

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: P479666

Luminaire Tested: **IFLD-L-SA7D-730-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479666  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7D-730-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (112) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

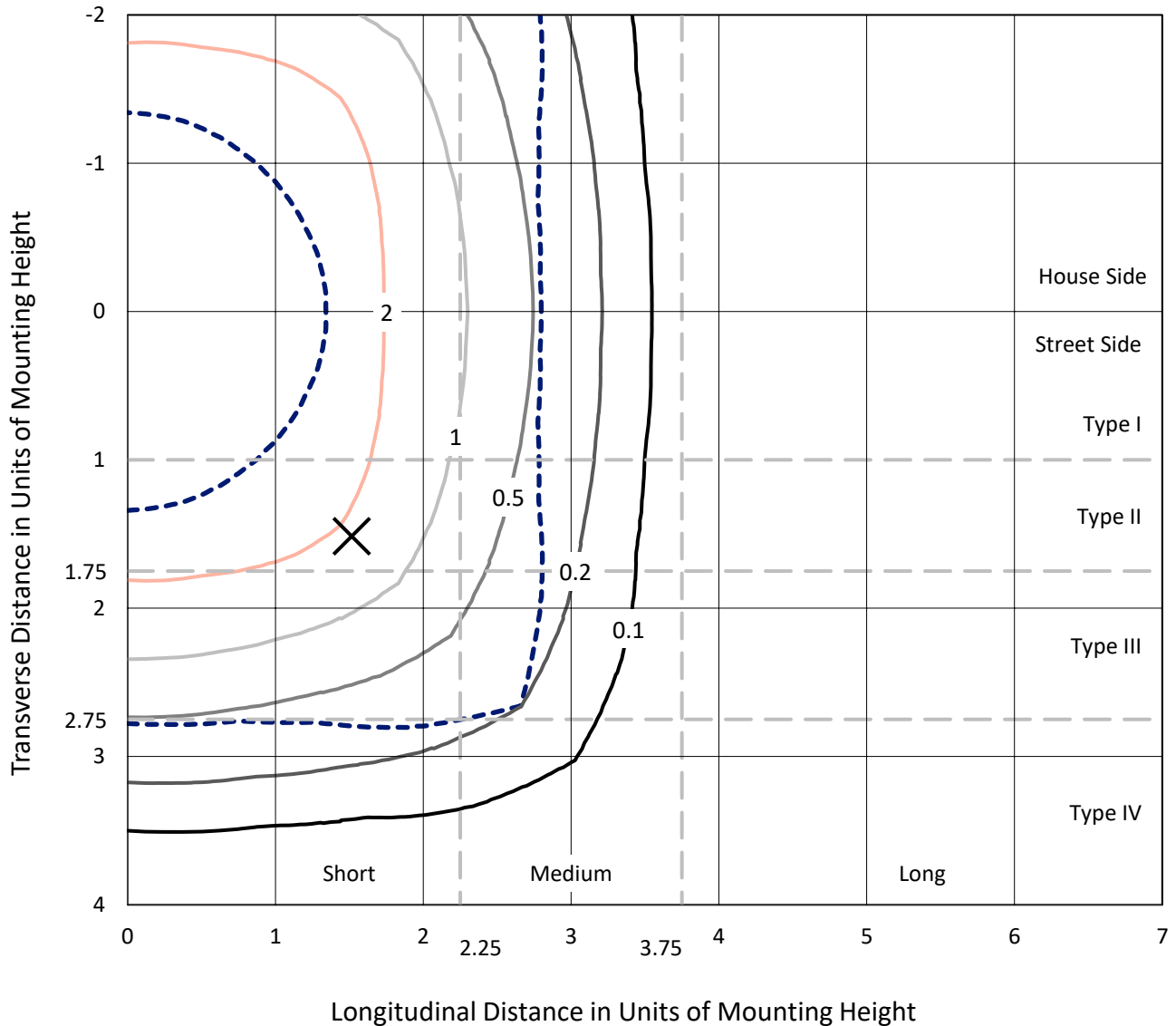
Lumens per Lamp: N/A  
Luminaire Lumens: 45581.6 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 422.6  
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

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### Iso-Footcandle Lines of Horizontal Illumination

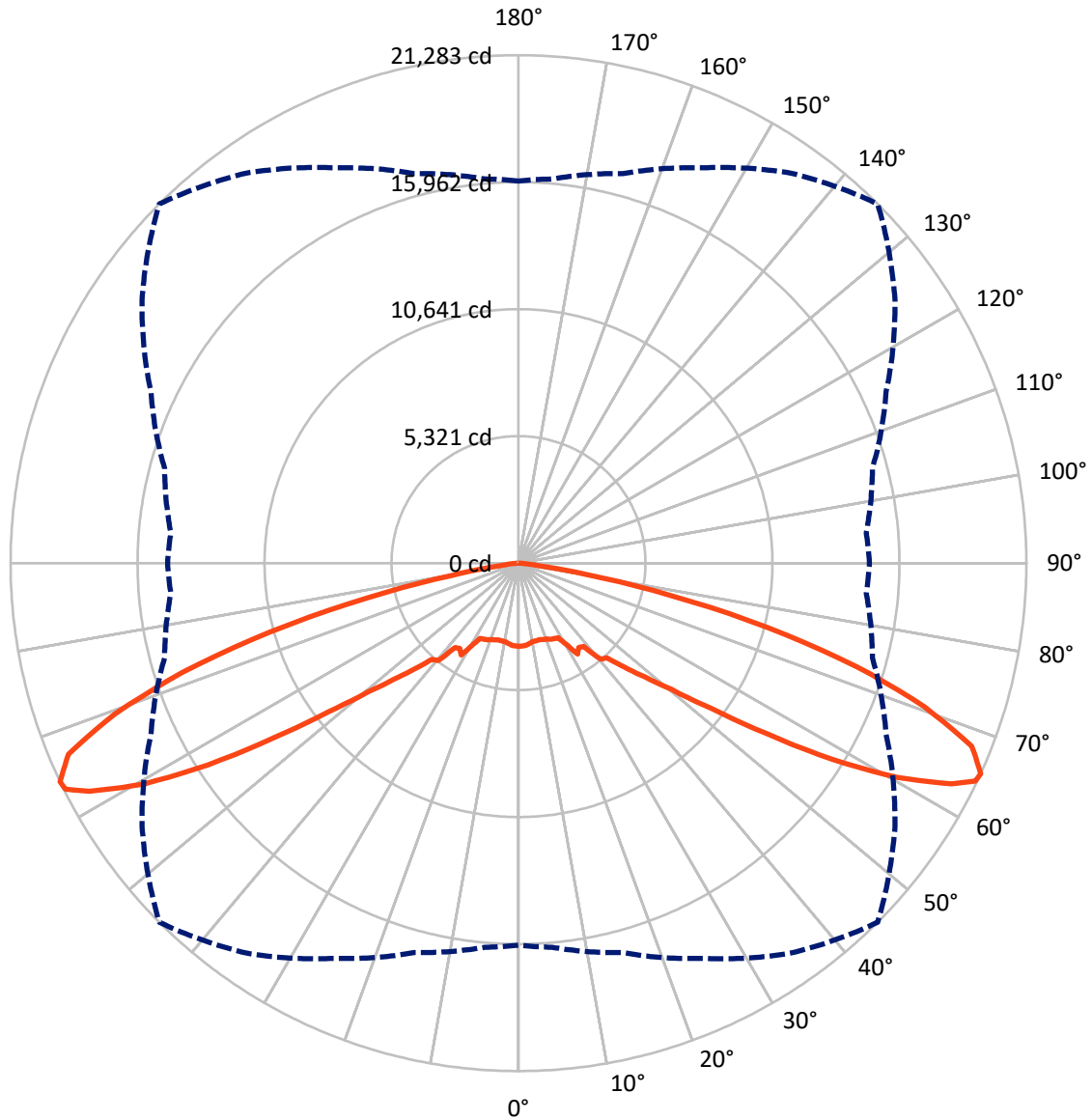
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	22790.8	0.0	22790.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22790.8	0.0	22790.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	45581.6	0.0	45581.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	327.0	0.7
10°-20°	960.7	2.1
20°-30°	1662.9	3.6
30°-40°	2765.0	6.1
40°-50°	4988.5	10.9
50°-60°	11112.7	24.4
60°-70°	16561.5	36.3
70°-80°	6863.3	15.1
80°-90°	339.9	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°	45581.6	100.0
0°-180°	45581.6	100.0

**Coefficient of Utilization**



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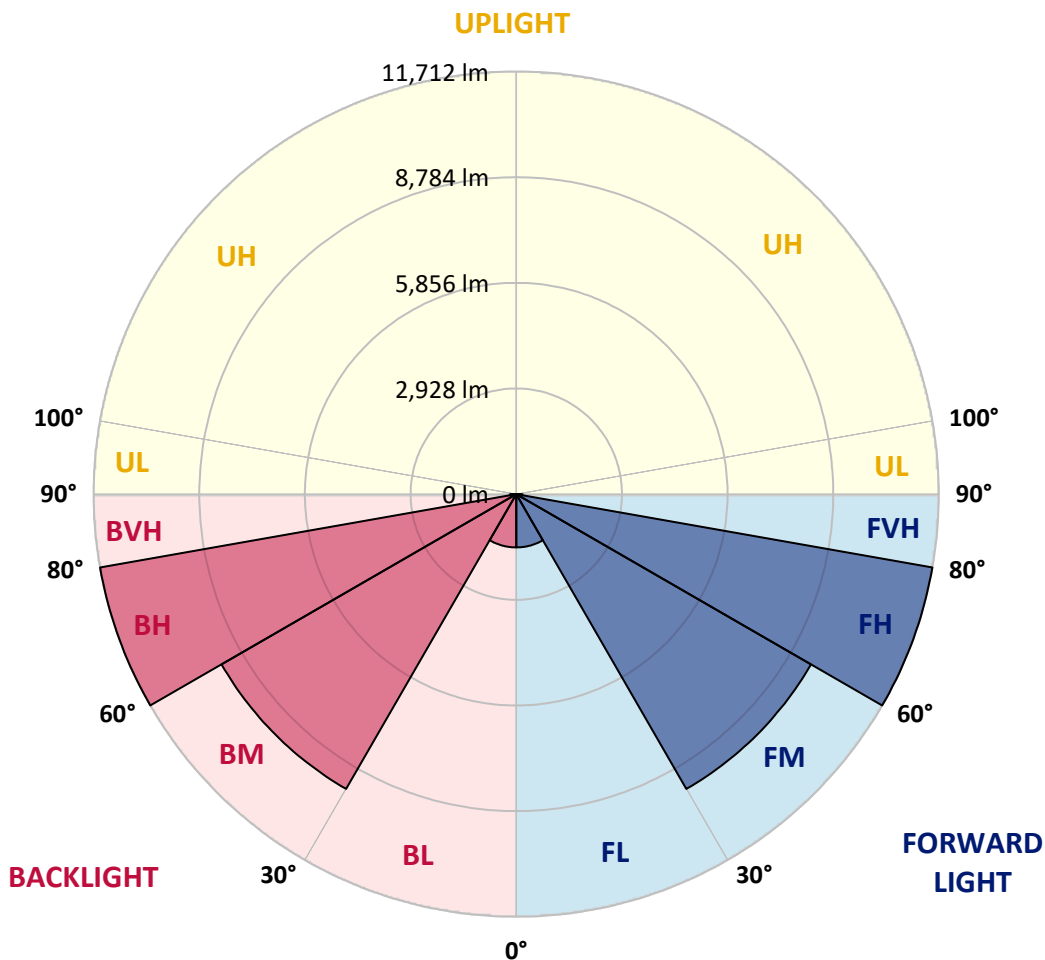
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1475.3	3.2			
FM (30°-60°)	9433.1	20.7			
FH (60°-80°)	11712.4	25.7			G4/12000
FVH (80°-90°)	170.0	0.4			G2/225
BL (0°-30°)	1475.3	3.2	B3/2500		
BM (30°-60°)	9433.1	20.7	B5		
BH (60°-80°)	11712.4	25.7	B5		G4/12000
BVH (80°-90°)	170.0	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3485.0	3485.0	3485.0	3485.0	3485.0	3485.0	3485.0	3485.0	3485.0	3485.0	3485.0
2.5°	3444.7	3454.8	3449.7	3449.7	3464.8	3474.9	3480.0	3530.3	3510.2	3525.3	3510.2
5°	3454.8	3454.8	3464.8	3454.8	3464.8	3454.8	3464.8	3449.7	3464.8	3474.9	3490.0
7.5°	3434.6	3424.6	3409.4	3409.4	3404.4	3394.3	3379.2	3419.5	3399.4	3414.5	3439.7
10°	3439.7	3424.6	3374.2	3384.3	3338.9	3338.9	3349.0	3349.0	3394.3	3444.7	3459.8
12.5°	3439.7	3409.4	3394.3	3328.9	3328.9	3333.9	3359.1	3369.2	3399.4	3419.5	3469.9
15°	3439.7	3424.6	3399.4	3313.8	3333.9	3323.8	3349.0	3349.0	3414.5	3449.7	3474.9
17.5°	3459.8	3469.9	3424.6	3344.0	3349.0	3369.2	3354.1	3369.2	3449.7	3474.9	3510.2
20°	3464.8	3424.6	3409.4	3359.1	3404.4	3394.3	3389.3	3419.5	3444.7	3490.0	3530.3
22.5°	3454.8	3469.9	3409.4	3404.4	3444.7	3464.8	3474.9	3439.7	3469.9	3500.1	3535.4
25°	3540.4	3485.0	3469.9	3459.8	3480.0	3500.1	3490.0	3520.2	3520.2	3555.5	3600.8
27.5°	3772.0	3777.1	3746.9	3626.0	3585.7	3540.4	3560.5	3641.1	3736.8	3812.3	3827.4
30°	3877.8	3898.0	3978.5	3958.4	3943.3	3958.4	3953.3	3973.5	3983.6	3988.6	3973.5
32.5°	3973.5	3963.4	3928.2	4018.8	4315.9	4542.6	4326.0	4028.9	3963.4	3943.3	3963.4
35°	4321.0	4321.0	4245.4	4129.6	4285.7	4341.1	4240.4	4099.4	4180.0	4346.2	4356.2
37.5°	4769.2	4703.7	4733.9	4718.8	4547.6	4426.7	4603.0	4693.7	4708.8	4703.7	4754.1
40°	5036.1	4990.8	4945.5	5026.0	5182.2	5293.0	5136.8	4920.3	4975.7	5086.5	5041.1
42.5°	5645.5	5529.7	5539.7	5459.1	5454.1	5418.9	5383.6	5398.7	5479.3	5605.2	5625.3
45°	6270.0	6325.4	6290.1	6139.0	6209.5	6209.5	6108.8	6184.3	6224.6	6370.7	6390.8
47.5°	7247.0	7221.8	7236.9	7100.9	7095.9	7131.1	7095.9	7100.9	7226.8	7216.8	7161.4
50°	8390.2	8460.7	8480.8	8415.3	8334.8	8319.7	8264.3	8334.8	8410.3	8415.3	8370.0
52.5°	9971.5	10047.0	10047.0	10067.2	10167.9	10117.6	10107.5	10112.5	9966.5	9865.7	9916.1
55°	11965.8	11991.0	12076.6	12252.9	12560.1	12600.4	12409.0	12323.4	12056.5	11895.3	12021.2
57.5°	13934.9	14035.6	14272.3	14730.6	15108.3	15521.3	14967.3	14403.3	13879.5	13622.7	13668.0
60°	15571.7	15717.7	16171.0	16810.5	17858.1	18235.8	17299.0	16332.1	15269.5	14483.9	14801.1
62.5°	16342.2	16568.8	16951.6	18245.8	19817.1	20361.0	18986.1	17228.5	15617.0	14861.6	14846.5
64°	16347.2	16382.5	17148.0	18543.0	20159.6	21212.1	19394.1	17228.5	15702.6	14770.9	14942.1
65°	16009.8	16155.9	16896.2	18271.0	19943.0	21282.6	19253.1	16991.8	15350.1	14624.9	14705.5
67.5°	14478.8	14473.8	15158.7	16523.5	18845.1	20481.9	18054.5	15667.3	14478.8	13693.2	13788.9
70°	10983.8	11160.0	11814.7	13491.7	16306.9	18059.5	15788.2	13315.5	11834.9	11205.4	11170.1
72.5°	6572.1	6803.8	7639.8	9684.4	12665.8	14796.1	12529.8	9850.6	8067.9	7070.7	7095.9
75°	2996.5	3167.7	3741.8	5408.8	8440.5	10817.6	8490.9	5695.8	4084.3	3449.7	3359.1
77.5°	841.0	946.8	1264.1	2482.8	4633.2	6486.5	4764.2	2744.7	1782.8	1480.6	1450.4
80°	377.7	397.9	448.2	604.3	1470.5	2860.5	1969.1	1007.2	669.8	554.0	528.8
82.5°	206.5	221.6	292.1	312.2	418.0	760.5	649.7	473.4	402.9	322.3	312.2
85°	115.8	120.9	166.2	166.2	201.4	221.6	236.7	251.8	246.8	181.3	176.3
87.5°	35.3	40.3	50.4	50.4	50.4	50.4	80.6	110.8	120.9	85.6	85.6
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)