

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: P642636

Luminaire Tested: GWS-SA6D-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642636
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24861.6 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

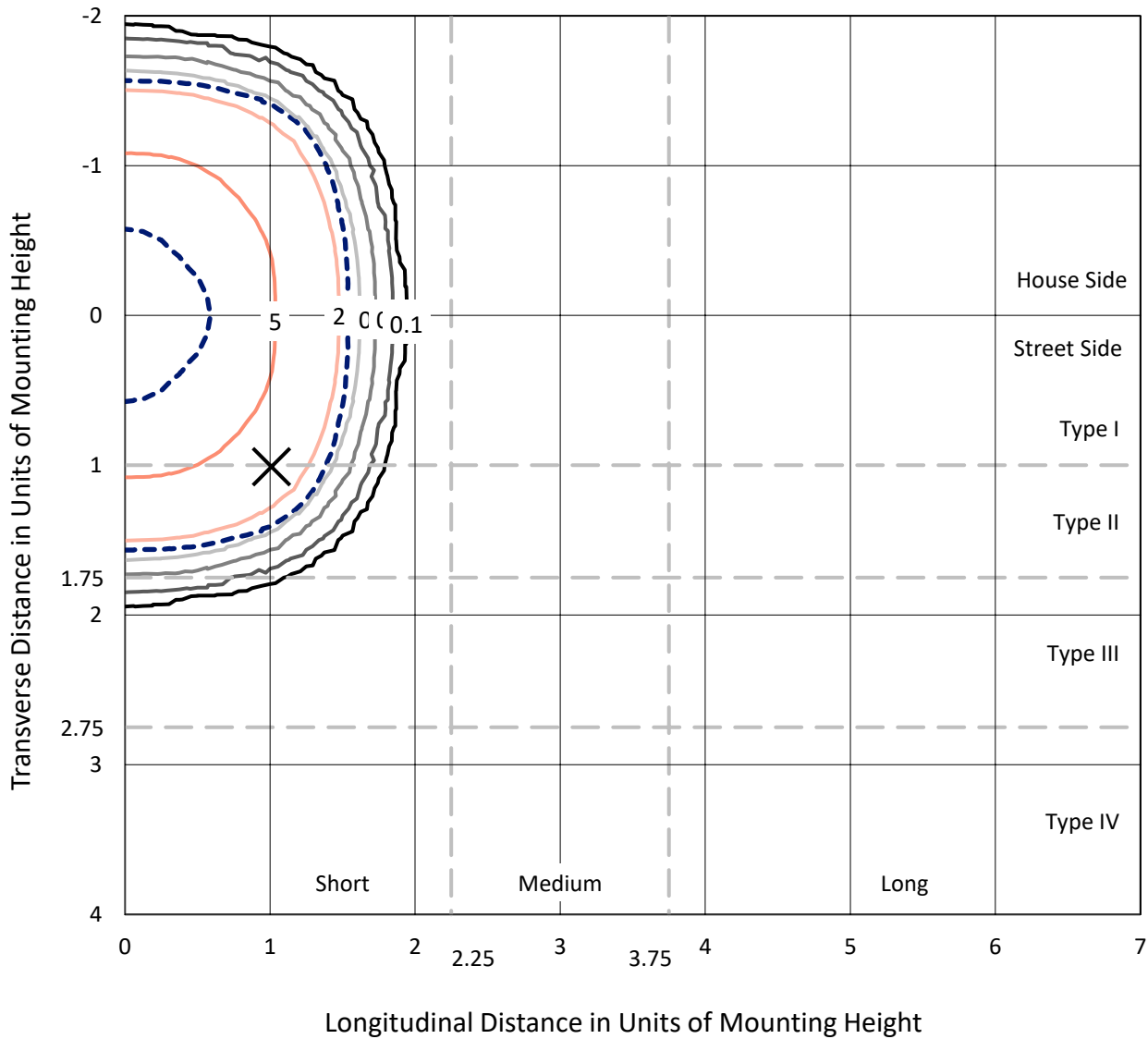
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

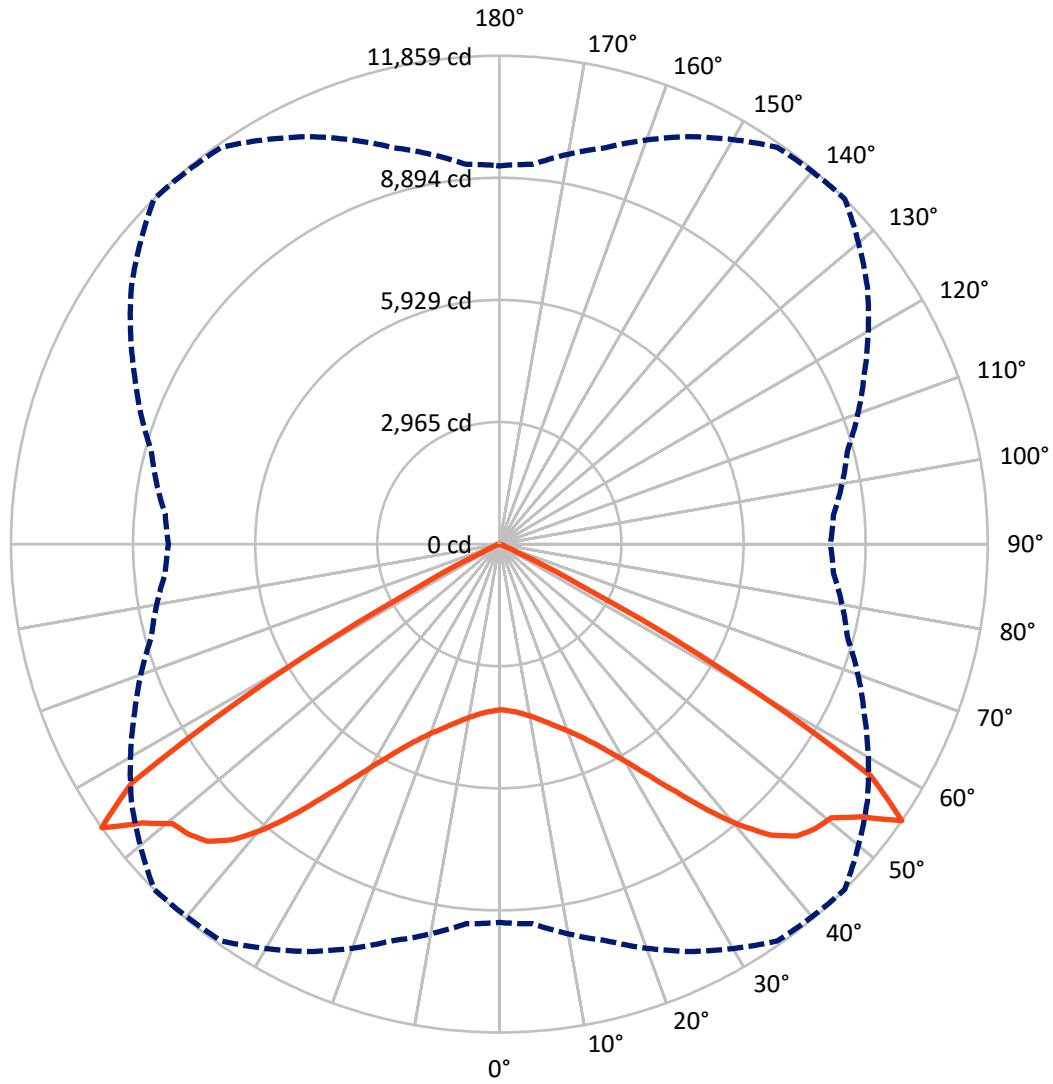
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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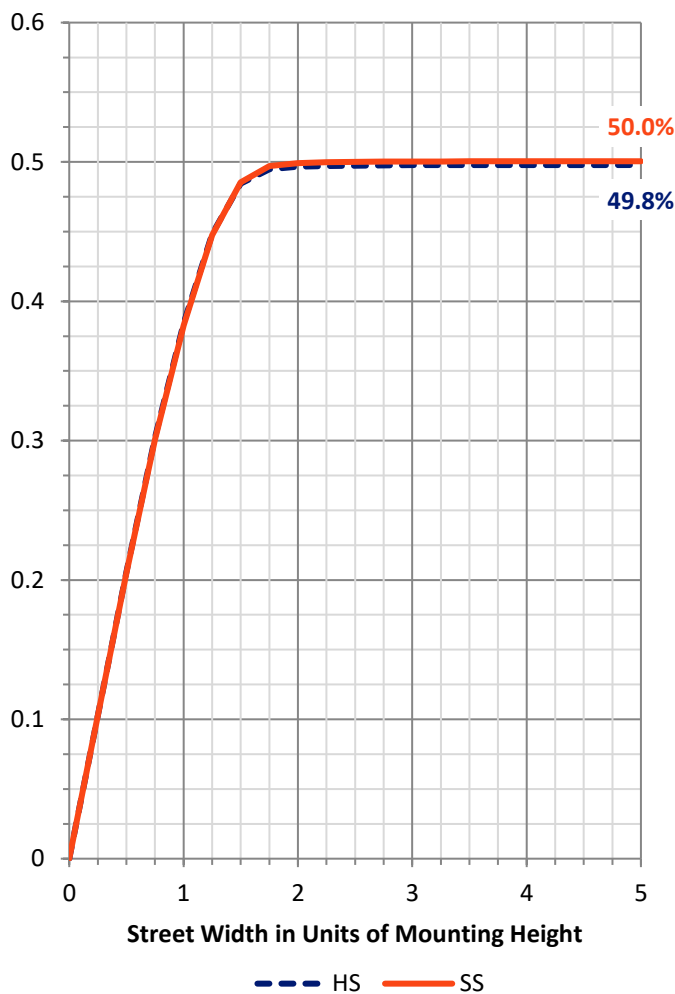
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12430.8	0.0	12430.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12430.8	0.0	12430.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	24861.6	0.0	24861.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.8	1.6
10°-20°	1276.6	5.1
20°-30°	2472.4	9.9
30°-40°	4429.4	17.8
40°-50°	7426.2	29.9
50°-60°	7949.4	32.0
60°-70°	873.5	3.5
70°-80°	38.5	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°	24861.6	100.0
0°-180°	24861.6	100.0

Coefficient of Utilization



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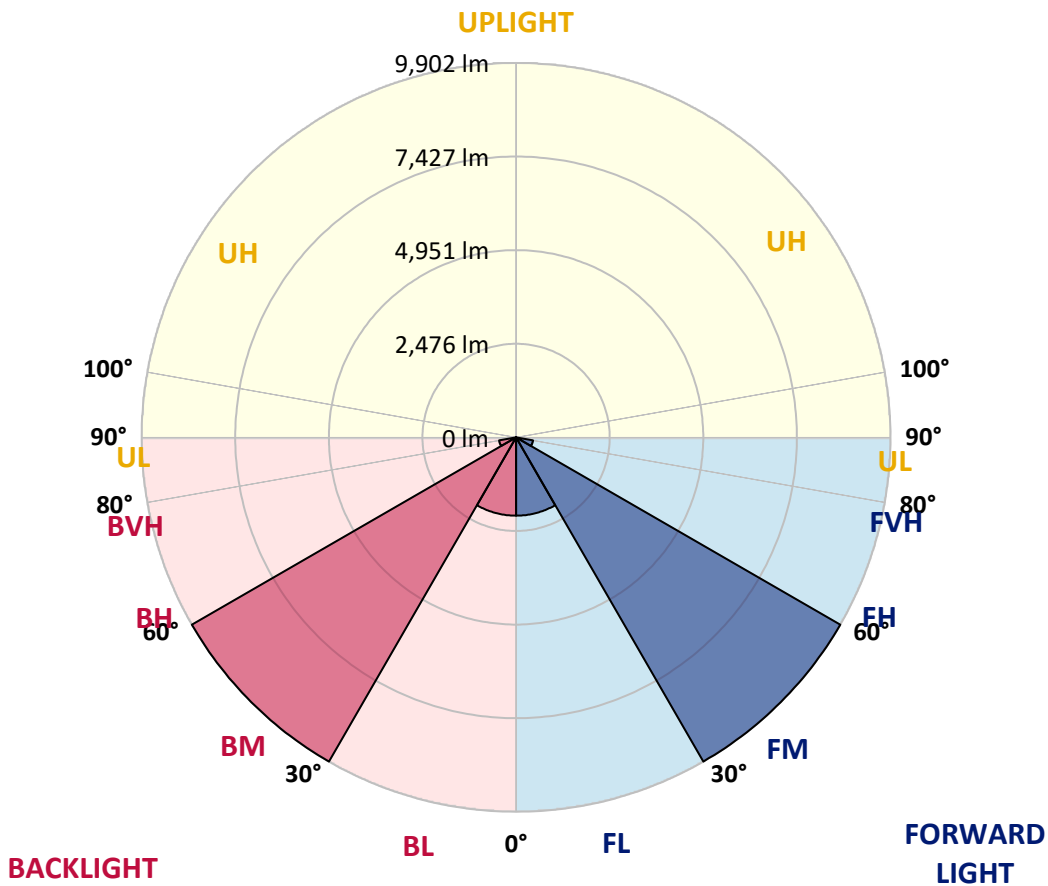
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2071.4	8.3			
FM (30°-60°)	9902.5	39.8			
FH (60°-80°)	456.0	1.8			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	2071.4	8.3	B3/2500		
BM (30°-60°)	9902.5	39.8	B5		
BH (60°-80°)	456.0	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°	4019.6	4019.6	4019.6	4019.6	4019.6	4019.6	4019.6	4019.6	4019.6	4019.6	4019.6
2.5°	4012.0	4012.0	4022.2	4029.8	4029.8	4050.0	4042.4	4034.8	4034.8	4024.7	4045.0
5°	4070.3	4067.8	4077.9	4083.0	4072.8	4093.1	4080.4	4072.8	4067.8	4057.6	4077.9
7.5°	4133.6	4136.2	4138.7	4148.8	4143.8	4164.0	4153.9	4138.7	4133.6	4118.4	4138.7
10°	4209.6	4209.6	4214.7	4227.3	4229.9	4255.2	4245.1	4227.3	4212.1	4196.9	4217.2
12.5°	4305.9	4308.4	4316.0	4333.7	4343.8	4371.7	4356.5	4321.1	4298.3	4280.5	4303.3
15°	4445.2	4442.6	4452.8	4478.1	4490.8	4511.0	4488.2	4440.1	4412.2	4392.0	4407.2
17.5°	4597.1	4597.1	4602.2	4627.5	4645.3	4675.7	4647.8	4589.5	4564.2	4536.3	4551.5
20°	4764.3	4771.9	4777.0	4794.7	4825.1	4855.5	4832.7	4774.4	4746.6	4711.1	4728.8
22.5°	4984.7	4977.1	4979.6	5010.0	5053.0	5083.4	5065.7	4997.3	4949.2	4921.3	4931.5
25°	5230.3	5227.8	5235.4	5281.0	5329.1	5362.1	5336.7	5248.1	5200.0	5151.8	5172.1
27.5°	5531.8	5534.3	5539.4	5595.1	5671.1	5719.2	5655.9	5567.2	5501.4	5438.0	5453.2
30°	5888.9	5883.8	5899.0	5975.0	6086.5	6162.4	6089.0	5964.9	5871.2	5810.4	5818.0
32.5°	6268.8	6273.9	6314.4	6436.0	6582.9	6717.1	6567.7	6403.1	6281.5	6167.5	6182.7
35°	6679.1	6691.8	6783.0	6962.8	7203.4	7383.3	7175.6	6904.6	6732.3	6585.4	6590.5
37.5°	7162.9	7193.3	7320.0	7588.4	7932.9	8173.5	7869.6	7509.9	7287.0	7104.7	7092.0
40°	7798.7	7834.1	8006.4	8325.5	8743.4	8963.8	8611.7	8241.9	7965.8	7768.3	7737.9
42.5°	8528.1	8573.7	8761.1	9087.9	9505.8	9655.2	9310.8	8999.2	8751.0	8518.0	8507.9
45°	9351.3	9376.6	9528.6	9779.4	10080.8	10116.2	9857.9	9685.6	9434.9	9217.1	9199.3
47.5°	10123.8	10149.2	10253.0	10382.2	10453.1	10326.5	10280.9	10204.9	9880.7	9612.2	9556.5
50°	10711.4	10731.7	10860.9	10911.5	10714.0	10445.5	10534.1	10372.0	10020.0	9718.6	9632.4
52.5°	10670.9	10721.6	11053.4	11342.1	11218.0	11000.2	10762.1	10412.6	9865.5	9452.6	9346.2
55°	9186.7	9255.1	9966.8	10916.6	11765.1	11858.8	10906.5	9779.4	8751.0	8145.7	8036.8
57.5°	5904.1	5921.8	6790.6	8122.9	10035.2	10638.0	9044.8	7373.1	6094.1	5427.9	5382.3
60°	2170.7	2135.2	2791.2	3895.5	5780.0	6418.3	5324.1	3728.4	2659.5	2188.4	2150.4
62.5°	521.8	526.8	653.5	980.2	1813.5	2244.1	1773.0	990.3	630.7	529.4	524.3
65°	263.4	258.4	260.9	281.1	387.5	463.5	379.9	268.5	258.4	260.9	258.4
67.5°	169.7	167.2	172.2	174.8	172.2	162.1	159.6	164.6	164.6	167.2	162.1
70°	103.8	101.3	106.4	114.0	108.9	96.2	101.3	106.4	101.3	98.8	98.8
72.5°	55.7	55.7	60.8	65.9	60.8	55.7	55.7	58.3	55.7	55.7	55.7
75°	25.3	25.3	27.9	30.4	25.3	25.3	25.3	25.3	25.3	25.3	25.3
77.5°	7.6	7.6	10.1	10.1	7.6	7.6	7.6	7.6	10.1	10.1	10.1
80°	2.5	5.1	5.1	2.5	2.5	2.5	2.5	2.5	5.1	5.1	5.1
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
85°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
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)