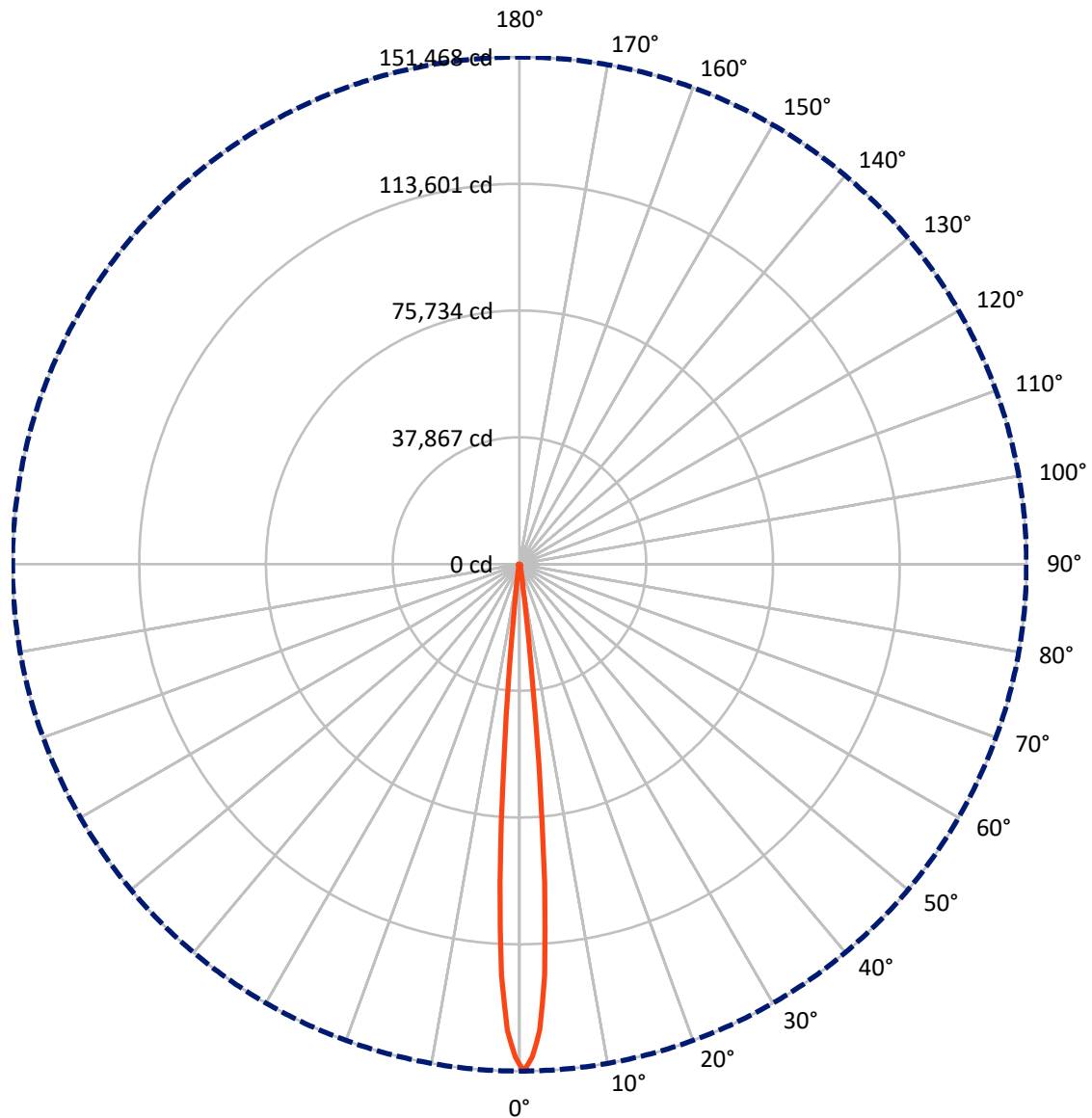
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1514.7 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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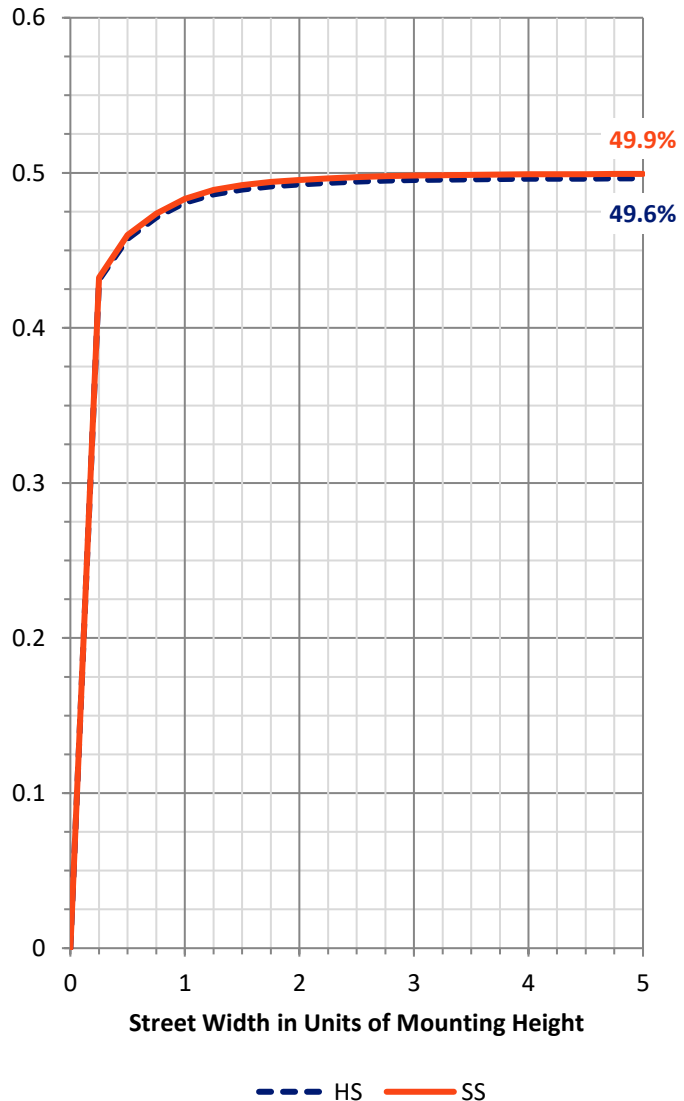
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2540.7	0.0	2540.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2540.7	0.0	2540.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5081.4	0.0	5081.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3902.5	76.8
10°-20°	380.6	7.5
20°-30°	203.4	4.0
30°-40°	167.7	3.3
40°-50°	186.8	3.7
50°-60°	125.6	2.5
60°-70°	80.1	1.6
70°-80°	31.6	0.6
80°-90°	3.1	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°	5081.4	100.0
0°-180°	5081.4	100.0

Coefficient of Utilization



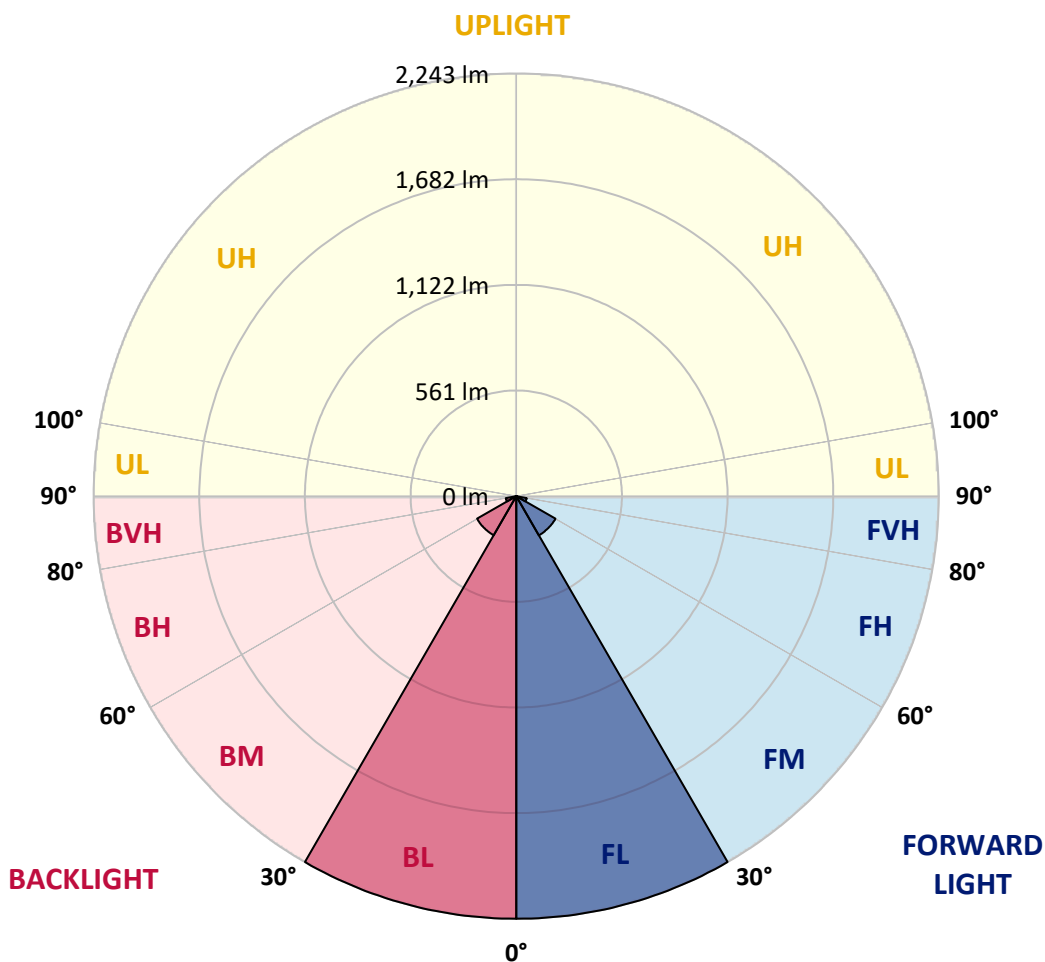
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2243.2	44.1			
FM (30°-60°)	240.0	4.7			
FH (60°-80°)	55.9	1.1			G0/660
FVH (80°-90°)	1.5	0.0			G0/10
BL (0°-30°)	2243.2	44.1	B3/2500		
BM (30°-60°)	240.0	4.7	B1/1000		
BH (60°-80°)	55.9	1.1	B0/110		G0/660
BVH (80°-90°)	1.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	151467.9	151467.9	151467.9	151467.9	151467.9	151467.9	151467.9	151467.9	151467.9	151467.9
1°	147258.2	147514.3	147560.5	147255.6	146478.0	146661.5	146637.8	146678.7	146602.1	146116.3
2°	139285.0	139663.8	139265.1	138409.7	136638.2	136215.8	134804.6	133229.8	131553.3	129872.8
3°	123009.8	123807.1	123238.1	124151.6	120558.4	120195.4	117227.8	113315.1	109349.6	106136.6
4°	95374.0	96847.2	97042.6	100057.6	97106.0	98028.7	94638.7	89202.7	83270.3	78731.8
5°	60793.4	62847.4	64006.4	66834.0	68193.7	71734.1	70082.7	64626.9	57771.7	52550.8
6°	30716.8	31834.9	34949.0	38057.7	41529.5	46227.7	46863.9	42074.7	36618.8	31607.8
7°	14318.8	14780.9	16977.5	17640.1	21609.6	26706.4	27419.3	24793.6	21915.9	18032.2
8°	7399.0	7578.5	8381.1	8873.5	11188.9	14120.8	14621.1	12968.4	11790.9	9837.2
9°	4556.9	4636.1	4937.1	5048.0	5913.9	7218.2	7395.1	6703.3	6383.9	5709.3
10°	3160.3	3202.5	3343.7	3372.8	3661.9	4090.9	4106.7	3879.7	3885.0	3716.0
12.5°	1684.4	1697.6	1737.2	1741.2	1796.6	1841.5	1830.9	1832.3	1854.7	1832.3
15°	1077.2	1083.8	1107.5	1112.8	1141.9	1157.7	1149.8	1148.5	1156.4	1141.9
17.5°	768.3	772.2	789.4	803.9	822.4	827.7	825.0	822.4	822.4	809.2
20°	599.3	604.6	616.5	631.0	640.2	649.5	650.8	649.5	645.5	638.9
22.5°	509.5	512.2	516.1	522.7	529.3	533.3	535.9	537.3	535.9	533.3
25°	443.5	446.2	454.1	458.1	458.1	459.4	464.7	467.3	468.6	463.3
27.5°	327.4	334.0	345.9	352.5	352.5	355.1	359.1	364.3	369.6	360.4
30°	253.5	258.7	271.9	271.9	270.6	273.3	277.2	285.1	293.1	282.5
32.5°	228.4	228.4	231.0	232.3	232.3	236.3	238.9	245.5	252.1	249.5
35°	238.9	232.3	224.4	224.4	227.1	235.0	236.3	242.9	249.5	258.7
37.5°	347.2	327.4	298.3	293.1	293.1	302.3	298.3	302.3	314.2	348.5
40°	315.5	299.7	282.5	258.7	258.7	271.9	262.7	268.0	295.7	316.8
42.5°	281.2	281.2	262.7	240.3	240.3	246.9	244.2	246.9	278.5	295.7
45°	260.1	260.1	254.8	219.1	224.4	228.4	228.4	228.4	270.6	275.9
47.5°	248.2	248.2	235.0	202.0	208.6	209.9	212.5	209.9	242.9	261.4
50°	221.8	224.4	202.0	178.2	186.1	186.1	190.1	184.8	209.9	240.3
52.5°	191.4	194.1	159.7	141.2	150.5	149.2	154.4	146.5	166.3	208.6
55°	170.3	169.0	132.0	114.8	125.4	124.1	126.7	117.5	134.6	179.5
57.5°	147.8	150.5	108.2	93.7	105.6	103.0	106.9	96.4	110.9	159.7
60°	130.7	134.6	92.4	79.2	91.1	88.4	92.4	80.5	95.0	143.9
62.5°	125.4	125.4	81.8	67.3	79.2	76.6	79.2	67.3	84.5	132.0
65°	149.2	141.2	73.9	55.4	67.3	64.7	67.3	55.4	73.9	126.7
67.5°	198.0	188.8	70.0	43.6	54.1	50.2	54.1	44.9	64.7	118.8
70°	103.0	109.6	70.0	34.3	40.9	40.9	39.6	34.3	54.1	87.1
72.5°	59.4	60.7	54.1	26.4	31.7	34.3	30.4	26.4	39.6	64.7
75°	33.0	37.0	34.3	19.8	23.8	26.4	22.4	19.8	27.7	46.2
77.5°	19.8	22.4	19.8	13.2	15.8	14.5	15.8	13.2	18.5	30.4
80°	10.6	10.6	10.6	7.9	7.9	9.2	9.2	7.9	10.6	15.8
82.5°	4.0	4.0	4.0	2.6	4.0	4.0	4.0	5.3	5.3	6.6
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
151467.9
146595.5
130840.4
107355.0
79783.9
53220.1
31982.7
18502.2
10102.5
5855.8
3793.9
1857.3
1152.4
813.2
640.2
534.6
463.3
359.1
279.9
249.5
264.0
365.7
336.6
297.0
274.6
257.4
237.6
203.3
176.9
155.8
139.9
130.7
126.7
117.5
85.8
63.4
40.9
22.4
13.2
6.6
1.3
1.3
0.0

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