

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: P479746

Luminaire Tested: **IFLD-L-SA8A-740-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479746  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-740-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (128) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

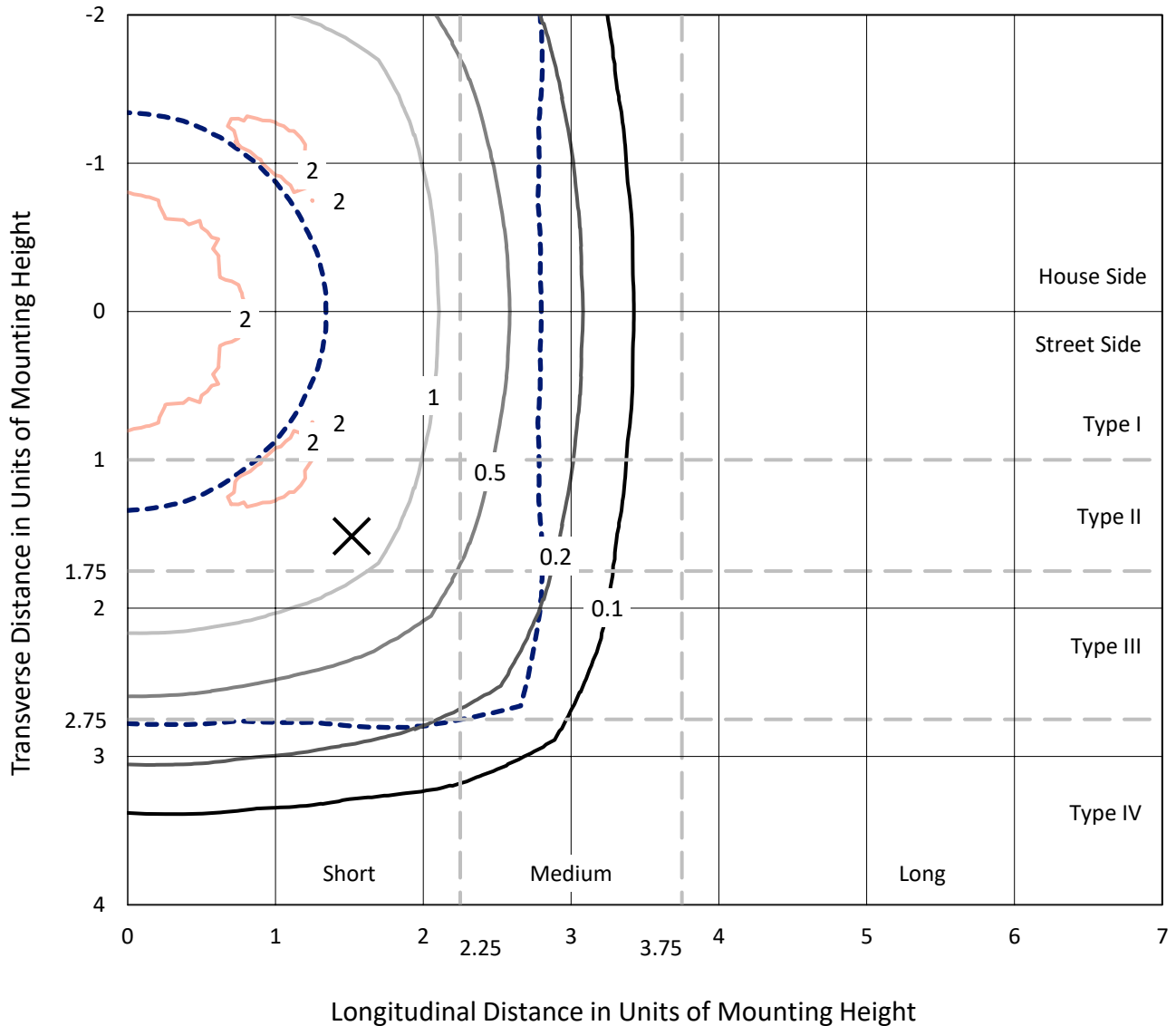
Lumens per Lamp: N/A  
Luminaire Lumens: 35153.4 lumens  
Efficiency: N/A  
Efficacy: 141.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 247.8  
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

REPORT NUMBER: P479746  
 CATALOG NUMBER: IFLD-L-SA8A-740-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

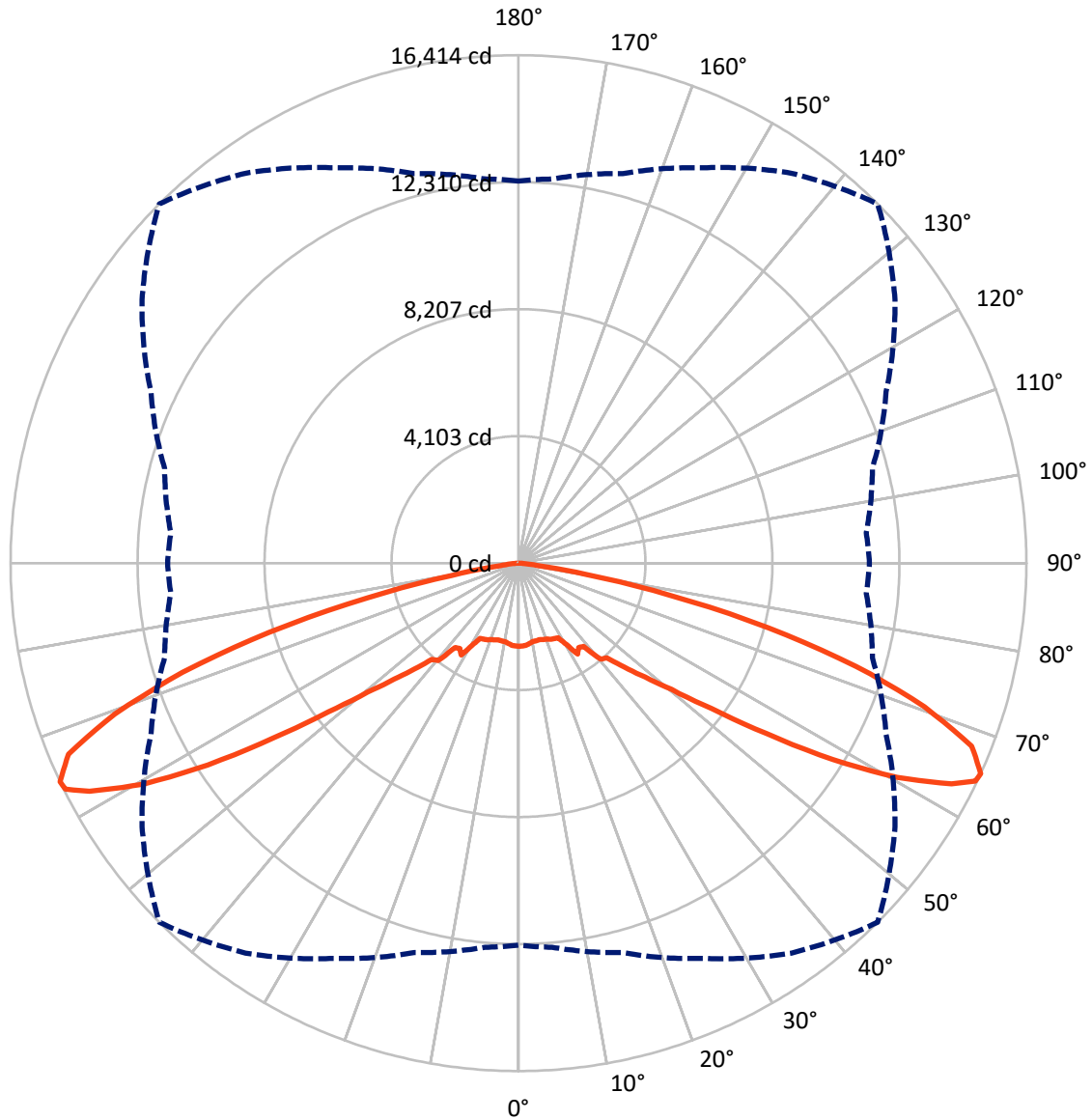
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3 fc  
 Type V - Short - N/A

REPORT NUMBER: P479746  
CATALOG NUMBER: IFLD-L-SA8A-740-U-5WQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P479746

CATALOG NUMBER: IFLD-L-SA8A-740-U-5WQ

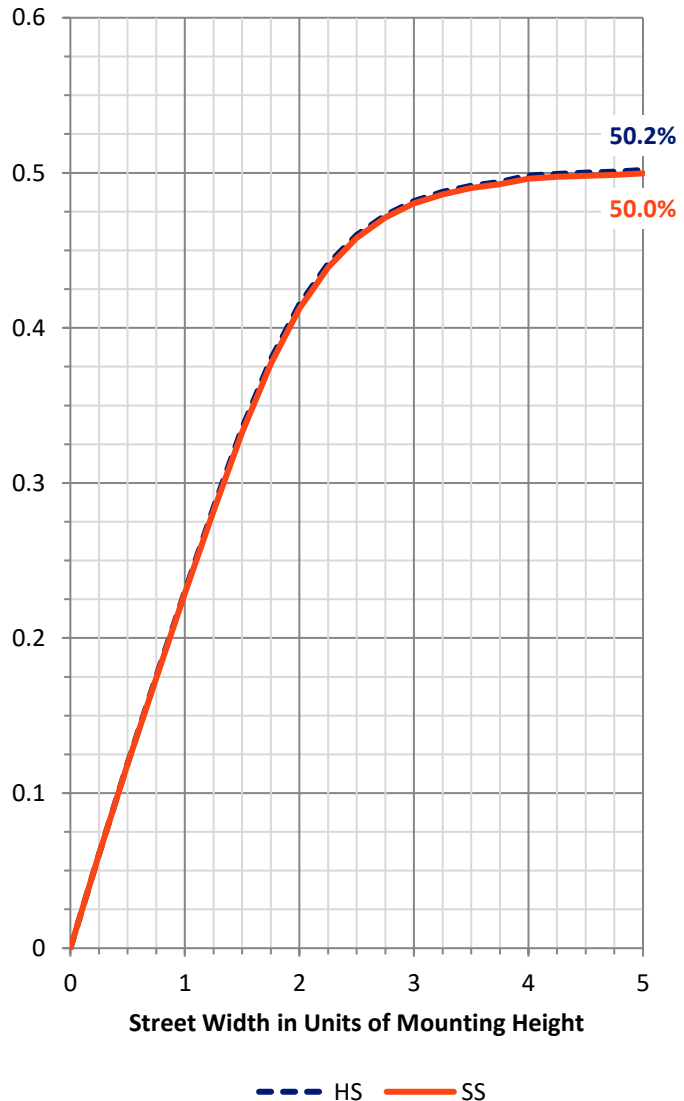
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17576.7	0.0	17576.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17576.7	0.0	17576.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35153.4	0.0	35153.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	252.2	0.7
10°-20°	740.9	2.1
20°-30°	1282.4	3.6
30°-40°	2132.4	6.1
40°-50°	3847.2	10.9
50°-60°	8570.4	24.4
60°-70°	12772.6	36.3
70°-80°	5293.1	15.1
80°-90°	262.2	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°	35153.4	100.0
0°-180°	35153.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P479746

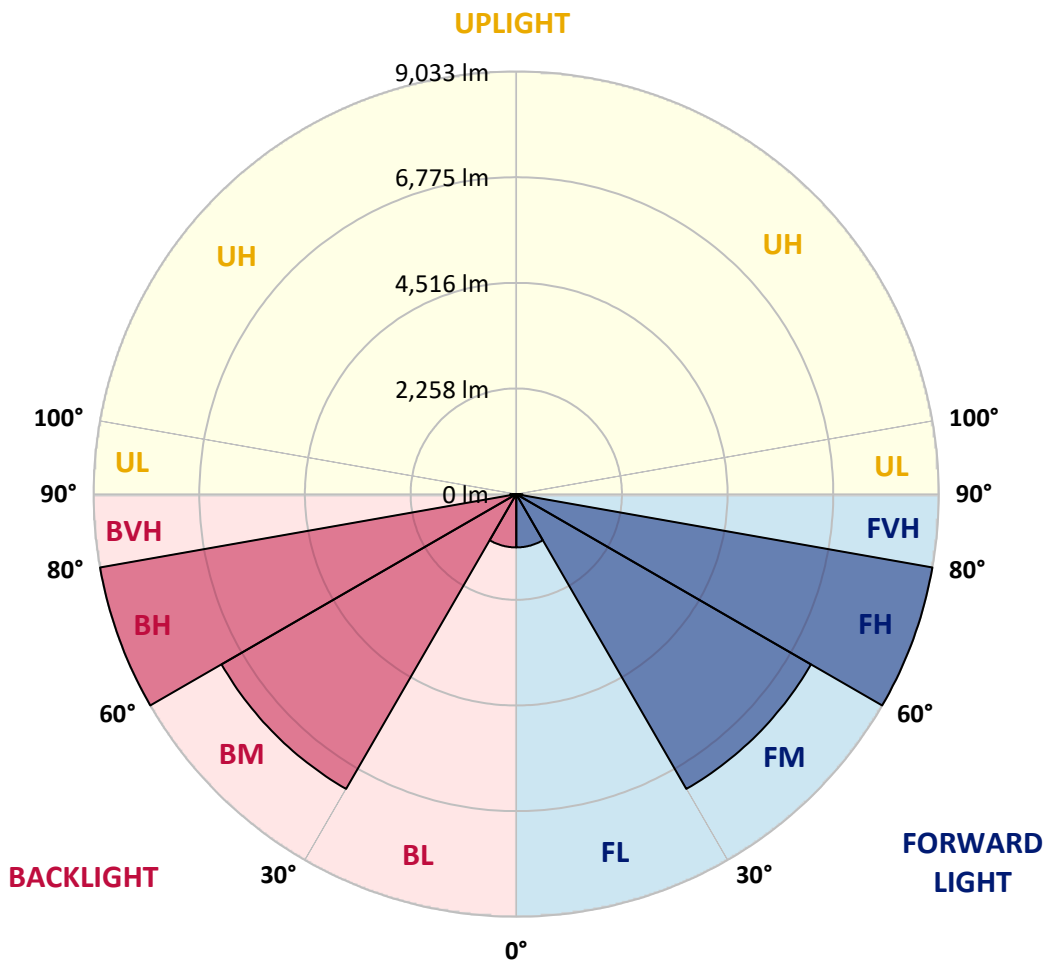
CATALOG NUMBER: IFLD-L-SA8A-740-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1137.8	3.2			
FM (30°-60°)	7275.0	20.7			
FH (60°-80°)	9032.9	25.7			G4/12000
FVH (80°-90°)	131.1	0.4			G2/225
BL (0°-30°)	1137.8	3.2	B3/2500		
BM (30°-60°)	7275.0	20.7	B4/8500		
BH (60°-80°)	9032.9	25.7	B5		G4/12000
BVH (80°-90°)	131.1	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°	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7
2.5°	2656.6	2664.4	2660.5	2660.5	2672.2	2679.9	2683.8	2722.7	2707.1	2718.8	2707.1
5°	2664.4	2664.4	2672.2	2664.4	2672.2	2664.4	2672.2	2660.5	2672.2	2679.9	2691.6
7.5°	2648.9	2641.1	2629.4	2629.4	2625.6	2617.8	2606.1	2637.2	2621.7	2633.3	2652.7
10°	2652.7	2641.1	2602.2	2610.0	2575.1	2575.1	2582.8	2582.8	2617.8	2656.6	2668.3
12.5°	2652.7	2629.4	2617.8	2567.3	2567.3	2571.2	2590.6	2598.4	2621.7	2637.2	2676.0
15°	2652.7	2641.1	2621.7	2555.6	2571.2	2563.4	2582.8	2582.8	2633.3	2660.5	2679.9
17.5°	2668.3	2676.0	2641.1	2578.9	2582.8	2598.4	2586.7	2598.4	2660.5	2679.9	2707.1
20°	2672.2	2641.1	2629.4	2590.6	2625.6	2617.8	2613.9	2637.2	2656.6	2691.6	2722.7
22.5°	2664.4	2676.0	2629.4	2625.6	2656.6	2672.2	2679.9	2652.7	2676.0	2699.3	2726.5
25°	2730.4	2687.7	2676.0	2668.3	2683.8	2699.3	2691.6	2714.9	2714.9	2742.1	2777.0
27.5°	2909.1	2913.0	2889.7	2796.4	2765.4	2730.4	2746.0	2808.1	2881.9	2940.2	2951.8
30°	2990.6	3006.2	3068.3	3052.8	3041.1	3052.8	3048.9	3064.4	3072.2	3076.1	3064.4
32.5°	3064.4	3056.7	3029.5	3099.4	3328.5	3503.3	3336.3	3107.2	3056.7	3041.1	3056.7
35°	3332.4	3332.4	3274.2	3184.8	3305.2	3348.0	3270.3	3161.5	3223.7	3351.9	3359.6
37.5°	3678.1	3627.6	3650.9	3639.3	3507.2	3414.0	3549.9	3619.8	3631.5	3627.6	3666.5
40°	3884.0	3849.0	3814.0	3876.2	3996.6	4082.0	3961.6	3794.6	3837.3	3922.8	3887.8
42.5°	4353.9	4264.6	4272.3	4210.2	4206.3	4179.1	4151.9	4163.6	4225.7	4322.8	4338.4
45°	4835.5	4878.2	4851.1	4734.5	4788.9	4788.9	4711.2	4769.5	4800.6	4913.2	4928.7
47.5°	5589.0	5569.6	5581.2	5476.4	5472.5	5499.7	5472.5	5476.4	5573.5	5565.7	5523.0
50°	6470.7	6525.0	6540.6	6490.1	6427.9	6416.3	6373.6	6427.9	6486.2	6490.1	6455.1
52.5°	7690.2	7748.5	7748.5	7764.0	7841.7	7802.9	7795.1	7799.0	7686.3	7608.7	7647.5
55°	9228.3	9247.7	9313.7	9449.7	9686.6	9717.7	9570.1	9504.0	9298.2	9173.9	9271.0
57.5°	10746.9	10824.6	11007.1	11360.6	11651.9	11970.3	11543.1	11108.1	10704.2	10506.1	10541.0
60°	12009.2	12121.8	12471.4	12964.6	13772.5	14063.8	13341.4	12595.7	11776.1	11170.2	11414.9
62.5°	12603.4	12778.2	13073.4	14071.6	15283.4	15702.8	14642.5	13287.0	12044.1	11461.5	11449.9
64°	12607.3	12634.5	13224.9	14300.7	15547.5	16359.2	14957.1	13287.0	12110.2	11391.6	11523.7
65°	12347.1	12459.7	13030.7	14091.0	15380.5	16413.6	14848.4	13104.5	11838.3	11279.0	11341.1
67.5°	11166.4	11162.5	11690.7	12743.3	14533.8	15796.0	13924.0	12083.0	11166.4	10560.5	10634.3
70°	8470.9	8606.8	9111.8	10405.1	12576.2	13927.9	12176.2	10269.2	9127.3	8641.8	8614.6
72.5°	5068.6	5247.2	5892.0	7468.8	9768.1	11411.1	9663.3	7597.0	6222.1	5453.1	5472.5
75°	2311.0	2443.0	2885.8	4171.4	6509.5	8342.7	6548.3	4392.8	3149.9	2660.5	2590.6
77.5°	648.6	730.2	974.9	1914.8	3573.2	5002.5	3674.2	2116.8	1374.9	1141.9	1118.6
80°	291.3	306.8	345.7	466.1	1134.1	2206.1	1518.6	776.8	516.6	427.2	407.8
82.5°	159.2	170.9	225.3	240.8	322.4	586.5	501.0	365.1	310.7	248.6	240.8
85°	89.3	93.2	128.2	128.2	155.4	170.9	182.5	194.2	190.3	139.8	135.9
87.5°	27.2	31.1	38.8	38.8	38.8	38.8	62.1	85.4	93.2	66.0	66.0
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)