

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: P479591

Luminaire Tested: **IFLD-L-SA8B-722-U-5WQ**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P479591  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-722-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (128) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

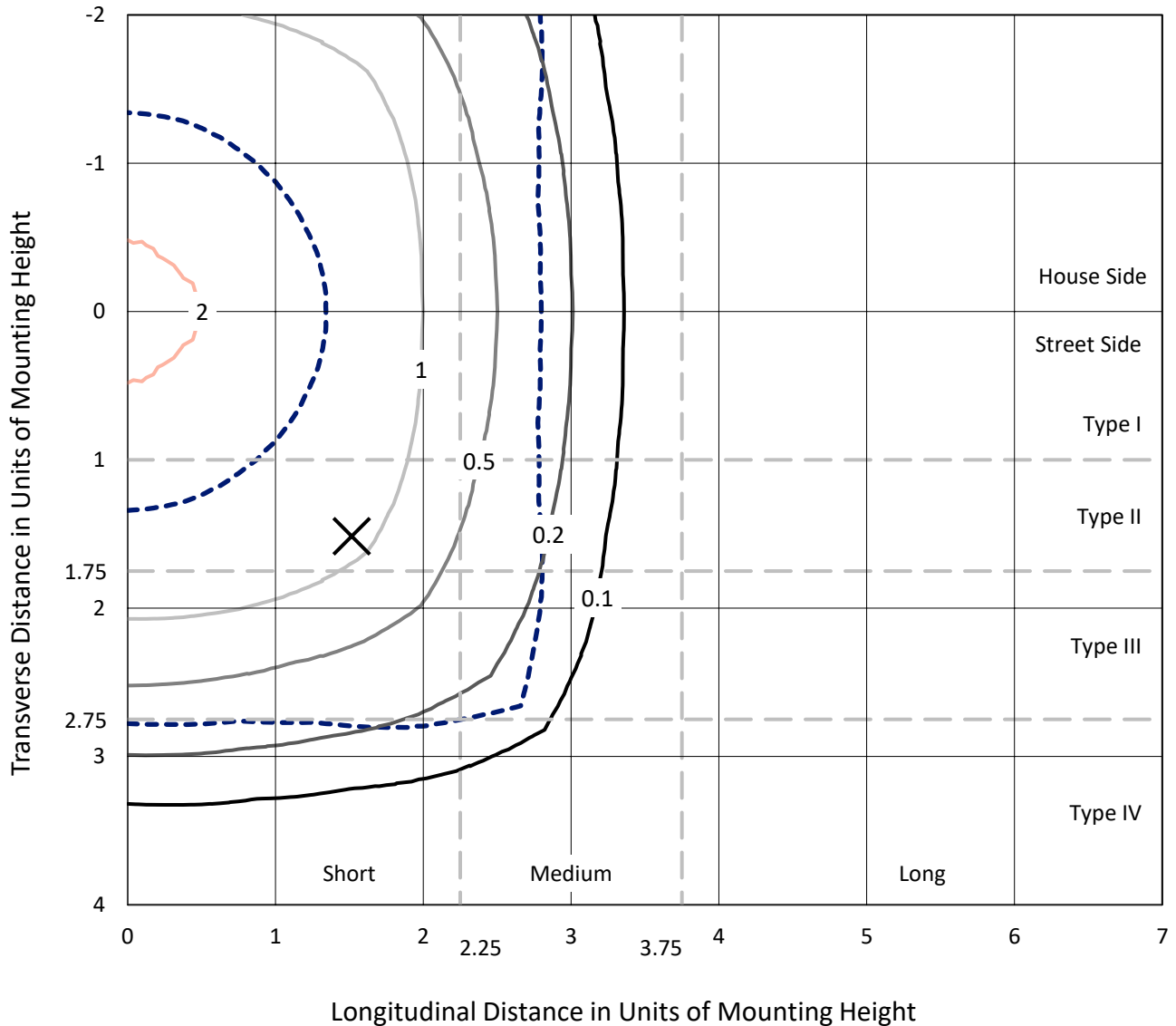
Lumens per Lamp: N/A  
Luminaire Lumens: 30763.8 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 320  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P479591  
 CATALOG NUMBER: IFLD-L-SA8B-722-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

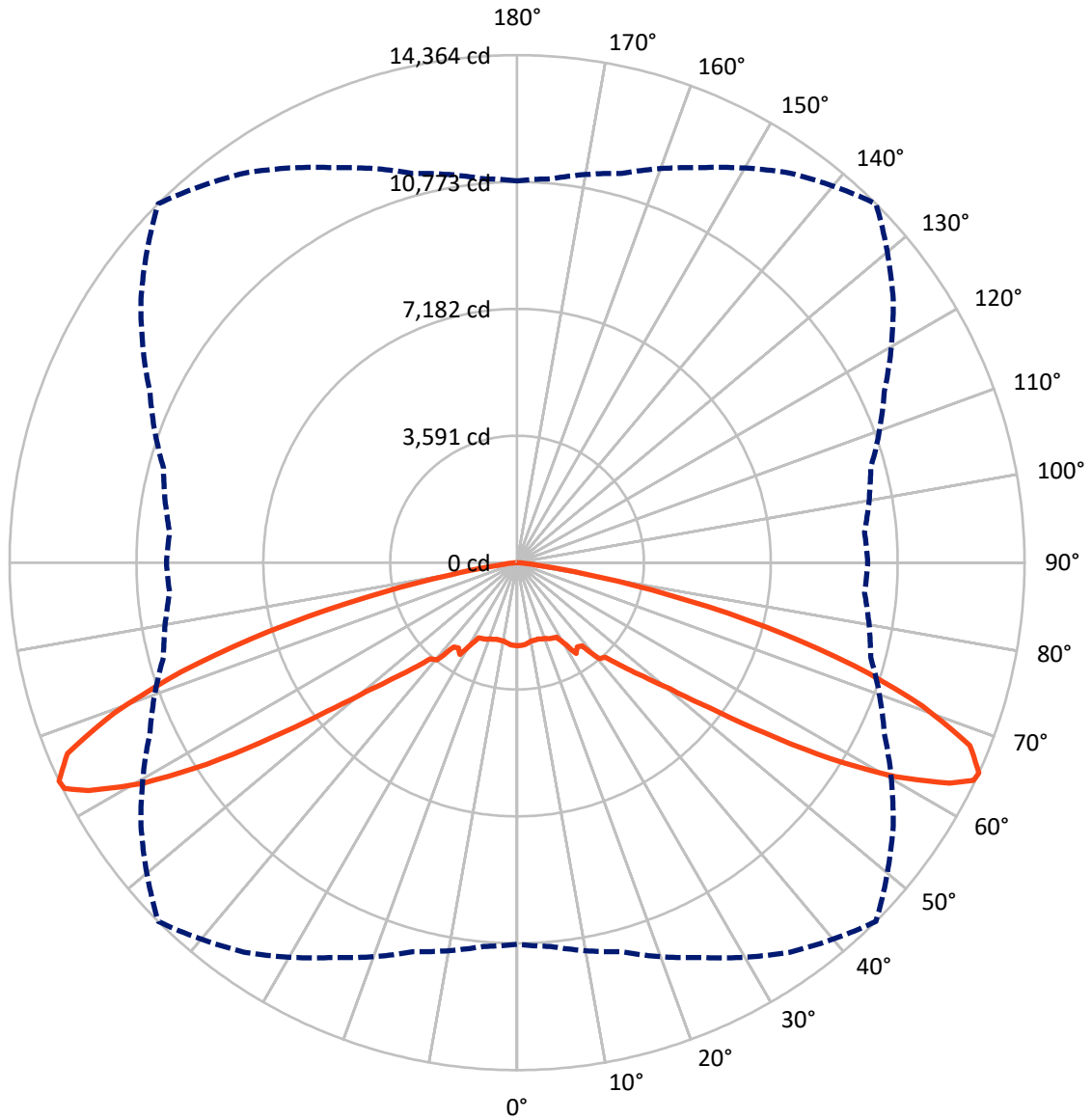
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P479591  
CATALOG NUMBER: IFLD-L-SA8B-722-U-5WQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P479591  
 CATALOG NUMBER: IFLD-L-SA8B-722-U-5WQ

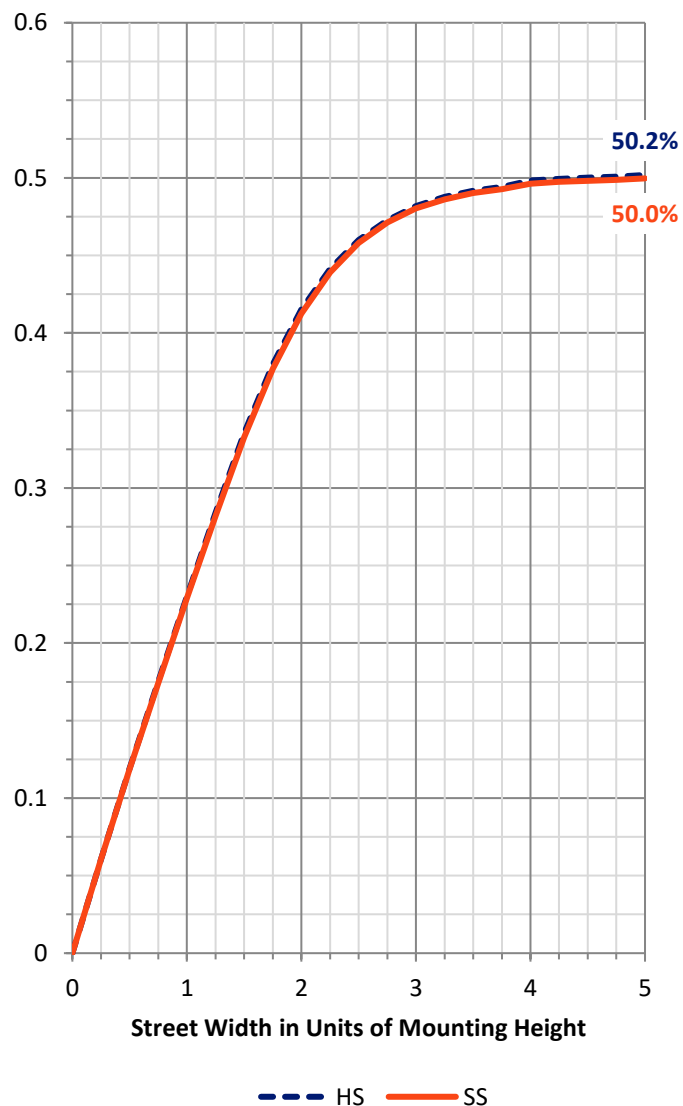
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15381.9	0.0	15381.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15381.9	0.0	15381.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30763.8	0.0	30763.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.7	0.7
10°-20°	648.4	2.1
20°-30°	1122.3	3.6
30°-40°	1866.2	6.1
40°-50°	3366.8	10.9
50°-60°	7500.2	24.4
60°-70°	11177.7	36.3
70°-80°	4632.2	15.1
80°-90°	229.4	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°	30763.8	100.0
0°-180°	30763.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P479591

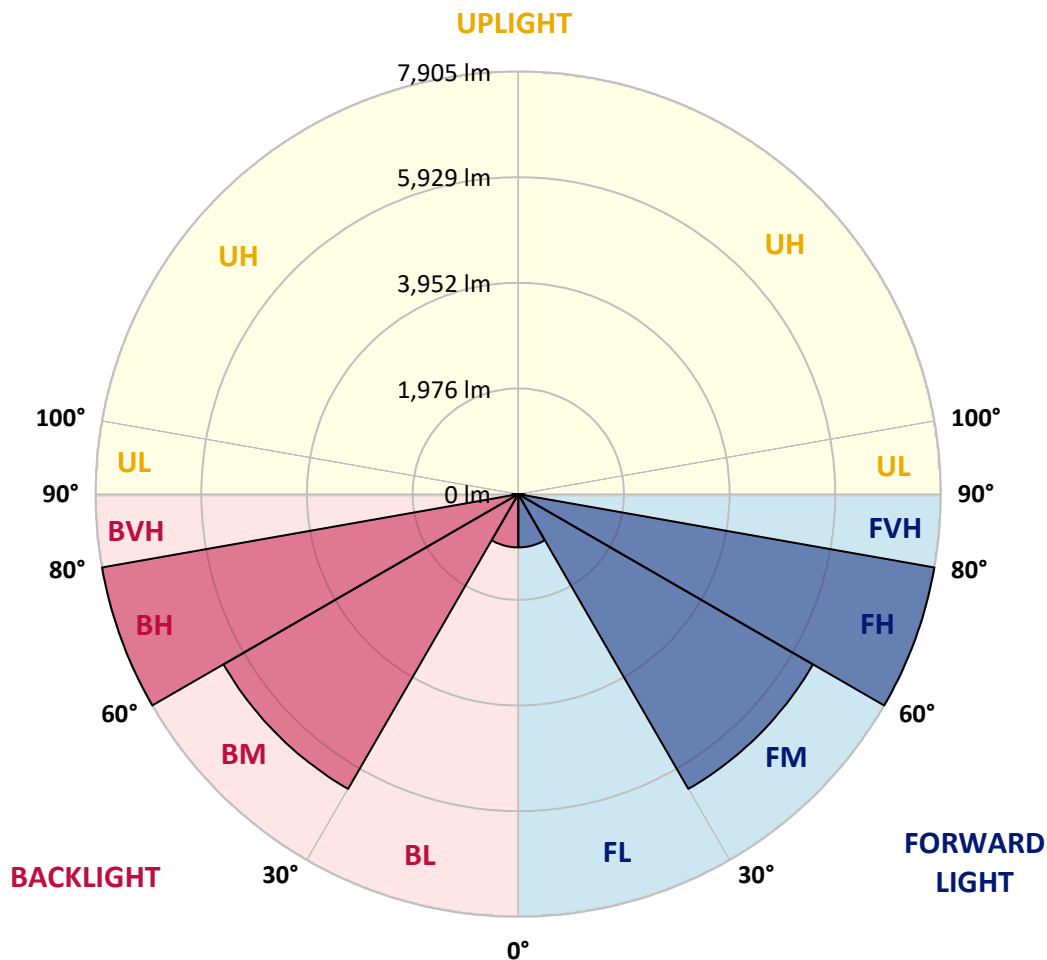
CATALOG NUMBER: IFLD-L-SA8B-722-U-5WQ

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	995.7	3.2			
FM (30°-60°)	6366.6	20.7			
FH (60°-80°)	7904.9	25.7			G4/12000
FVH (80°-90°)	114.7	0.4			G2/225
BL (0°-30°)	995.7	3.2	B2/1000		
BM (30°-60°)	6366.6	20.7	B4/8500		
BH (60°-80°)	7904.9	25.7	B5		G4/12000
BVH (80°-90°)	114.7	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: P479591  
 CATALOG NUMBER: IFLD-L-SA8B-722-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2352.1	2352.1	2352.1	2352.1	2352.1	2352.1	2352.1	2352.1	2352.1	2352.1	2352.1
2.5°	2324.9	2331.7	2328.3	2328.3	2338.5	2345.3	2348.7	2382.7	2369.1	2379.3	2369.1
5°	2331.7	2331.7	2338.5	2331.7	2338.5	2331.7	2338.5	2328.3	2338.5	2345.3	2355.5
7.5°	2318.1	2311.3	2301.1	2301.1	2297.7	2290.9	2280.7	2307.9	2294.3	2304.5	2321.5
10°	2321.5	2311.3	2277.3	2284.1	2253.5	2253.5	2260.3	2260.3	2290.9	2324.9	2335.1
12.5°	2321.5	2301.1	2290.9	2246.7	2246.7	2250.1	2267.1	2273.9	2294.3	2307.9	2341.9
15°	2321.5	2311.3	2294.3	2236.5	2250.1	2243.3	2260.3	2260.3	2304.5	2328.3	2345.3
17.5°	2335.1	2341.9	2311.3	2256.9	2260.3	2273.9	2263.7	2273.9	2328.3	2345.3	2369.1
20°	2338.5	2311.3	2301.1	2267.1	2297.7	2290.9	2287.5	2307.9	2324.9	2355.5	2382.7
22.5°	2331.7	2341.9	2301.1	2297.7	2324.9	2338.5	2345.3	2321.5	2341.9	2362.3	2386.1
25°	2389.5	2352.1	2341.9	2335.1	2348.7	2362.3	2355.5	2375.9	2375.9	2399.7	2430.3
27.5°	2545.8	2549.2	2528.8	2447.3	2420.1	2389.5	2403.1	2457.4	2522.0	2573.0	2583.2
30°	2617.2	2630.8	2685.2	2671.6	2661.4	2671.6	2668.2	2681.8	2688.6	2692.0	2681.8
32.5°	2681.8	2675.0	2651.2	2712.4	2912.9	3065.9	2919.7	2719.2	2675.0	2661.4	2675.0
35°	2916.3	2916.3	2865.3	2787.1	2892.5	2929.9	2861.9	2766.8	2821.1	2933.3	2940.1
37.5°	3218.8	3174.6	3195.0	3184.8	3069.3	2987.7	3106.7	3167.8	3178.0	3174.6	3208.6
40°	3399.0	3368.4	3337.8	3392.2	3497.5	3572.3	3466.9	3320.8	3358.2	3433.0	3402.4
42.5°	3810.2	3732.1	3738.9	3684.5	3681.1	3657.3	3633.5	3643.7	3698.1	3783.0	3796.6
45°	4231.7	4269.1	4245.3	4143.3	4190.9	4190.9	4122.9	4173.9	4201.1	4299.7	4313.3
47.5°	4891.1	4874.1	4884.3	4792.5	4789.1	4812.9	4789.1	4792.5	4877.5	4870.7	4833.3
50°	5662.7	5710.3	5723.9	5679.7	5625.3	5615.1	5577.7	5625.3	5676.3	5679.7	5649.1
52.5°	6729.9	6780.9	6780.9	6794.5	6862.5	6828.5	6821.7	6825.1	6726.5	6658.6	6692.6
55°	8075.9	8092.9	8150.7	8269.7	8477.0	8504.2	8375.0	8317.3	8137.1	8028.3	8113.3
57.5°	9404.9	9472.9	9632.7	9942.0	10196.9	10475.6	10101.7	9721.0	9367.5	9194.2	9224.8
60°	10509.6	10608.2	10914.1	11345.7	12052.7	12307.6	11675.4	11022.8	10305.7	9775.4	9989.6
62.5°	11029.6	11182.6	11440.9	12314.4	13374.9	13742.0	12814.1	11627.9	10540.2	10030.3	10020.1
64°	11033.0	11056.8	11573.5	12515.0	13606.0	14316.4	13089.4	11627.9	10598.0	9969.2	10084.7
65°	10805.3	10903.9	11403.5	12331.4	13459.9	14364.0	12994.2	11468.1	10360.0	9870.6	9925.0
67.5°	9772.0	9768.6	10230.9	11152.0	12718.9	13823.6	12185.3	10574.2	9772.0	9241.8	9306.4
70°	7413.1	7532.1	7974.0	9105.8	11005.8	12188.7	10655.7	8986.9	7987.6	7562.7	7538.9
72.5°	4435.6	4592.0	5156.2	6536.2	8548.4	9986.2	8456.6	6648.4	5445.1	4772.1	4789.1
75°	2022.4	2137.9	2525.4	3650.5	5696.7	7301.0	5730.7	3844.2	2756.6	2328.3	2267.1
77.5°	567.6	639.0	853.1	1675.7	3127.0	4377.9	3215.4	1852.4	1203.2	999.3	978.9
80°	254.9	268.5	302.5	407.9	992.5	1930.6	1329.0	679.8	452.1	373.9	356.9
82.5°	139.4	149.6	197.1	210.7	282.1	513.2	438.5	319.5	271.9	217.5	210.7
85°	78.2	81.6	112.2	112.2	136.0	149.6	159.8	169.9	166.5	122.4	119.0
87.5°	23.8	27.2	34.0	34.0	34.0	34.0	54.4	74.8	81.6	57.8	57.8
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)