

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: P638350

Luminaire Tested: GWS-SA4E-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4E-760-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26075.3 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

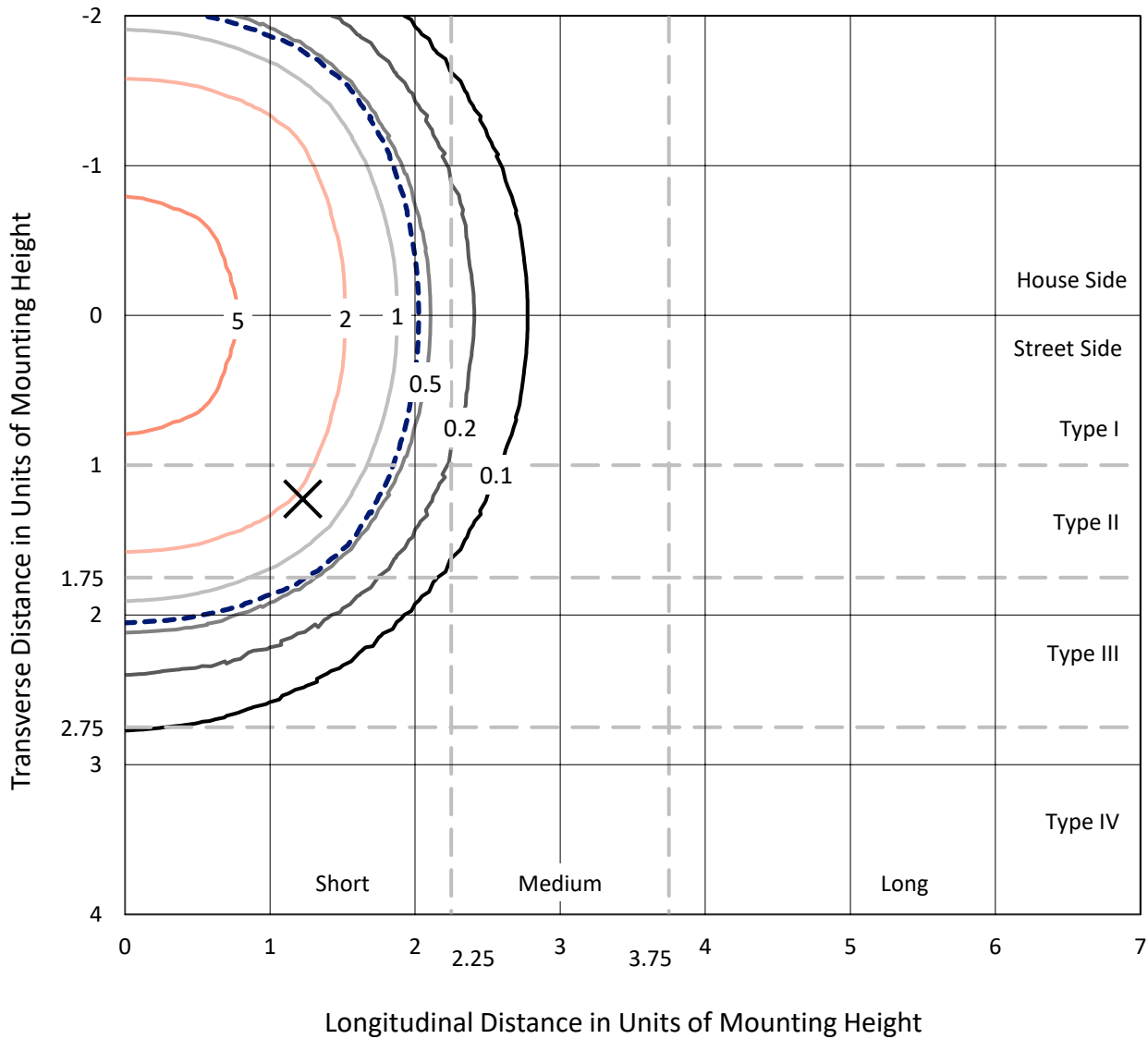
Input Watts (W): 202.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

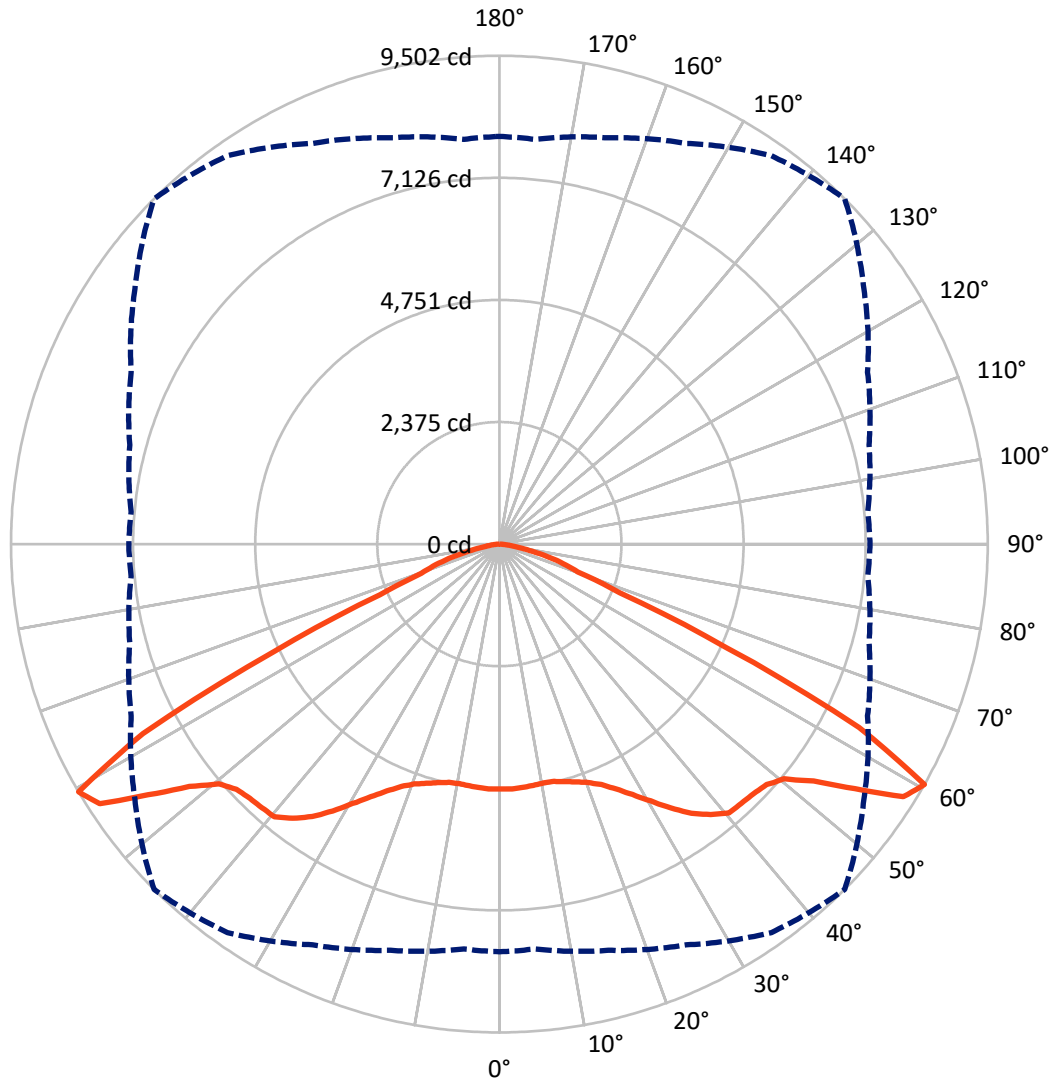
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13037.7	0.0	13037.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13037.7	0.0	13037.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	26075.3	0.0	26075.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.9	1.7
10°-20°	1359.3	5.2
20°-30°	2404.8	9.2
30°-40°	3871.8	14.8
40°-50°	5321.7	20.4
50°-60°	7091.7	27.2
60°-70°	4419.9	17.0
70°-80°	1016.4	3.9
80°-90°	137.9	0.5
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°	26075.3	100.0
0°-180°	26075.3	100.0

Coefficient of Utilization



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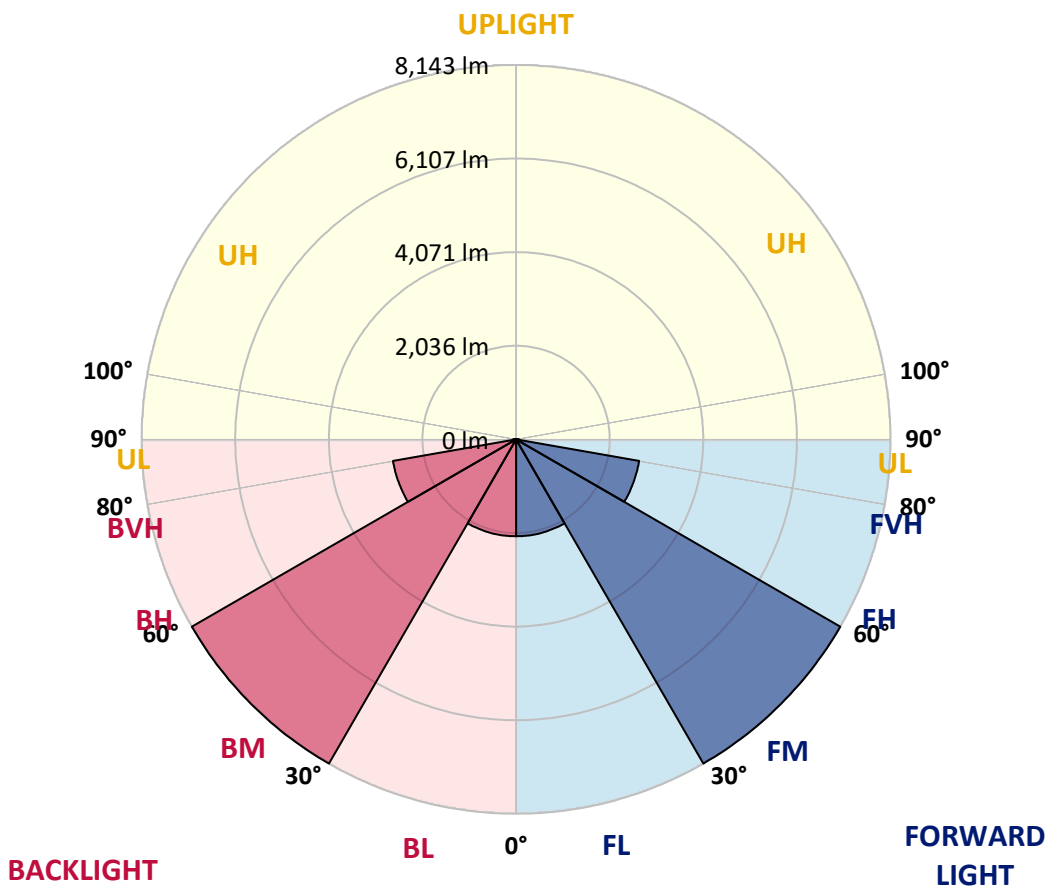
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2108.0	8.1			
FM (30°-60°)	8142.6	31.2			
FH (60°-80°)	2718.1	10.4			G2/5000
FVH (80°-90°)	68.9	0.3			G1/100
BL (0°-30°)	2108.0	8.1	B3/2500		
BM (30°-60°)	8142.6	31.2	B4/8500		
BH (60°-80°)	2718.1	10.4	B4/5000		G2/5000
BVH (80°-90°)	68.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4765.2	4765.2	4765.2	4765.2	4765.2	4765.2	4765.2	4765.2	4765.2	4765.2	4765.2
2.5°	4732.0	4736.5	4745.3	4751.9	4760.8	4769.7	4774.1	4765.2	4760.8	4743.1	4763.0
5°	4736.5	4740.9	4747.5	4747.5	4749.7	4756.4	4756.4	4745.3	4734.2	4714.3	4736.5
7.5°	4729.8	4734.2	4736.5	4734.2	4736.5	4738.7	4734.2	4721.0	4709.9	4692.2	4709.9
10°	4718.7	4723.2	4727.6	4723.2	4718.7	4725.4	4725.4	4716.5	4709.9	4692.2	4712.1
12.5°	4743.1	4749.7	4751.9	4740.9	4736.5	4738.7	4738.7	4729.8	4729.8	4714.3	4736.5
15°	4800.6	4805.1	4798.4	4785.1	4787.4	4794.0	4778.5	4756.4	4751.9	4745.3	4763.0
17.5°	4844.9	4849.3	4842.7	4833.8	4849.3	4864.8	4836.0	4794.0	4780.7	4776.3	4796.2
20°	4893.6	4900.2	4891.4	4902.4	4933.4	4951.1	4915.7	4858.2	4831.6	4825.0	4849.3
22.5°	4973.3	4982.1	4982.1	5006.5	5053.0	5081.7	5037.5	4960.0	4920.2	4909.1	4933.4
25°	5099.4	5106.1	5112.7	5161.4	5236.7	5276.5	5205.7	5099.4	5044.1	5026.4	5039.7
27.5°	5274.3	5285.3	5296.4	5367.2	5460.2	5517.7	5415.9	5283.1	5214.5	5179.1	5205.7
30°	5482.3	5497.8	5524.4	5604.1	5734.6	5798.8	5668.2	5506.7	5429.2	5391.6	5427.0
32.5°	5765.6	5767.8	5787.8	5876.3	6048.9	6122.0	5958.2	5778.9	5699.2	5655.0	5674.9
35°	6102.1	6104.3	6073.3	6164.0	6349.9	6431.8	6239.3	6057.8	5991.4	5978.1	6029.0
37.5°	6447.3	6427.4	6396.4	6436.3	6624.4	6677.5	6473.9	6319.0	6290.2	6314.5	6389.8
40°	6693.0	6659.8	6597.8	6626.6	6816.9	6878.9	6662.0	6515.9	6507.1	6566.8	6657.6
42.5°	6852.4	6816.9	6743.9	6743.9	6874.5	6901.1	6732.8	6655.4	6675.3	6743.9	6830.2
45°	6929.8	6909.9	6867.9	6845.7	6918.8	6929.8	6801.5	6770.5	6808.1	6841.3	6907.7
47.5°	6989.6	6989.6	6976.3	6954.2	6987.4	6994.0	6898.8	6890.0	6938.7	6938.7	6982.9
50°	7095.8	7106.9	7124.6	7120.2	7155.6	7177.7	7106.9	7093.6	7113.5	7049.3	7071.5
52.5°	7374.7	7403.5	7454.4	7494.2	7585.0	7653.6	7527.4	7421.2	7317.2	7175.5	7179.9
55°	7874.9	7888.2	7987.8	8105.1	8257.8	8397.2	8138.3	7808.5	7582.7	7416.8	7419.0
57.5°	8297.6	8317.6	8463.6	8709.3	9052.4	9269.3	8696.0	8144.9	7826.2	7622.6	7629.2
60°	7932.4	7905.9	8182.6	8603.1	9225.0	9501.7	8656.2	7903.7	7445.5	7193.2	7210.9
62.5°	6137.5	6086.6	6394.2	6834.7	7580.5	7857.2	7078.1	6356.6	5922.8	5725.8	5697.0
65°	3736.0	3689.6	3910.9	4180.9	4685.5	4860.4	4504.1	4121.2	3742.7	3623.2	3590.0
67.5°	2034.0	2027.4	2087.1	2219.9	2441.3	2523.2	2454.5	2273.1	2175.7	2091.6	2091.6
70°	1613.5	1600.2	1589.1	1591.4	1611.3	1622.3	1624.6	1615.7	1626.8	1629.0	1620.1
72.5°	1336.8	1332.4	1310.3	1312.5	1303.6	1299.2	1314.7	1323.6	1341.3	1343.5	1343.5
75°	969.4	958.4	969.4	971.6	962.8	962.8	973.8	971.6	980.5	984.9	960.6
77.5°	551.1	551.1	566.6	584.3	597.6	597.6	608.7	608.7	619.7	617.5	613.1
80°	303.2	303.2	312.1	323.1	336.4	349.7	360.8	363.0	369.6	367.4	360.8
82.5°	172.6	174.9	179.3	185.9	199.2	210.3	221.3	223.5	230.2	230.2	223.5
85°	81.9	79.7	81.9	86.3	93.0	101.8	112.9	119.5	123.9	123.9	119.5
87.5°	15.5	17.7	15.5	17.7	19.9	26.6	31.0	35.4	42.1	44.3	39.8
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)