

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: P479743

Luminaire Tested: **IFLD-L-SA7C-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479743
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-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

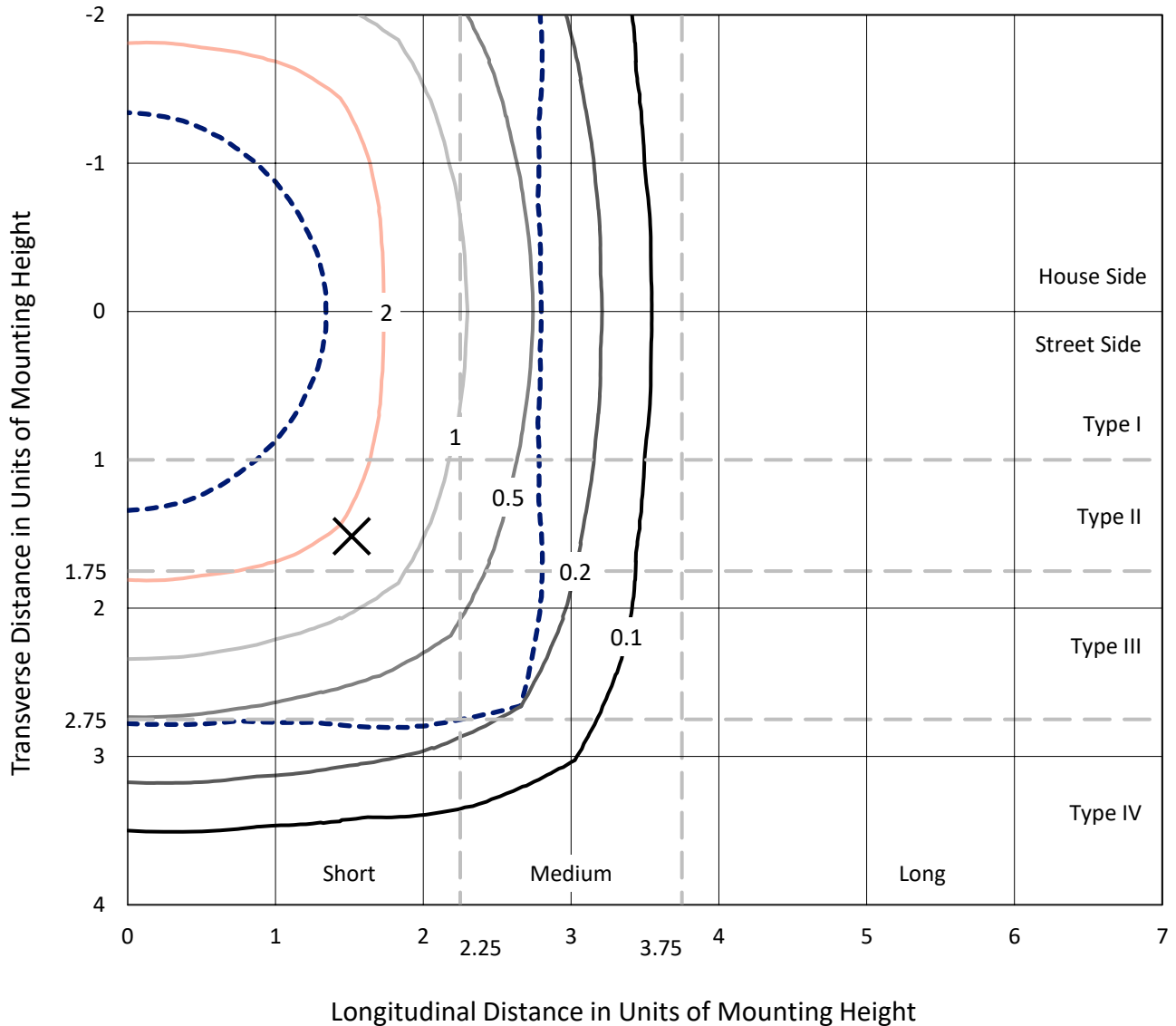
Lumens per Lamp: N/A
Luminaire Lumens: 45491.9 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 369
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

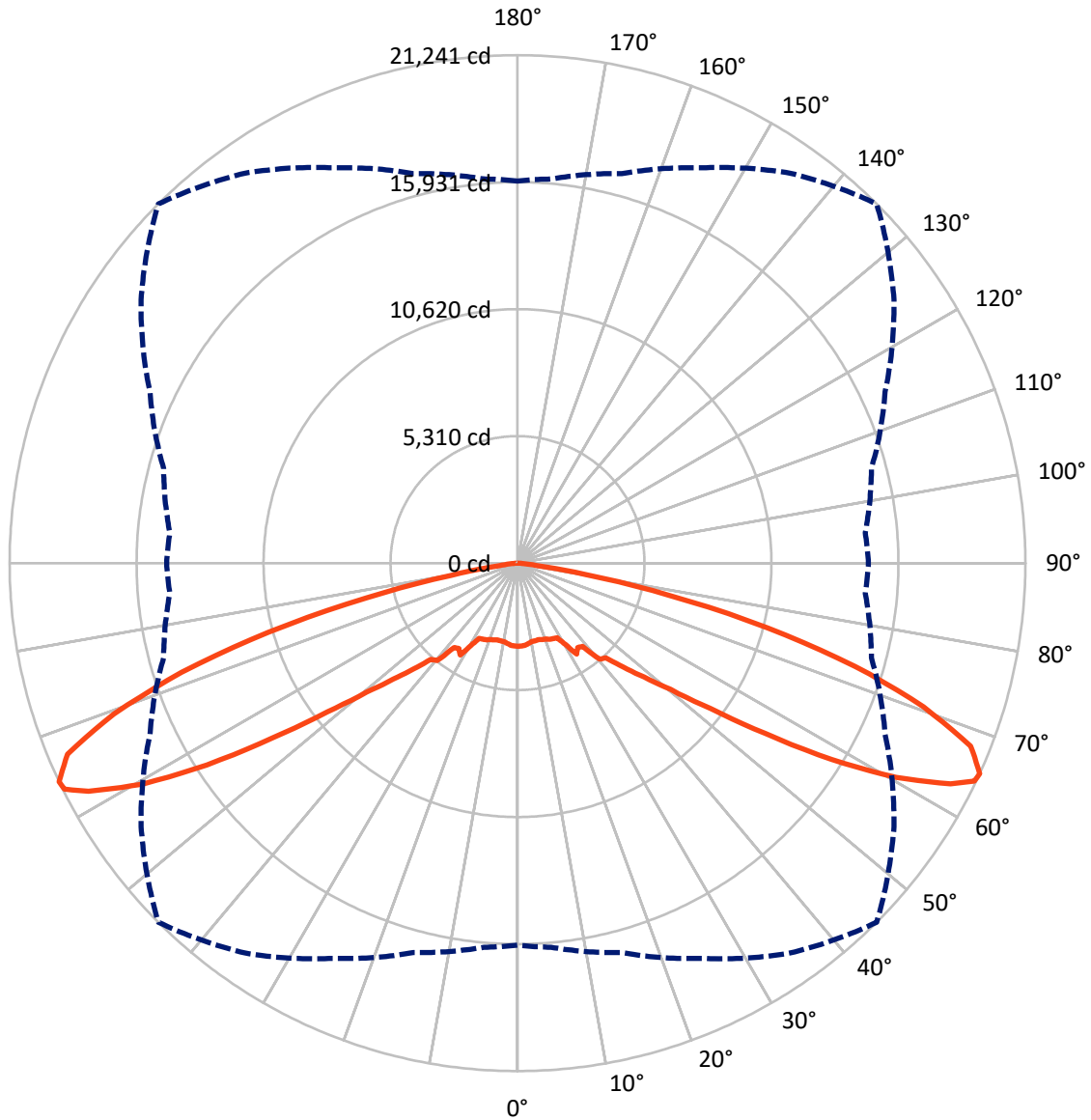
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.9 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
House Side	Lumens	22746.0	0.0	22746.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22746.0	0.0	22746.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	45491.9	0.0	45491.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.4	0.7
10°-20°	958.8	2.1
20°-30°	1659.6	3.6
30°-40°	2759.6	6.1
40°-50°	4978.7	10.9
50°-60°	11090.9	24.4
60°-70°	16529.0	36.3
70°-80°	6849.8	15.1
80°-90°	339.3	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°	45491.9	100.0
0°-180°	45491.9	100.0

Coefficient of Utilization



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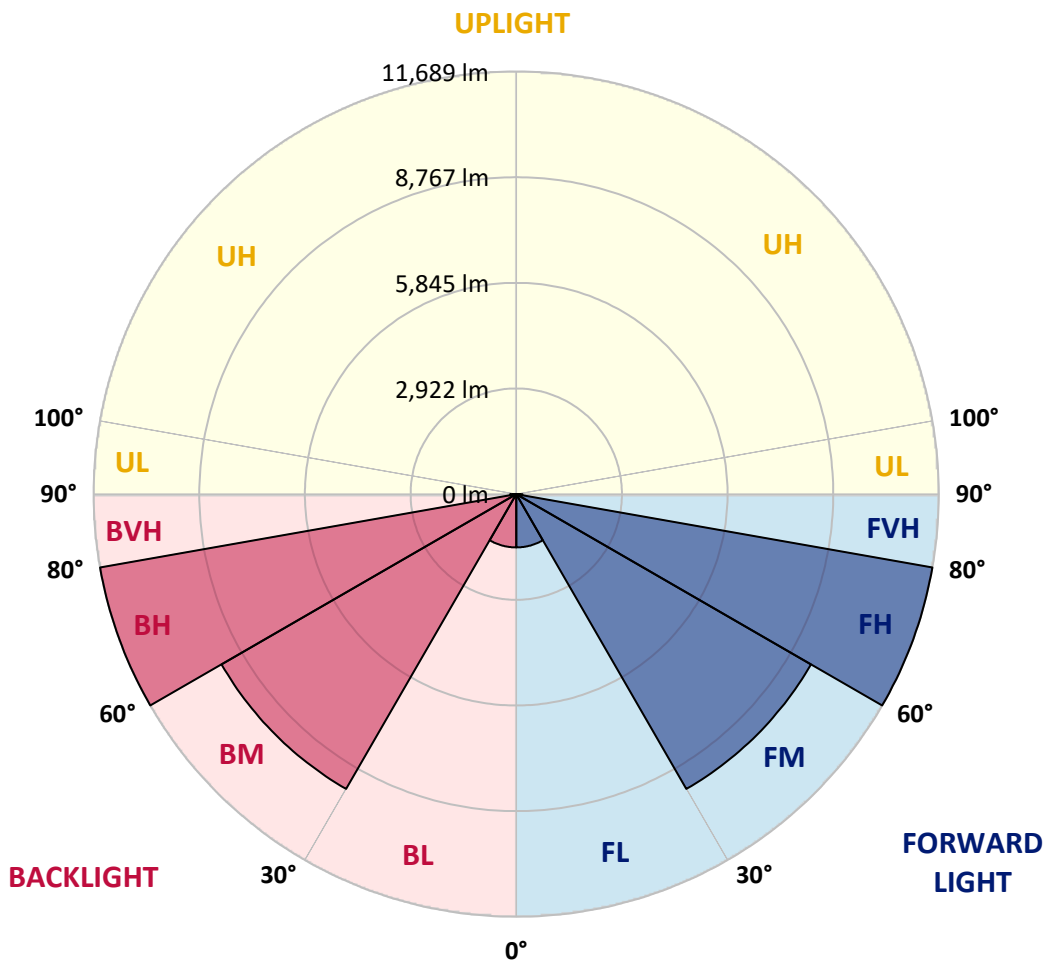
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1472.4	3.2			
FM (30°-60°)	9414.6	20.7			
FH (60°-80°)	11689.4	25.7			G4/12000
FVH (80°-90°)	169.6	0.4			G2/225
BL (0°-30°)	1472.4	3.2	B3/2500		
BM (30°-60°)	9414.6	20.7	B5		
BH (60°-80°)	11689.4	25.7	B5		G4/12000
BVH (80°-90°)	169.6	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°	3478.1	3478.1	3478.1	3478.1	3478.1	3478.1	3478.1	3478.1	3478.1	3478.1	3478.1
2.5°	3437.9	3448.0	3443.0	3443.0	3458.0	3468.1	3473.1	3523.4	3503.3	3518.3	3503.3
5°	3448.0	3448.0	3458.0	3448.0	3458.0	3448.0	3458.0	3443.0	3458.0	3468.1	3483.2
7.5°	3427.9	3417.8	3402.7	3402.7	3397.7	3387.7	3372.6	3412.8	3392.7	3407.8	3432.9
10°	3432.9	3417.8	3367.6	3377.6	3332.4	3332.4	3342.4	3342.4	3387.7	3437.9	3453.0
12.5°	3432.9	3402.7	3387.7	3322.3	3322.3	3327.3	3352.5	3362.5	3392.7	3412.8	3463.1
15°	3432.9	3417.8	3392.7	3307.2	3327.3	3317.3	3342.4	3342.4	3407.8	3443.0	3468.1
17.5°	3453.0	3463.1	3417.8	3337.4	3342.4	3362.5	3347.5	3362.5	3443.0	3468.1	3503.3
20°	3458.0	3417.8	3402.7	3352.5	3397.7	3387.7	3382.6	3412.8	3437.9	3483.2	3523.4
22.5°	3448.0	3463.1	3402.7	3397.7	3437.9	3458.0	3468.1	3432.9	3463.1	3493.2	3528.4
25°	3533.4	3478.1	3463.1	3453.0	3473.1	3493.2	3483.2	3513.3	3513.3	3548.5	3593.7
27.5°	3764.6	3769.7	3739.5	3618.9	3578.7	3533.4	3553.5	3633.9	3729.4	3804.8	3819.9
30°	3870.2	3890.3	3970.7	3950.6	3935.5	3950.6	3945.6	3965.7	3975.7	3980.8	3965.7
32.5°	3965.7	3955.6	3920.4	4010.9	4307.5	4533.6	4317.5	4021.0	3955.6	3935.5	3955.6
35°	4312.5	4312.5	4237.1	4121.5	4277.3	4332.6	4232.1	4091.3	4171.8	4337.6	4347.7
37.5°	4759.8	4694.5	4724.6	4709.6	4538.7	4418.0	4594.0	4684.4	4699.5	4694.5	4744.7
40°	5026.2	4981.0	4935.7	5016.2	5172.0	5282.5	5126.7	4910.6	4965.9	5076.5	5031.2
42.5°	5634.4	5518.8	5528.8	5448.4	5443.4	5408.2	5373.0	5388.1	5468.5	5594.2	5614.3
45°	6257.6	6312.9	6277.7	6126.9	6197.3	6197.3	6096.8	6172.2	6212.4	6358.2	6378.3
47.5°	7232.7	7207.6	7222.7	7087.0	7081.9	7117.1	7081.9	7087.0	7212.6	7202.6	7147.3
50°	8373.7	8444.0	8464.1	8398.8	8318.4	8303.3	8248.0	8318.4	8393.8	8398.8	8353.6
52.5°	9951.9	10027.3	10027.3	10047.4	10147.9	10097.7	10087.6	10092.6	9946.9	9846.3	9896.6
55°	11942.3	11967.4	12052.8	12228.8	12535.4	12575.6	12384.6	12299.1	12032.7	11871.9	11997.6
57.5°	13907.5	14008.0	14244.3	14701.7	15078.6	15490.8	14937.9	14375.0	13852.2	13595.9	13641.1
60°	15541.0	15686.8	16139.2	16777.5	17822.9	18199.9	17265.0	16300.0	15239.5	14455.4	14772.0
62.5°	16310.0	16536.2	16918.2	18210.0	19778.1	20321.0	18948.8	17194.7	15586.3	14832.3	14817.3
64°	16315.1	16350.3	17114.2	18506.5	20119.9	21170.4	19355.9	17194.7	15671.7	14741.9	14912.8
65°	15978.3	16124.1	16862.9	18235.1	19903.8	21240.8	19215.2	16958.4	15319.9	14596.1	14676.5
67.5°	14450.3	14445.3	15128.9	16491.0	18808.1	20441.6	18019.0	15636.5	14450.3	13666.3	13761.8
70°	10962.2	11138.1	11791.5	13465.2	16274.9	18024.0	15757.2	13289.3	11811.6	11183.3	11148.1
72.5°	6559.2	6790.4	7624.8	9665.4	12640.9	14767.0	12505.2	9831.3	8052.0	7056.8	7081.9
75°	2990.6	3161.5	3734.5	5398.1	8423.9	10796.3	8474.2	5684.6	4076.3	3443.0	3352.5
77.5°	839.4	944.9	1261.6	2477.9	4624.1	6473.8	4754.8	2739.3	1779.3	1477.7	1447.5
80°	377.0	397.1	447.3	603.1	1467.7	2854.9	1965.2	1005.2	668.5	552.9	527.8
82.5°	206.1	221.2	291.5	311.6	417.2	759.0	648.4	472.5	402.1	321.7	311.6
85°	115.6	120.6	165.9	165.9	201.0	221.2	236.2	251.3	246.3	180.9	175.9
87.5°	35.2	40.2	50.3	50.3	50.3	50.3	80.4	110.6	120.6	85.4	85.4
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)