

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: P479709

Luminaire Tested: **IFLD-L-SA8C-735-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479709  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8C-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**

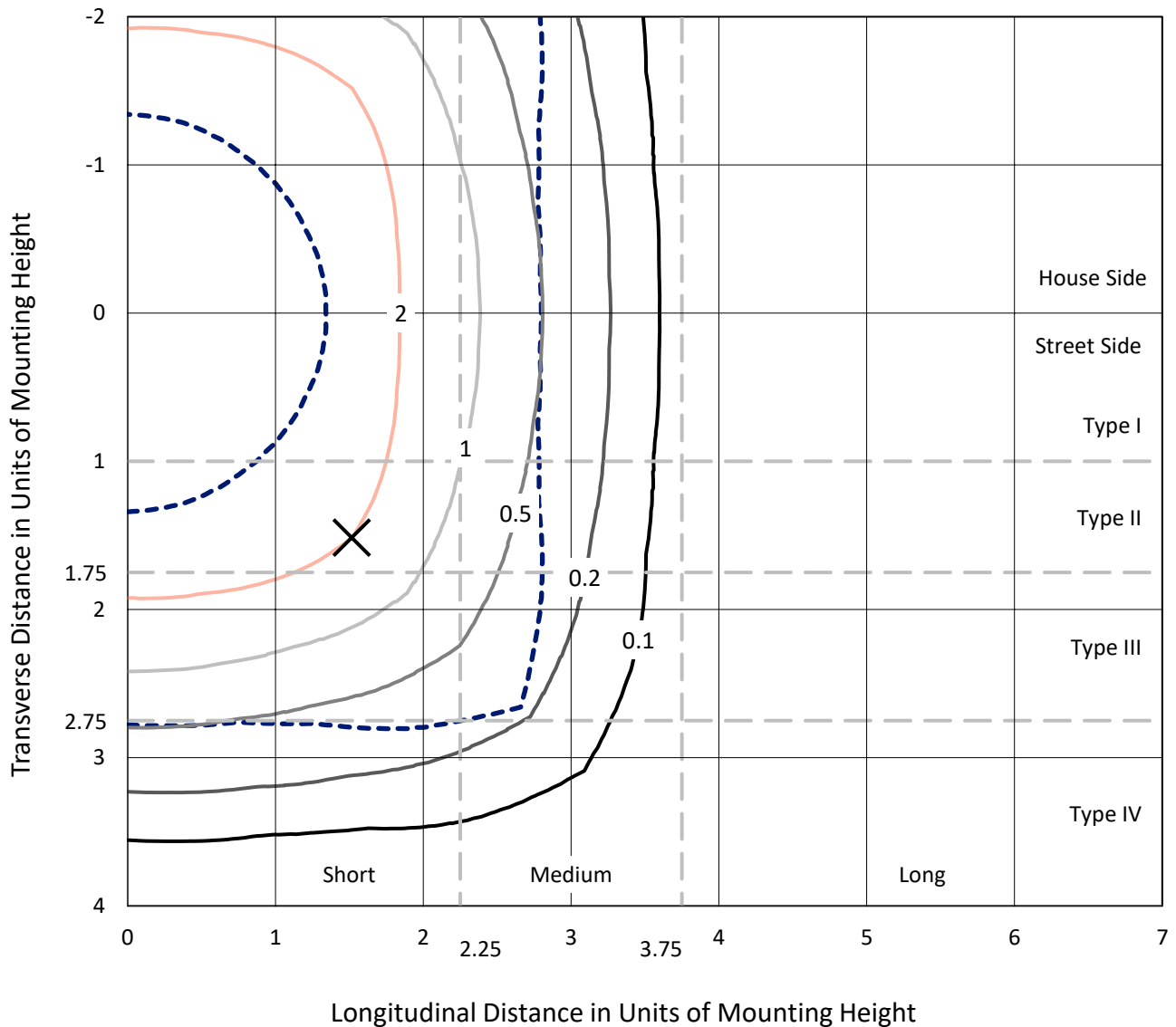
Lumens per Lamp: N/A  
Luminaire Lumens: 51278.6 lumens  
Efficiency: N/A  
Efficacy: 122.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 420.3  
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

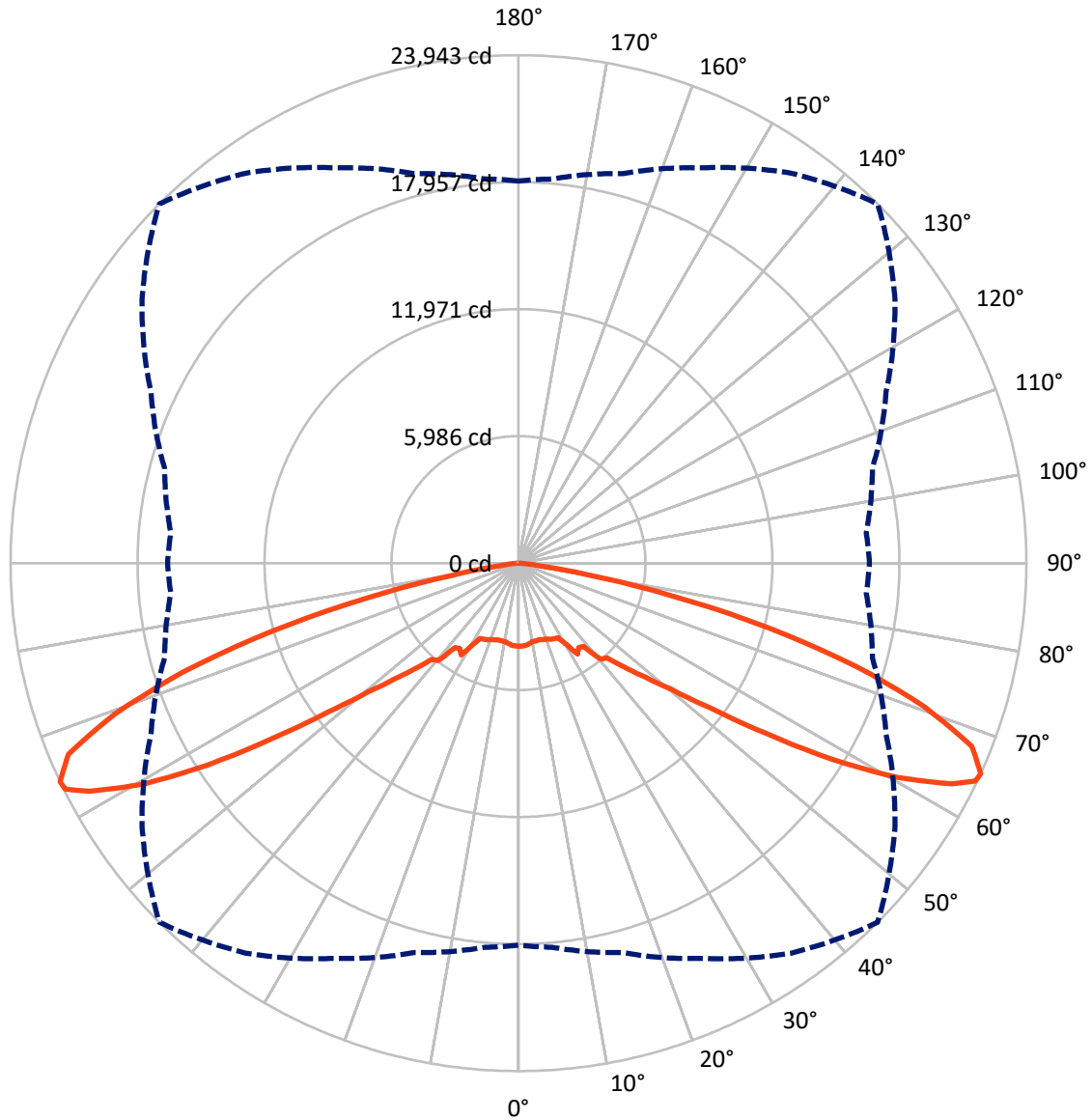
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.4 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	25639.3	0.0	25639.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	25639.3	0.0	25639.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	51278.6	0.0	51278.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	367.9	0.7
10°-20°	1080.7	2.1
20°-30°	1870.7	3.6
30°-40°	3110.6	6.1
40°-50°	5612.0	10.9
50°-60°	12501.6	24.4
60°-70°	18631.5	36.3
70°-80°	7721.1	15.1
80°-90°	382.4	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°	51278.6	100.0
0°-180°	51278.6	100.0

**Coefficient of Utilization**



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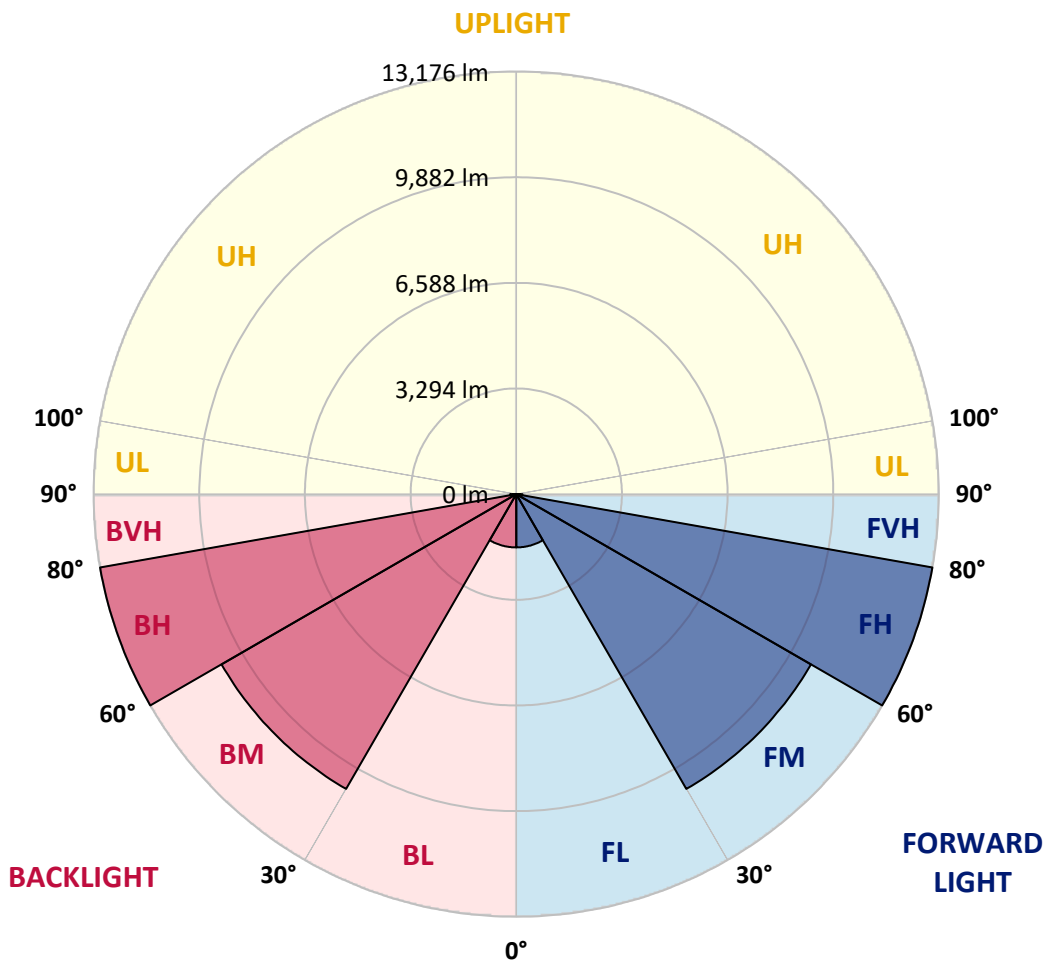
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1659.7	3.2			
FM (30°-60°)	10612.1	20.7			
FH (60°-80°)	13176.3	25.7			G5
FVH (80°-90°)	191.2	0.4			G2/225
BL (0°-30°)	1659.7	3.2	B3/2500		
BM (30°-60°)	10612.1	20.7	B5		
BH (60°-80°)	13176.3	25.7	B5		G5
BVH (80°-90°)	191.2	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-G5**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3920.6	3920.6	3920.6	3920.6	3920.6	3920.6	3920.6	3920.6	3920.6	3920.6	3920.6
2.5°	3875.2	3886.6	3880.9	3880.9	3897.9	3909.2	3914.9	3971.6	3948.9	3965.9	3948.9
5°	3886.6	3886.6	3897.9	3886.6	3897.9	3886.6	3897.9	3880.9	3897.9	3909.2	3926.2
7.5°	3863.9	3852.6	3835.6	3835.6	3829.9	3818.6	3801.6	3846.9	3824.3	3841.2	3869.6
10°	3869.6	3852.6	3795.9	3807.3	3756.3	3756.3	3767.6	3767.6	3818.6	3875.2	3892.2
12.5°	3869.6	3835.6	3818.6	3744.9	3744.9	3750.6	3778.9	3790.3	3824.3	3846.9	3903.6
15°	3869.6	3852.6	3824.3	3727.9	3750.6	3739.3	3767.6	3767.6	3841.2	3880.9	3909.2
17.5°	3892.2	3903.6	3852.6	3761.9	3767.6	3790.3	3773.3	3790.3	3880.9	3909.2	3948.9
20°	3897.9	3852.6	3835.6	3778.9	3829.9	3818.6	3812.9	3846.9	3875.2	3926.2	3971.6
22.5°	3886.6	3903.6	3835.6	3829.9	3875.2	3897.9	3909.2	3869.6	3903.6	3937.6	3977.2
25°	3982.9	3920.6	3903.6	3892.2	3914.9	3937.6	3926.2	3960.2	3960.2	3999.9	4050.9
27.5°	4243.5	4249.2	4215.2	4079.2	4033.9	3982.9	4005.5	4096.2	4203.8	4288.8	4305.8
30°	4362.5	4385.1	4475.8	4453.1	4436.1	4453.1	4447.5	4470.1	4481.5	4487.1	4470.1
32.5°	4470.1	4458.8	4419.1	4521.1	4855.4	5110.3	4866.7	4532.4	4458.8	4436.1	4458.8
35°	4861.0	4861.0	4776.1	4645.8	4821.4	4883.7	4770.4	4611.8	4702.4	4889.4	4900.7
37.5°	5365.3	5291.6	5325.6	5308.6	5116.0	4980.0	5178.3	5280.3	5297.3	5291.6	5348.3
40°	5665.6	5614.6	5563.6	5654.2	5829.9	5954.5	5778.9	5535.2	5597.6	5722.2	5671.2
42.5°	6351.1	6220.8	6232.1	6141.5	6135.8	6096.1	6056.5	6073.5	6164.1	6305.8	6328.4
45°	7053.6	7115.9	7076.3	6906.3	6985.6	6985.6	6872.3	6957.3	7002.6	7166.9	7189.6
47.5°	8152.7	8124.4	8141.4	7988.4	7982.8	8022.4	7982.8	7988.4	8130.1	8118.7	8056.4
50°	9438.8	9518.1	9540.8	9467.1	9376.5	9359.5	9297.2	9376.5	9461.5	9467.1	9416.2
52.5°	11217.8	11302.8	11302.8	11325.4	11438.8	11382.1	11370.8	11376.4	11212.1	11098.8	11155.5
55°	13461.4	13489.7	13586.0	13784.3	14129.9	14175.2	13959.9	13863.6	13563.3	13382.0	13523.7
57.5°	15676.6	15789.9	16056.2	16571.8	16996.7	17461.2	16838.0	16203.5	15614.3	15325.3	15376.3
60°	17517.9	17682.2	18192.1	18911.6	20090.1	20515.0	19461.2	18373.4	17178.0	16294.1	16651.1
62.5°	18384.7	18639.7	19070.3	20526.3	22294.0	22905.8	21359.1	19381.9	17568.9	16719.1	16702.1
64°	18390.4	18430.1	19291.2	20860.6	22679.2	23863.3	21818.1	19381.9	17665.2	16617.1	16809.7
65°	18010.8	18175.1	19007.9	20554.6	22435.6	23942.6	21659.4	19115.6	17268.6	16452.8	16543.4
67.5°	16288.5	16282.8	17053.3	18588.7	21200.5	23041.8	20311.0	17625.5	16288.5	15404.6	15512.3
70°	12356.6	12554.9	13291.4	15178.0	18345.1	20316.7	17761.5	14979.7	13314.1	12605.9	12566.2
72.5°	7393.6	7654.2	8594.6	10894.9	14248.9	16645.4	14095.9	11081.8	9076.2	7954.4	7982.8
75°	3371.0	3563.6	4209.5	6084.8	9495.5	12169.6	9552.1	6407.7	4594.8	3880.9	3778.9
77.5°	946.1	1065.1	1422.1	2793.1	5212.3	7297.2	5359.6	3087.7	2005.6	1665.7	1631.7
80°	424.9	447.6	504.2	679.9	1654.3	3218.0	2215.2	1133.1	753.5	623.2	594.9
82.5°	232.3	249.3	328.6	351.3	470.2	855.5	730.9	532.6	453.2	362.6	351.3
85°	130.3	136.0	187.0	187.0	226.6	249.3	266.3	283.3	277.6	204.0	198.3
87.5°	39.7	45.3	56.7	56.7	56.7	56.7	90.6	124.6	136.0	96.3	96.3
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)