

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: P479589

Luminaire Tested: **IFLD-L-SA7E-722-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479589  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7E-722-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (112) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

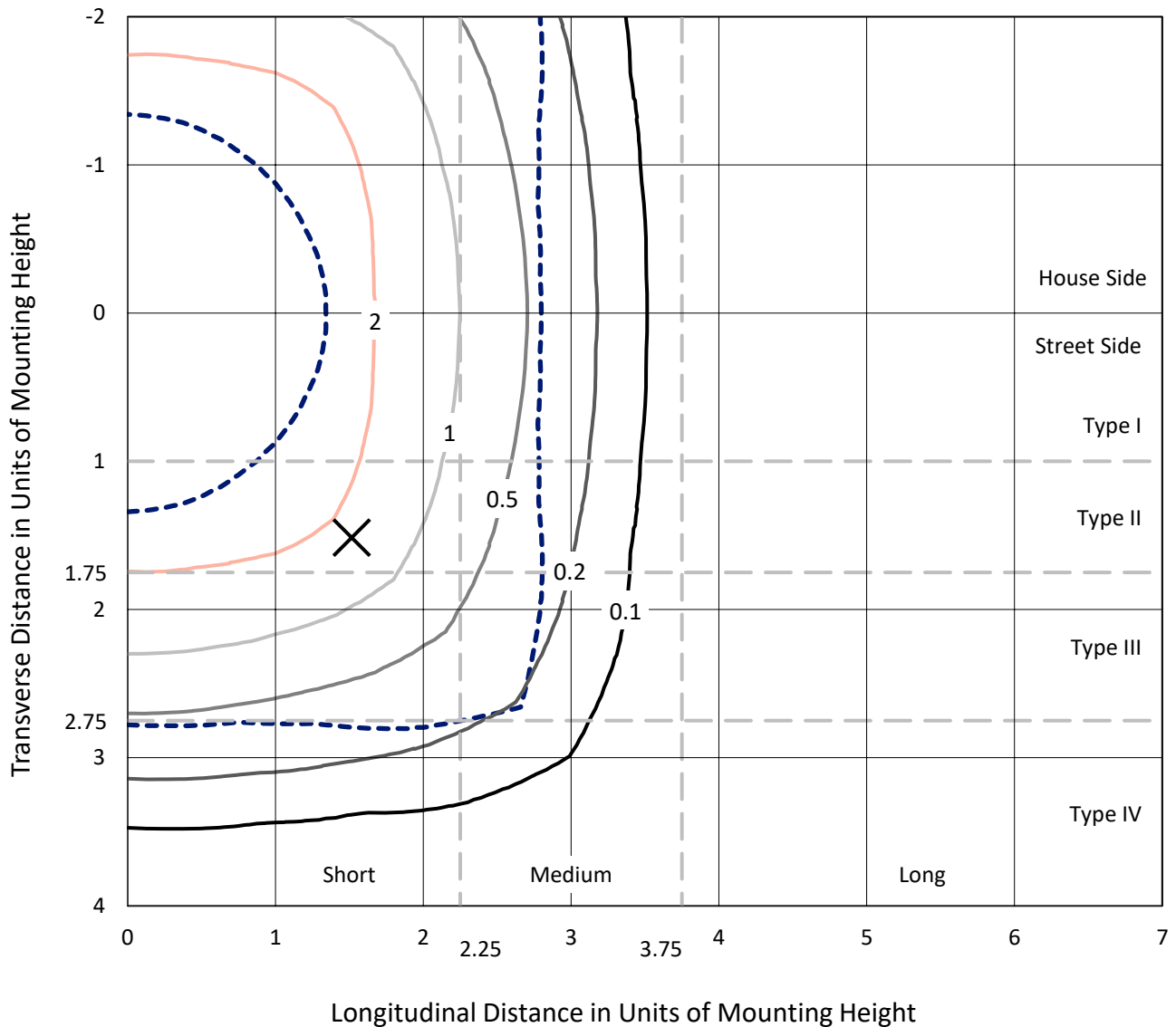
Lumens per Lamp: N/A  
Luminaire Lumens: 42671.2 lumens  
Efficiency: N/A  
Efficacy: 80.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 532.7  
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: P479589  
 CATALOG NUMBER: IFLD-L-SA7E-722-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

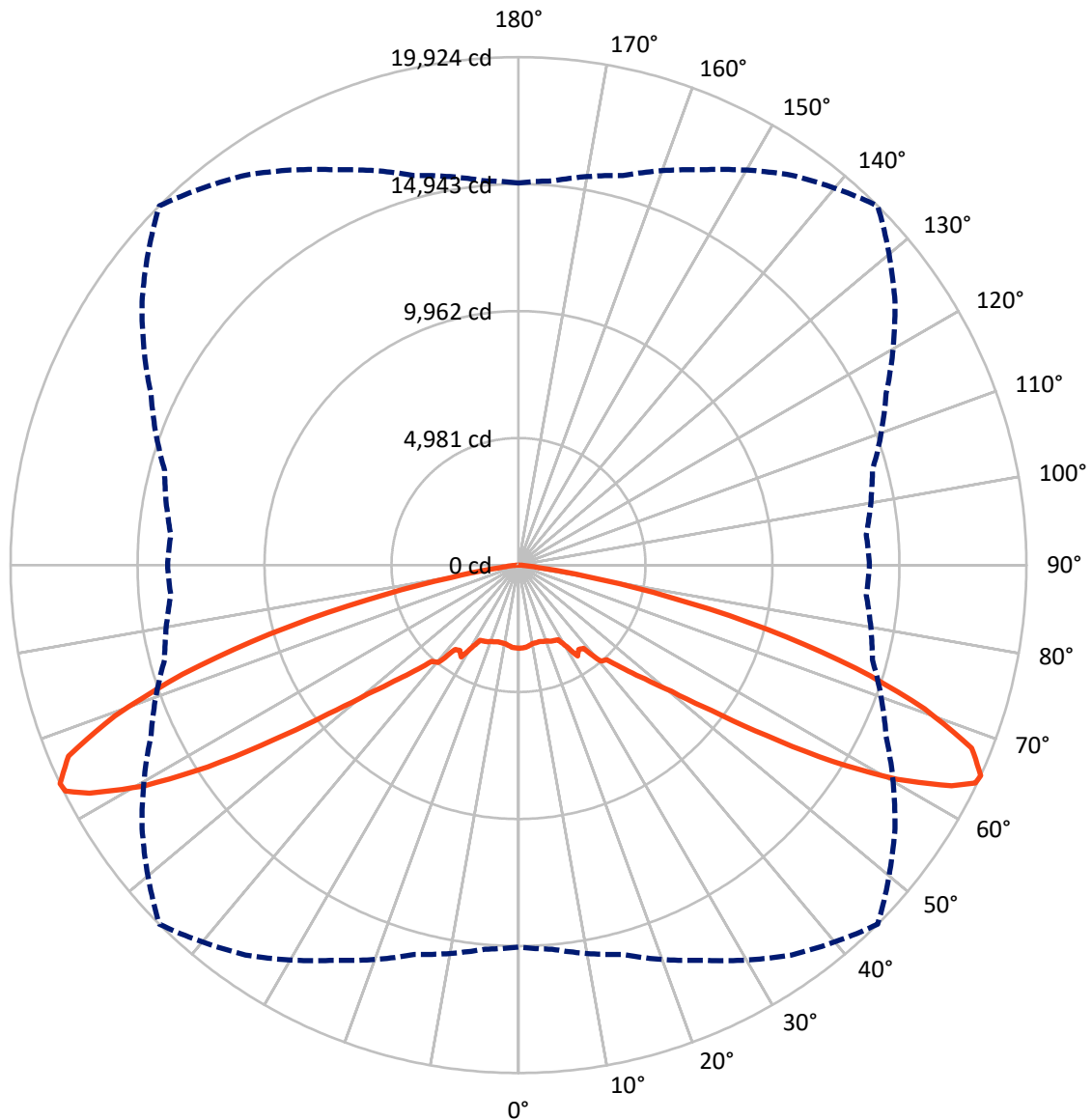
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P479589  
CATALOG NUMBER: IFLD-L-SA7E-722-U-5WQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P479589

CATALOG NUMBER: IFLD-L-SA7E-722-U-5WQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21335.6	0.0	21335.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21335.6	0.0	21335.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	42671.2	0.0	42671.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	306.2	0.7
10°-20°	899.3	2.1
20°-30°	1556.7	3.6
30°-40°	2588.5	6.1
40°-50°	4670.0	10.9
50°-60°	10403.2	24.4
60°-70°	15504.1	36.3
70°-80°	6425.1	15.1
80°-90°	318.2	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°	42671.2	100.0
0°-180°	42671.2	100.0



REPORT NUMBER: P479589

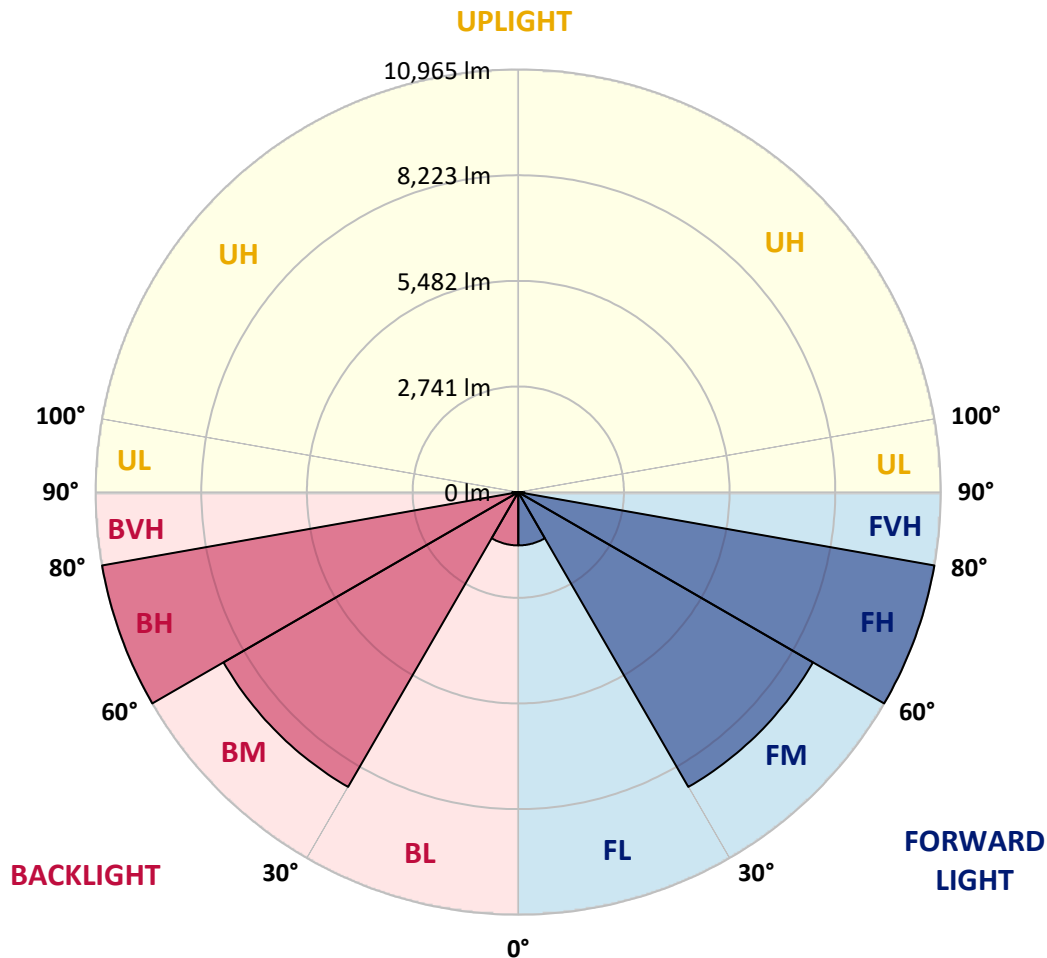
CATALOG NUMBER: IFLD-L-SA7E-722-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1381.1	3.2			
FM (30°-60°)	8830.8	20.7			
FH (60°-80°)	10964.6	25.7			G4/12000
FVH (80°-90°)	159.1	0.4			G2/225
BL (0°-30°)	1381.1	3.2	B3/2500		
BM (30°-60°)	8830.8	20.7	B5		
BH (60°-80°)	10964.6	25.7	B5		G4/12000
BVH (80°-90°)	159.1	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: P479589  
 CATALOG NUMBER: IFLD-L-SA7E-722-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3262.5	3262.5	3262.5	3262.5	3262.5	3262.5	3262.5	3262.5	3262.5	3262.5	3262.5
2.5°	3224.8	3234.2	3229.5	3229.5	3243.6	3253.0	3257.8	3304.9	3286.0	3300.2	3286.0
5°	3234.2	3234.2	3243.6	3234.2	3243.6	3234.2	3243.6	3229.5	3243.6	3253.0	3267.2
7.5°	3215.3	3205.9	3191.8	3191.8	3187.0	3177.6	3163.5	3201.2	3182.3	3196.5	3220.0
10°	3220.0	3205.9	3158.8	3168.2	3125.8	3125.8	3135.2	3135.2	3177.6	3224.8	3238.9
12.5°	3220.0	3191.8	3177.6	3116.3	3116.3	3121.0	3144.6	3154.0	3182.3	3201.2	3248.3
15°	3220.0	3205.9	3182.3	3102.2	3121.0	3111.6	3135.2	3135.2	3196.5	3229.5	3253.0
17.5°	3238.9	3248.3	3205.9	3130.5	3135.2	3154.0	3139.9	3154.0	3229.5	3253.0	3286.0
20°	3243.6	3205.9	3191.8	3144.6	3187.0	3177.6	3172.9	3201.2	3224.8	3267.2	3304.9
22.5°	3234.2	3248.3	3191.8	3187.0	3224.8	3243.6	3253.0	3220.0	3248.3	3276.6	3309.6
25°	3314.3	3262.5	3248.3	3238.9	3257.8	3276.6	3267.2	3295.5	3295.5	3328.5	3370.9
27.5°	3531.2	3535.9	3507.6	3394.5	3356.8	3314.3	3333.2	3408.6	3498.2	3568.9	3583.1
30°	3630.2	3649.1	3724.5	3705.6	3691.5	3705.6	3700.9	3719.8	3729.2	3733.9	3719.8
32.5°	3719.8	3710.4	3677.4	3762.2	4040.4	4252.5	4049.8	3771.6	3710.4	3691.5	3710.4
35°	4045.1	4045.1	3974.4	3865.9	4012.1	4063.9	3969.7	3837.7	3913.1	4068.7	4078.1
37.5°	4464.7	4403.4	4431.7	4417.5	4257.2	4144.1	4309.1	4394.0	4408.1	4403.4	4450.5
40°	4714.6	4672.1	4629.7	4705.1	4851.3	4955.0	4808.8	4606.1	4658.0	4761.7	4719.3
42.5°	5285.0	5176.6	5186.0	5110.6	5105.9	5072.9	5039.9	5054.0	5129.4	5247.3	5266.2
45°	5869.6	5921.5	5888.5	5747.0	5813.1	5813.1	5718.8	5789.5	5827.2	5963.9	5982.8
47.5°	6784.2	6760.7	6774.8	6647.5	6642.8	6675.8	6642.8	6647.5	6765.4	6756.0	6704.1
50°	7854.5	7920.5	7939.3	7878.0	7802.6	7788.5	7736.6	7802.6	7873.3	7878.0	7835.6
52.5°	9334.8	9405.5	9405.5	9424.4	9518.7	9471.5	9462.1	9466.8	9330.1	9235.8	9283.0
55°	11201.8	11225.4	11305.5	11470.5	11758.1	11795.8	11616.7	11536.5	11286.7	11135.8	11253.7
57.5°	13045.2	13139.5	13361.1	13790.1	14143.7	14530.3	14011.7	13483.6	12993.3	12752.9	12795.3
60°	14577.4	14714.1	15138.4	15737.2	16717.8	17071.4	16194.5	15289.3	14294.5	13559.1	13856.1
62.5°	15298.7	15510.9	15869.2	17080.8	18551.8	19061.0	17773.9	16128.5	14619.8	13912.7	13898.5
64°	15303.5	15336.5	16053.1	17359.0	18872.4	19857.7	18155.8	16128.5	14700.0	13827.8	13988.1
65°	14987.6	15124.3	15817.3	17104.4	18669.7	19923.7	18023.8	15906.9	14370.0	13691.1	13766.5
67.5°	13554.4	13549.6	14190.8	15468.5	17641.9	19174.1	16901.7	14667.0	13554.4	12818.9	12908.5
70°	10282.5	10447.5	11060.4	12630.3	15265.7	16906.4	14780.1	12465.3	11079.2	10489.9	10456.9
72.5°	6152.5	6369.4	7152.0	9066.1	11857.1	13851.4	11729.8	9221.7	7552.7	6619.2	6642.8
75°	2805.2	2965.5	3502.9	5063.4	7901.6	10126.9	7948.7	5332.2	3823.5	3229.5	3144.6
77.5°	787.3	886.3	1183.4	2324.3	4337.4	6072.4	4460.0	2569.4	1669.0	1386.1	1357.8
80°	353.6	372.5	419.6	565.7	1376.7	2677.9	1843.4	942.9	627.0	518.6	495.0
82.5°	193.3	207.4	273.4	292.3	391.3	711.9	608.2	443.2	377.2	301.7	292.3
85°	108.4	113.1	155.6	155.6	188.6	207.4	221.6	235.7	231.0	169.7	165.0
87.5°	33.0	37.7	47.1	47.1	47.1	47.1	75.4	103.7	113.1	80.1	80.1
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)