

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: P479694

Luminaire Tested: **IFLD-S-SA6C-735-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479694
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-735-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

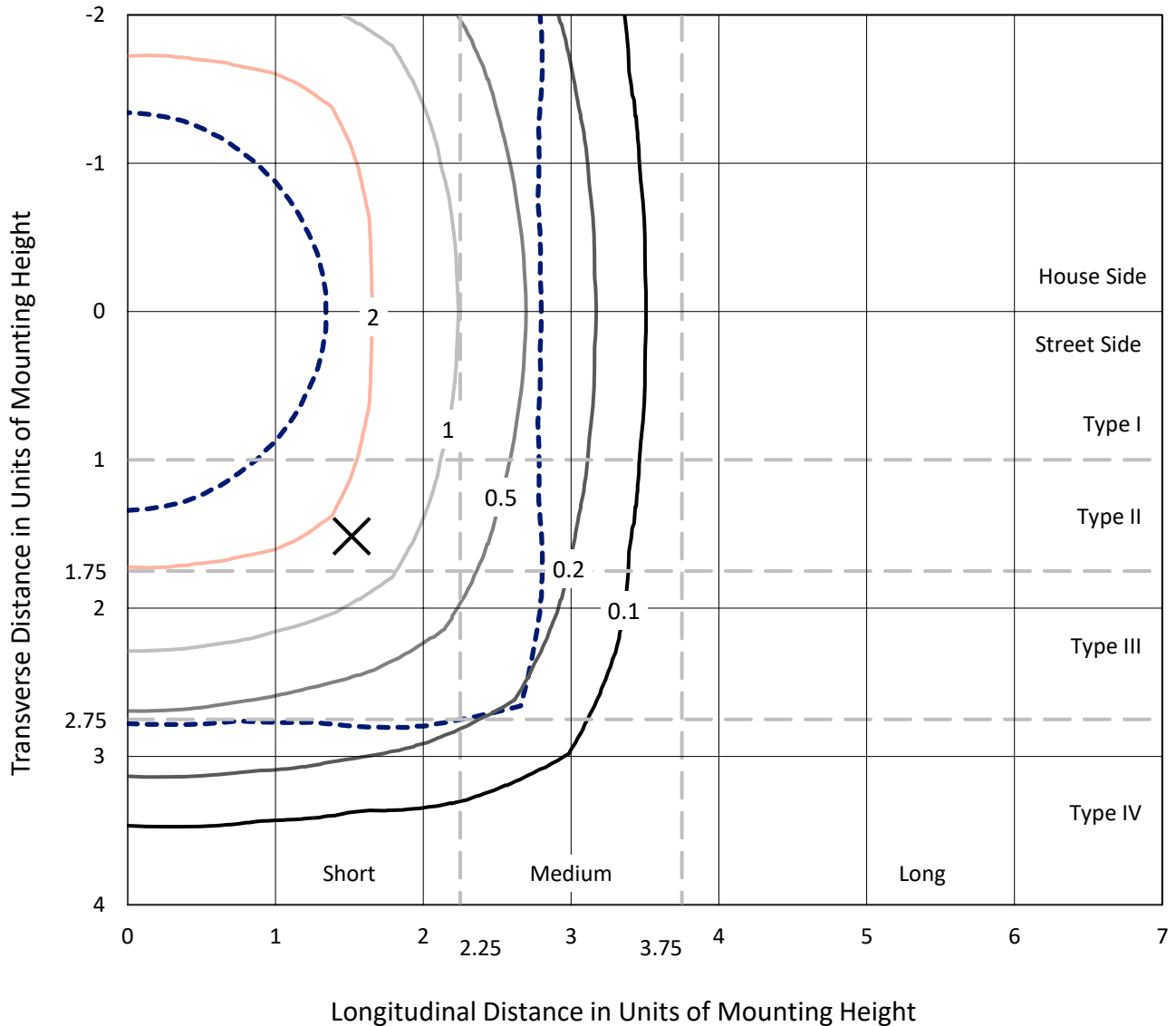
Lumens per Lamp: N/A
Luminaire Lumens: 42055.9 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

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

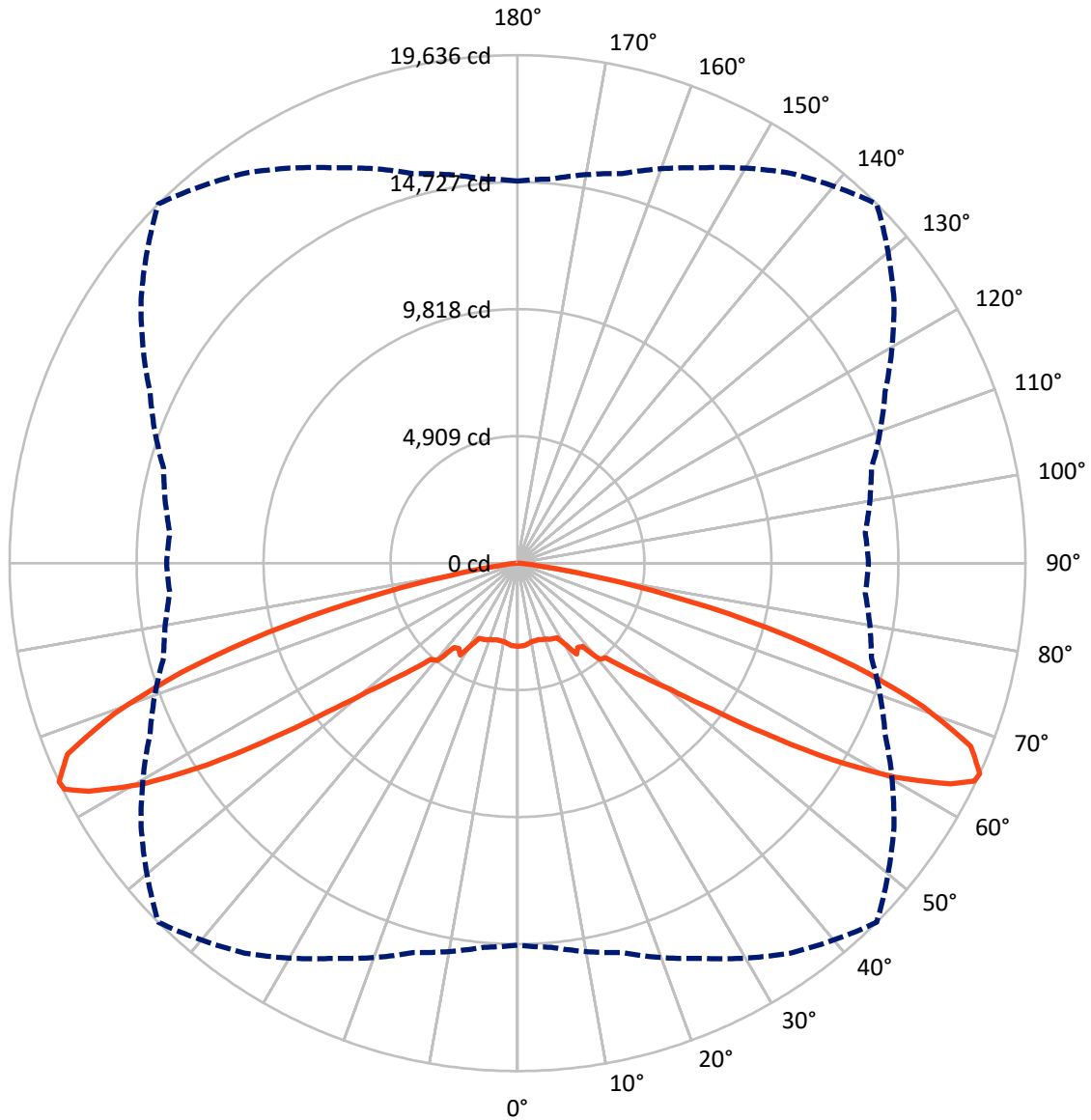
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.6 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	21028.0	0.0	21028.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21028.0	0.0	21028.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	42055.9	0.0	42055.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.7	0.7
10°-20°	886.4	2.1
20°-30°	1534.2	3.6
30°-40°	2551.1	6.1
40°-50°	4602.6	10.9
50°-60°	10253.2	24.4
60°-70°	15280.5	36.3
70°-80°	6332.4	15.1
80°-90°	313.6	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°	42055.9	100.0
0°-180°	42055.9	100.0

Coefficient of Utilization



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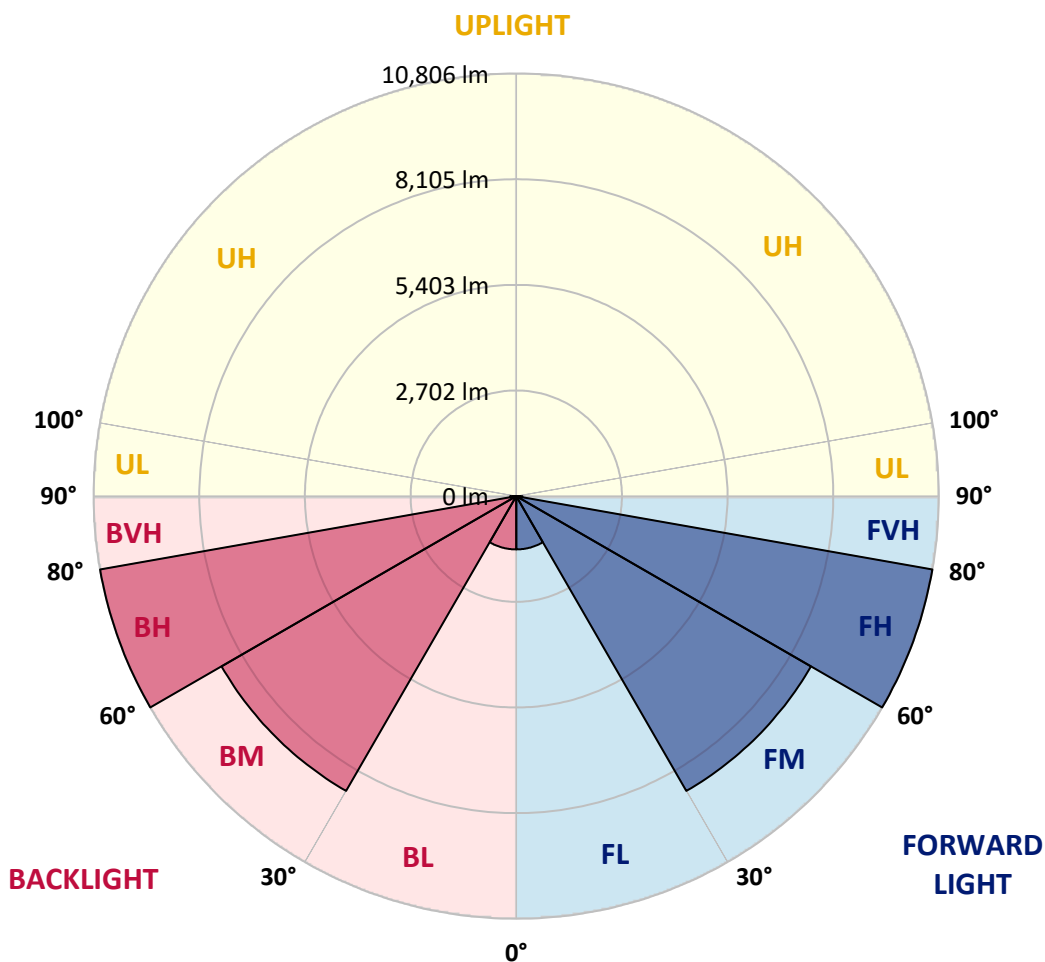
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1361.2	3.2			
FM (30°-60°)	8703.5	20.7			
FH (60°-80°)	10806.5	25.7			G4/12000
FVH (80°-90°)	156.8	0.4			G2/225
BL (0°-30°)	1361.2	3.2	B3/2500		
BM (30°-60°)	8703.5	20.7	B5		
BH (60°-80°)	10806.5	25.7	B5		G4/12000
BVH (80°-90°)	156.8	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°	3215.4	3215.4	3215.4	3215.4	3215.4	3215.4	3215.4	3215.4	3215.4	3215.4	3215.4
2.5°	3178.3	3187.6	3182.9	3182.9	3196.8	3206.1	3210.8	3257.3	3238.7	3252.6	3238.7
5°	3187.6	3187.6	3196.8	3187.6	3196.8	3187.6	3196.8	3182.9	3196.8	3206.1	3220.1
7.5°	3169.0	3159.7	3145.7	3145.7	3141.1	3131.8	3117.9	3155.0	3136.4	3150.4	3173.6
10°	3173.6	3159.7	3113.2	3122.5	3080.7	3080.7	3090.0	3090.0	3131.8	3178.3	3192.2
12.5°	3173.6	3145.7	3131.8	3071.4	3071.4	3076.0	3099.3	3108.6	3136.4	3155.0	3201.5
15°	3173.6	3159.7	3136.4	3057.4	3076.0	3066.7	3090.0	3090.0	3150.4	3182.9	3206.1
17.5°	3192.2	3201.5	3159.7	3085.3	3090.0	3108.6	3094.6	3108.6	3182.9	3206.1	3238.7
20°	3196.8	3159.7	3145.7	3099.3	3141.1	3131.8	3127.1	3155.0	3178.3	3220.1	3257.3
22.5°	3187.6	3201.5	3145.7	3141.1	3178.3	3196.8	3206.1	3173.6	3201.5	3229.4	3261.9
25°	3266.5	3215.4	3201.5	3192.2	3210.8	3229.4	3220.1	3248.0	3248.0	3280.5	3322.3
27.5°	3480.3	3484.9	3457.1	3345.5	3308.4	3266.5	3285.1	3359.5	3447.8	3517.5	3531.4
30°	3577.9	3596.5	3670.8	3652.2	3638.3	3652.2	3647.6	3666.2	3675.4	3680.1	3666.2
32.5°	3666.2	3656.9	3624.3	3708.0	3982.1	4191.2	3991.4	3717.3	3656.9	3638.3	3656.9
35°	3986.8	3986.8	3917.1	3810.2	3954.2	4005.4	3912.4	3782.3	3856.7	4010.0	4019.3
37.5°	4400.3	4339.9	4367.8	4353.8	4195.9	4084.3	4247.0	4330.6	4344.6	4339.9	4386.4
40°	4646.6	4604.8	4562.9	4637.3	4781.3	4883.6	4739.5	4539.7	4590.8	4693.0	4651.2
42.5°	5208.8	5101.9	5111.2	5036.9	5032.2	4999.7	4967.2	4981.1	5055.5	5171.6	5190.2
45°	5785.0	5836.1	5803.6	5664.2	5729.2	5729.2	5636.3	5706.0	5743.2	5877.9	5896.5
47.5°	6686.4	6663.2	6677.1	6551.7	6547.0	6579.6	6547.0	6551.7	6667.8	6658.5	6607.4
50°	7741.2	7806.3	7824.8	7764.4	7690.1	7676.1	7625.0	7690.1	7759.8	7764.4	7722.6
52.5°	9200.2	9269.9	9269.9	9288.5	9381.4	9335.0	9325.7	9330.3	9195.6	9102.6	9149.1
55°	11040.3	11063.5	11142.5	11305.1	11588.6	11625.7	11449.2	11370.2	11123.9	10975.2	11091.4
57.5°	12857.1	12950.0	13168.4	13591.2	13939.7	14320.8	13809.6	13289.2	12806.0	12569.0	12610.8
60°	14367.2	14502.0	14920.2	15510.3	16476.8	16825.3	15961.0	15068.9	14088.4	13363.6	13656.3
62.5°	15078.2	15287.2	15640.4	16834.6	18284.3	18786.1	17517.6	15895.9	14409.0	13712.1	13698.1
64°	15082.8	15115.3	15821.6	17108.7	18600.3	19571.4	17894.0	15895.9	14488.0	13628.4	13786.4
65°	14771.5	14906.2	15589.3	16857.8	18400.5	19636.4	17763.9	15677.6	14162.8	13493.7	13568.0
67.5°	13358.9	13354.3	13986.2	15245.4	17387.5	18897.6	16658.0	14455.5	13358.9	12634.1	12722.3
70°	10134.2	10296.8	10900.9	12448.2	15045.6	16662.6	14567.0	12285.6	10919.5	10338.6	10306.1
72.5°	6063.8	6277.5	7048.9	8935.4	11686.1	13651.7	11560.7	9088.7	7443.8	6523.8	6547.0
75°	2764.7	2922.7	3452.4	4990.4	7787.7	9980.9	7834.1	5255.3	3768.4	3182.9	3099.3
77.5°	776.0	873.6	1166.3	2290.8	4274.9	5984.8	4395.7	2532.4	1644.9	1366.1	1338.2
80°	348.5	367.1	413.5	557.6	1356.8	2639.3	1816.8	929.3	618.0	511.1	487.9
82.5°	190.5	204.4	269.5	288.1	385.7	701.6	599.4	436.8	371.7	297.4	288.1
85°	106.9	111.5	153.3	153.3	185.9	204.4	218.4	232.3	227.7	167.3	162.6
87.5°	32.5	37.2	46.5	46.5	46.5	46.5	74.3	102.2	111.5	79.0	79.0
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)