

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P639718

Luminaire Tested: GWS-SA5C-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-740-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14549.2 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

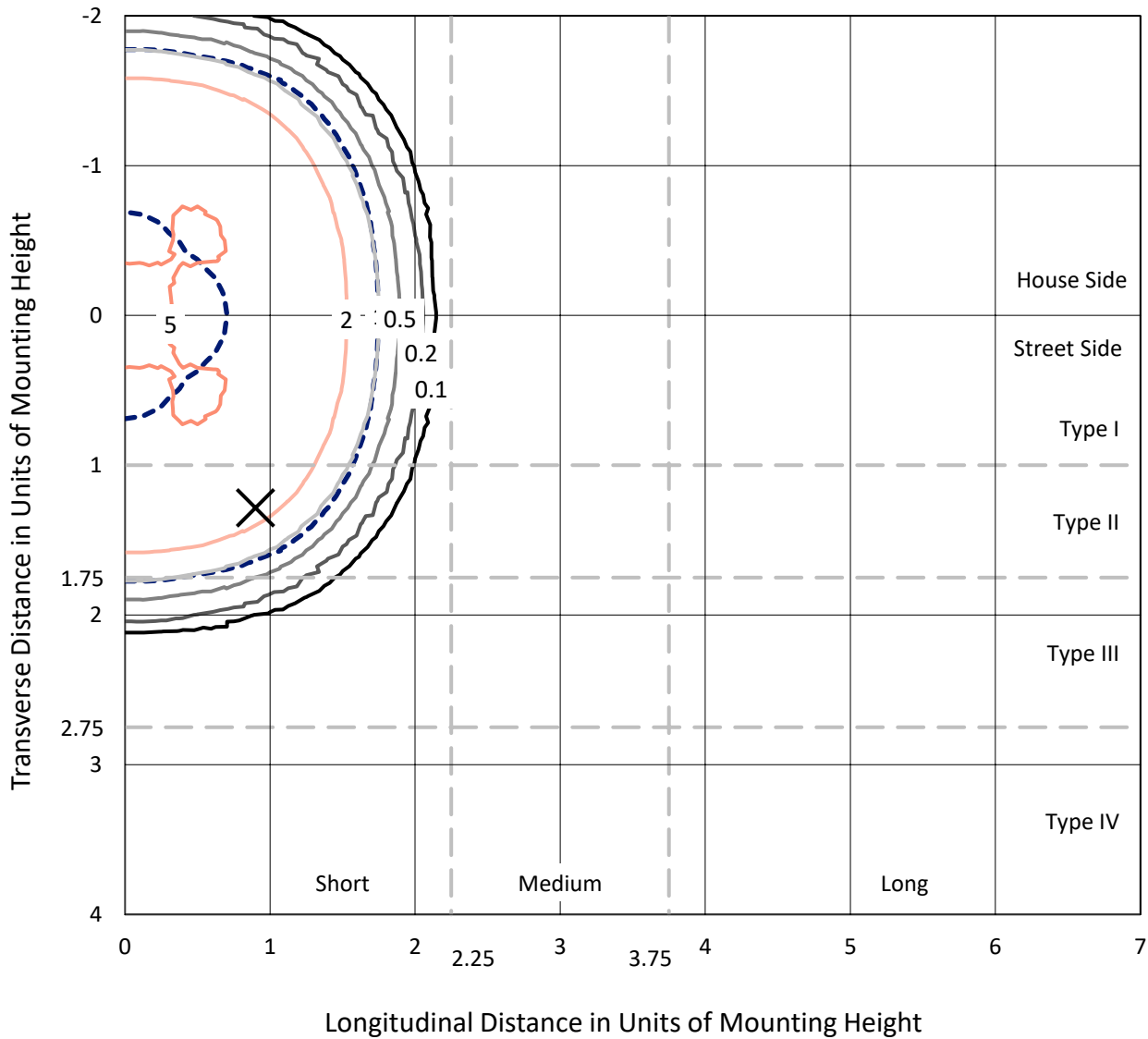
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

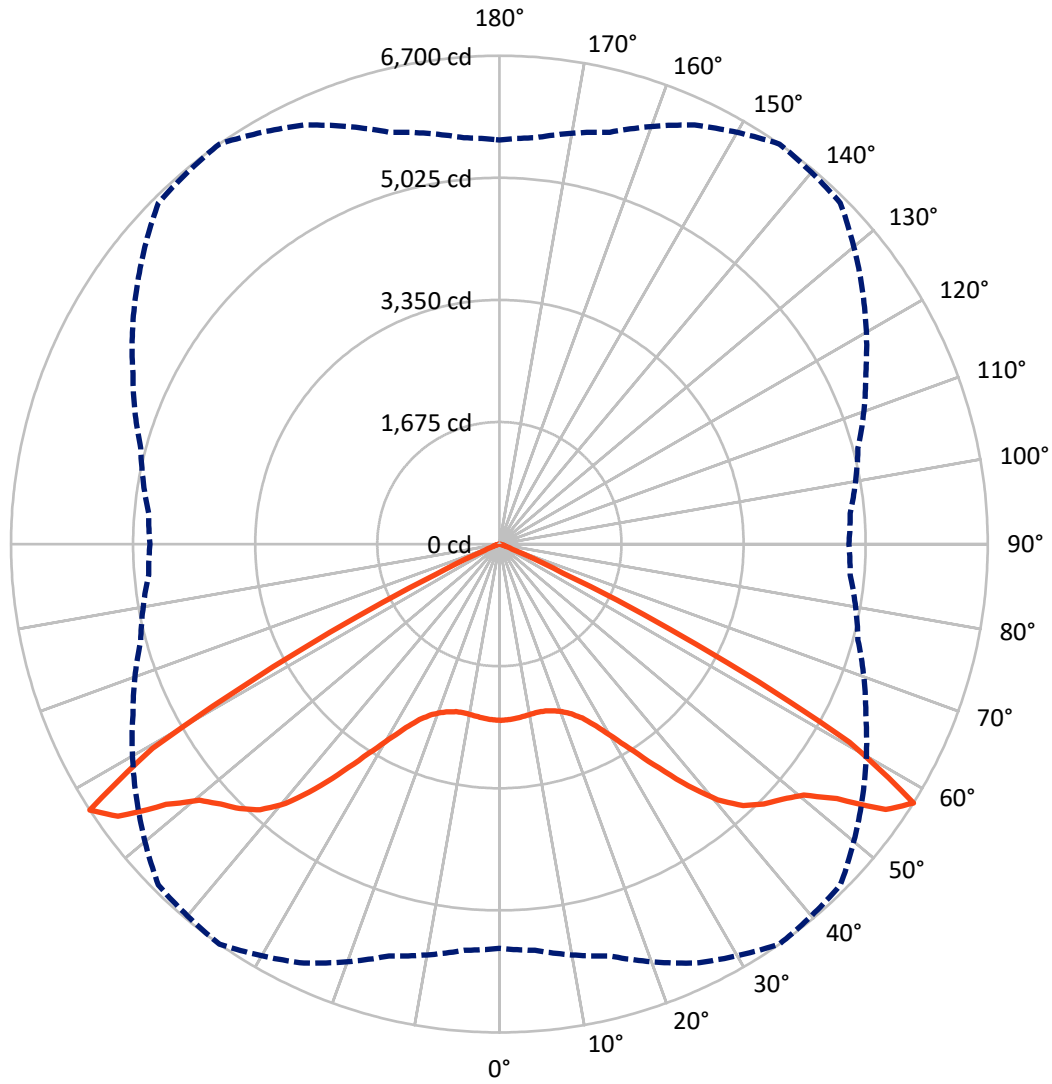
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

REPORT NUMBER: P639718
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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P639718

CATALOG NUMBER: GWS-SA5C-740-U-5MQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7274.6	0.0	7274.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7274.6	0.0	7274.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	14549.2	0.0	14549.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.9	1.6
10°-20°	670.4	4.6
20°-30°	1211.8	8.3
30°-40°	2260.7	15.5
40°-50°	3792.3	26.1
50°-60°	5008.1	34.4
60°-70°	1330.0	9.1
70°-80°	47.3	0.3
80°-90°	0.8	0.0
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°	14549.2	100.0
0°-180°	14549.2	100.0

Coefficient of Utilization



REPORT NUMBER: P639718

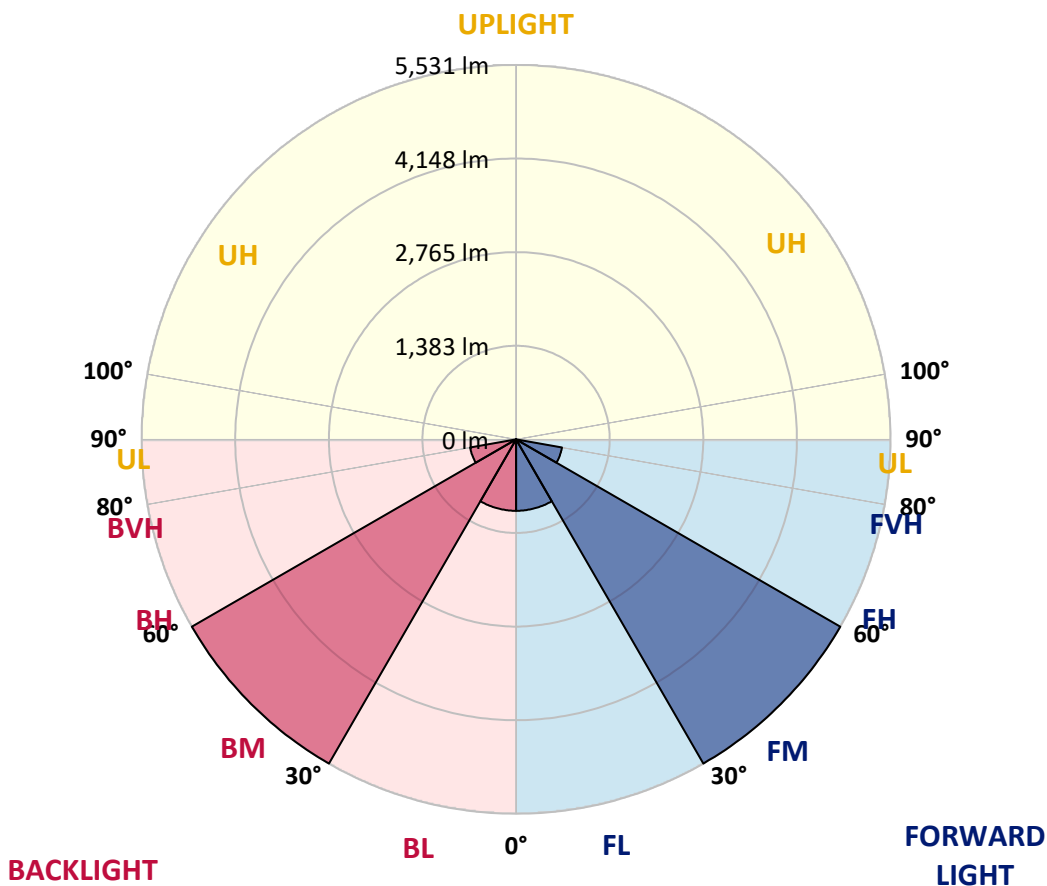
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1055.0	7.3			
FM (30°-60°)	5530.5	38.0			
FH (60°-80°)	688.6	4.7			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1055.0	7.3	B3/2500		
BM (30°-60°)	5530.5	38.0	B4/8500		
BH (60°-80°)	688.6	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2418.9	2418.9	2418.9	2418.9	2418.9	2418.9	2418.9	2418.9	2418.9	2418.9	2418.9
2.5°	2401.9	2400.2	2407.0	2412.1	2412.1	2424.1	2420.6	2417.2	2413.8	2408.7	2420.6
5°	2398.5	2396.7	2401.9	2405.3	2401.9	2412.1	2405.3	2398.5	2395.0	2388.2	2401.9
7.5°	2383.1	2384.8	2388.2	2391.6	2386.5	2395.0	2386.5	2376.3	2367.7	2360.9	2372.8
10°	2359.2	2360.9	2364.3	2371.1	2372.8	2384.8	2372.8	2354.1	2342.1	2331.9	2343.8
12.5°	2347.2	2348.9	2354.1	2362.6	2364.3	2379.7	2364.3	2337.0	2319.9	2308.0	2319.9
15°	2350.7	2354.1	2360.9	2371.1	2374.6	2389.9	2369.4	2333.6	2309.7	2294.3	2304.6
17.5°	2362.6	2366.0	2376.3	2393.3	2405.3	2420.6	2395.0	2348.9	2316.5	2294.3	2304.6
20°	2378.0	2383.1	2400.2	2427.5	2453.1	2480.4	2448.0	2384.8	2342.1	2314.8	2323.3
22.5°	2420.6	2425.8	2449.7	2485.5	2528.2	2562.3	2523.1	2442.8	2384.8	2348.9	2357.5
25°	2507.7	2512.8	2543.6	2589.6	2644.3	2688.7	2639.1	2538.4	2463.3	2422.3	2425.8
27.5°	2644.3	2649.4	2685.2	2750.1	2823.5	2886.7	2815.0	2697.2	2611.8	2564.0	2564.0
30°	2816.7	2823.5	2871.3	2958.4	3072.7	3156.4	3059.1	2915.7	2806.4	2741.6	2743.3
32.5°	3038.6	3031.8	3100.1	3219.6	3381.7	3492.7	3349.3	3175.2	3040.3	2949.8	2958.4
35°	3323.7	3322.0	3398.8	3561.0	3772.7	3905.8	3735.1	3509.8	3347.6	3255.4	3257.1
37.5°	3690.7	3689.0	3777.8	3953.6	4208.0	4318.9	4127.7	3899.0	3724.9	3636.1	3646.3
40°	4120.9	4110.7	4189.2	4358.2	4612.5	4684.2	4476.0	4291.6	4124.3	4068.0	4095.3
42.5°	4530.6	4508.4	4554.5	4708.1	4904.4	4914.7	4757.6	4631.3	4516.9	4472.6	4489.6
45°	4860.1	4843.0	4885.7	4974.4	5087.1	5035.9	4960.8	4921.5	4829.3	4781.5	4796.9
47.5°	5105.9	5105.9	5157.1	5211.7	5228.8	5134.9	5146.9	5146.9	5054.7	4979.6	4960.8
50°	5317.6	5332.9	5409.7	5466.1	5409.7	5290.2	5358.5	5344.9	5157.1	5006.9	4967.6
52.5°	5655.6	5670.9	5788.7	5865.5	5802.4	5684.6	5693.1	5522.4	5245.9	5068.3	5006.9
55°	6014.1	6051.6	6222.3	6427.2	6428.9	6307.7	6082.3	5780.2	5443.9	5251.0	5187.8
57.5°	5544.6	5595.8	5850.2	6343.5	6700.3	6616.7	6078.9	5548.0	5093.9	4831.0	4795.2
60°	3815.3	3904.1	4158.5	4832.7	5520.7	5553.1	4918.1	4322.3	3801.7	3477.3	3484.2
62.5°	1611.5	1702.0	1845.4	2400.2	3031.8	3071.0	2763.8	2337.0	1911.9	1678.1	1713.9
65°	379.0	404.6	447.3	664.1	962.8	1007.2	928.7	723.8	534.3	452.4	460.9
67.5°	165.6	169.0	160.5	170.7	211.7	216.8	210.0	184.4	174.1	177.5	177.5
70°	116.1	117.8	111.0	105.8	100.7	93.9	97.3	107.5	116.1	122.9	121.2
72.5°	71.7	73.4	75.1	75.1	70.0	63.2	66.6	73.4	75.1	76.8	75.1
75°	35.8	37.6	41.0	42.7	41.0	39.3	39.3	41.0	41.0	39.3	39.3
77.5°	6.8	8.5	11.9	13.7	13.7	13.7	13.7	13.7	15.4	13.7	13.7
80°	1.7	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4
82.5°	1.7	1.7	1.7	1.7	0.0	0.0	1.7	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
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)