

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: P479860

Luminaire Tested: **IFLD-L-SA7C-827-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479860
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-827-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (112) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

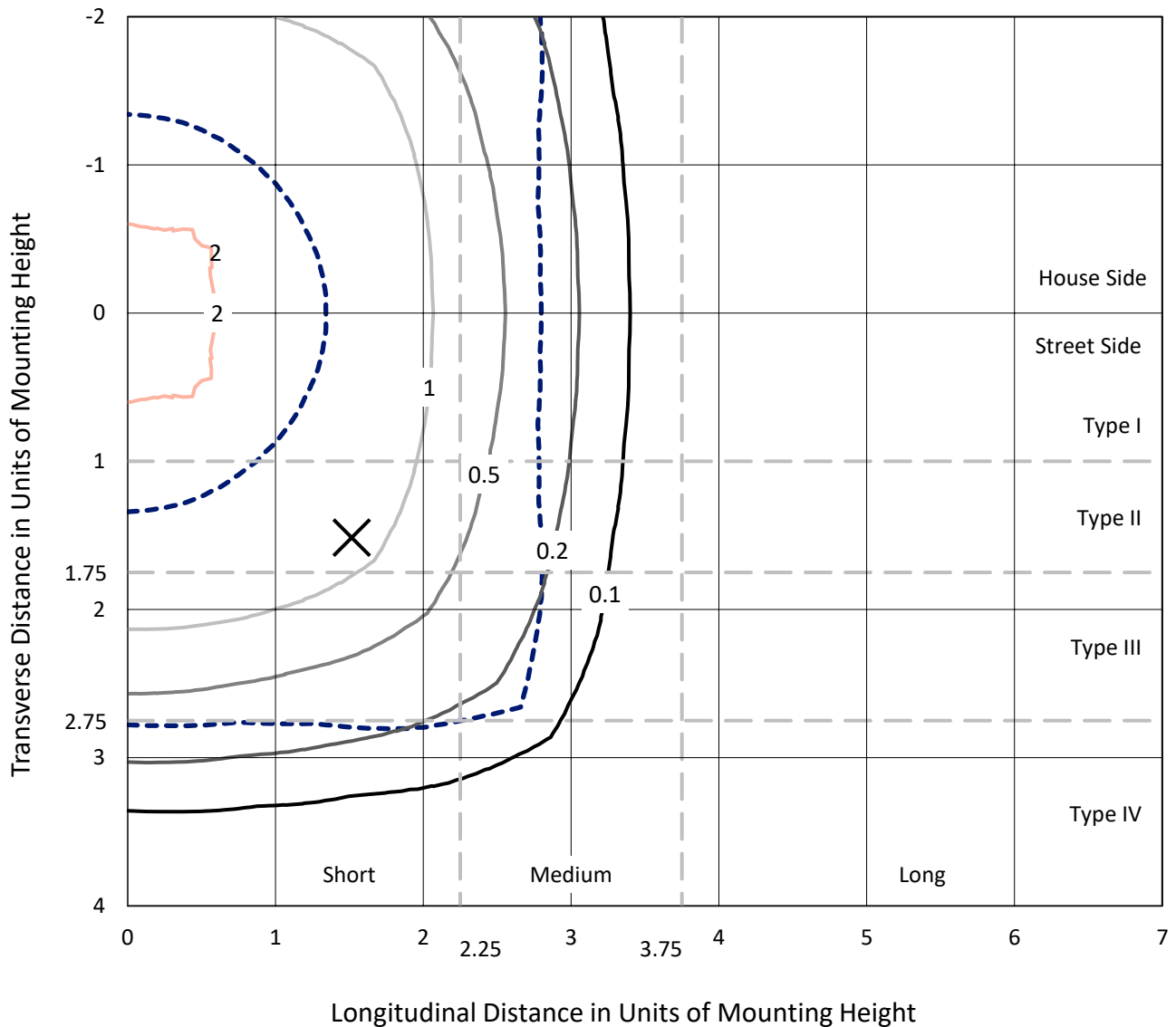
Lumens per Lamp: N/A
Luminaire Lumens: 33441.1 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 369
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: P479860
 CATALOG NUMBER: IFLD-L-SA7C-827-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

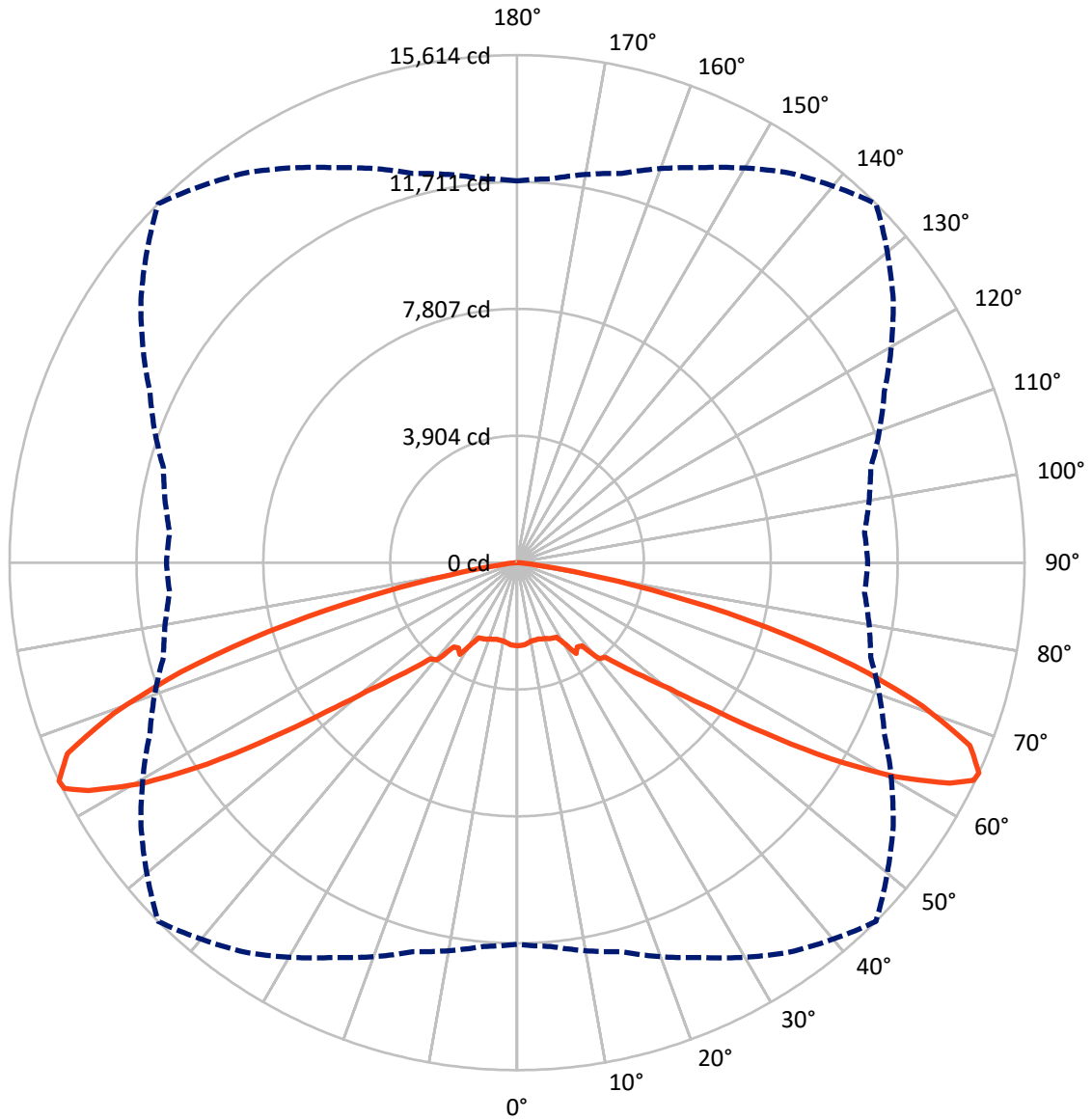
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

REPORT NUMBER: P479860
CATALOG NUMBER: IFLD-L-SA7C-827-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P479860

CATALOG NUMBER: IFLD-L-SA7C-827-U-5WQ

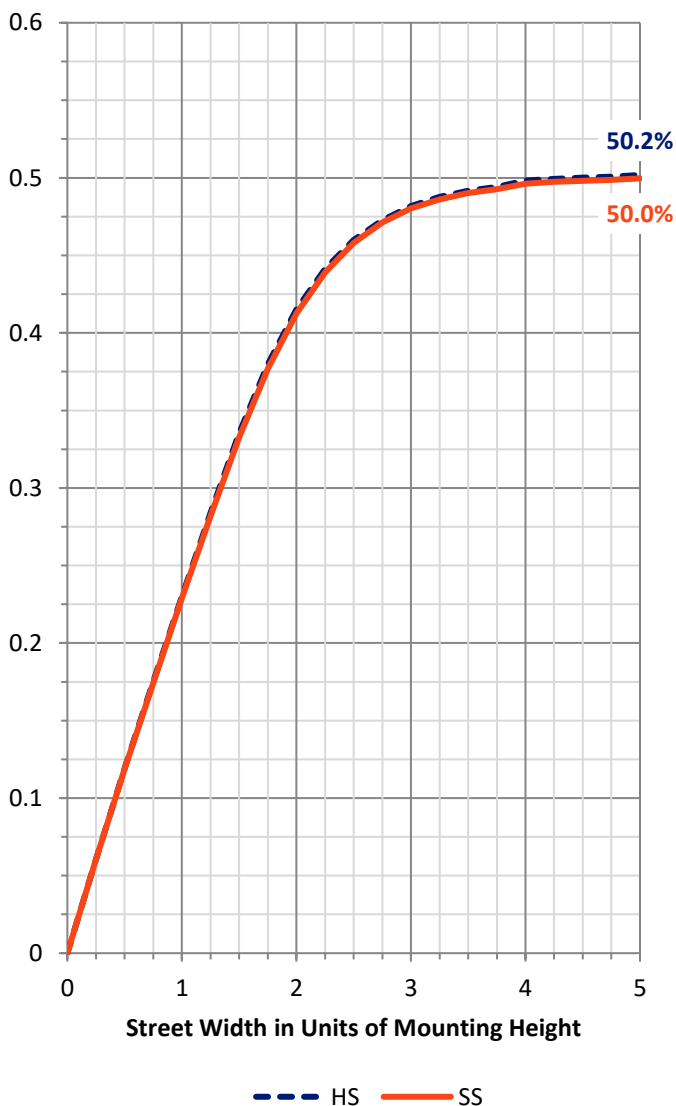
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16720.6	0.0	16720.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16720.6	0.0	16720.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	33441.1	0.0	33441.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.9	0.7
10°-20°	704.8	2.1
20°-30°	1220.0	3.6
30°-40°	2028.6	6.1
40°-50°	3659.8	10.9
50°-60°	8152.9	24.4
60°-70°	12150.4	36.3
70°-80°	5035.3	15.1
80°-90°	249.4	0.7
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°	33441.1	100.0
0°-180°	33441.1	100.0

Coefficient of Utilization



REPORT NUMBER: P479860

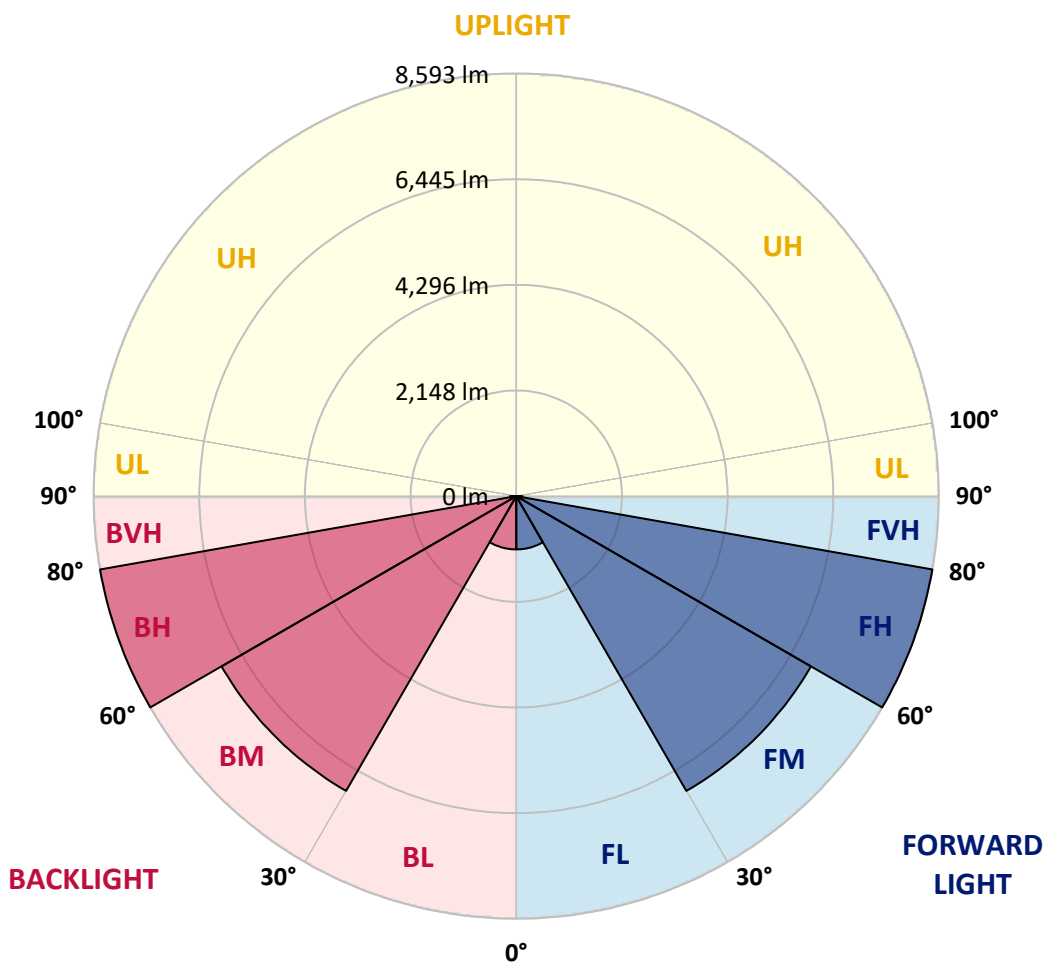
CATALOG NUMBER: IFLD-L-SA7C-827-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1082.4	3.2			
FM (30°-60°)	6920.6	20.7			
FH (60°-80°)	8592.9	25.7			G4/12000
FVH (80°-90°)	124.7	0.4			G2/225
BL (0°-30°)	1082.4	3.2	B3/2500		
BM (30°-60°)	6920.6	20.7	B4/8500		
BH (60°-80°)	8592.9	25.7	B5		G4/12000
BVH (80°-90°)	124.7	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





REPORT NUMBER: P479860
 CATALOG NUMBER: IFLD-L-SA7C-827-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2556.8	2556.8	2556.8	2556.8	2556.8	2556.8	2556.8	2556.8	2556.8	2556.8	2556.8
2.5°	2527.2	2534.6	2530.9	2530.9	2542.0	2549.4	2553.1	2590.0	2575.3	2586.3	2575.3
5°	2534.6	2534.6	2542.0	2534.6	2542.0	2534.6	2542.0	2530.9	2542.0	2549.4	2560.5
7.5°	2519.8	2512.4	2501.4	2501.4	2497.7	2490.3	2479.2	2508.7	2494.0	2505.1	2523.5
10°	2523.5	2512.4	2475.5	2482.9	2449.6	2449.6	2457.0	2457.0	2490.3	2527.2	2538.3
12.5°	2523.5	2501.4	2490.3	2442.2	2442.2	2445.9	2464.4	2471.8	2494.0	2508.7	2545.7
15°	2523.5	2512.4	2494.0	2431.2	2445.9	2438.5	2457.0	2457.0	2505.1	2530.9	2549.4
17.5°	2538.3	2545.7	2512.4	2453.3	2457.0	2471.8	2460.7	2471.8	2530.9	2549.4	2575.3
20°	2542.0	2512.4	2501.4	2464.4	2497.7	2490.3	2486.6	2508.7	2527.2	2560.5	2590.0
22.5°	2534.6	2545.7	2501.4	2497.7	2527.2	2542.0	2549.4	2523.5	2545.7	2567.9	2593.7
25°	2597.4	2556.8	2545.7	2538.3	2553.1	2567.9	2560.5	2582.6	2582.6	2608.5	2641.8
27.5°	2767.4	2771.1	2748.9	2660.2	2630.7	2597.4	2612.2	2671.3	2741.5	2796.9	2808.0
30°	2845.0	2859.7	2918.9	2904.1	2893.0	2904.1	2900.4	2915.2	2922.6	2926.3	2915.2
32.5°	2915.2	2907.8	2881.9	2948.4	3166.4	3332.7	3173.8	2955.8	2907.8	2893.0	2907.8
35°	3170.1	3170.1	3114.7	3029.7	3144.2	3184.9	3111.0	3007.5	3066.7	3188.6	3196.0
37.5°	3498.9	3450.9	3473.1	3462.0	3336.4	3247.7	3377.0	3443.5	3454.6	3450.9	3487.9
40°	3694.8	3661.5	3628.3	3687.4	3801.9	3883.2	3768.7	3609.8	3650.4	3731.7	3698.5
42.5°	4141.8	4056.9	4064.2	4005.1	4001.4	3975.6	3949.7	3960.8	4019.9	4112.3	4127.1
45°	4600.0	4640.6	4614.8	4503.9	4555.6	4555.6	4481.8	4537.2	4566.7	4673.9	4688.7
47.5°	5316.8	5298.3	5309.4	5209.6	5205.9	5231.8	5205.9	5209.6	5302.0	5294.6	5254.0
50°	6155.5	6207.2	6222.0	6174.0	6114.8	6103.8	6063.1	6114.8	6170.3	6174.0	6140.7
52.5°	7315.6	7371.1	7371.1	7385.8	7459.7	7422.8	7415.4	7419.1	7311.9	7238.0	7275.0
55°	8778.8	8797.2	8860.0	8989.4	9214.7	9244.3	9103.9	9041.1	8845.3	8727.0	8819.4
57.5°	10223.4	10297.3	10471.0	10807.2	11084.3	11387.3	10980.8	10567.0	10182.8	9994.3	10027.6
60°	11424.2	11531.4	11863.9	12333.1	13101.6	13378.7	12691.5	11982.1	11202.5	10626.1	10858.9
62.5°	11989.5	12155.8	12436.6	13386.1	14538.9	14937.9	13929.3	12639.8	11457.5	10903.3	10892.2
64°	11993.2	12019.1	12580.7	13604.1	14790.1	15562.4	14228.5	12639.8	11520.3	10836.7	10962.4
65°	11745.7	11852.8	12395.9	13404.6	14631.3	15614.1	14125.1	12466.1	11261.6	10729.6	10788.7
67.5°	10622.5	10618.8	11121.2	12122.5	13825.8	15026.6	13245.7	11494.4	10622.5	10046.1	10116.3
70°	8058.3	8187.6	8667.9	9898.3	11963.6	13249.4	11583.1	9769.0	8682.7	8220.9	8195.0
72.5°	4821.7	4991.6	5605.0	7105.0	9292.3	10855.2	9192.6	7227.0	5919.0	5187.5	5205.9
75°	2198.4	2324.0	2745.2	3968.2	6192.4	7936.4	6229.4	4178.8	2996.5	2530.9	2464.4
77.5°	617.0	694.6	927.4	1821.5	3399.2	4758.9	3495.2	2013.6	1307.9	1086.3	1064.1
80°	277.1	291.9	328.8	443.4	1078.9	2098.6	1444.7	739.0	491.4	406.4	388.0
82.5°	151.5	162.6	214.3	229.1	306.7	557.9	476.6	347.3	295.6	236.5	229.1
85°	85.0	88.7	121.9	121.9	147.8	162.6	173.7	184.7	181.0	133.0	129.3
87.5°	25.9	29.6	36.9	36.9	36.9	36.9	59.1	81.3	88.7	62.8	62.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)