

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: P642803

Luminaire Tested: GWS-SA6D-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37773.8 lumens
Efficiency: N/A
Efficacy: 153.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

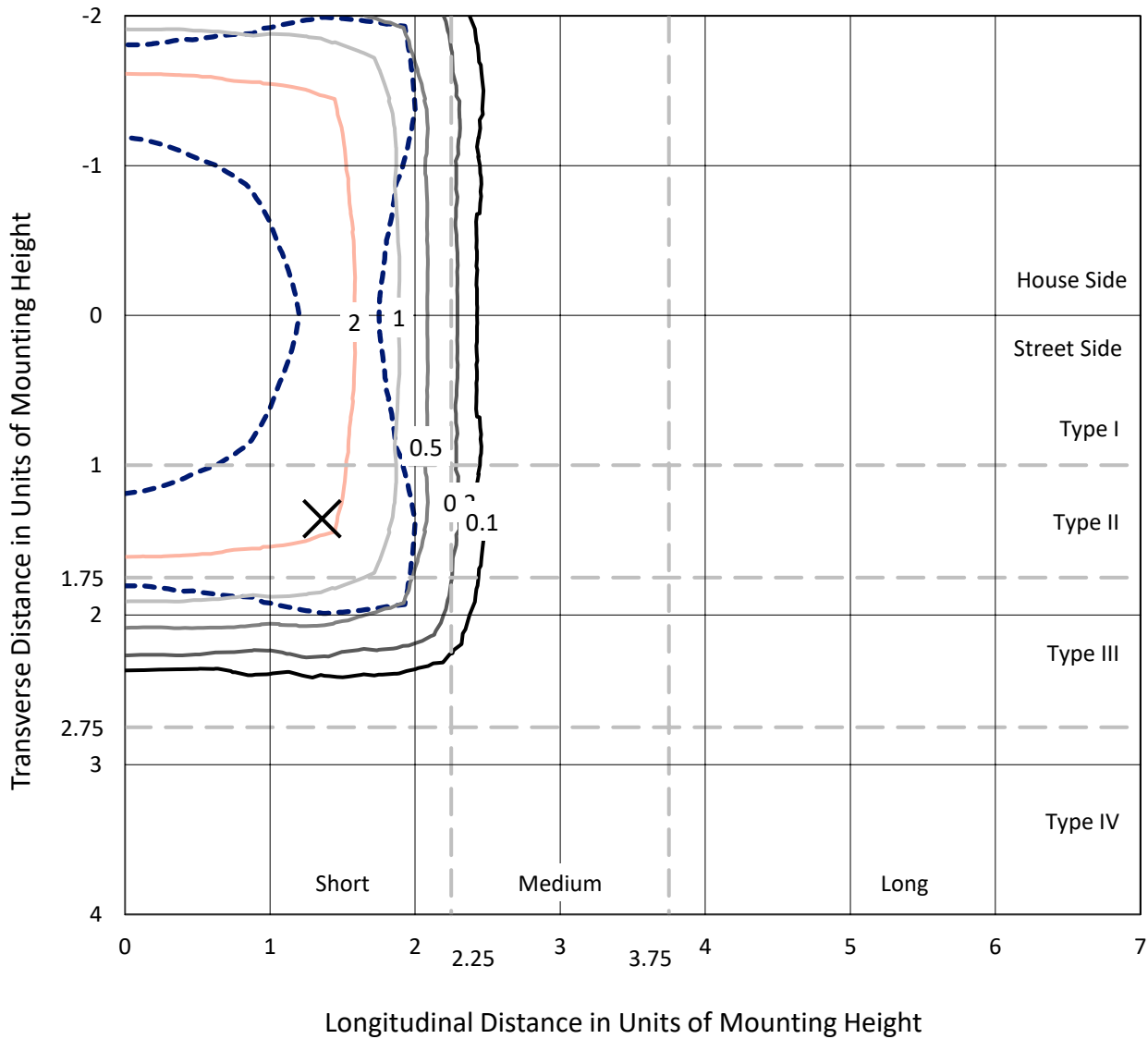
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

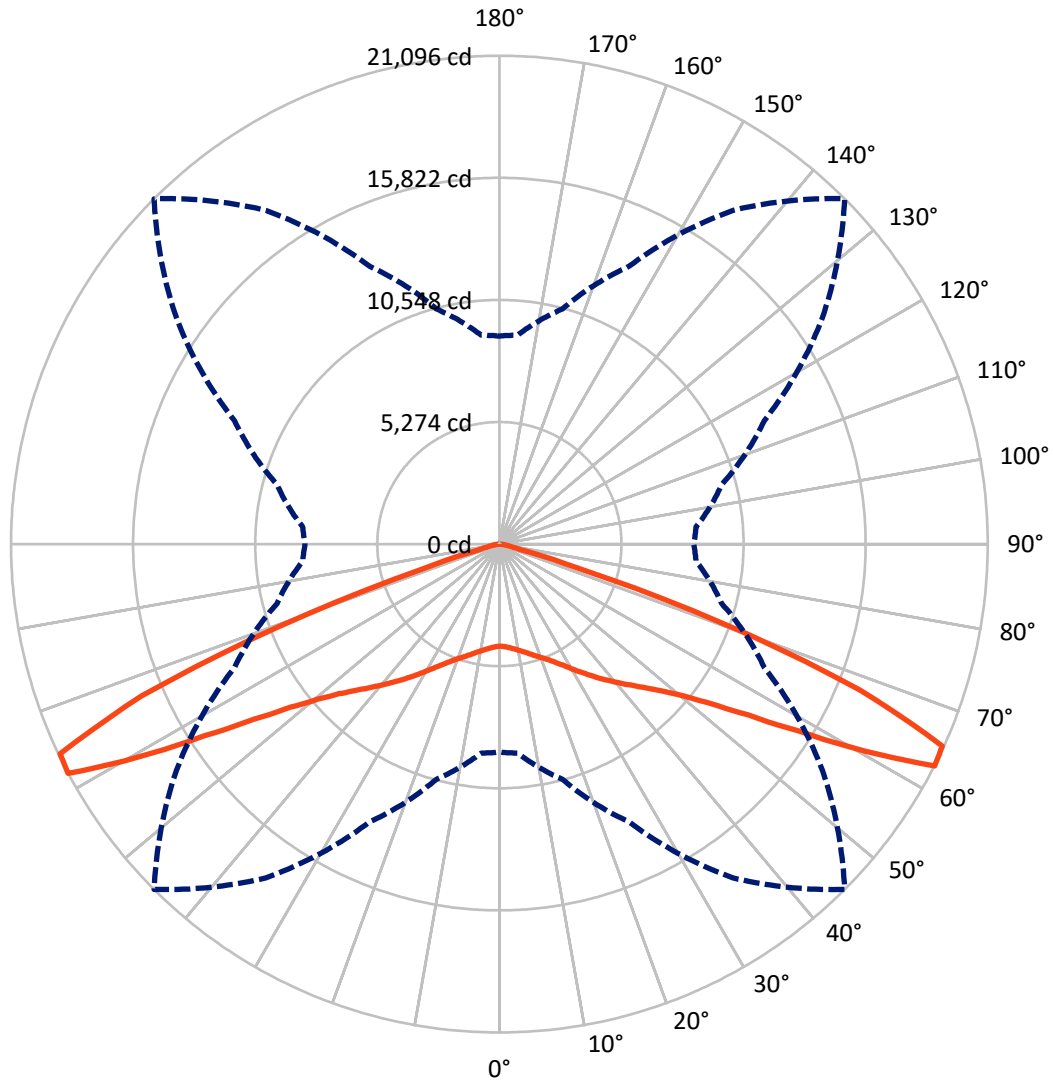
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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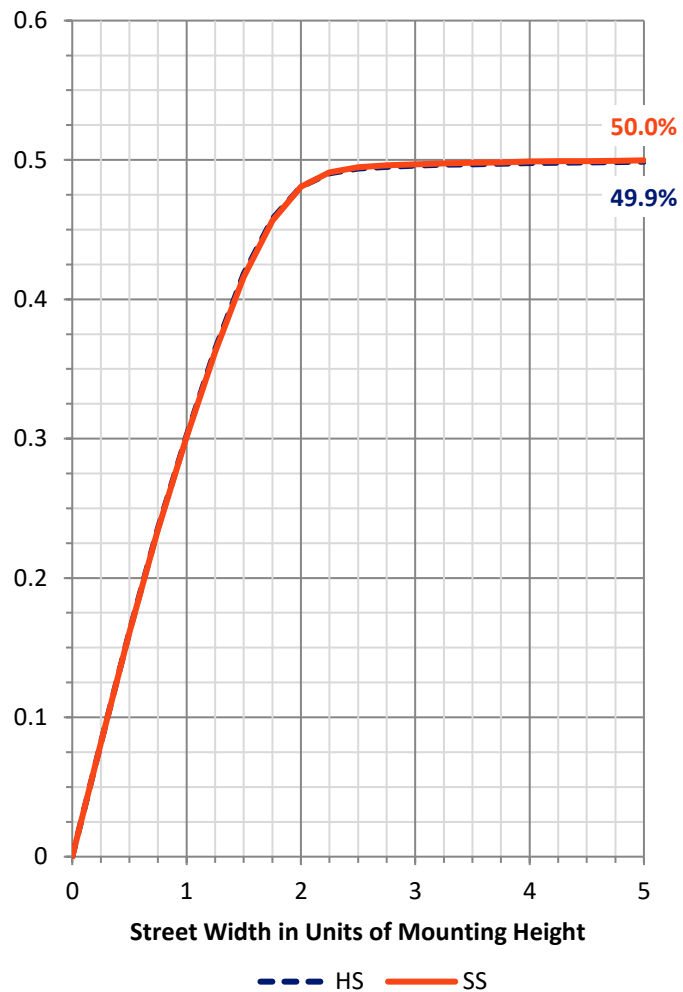
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18886.9	0.0	18886.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18886.9	0.0	18886.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	37773.8	0.0	37773.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.4	1.1
10°-20°	1394.3	3.7
20°-30°	2637.9	7.0
30°-40°	4440.0	11.8
40°-50°	7093.7	18.8
50°-60°	11434.7	30.3
60°-70°	9329.4	24.7
70°-80°	906.0	2.4
80°-90°	105.4	0.3
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°	37773.8	100.0
0°-180°	37773.8	100.0

Coefficient of Utilization



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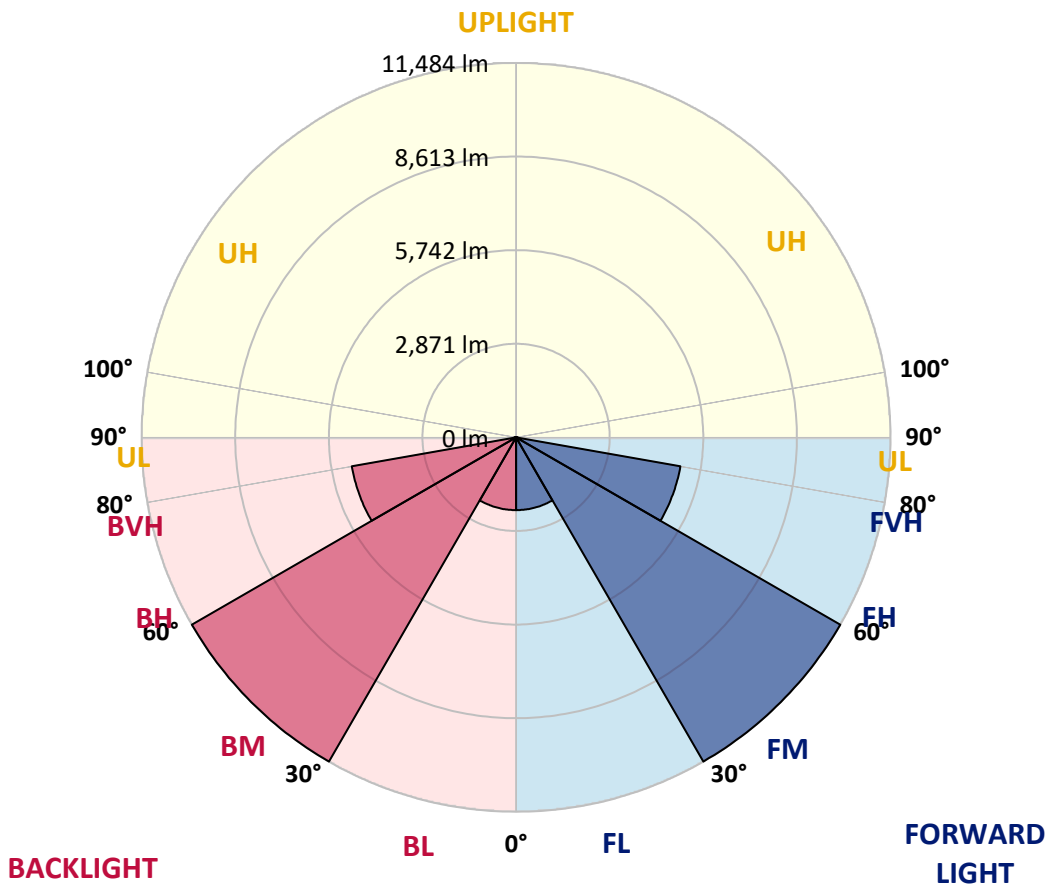
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2232.3	5.9			
FM (30°-60°)	11484.2	30.4			
FH (60°-80°)	5117.7	13.5			G3/7500
FVH (80°-90°)	52.7	0.1			G1/100
BL (0°-30°)	2232.3	5.9	B3/2500		
BM (30°-60°)	11484.2	30.4	B5		
BH (60°-80°)	5117.7	13.5	B5		G3/7500
BVH (80°-90°)	52.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4406.8	4406.8	4406.8	4406.8	4406.8	4406.8	4406.8	4406.8	4406.8	4406.8	4406.8
2.5°	4401.6	4401.6	4412.0	4419.8	4414.6	4435.3	4432.7	4427.5	4425.0	4417.2	4440.5
5°	4461.2	4461.2	4469.0	4476.8	4463.8	4489.7	4479.4	4474.2	4471.6	4461.2	4482.0
7.5°	4528.6	4536.4	4539.0	4551.9	4544.1	4572.6	4564.9	4554.5	4549.3	4536.4	4554.5
10°	4603.7	4608.9	4611.5	4634.8	4637.4	4671.1	4663.3	4650.4	4640.0	4627.0	4652.9
12.5°	4704.8	4707.3	4715.1	4743.6	4751.4	4777.3	4774.7	4756.6	4743.6	4725.5	4754.0
15°	4834.3	4836.9	4849.8	4878.3	4891.3	4922.4	4912.0	4883.5	4865.4	4844.7	4868.0
17.5°	4969.0	4979.4	4992.3	5020.8	5039.0	5075.2	5062.3	5031.2	5015.6	4994.9	5010.5
20°	5142.6	5145.2	5153.0	5184.0	5197.0	5238.4	5241.0	5209.9	5202.2	5181.4	5204.8
22.5°	5334.3	5336.9	5344.7	5378.3	5401.7	5427.6	5443.1	5425.0	5412.0	5386.1	5414.6
25°	5546.7	5572.6	5580.4	5621.9	5647.8	5663.3	5681.5	5673.7	5655.6	5624.5	5637.4
27.5°	5844.7	5849.9	5862.8	5909.4	5925.0	5940.5	5958.7	5961.3	5935.4	5899.1	5917.2
30°	6184.1	6181.5	6210.0	6246.2	6259.2	6272.1	6298.1	6313.6	6279.9	6241.1	6259.2
32.5°	6531.2	6562.3	6598.6	6632.3	6624.5	6629.7	6671.1	6699.6	6653.0	6583.0	6598.6
35°	6922.4	6943.1	6989.8	7039.0	7028.6	7020.9	7046.8	7075.3	7010.5	6919.8	6943.1
37.5°	7324.0	7355.1	7425.0	7484.6	7469.1	7432.8	7461.3	7492.4	7430.2	7326.6	7316.2
40°	7772.2	7821.4	7922.4	7971.7	7930.2	7860.3	7909.5	7984.6	7922.4	7803.3	7774.8
42.5°	8298.1	8357.7	8458.7	8533.8	8443.2	8329.2	8412.1	8520.9	8505.4	8347.3	8298.1
45°	8948.4	8987.2	9111.6	9147.8	9013.1	8855.1	9005.4	9171.2	9132.3	8961.3	8896.5
47.5°	9655.6	9715.2	9824.0	9891.4	9673.8	9476.9	9686.7	9909.5	9868.1	9707.4	9632.3
50°	10557.2	10634.9	10777.4	10834.4	10533.9	10308.5	10577.9	10860.3	10780.0	10565.0	10466.5
52.5°	11539.1	11601.3	11844.8	11958.8	11676.4	11432.9	11668.6	11945.8	11774.8	11489.9	11357.7
55°	12404.4	12466.6	12824.1	13202.3	13189.4	13021.0	13140.2	13145.3	12681.6	12210.1	12070.2
57.5°	12590.9	12653.1	13334.5	14324.1	15023.6	15217.9	14868.2	14132.4	12964.0	12137.5	11979.5
60°	11596.1	11666.0	12749.0	14557.3	16857.8	18155.8	16544.4	14111.7	12090.9	10971.7	10821.5
62.5°	8984.6	9059.8	10515.8	13230.8	17598.8	21096.3	17031.4	12627.2	9945.8	8528.7	8396.5
65°	4290.2	4290.2	6140.0	9489.8	16122.1	21026.3	15622.1	9342.2	5987.2	4598.5	4484.5
67.5°	1062.2	1067.4	1580.3	3694.4	10966.5	16780.1	11145.3	4484.5	2108.9	1492.3	1453.4
70°	663.2	660.6	733.2	1000.0	3836.9	10184.1	4557.1	1352.4	857.5	756.5	751.3
72.5°	515.6	515.6	551.8	639.9	1005.2	3469.0	1329.0	751.3	621.8	559.6	559.6
75°	406.7	406.7	432.7	479.3	593.3	893.8	707.3	557.0	481.9	440.4	435.2
77.5°	303.1	308.3	329.0	360.1	404.2	502.6	448.2	419.7	375.7	344.6	334.2
80°	196.9	204.7	230.6	248.7	264.3	331.6	292.8	305.7	285.0	248.7	243.5
82.5°	106.2	108.8	139.9	145.1	150.3	181.4	186.5	194.3	202.1	158.0	147.7
85°	38.9	38.9	46.6	54.4	59.6	64.8	88.1	108.8	114.0	90.7	88.1
87.5°	7.8	7.8	7.8	5.2	5.2	5.2	15.5	28.5	46.6	36.3	36.3
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)