

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: P479670

Luminaire Tested: **IFLD-L-SA8C-730-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479670  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8C-730-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (128) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

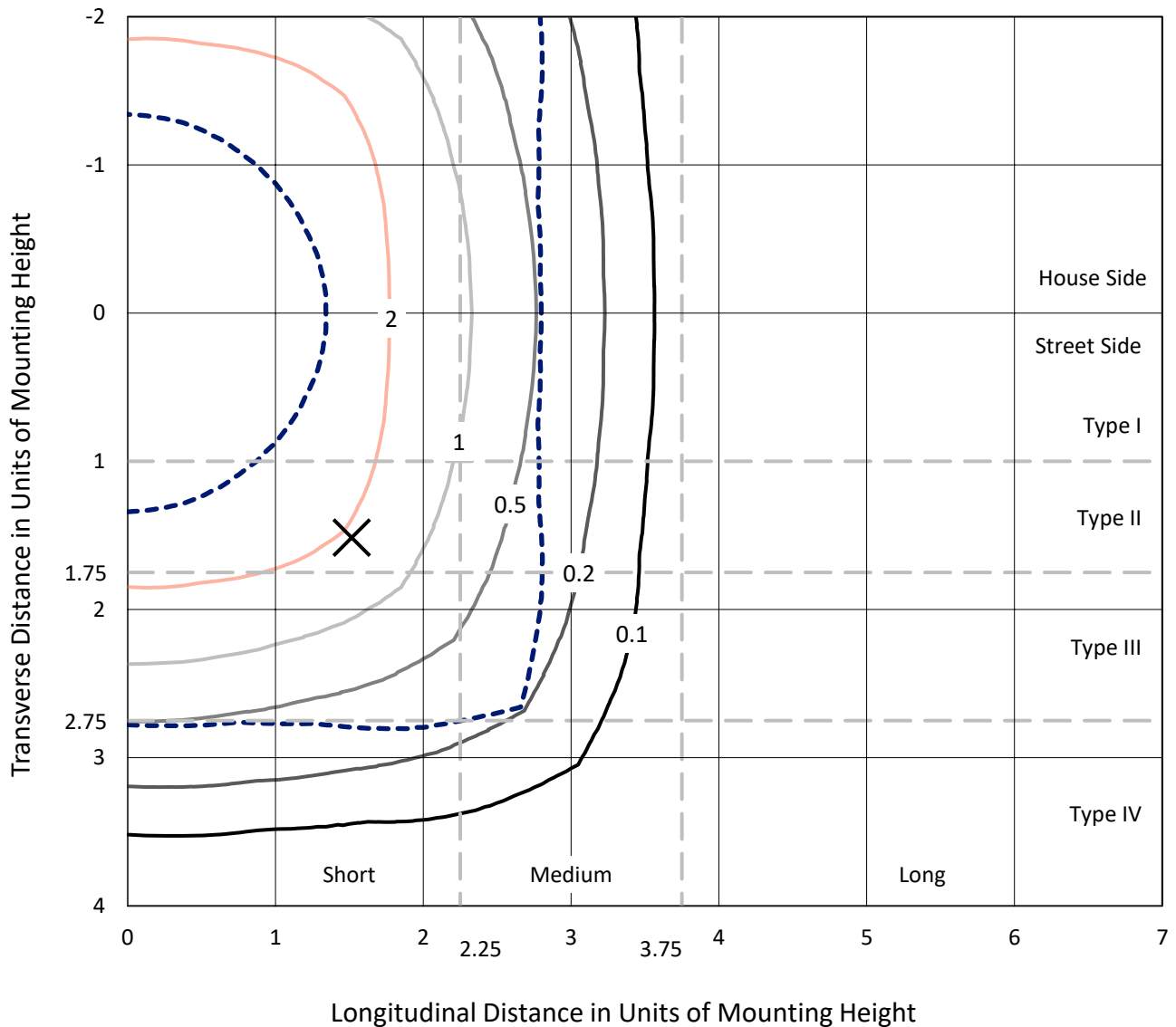
Lumens per Lamp: N/A  
Luminaire Lumens: 47342.9 lumens  
Efficiency: N/A  
Efficacy: 112.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

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: P479670  
 CATALOG NUMBER: IFLD-L-SA8C-730-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

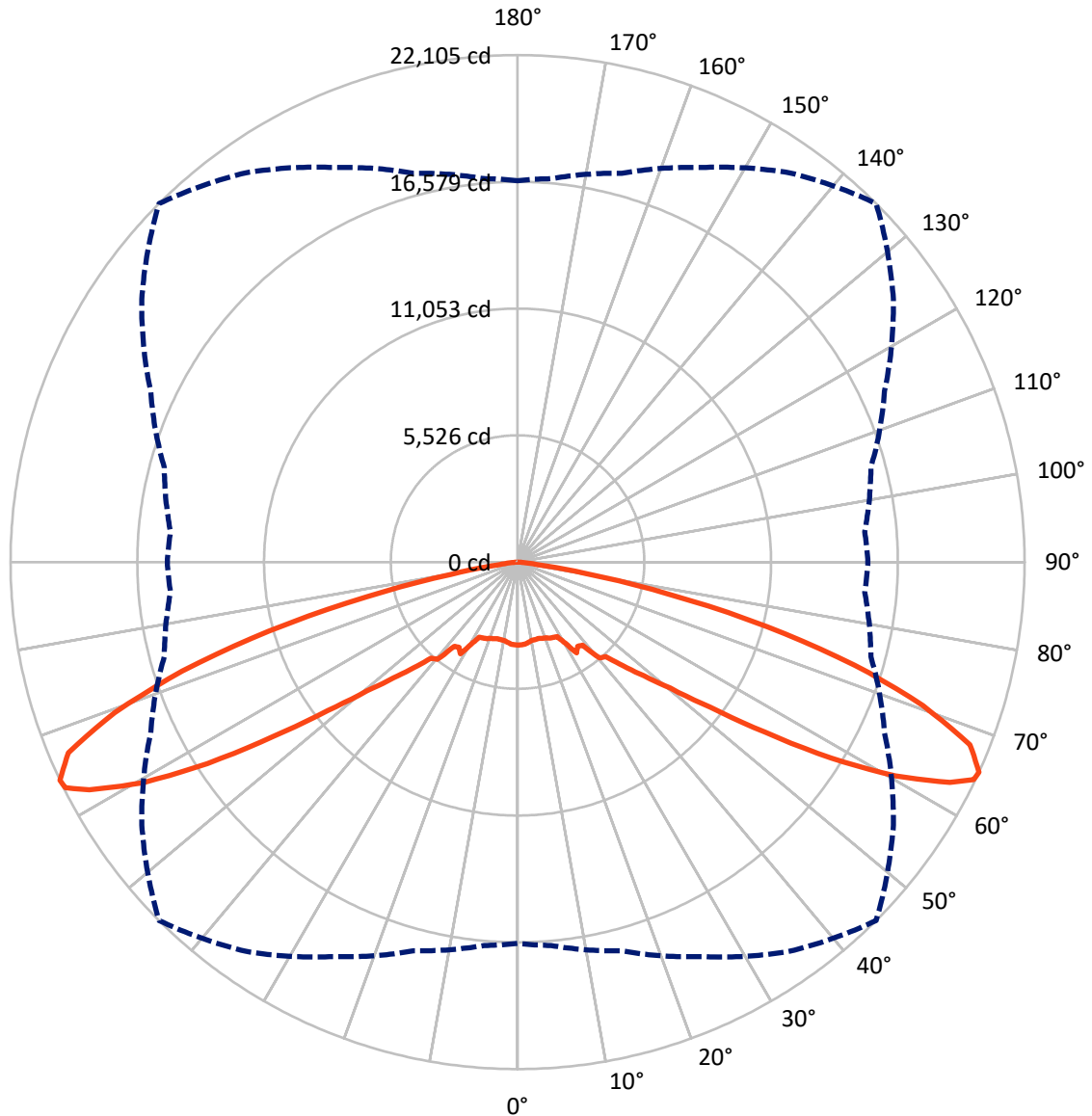
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4 fc  
 Type V - Short - N/A

REPORT NUMBER: P479670  
CATALOG NUMBER: IFLD-L-SA8C-730-U-5WQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P479670

CATALOG NUMBER: IFLD-L-SA8C-730-U-5WQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	23671.5	0.0	23671.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23671.5	0.0	23671.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	47342.9	0.0	47342.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	339.7	0.7
10°-20°	997.8	2.1
20°-30°	1727.1	3.6
30°-40°	2871.9	6.1
40°-50°	5181.3	10.9
50°-60°	11542.1	24.4
60°-70°	17201.5	36.3
70°-80°	7128.5	15.1
80°-90°	353.1	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°	47342.9	100.0
0°-180°	47342.9	100.0

**Coefficient of Utilization**



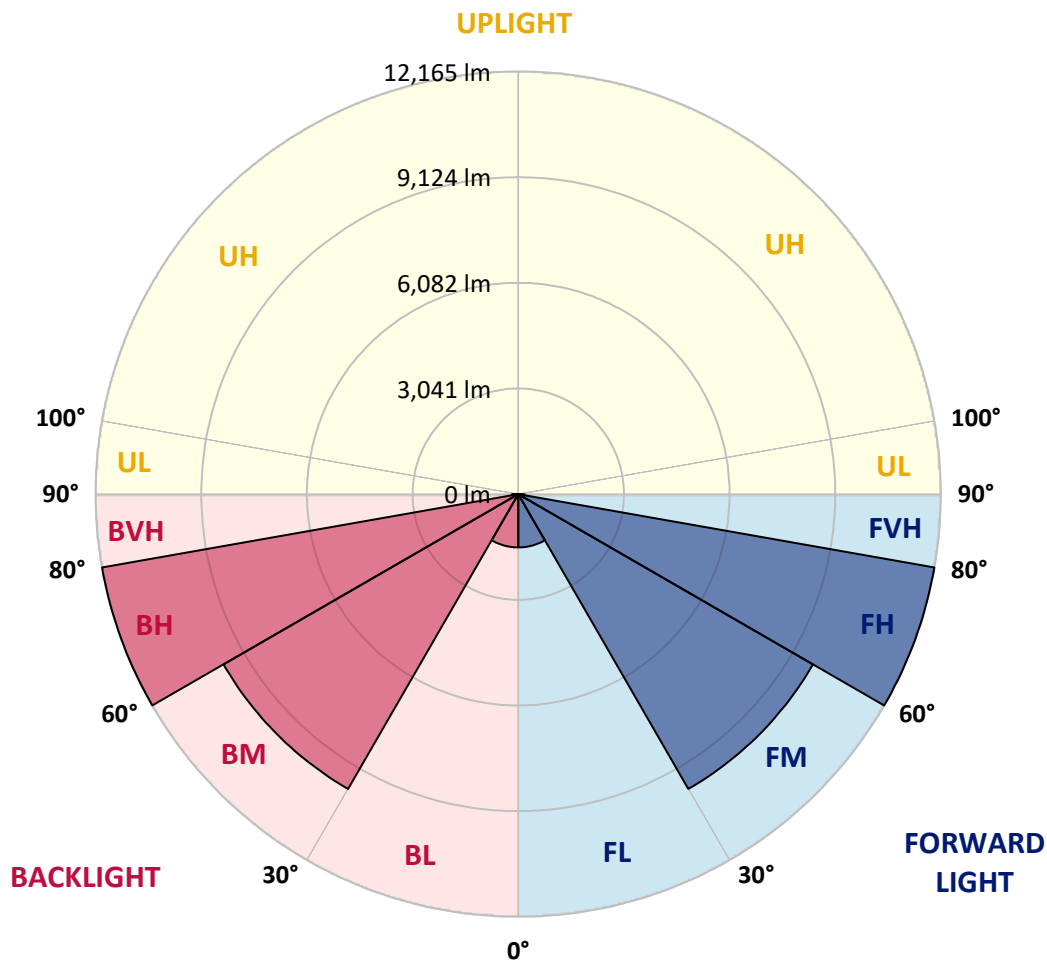
REPORT NUMBER: P479670  
 CATALOG NUMBER: IFLD-L-SA8C-730-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1532.3	3.2			
FM (30°-60°)	9797.6	20.7			
FH (60°-80°)	12165.0	25.7			G5
FVH (80°-90°)	176.5	0.4			G2/225
BL (0°-30°)	1532.3	3.2	B3/2500		
BM (30°-60°)	9797.6	20.7	B5		
BH (60°-80°)	12165.0	25.7	B5		G5
BVH (80°-90°)	176.5	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-G5**

Type V Short





REPORT NUMBER: P479670  
 CATALOG NUMBER: IFLD-L-SA8C-730-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3619.7	3619.7	3619.7	3619.7	3619.7	3619.7	3619.7	3619.7	3619.7	3619.7	3619.7
2.5°	3577.8	3588.3	3583.0	3583.0	3598.7	3609.2	3614.4	3666.7	3645.8	3661.5	3645.8
5°	3588.3	3588.3	3598.7	3588.3	3598.7	3588.3	3598.7	3583.0	3598.7	3609.2	3624.9
7.5°	3567.3	3556.9	3541.2	3541.2	3536.0	3525.5	3509.8	3551.7	3530.7	3546.4	3572.6
10°	3572.6	3556.9	3504.6	3515.0	3468.0	3468.0	3478.4	3478.4	3525.5	3577.8	3593.5
12.5°	3572.6	3541.2	3525.5	3457.5	3457.5	3462.7	3488.9	3499.3	3530.7	3551.7	3604.0
15°	3572.6	3556.9	3530.7	3441.8	3462.7	3452.3	3478.4	3478.4	3546.4	3583.0	3609.2
17.5°	3593.5	3604.0	3556.9	3473.2	3478.4	3499.3	3483.7	3499.3	3583.0	3609.2	3645.8
20°	3598.7	3556.9	3541.2	3488.9	3536.0	3525.5	3520.3	3551.7	3577.8	3624.9	3666.7
22.5°	3588.3	3604.0	3541.2	3536.0	3577.8	3598.7	3609.2	3572.6	3604.0	3635.3	3672.0
25°	3677.2	3619.7	3604.0	3593.5	3614.4	3635.3	3624.9	3656.3	3656.3	3692.9	3740.0
27.5°	3917.8	3923.0	3891.7	3766.1	3724.3	3677.2	3698.1	3781.8	3881.2	3959.7	3975.3
30°	4027.7	4048.6	4132.3	4111.3	4095.7	4111.3	4106.1	4127.0	4137.5	4142.7	4127.0
32.5°	4127.0	4116.6	4080.0	4174.1	4482.7	4718.1	4493.2	4184.6	4116.6	4095.7	4116.6
35°	4488.0	4488.0	4409.5	4289.2	4451.3	4508.9	4404.3	4257.8	4341.5	4514.1	4524.6
37.5°	4953.5	4885.5	4916.9	4901.2	4723.3	4597.8	4780.9	4875.0	4890.7	4885.5	4937.8
40°	5230.7	5183.6	5136.6	5220.3	5382.4	5497.5	5335.3	5110.4	5167.9	5283.0	5235.9
42.5°	5863.6	5743.3	5753.8	5670.1	5664.9	5628.3	5591.6	5607.3	5691.0	5821.8	5842.7
45°	6512.2	6569.8	6533.2	6376.2	6449.5	6449.5	6344.9	6423.3	6465.2	6616.9	6637.8
47.5°	7527.0	7500.8	7516.5	7375.3	7370.1	7406.7	7370.1	7375.3	7506.1	7495.6	7438.1
50°	8714.4	8787.6	8808.5	8740.5	8656.8	8641.1	8583.6	8656.8	8735.3	8740.5	8693.5
52.5°	10356.8	10435.3	10435.3	10456.2	10560.8	10508.5	10498.0	10503.3	10351.6	10247.0	10299.3
55°	12428.2	12454.3	12543.3	12726.3	13045.4	13087.3	12888.5	12799.6	12522.3	12355.0	12485.7
57.5°	14473.4	14578.0	14823.9	15299.8	15692.2	16121.1	15545.7	14959.9	14415.9	14149.1	14196.2
60°	16173.4	16325.1	16795.8	17460.1	18548.1	18940.4	17967.5	16963.2	15859.5	15043.5	15373.1
62.5°	16973.7	17209.1	17606.6	18950.9	20582.9	21147.8	19719.8	17894.3	16220.5	15435.8	15420.2
64°	16978.9	17015.5	17810.6	19259.5	20938.6	22031.8	20143.5	17894.3	16309.4	15341.7	15519.5
65°	16628.4	16780.1	17549.1	18977.0	20713.6	22105.0	19997.0	17648.4	15943.2	15190.0	15273.7
67.5°	15038.3	15033.1	15744.5	17162.0	19573.3	21273.3	18752.1	16272.8	15038.3	14222.3	14321.7
70°	11408.2	11591.3	12271.3	14013.1	16937.1	18757.4	16398.3	13830.0	12292.2	11638.3	11601.7
72.5°	6826.1	7066.7	7935.0	10058.7	13155.3	15367.8	13014.0	10231.3	8379.6	7343.9	7370.1
75°	3112.3	3290.1	3886.4	5617.8	8766.7	11235.6	8819.0	5915.9	4242.1	3583.0	3488.9
77.5°	873.5	983.4	1312.9	2578.7	4812.3	6737.2	4948.3	2850.7	1851.7	1537.8	1506.4
80°	392.3	413.2	465.5	627.7	1527.4	2971.0	2045.2	1046.1	695.7	575.4	549.2
82.5°	214.5	230.2	303.4	324.3	434.1	789.8	674.8	491.7	418.5	334.8	324.3
85°	120.3	125.5	172.6	172.6	209.2	230.2	245.8	261.5	256.3	188.3	183.1
87.5°	36.6	41.8	52.3	52.3	52.3	52.3	83.7	115.1	125.5	88.9	88.9
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)