

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: P641705

Luminaire Tested: GWS-SA6B-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641705
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-SA6B-740-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 17881.2 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

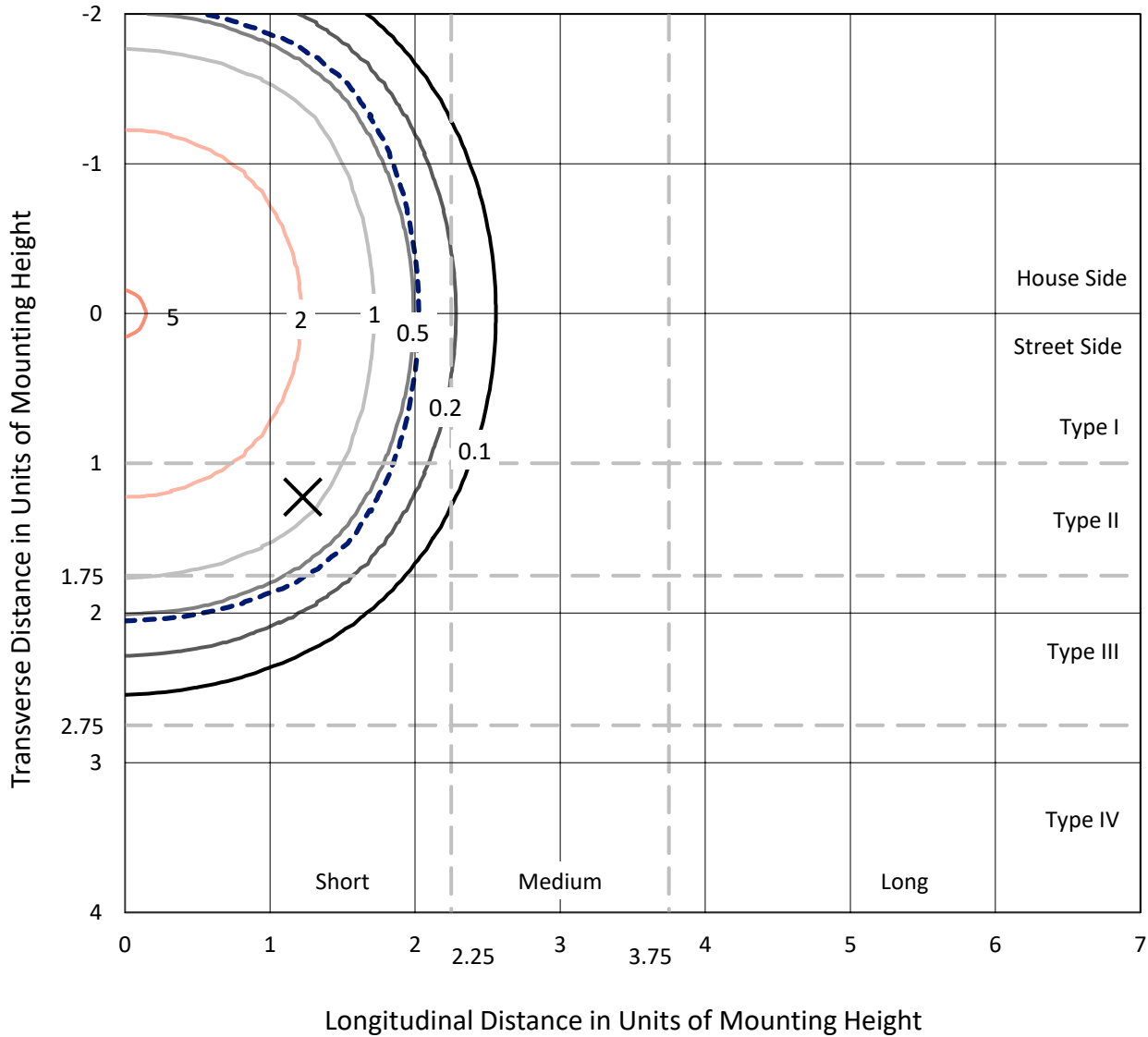
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

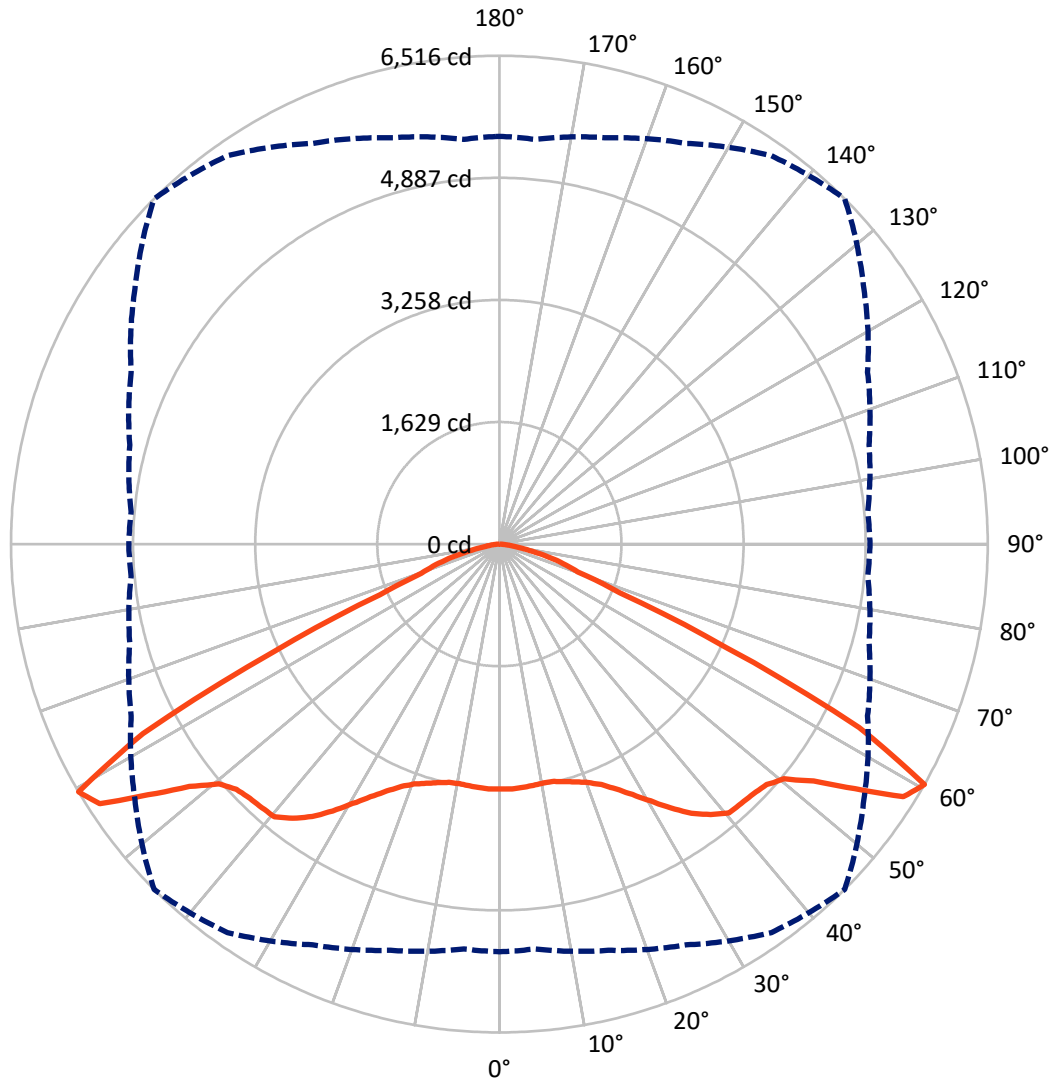
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	8940.6	0.0	8940.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8940.6	0.0	8940.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	17881.2	0.0	17881.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.9	1.7
10°-20°	932.1	5.2
20°-30°	1649.1	9.2
30°-40°	2655.1	14.8
40°-50°	3649.4	20.4
50°-60°	4863.1	27.2
60°-70°	3030.9	17.0
70°-80°	697.0	3.9
80°-90°	94.6	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°	17881.2	100.0
0°-180°	17881.2	100.0

Coefficient of Utilization



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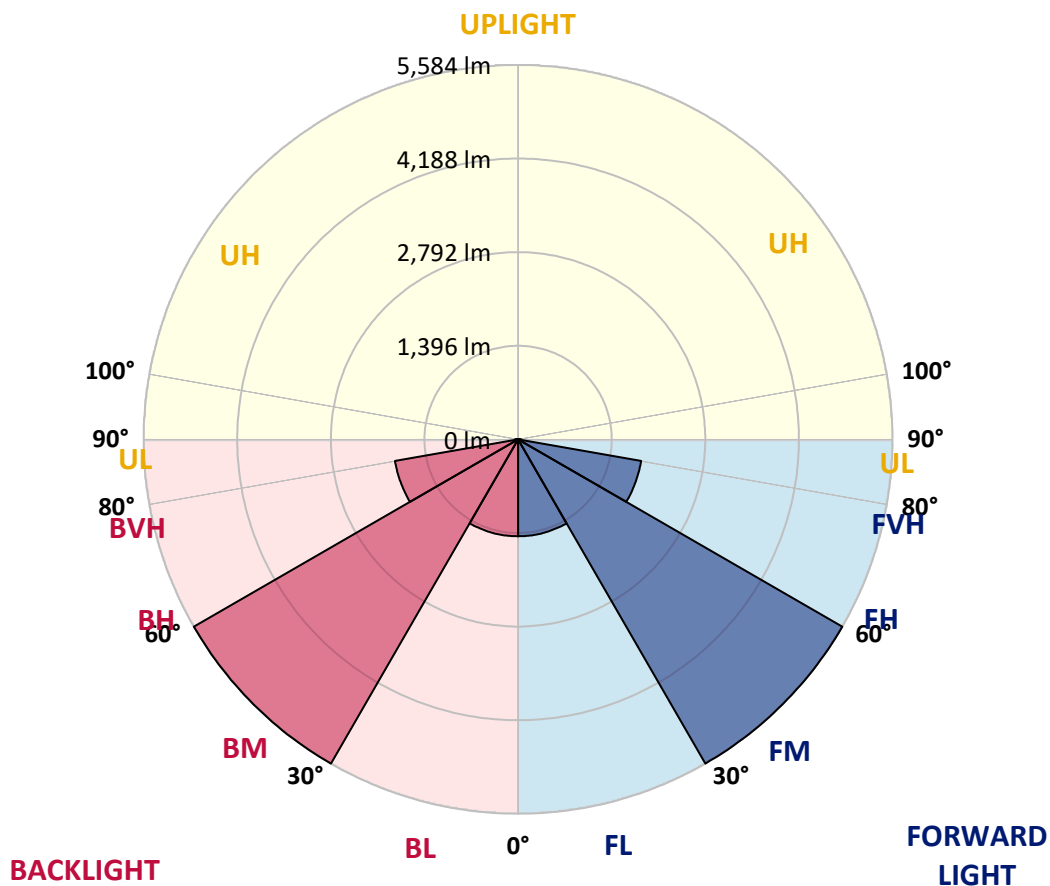
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1445.6	8.1			
FM (30°-60°)	5583.8	31.2			
FH (60°-80°)	1864.0	10.4			G2/5000
FVH (80°-90°)	47.3	0.3			G1/100
BL (0°-30°)	1445.6	8.1	B3/2500		
BM (30°-60°)	5583.8	31.2	B4/8500		
BH (60°-80°)	1864.0	10.4	B3/2500		G2/5000
BVH (80°-90°)	47.3	0.3			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°	3267.8	3267.8	3267.8	3267.8	3267.8	3267.8	3267.8	3267.8	3267.8	3267.8	3267.8
2.5°	3245.0	3248.0	3254.1	3258.7	3264.7	3270.8	3273.8	3267.8	3264.7	3252.6	3266.2
5°	3248.0	3251.1	3255.6	3255.6	3257.1	3261.7	3261.7	3254.1	3246.5	3232.9	3248.0
7.5°	3243.5	3246.5	3248.0	3246.5	3248.0	3249.6	3246.5	3237.4	3229.8	3217.7	3229.8
10°	3235.9	3238.9	3242.0	3238.9	3235.9	3240.4	3240.4	3234.4	3229.8	3217.7	3231.3
12.5°	3252.6	3257.1	3258.7	3251.1	3248.0	3249.6	3249.6	3243.5	3243.5	3232.9	3248.0
15°	3292.0	3295.1	3290.5	3281.4	3282.9	3287.5	3276.9	3261.7	3258.7	3254.1	3266.2
17.5°	3322.4	3325.4	3320.9	3314.8	3325.4	3336.1	3316.3	3287.5	3278.4	3275.4	3289.0
20°	3355.8	3360.3	3354.3	3361.9	3383.1	3395.3	3371.0	3331.5	3313.3	3308.7	3325.4
22.5°	3410.4	3416.5	3416.5	3433.2	3465.1	3484.8	3454.4	3401.3	3374.0	3366.4	3383.1
25°	3496.9	3501.5	3506.1	3539.4	3591.0	3618.4	3569.8	3496.9	3459.0	3446.9	3456.0
27.5°	3616.9	3624.4	3632.0	3680.6	3744.3	3783.8	3714.0	3622.9	3575.9	3551.6	3569.8
30°	3759.5	3770.1	3788.4	3843.0	3932.5	3976.6	3887.0	3776.2	3723.1	3697.3	3721.6
32.5°	3953.8	3955.3	3969.0	4029.7	4148.1	4198.2	4085.8	3962.9	3908.3	3877.9	3891.6
35°	4184.5	4186.0	4164.8	4227.0	4354.5	4410.6	4278.6	4154.1	4108.6	4099.5	4134.4
37.5°	4421.3	4407.6	4386.4	4413.7	4542.7	4579.1	4439.5	4333.2	4313.5	4330.2	4381.8
40°	4589.7	4567.0	4524.5	4544.2	4674.7	4717.2	4568.5	4468.3	4462.3	4503.2	4565.5
42.5°	4699.0	4674.7	4624.7	4624.7	4714.2	4732.4	4617.1	4563.9	4577.6	4624.7	4683.8
45°	4752.1	4738.5	4709.6	4694.5	4744.6	4752.1	4664.1	4642.9	4668.7	4691.4	4737.0
47.5°	4793.1	4793.1	4784.0	4768.8	4791.6	4796.2	4730.9	4724.8	4758.2	4758.2	4788.6
50°	4866.0	4873.6	4885.7	4882.7	4907.0	4922.1	4873.6	4864.5	4878.1	4834.1	4849.3
52.5°	5057.2	5076.9	5111.9	5139.2	5201.4	5248.5	5161.9	5089.1	5017.8	4920.6	4923.7
55°	5400.2	5409.3	5477.6	5558.1	5662.8	5758.4	5580.8	5354.7	5199.9	5086.1	5087.6
57.5°	5690.1	5703.8	5804.0	5972.4	6207.7	6356.4	5963.3	5585.4	5366.8	5227.2	5231.8
60°	5439.7	5421.5	5611.2	5899.6	6326.1	6515.8	5936.0	5420.0	5105.8	4932.8	4944.9
62.5°	4208.8	4173.9	4384.8	4686.9	5198.4	5388.1	4853.8	4359.0	4061.6	3926.5	3906.7
65°	2562.0	2530.1	2681.9	2867.1	3213.1	3333.0	3088.7	2826.1	2566.6	2484.6	2461.8
67.5°	1394.8	1390.3	1431.3	1522.3	1674.1	1730.3	1683.2	1558.8	1492.0	1434.3	1434.3
70°	1106.5	1097.3	1089.8	1091.3	1104.9	1112.5	1114.0	1108.0	1115.6	1117.1	1111.0
72.5°	916.7	913.7	898.5	900.0	894.0	890.9	901.6	907.6	919.8	921.3	921.3
75°	664.8	657.2	664.8	666.3	660.2	660.2	667.8	666.3	672.4	675.4	658.7
77.5°	377.9	377.9	388.5	400.7	409.8	409.8	417.4	417.4	425.0	423.5	420.4
80°	207.9	207.9	214.0	221.6	230.7	239.8	247.4	248.9	253.5	252.0	247.4
82.5°	118.4	119.9	122.9	127.5	136.6	144.2	151.8	153.3	157.8	157.8	153.3
85°	56.2	54.6	56.2	59.2	63.7	69.8	77.4	82.0	85.0	85.0	82.0
87.5°	10.6	12.1	10.6	12.1	13.7	18.2	21.2	24.3	28.8	30.4	27.3
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)