

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: P479744

Luminaire Tested: **IFLD-L-SA7D-740-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479744  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7D-740-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (112) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

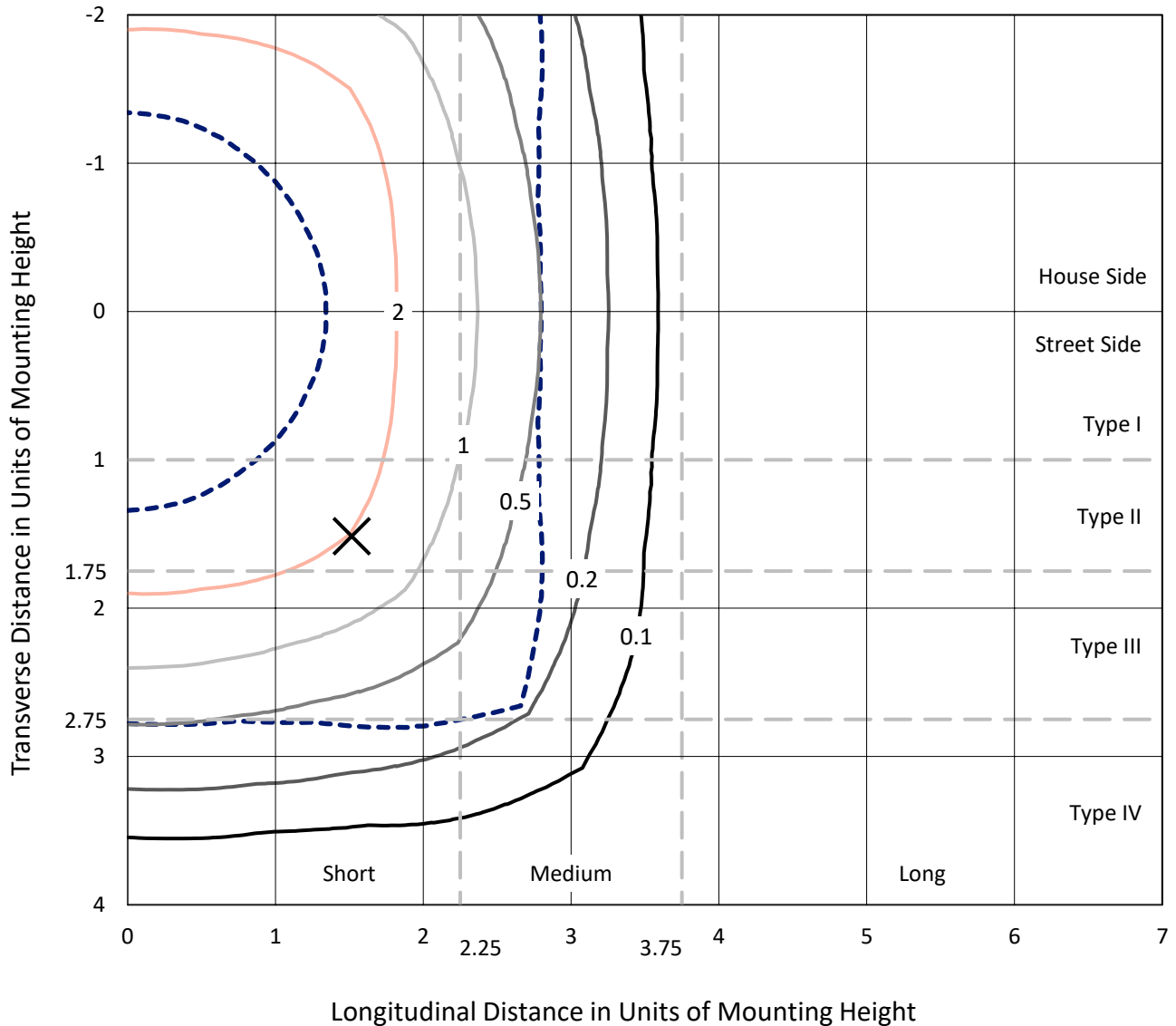
Lumens per Lamp: N/A  
Luminaire Lumens: 50056.6 lumens  
Efficiency: N/A  
Efficacy: 118.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 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

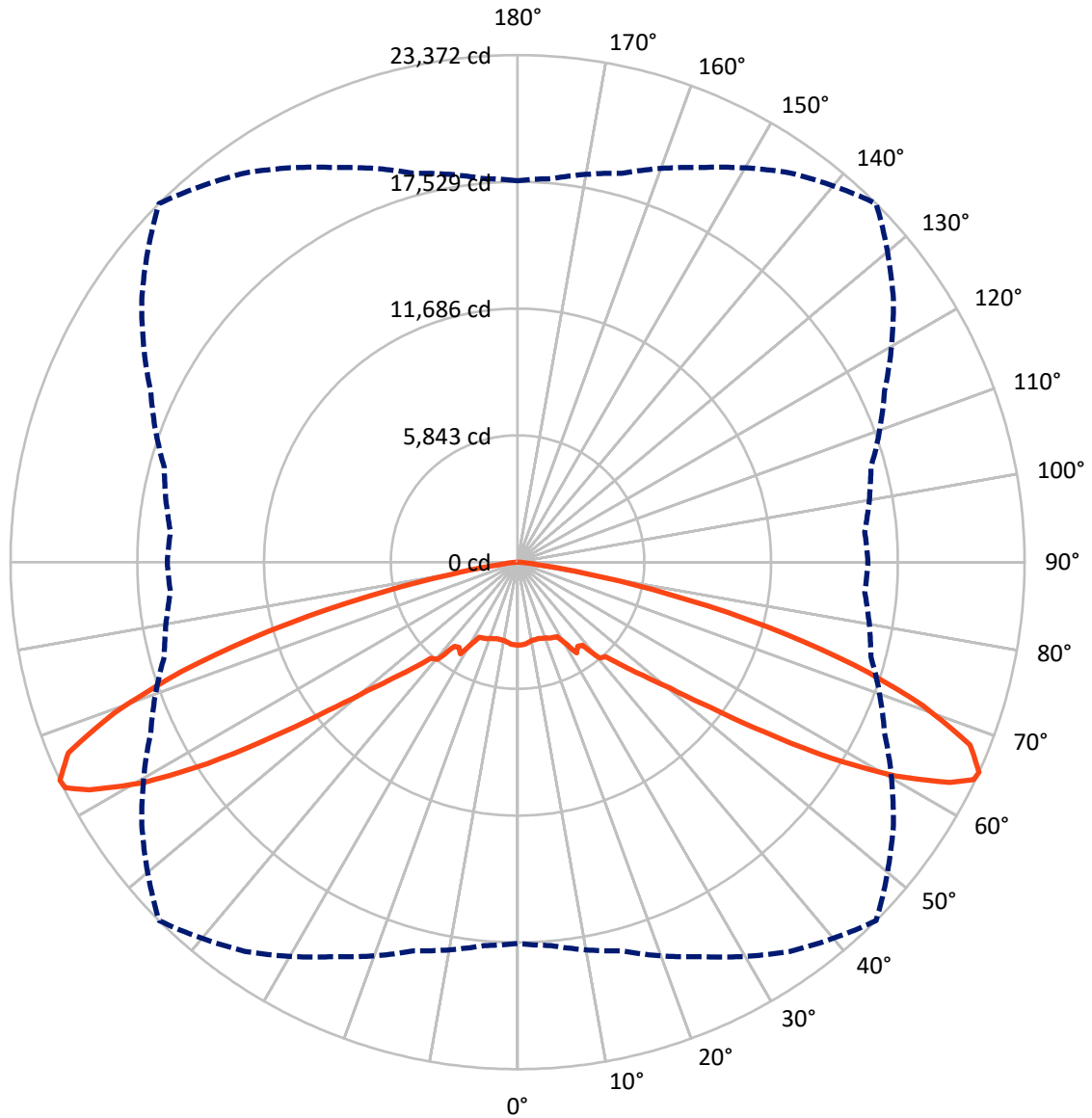
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.3 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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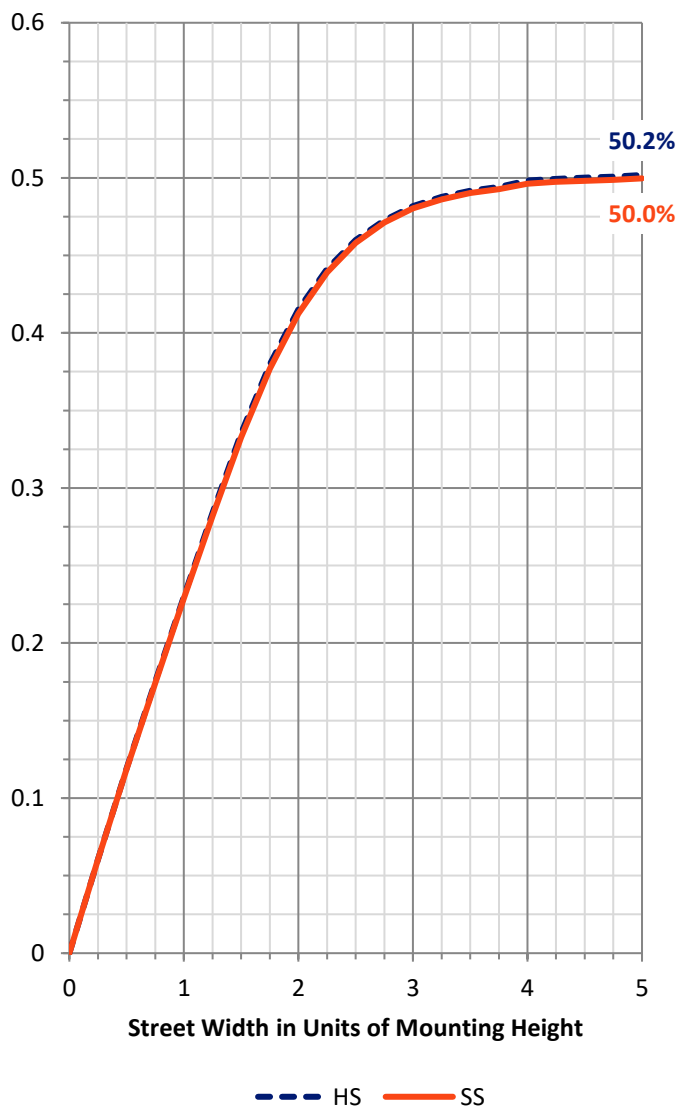
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	25028.3	0.0	25028.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	25028.3	0.0	25028.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	50056.6	0.0	50056.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	359.2	0.7
10°-20°	1055.0	2.1
20°-30°	1826.1	3.6
30°-40°	3036.5	6.1
40°-50°	5478.3	10.9
50°-60°	12203.7	24.4
60°-70°	18187.5	36.3
70°-80°	7537.1	15.1
80°-90°	373.3	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°	50056.6	100.0
0°-180°	50056.6	100.0

**Coefficient of Utilization**



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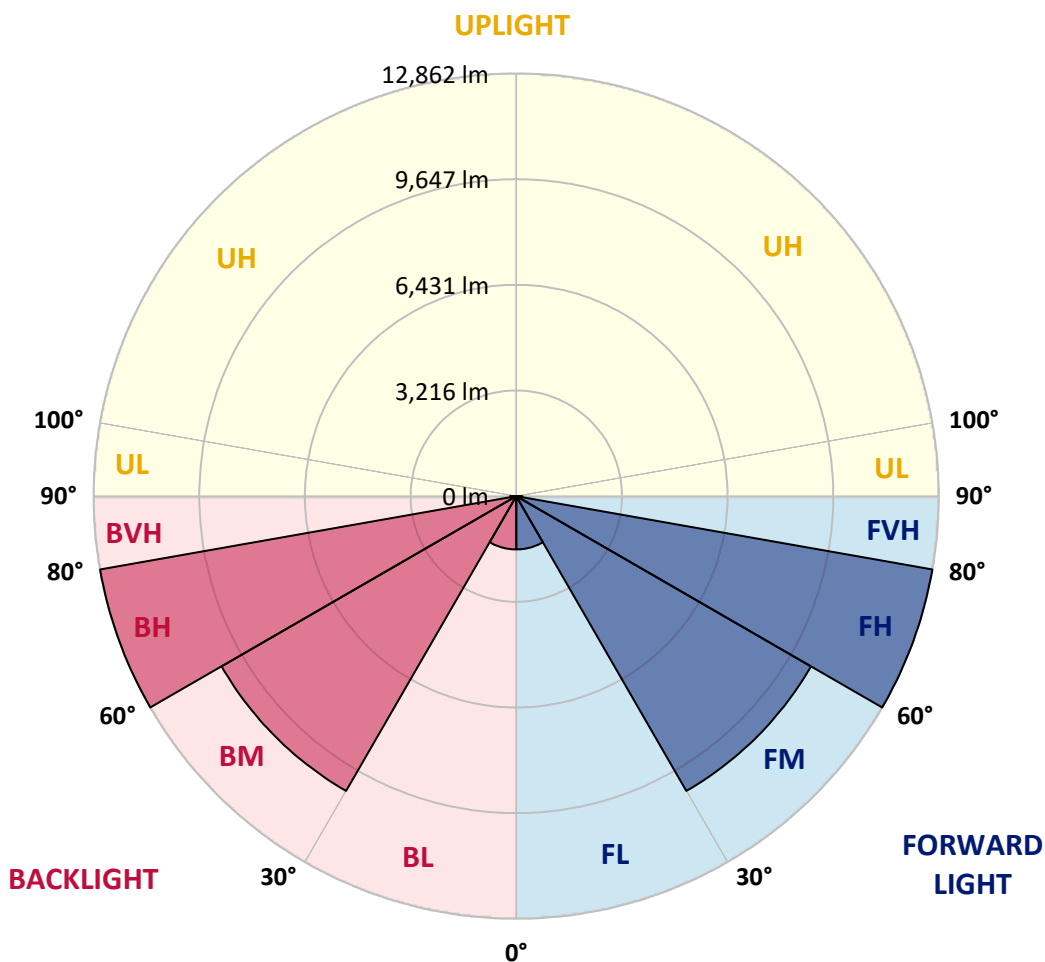
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1620.1	3.2			
FM (30°-60°)	10359.2	20.7			
FH (60°-80°)	12862.3	25.7			G5
FVH (80°-90°)	186.6	0.4			G2/225
BL (0°-30°)	1620.1	3.2	B3/2500		
BM (30°-60°)	10359.2	20.7	B5		
BH (60°-80°)	12862.3	25.7	B5		G5
BVH (80°-90°)	186.6	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-G5**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3827.1	3827.1	3827.1	3827.1	3827.1	3827.1	3827.1	3827.1	3827.1	3827.1	3827.1
2.5°	3782.9	3794.0	3788.4	3788.4	3805.0	3816.1	3821.6	3876.9	3854.8	3871.4	3854.8
5°	3794.0	3794.0	3805.0	3794.0	3805.0	3794.0	3805.0	3788.4	3805.0	3816.1	3832.7
7.5°	3771.8	3760.8	3744.2	3744.2	3738.6	3727.6	3711.0	3755.2	3733.1	3749.7	3777.4
10°	3777.4	3760.8	3705.5	3716.5	3666.8	3666.8	3677.8	3677.8	3727.6	3782.9	3799.5
12.5°	3777.4	3744.2	3727.6	3655.7	3655.7	3661.2	3688.9	3699.9	3733.1	3755.2	3810.5
15°	3777.4	3760.8	3733.1	3639.1	3661.2	3650.2	3677.8	3677.8	3749.7	3788.4	3816.1
17.5°	3799.5	3810.5	3760.8	3672.3	3677.8	3699.9	3683.3	3699.9	3788.4	3816.1	3854.8
20°	3805.0	3760.8	3744.2	3688.9	3738.6	3727.6	3722.1	3755.2	3782.9	3832.7	3876.9
22.5°	3794.0	3810.5	3744.2	3738.6	3782.9	3805.0	3816.1	3777.4	3810.5	3843.7	3882.4
25°	3888.0	3827.1	3810.5	3799.5	3821.6	3843.7	3832.7	3865.9	3865.9	3904.6	3954.3
27.5°	4142.4	4147.9	4114.7	3982.0	3937.7	3888.0	3910.1	3998.6	4103.7	4186.6	4203.2
30°	4258.5	4280.6	4369.1	4347.0	4330.4	4347.0	4341.5	4363.6	4374.7	4380.2	4363.6
32.5°	4363.6	4352.5	4313.8	4413.4	4739.7	4988.6	4750.7	4424.4	4352.5	4330.4	4352.5
35°	4745.2	4745.2	4662.2	4535.0	4706.5	4767.3	4656.7	4501.9	4590.4	4772.9	4783.9
37.5°	5237.4	5165.5	5198.7	5182.1	4994.1	4861.3	5054.9	5154.5	5171.1	5165.5	5220.8
40°	5530.5	5480.8	5431.0	5519.5	5690.9	5812.6	5641.2	5403.3	5464.2	5585.8	5536.1
42.5°	6199.7	6072.5	6083.6	5995.1	5989.6	5950.9	5912.2	5928.7	6017.2	6155.5	6177.6
45°	6885.5	6946.4	6907.6	6741.7	6819.2	6819.2	6708.5	6791.5	6835.8	6996.1	7018.3
47.5°	7958.5	7930.8	7947.4	7798.1	7792.5	7831.3	7792.5	7798.1	7936.3	7925.3	7864.4
50°	9213.9	9291.3	9313.4	9241.5	9153.1	9136.5	9075.6	9153.1	9236.0	9241.5	9191.8
52.5°	10950.5	11033.4	11033.4	11055.6	11166.2	11110.9	11099.8	11105.3	10944.9	10834.3	10889.6
55°	13140.6	13168.2	13262.2	13455.8	13793.2	13837.4	13627.3	13533.2	13240.1	13063.1	13201.4
57.5°	15303.0	15413.6	15673.6	16176.8	16591.6	17045.1	16436.8	15817.4	15242.2	14960.1	15009.9
60°	17100.4	17260.8	17758.6	18461.0	19611.3	20026.1	18997.4	17935.6	16768.6	15905.8	16254.3
62.5°	17946.6	18195.5	18615.8	20037.2	21762.7	22360.0	20850.2	18920.0	17150.2	16320.6	16304.0
64°	17952.1	17990.9	18831.5	20363.5	22138.8	23294.7	21298.1	18920.0	17244.2	16221.1	16409.1
65°	17581.6	17742.0	18555.0	20064.8	21901.0	23372.1	21143.3	18660.1	16857.1	16060.7	16149.2
67.5°	15900.3	15894.8	16646.9	18145.7	20695.3	22492.7	19827.0	17205.5	15900.3	15037.5	15142.6
70°	12062.1	12255.7	12974.7	14816.3	17907.9	19832.5	17338.3	14622.8	12996.8	12305.5	12266.7
72.5°	7217.4	7471.8	8389.8	10635.2	13909.3	16248.7	13760.0	10817.7	8859.9	7764.9	7792.5
75°	3290.7	3478.7	4109.2	5939.8	9269.2	11879.6	9324.5	6255.0	4485.3	3788.4	3688.9
77.5°	923.6	1039.7	1388.2	2726.6	5088.1	7123.3	5231.9	3014.1	1957.8	1626.0	1592.8
80°	414.8	436.9	492.2	663.7	1614.9	3141.3	2162.4	1106.1	735.6	608.4	580.7
82.5°	226.8	243.3	320.8	342.9	459.0	835.1	713.4	519.9	442.4	354.0	342.9
85°	127.2	132.7	182.5	182.5	221.2	243.3	259.9	276.5	271.0	199.1	193.6
87.5°	38.7	44.2	55.3	55.3	55.3	55.3	88.5	121.7	132.7	94.0	94.0
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)