

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: P639829

Luminaire Tested: GWS-SA5C-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639829
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-SA5C-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: 21035.4 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 157.5
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

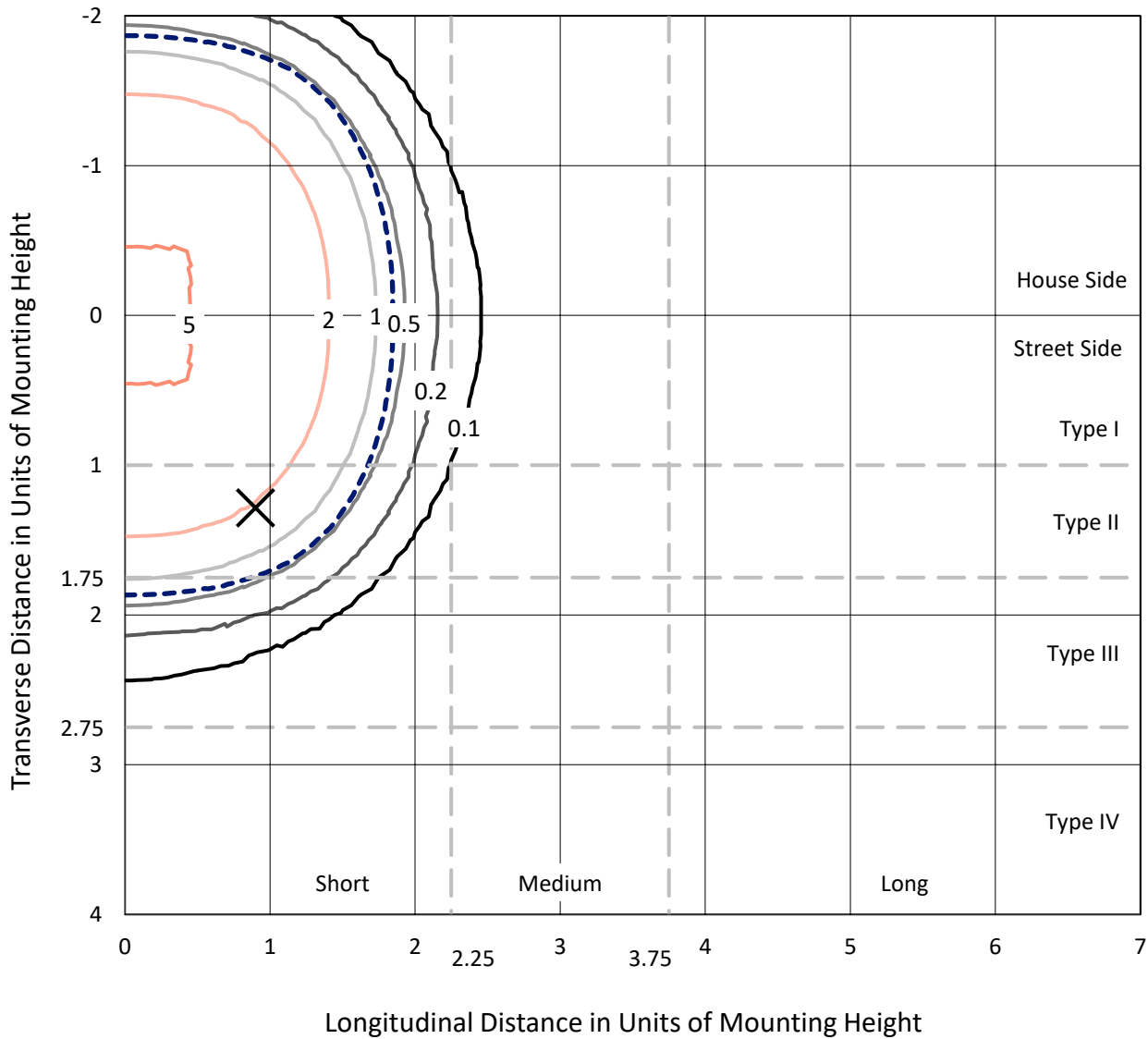


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Iso-Footcandle Lines of Horizontal Illumination

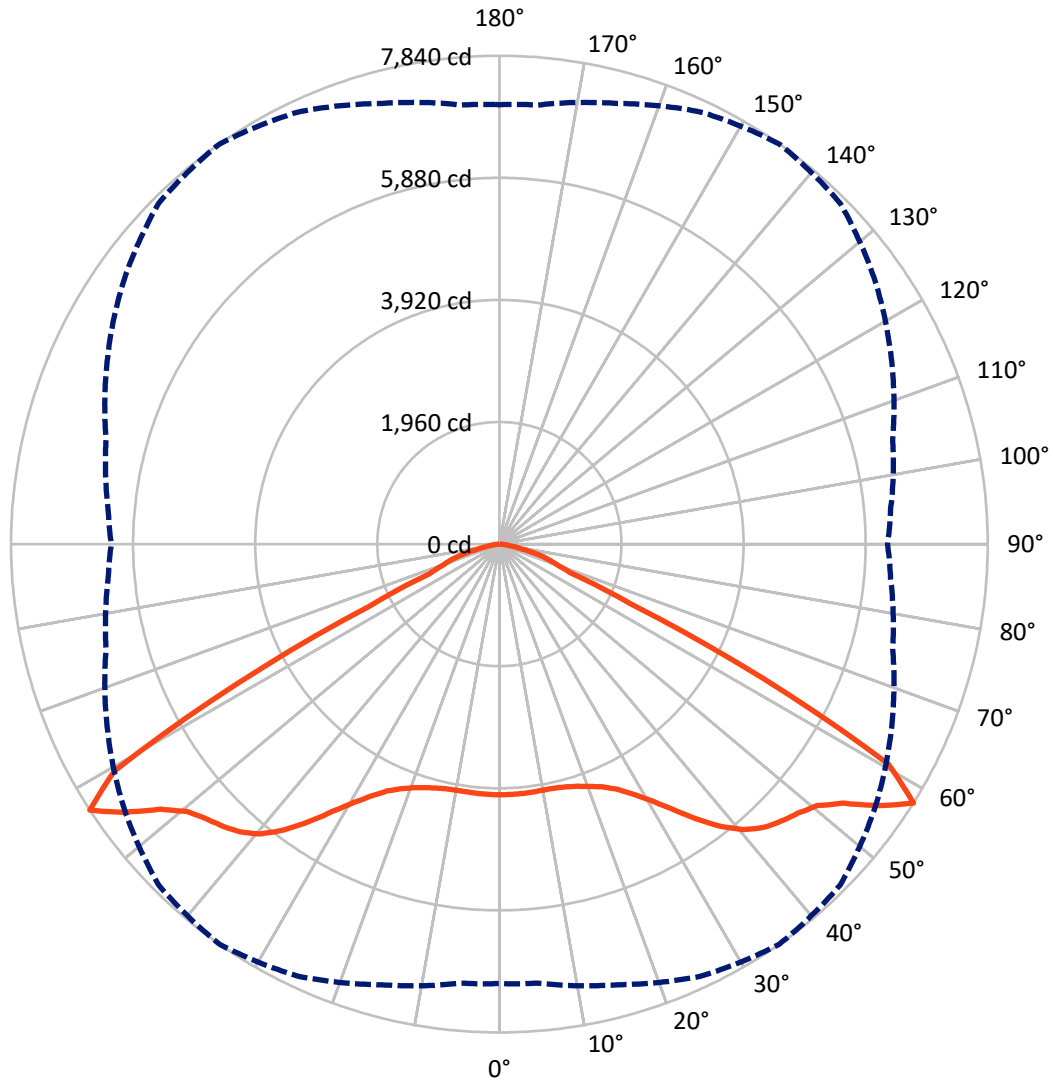
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	10517.7	0.0	10517.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10517.7	0.0	10517.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	21035.4	0.0	21035.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.9	1.8
10°-20°	1142.4	5.4
20°-30°	1993.2	9.5
30°-40°	3268.5	15.5
40°-50°	4813.7	22.9
50°-60°	6143.1	29.2
60°-70°	2589.0	12.3
70°-80°	618.4	2.9
80°-90°	84.2	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°	21035.4	100.0
0°-180°	21035.4	100.0

Coefficient of Utilization



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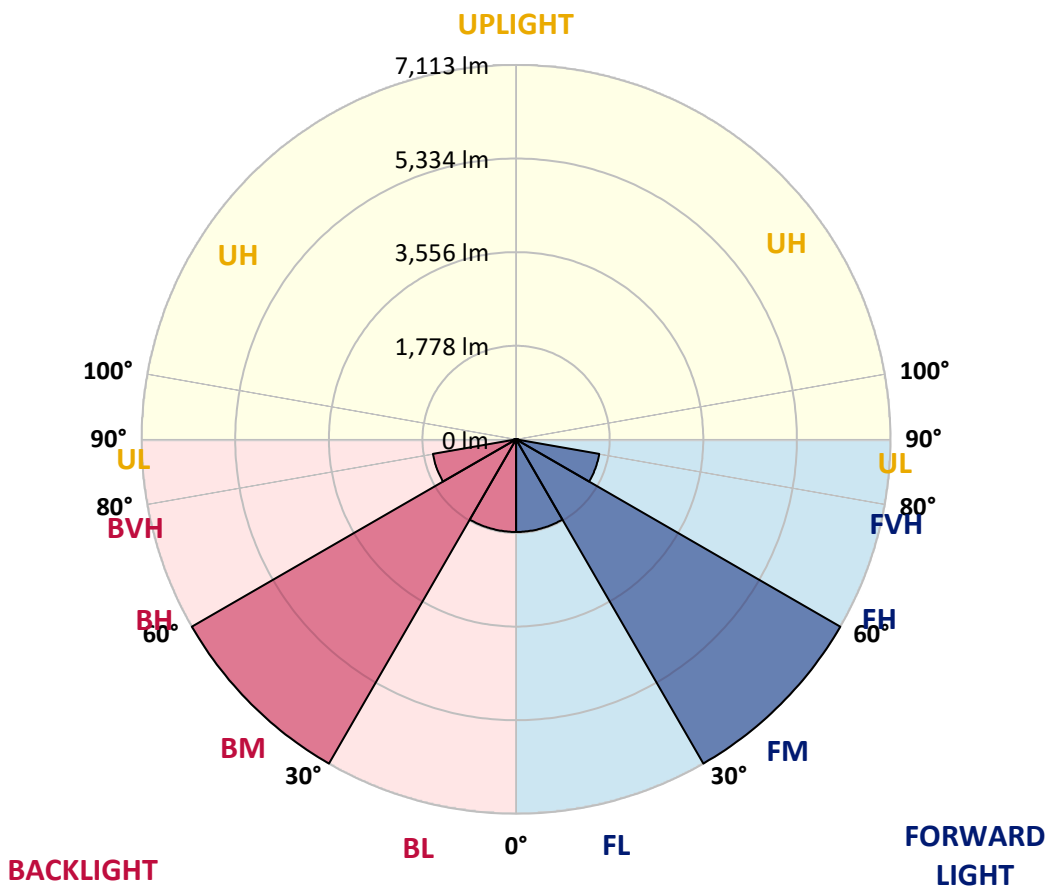
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1759.3	8.4			
FM (30°-60°)	7112.6	33.8			
FH (60°-80°)	1603.7	7.6			G1/1800
FVH (80°-90°)	42.1	0.2			G1/100
BL (0°-30°)	1759.3	8.4	B3/2500		
BM (30°-60°)	7112.6	33.8	B4/8500		
BH (60°-80°)	1603.7	7.6	B3/2500		G1/1800
BVH (80°-90°)	42.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9
2.5°	4000.8	4000.8	4009.4	4018.0	4021.4	4036.9	4035.2	4030.0	4026.6	4016.3	4030.0
5°	4009.4	4009.4	4016.3	4021.4	4019.7	4031.8	4026.6	4018.0	4012.8	4002.5	4018.0
7.5°	4007.7	4007.7	4012.8	4018.0	4014.5	4024.9	4016.3	4004.2	3995.6	3985.3	3999.0
10°	3985.3	3988.7	3993.9	4005.9	4011.1	4026.6	4014.5	3995.6	3981.8	3969.8	3983.5
12.5°	3981.8	3985.3	3992.2	4007.7	4016.3	4038.7	4023.2	3992.2	3971.5	3956.0	3969.8
15°	3997.3	4000.8	4011.1	4030.0	4043.8	4067.9	4045.5	4002.5	3973.2	3952.5	3964.6
17.5°	4016.3	4021.4	4036.9	4064.5	4086.9	4112.7	4085.2	4033.5	3992.2	3964.6	3974.9
20°	4036.9	4043.8	4067.9	4109.3	4150.6	4183.3	4148.9	4080.0	4030.0	3993.9	4004.2
22.5°	4073.1	4081.7	4112.7	4171.3	4233.3	4281.5	4238.4	4145.4	4080.0	4033.5	4042.1
25°	4147.2	4157.5	4197.1	4267.7	4355.6	4414.1	4353.8	4248.8	4157.5	4100.7	4109.3
27.5°	4278.1	4283.2	4334.9	4427.9	4536.4	4603.6	4531.2	4407.2	4305.6	4240.2	4247.1
30°	4450.3	4465.8	4517.4	4639.7	4768.9	4858.4	4763.7	4617.3	4500.2	4421.0	4427.9
32.5°	4660.4	4670.7	4748.2	4875.7	5061.7	5165.0	5035.8	4861.9	4720.7	4624.2	4631.1
35°	4935.9	4944.6	5018.6	5180.5	5406.1	5502.6	5354.5	5154.7	4991.1	4899.8	4925.6
37.5°	5264.9	5280.4	5333.8	5494.0	5745.4	5840.1	5669.6	5483.6	5313.1	5228.7	5247.7
40°	5618.0	5616.2	5659.3	5800.5	6029.6	6088.1	5934.9	5786.7	5640.3	5585.2	5616.2
42.5°	5921.1	5912.5	5943.5	6060.6	6219.0	6224.2	6122.6	6039.9	5936.6	5898.7	5928.0
45°	6132.9	6136.4	6182.9	6263.8	6344.7	6301.7	6270.7	6256.9	6176.0	6124.3	6129.5
47.5°	6300.0	6313.7	6387.8	6442.9	6453.2	6380.9	6424.0	6444.6	6377.5	6298.2	6275.9
50°	6448.1	6470.5	6566.9	6625.5	6603.1	6511.8	6596.2	6627.2	6479.1	6327.5	6282.7
52.5°	6716.7	6742.6	6859.7	6935.5	6909.6	6818.4	6897.6	6787.4	6537.6	6351.6	6294.8
55°	7145.6	7157.6	7300.6	7424.6	7412.5	7300.6	7236.9	6992.3	6689.2	6496.3	6442.9
57.5°	7054.3	7075.0	7323.0	7653.7	7839.7	7738.0	7364.3	6947.5	6535.9	6303.4	6231.1
60°	5550.8	5600.7	5909.0	6491.1	7173.1	7171.4	6477.4	5829.8	5333.8	5025.5	4994.5
62.5°	3241.3	3275.7	3556.4	4145.4	4756.8	4794.7	4307.3	3863.0	3429.0	3220.6	3120.7
65°	1534.5	1532.8	1644.7	1910.0	2323.3	2356.0	2209.6	1966.8	1710.2	1639.6	1620.6
67.5°	1133.2	1133.2	1124.6	1143.6	1222.8	1240.0	1222.8	1183.2	1159.1	1174.6	1164.2
70°	983.4	985.1	974.8	969.6	969.6	964.5	971.3	986.8	997.2	1017.8	1007.5
72.5°	797.4	799.1	799.1	800.8	802.6	795.7	806.0	814.6	816.3	823.2	816.3
75°	566.6	570.1	580.4	589.0	595.9	595.9	599.3	601.1	594.2	602.8	589.0
77.5°	311.7	315.2	334.1	349.6	365.1	366.8	372.0	375.4	372.0	378.9	368.6
80°	172.2	175.7	184.3	191.2	203.2	213.6	220.4	223.9	223.9	229.1	223.9
82.5°	98.2	101.6	106.8	110.2	120.6	129.2	136.1	141.2	141.2	142.9	139.5
85°	46.5	46.5	49.9	53.4	58.6	62.0	70.6	75.8	75.8	79.2	75.8
87.5°	6.9	8.6	10.3	10.3	13.8	17.2	20.7	22.4	25.8	27.6	27.6
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)