

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: P642691

Luminaire Tested: GWS-SA6D-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-740-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25207 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 245.7
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

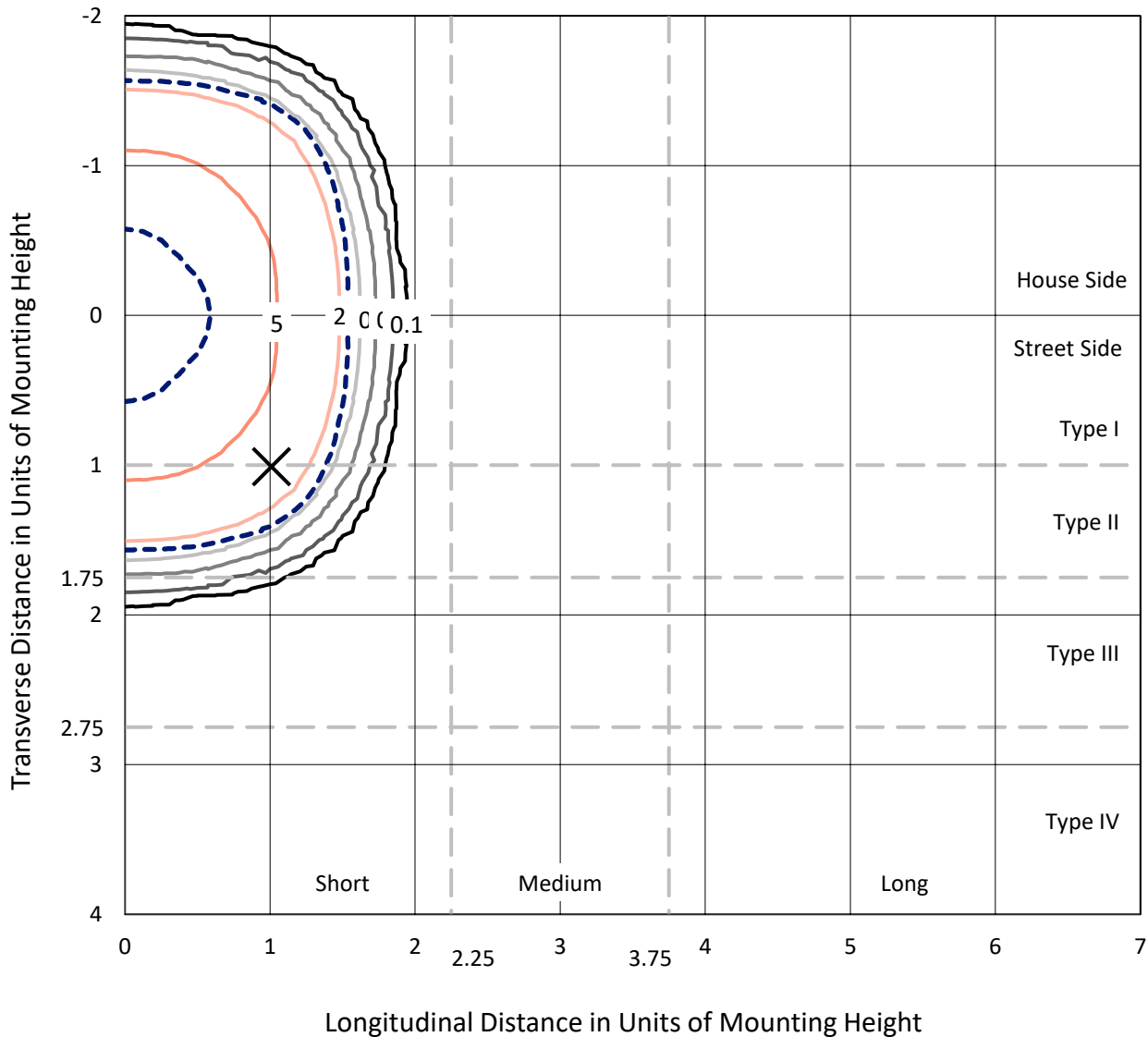


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Iso-Footcandle Lines of Horizontal Illumination

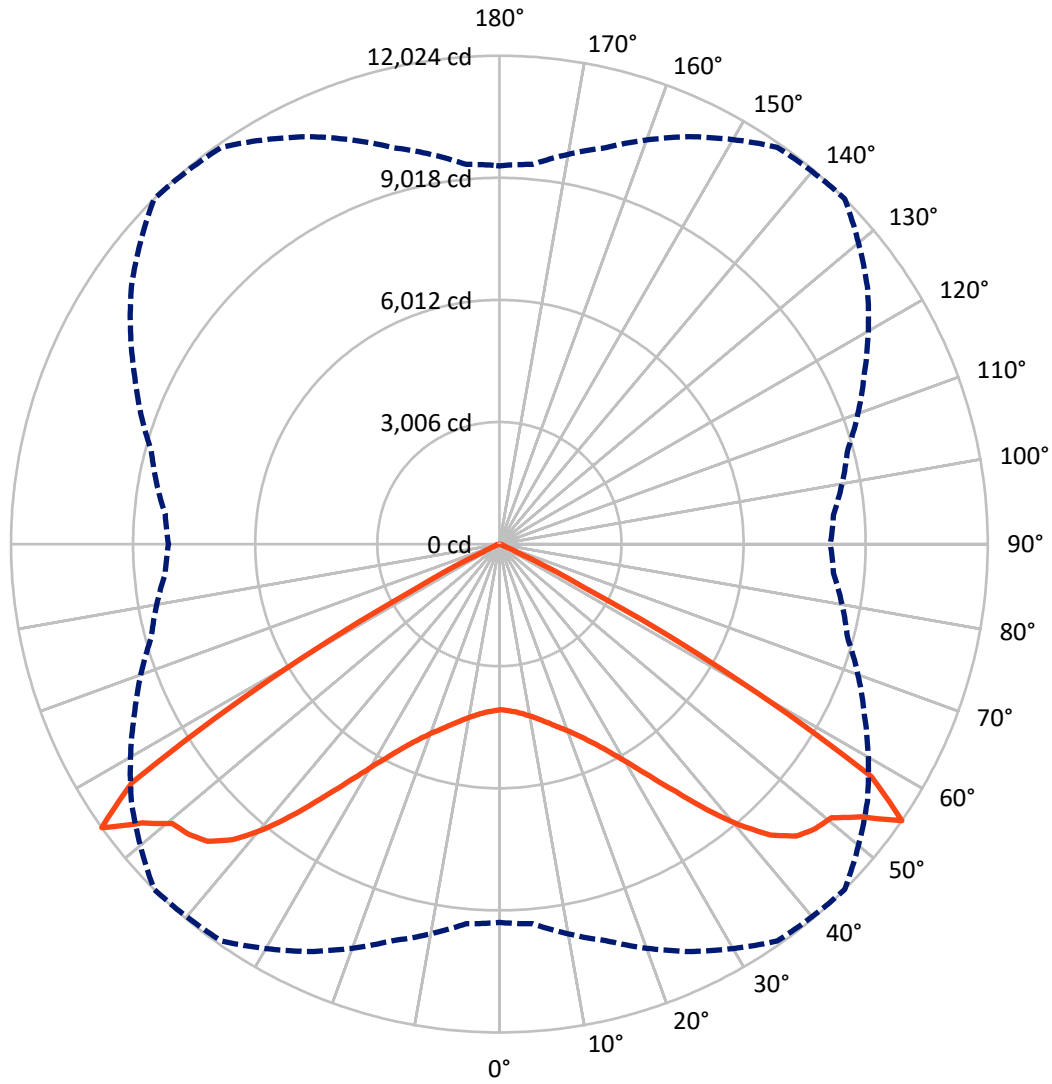
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12603.5	0.0	12603.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12603.5	0.0	12603.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25207.0	0.0	25207.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.3	1.6
10°-20°	1294.4	5.1
20°-30°	2506.7	9.9
30°-40°	4490.9	17.8
40°-50°	7529.4	29.9
50°-60°	8059.8	32.0
60°-70°	885.7	3.5
70°-80°	39.0	0.2
80°-90°	1.8	0.0
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°	25207.0	100.0
0°-180°	25207.0	100.0

Coefficient of Utilization



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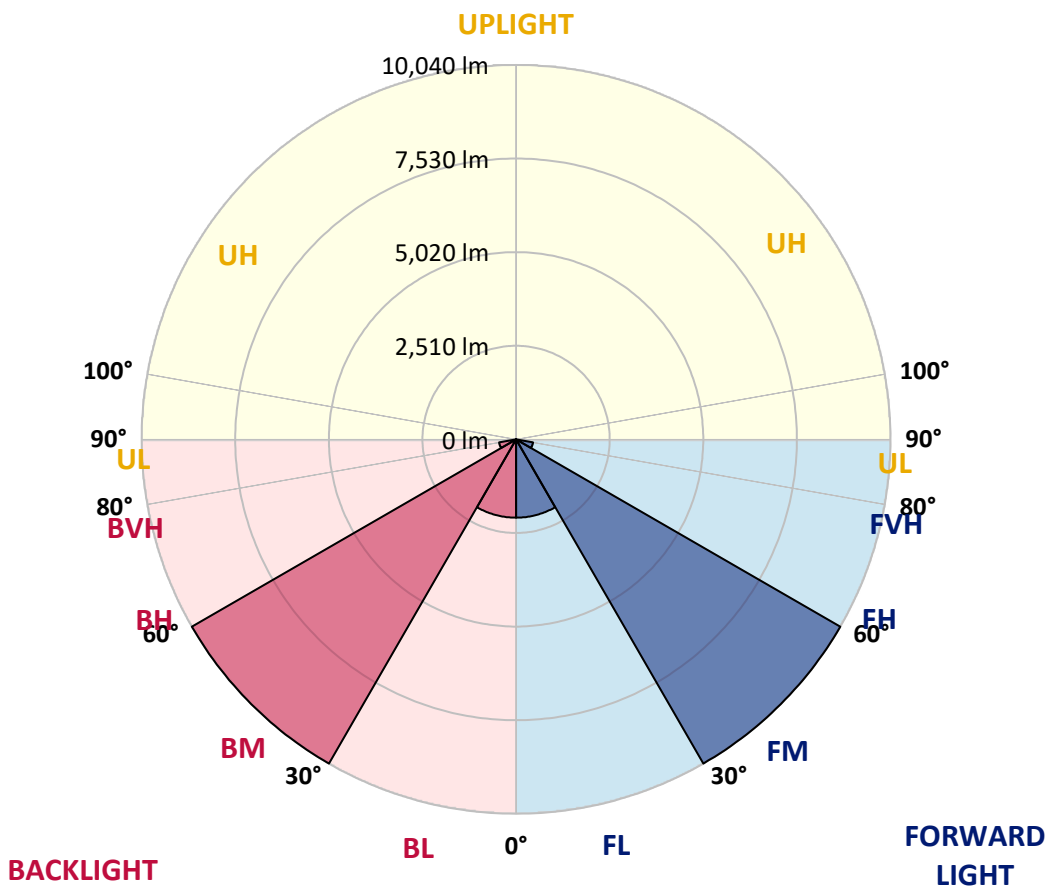
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2100.2	8.3			
FM (30°-60°)	10040.1	39.8			
FH (60°-80°)	462.3	1.8			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	2100.2	8.3	B3/2500		
BM (30°-60°)	10040.1	39.8	B5		
BH (60°-80°)	462.3	1.8	B1/500		G0/660
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4075.5	4075.5	4075.5	4075.5	4075.5	4075.5	4075.5	4075.5	4075.5	4075.5	4075.5
2.5°	4067.8	4067.8	4078.1	4085.8	4085.8	4106.3	4098.6	4090.9	4090.9	4080.6	4101.2
5°	4126.8	4124.3	4134.6	4139.7	4129.4	4150.0	4137.1	4129.4	4124.3	4114.0	4134.6
7.5°	4191.0	4193.6	4196.2	4206.5	4201.3	4221.9	4211.6	4196.2	4191.0	4175.6	4196.2
10°	4268.1	4268.1	4273.2	4286.1	4288.6	4314.3	4304.0	4286.1	4270.7	4255.2	4275.8
12.5°	4365.7	4368.2	4375.9	4393.9	4404.2	4432.4	4417.0	4381.1	4358.0	4340.0	4363.1
15°	4506.9	4504.3	4514.6	4540.3	4553.1	4573.7	4550.6	4501.8	4473.5	4453.0	4468.4
17.5°	4661.0	4661.0	4666.1	4691.8	4709.8	4740.6	4712.4	4653.3	4627.6	4599.4	4614.8
20°	4830.5	4838.2	4843.3	4861.3	4892.1	4922.9	4899.8	4840.8	4812.5	4776.6	4794.5
22.5°	5053.9	5046.2	5048.8	5079.6	5123.2	5154.1	5136.1	5066.8	5018.0	4989.7	5000.0
25°	5303.0	5300.4	5308.1	5354.4	5403.2	5436.5	5410.9	5321.0	5272.2	5223.4	5243.9
27.5°	5608.6	5611.2	5616.3	5672.8	5749.9	5798.6	5734.4	5644.6	5577.8	5513.6	5529.0
30°	5970.7	5965.6	5981.0	6058.0	6171.0	6248.1	6173.6	6047.7	5952.7	5891.1	5898.8
32.5°	6355.9	6361.0	6402.1	6525.4	6674.3	6810.5	6658.9	6492.0	6368.7	6253.2	6268.6
35°	6771.9	6784.8	6877.2	7059.6	7303.5	7485.8	7275.3	7000.5	6825.9	6676.9	6682.1
37.5°	7262.4	7293.2	7421.6	7693.9	8043.1	8287.1	7978.9	7614.3	7388.3	7203.4	7190.5
40°	7907.0	7943.0	8117.6	8441.2	8864.9	9088.3	8731.4	8356.4	8076.5	7876.2	7845.4
42.5°	8646.6	8692.8	8882.9	9214.1	9637.9	9789.4	9440.1	9124.3	8872.6	8636.3	8626.1
45°	9481.2	9506.9	9661.0	9915.2	10220.8	10256.8	9994.8	9820.2	9566.0	9345.1	9327.1
47.5°	10264.5	10290.2	10395.4	10526.4	10598.3	10469.9	10423.7	10346.6	10017.9	9745.7	9689.2
50°	10860.3	10880.8	11011.8	11063.1	10862.8	10590.6	10680.5	10516.1	10159.2	9853.6	9766.3
52.5°	10819.2	10870.5	11206.9	11499.7	11373.9	11153.0	10911.6	10557.2	10002.5	9583.9	9476.1
55°	9314.3	9383.6	10105.3	11068.3	11928.6	12023.6	11058.0	9915.2	8872.6	8258.8	8148.4
57.5°	5986.1	6004.1	6884.9	8235.7	10174.6	10785.8	9170.5	7475.6	6178.7	5503.3	5457.1
60°	2200.8	2164.9	2830.0	3949.7	5860.3	6507.4	5398.0	3780.2	2696.4	2218.8	2180.3
62.5°	529.0	534.2	662.6	993.8	1838.7	2275.3	1797.6	1004.1	639.4	536.7	531.6
65°	267.1	261.9	264.5	285.1	392.9	470.0	385.2	272.2	261.9	264.5	261.9
67.5°	172.1	169.5	174.6	177.2	174.6	164.4	161.8	166.9	166.9	169.5	164.4
70°	105.3	102.7	107.9	115.6	110.4	97.6	102.7	107.9	102.7	100.2	100.2
72.5°	56.5	56.5	61.6	66.8	61.6	56.5	56.5	59.1	56.5	56.5	56.5
75°	25.7	25.7	28.2	30.8	25.7	25.7	25.7	25.7	25.7	25.7	25.7
77.5°	7.7	7.7	10.3	10.3	7.7	7.7	7.7	7.7	10.3	10.3	10.3
80°	2.6	5.1	5.1	2.6	2.6	2.6	2.6	2.6	5.1	5.1	5.1
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
85°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
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)