

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: P640219

Luminaire Tested: GWS-SA5D-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-740-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 15809.2 lumens
Efficiency: N/A
Efficacy: 77.3 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): 204.6
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

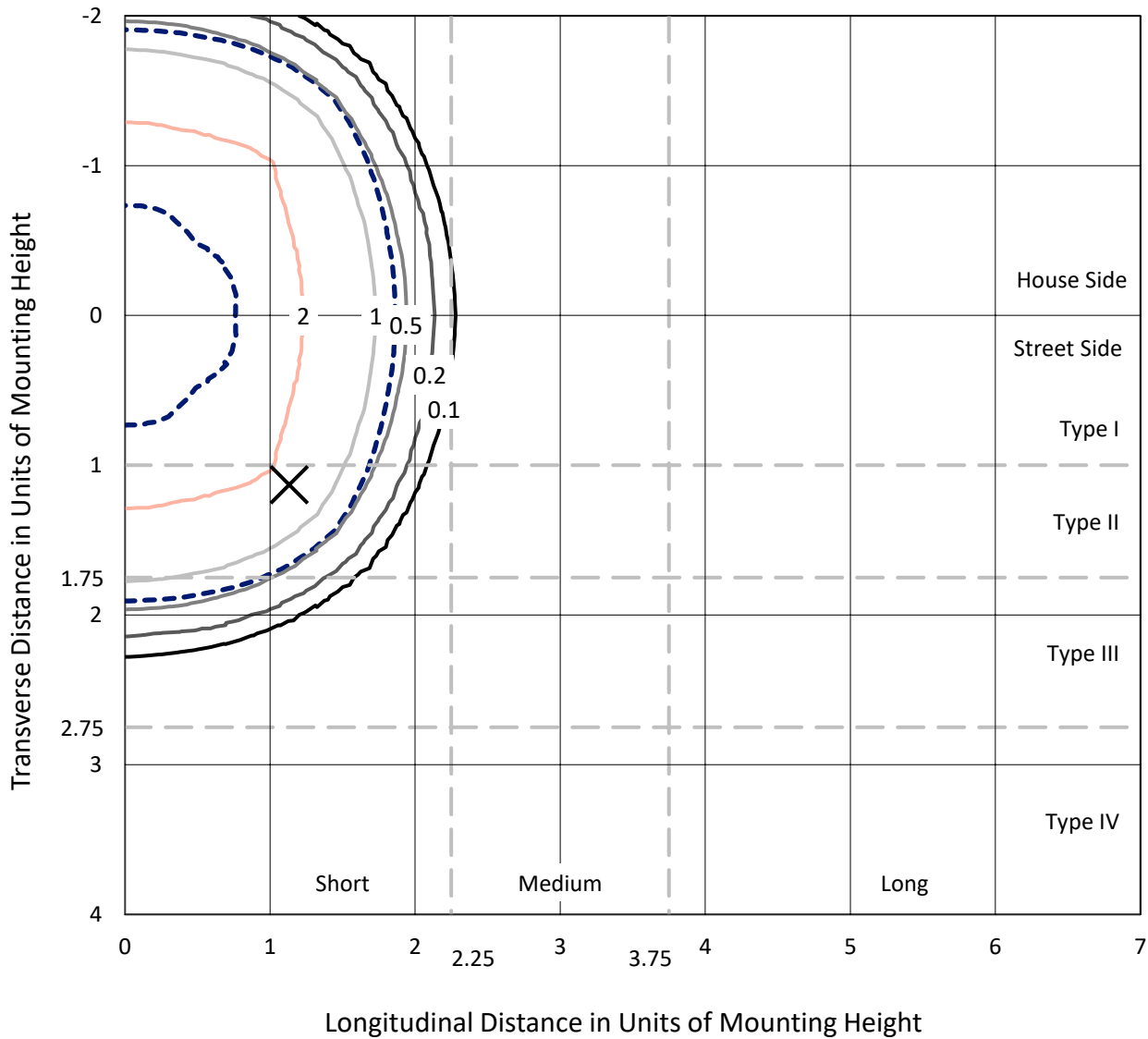


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Iso-Footcandle Lines of Horizontal Illumination

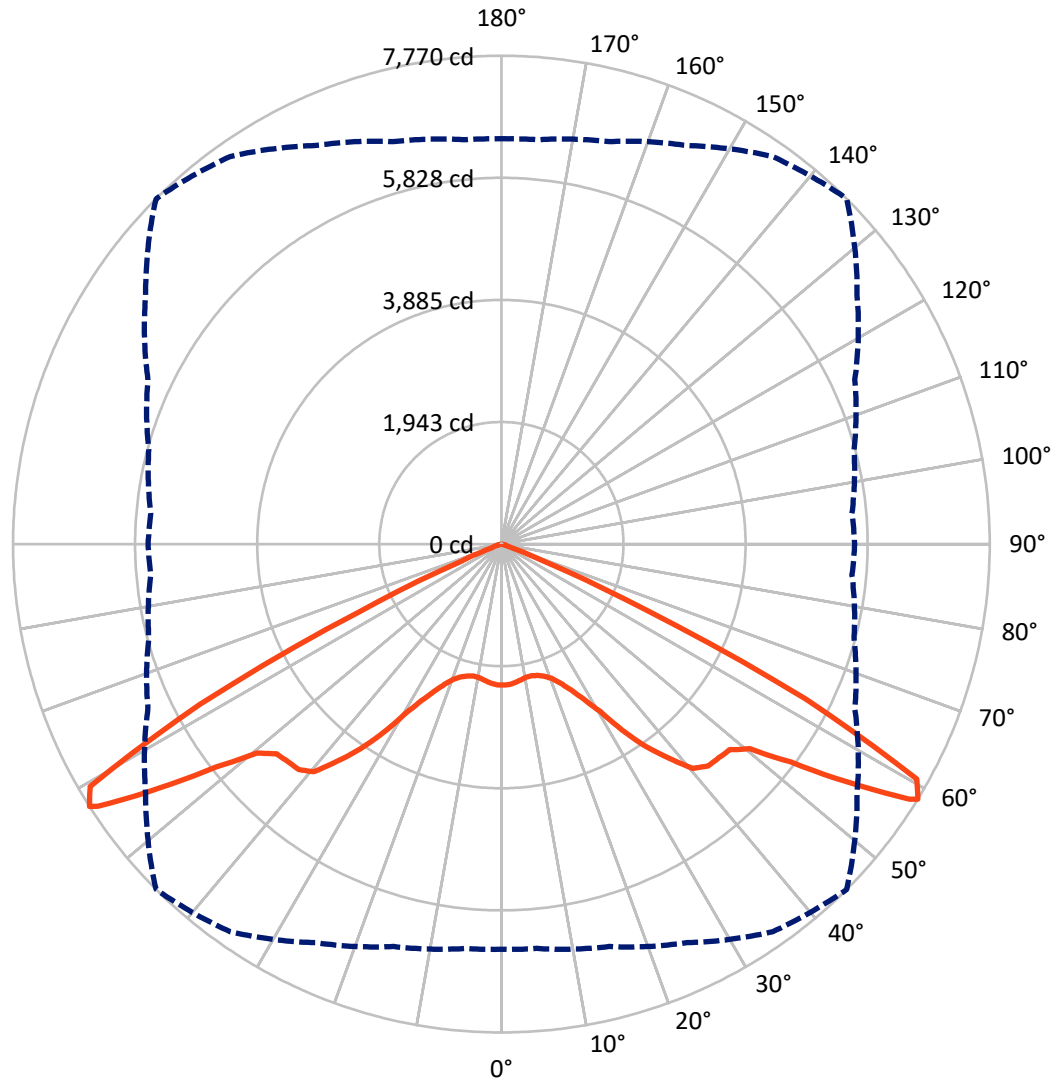
✕ Max cd
 - - - 1/2 Max cd



Based on 25 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 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7904.6	0.0	7904.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7904.6	0.0	7904.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	15809.2	0.0	15809.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.2	1.3
10°-20°	618.9	3.9
20°-30°	1170.6	7.4
30°-40°	2308.7	14.6
40°-50°	3653.4	23.1
50°-60°	5370.3	34.0
60°-70°	2397.1	15.2
70°-80°	80.3	0.5
80°-90°	0.7	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°	15809.2	100.0
0°-180°	15809.2	100.0

Coefficient of Utilization



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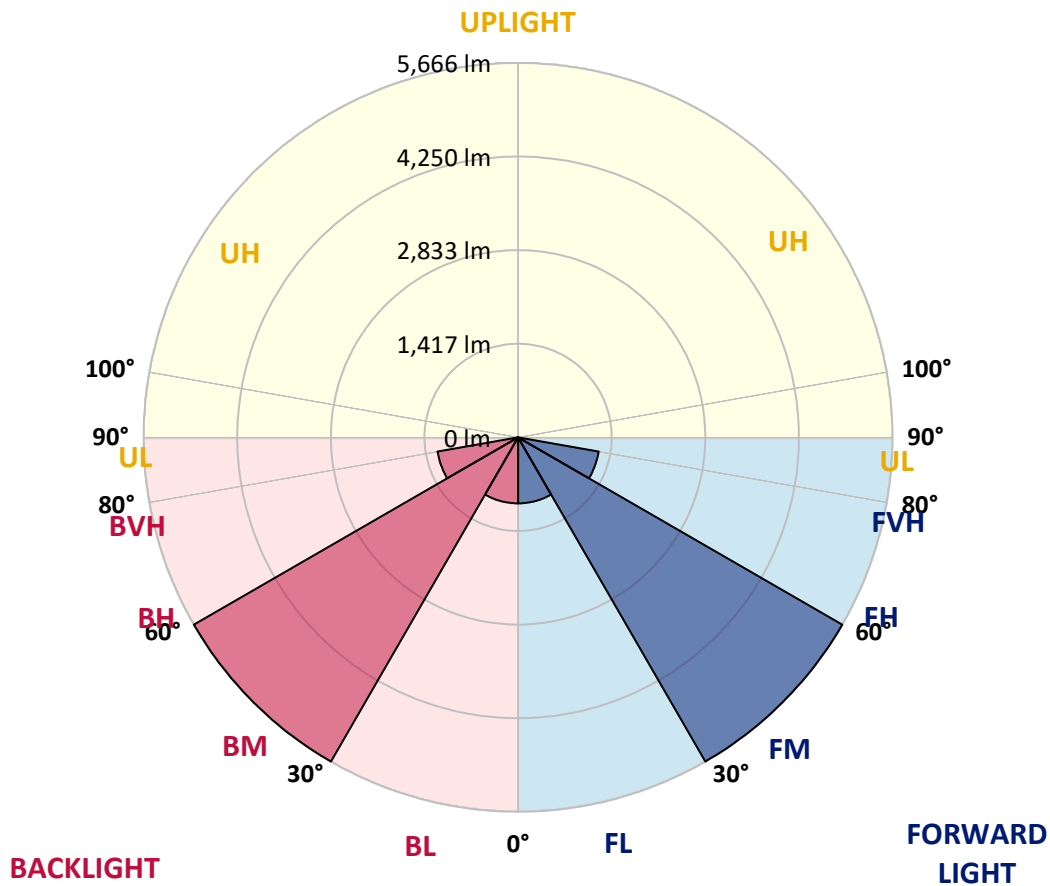
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	999.4	6.3			
FM (30°-60°)	5666.2	35.8			
FH (60°-80°)	1238.7	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	999.4	6.3	B2/1000		
BM (30°-60°)	5666.2	35.8	B4/8500		
BH (60°-80°)	1238.7	7.8	B3/2500		G1/1800
BVH (80°-90°)	0.3	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°	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0
2.5°	2220.4	2224.7	2229.0	2231.2	2233.3	2239.8	2242.0	2235.5	2235.5	2222.6	2237.6
5°	2209.7	2214.0	2218.3	2216.1	2216.1	2216.1	2214.0	2205.3	2203.2	2190.3	2205.3
7.5°	2190.3	2194.6	2194.6	2188.1	2183.8	2183.8	2181.7	2170.9	2168.7	2155.8	2170.9
10°	2175.2	2177.3	2175.2	2162.3	2153.7	2153.7	2151.5	2147.2	2149.3	2140.7	2153.7
12.5°	2183.8	2186.0	2177.3	2160.1	2149.3	2147.2	2140.7	2134.3	2140.7	2138.6	2151.5
15°	2211.8	2214.0	2198.9	2177.3	2168.7	2168.7	2151.5	2134.3	2142.9	2145.0	2160.1
17.5°	2246.3	2246.3	2226.9	2207.5	2209.7	2209.7	2181.7	2151.5	2153.7	2162.3	2177.3
20°	2287.2	2287.2	2267.8	2263.5	2278.6	2280.7	2246.3	2198.9	2188.1	2194.6	2211.8
22.5°	2360.4	2360.4	2345.3	2356.1	2390.6	2401.3	2349.6	2282.9	2257.0	2261.3	2278.6
25°	2474.5	2474.5	2470.2	2496.1	2545.6	2569.3	2500.4	2412.1	2369.0	2362.6	2381.9
27.5°	2666.2	2668.4	2661.9	2700.7	2763.1	2791.1	2696.4	2580.1	2528.4	2517.6	2537.0
30°	2913.9	2913.9	2916.0	2969.9	3051.7	3088.3	2963.4	2827.7	2767.4	2733.0	2758.8
32.5°	3189.6	3193.9	3215.4	3305.9	3450.2	3525.5	3342.5	3153.0	3056.0	3019.4	3047.4
35°	3644.0	3603.1	3577.2	3644.0	3852.9	3952.0	3717.2	3495.4	3422.2	3417.9	3488.9
37.5°	4094.1	4070.4	4016.6	4085.5	4272.9	4318.1	4059.6	3874.4	3822.7	3850.7	3921.8
40°	4451.6	4408.5	4337.5	4402.1	4647.6	4692.8	4374.1	4191.0	4171.6	4234.1	4331.0
42.5°	4733.7	4673.4	4578.7	4593.7	4791.9	4824.2	4542.1	4404.2	4417.1	4494.7	4604.5
45°	4860.8	4813.4	4729.4	4723.0	4847.9	4850.0	4628.2	4557.1	4591.6	4651.9	4738.0
47.5°	4914.6	4893.1	4845.7	4835.0	4906.0	4888.8	4751.0	4720.8	4753.1	4770.3	4819.9
50°	5048.2	5048.2	5054.6	5063.2	5136.5	5119.2	5022.3	4987.9	4946.9	4886.6	4901.7
52.5°	5422.9	5438.0	5500.4	5569.4	5702.9	5758.9	5601.7	5401.4	5205.4	5074.0	5074.0
55°	6099.2	6114.2	6187.5	6303.7	6549.3	6682.8	6316.7	5875.2	5606.0	5427.2	5450.9
57.5°	6471.7	6489.0	6639.7	6954.2	7430.1	7656.2	6870.2	6215.4	5838.6	5634.0	5651.2
58°	6448.0	6458.8	6629.0	6997.2	7527.0	7770.4	6908.9	6204.7	5808.4	5599.5	5621.0
60°	5728.7	5713.6	5985.0	6510.5	7257.8	7593.8	6523.4	5664.1	5203.2	4990.0	5000.8
62.5°	3745.2	3753.8	3988.6	4537.8	5119.2	5435.8	4557.1	3917.5	3547.1	3417.9	3385.5
65°	1563.6	1535.6	1679.9	1985.7	2334.6	2511.2	2158.0	1826.3	1598.0	1511.9	1535.6
67.5°	402.7	392.0	400.6	501.8	613.8	725.8	609.5	465.2	404.9	409.2	409.2
70°	228.3	215.4	174.4	161.5	157.2	157.2	157.2	157.2	180.9	213.2	219.7
72.5°	172.3	161.5	127.1	109.8	96.9	90.5	94.8	109.8	131.4	159.4	163.7
75°	86.1	86.1	77.5	73.2	64.6	60.3	62.5	68.9	79.7	90.5	88.3
77.5°	17.2	19.4	21.5	25.8	21.5	21.5	21.5	25.8	25.8	28.0	25.8
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	0.0	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)