

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: P479703

Luminaire Tested: **IFLD-L-SA7B-735-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479703  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-735-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (112) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

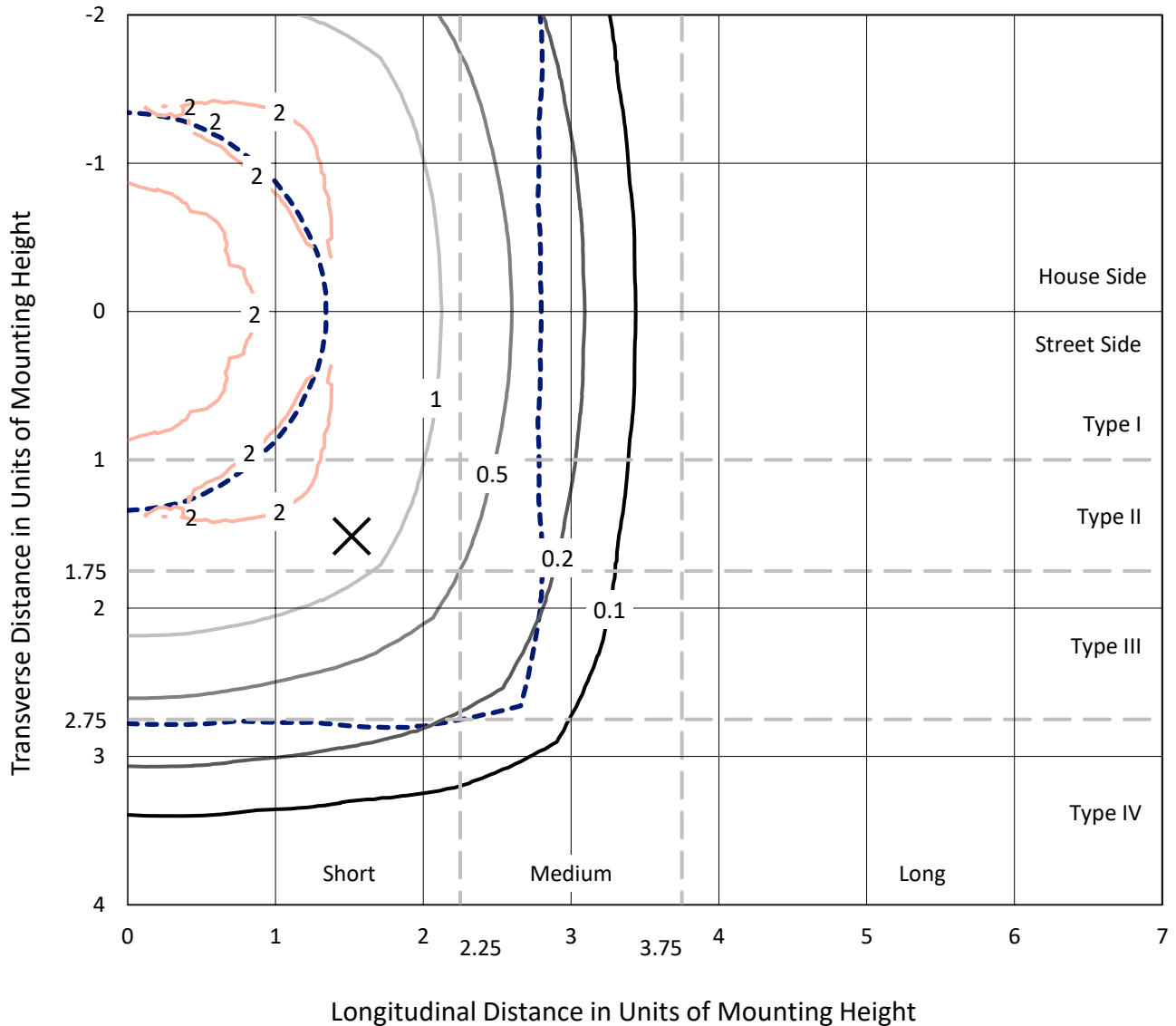
Lumens per Lamp: N/A  
Luminaire Lumens: 36044.1 lumens  
Efficiency: N/A  
Efficacy: 128.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 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

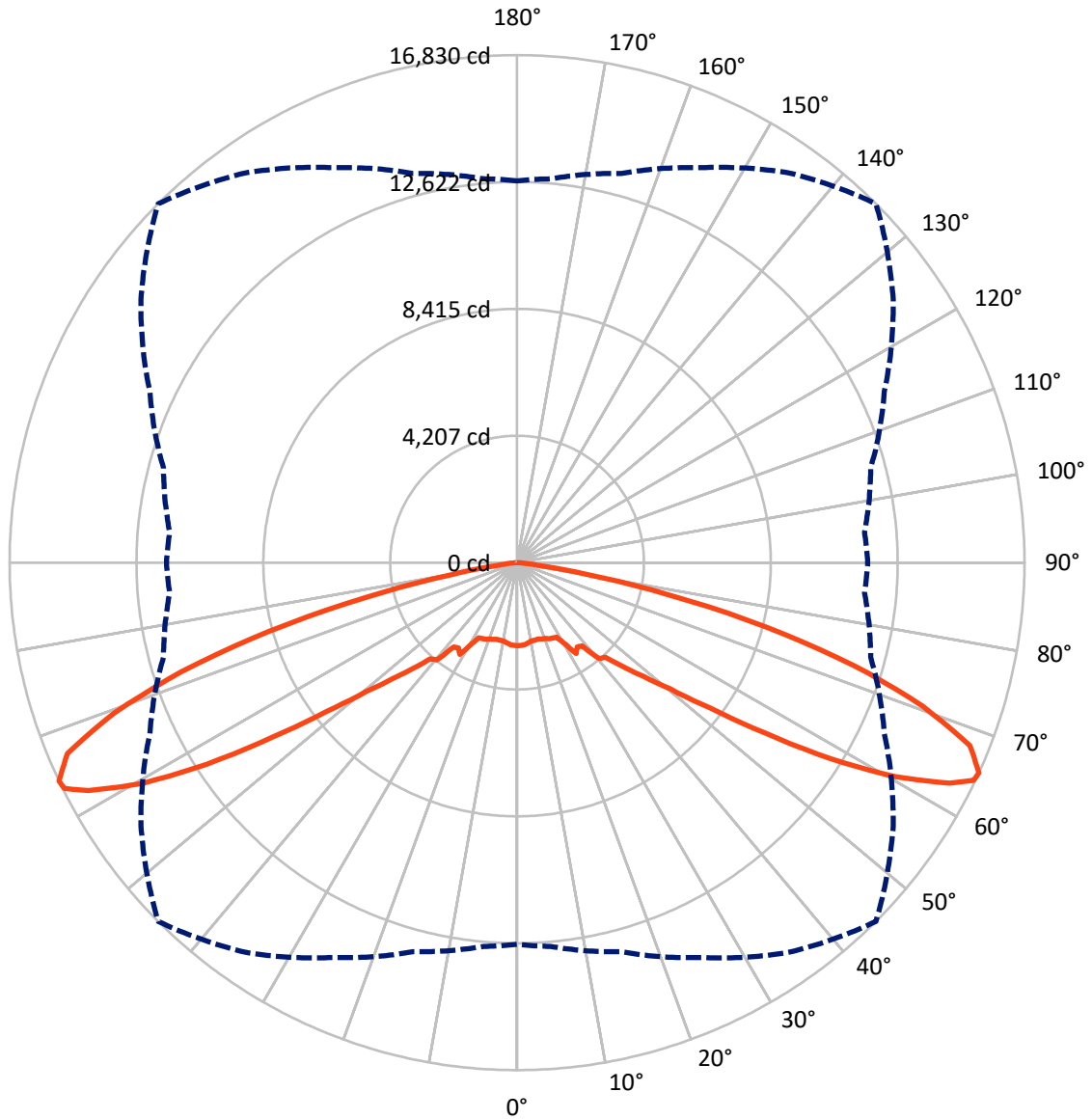
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.1 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	18022.1	0.0	18022.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18022.1	0.0	18022.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	36044.1	0.0	36044.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.6	0.7
10°-20°	759.7	2.1
20°-30°	1314.9	3.6
30°-40°	2186.5	6.1
40°-50°	3944.7	10.9
50°-60°	8787.5	24.4
60°-70°	13096.2	36.3
70°-80°	5427.2	15.1
80°-90°	268.8	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°	36044.1	100.0
0°-180°	36044.1	100.0

**Coefficient of Utilization**



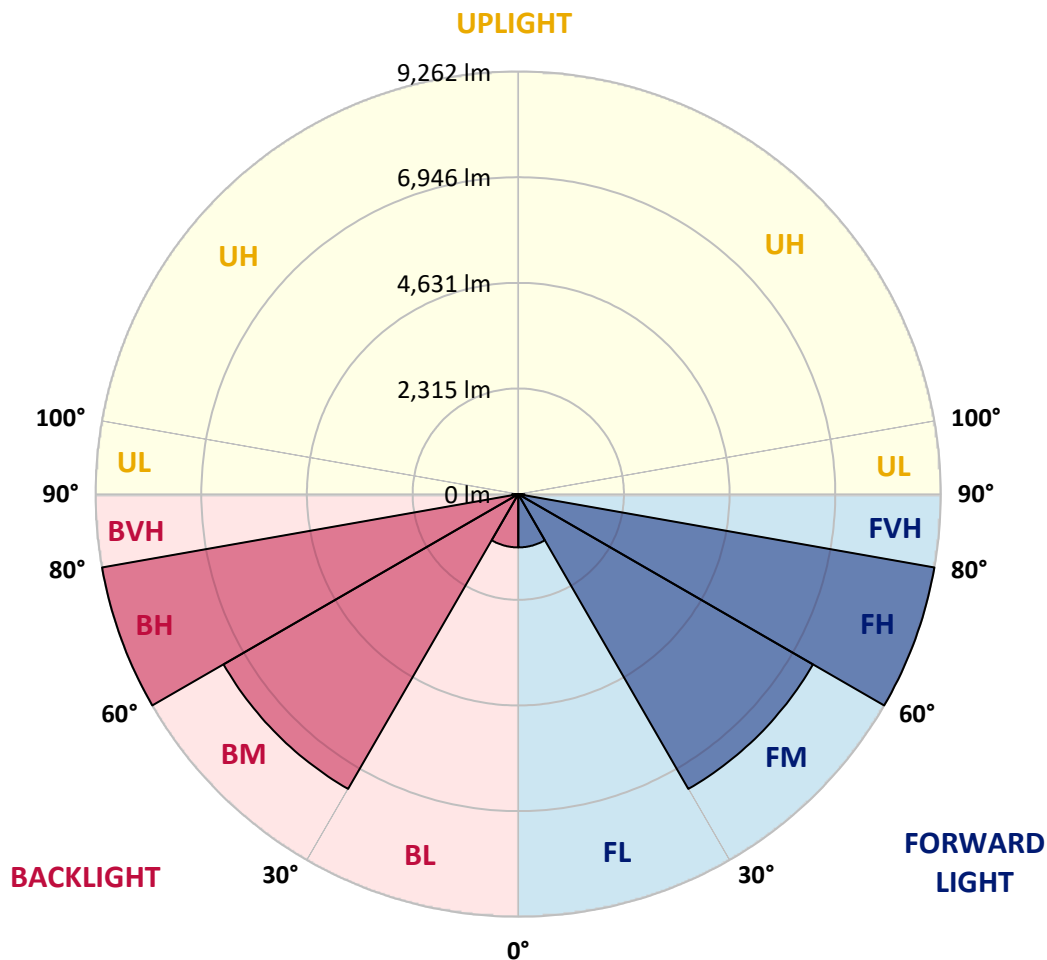
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1166.6	3.2			
FM (30°-60°)	7459.3	20.7			
FH (60°-80°)	9261.7	25.7			G4/12000
FVH (80°-90°)	134.4	0.4			G2/225
BL (0°-30°)	1166.6	3.2	B3/2500		
BM (30°-60°)	7459.3	20.7	B4/8500		
BH (60°-80°)	9261.7	25.7	B5		G4/12000
BVH (80°-90°)	134.4	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°	2755.8	2755.8	2755.8	2755.8	2755.8	2755.8	2755.8	2755.8	2755.8	2755.8	2755.8
2.5°	2723.9	2731.9	2727.9	2727.9	2739.9	2747.8	2751.8	2791.6	2775.7	2787.7	2775.7
5°	2731.9	2731.9	2739.9	2731.9	2739.9	2731.9	2739.9	2727.9	2739.9	2747.8	2759.8
7.5°	2716.0	2708.0	2696.1	2696.1	2692.1	2684.1	2672.2	2704.0	2688.1	2700.0	2720.0
10°	2720.0	2708.0	2668.2	2676.1	2640.3	2640.3	2648.3	2648.3	2684.1	2723.9	2735.9
12.5°	2720.0	2696.1	2684.1	2632.3	2632.3	2636.3	2656.2	2664.2	2688.1	2704.0	2743.8
15°	2720.0	2708.0	2688.1	2620.4	2636.3	2628.4	2648.3	2648.3	2700.0	2727.9	2747.8
17.5°	2735.9	2743.8	2708.0	2644.3	2648.3	2664.2	2652.3	2664.2	2727.9	2747.8	2775.7
20°	2739.9	2708.0	2696.1	2656.2	2692.1	2684.1	2680.1	2704.0	2723.9	2759.8	2791.6
22.5°	2731.9	2743.8	2696.1	2692.1	2723.9	2739.9	2747.8	2720.0	2743.8	2767.7	2795.6
25°	2799.6	2755.8	2743.8	2735.9	2751.8	2767.7	2759.8	2783.7	2783.7	2811.5	2847.4
27.5°	2982.8	2986.8	2962.9	2867.3	2835.4	2799.6	2815.5	2879.2	2954.9	3014.6	3026.6
30°	3066.4	3082.3	3146.1	3130.1	3118.2	3130.1	3126.2	3142.1	3150.0	3154.0	3142.1
32.5°	3142.1	3134.1	3106.2	3177.9	3412.9	3592.1	3420.8	3185.9	3134.1	3118.2	3134.1
35°	3416.9	3416.9	3357.1	3265.5	3389.0	3432.8	3353.1	3241.6	3305.4	3436.8	3444.7
37.5°	3771.3	3719.5	3743.4	3731.5	3596.1	3500.5	3639.9	3711.6	3723.5	3719.5	3759.3
40°	3982.4	3946.5	3910.7	3974.4	4097.9	4185.5	4062.0	3890.8	3934.6	4022.2	3986.3
42.5°	4464.2	4372.6	4380.6	4316.9	4312.9	4285.0	4257.1	4269.1	4332.8	4432.4	4448.3
45°	4958.0	5001.8	4974.0	4854.5	4910.3	4910.3	4830.6	4890.3	4922.2	5037.7	5053.6
47.5°	5730.6	5710.7	5722.7	5615.1	5611.1	5639.0	5611.1	5615.1	5714.7	5706.7	5662.9
50°	6634.6	6690.4	6706.3	6654.5	6590.8	6578.9	6535.1	6590.8	6650.5	6654.5	6618.7
52.5°	7885.1	7944.8	7944.8	7960.7	8040.4	8000.6	7992.6	7996.6	7881.1	7801.4	7841.3
55°	9462.1	9482.0	9549.7	9689.1	9932.0	9963.9	9812.5	9744.8	9533.8	9406.3	9505.9
57.5°	11019.2	11098.8	11286.0	11648.4	11947.1	12273.6	11835.6	11389.6	10975.4	10772.3	10808.1
60°	12313.5	12429.0	12787.4	13293.1	14121.5	14420.1	13679.4	12914.8	12074.5	11453.3	11704.2
62.5°	12922.8	13102.0	13404.6	14428.1	15670.6	16100.7	15013.5	13623.7	12349.3	11751.9	11740.0
64°	12926.7	12954.6	13559.9	14663.1	15941.4	16773.7	15336.1	13623.7	12417.0	11680.3	11815.7
65°	12659.9	12775.4	13360.8	14448.0	15770.2	16829.5	15224.6	13436.5	12138.2	11564.8	11628.5
67.5°	11449.3	11445.3	11986.9	13066.1	14902.0	16196.3	14276.8	12389.1	11449.3	10828.0	10903.7
70°	8685.5	8824.9	9342.6	10668.7	12894.9	14280.7	12484.7	10529.4	9358.5	8860.8	8832.9
72.5°	5197.0	5380.2	6041.2	7658.1	10015.6	11700.2	9908.1	7789.5	6379.7	5591.2	5611.1
75°	2369.5	2504.9	2958.9	4277.1	6674.4	8554.1	6714.3	4504.1	3229.7	2727.9	2656.2
77.5°	665.1	748.7	999.6	1963.3	3663.8	5129.3	3767.3	2170.4	1409.8	1170.8	1146.9
80°	298.7	314.6	354.4	477.9	1162.8	2262.0	1557.1	796.5	529.7	438.1	418.1
82.5°	163.3	175.2	231.0	246.9	330.5	601.3	513.7	374.3	318.6	254.9	246.9
85°	91.6	95.6	131.4	131.4	159.3	175.2	187.2	199.1	195.1	143.4	139.4
87.5°	27.9	31.9	39.8	39.8	39.8	39.8	63.7	87.6	95.6	67.7	67.7
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)