

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: P635266

Luminaire Tested: GWS-SA3D-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635266  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-740-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

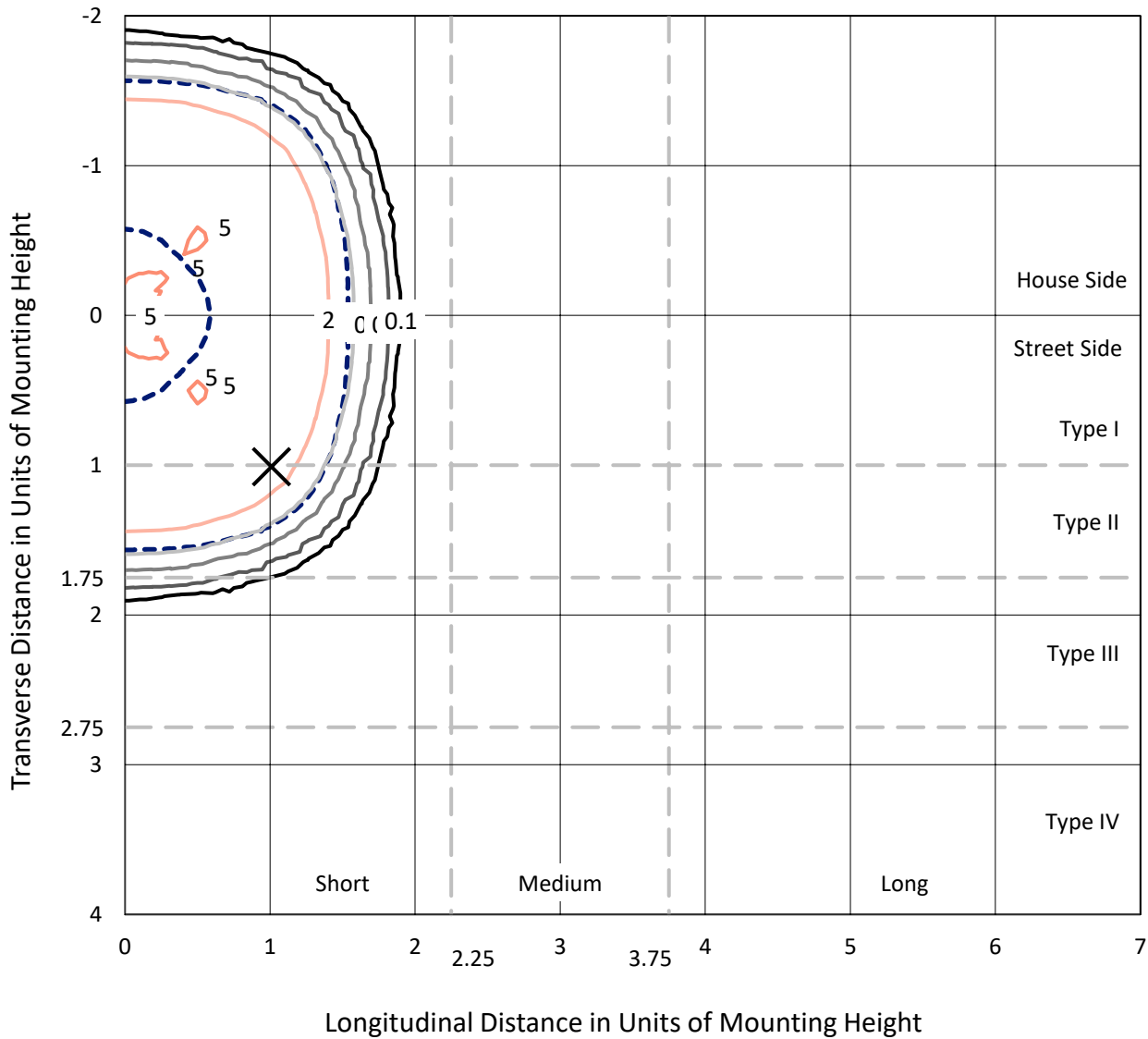
Lumens per Lamp: N/A  
Luminaire Lumens: 12383.5 lumens  
Efficiency: N/A  
Efficacy: 102.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

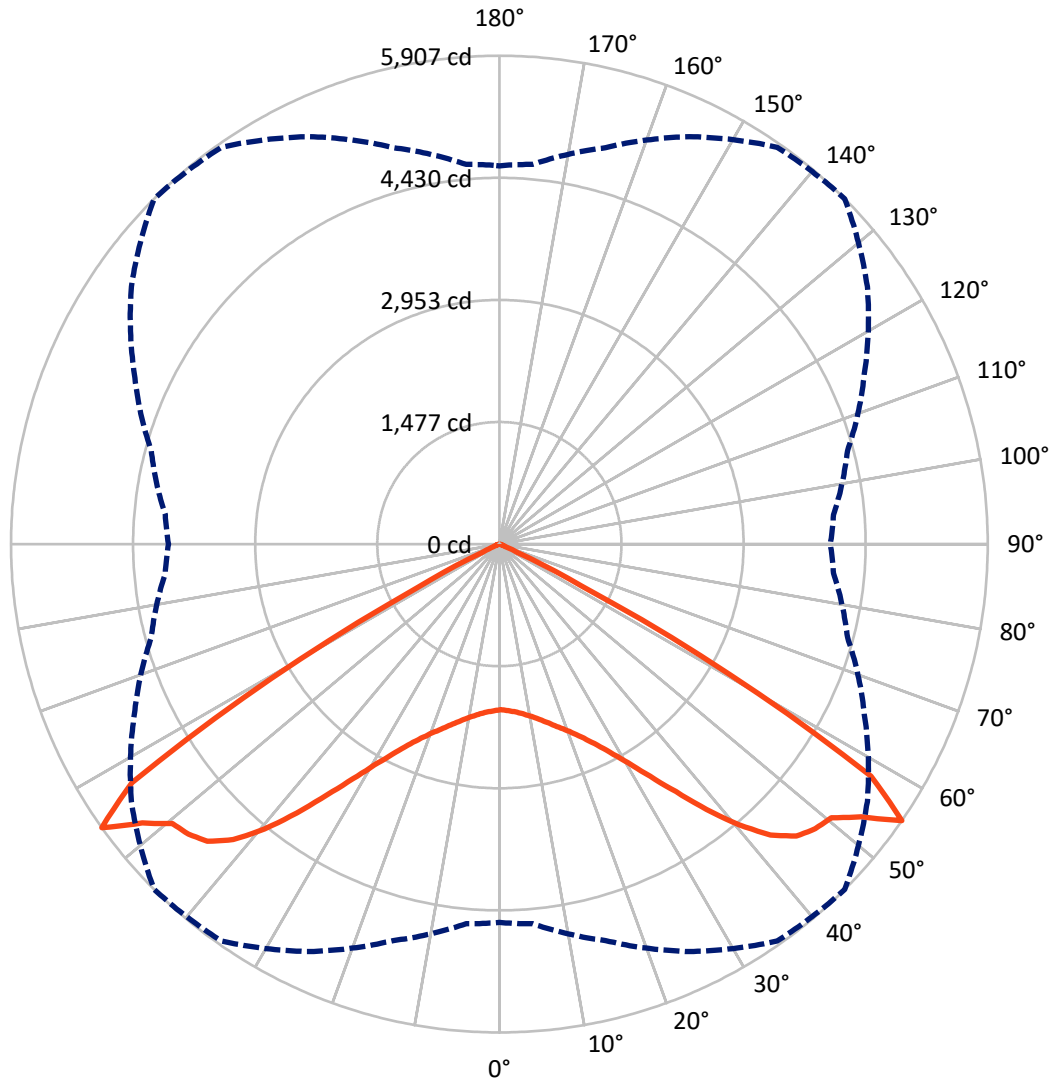
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6191.8	0.0	6191.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6191.8	0.0	6191.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12383.5	0.0	12383.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	196.2	1.6
10°-20°	635.9	5.1
20°-30°	1231.5	9.9
30°-40°	2206.3	17.8
40°-50°	3699.0	29.9
50°-60°	3959.6	32.0
60°-70°	435.1	3.5
70°-80°	19.2	0.2
80°-90°	0.9	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°	12383.5	100.0
0°-180°	12383.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635266

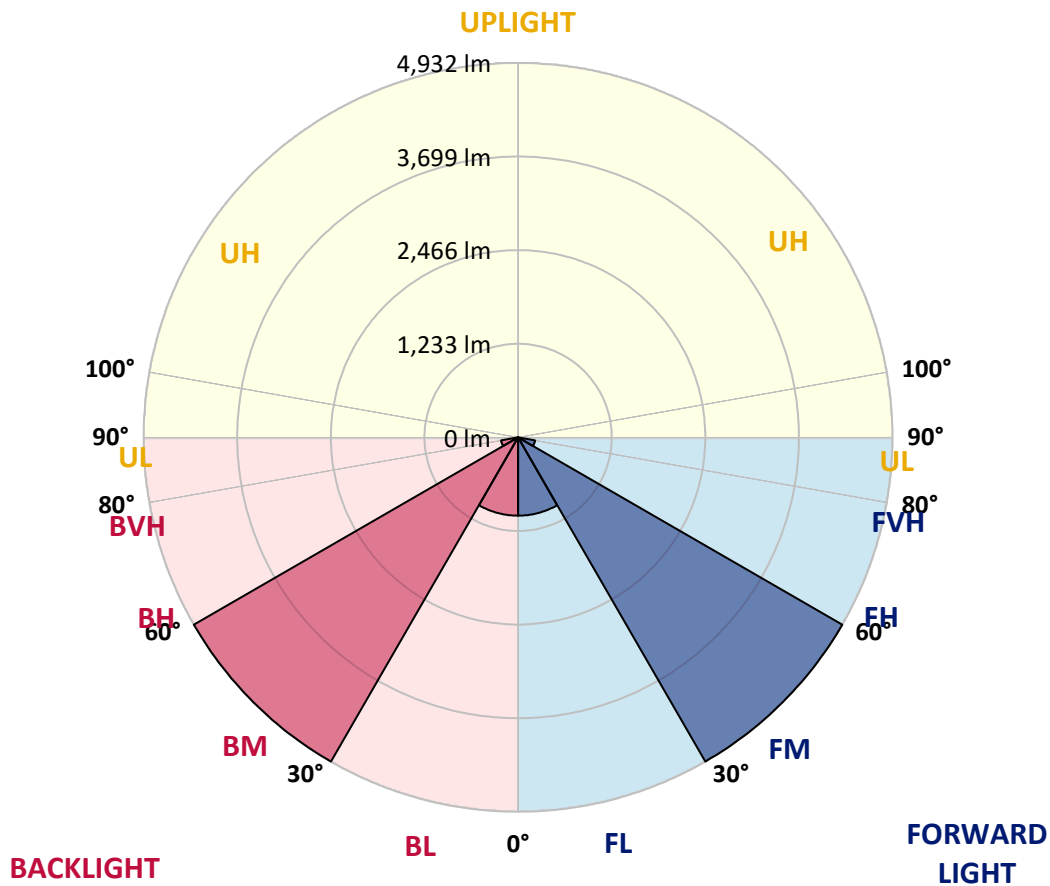
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1031.8	8.3			
FM (30°-60°)	4932.4	39.8			
FH (60°-80°)	227.1	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1031.8	8.3	B3/2500		
BM (30°-60°)	4932.4	39.8	B3/5000		
BH (60°-80°)	227.1	1.8	B1/500		G0/660
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2002.2	2002.2	2002.2	2002.2	2002.2	2002.2	2002.2	2002.2	2002.2	2002.2	2002.2
2.5°	1998.4	1998.4	2003.4	2007.2	2007.2	2017.3	2013.5	2009.7	2009.7	2004.7	2014.8
5°	2027.4	2026.1	2031.2	2033.7	2028.7	2038.8	2032.5	2028.7	2026.1	2021.1	2031.2
7.5°	2058.9	2060.2	2061.5	2066.5	2064.0	2074.1	2069.0	2061.5	2058.9	2051.4	2061.5
10°	2096.8	2096.8	2099.3	2105.6	2106.9	2119.5	2114.5	2105.6	2098.1	2090.5	2100.6
12.5°	2144.7	2146.0	2149.8	2158.6	2163.7	2177.5	2170.0	2152.3	2141.0	2132.1	2143.5
15°	2214.1	2212.9	2217.9	2230.5	2236.8	2246.9	2235.6	2211.6	2197.7	2187.6	2195.2
17.5°	2289.8	2289.8	2292.3	2305.0	2313.8	2328.9	2315.1	2286.0	2273.4	2259.5	2267.1
20°	2373.1	2376.9	2379.4	2388.2	2403.4	2418.5	2407.1	2378.1	2364.3	2346.6	2355.4
22.5°	2482.8	2479.1	2480.3	2495.5	2516.9	2532.0	2523.2	2489.2	2465.2	2451.3	2456.4
25°	2605.2	2604.0	2607.7	2630.5	2654.4	2670.8	2658.2	2614.1	2590.1	2566.1	2576.2
27.5°	2755.4	2756.6	2759.1	2786.9	2824.7	2848.7	2817.2	2773.0	2740.2	2708.7	2716.2
30°	2933.2	2930.7	2938.3	2976.1	3031.6	3069.5	3032.9	2971.1	2924.4	2894.1	2897.9
32.5°	3122.5	3125.0	3145.2	3205.7	3278.9	3345.8	3271.4	3189.3	3128.8	3072.0	3079.6
35°	3326.9	3333.2	3378.6	3468.2	3588.0	3677.6	3574.1	3439.1	3353.4	3280.2	3282.7
37.5°	3567.8	3583.0	3646.0	3779.8	3951.4	4071.2	3919.8	3740.7	3629.6	3538.8	3532.5
40°	3884.5	3902.2	3987.9	4146.9	4355.1	4464.8	4289.5	4105.3	3967.8	3869.4	3854.2
42.5°	4247.8	4270.5	4363.9	4526.7	4734.8	4809.3	4637.7	4482.5	4358.9	4242.8	4237.7
45°	4657.9	4670.5	4746.2	4871.1	5021.2	5038.9	4910.2	4824.4	4699.5	4591.0	4582.2
47.5°	5042.7	5055.3	5107.0	5171.3	5206.7	5143.6	5120.9	5083.0	4921.5	4787.8	4760.1
50°	5335.3	5345.4	5409.8	5435.0	5336.6	5202.9	5247.0	5166.3	4990.9	4840.8	4797.9
52.5°	5315.2	5340.4	5505.7	5649.5	5587.7	5479.2	5360.6	5186.5	4914.0	4708.3	4655.3
55°	4575.9	4609.9	4964.4	5437.5	5860.2	5906.9	5432.5	4871.1	4358.9	4057.3	4003.1
57.5°	2940.8	2949.6	3382.4	4046.0	4998.5	5298.8	4505.2	3672.5	3035.4	2703.6	2680.9
60°	1081.2	1063.5	1390.3	1940.4	2879.0	3196.9	2651.9	1857.1	1324.7	1090.0	1071.1
62.5°	259.9	262.4	325.5	488.2	903.3	1117.8	883.1	493.3	314.1	263.7	261.2
65°	131.2	128.7	129.9	140.0	193.0	230.9	189.2	133.7	128.7	129.9	128.7
67.5°	84.5	83.3	85.8	87.1	85.8	80.7	79.5	82.0	82.0	83.3	80.7
70°	51.7	50.5	53.0	56.8	54.2	47.9	50.5	53.0	50.5	49.2	49.2
72.5°	27.8	27.8	30.3	32.8	30.3	27.8	27.8	29.0	27.8	27.8	27.8
75°	12.6	12.6	13.9	15.1	12.6	12.6	12.6	12.6	12.6	12.6	12.6
77.5°	3.8	3.8	5.0	5.0	3.8	3.8	3.8	3.8	5.0	5.0	5.0
80°	1.3	2.5	2.5	1.3	1.3	1.3	1.3	1.3	2.5	2.5	2.5
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
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)