

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: P642194

Luminaire Tested: GWS-SA6C-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642194
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-SA6C-740-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24862 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

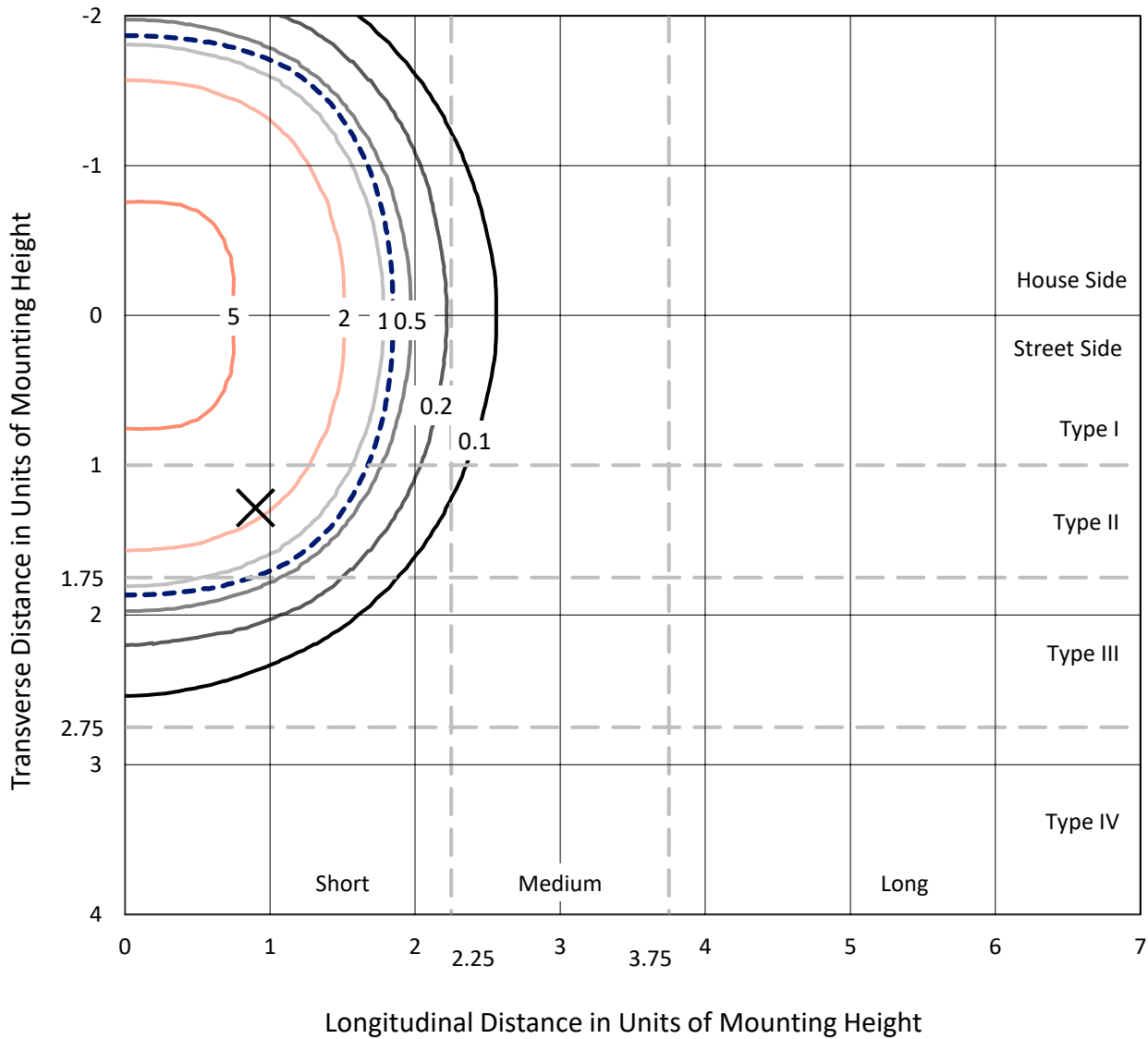
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

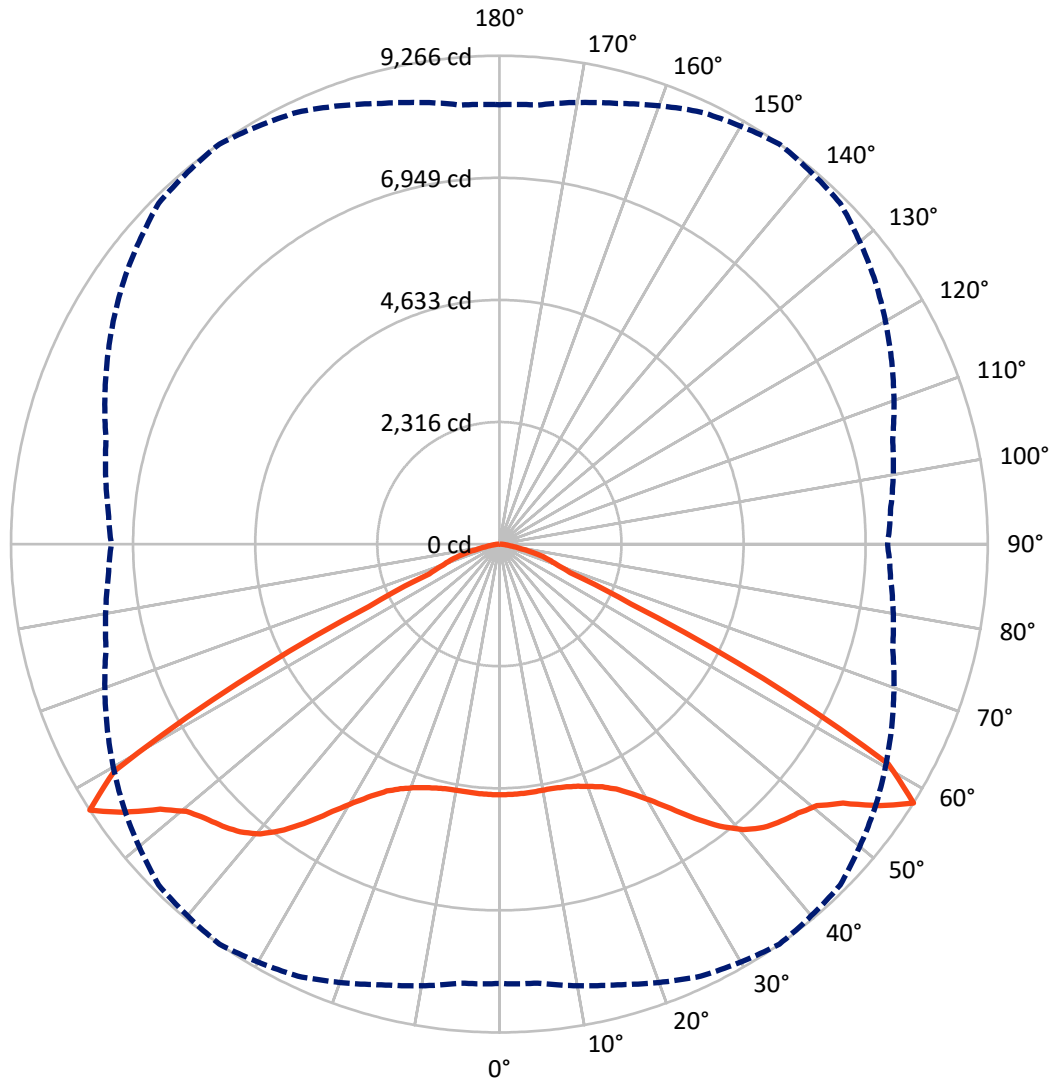
✕ Max cd
 - - - 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12431.0	0.0	12431.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12431.0	0.0	12431.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24862.0	0.0	24862.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.6	1.8
10°-20°	1350.2	5.4
20°-30°	2355.8	9.5
30°-40°	3863.0	15.5
40°-50°	5689.4	22.9
50°-60°	7260.6	29.2
60°-70°	3059.9	12.3
70°-80°	731.0	2.9
80°-90°	99.5	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°	24862.0	100.0
0°-180°	24862.0	100.0

Coefficient of Utilization



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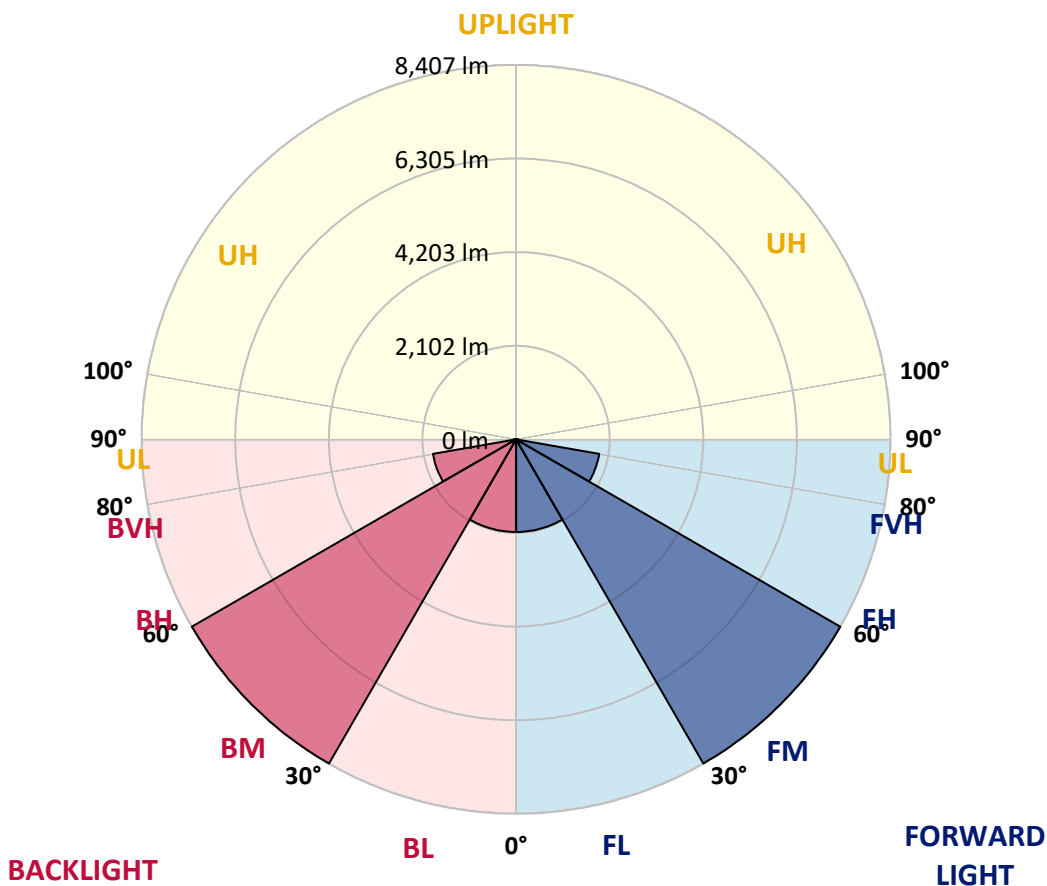
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2079.3	8.4			
FM (30°-60°)	8406.5	33.8			
FH (60°-80°)	1895.4	7.6			G2/5000
FVH (80°-90°)	49.7	0.2			G1/100
BL (0°-30°)	2079.3	8.4	B3/2500		
BM (30°-60°)	8406.5	33.8	B4/8500		
BH (60°-80°)	1895.4	7.6	B3/2500		G2/5000
BVH (80°-90°)	49.7	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1
2.5°	4728.6	4728.6	4738.7	4748.9	4753.0	4771.3	4769.3	4763.2	4759.1	4746.9	4763.2
5°	4738.7	4738.7	4746.9	4753.0	4751.0	4765.2	4759.1	4748.9	4742.8	4730.6	4748.9
7.5°	4736.7	4736.7	4742.8	4748.9	4744.8	4757.1	4746.9	4732.6	4722.5	4710.2	4726.5
10°	4710.2	4714.3	4720.4	4734.7	4740.8	4759.1	4744.8	4722.5	4706.2	4691.9	4708.2
12.5°	4706.2	4710.2	4718.4	4736.7	4746.9	4773.3	4755.0	4718.4	4694.0	4675.6	4691.9
15°	4724.5	4728.6	4740.8	4763.2	4779.5	4807.9	4781.5	4730.6	4696.0	4671.6	4685.8
17.5°	4746.9	4753.0	4771.3	4803.9	4830.3	4860.9	4828.3	4767.2	4718.4	4685.8	4698.0
20°	4771.3	4779.5	4807.9	4856.8	4905.7	4944.3	4903.6	4822.2	4763.2	4720.4	4732.6
22.5°	4814.1	4824.2	4860.9	4930.1	5003.4	5060.4	5009.5	4899.5	4822.2	4767.2	4777.4
25°	4901.6	4913.8	4960.6	5044.1	5147.9	5217.1	5145.8	5021.7	4913.8	4846.6	4856.8
27.5°	5056.3	5062.4	5123.5	5233.4	5361.6	5441.0	5355.5	5208.9	5088.9	5011.5	5019.6
30°	5259.8	5278.2	5339.2	5483.7	5636.4	5742.3	5630.3	5457.3	5318.9	5225.2	5233.4
32.5°	5508.2	5520.4	5612.0	5762.6	5982.5	6104.6	5951.9	5746.3	5579.4	5465.4	5473.6
35°	5833.9	5844.0	5931.6	6122.9	6389.6	6503.6	6328.5	6092.4	5899.0	5791.1	5821.6
37.5°	6222.6	6241.0	6304.1	6493.4	6790.6	6902.5	6701.0	6481.2	6279.6	6179.9	6202.3
40°	6639.9	6637.9	6688.8	6855.7	7126.4	7195.6	7014.5	6839.4	6666.4	6601.3	6637.9
42.5°	6998.2	6988.0	7024.7	7163.1	7350.3	7356.4	7236.3	7138.6	7016.5	6971.7	7006.3
45°	7248.6	7252.6	7307.6	7403.3	7498.9	7448.0	7411.4	7395.1	7299.4	7238.4	7244.5
47.5°	7446.0	7462.3	7549.8	7615.0	7627.2	7541.7	7592.6	7617.0	7537.6	7444.0	7417.5
50°	7621.1	7647.5	7761.5	7830.7	7804.3	7696.4	7796.1	7832.8	7657.7	7478.6	7425.7
52.5°	7938.6	7969.1	8107.6	8197.1	8166.6	8058.7	8152.3	8022.1	7726.9	7507.1	7439.9
55°	8445.5	8459.7	8628.7	8775.2	8761.0	8628.7	8553.3	8264.3	7906.0	7678.1	7615.0
57.5°	8337.6	8362.0	8655.1	9045.9	9265.8	9145.7	8704.0	8211.4	7724.9	7450.1	7364.6
60°	6560.5	6619.6	6983.9	7672.0	8478.0	8476.0	7655.7	6890.3	6304.1	5939.7	5903.1
62.5°	3830.9	3871.6	4203.4	4899.5	5622.2	5666.9	5090.9	4565.7	4052.8	3806.5	3688.4
65°	1813.7	1811.6	1943.9	2257.4	2745.9	2784.6	2611.6	2324.6	2021.3	1937.8	1915.4
67.5°	1339.4	1339.4	1329.2	1351.6	1445.2	1465.6	1445.2	1398.4	1369.9	1388.2	1376.0
70°	1162.3	1164.3	1152.1	1146.0	1146.0	1139.9	1148.0	1166.4	1178.6	1203.0	1190.8
72.5°	942.5	944.5	944.5	946.5	948.6	940.4	952.6	962.8	964.8	973.0	964.8
75°	669.7	673.8	686.0	696.2	704.3	704.3	708.4	710.4	702.3	712.4	696.2
77.5°	368.4	372.5	394.9	413.2	431.5	433.6	439.7	443.7	439.7	447.8	435.6
80°	203.6	207.6	217.8	225.9	240.2	252.4	260.5	264.6	264.6	270.7	264.6
82.5°	116.0	120.1	126.2	130.3	142.5	152.7	160.8	166.9	166.9	168.9	164.9
85°	55.0	55.0	59.0	63.1	69.2	73.3	83.5	89.6	89.6	93.6	89.6
87.5°	8.1	10.2	12.2	12.2	16.3	20.4	24.4	26.5	30.5	32.6	32.6
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)