

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: P479772

Luminaire Tested: **IFLD-S-SA6C-750-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479772
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-750-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

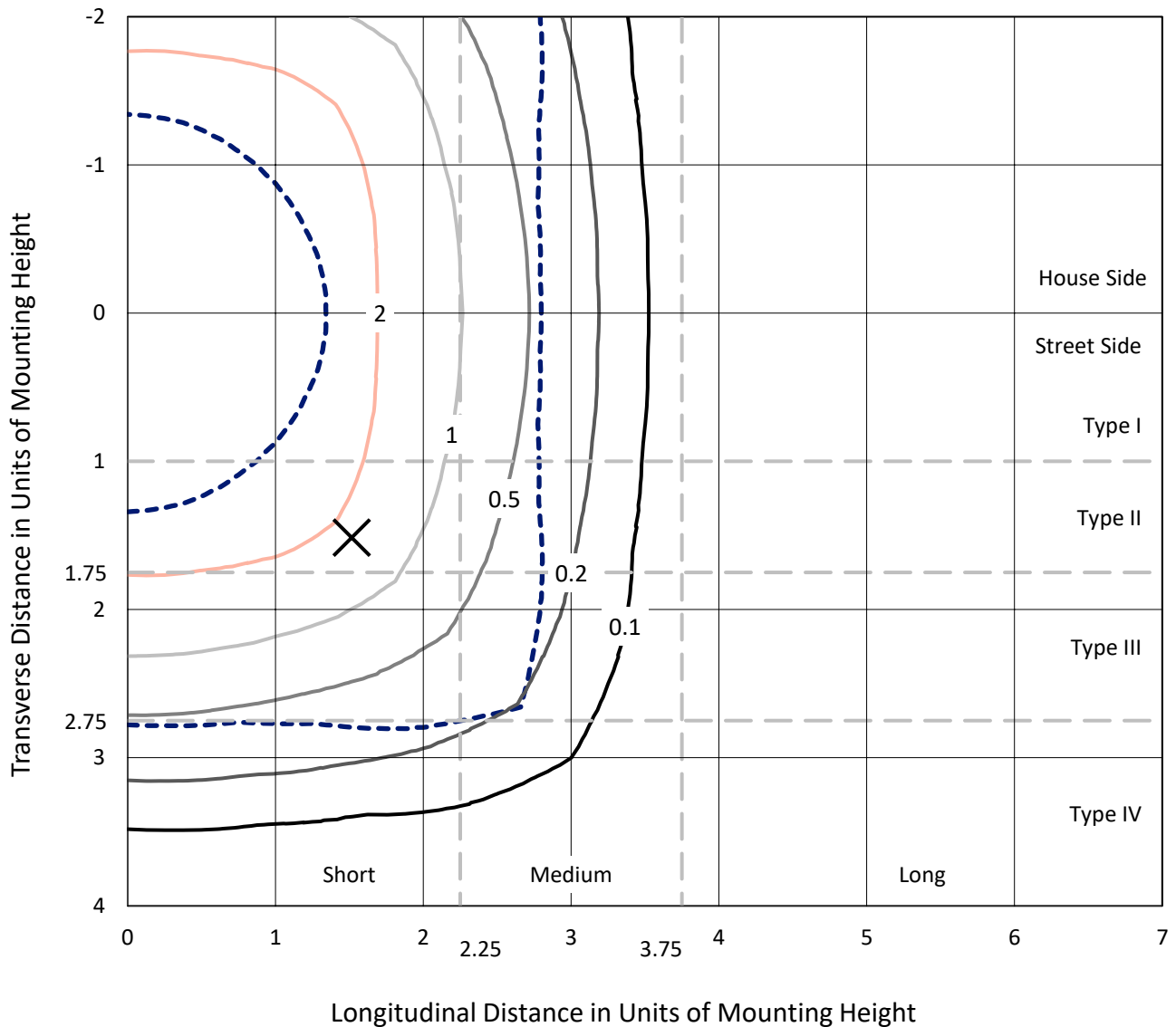
Lumens per Lamp: N/A
Luminaire Lumens: 43616.6 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 321.5
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

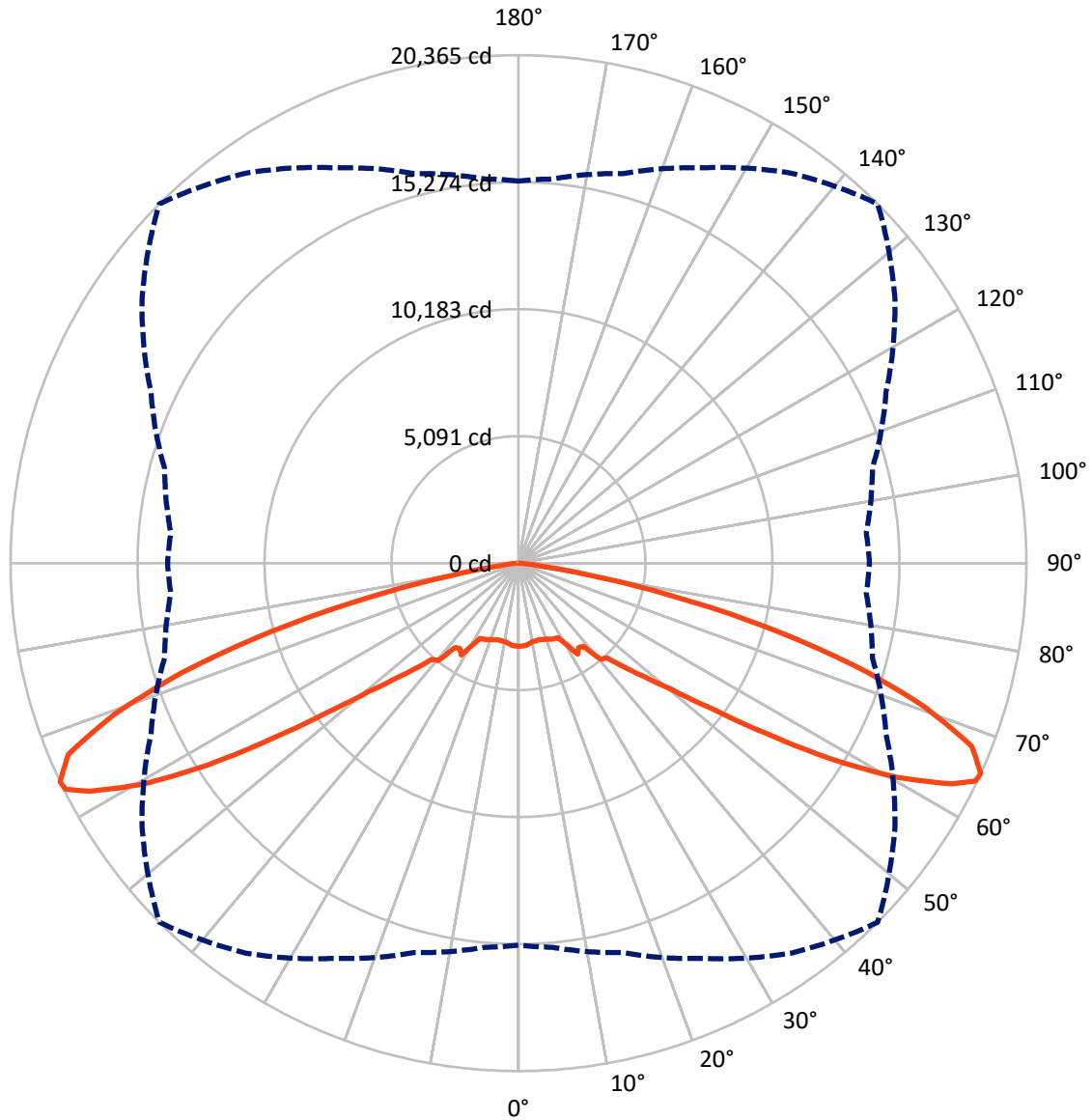
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.7 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	21808.3	0.0	21808.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21808.3	0.0	21808.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	43616.6	0.0	43616.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.9	0.7
10°-20°	919.3	2.1
20°-30°	1591.2	3.6
30°-40°	2645.8	6.1
40°-50°	4773.5	10.9
50°-60°	10633.7	24.4
60°-70°	15847.6	36.3
70°-80°	6567.4	15.1
80°-90°	325.3	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°	43616.6	100.0
0°-180°	43616.6	100.0

Coefficient of Utilization



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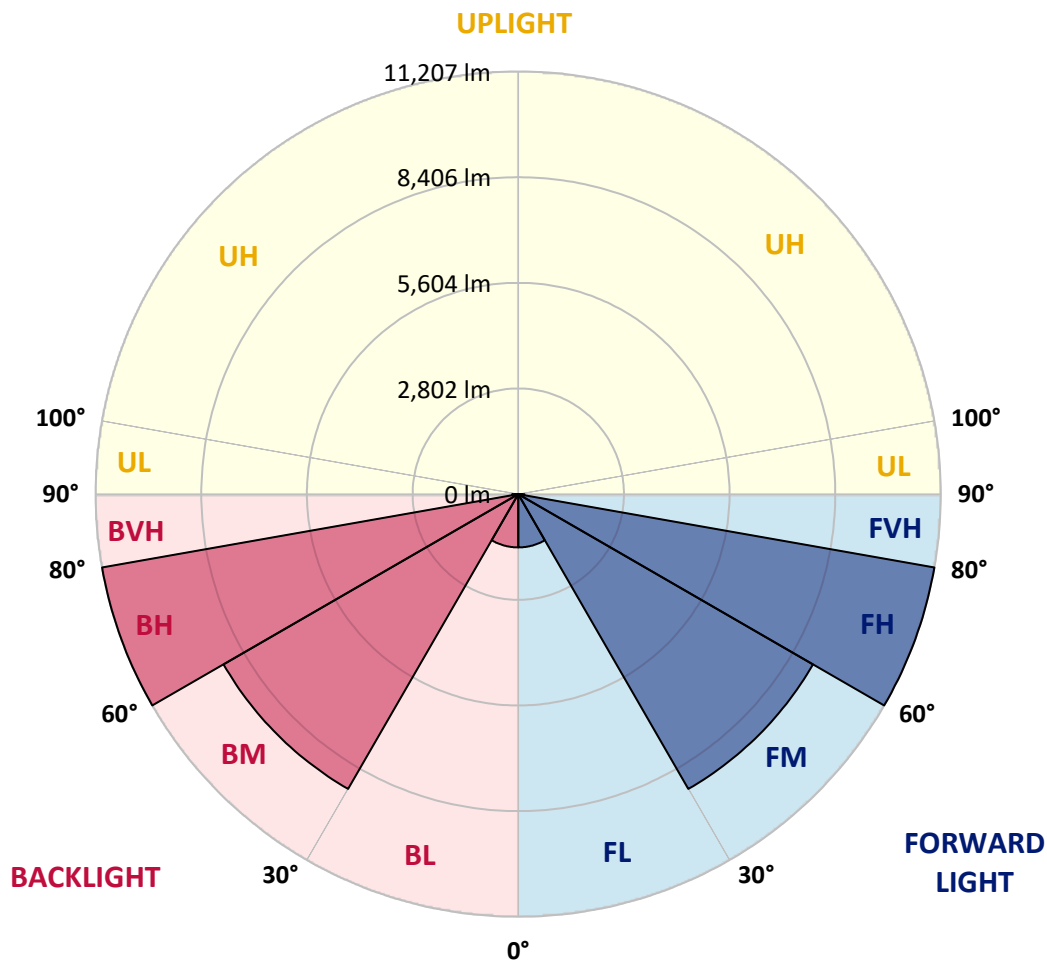
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1411.7	3.2			
FM (30°-60°)	9026.5	20.7			
FH (60°-80°)	11207.5	25.7			G4/12000
FVH (80°-90°)	162.6	0.4			G2/225
BL (0°-30°)	1411.7	3.2	B3/2500		
BM (30°-60°)	9026.5	20.7	B5		
BH (60°-80°)	11207.5	25.7	B5		G4/12000
BVH (80°-90°)	162.6	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°	3334.8	3334.8	3334.8	3334.8	3334.8	3334.8	3334.8	3334.8	3334.8	3334.8	3334.8
2.5°	3296.2	3305.8	3301.0	3301.0	3315.5	3325.1	3329.9	3378.1	3358.8	3373.3	3358.8
5°	3305.8	3305.8	3315.5	3305.8	3315.5	3305.8	3315.5	3301.0	3315.5	3325.1	3339.6
7.5°	3286.6	3276.9	3262.5	3262.5	3257.6	3248.0	3233.6	3272.1	3252.8	3267.3	3291.4
10°	3291.4	3276.9	3228.7	3238.4	3195.0	3195.0	3204.6	3204.6	3248.0	3296.2	3310.7
12.5°	3291.4	3262.5	3248.0	3185.4	3185.4	3190.2	3214.3	3223.9	3252.8	3272.1	3320.3
15°	3291.4	3276.9	3252.8	3170.9	3190.2	3180.5	3204.6	3204.6	3267.3	3301.0	3325.1
17.5°	3310.7	3320.3	3276.9	3199.8	3204.6	3223.9	3209.5	3223.9	3301.0	3325.1	3358.8
20°	3315.5	3276.9	3262.5	3214.3	3257.6	3248.0	3243.2	3272.1	3296.2	3339.6	3378.1
22.5°	3305.8	3320.3	3262.5	3257.6	3296.2	3315.5	3325.1	3291.4	3320.3	3349.2	3382.9
25°	3387.8	3334.8	3320.3	3310.7	3329.9	3349.2	3339.6	3368.5	3368.5	3402.2	3445.6
27.5°	3609.4	3614.3	3585.3	3469.7	3431.1	3387.8	3407.0	3484.1	3575.7	3648.0	3662.4
30°	3710.6	3729.9	3807.0	3787.7	3773.3	3787.7	3782.9	3802.2	3811.8	3816.7	3802.2
32.5°	3802.2	3792.6	3758.8	3845.6	4129.9	4346.7	4139.5	3855.2	3792.6	3773.3	3792.6
35°	4134.7	4134.7	4062.4	3951.6	4101.0	4154.0	4057.6	3922.7	3999.8	4158.8	4168.4
37.5°	4563.6	4501.0	4529.9	4515.4	4351.6	4235.9	4404.6	4491.3	4505.8	4501.0	4549.1
40°	4819.0	4775.6	4732.3	4809.4	4958.8	5064.8	4915.4	4708.2	4761.2	4867.2	4823.8
42.5°	5402.1	5291.3	5300.9	5223.8	5219.0	5185.3	5151.5	5166.0	5243.1	5363.6	5382.8
45°	5999.7	6052.7	6018.9	5874.4	5941.8	5941.8	5845.5	5917.7	5956.3	6096.0	6115.3
47.5°	6934.6	6910.5	6924.9	6794.8	6790.0	6823.7	6790.0	6794.8	6915.3	6905.6	6852.6
50°	8028.5	8095.9	8115.2	8052.6	7975.5	7961.0	7908.0	7975.5	8047.7	8052.6	8009.2
52.5°	9541.6	9613.9	9613.9	9633.2	9729.6	9681.4	9671.7	9676.6	9536.8	9440.4	9488.6
55°	11450.0	11474.1	11556.0	11724.6	12018.6	12057.2	11874.0	11792.1	11536.7	11382.5	11503.0
57.5°	13334.2	13430.6	13657.1	14095.6	14457.0	14852.2	14322.1	13782.4	13281.2	13035.4	13078.8
60°	14900.4	15040.1	15473.8	16085.8	17088.2	17449.6	16553.3	15628.0	14611.2	13859.5	14163.1
62.5°	15637.7	15854.5	16220.8	17459.3	18962.8	19483.2	18167.7	16485.8	14943.7	14220.9	14206.4
64°	15642.5	15676.2	16408.7	17743.6	19290.5	20297.7	18558.0	16485.8	15025.7	14134.1	14298.0
65°	15319.6	15459.4	16167.8	17483.4	19083.3	20365.1	18423.1	16259.3	14688.3	13994.4	14071.5
67.5°	13854.6	13849.8	14505.2	15811.2	18032.7	19598.9	17276.1	14991.9	13854.6	13102.9	13194.4
70°	10510.3	10678.9	11305.4	12910.1	15603.9	17281.0	15107.6	12741.5	11324.7	10722.3	10688.6
72.5°	6288.8	6510.5	7310.4	9266.9	12119.8	14158.2	11989.7	9426.0	7720.0	6765.9	6790.0
75°	2867.3	3031.2	3580.5	5175.6	8076.7	10351.2	8124.8	5450.3	3908.2	3301.0	3214.3
77.5°	804.8	906.0	1209.6	2375.8	4433.5	6206.9	4558.8	2626.4	1705.9	1416.8	1387.9
80°	361.4	380.7	428.9	578.3	1407.1	2737.2	1884.2	963.8	640.9	530.1	506.0
82.5°	197.6	212.0	279.5	298.8	400.0	727.7	621.7	453.0	385.5	308.4	298.8
85°	110.8	115.7	159.0	159.0	192.8	212.0	226.5	241.0	236.1	173.5	168.7
87.5°	33.7	38.6	48.2	48.2	48.2	48.2	77.1	106.0	115.7	81.9	81.9
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)