

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: P479821

Luminaire Tested: **IFLD-L-SA7C-760-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479821
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-760-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (112) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

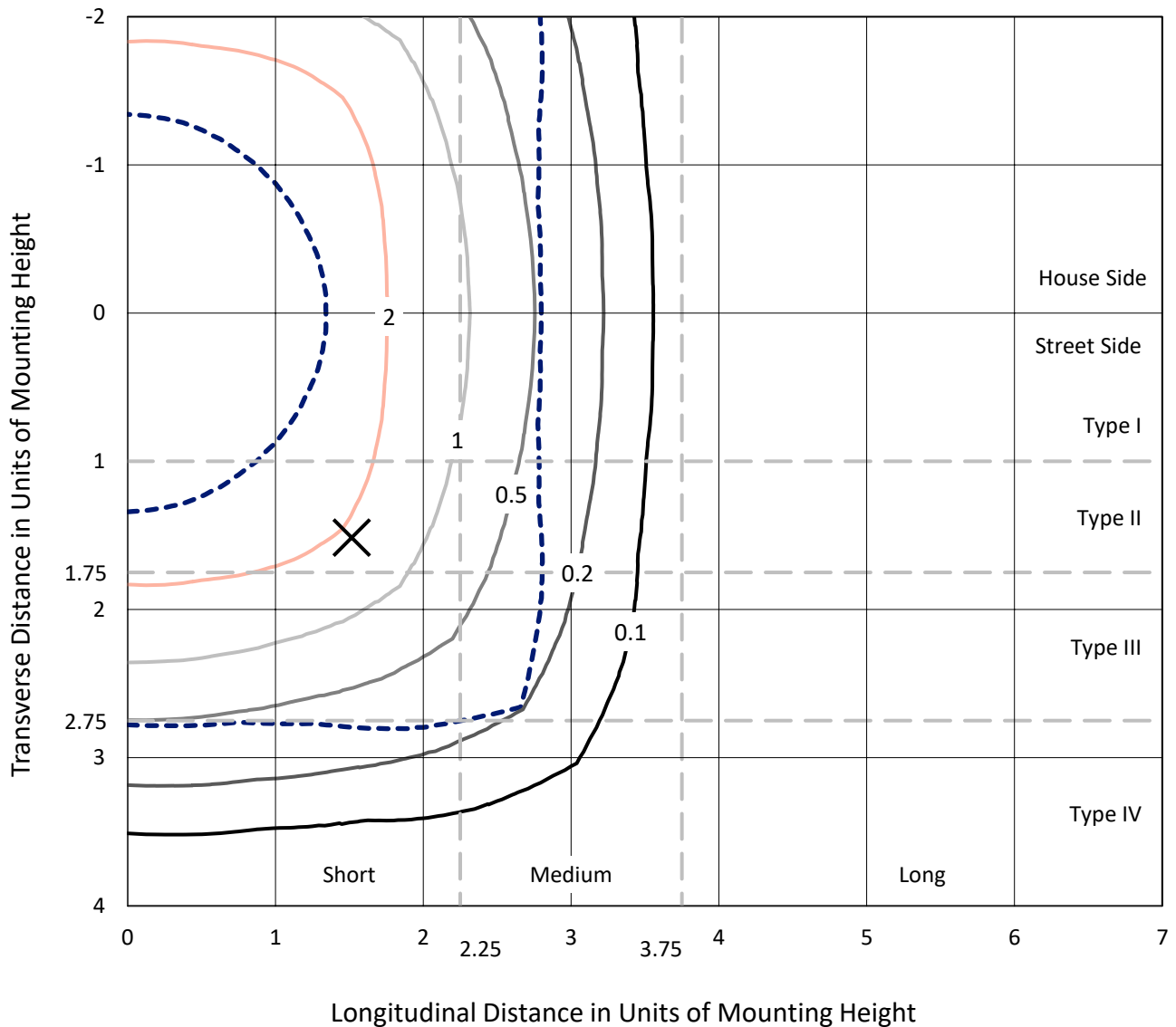
Lumens per Lamp: N/A
Luminaire Lumens: 46533.7 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

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

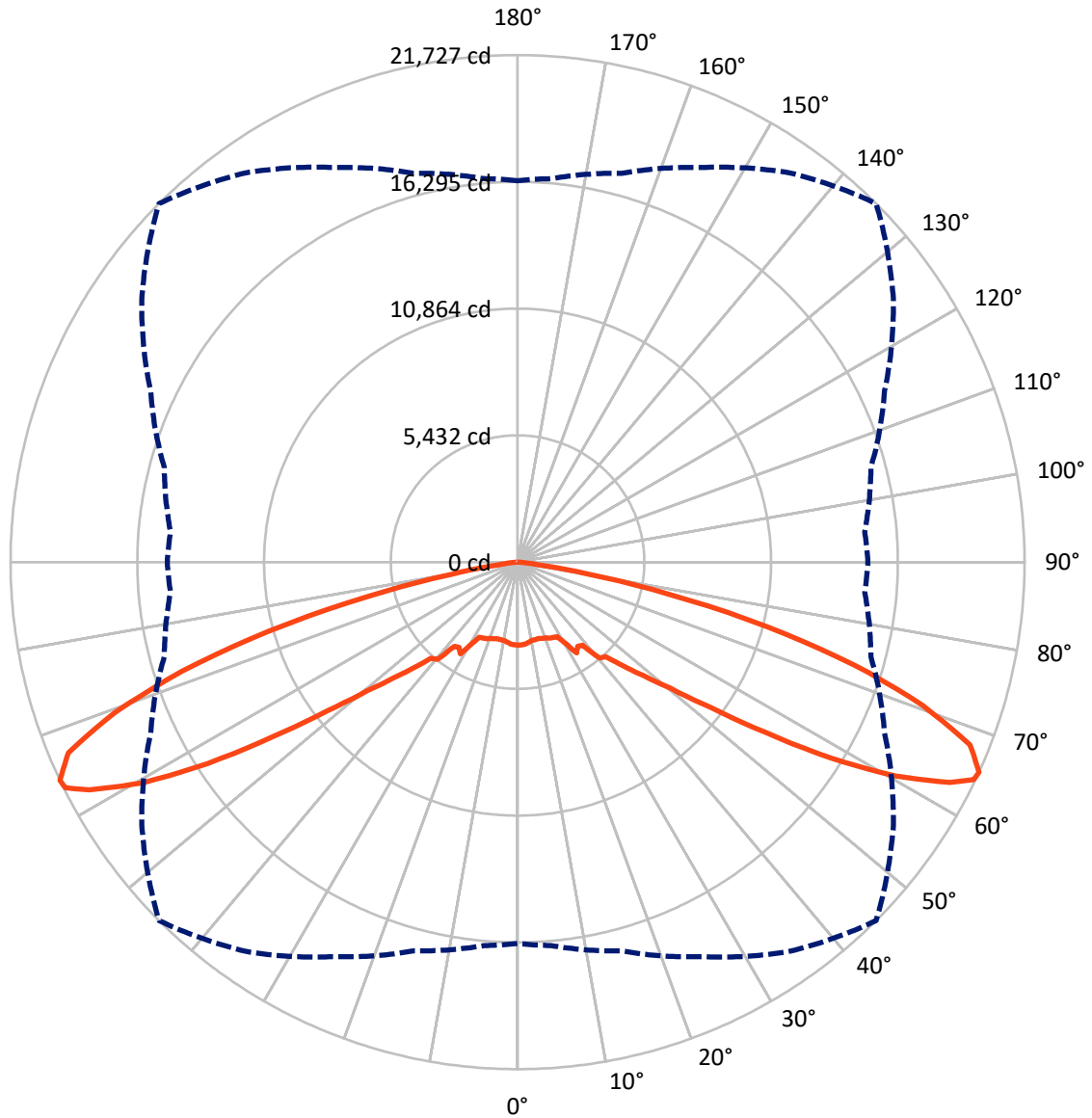
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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CATALOG NUMBER: IFLD-L-SA7C-760-U-5WQ

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	23266.8	0.0	23266.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23266.8	0.0	23266.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	46533.7	0.0	46533.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.9	0.7
10°-20°	980.7	2.1
20°-30°	1697.6	3.6
30°-40°	2822.8	6.1
40°-50°	5092.7	10.9
50°-60°	11344.8	24.4
60°-70°	16907.5	36.3
70°-80°	7006.7	15.1
80°-90°	347.0	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°	46533.7	100.0
0°-180°	46533.7	100.0

Coefficient of Utilization



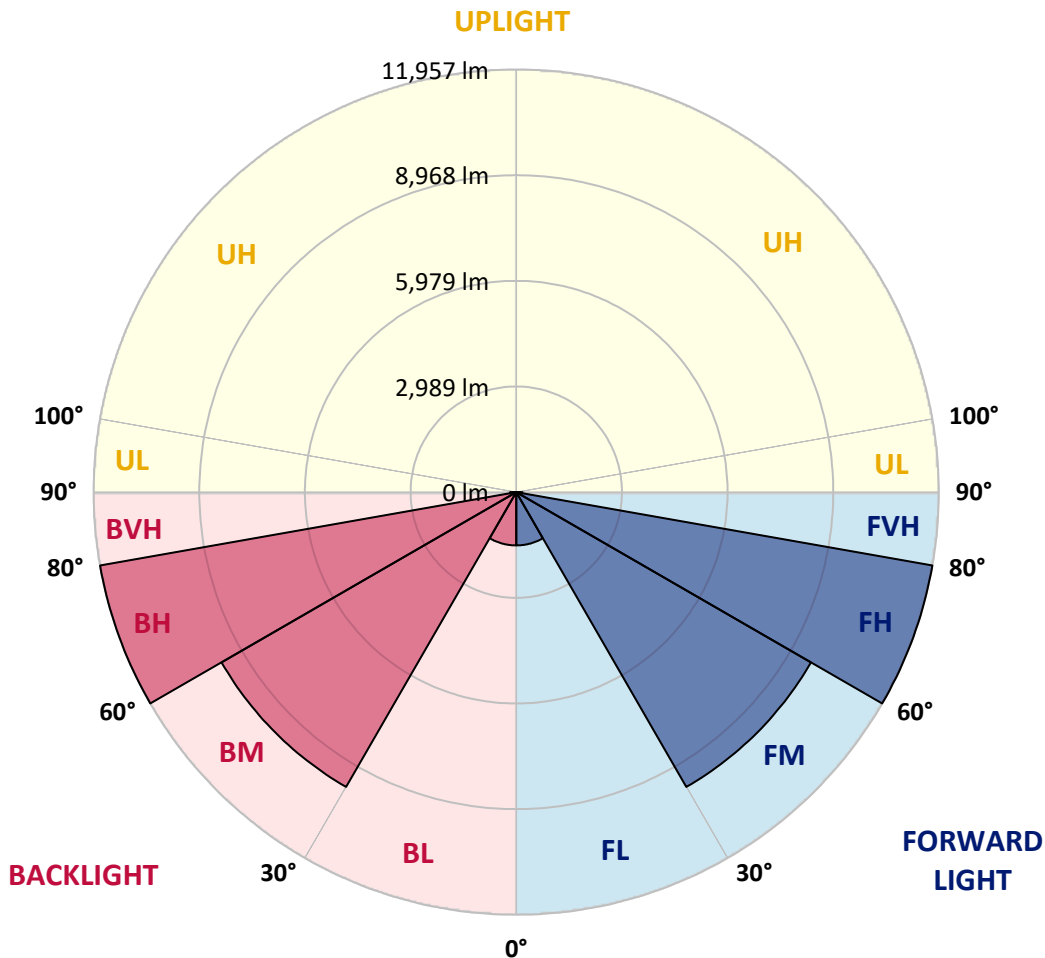
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1506.1	3.2			
FM (30°-60°)	9630.2	20.7			
FH (60°-80°)	11957.1	25.7			G4/12000
FVH (80°-90°)	173.5	0.4			G2/225
BL (0°-30°)	1506.1	3.2	B3/2500		
BM (30°-60°)	9630.2	20.7	B5		
BH (60°-80°)	11957.1	25.7	B5		G4/12000
BVH (80°-90°)	173.5	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°	3557.8	3557.8	3557.8	3557.8	3557.8	3557.8	3557.8	3557.8	3557.8	3557.8	3557.8
2.5°	3516.7	3526.9	3521.8	3521.8	3537.2	3547.5	3552.6	3604.1	3583.5	3598.9	3583.5
5°	3526.9	3526.9	3537.2	3526.9	3537.2	3526.9	3537.2	3521.8	3537.2	3547.5	3562.9
7.5°	3506.4	3496.1	3480.7	3480.7	3475.5	3465.2	3449.8	3490.9	3470.4	3485.8	3511.5
10°	3511.5	3496.1	3444.7	3455.0	3408.7	3408.7	3419.0	3419.0	3465.2	3516.7	3532.1
12.5°	3511.5	3480.7	3465.2	3398.4	3398.4	3403.5	3429.3	3439.5	3470.4	3490.9	3542.4
15°	3511.5	3496.1	3470.4	3383.0	3403.5	3393.3	3419.0	3419.0	3485.8	3521.8	3547.5
17.5°	3532.1	3542.4	3496.1	3413.8	3419.0	3439.5	3424.1	3439.5	3521.8	3547.5	3583.5
20°	3537.2	3496.1	3480.7	3429.3	3475.5	3465.2	3460.1	3490.9	3516.7	3562.9	3604.1
22.5°	3526.9	3542.4	3480.7	3475.5	3516.7	3537.2	3547.5	3511.5	3542.4	3573.2	3609.2
25°	3614.3	3557.8	3542.4	3532.1	3552.6	3573.2	3562.9	3593.8	3593.8	3629.8	3676.0
27.5°	3850.8	3856.0	3825.1	3701.7	3660.6	3614.3	3634.9	3717.2	3814.9	3892.0	3907.4
30°	3958.8	3979.4	4061.6	4041.1	4025.6	4041.1	4035.9	4056.5	4066.8	4071.9	4056.5
32.5°	4056.5	4046.2	4010.2	4102.8	4406.1	4637.5	4416.4	4113.0	4046.2	4025.6	4046.2
35°	4411.2	4411.2	4334.1	4215.9	4375.3	4431.8	4329.0	4185.0	4267.3	4436.9	4447.2
37.5°	4868.8	4802.0	4832.8	4817.4	4642.6	4519.2	4699.2	4791.7	4807.1	4802.0	4853.4
40°	5141.3	5095.0	5048.8	5131.0	5290.4	5403.5	5244.1	5023.1	5079.6	5192.7	5146.4
42.5°	5763.4	5645.2	5655.4	5573.2	5568.0	5532.0	5496.1	5511.5	5593.7	5722.3	5742.8
45°	6400.9	6457.5	6421.5	6267.3	6339.2	6339.2	6236.4	6313.5	6354.7	6503.8	6524.3
47.5°	7398.3	7372.6	7388.1	7249.2	7244.1	7280.1	7244.1	7249.2	7377.8	7367.5	7310.9
50°	8565.4	8637.4	8658.0	8591.1	8508.9	8493.4	8436.9	8508.9	8586.0	8591.1	8544.9
52.5°	10179.8	10256.9	10256.9	10277.5	10380.3	10328.9	10318.6	10323.7	10174.6	10071.8	10123.2
55°	12215.7	12241.5	12328.9	12508.8	12822.4	12863.6	12668.2	12580.8	12308.3	12143.8	12272.3
57.5°	14226.0	14328.8	14570.5	15038.3	15423.9	15845.5	15280.0	14704.1	14169.4	13907.2	13953.5
60°	15896.9	16046.0	16508.7	17161.7	18231.1	18616.7	17660.4	16673.3	15588.4	14786.4	15110.3
62.5°	16683.5	16914.9	17305.6	18627.0	20231.0	20786.3	19382.7	17588.4	15943.2	15172.0	15156.6
64°	16688.7	16724.7	17506.2	18930.3	20580.7	21655.2	19799.2	17588.4	16030.6	15079.5	15254.3
65°	16344.2	16493.3	17249.1	18652.7	20359.6	21727.2	19655.2	17346.8	15670.7	14930.4	15012.6
67.5°	14781.3	14776.1	15475.3	16868.6	19238.8	20909.7	18431.6	15994.6	14781.3	13979.2	14076.9
70°	11213.2	11393.1	12061.5	13773.6	16647.6	18436.7	16118.0	13593.6	12082.1	11439.4	11403.4
72.5°	6709.4	6945.9	7799.4	9886.7	12930.4	15105.2	12791.6	10056.4	8236.4	7218.4	7244.1
75°	3059.1	3233.9	3820.0	5521.8	8616.8	11043.5	8668.2	5814.8	4169.6	3521.8	3429.3
77.5°	858.6	966.6	1290.5	2534.7	4730.0	6622.0	4863.7	2802.0	1820.0	1511.5	1480.7
80°	385.6	406.2	457.6	617.0	1501.3	2920.3	2010.3	1028.3	683.8	565.5	539.8
82.5°	210.8	226.2	298.2	318.8	426.7	776.3	663.2	483.3	411.3	329.0	318.8
85°	118.3	123.4	169.7	169.7	205.7	226.2	241.6	257.1	251.9	185.1	179.9
87.5°	36.0	41.1	51.4	51.4	51.4	51.4	82.3	113.1	123.4	87.4	87.4
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)