

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: P640819

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 33162.5 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

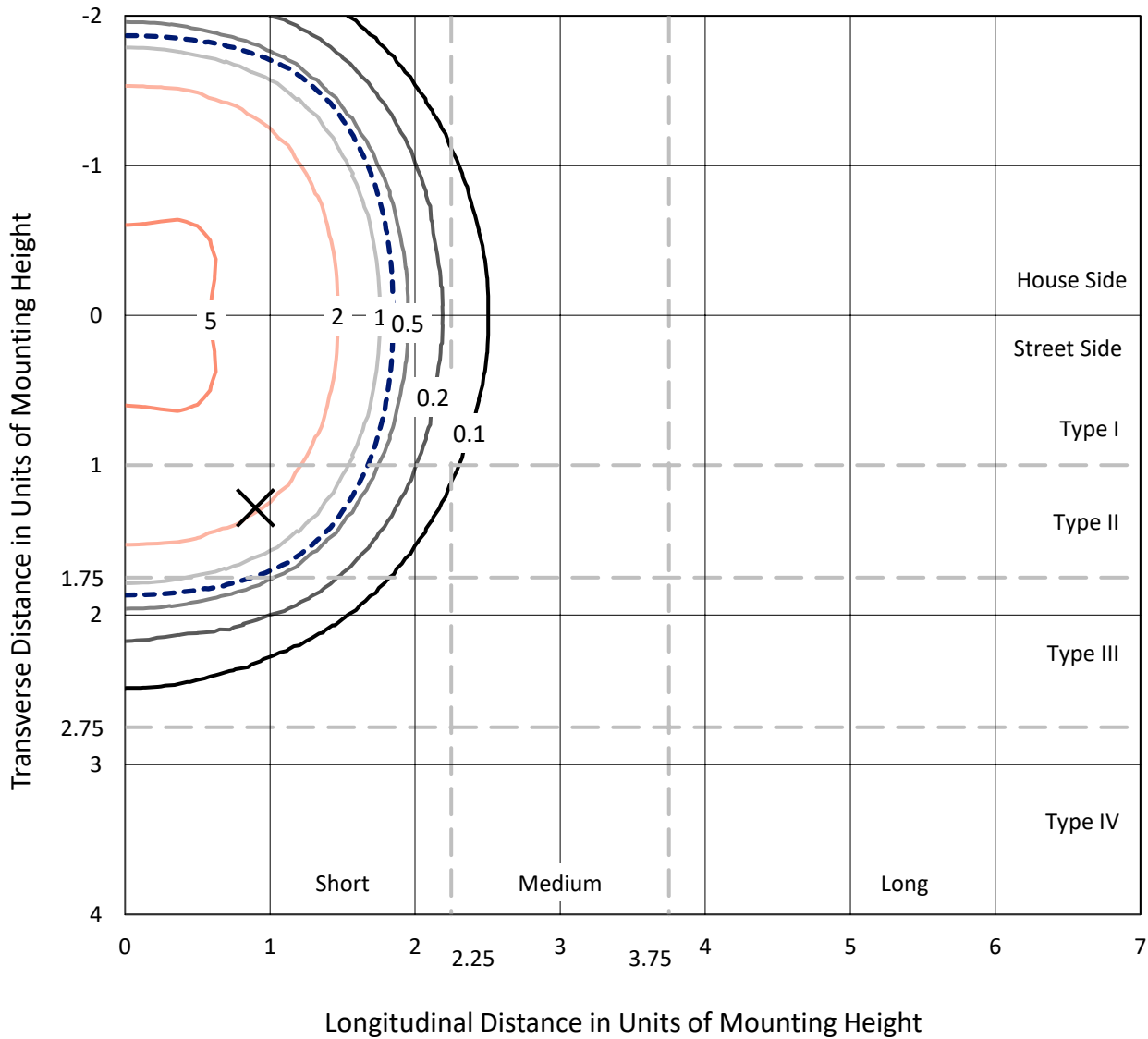
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

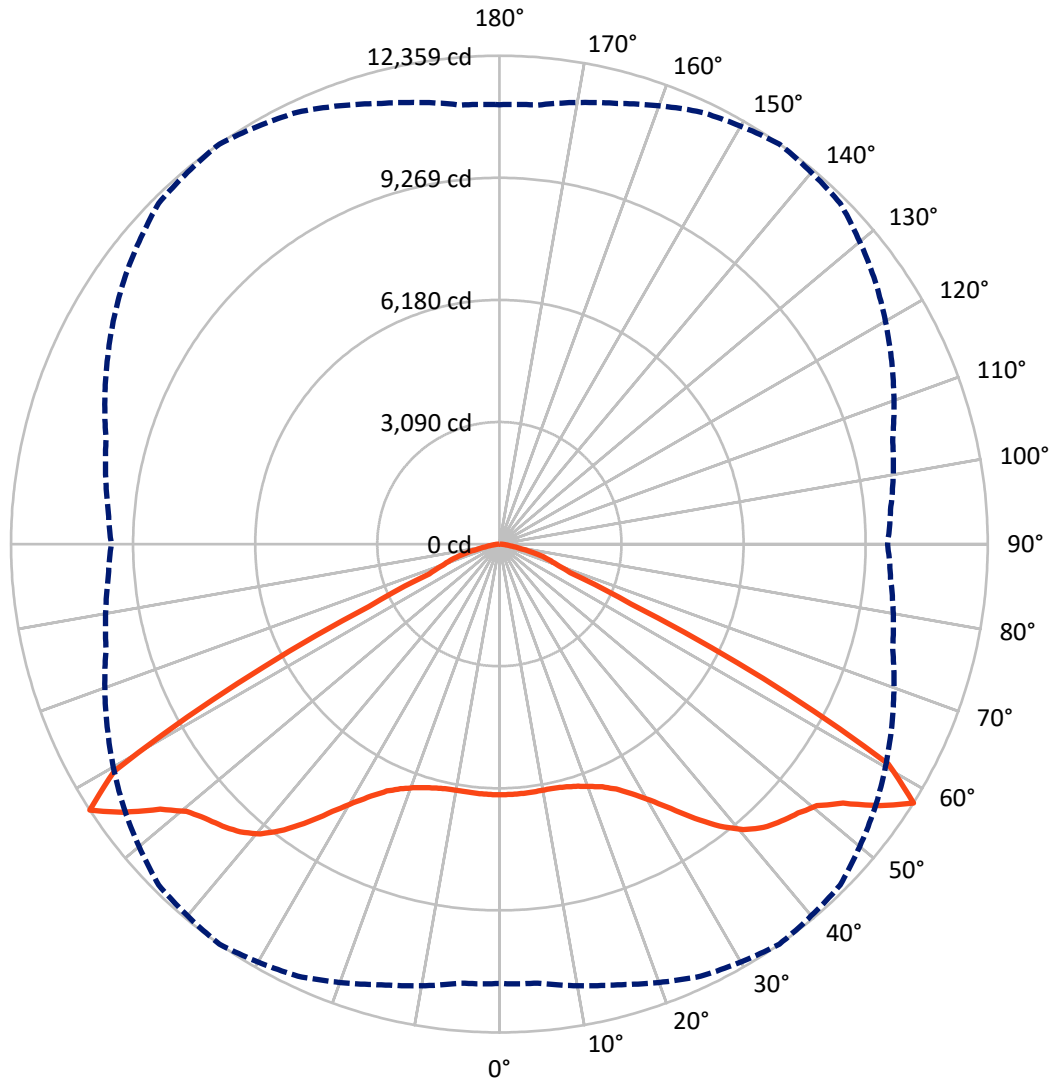
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16581.2	0.0	16581.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16581.2	0.0	16581.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	33162.5	0.0	33162.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.6	1.8
10°-20°	1801.0	5.4
20°-30°	3142.4	9.5
30°-40°	5152.8	15.5
40°-50°	7588.8	22.9
50°-60°	9684.7	29.2
60°-70°	4081.5	12.3
70°-80°	975.0	2.9
80°-90°	132.7	0.4
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°	33162.5	100.0
0°-180°	33162.5	100.0

Coefficient of Utilization



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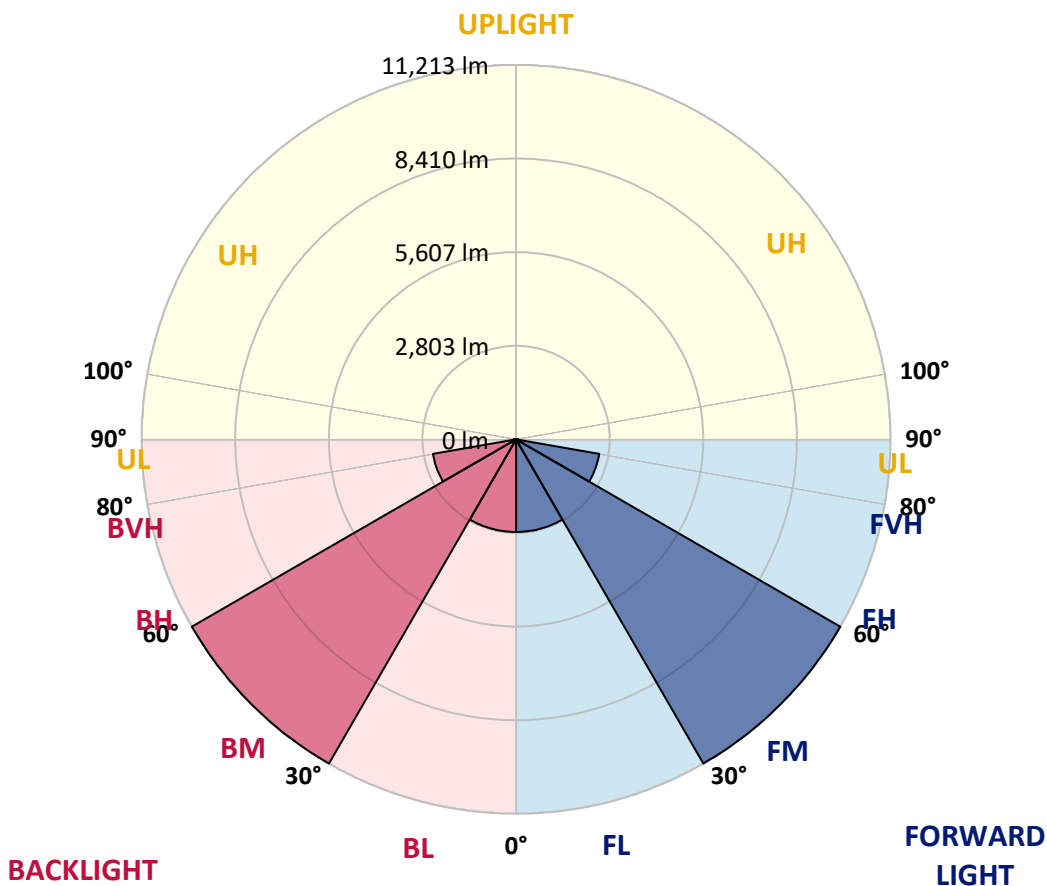
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2773.5	8.4			
FM (30°-60°)	11213.1	33.8			
FH (60°-80°)	2528.3	7.6			G2/5000
FVH (80°-90°)	66.4	0.2			G1/100
BL (0°-30°)	2773.5	8.4	B4/5000		
BM (30°-60°)	11213.1	33.8	B5		
BH (60°-80°)	2528.3	7.6	B4/5000		G2/5000
BVH (80°-90°)	66.4	0.2			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°	6345.3	6345.3	6345.3	6345.3	6345.3	6345.3	6345.3	6345.3	6345.3	6345.3	6345.3
2.5°	6307.3	6307.3	6320.8	6334.4	6339.8	6364.3	6361.6	6353.4	6348.0	6331.7	6353.4
5°	6320.8	6320.8	6331.7	6339.8	6337.1	6356.1	6348.0	6334.4	6326.3	6310.0	6334.4
7.5°	6318.1	6318.1	6326.3	6334.4	6329.0	6345.3	6331.7	6312.7	6299.1	6282.8	6304.5
10°	6282.8	6288.2	6296.4	6315.4	6323.5	6348.0	6329.0	6299.1	6277.4	6258.4	6280.1
12.5°	6277.4	6282.8	6293.7	6318.1	6331.7	6367.0	6342.5	6293.7	6261.1	6236.7	6258.4
15°	6301.8	6307.3	6323.5	6353.4	6375.1	6413.1	6377.8	6310.0	6263.8	6231.2	6250.2
17.5°	6331.7	6339.8	6364.3	6407.7	6443.0	6483.7	6440.3	6358.8	6293.7	6250.2	6266.5
20°	6364.3	6375.1	6413.1	6478.3	6543.5	6595.1	6540.8	6432.1	6353.4	6296.4	6312.7
22.5°	6421.3	6434.9	6483.7	6576.1	6673.8	6749.8	6681.9	6535.3	6432.1	6358.8	6372.4
25°	6538.0	6554.3	6616.8	6728.1	6866.6	6958.9	6863.9	6698.2	6554.3	6464.7	6478.3
27.5°	6744.4	6752.5	6834.0	6980.6	7151.7	7257.5	7143.5	6948.0	6787.8	6684.7	6695.5
30°	7015.9	7040.3	7121.8	7314.6	7518.2	7659.4	7510.1	7279.3	7094.6	6969.7	6980.6
32.5°	7347.1	7363.4	7485.6	7686.5	7979.8	8142.7	7939.0	7664.8	7442.2	7290.1	7301.0
35°	7781.6	7795.1	7911.9	8167.1	8522.8	8674.8	8441.3	8126.4	7868.5	7724.6	7765.3
37.5°	8300.2	8324.6	8408.8	8661.3	9057.7	9207.0	8938.2	8645.0	8376.2	8243.1	8273.0
40°	8856.8	8854.0	8921.9	9144.6	9505.7	9598.0	9356.3	9122.8	8892.1	8805.2	8854.0
42.5°	9334.6	9321.1	9369.9	9554.6	9804.3	9812.5	9652.3	9522.0	9359.1	9299.3	9345.5
45°	9668.6	9674.0	9747.3	9874.9	10002.5	9934.7	9885.8	9864.1	9736.5	9655.0	9663.2
47.5°	9932.0	9953.7	10070.4	10157.3	10173.6	10059.6	10127.4	10160.0	10054.1	9929.2	9893.9
50°	10165.5	10200.8	10352.8	10445.1	10409.8	10265.9	10399.0	10447.8	10214.3	9975.4	9904.8
52.5°	10589.0	10629.7	10814.4	10933.8	10893.1	10749.2	10874.1	10700.3	10306.6	10013.4	9923.8
55°	11265.1	11284.1	11509.4	11704.9	11685.9	11509.4	11409.0	11023.4	10545.6	10241.5	10157.3
57.5°	11121.2	11153.8	11544.7	12066.0	12359.3	12199.1	11609.9	10952.8	10303.9	9937.4	9823.3
60°	8750.9	8829.6	9315.6	10233.3	11308.5	11305.8	10211.6	9190.7	8408.8	7922.8	7873.9
62.5°	5109.9	5164.2	5606.7	6535.3	7499.2	7558.9	6790.5	6090.0	5405.8	5077.3	4919.8
65°	2419.2	2416.5	2593.0	3011.1	3662.7	3714.3	3483.5	3100.7	2696.1	2584.8	2554.9
67.5°	1786.6	1786.6	1773.0	1802.8	1927.7	1954.9	1927.7	1865.3	1827.3	1851.7	1835.4
70°	1550.3	1553.1	1536.8	1528.6	1528.6	1520.5	1531.3	1555.8	1572.1	1604.6	1588.4
72.5°	1257.1	1259.8	1259.8	1262.5	1265.3	1254.4	1270.7	1284.3	1287.0	1297.8	1287.0
75°	893.3	898.7	915.0	928.6	939.4	939.4	944.9	947.6	936.7	950.3	928.6
77.5°	491.4	496.9	526.7	551.2	575.6	578.3	586.5	591.9	586.5	597.3	581.0
80°	271.5	276.9	290.5	301.4	320.4	336.7	347.5	353.0	353.0	361.1	353.0
82.5°	154.8	160.2	168.3	173.8	190.1	203.6	214.5	222.6	222.6	225.4	219.9
85°	73.3	73.3	78.7	84.2	92.3	97.7	111.3	119.5	119.5	124.9	119.5
87.5°	10.9	13.6	16.3	16.3	21.7	27.2	32.6	35.3	40.7	43.4	43.4
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)