

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: P640713

Luminaire Tested: GWS-SA5E-740-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640713  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5E-740-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (80) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

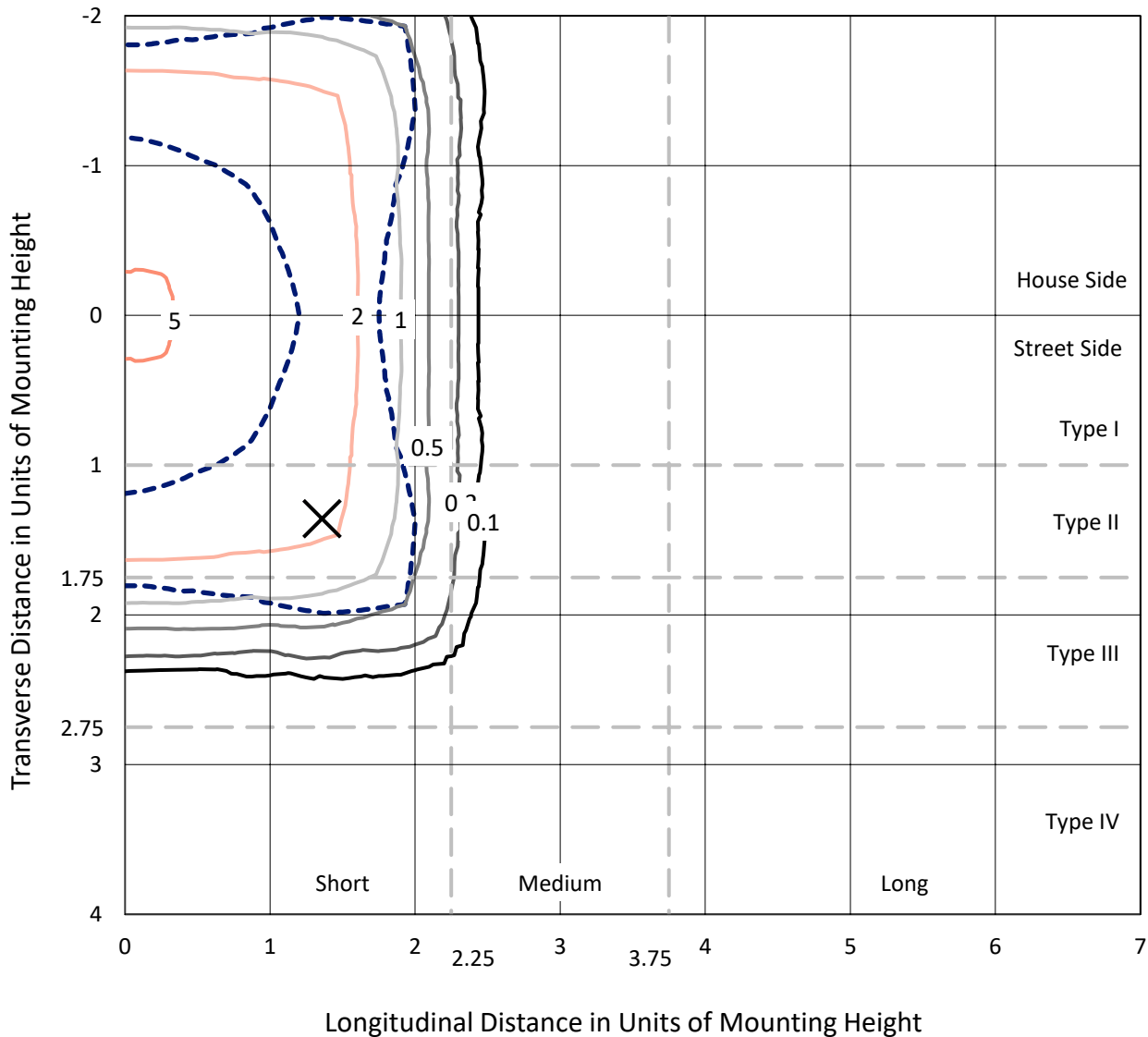
Lumens per Lamp: N/A  
Luminaire Lumens: 39237.4 lumens  
Efficiency: N/A  
Efficacy: 145.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): 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

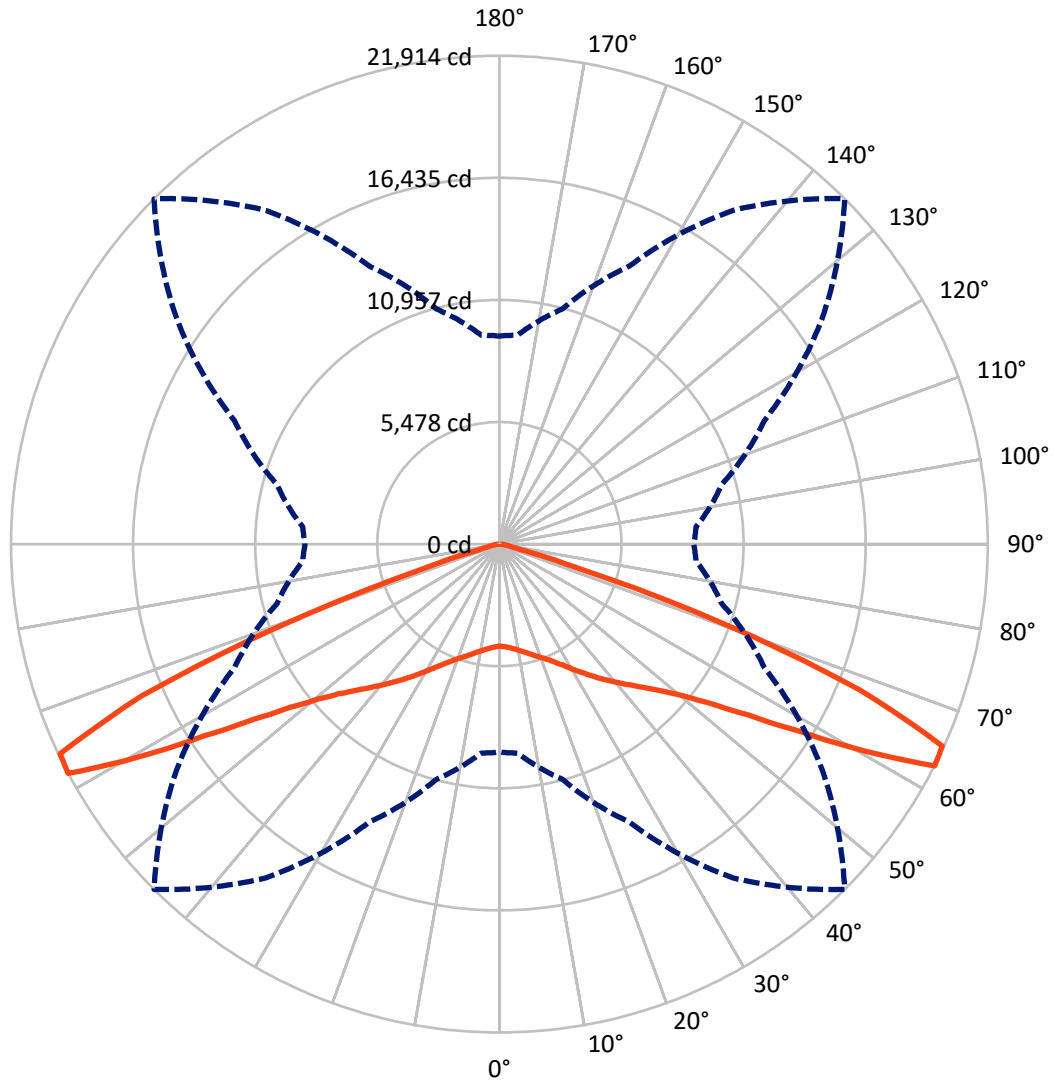
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 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 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19618.7	0.0	19618.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19618.7	0.0	19618.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	39237.4	0.0	39237.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	449.1	1.1
10°-20°	1448.3	3.7
20°-30°	2740.1	7.0
30°-40°	4612.0	11.8
40°-50°	7368.6	18.8
50°-60°	11877.8	30.3
60°-70°	9690.9	24.7
70°-80°	941.1	2.4
80°-90°	109.5	0.3
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°	39237.4	100.0
0°-180°	39237.4	100.0

**Coefficient of Utilization**



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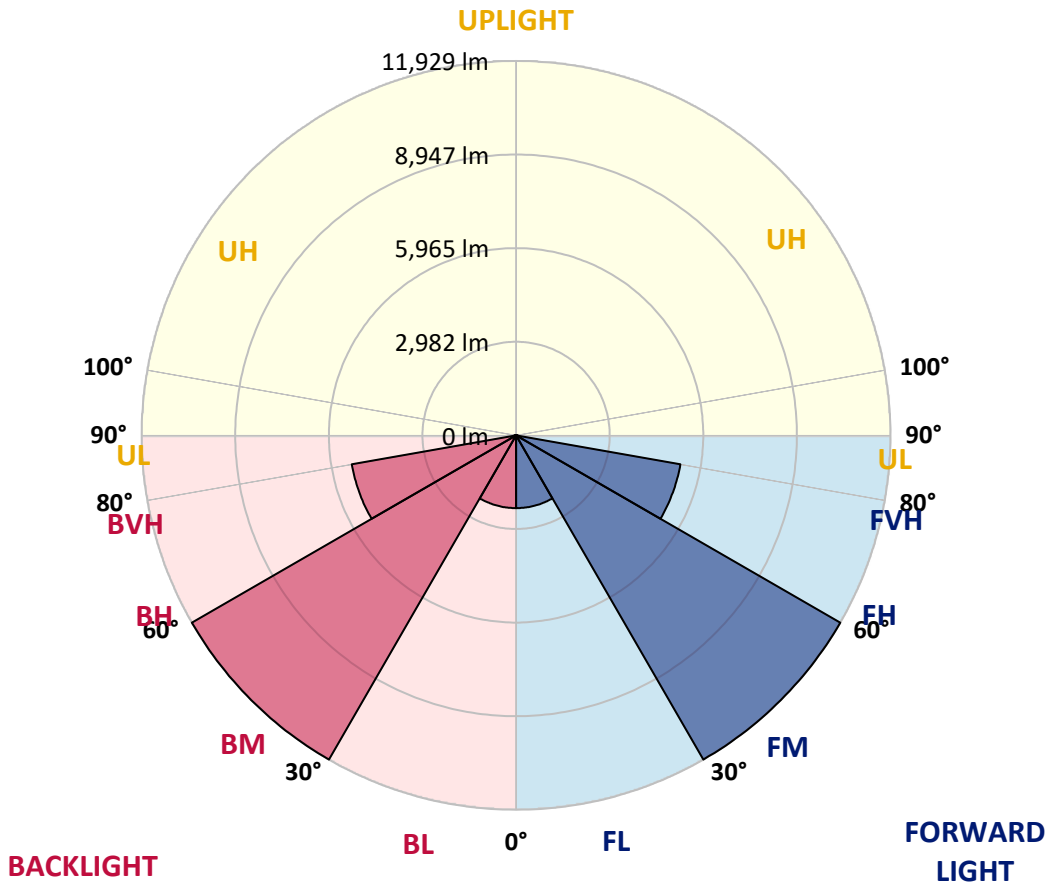
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2318.8	5.9			
FM (30°-60°)	11929.2	30.4			
FH (60°-80°)	5316.0	13.5			G3/7500
FVH (80°-90°)	54.8	0.1			G1/100
BL (0°-30°)	2318.8	5.9	B3/2500		
BM (30°-60°)	11929.2	30.4	B5		
BH (60°-80°)	5316.0	13.5	B5		G3/7500
BVH (80°-90°)	54.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4577.6	4577.6	4577.6	4577.6	4577.6	4577.6	4577.6	4577.6	4577.6	4577.6	4577.6
2.5°	4572.2	4572.2	4583.0	4591.0	4585.6	4607.2	4604.5	4599.1	4596.4	4588.3	4612.6
5°	4634.1	4634.1	4642.2	4650.2	4636.8	4663.7	4652.9	4647.5	4644.8	4634.1	4655.6
7.5°	4704.1	4712.1	4714.8	4728.3	4720.2	4749.8	4741.7	4731.0	4725.6	4712.1	4731.0
10°	4782.1	4787.5	4790.2	4814.4	4817.1	4852.1	4844.0	4830.5	4819.8	4806.3	4833.2
12.5°	4887.0	4889.7	4897.8	4927.4	4935.5	4962.4	4959.7	4940.9	4927.4	4908.6	4938.2
15°	5021.6	5024.3	5037.8	5067.4	5080.8	5113.1	5102.3	5072.7	5053.9	5032.4	5056.6
17.5°	5161.5	5172.3	5185.8	5215.4	5234.2	5271.9	5258.4	5226.1	5210.0	5188.5	5204.6
20°	5341.8	5344.5	5352.6	5384.9	5398.4	5441.4	5444.1	5411.8	5403.7	5382.2	5406.4
22.5°	5541.0	5543.7	5551.8	5586.7	5611.0	5637.9	5654.0	5635.2	5621.7	5594.8	5624.4
25°	5761.7	5788.6	5796.6	5839.7	5866.6	5882.8	5901.6	5893.5	5874.7	5842.4	5855.8
27.5°	6071.1	6076.5	6090.0	6138.4	6154.6	6170.7	6189.5	6192.2	6165.3	6127.6	6146.5
30°	6423.7	6421.0	6450.6	6488.3	6501.7	6515.2	6542.1	6558.2	6523.2	6482.9	6501.7
32.5°	6784.3	6816.6	6854.2	6889.2	6881.2	6886.5	6929.6	6959.2	6910.8	6838.1	6854.2
35°	7190.6	7212.2	7260.6	7311.7	7301.0	7292.9	7319.8	7349.4	7282.1	7187.9	7212.2
37.5°	7607.8	7640.1	7712.7	7774.6	7758.5	7720.8	7750.4	7782.7	7718.1	7610.4	7599.7
40°	8073.3	8124.4	8229.4	8280.5	8237.5	8164.8	8215.9	8294.0	8229.4	8105.6	8076.0
42.5°	8619.6	8681.5	8786.5	8864.5	8770.3	8651.9	8738.0	8851.0	8834.9	8670.7	8619.6
45°	9295.1	9335.4	9464.6	9502.3	9362.4	9198.2	9354.3	9526.5	9486.1	9308.5	9241.3
47.5°	10029.8	10091.6	10204.7	10274.6	10048.6	9844.1	10062.0	10293.5	10250.4	10083.6	10005.5
50°	10966.3	11047.0	11195.0	11254.2	10942.0	10707.9	10987.8	11281.1	11197.7	10974.3	10872.1
52.5°	11986.2	12050.8	12303.7	12422.1	12128.8	11875.9	12120.7	12408.7	12231.1	11935.1	11797.8
55°	12885.0	12949.6	13321.0	13713.9	13700.4	13525.5	13649.3	13654.7	13173.0	12683.2	12537.9
57.5°	13078.8	13143.4	13851.1	14879.1	15605.7	15807.6	15444.3	14680.0	13466.3	12607.8	12443.7
60°	12045.4	12118.1	13242.9	15121.3	17511.0	18859.3	17185.4	14658.5	12559.4	11396.8	11240.8
62.5°	9332.8	9410.8	10923.2	13743.5	18280.7	21913.7	17691.3	13116.5	10331.2	8859.1	8721.9
65°	4456.5	4456.5	6377.9	9857.5	16746.8	21841.0	16227.4	9704.1	6219.1	4776.7	4658.3
67.5°	1103.4	1108.7	1641.6	3837.5	11391.5	17430.3	11577.1	4658.3	2190.6	1550.1	1509.7
70°	688.9	686.2	761.6	1038.8	3985.5	10578.7	4733.7	1404.8	890.8	785.8	780.4
72.5°	535.5	535.5	573.2	664.7	1044.1	3603.4	1380.5	780.4	645.9	581.3	581.3
75°	422.5	422.5	449.4	497.9	616.3	928.4	734.7	578.6	500.5	457.5	452.1
77.5°	314.9	320.2	341.8	374.1	419.8	522.1	465.6	436.0	390.2	357.9	347.2
80°	204.5	212.6	239.5	258.3	274.5	344.5	304.1	317.6	296.0	258.3	253.0
82.5°	110.3	113.0	145.3	150.7	156.1	188.4	193.8	201.8	209.9	164.2	153.4
85°	40.4	40.4	48.4	56.5	61.9	67.3	91.5	113.0	118.4	94.2	91.5
87.5°	8.1	8.1	8.1	5.4	5.4	5.4	16.1	29.6	48.4	37.7	37.7
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)