

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: P640825

Luminaire Tested: GWS-SA5E-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640825
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-SA5E-760-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31986.9 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

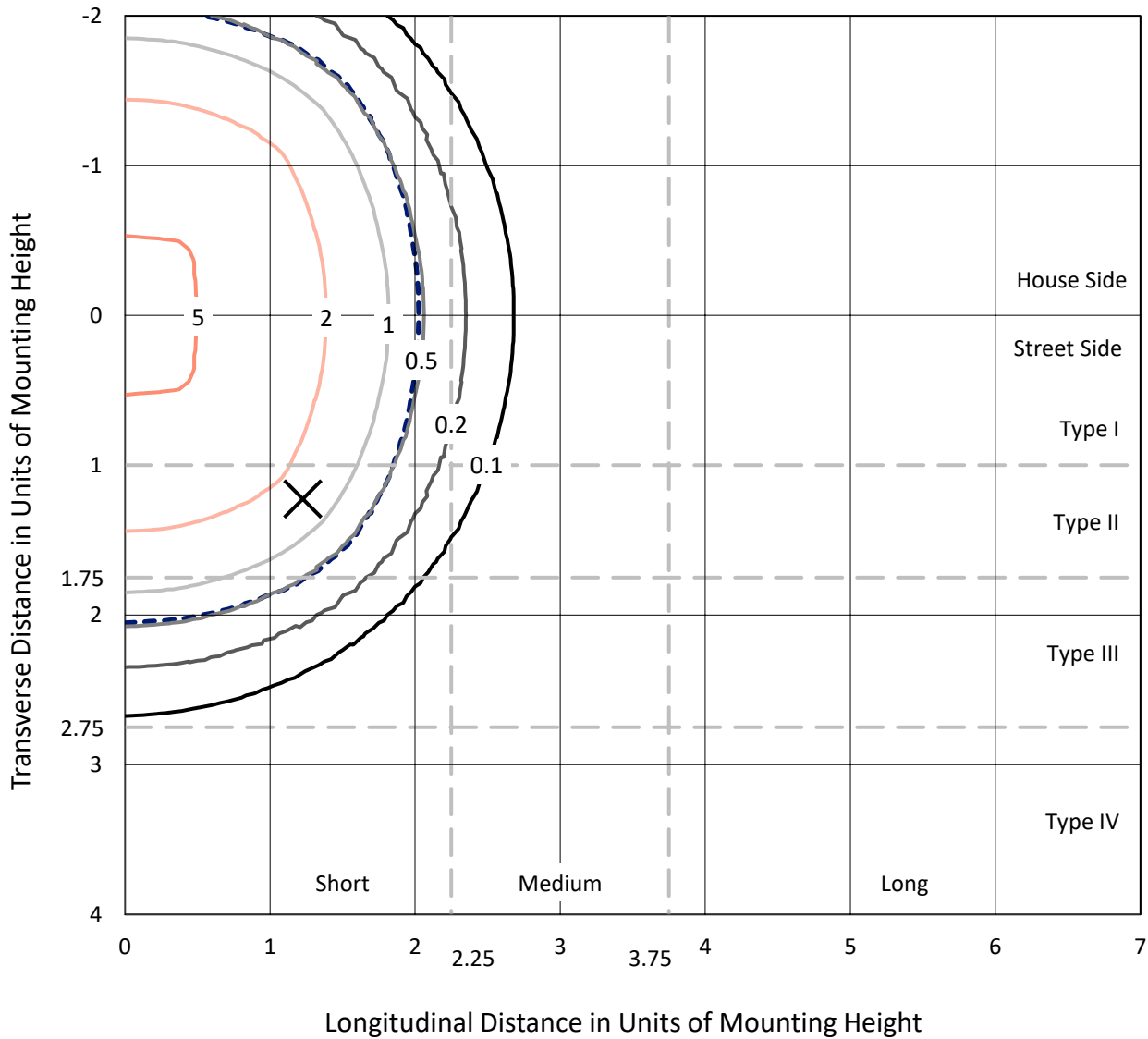
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

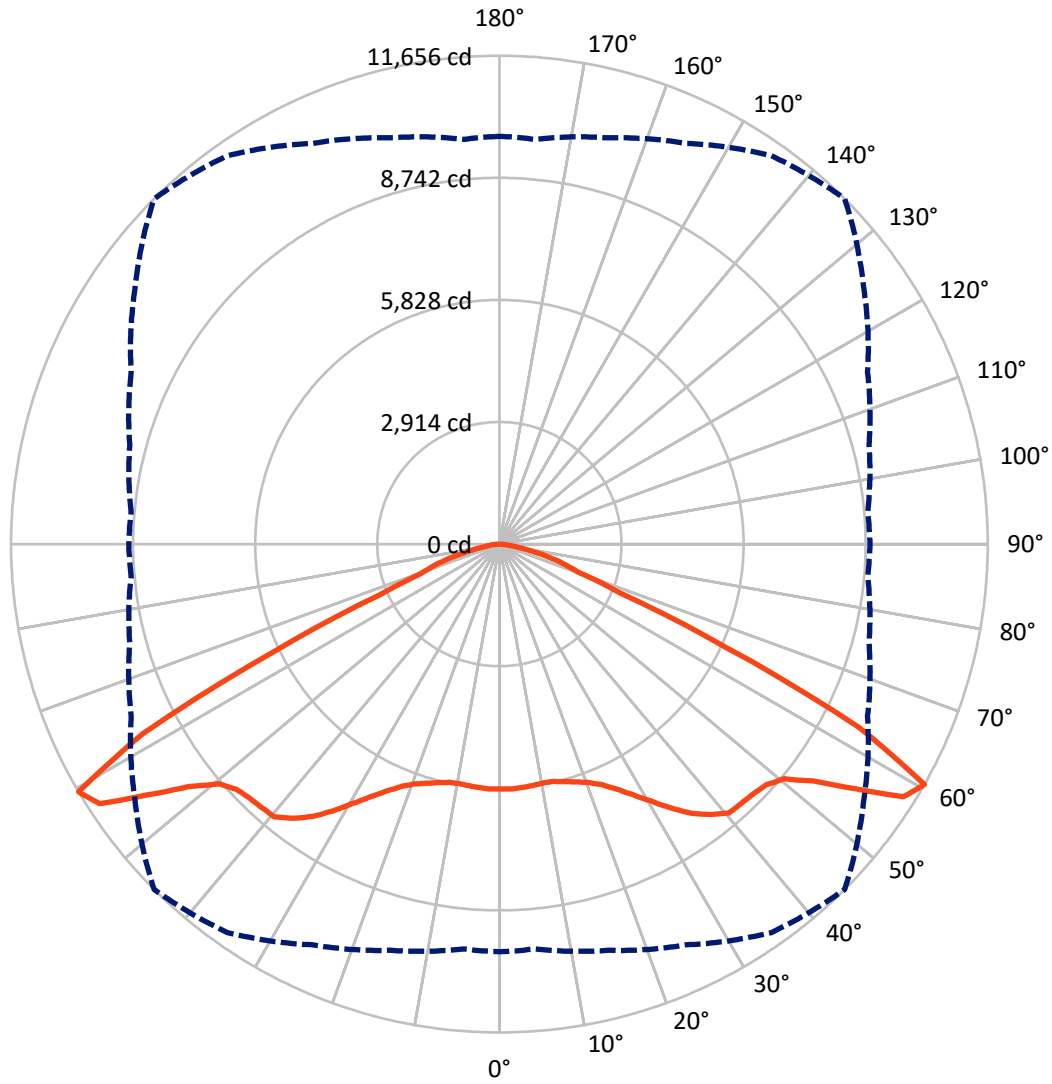
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.5 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	15993.4	0.0	15993.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15993.4	0.0	15993.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	31986.9	0.0	31986.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.4	1.7
10°-20°	1667.5	5.2
20°-30°	2950.0	9.2
30°-40°	4749.6	14.8
40°-50°	6528.2	20.4
50°-60°	8699.5	27.2
60°-70°	5421.9	17.0
70°-80°	1246.8	3.9
80°-90°	169.1	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°	31986.9	100.0
0°-180°	31986.9	100.0

Coefficient of Utilization



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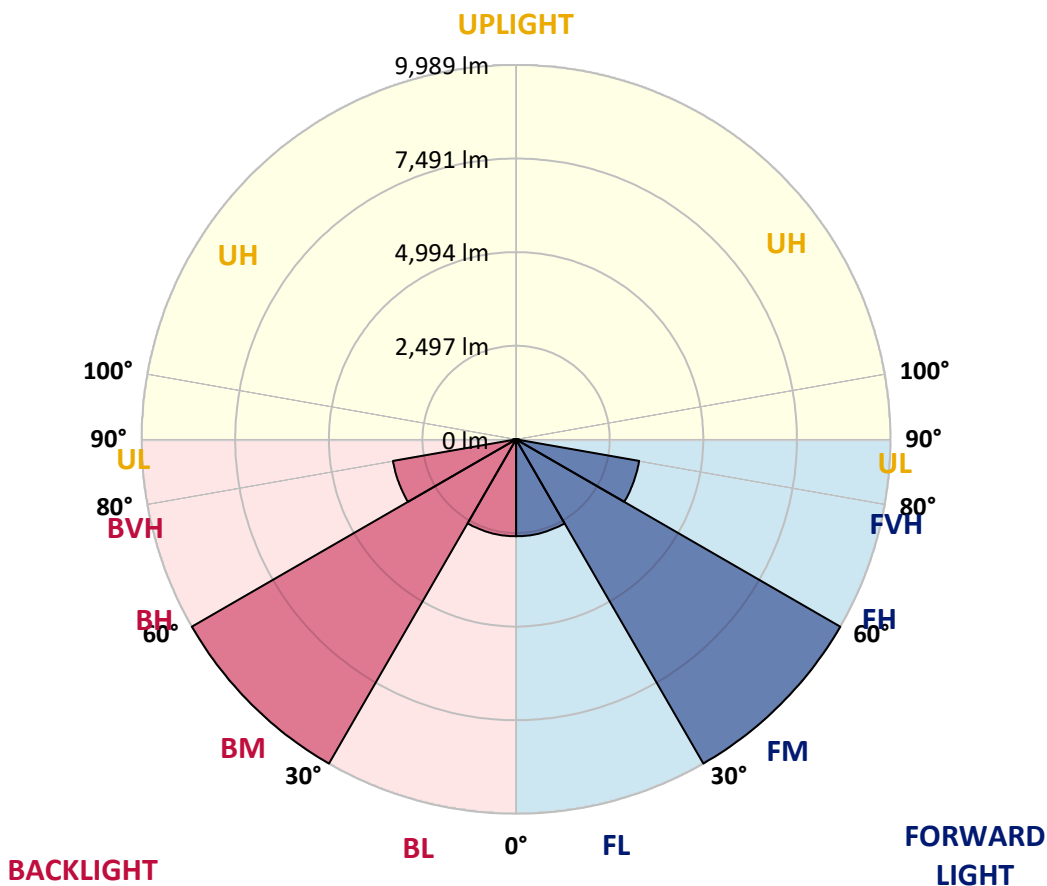
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2585.9	8.1			
FM (30°-60°)	9988.6	31.2			
FH (60°-80°)	3334.3	10.4			G2/5000
FVH (80°-90°)	84.6	0.3			G1/100
BL (0°-30°)	2585.9	8.1	B4/5000		
BM (30°-60°)	9988.6	31.2	B5		
BH (60°-80°)	3334.3	10.4	B4/5000		G2/5000
BVH (80°-90°)	84.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5845.6	5845.6	5845.6	5845.6	5845.6	5845.6	5845.6	5845.6	5845.6	5845.6	5845.6
2.5°	5804.8	5810.3	5821.1	5829.3	5840.1	5851.0	5856.4	5845.6	5840.1	5818.4	5842.8
5°	5810.3	5815.7	5823.8	5823.8	5826.6	5834.7	5834.7	5821.1	5807.5	5783.1	5810.3
7.5°	5802.1	5807.5	5810.3	5807.5	5810.3	5813.0	5807.5	5791.3	5777.7	5756.0	5777.7
10°	5788.5	5794.0	5799.4	5794.0	5788.5	5796.7	5796.7	5785.8	5777.7	5756.0	5780.4
12.5°	5818.4	5826.6	5829.3	5815.7	5810.3	5813.0	5813.0	5802.1	5802.1	5783.1	5810.3
15°	5889.0	5894.4	5886.3	5870.0	5872.7	5880.9	5861.9	5834.7	5829.3	5821.1	5842.8
17.5°	5943.3	5948.7	5940.6	5929.7	5948.7	5967.7	5932.4	5880.9	5864.6	5859.1	5883.6
20°	6003.0	6011.2	6000.3	6013.9	6051.9	6073.6	6030.2	5959.6	5927.0	5918.9	5948.7
22.5°	6100.8	6111.6	6111.6	6141.5	6198.5	6233.8	6179.5	6084.5	6035.6	6022.0	6051.9
25°	6255.5	6263.7	6271.8	6331.6	6423.9	6472.7	6385.9	6255.5	6187.7	6165.9	6182.2
27.5°	6470.0	6483.6	6497.2	6584.1	6698.1	6768.7	6643.8	6480.9	6396.7	6353.3	6385.9
30°	6725.2	6744.3	6776.8	6874.6	7034.8	7113.5	6953.3	6755.1	6660.1	6613.9	6657.4
32.5°	7072.8	7075.5	7099.9	7208.5	7420.3	7509.9	7309.0	7089.1	6991.3	6937.0	6961.5
35°	7485.5	7488.2	7450.2	7561.5	7789.6	7890.0	7653.8	7431.2	7349.7	7333.4	7395.9
37.5°	7909.0	7884.6	7846.6	7895.4	8126.2	8191.4	7941.6	7751.5	7716.2	7746.1	7838.4
40°	8210.4	8169.7	8093.6	8128.9	8362.4	8438.5	8172.4	7993.2	7982.3	8055.6	8167.0
42.5°	8405.9	8362.4	8272.8	8272.8	8433.0	8465.6	8259.3	8164.2	8188.7	8272.8	8378.7
45°	8500.9	8476.5	8424.9	8397.7	8487.3	8500.9	8343.4	8305.4	8351.6	8392.3	8473.8
47.5°	8574.2	8574.2	8557.9	8530.8	8571.5	8579.6	8462.9	8452.0	8511.8	8511.8	8566.1
50°	8704.5	8718.1	8739.8	8734.4	8777.8	8805.0	8718.1	8701.8	8726.3	8647.5	8674.7
52.5°	9046.6	9081.9	9144.4	9193.2	9304.6	9388.7	9234.0	9103.7	8976.0	8802.3	8807.7
55°	9660.2	9676.5	9798.7	9942.6	10130.0	10301.0	9983.3	9578.8	9301.9	9098.2	9100.9
57.5°	10178.8	10203.3	10382.5	10683.8	11104.7	11370.7	10667.5	9991.5	9600.5	9350.7	9358.9
60°	9730.8	9698.3	10037.6	10553.5	11316.4	11655.8	10618.7	9695.5	9133.5	8824.0	8845.7
62.5°	7528.9	7466.5	7843.9	8384.2	9299.1	9638.5	8682.8	7797.7	7265.5	7023.9	6988.6
65°	4583.0	4526.0	4797.5	5128.8	5747.8	5962.3	5525.2	5055.5	4591.2	4444.6	4403.9
67.5°	2495.2	2487.0	2560.3	2723.2	2994.7	3095.2	3011.0	2788.4	2668.9	2565.7	2565.7
70°	1979.3	1963.0	1949.4	1952.1	1976.6	1990.2	1992.9	1982.0	1995.6	1998.3	1987.4
72.5°	1639.9	1634.5	1607.3	1610.0	1599.2	1593.8	1612.8	1623.6	1645.3	1648.1	1648.1
75°	1189.2	1175.6	1189.2	1191.9	1181.1	1181.1	1194.6	1191.9	1202.8	1208.2	1178.3
77.5°	676.1	676.1	695.1	716.8	733.1	733.1	746.6	746.6	760.2	757.5	752.1
80°	372.0	372.0	382.8	396.4	412.7	429.0	442.6	445.3	453.4	450.7	442.6
82.5°	211.8	214.5	219.9	228.1	244.4	257.9	271.5	274.2	282.4	282.4	274.2
85°	100.5	97.7	100.5	105.9	114.0	124.9	138.5	146.6	152.0	152.0	146.6
87.5°	19.0	21.7	19.0	21.7	24.4	32.6	38.0	43.4	51.6	54.3	48.9
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)