

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: P479669

Luminaire Tested: **IFLD-L-SA8B-730-U-5WQ**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P479669  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-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**

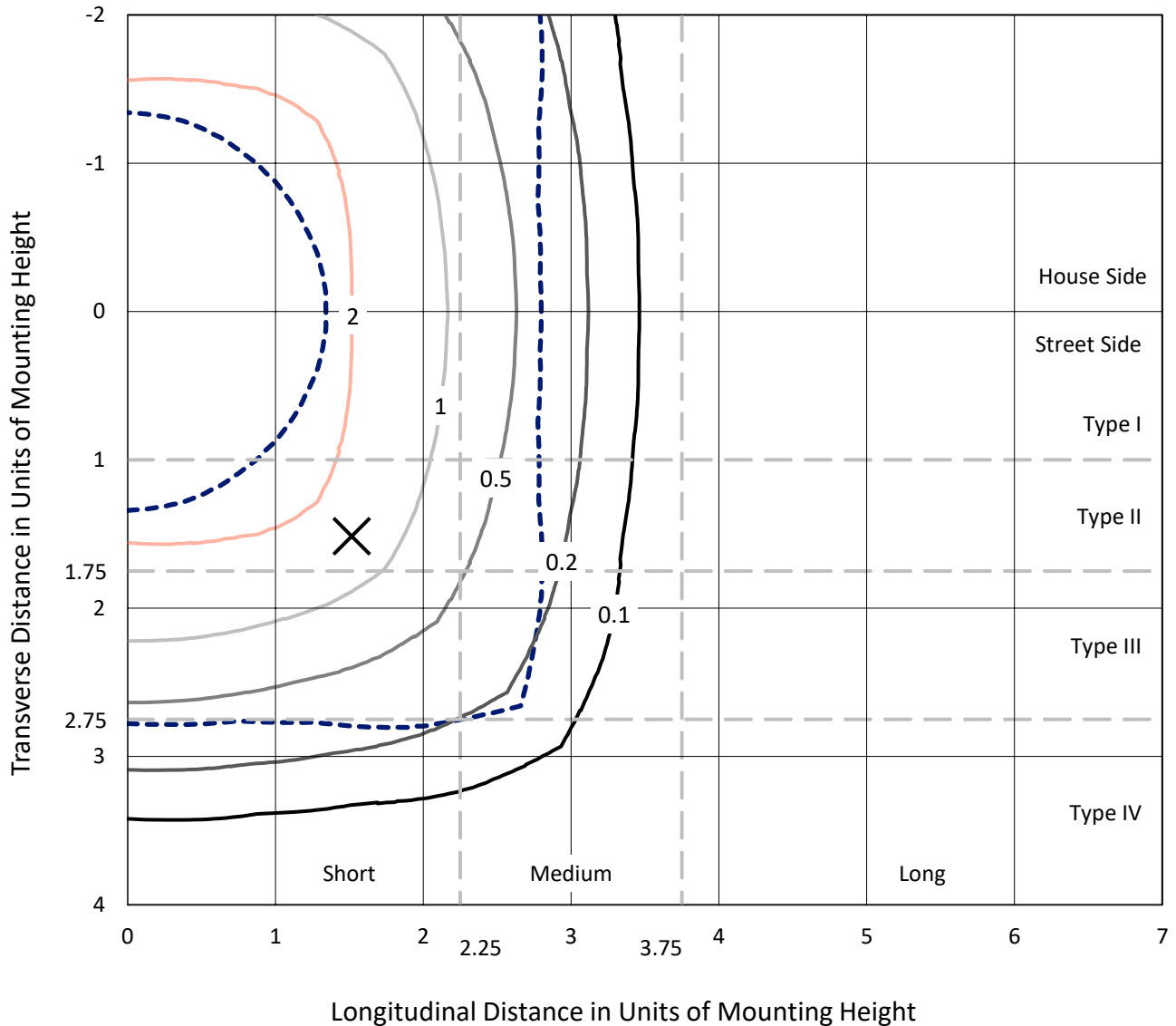
Lumens per Lamp: N/A  
Luminaire Lumens: 38030.9 lumens  
Efficiency: N/A  
Efficacy: 118.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 320  
Input Voltage (V): 120  
Input Current (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: P479669  
 CATALOG NUMBER: IFLD-L-SA8B-730-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

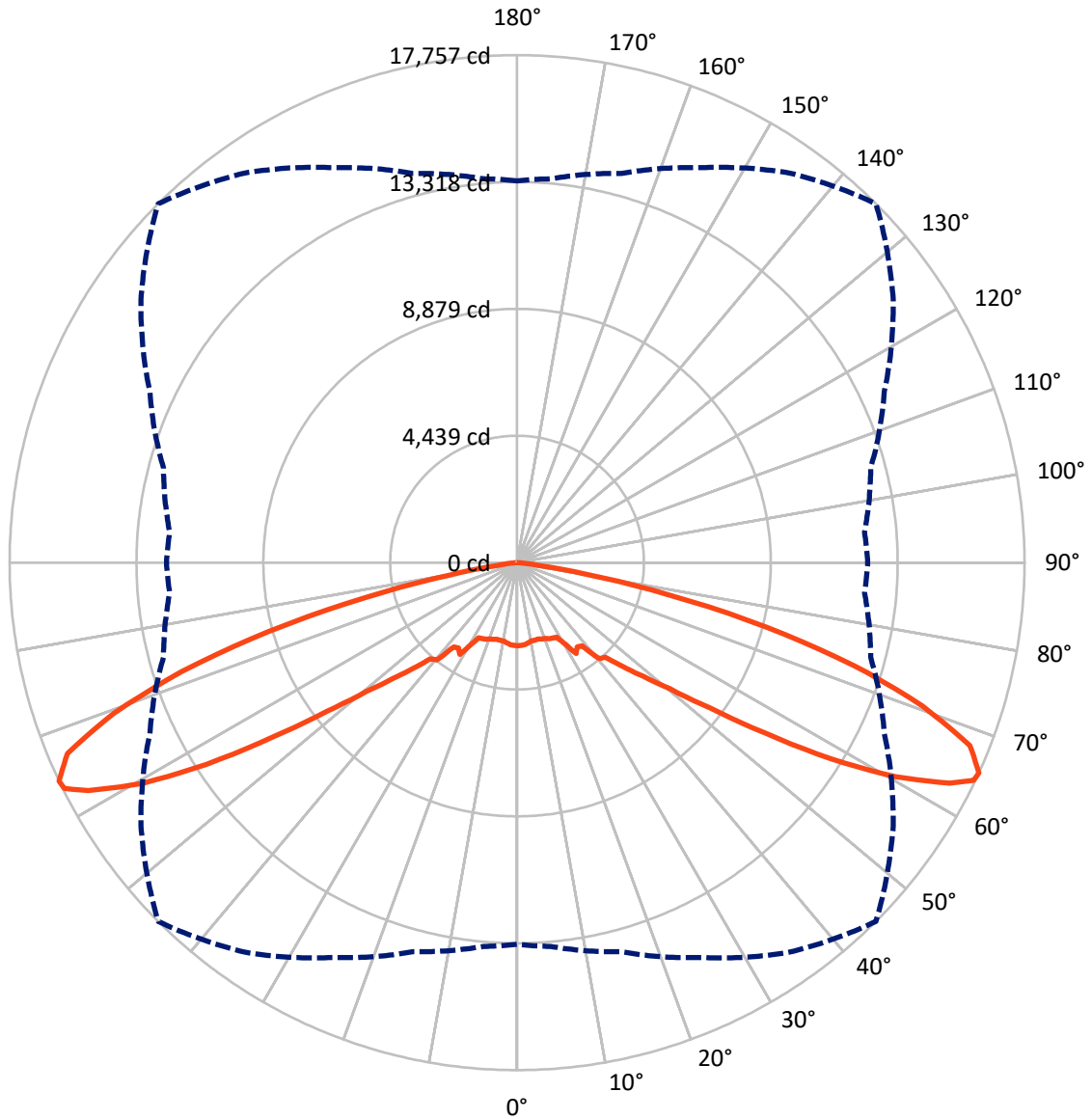
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.2 fc  
 Type V - Short - N/A

REPORT NUMBER: P479669  
CATALOG NUMBER: IFLD-L-SA8B-730-U-5WQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P479669

CATALOG NUMBER: IFLD-L-SA8B-730-U-5WQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19015.4	0.0	19015.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19015.4	0.0	19015.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38030.9	0.0	38030.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	272.9	0.7
10°-20°	801.5	2.1
20°-30°	1387.4	3.6
30°-40°	2307.0	6.1
40°-50°	4162.1	10.9
50°-60°	9271.9	24.4
60°-70°	13818.1	36.3
70°-80°	5726.4	15.1
80°-90°	283.6	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°	38030.9	100.0
0°-180°	38030.9	100.0

**Coefficient of Utilization**



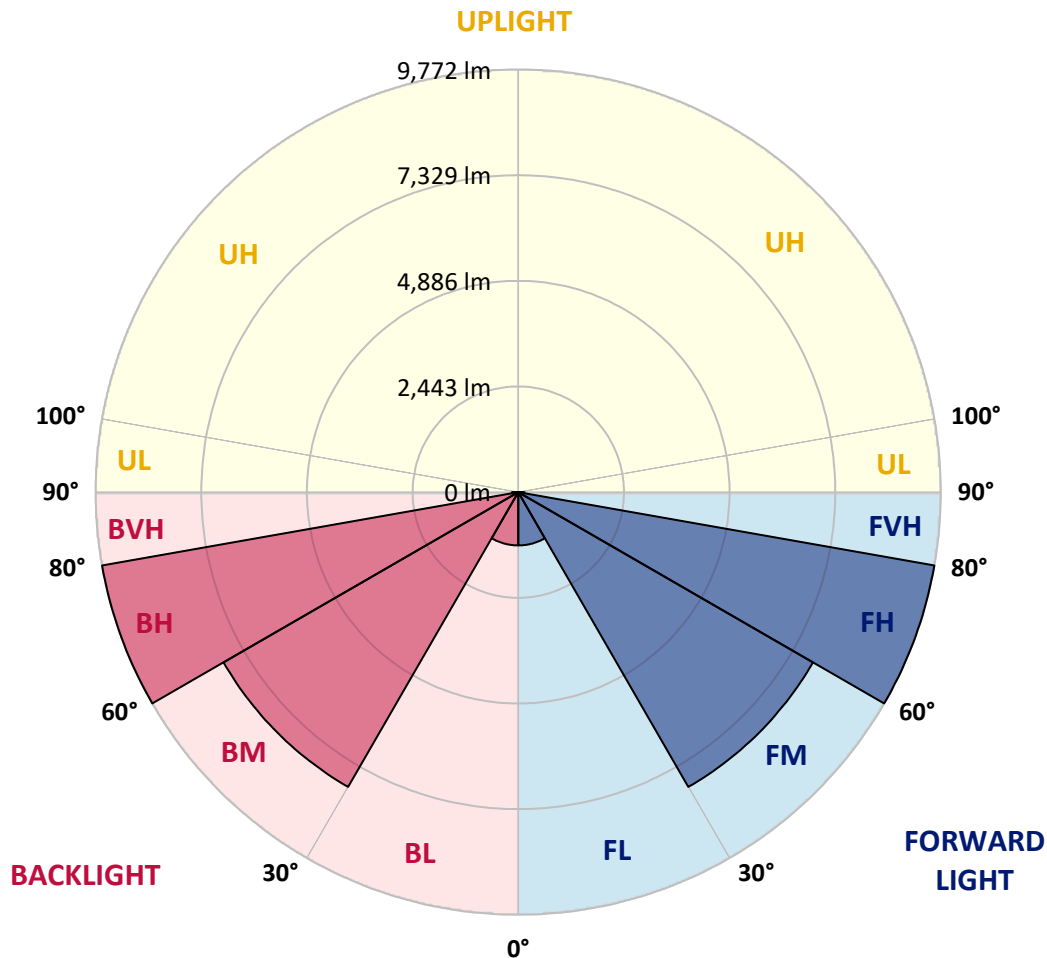
REPORT NUMBER: P479669  
 CATALOG NUMBER: IFLD-L-SA8B-730-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1230.9	3.2			
FM (30°-60°)	7870.5	20.7			
FH (60°-80°)	9772.2	25.7			G4/12000
FVH (80°-90°)	141.8	0.4			G2/225
BL (0°-30°)	1230.9	3.2	B3/2500		
BM (30°-60°)	7870.5	20.7	B4/8500		
BH (60°-80°)	9772.2	25.7	B5		G4/12000
BVH (80°-90°)	141.8	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: P479669  
 CATALOG NUMBER: IFLD-L-SA8B-730-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7
2.5°	2874.1	2882.5	2878.3	2878.3	2890.9	2899.3	2903.5	2945.5	2928.7	2941.3	2928.7
5°	2882.5	2882.5	2890.9	2882.5	2890.9	2882.5	2890.9	2878.3	2890.9	2899.3	2911.9
7.5°	2865.7	2857.3	2844.7	2844.7	2840.5	2832.1	2819.5	2853.1	2836.3	2848.9	2869.9
10°	2869.9	2857.3	2815.3	2823.7	2785.8	2785.8	2794.2	2794.2	2832.1	2874.1	2886.7
12.5°	2869.9	2844.7	2832.1	2777.4	2777.4	2781.6	2802.6	2811.0	2836.3	2853.1	2895.1
15°	2869.9	2857.3	2836.3	2764.8	2781.6	2773.2	2794.2	2794.2	2848.9	2878.3	2899.3
17.5°	2886.7	2895.1	2857.3	2790.0	2794.2	2811.0	2798.4	2811.0	2878.3	2899.3	2928.7
20°	2890.9	2857.3	2844.7	2802.6	2840.5	2832.1	2827.9	2853.1	2874.1	2911.9	2945.5
22.5°	2882.5	2895.1	2844.7	2840.5	2874.1	2890.9	2899.3	2869.9	2895.1	2920.3	2949.7
25°	2953.9	2907.7	2895.1	2886.7	2903.5	2920.3	2911.9	2937.1	2937.1	2966.5	3004.3
27.5°	3147.2	3151.4	3126.2	3025.3	2991.7	2953.9	2970.7	3037.9	3117.8	3180.8	3193.4
30°	3235.4	3252.2	3319.5	3302.7	3290.1	3302.7	3298.5	3315.3	3323.7	3327.9	3315.3
32.5°	3315.3	3306.9	3277.5	3353.1	3601.0	3790.1	3609.4	3361.5	3306.9	3290.1	3306.9
35°	3605.2	3605.2	3542.2	3445.5	3575.8	3622.0	3538.0	3420.3	3487.5	3626.2	3634.6
37.5°	3979.2	3924.5	3949.8	3937.1	3794.3	3693.4	3840.5	3916.1	3928.7	3924.5	3966.6
40°	4201.9	4164.1	4126.2	4193.5	4323.7	4416.2	4285.9	4105.2	4151.4	4243.9	4206.1
42.5°	4710.3	4613.7	4622.1	4554.8	4550.6	4521.2	4491.8	4504.4	4571.6	4676.7	4693.5
45°	5231.3	5277.5	5248.1	5122.1	5180.9	5180.9	5096.9	5159.9	5193.5	5315.4	5332.2
47.5°	6046.5	6025.5	6038.1	5924.6	5920.4	5949.8	5920.4	5924.6	6029.7	6021.3	5975.1
50°	7000.3	7059.1	7075.9	7021.3	6954.1	6941.5	6895.3	6954.1	7017.1	7021.3	6983.5
52.5°	8319.7	8382.7	8382.7	8399.5	8483.6	8441.6	8433.1	8437.3	8315.5	8231.5	8273.5
55°	9983.6	10004.6	10076.1	10223.1	10479.5	10513.1	10353.4	10282.0	10059.3	9924.8	10029.9
57.5°	11626.6	11710.6	11908.1	12290.5	12605.6	12950.2	12487.9	12017.3	11580.3	11366.1	11403.9
60°	12992.2	13114.0	13492.2	14025.8	14899.8	15215.0	14433.4	13626.7	12740.1	12084.6	12349.3
62.5°	13635.1	13824.1	14143.5	15223.4	16534.3	16988.1	15841.0	14374.6	13030.0	12399.7	12387.1
64°	13639.3	13668.7	14307.4	15471.3	16820.1	17698.3	16181.4	14374.6	13101.4	12324.1	12466.9
65°	13357.7	13479.6	14097.3	15244.4	16639.4	17757.1	16063.7	14177.1	12807.3	12202.2	12269.5
67.5°	12080.4	12076.2	12647.6	13786.3	15723.4	17089.0	15063.7	13072.0	12080.4	11424.9	11504.7
70°	9164.3	9311.3	9857.6	11256.8	13605.6	15067.9	13172.9	11109.7	9874.4	9349.2	9319.7
72.5°	5483.4	5676.7	6374.2	8080.2	10567.7	12345.1	10454.2	8218.9	6731.4	5899.4	5920.4
75°	2500.1	2643.0	3122.0	4512.8	7042.3	9025.6	7084.3	4752.3	3407.7	2878.3	2802.6
77.5°	701.7	790.0	1054.7	2071.5	3865.7	5412.0	3975.0	2290.0	1487.5	1235.3	1210.1
80°	315.1	331.9	374.0	504.2	1226.9	2386.7	1642.9	840.4	558.8	462.2	441.2
82.5°	172.3	184.9	243.7	260.5	348.8	634.5	542.0	395.0	336.1	268.9	260.5
85°	96.6	100.8	138.7	138.7	168.1	184.9	197.5	210.1	205.9	151.3	147.1
87.5°	29.4	33.6	42.0	42.0	42.0	42.0	67.2	92.4	100.8	71.4	71.4
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)