

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: P525268

Luminaire Tested: **IFLD-L-SA8C-927-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525268
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-927-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

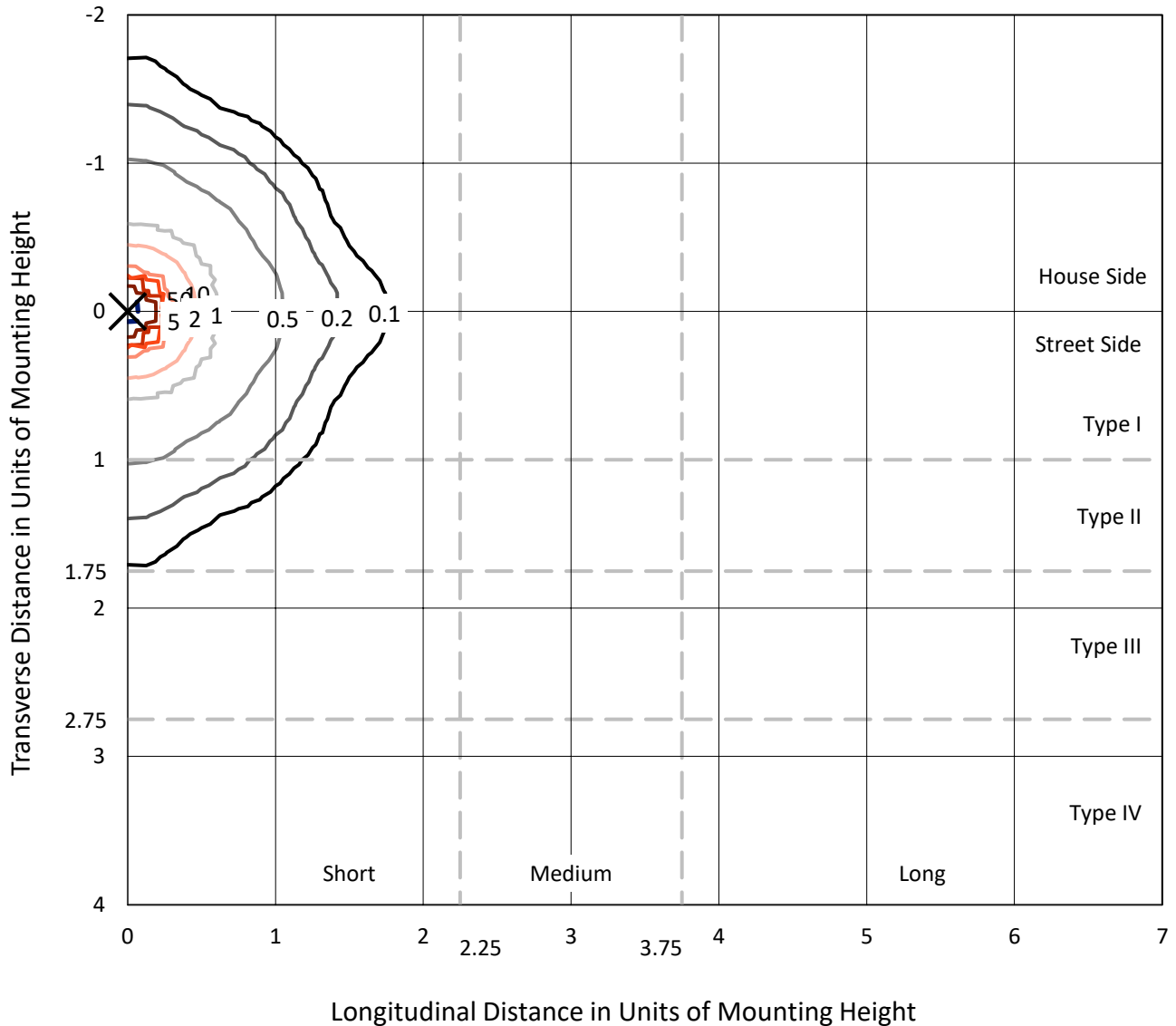
Lumens per Lamp: N/A
Luminaire Lumens: 18206.7 lumens
Efficiency: N/A
Efficacy: 43.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 420.3
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

REPORT NUMBER: P525268
 CATALOG NUMBER: IFLD-L-SA8C-927-U-11

Iso-Footcandle Lines of Horizontal Illumination

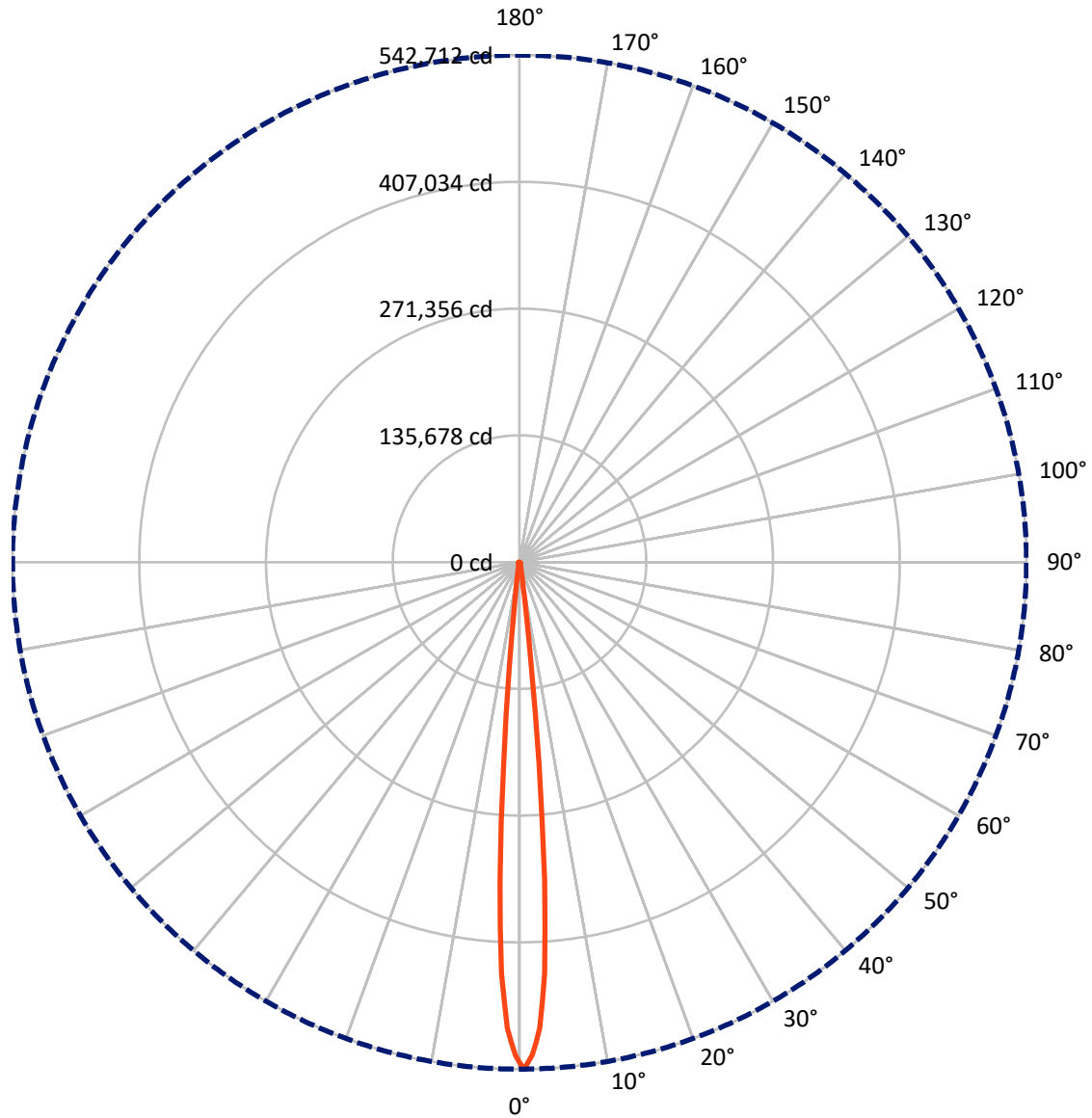
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 868.3 fc
 Type V - Short - N/A

REPORT NUMBER: P525268
CATALOG NUMBER: IFLD-L-SA8C-927-U-11

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P525268
 CATALOG NUMBER: IFLD-L-SA8C-927-U-11

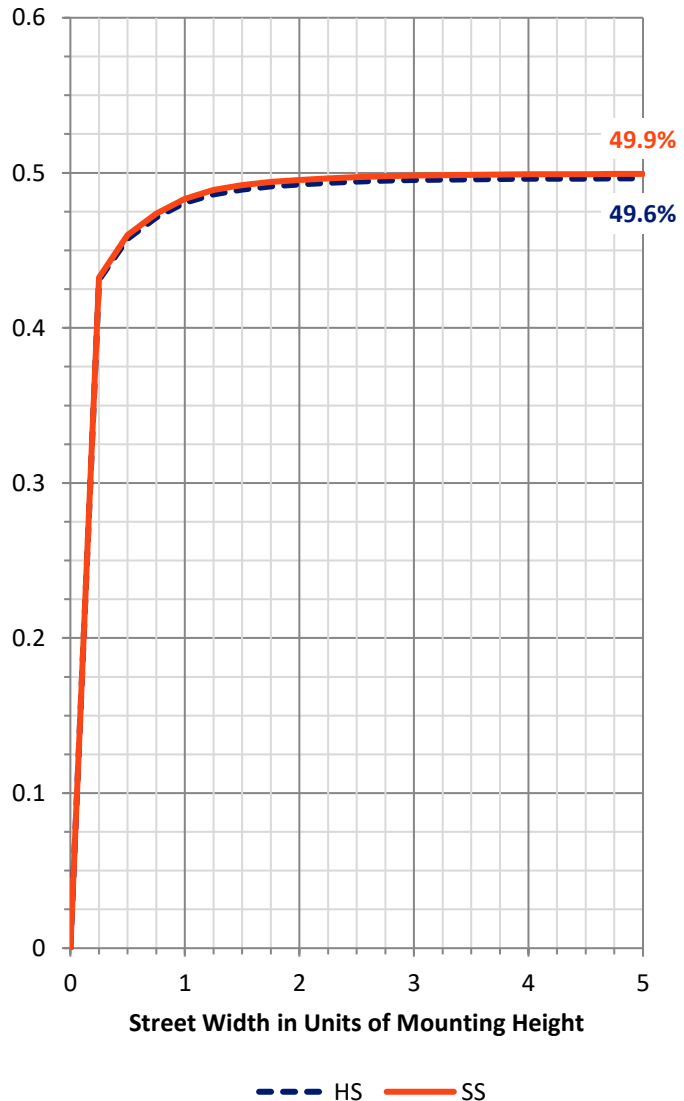
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9103.4	0.0	9103.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9103.4	0.0	9103.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	18206.7	0.0	18206.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13982.7	76.8
10°-20°	1363.8	7.5
20°-30°	728.6	4.0
30°-40°	600.9	3.3
40°-50°	669.1	3.7
50°-60°	450.0	2.5
60°-70°	287.1	1.6
70°-80°	113.4	0.6
80°-90°	11.1	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°	18206.7	100.0
0°-180°	18206.7	100.0

Coefficient of Utilization



REPORT NUMBER: P525268

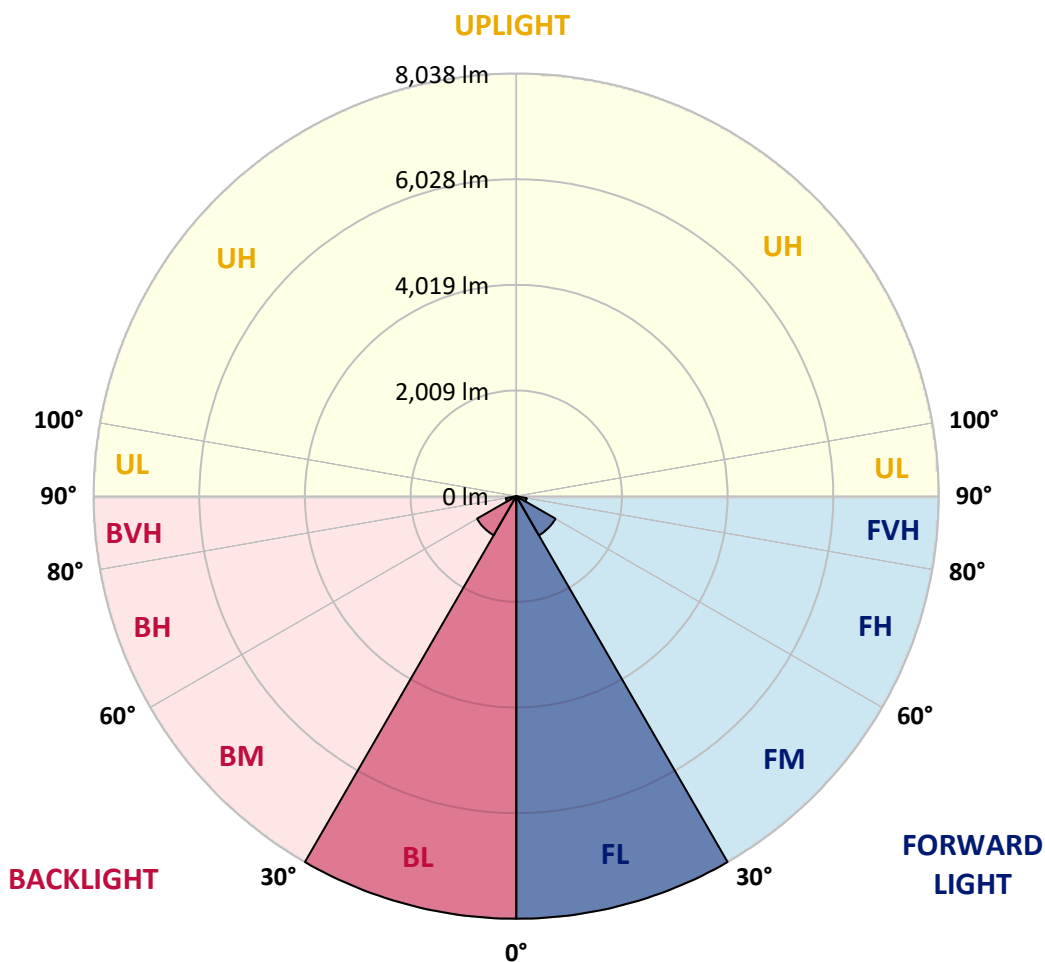
CATALOG NUMBER: IFLD-L-SA8C-927-U-11

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8037.6	44.1			
FM (30°-60°)	860.0	4.7			
FH (60°-80°)	200.2	1.1			G0/660
FVH (80°-90°)	5.5	0.0			G0/10
BL (0°-30°)	8037.6	44.1	B5		
BM (30°-60°)	860.0	4.7	B1/1000		
BH (60°-80°)	200.2	1.1	B1/500		G0/660
BVH (80°-90°)	5.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





REPORT NUMBER: P525268
 CATALOG NUMBER: IFLD-L-SA8C-927-U-11

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	542711.9	542711.9	542711.9	542711.9	542711.9	542711.9	542711.9	542711.9	542711.9	542711.9
1°	527628.5	528546.1	528711.6	527619.0	524833.1	525490.6	525405.4	525552.1	525277.7	523537.2
2°	499060.2	500417.7	498989.3	495924.3	489576.9	488063.3	483007.1	477364.4	471357.5	465336.4
3°	440745.9	443602.8	441564.2	444837.3	431962.6	430661.9	420029.2	406009.9	391801.5	380289.0
4°	341726.6	347005.1	347705.1	358508.1	347932.2	351238.3	339092.1	319614.6	298358.7	282097.5
5°	217823.6	225183.2	229336.0	239467.4	244339.1	257024.5	251107.5	231559.1	206997.0	188290.4
6°	110058.8	114065.0	125222.7	136361.4	148800.9	165634.5	167914.2	150754.4	131205.9	113251.4
7°	51304.6	52960.1	60830.5	63204.9	77427.6	95689.5	98243.6	88836.0	78524.9	64609.7
8°	26510.8	27154.0	30029.8	31794.0	40090.2	50595.2	52387.8	46466.0	42247.0	35246.8
9°	16327.4	16611.2	17689.6	18086.9	21189.7	25862.8	26496.6	24018.2	22873.5	20456.6
10°	11323.3	11474.6	11980.7	12084.8	13120.6	14657.8	14714.5	13901.0	13919.9	13314.5
12.5°	6035.3	6082.6	6224.5	6238.7	6437.3	6598.1	6560.3	6565.0	6645.4	6565.0
15°	3859.6	3883.2	3968.3	3987.3	4091.3	4148.1	4119.7	4115.0	4143.3	4091.3
17.5°	2752.8	2767.0	2828.4	2880.5	2946.7	2965.6	2956.2	2946.7	2946.7	2899.4
20°	2147.3	2166.3	2208.8	2260.9	2294.0	2327.1	2331.8	2327.1	2312.9	2289.2
22.5°	1825.7	1835.2	1849.4	1873.0	1896.7	1910.9	1920.3	1925.0	1920.3	1910.9
25°	1589.2	1598.7	1627.1	1641.3	1641.3	1646.0	1664.9	1674.4	1679.1	1660.2
27.5°	1173.0	1196.7	1239.2	1262.9	1262.9	1272.3	1286.5	1305.4	1324.4	1291.2
30°	908.1	927.0	974.3	974.3	969.6	979.1	993.3	1021.6	1050.0	1012.2
32.5°	818.3	818.3	827.7	832.5	832.5	846.6	856.1	879.8	903.4	893.9
35°	856.1	832.5	804.1	804.1	813.5	841.9	846.6	870.3	893.9	927.0
37.5°	1243.9	1173.0	1068.9	1050.0	1050.0	1083.1	1068.9	1083.1	1125.7	1248.7
40°	1130.4	1073.7	1012.2	927.0	927.0	974.3	941.2	960.2	1059.5	1135.2
42.5°	1007.5	1007.5	941.2	860.8	860.8	884.5	875.0	884.5	998.0	1059.5
45°	931.8	931.8	912.9	785.2	804.1	818.3	818.3	818.3	969.6	988.5
47.5°	889.2	889.2	841.9	723.7	747.3	752.0	761.5	752.0	870.3	936.5
50°	794.6	804.1	723.7	638.5	666.9	666.9	681.1	662.2	752.0	860.8
52.5°	685.8	695.3	572.3	506.1	539.2	534.5	553.4	525.0	596.0	747.3
55°	610.2	605.4	473.0	411.5	449.3	444.6	454.1	421.0	482.4	643.3
57.5°	529.7	539.2	387.8	335.8	378.4	368.9	383.1	345.3	397.3	572.3
60°	468.3	482.4	331.1	283.8	326.4	316.9	331.1	288.5	340.5	515.6
62.5°	449.3	449.3	293.3	241.2	283.8	274.3	283.8	241.2	302.7	473.0
65°	534.5	506.1	264.9	198.7	241.2	231.8	241.2	198.7	264.9	454.1
67.5°	709.5	676.4	250.7	156.1	193.9	179.7	193.9	160.8	231.8	425.7
70°	368.9	392.6	250.7	123.0	146.6	146.6	141.9	123.0	193.9	312.2
72.5°	212.8	217.6	193.9	94.6	113.5	123.0	108.8	94.6	141.9	231.8
75°	118.2	132.4	123.0	70.9	85.1	94.6	80.4	70.9	99.3	165.5
77.5°	70.9	80.4	70.9	47.3	56.8	52.0	56.8	47.3	66.2	108.8
80°	37.8	37.8	37.8	28.4	28.4	33.1	33.1	28.4	37.8	56.8
82.5°	14.2	14.2	14.2	9.5	14.2	14.2	14.2	18.9	18.9	23.6
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
542711.9
525254.1
468803.4
384654.7
285867.1
190688.5
114594.7
66293.5
36197.5
20981.6
13593.6
6654.9
4129.2
2913.6
2294.0
1915.6
1660.2
1286.5
1002.7
893.9
946.0
1310.2
1206.1
1064.2
983.8
922.3
851.4
728.4
633.8
558.1
501.4
468.3
454.1
421.0
307.4
227.0
146.6
80.4
47.3
23.6
4.7
4.7
0.0

OF REPORT)