

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: P642805

Luminaire Tested: GWS-SA6D-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642805
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-SA6D-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30522.2 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

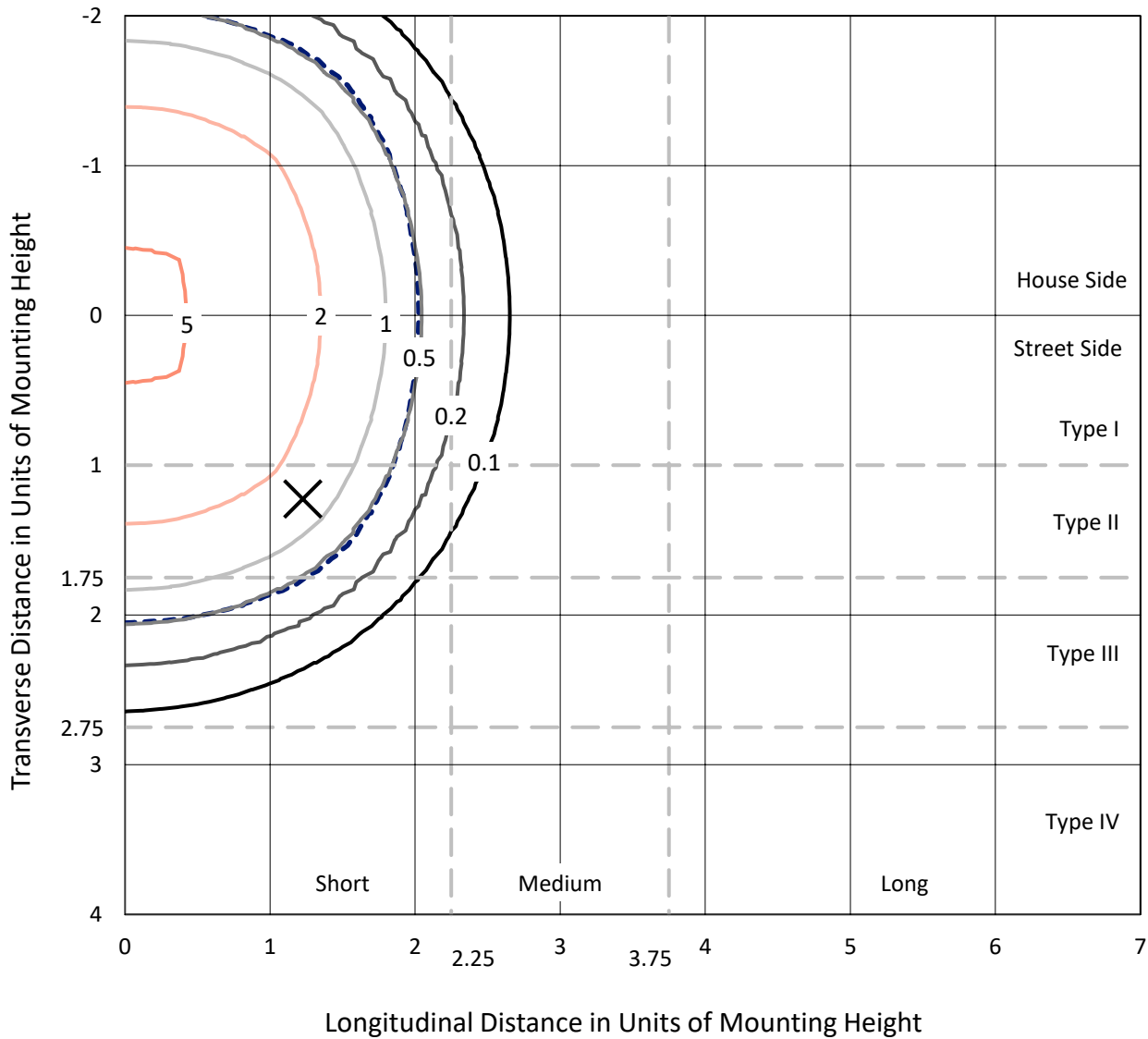
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

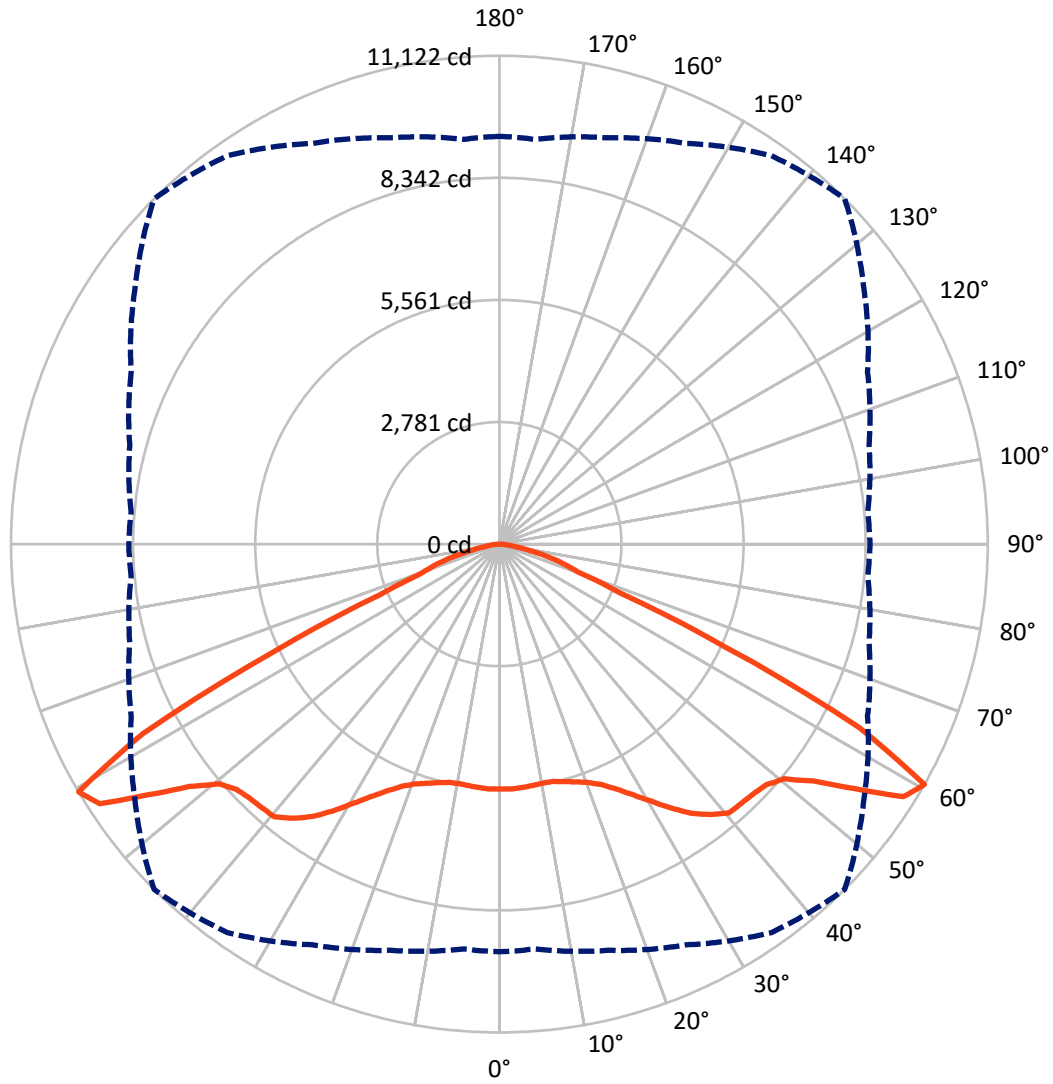
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.2 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	15261.1	0.0	15261.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15261.1	0.0	15261.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	30522.2	0.0	30522.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.0	1.7
10°-20°	1591.1	5.2
20°-30°	2814.9	9.2
30°-40°	4532.1	14.8
40°-50°	6229.3	20.4
50°-60°	8301.1	27.2
60°-70°	5173.6	17.0
70°-80°	1189.7	3.9
80°-90°	161.4	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°	30522.2	100.0
0°-180°	30522.2	100.0

Coefficient of Utilization



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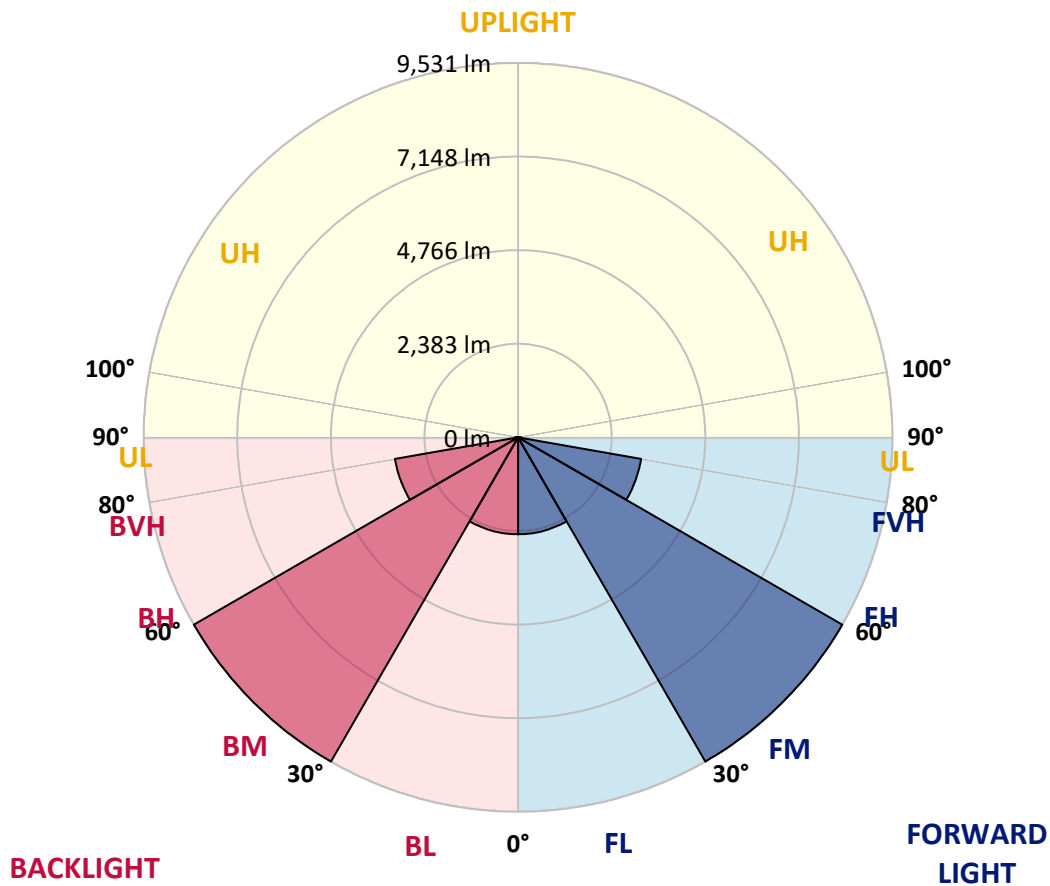
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2467.5	8.1			
FM (30°-60°)	9531.2	31.2			
FH (60°-80°)	3181.7	10.4			G2/5000
FVH (80°-90°)	80.7	0.3			G1/100
BL (0°-30°)	2467.5	8.1	B3/2500		
BM (30°-60°)	9531.2	31.2	B5		
BH (60°-80°)	3181.7	10.4	B4/5000		G2/5000
BVH (80°-90°)	80.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5577.9	5577.9	5577.9	5577.9	5577.9	5577.9	5577.9	5577.9	5577.9	5577.9	5577.9
2.5°	5539.0	5544.2	5554.6	5562.3	5572.7	5583.1	5588.3	5577.9	5572.7	5552.0	5575.3
5°	5544.2	5549.4	5557.2	5557.2	5559.8	5567.5	5567.5	5554.6	5541.6	5518.3	5544.2
7.5°	5536.4	5541.6	5544.2	5541.6	5544.2	5546.8	5541.6	5526.1	5513.1	5492.4	5513.1
10°	5523.5	5528.7	5533.8	5528.7	5523.5	5531.3	5531.3	5520.9	5513.1	5492.4	5515.7
12.5°	5552.0	5559.8	5562.3	5549.4	5544.2	5546.8	5546.8	5536.4	5536.4	5518.3	5544.2
15°	5619.3	5624.5	5616.7	5601.2	5603.8	5611.6	5593.4	5567.5	5562.3	5554.6	5575.3
17.5°	5671.2	5676.3	5668.6	5658.2	5676.3	5694.5	5660.8	5611.6	5596.0	5590.8	5614.2
20°	5728.2	5735.9	5725.6	5738.5	5774.8	5795.5	5754.1	5686.7	5655.6	5647.8	5676.3
22.5°	5821.4	5831.8	5831.8	5860.3	5914.7	5948.4	5896.6	5805.9	5759.2	5746.3	5774.8
25°	5969.1	5976.9	5984.6	6041.6	6129.7	6176.4	6093.4	5969.1	5904.3	5883.6	5899.1
27.5°	6173.8	6186.7	6199.7	6282.6	6391.4	6458.7	6339.6	6184.1	6103.8	6062.4	6093.4
30°	6417.3	6435.4	6466.5	6559.8	6712.6	6787.8	6634.9	6445.8	6355.1	6311.1	6352.5
32.5°	6748.9	6751.5	6774.8	6878.4	7080.5	7166.0	6974.3	6764.5	6671.2	6619.4	6642.7
35°	7142.7	7145.3	7109.0	7215.2	7432.9	7528.7	7303.3	7090.9	7013.2	6997.6	7057.2
37.5°	7546.9	7523.5	7487.3	7533.9	7754.1	7816.3	7577.9	7396.6	7362.9	7391.4	7479.5
40°	7834.4	7795.6	7723.0	7756.7	7979.5	8052.1	7798.2	7627.2	7616.8	7686.8	7793.0
42.5°	8021.0	7979.5	7894.0	7894.0	8046.9	8078.0	7881.1	7790.4	7813.7	7894.0	7995.1
45°	8111.6	8088.3	8039.1	8013.2	8098.7	8111.6	7961.4	7925.1	7969.2	8008.0	8085.7
47.5°	8181.6	8181.6	8166.0	8140.1	8179.0	8186.8	8075.4	8065.0	8122.0	8122.0	8173.8
50°	8305.9	8318.9	8339.6	8334.4	8375.9	8401.8	8318.9	8303.4	8326.7	8251.5	8277.5
52.5°	8632.4	8666.1	8725.7	8772.3	8878.5	8958.8	8811.1	8686.8	8565.0	8399.2	8404.4
55°	9217.9	9233.4	9350.0	9487.3	9666.1	9829.3	9526.2	9140.2	8875.9	8681.6	8684.2
57.5°	9712.7	9736.0	9907.0	10194.6	10596.2	10850.1	10179.1	9534.0	9160.9	8922.5	8930.3
60°	9285.3	9254.2	9578.0	10070.3	10798.3	11122.1	10132.4	9251.6	8715.3	8419.9	8440.7
62.5°	7184.2	7124.6	7484.7	8000.2	8873.3	9197.2	8285.2	7440.6	6932.9	6702.3	6668.6
65°	4373.2	4318.8	4577.9	4893.9	5484.6	5689.3	5272.2	4824.0	4381.0	4241.1	4202.2
67.5°	2380.9	2373.1	2443.1	2598.5	2857.6	2953.5	2873.1	2660.7	2546.7	2448.3	2448.3
70°	1888.7	1873.1	1860.2	1862.8	1886.1	1899.0	1901.6	1891.2	1904.2	1906.8	1896.4
72.5°	1564.8	1559.6	1533.7	1536.3	1526.0	1520.8	1538.9	1549.3	1570.0	1572.6	1572.6
75°	1134.7	1121.8	1134.7	1137.3	1127.0	1127.0	1139.9	1137.3	1147.7	1152.9	1124.4
77.5°	645.1	645.1	663.2	684.0	699.5	699.5	712.5	712.5	725.4	722.8	717.6
80°	354.9	354.9	365.3	378.2	393.8	409.3	422.3	424.9	432.7	430.1	422.3
82.5°	202.1	204.7	209.9	217.6	233.2	246.1	259.1	261.7	269.4	269.4	261.7
85°	95.9	93.3	95.9	101.0	108.8	119.2	132.1	139.9	145.1	145.1	139.9
87.5°	18.1	20.7	18.1	20.7	23.3	31.1	36.3	41.5	49.2	51.8	46.6
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)