

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: P479898

Luminaire Tested: **IFLD-L-SA7B-830-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479898  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-830-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (112) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

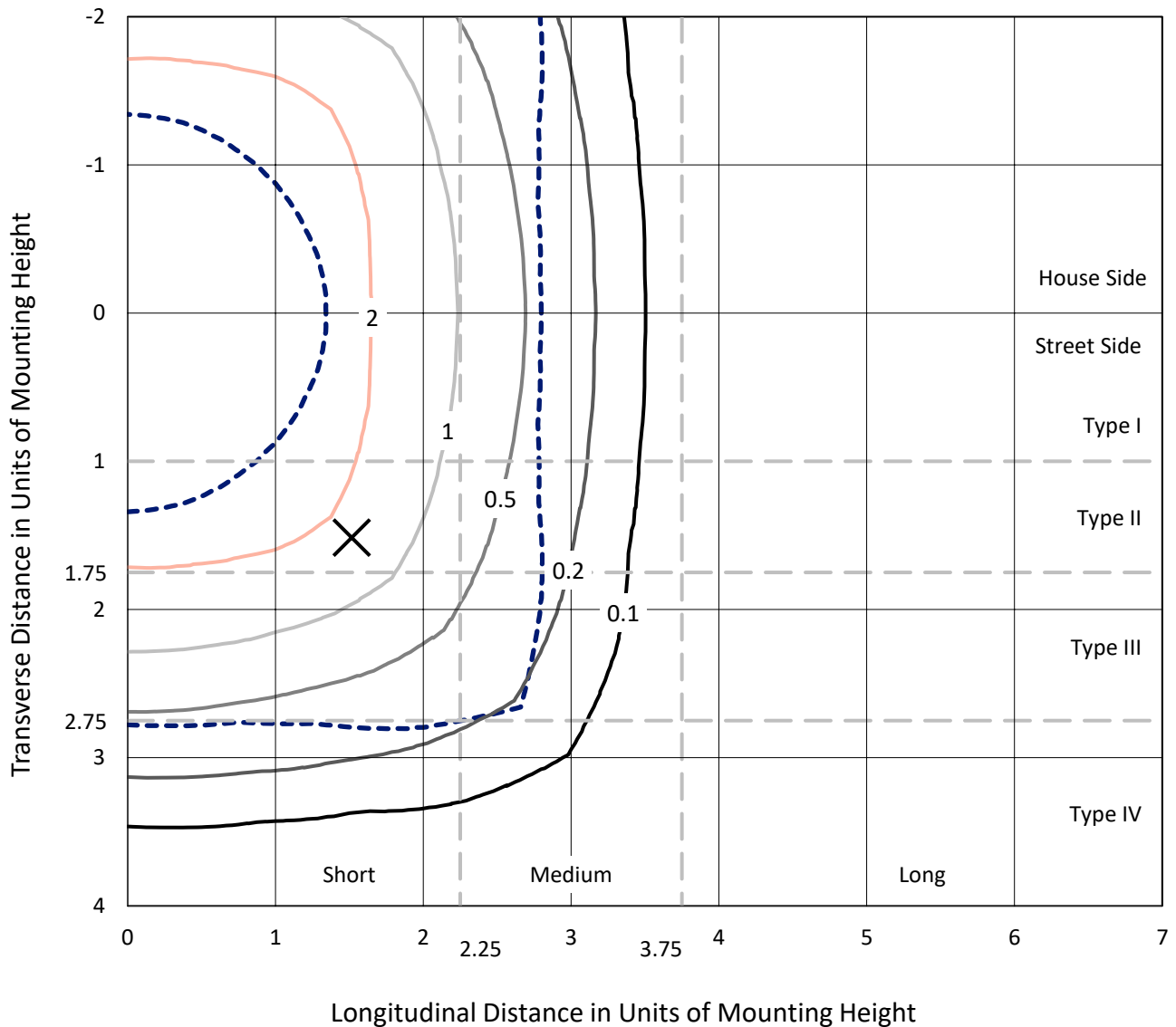
Lumens per Lamp: N/A  
Luminaire Lumens: 29038.5 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 281  
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

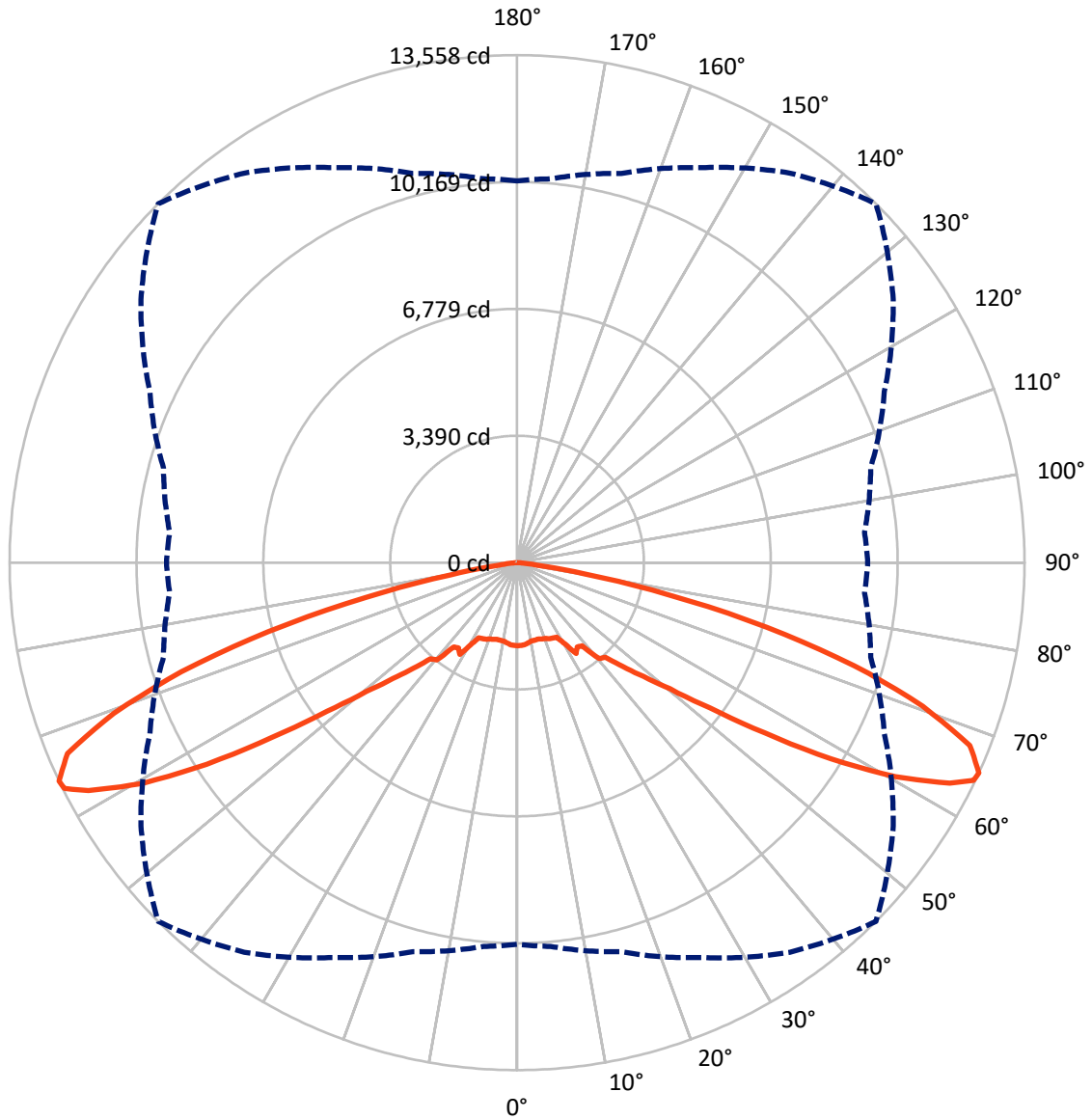
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	14519.2	0.0	14519.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14519.2	0.0	14519.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29038.5	0.0	29038.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.3	0.7
10°-20°	612.0	2.1
20°-30°	1059.4	3.6
30°-40°	1761.5	6.1
40°-50°	3178.0	10.9
50°-60°	7079.5	24.4
60°-70°	10550.8	36.3
70°-80°	4372.4	15.1
80°-90°	216.6	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°	29038.5	100.0
0°-180°	29038.5	100.0

**Coefficient of Utilization**



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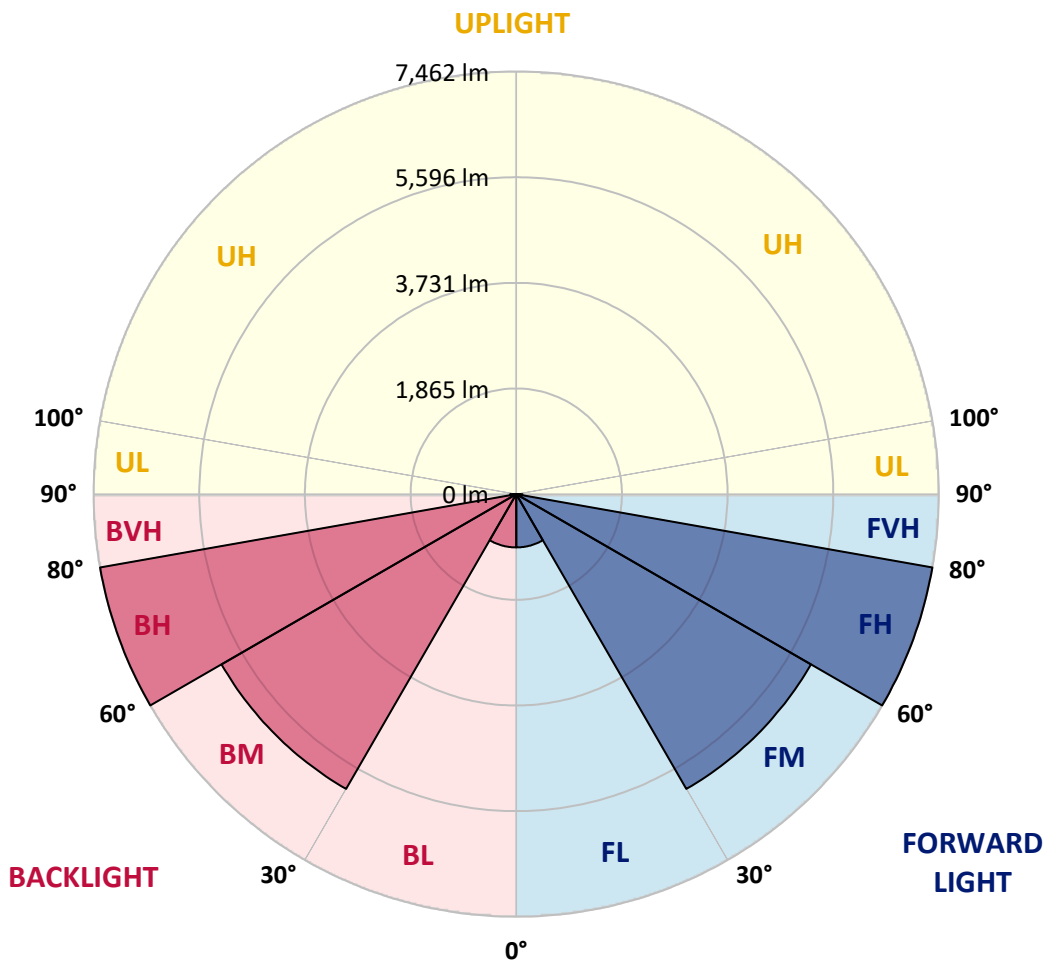
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	939.9	3.2			
FM (30°-60°)	6009.5	20.7			
FH (60°-80°)	7461.6	25.7			G3/7500
FVH (80°-90°)	108.3	0.4			G2/225
BL (0°-30°)	939.9	3.2	B2/1000		
BM (30°-60°)	6009.5	20.7	B4/8500		
BH (60°-80°)	7461.6	25.7	B5		G3/7500
BVH (80°-90°)	108.3	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-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2
2.5°	2194.5	2200.9	2197.7	2197.7	2207.3	2213.8	2217.0	2249.0	2236.2	2245.8	2236.2
5°	2200.9	2200.9	2207.3	2200.9	2207.3	2200.9	2207.3	2197.7	2207.3	2213.8	2223.4
7.5°	2188.1	2181.7	2172.0	2172.0	2168.8	2162.4	2152.8	2178.5	2165.6	2175.3	2191.3
10°	2191.3	2181.7	2149.6	2156.0	2127.1	2127.1	2133.5	2133.5	2162.4	2194.5	2204.1
12.5°	2191.3	2172.0	2162.4	2120.7	2120.7	2123.9	2140.0	2146.4	2165.6	2178.5	2210.5
15°	2191.3	2181.7	2165.6	2111.1	2123.9	2117.5	2133.5	2133.5	2175.3	2197.7	2213.8
17.5°	2204.1	2210.5	2181.7	2130.3	2133.5	2146.4	2136.8	2146.4	2197.7	2213.8	2236.2
20°	2207.3	2181.7	2172.0	2140.0	2168.8	2162.4	2159.2	2178.5	2194.5	2223.4	2249.0
22.5°	2200.9	2210.5	2172.0	2168.8	2194.5	2207.3	2213.8	2191.3	2210.5	2229.8	2252.3
25°	2255.5	2220.2	2210.5	2204.1	2217.0	2229.8	2223.4	2242.6	2242.6	2265.1	2294.0
27.5°	2403.0	2406.3	2387.0	2310.0	2284.3	2255.5	2268.3	2319.6	2380.6	2428.7	2438.3
30°	2470.4	2483.3	2534.6	2521.8	2512.1	2521.8	2518.5	2531.4	2537.8	2541.0	2531.4
32.5°	2531.4	2525.0	2502.5	2560.3	2749.5	2893.9	2756.0	2566.7	2525.0	2512.1	2525.0
35°	2752.8	2752.8	2704.6	2630.8	2730.3	2765.6	2701.4	2611.6	2662.9	2768.8	2775.2
37.5°	3038.3	2996.6	3015.8	3006.2	2897.1	2820.1	2932.4	2990.2	2999.8	2996.6	3028.7
40°	3208.3	3179.5	3150.6	3201.9	3301.4	3372.0	3272.5	3134.5	3169.8	3240.4	3211.5
42.5°	3596.5	3522.8	3529.2	3477.8	3474.6	3452.2	3429.7	3439.3	3490.7	3570.9	3583.7
45°	3994.4	4029.7	4007.2	3911.0	3955.9	3955.9	3891.7	3939.8	3965.5	4058.5	4071.4
47.5°	4616.8	4600.8	4610.4	4523.8	4520.5	4543.0	4520.5	4523.8	4604.0	4597.5	4562.3
50°	5345.1	5390.0	5402.8	5361.1	5309.8	5300.2	5264.9	5309.8	5357.9	5361.1	5332.3
52.5°	6352.5	6400.6	6400.6	6413.5	6477.6	6445.6	6439.1	6442.3	6349.3	6285.1	6317.2
55°	7623.0	7639.1	7693.6	7805.9	8001.6	8027.3	7905.3	7850.8	7680.8	7578.1	7658.3
57.5°	8877.5	8941.6	9092.4	9384.4	9625.0	9888.1	9535.2	9175.8	8842.2	8678.6	8707.4
60°	9920.2	10013.2	10302.0	10709.4	11376.8	11617.4	11020.6	10404.6	9727.7	9227.2	9429.3
62.5°	10411.1	10555.4	10799.3	11623.8	12624.8	12971.3	12095.4	10975.7	9949.1	9467.8	9458.2
64°	10414.3	10436.7	10924.4	11813.1	12843.0	13513.5	12355.3	10975.7	10003.6	9410.1	9519.1
65°	10199.3	10292.4	10764.0	11639.9	12705.0	13558.4	12265.5	10824.9	9779.0	9317.0	9368.3
67.5°	9224.0	9220.8	9657.1	10526.6	12005.6	13048.3	11501.9	9981.1	9224.0	8723.5	8784.4
70°	6997.4	7109.7	7526.8	8595.1	10388.6	11505.1	10058.1	8482.8	7539.6	7138.6	7116.1
72.5°	4186.9	4334.5	4867.0	6169.6	8069.0	9426.1	7982.3	6275.5	5139.8	4504.5	4520.5
75°	1909.0	2018.0	2383.8	3445.8	5377.2	6891.5	5409.3	3628.6	2602.0	2197.7	2140.0
77.5°	535.8	603.2	805.3	1581.7	2951.7	4132.3	3035.1	1748.5	1135.8	943.3	924.0
80°	240.6	253.5	285.5	385.0	936.8	1822.3	1254.5	641.7	426.7	352.9	336.9
82.5°	131.5	141.2	186.1	198.9	266.3	484.5	413.9	301.6	256.7	205.3	198.9
85°	73.8	77.0	105.9	105.9	128.3	141.2	150.8	160.4	157.2	115.5	112.3
87.5°	22.5	25.7	32.1	32.1	32.1	32.1	51.3	70.6	77.0	54.5	54.5
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)