

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: P479708

Luminaire Tested: **IFLD-L-SA8B-735-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479708  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-735-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (128) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

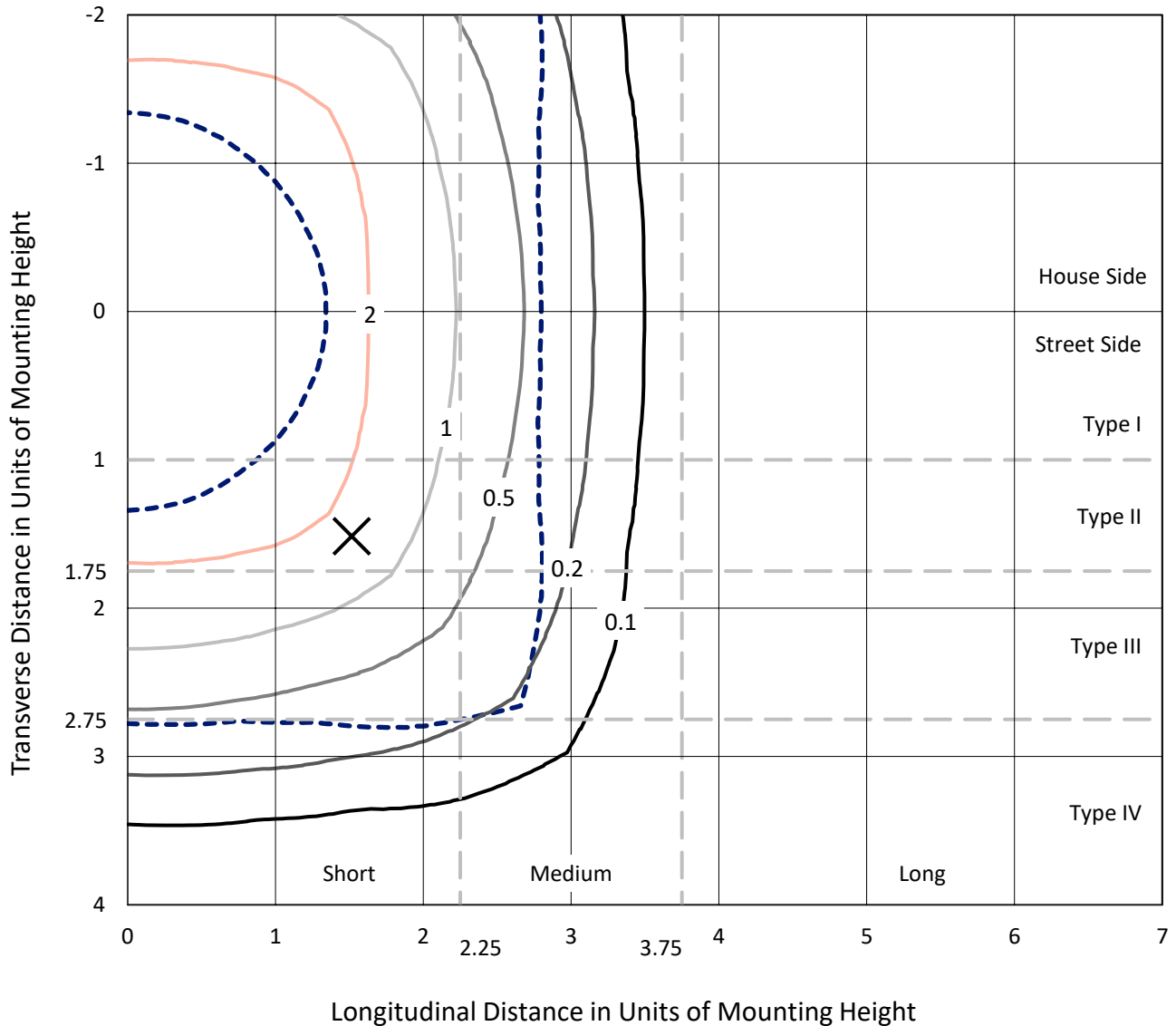
Lumens per Lamp: N/A  
Luminaire Lumens: 41192.4 lumens  
Efficiency: N/A  
Efficacy: 128.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

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

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### Iso-Footcandle Lines of Horizontal Illumination

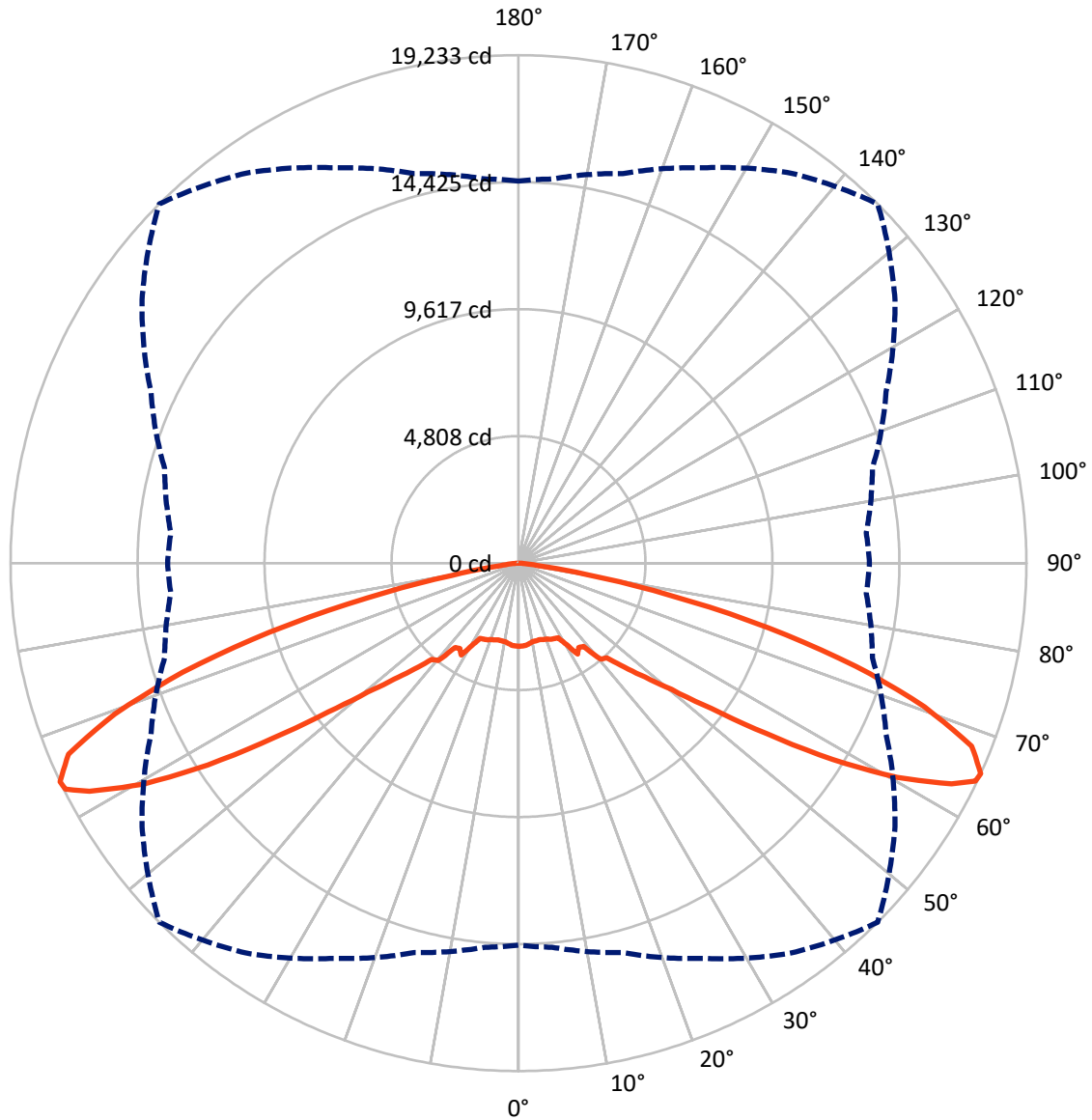
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.5 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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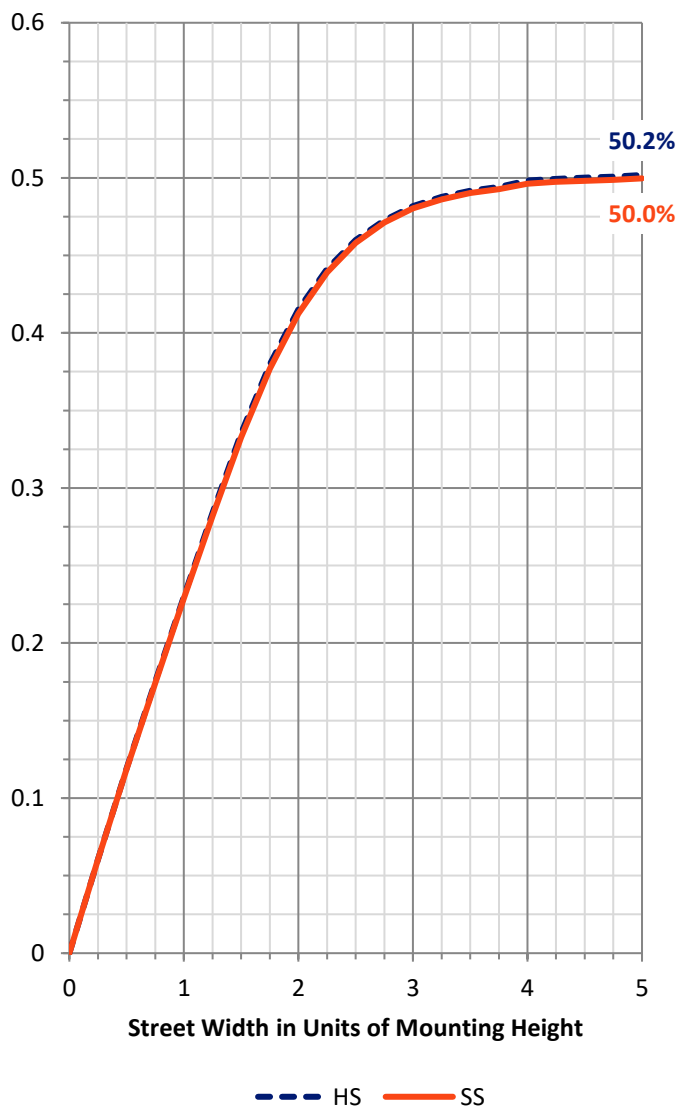
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20596.2	0.0	20596.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20596.2	0.0	20596.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41192.4	0.0	41192.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	295.6	0.7
10°-20°	868.2	2.1
20°-30°	1502.7	3.6
30°-40°	2498.8	6.1
40°-50°	4508.2	10.9
50°-60°	10042.7	24.4
60°-70°	14966.8	36.3
70°-80°	6202.4	15.1
80°-90°	307.2	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°	41192.4	100.0
0°-180°	41192.4	100.0

**Coefficient of Utilization**



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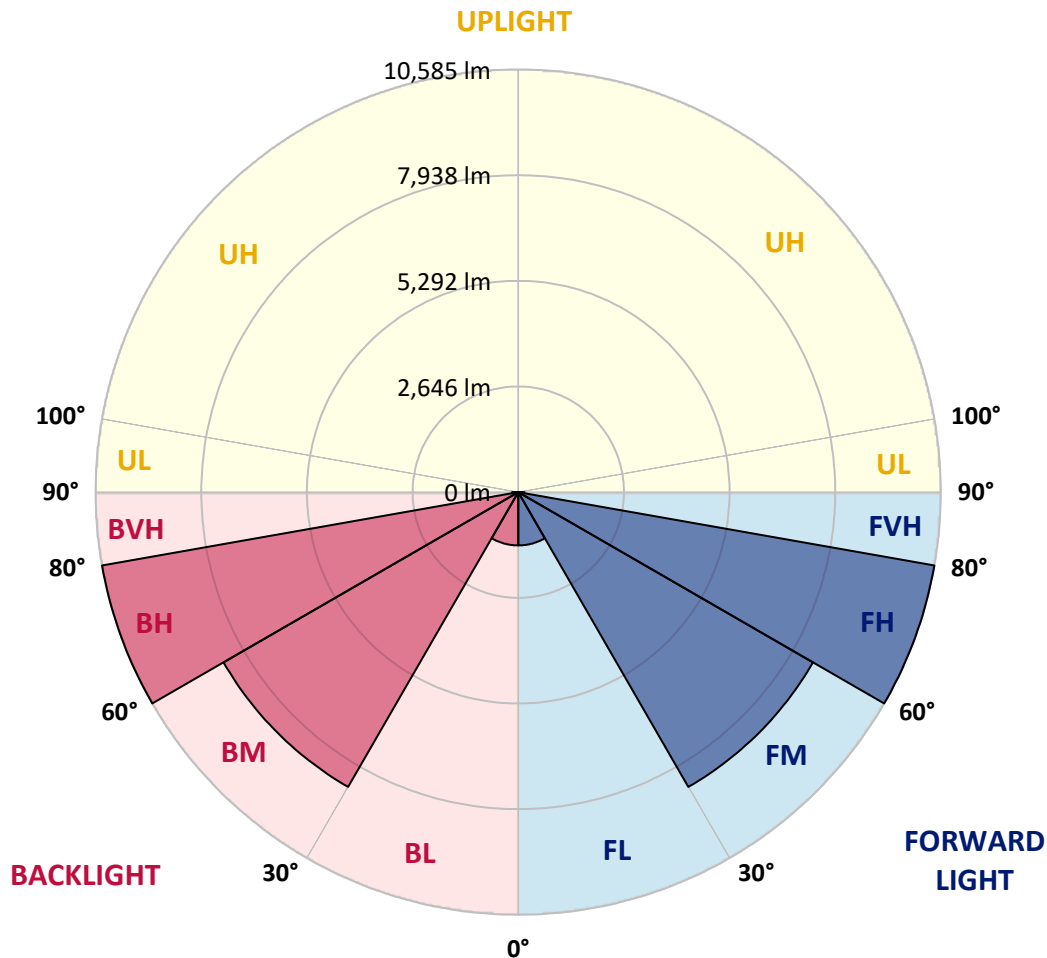
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1333.2	3.2			
FM (30°-60°)	8524.8	20.7			
FH (60°-80°)	10584.6	25.7			G4/12000
FVH (80°-90°)	153.6	0.4			G2/225
BL (0°-30°)	1333.2	3.2	B3/2500		
BM (30°-60°)	8524.8	20.7	B5		
BH (60°-80°)	10584.6	25.7	B5		G4/12000
BVH (80°-90°)	153.6	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°	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4
2.5°	3113.0	3122.1	3117.6	3117.6	3131.2	3140.3	3144.9	3190.4	3172.2	3185.8	3172.2
5°	3122.1	3122.1	3131.2	3122.1	3131.2	3122.1	3131.2	3117.6	3131.2	3140.3	3154.0
7.5°	3103.9	3094.8	3081.1	3081.1	3076.6	3067.5	3053.8	3090.2	3072.0	3085.7	3108.5
10°	3108.5	3094.8	3049.3	3058.4	3017.4	3017.4	3026.5	3026.5	3067.5	3113.0	3126.7
12.5°	3108.5	3081.1	3067.5	3008.3	3008.3	3012.9	3035.6	3044.7	3072.0	3090.2	3135.8
15°	3108.5	3094.8	3072.0	2994.7	3012.9	3003.8	3026.5	3026.5	3085.7	3117.6	3140.3
17.5°	3126.7	3135.8	3094.8	3022.0	3026.5	3044.7	3031.1	3044.7	3117.6	3140.3	3172.2
20°	3131.2	3094.8	3081.1	3035.6	3076.6	3067.5	3062.9	3090.2	3113.0	3154.0	3190.4
22.5°	3122.1	3135.8	3081.1	3076.6	3113.0	3131.2	3140.3	3108.5	3135.8	3163.1	3194.9
25°	3199.5	3149.4	3135.8	3126.7	3144.9	3163.1	3154.0	3181.3	3181.3	3213.1	3254.1
27.5°	3408.8	3413.4	3386.1	3276.8	3240.4	3199.5	3217.7	3290.5	3377.0	3445.2	3458.9
30°	3504.4	3522.6	3595.4	3577.2	3563.6	3577.2	3572.7	3590.9	3600.0	3604.5	3590.9
32.5°	3590.9	3581.8	3549.9	3631.8	3900.4	4105.2	3909.5	3640.9	3581.8	3563.6	3581.8
35°	3904.9	3904.9	3836.6	3732.0	3873.1	3923.1	3832.1	3704.7	3777.5	3927.7	3936.8
37.5°	4310.0	4250.8	4278.1	4264.5	4109.7	4000.5	4159.8	4241.7	4255.4	4250.8	4296.3
40°	4551.2	4510.2	4469.3	4542.1	4683.2	4783.3	4642.2	4446.5	4496.6	4596.7	4555.7
42.5°	5101.9	4997.2	5006.3	4933.5	4928.9	4897.1	4865.2	4878.9	4951.7	5065.5	5083.7
45°	5666.2	5716.3	5684.4	5547.9	5611.6	5611.6	5520.6	5588.8	5625.3	5757.2	5775.4
47.5°	6549.1	6526.4	6540.0	6417.2	6412.6	6444.5	6412.6	6417.2	6530.9	6521.8	6471.8
50°	7582.3	7646.0	7664.2	7605.0	7532.2	7518.5	7468.5	7532.2	7600.5	7605.0	7564.1
52.5°	9011.3	9079.6	9079.6	9097.8	9188.8	9143.3	9134.2	9138.8	9006.8	8915.8	8961.3
55°	10813.6	10836.4	10913.7	11073.0	11350.6	11387.0	11214.1	11136.7	10895.5	10749.9	10863.7
57.5°	12593.1	12684.1	12898.0	13312.2	13653.5	14026.7	13526.1	13016.4	12543.0	12310.9	12351.9
60°	14072.2	14204.2	14613.8	15191.8	16138.5	16479.8	15633.3	14759.5	13799.2	13089.2	13375.9
62.5°	14768.6	14973.4	15319.3	16488.9	17908.9	18400.4	17157.9	15569.6	14113.2	13430.5	13416.9
64°	14773.1	14805.0	15496.8	16757.4	18218.4	19169.6	17526.6	15569.6	14190.6	13348.6	13503.3
65°	14468.2	14600.2	15269.2	16511.7	18022.7	19233.3	17399.1	15355.7	13872.0	13216.6	13289.4
67.5°	13084.6	13080.1	13699.0	14932.4	17030.5	18509.6	16316.0	14158.7	13084.6	12374.6	12461.1
70°	9926.1	10085.4	10677.1	12192.6	14736.7	16320.5	14267.9	12033.3	10695.3	10126.4	10094.5
72.5°	5939.3	6148.6	6904.1	8751.9	11446.2	13371.4	11323.3	8902.1	7291.0	6389.9	6412.6
75°	2708.0	2862.7	3381.5	4888.0	7627.8	9775.9	7673.3	5147.4	3691.0	3117.6	3035.6
77.5°	760.0	855.6	1142.3	2243.7	4187.1	5861.9	4305.4	2480.4	1611.1	1338.0	1310.7
80°	341.3	359.5	405.1	546.1	1328.9	2585.1	1779.5	910.2	605.3	500.6	477.9
82.5°	186.6	200.3	264.0	282.2	377.7	687.2	587.1	427.8	364.1	291.3	282.2
85°	104.7	109.2	150.2	150.2	182.0	200.3	213.9	227.6	223.0	163.8	159.3
87.5°	31.9	36.4	45.5	45.5	45.5	45.5	72.8	100.1	109.2	77.4	77.4
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)