

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: P642695

Luminaire Tested: GWS-SA6D-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642695
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-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: 30253.1 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

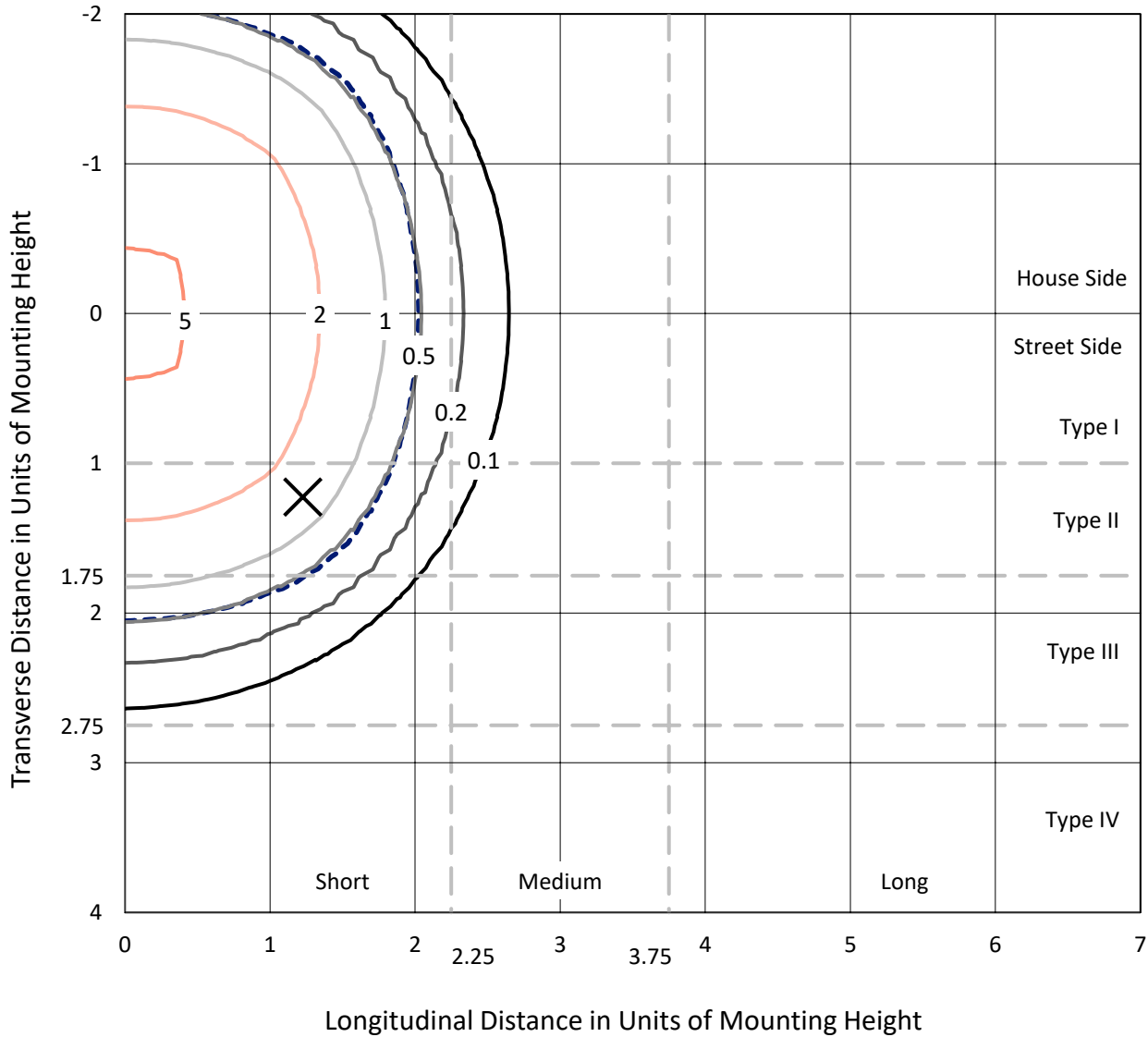
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

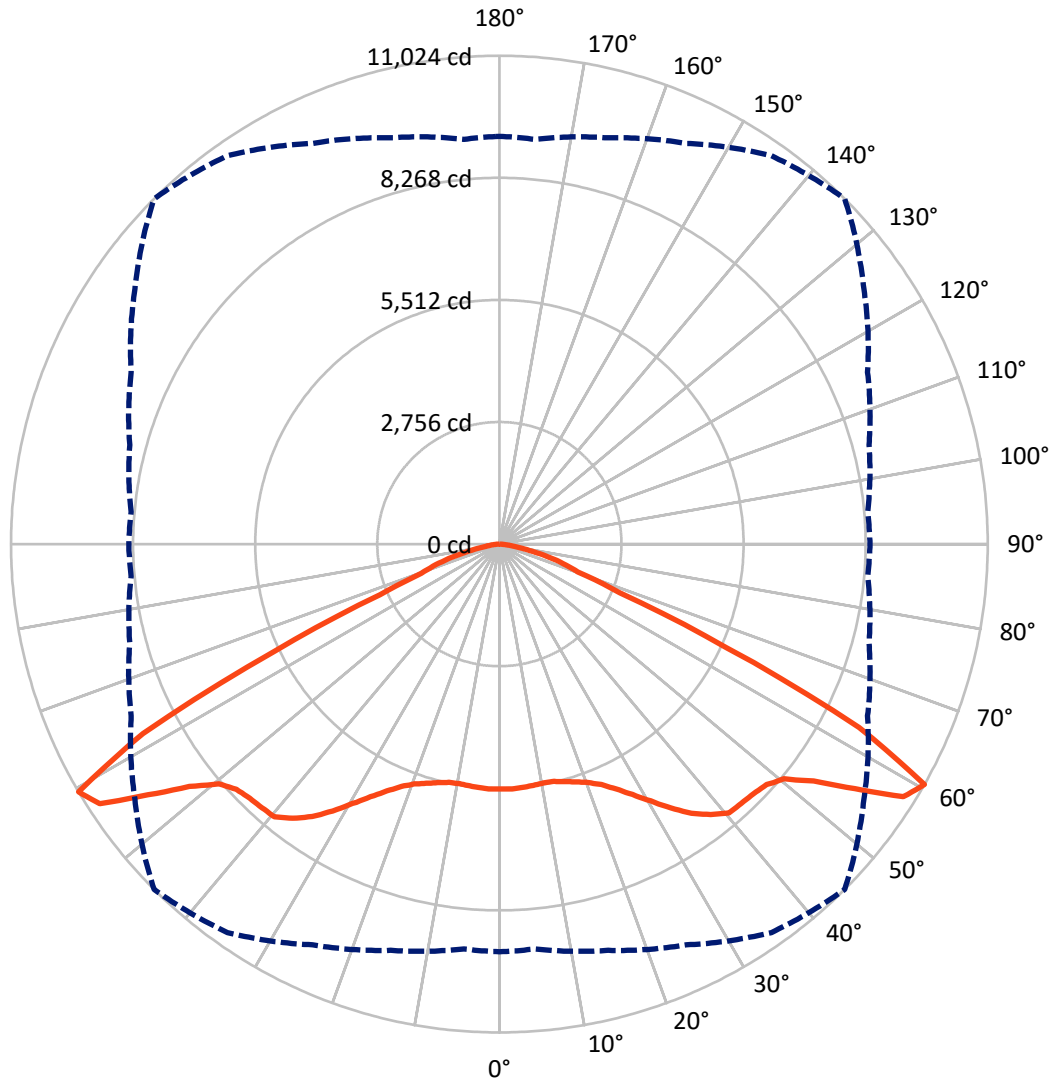
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.1 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	15126.6	0.0	15126.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15126.6	0.0	15126.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	30253.1	0.0	30253.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.3	1.7
10°-20°	1577.1	5.2
20°-30°	2790.1	9.2
30°-40°	4492.1	14.8
40°-50°	6174.3	20.4
50°-60°	8227.9	27.2
60°-70°	5128.0	17.0
70°-80°	1179.2	3.9
80°-90°	160.0	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°	30253.1	100.0
0°-180°	30253.1	100.0

Coefficient of Utilization



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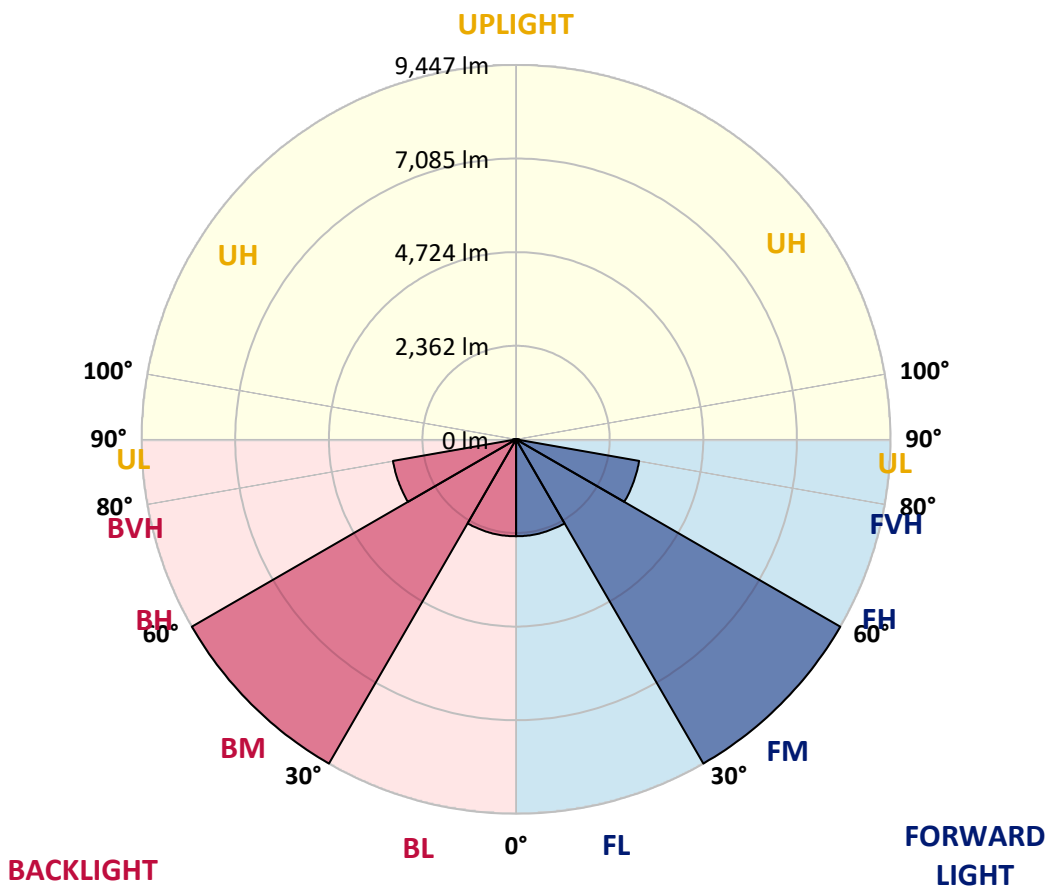
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2445.7	8.1			
FM (30°-60°)	9447.2	31.2			
FH (60°-80°)	3153.6	10.4			G2/5000
FVH (80°-90°)	80.0	0.3			G1/100
BL (0°-30°)	2445.7	8.1	B3/2500		
BM (30°-60°)	9447.2	31.2	B5		
BH (60°-80°)	3153.6	10.4	B4/5000		G2/5000
BVH (80°-90°)	80.0	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°	5528.7	5528.7	5528.7	5528.7	5528.7	5528.7	5528.7	5528.7	5528.7	5528.7	5528.7
2.5°	5490.2	5495.3	5505.6	5513.3	5523.6	5533.8	5539.0	5528.7	5523.6	5503.0	5526.1
5°	5495.3	5500.5	5508.2	5508.2	5510.7	5518.4	5518.4	5505.6	5492.8	5469.6	5495.3
7.5°	5487.6	5492.8	5495.3	5492.8	5495.3	5497.9	5492.8	5477.4	5464.5	5444.0	5464.5
10°	5474.8	5479.9	5485.1	5479.9	5474.8	5482.5	5482.5	5472.2	5464.5	5444.0	5467.1
12.5°	5503.0	5510.7	5513.3	5500.5	5495.3	5497.9	5497.9	5487.6	5487.6	5469.6	5495.3
15°	5569.8	5574.9	5567.2	5551.8	5554.4	5562.1	5544.1	5518.4	5513.3	5505.6	5526.1
17.5°	5621.2	5626.3	5618.6	5608.3	5626.3	5644.3	5610.9	5562.1	5546.7	5541.6	5564.7
20°	5677.6	5685.4	5675.1	5687.9	5723.9	5744.4	5703.3	5636.6	5605.7	5598.0	5626.3
22.5°	5770.1	5780.4	5780.4	5808.6	5862.5	5895.9	5844.6	5754.7	5708.5	5695.6	5723.9
25°	5916.5	5924.2	5931.9	5988.4	6075.7	6121.9	6039.7	5916.5	5852.3	5831.7	5847.1
27.5°	6119.3	6132.2	6145.0	6227.2	6335.0	6401.8	6283.7	6129.6	6050.0	6008.9	6039.7
30°	6360.7	6378.7	6409.5	6501.9	6653.5	6727.9	6576.4	6389.0	6299.1	6255.4	6296.5
32.5°	6689.4	6692.0	6715.1	6817.8	7018.1	7102.8	6912.8	6704.8	6612.4	6561.0	6584.1
35°	7079.7	7082.3	7046.3	7151.6	7367.3	7462.3	7238.9	7028.4	6951.3	6935.9	6995.0
37.5°	7480.3	7457.2	7421.3	7467.5	7685.8	7747.4	7511.1	7331.4	7298.0	7326.2	7413.6
40°	7765.4	7726.8	7654.9	7688.3	7909.2	7981.1	7729.4	7559.9	7549.7	7619.0	7724.3
42.5°	7950.3	7909.2	7824.4	7824.4	7975.9	8006.7	7811.6	7721.7	7744.8	7824.4	7924.6
45°	8040.1	8017.0	7968.2	7942.5	8027.3	8040.1	7891.2	7855.2	7898.9	7937.4	8014.4
47.5°	8109.5	8109.5	8094.1	8068.4	8106.9	8114.6	8004.2	7993.9	8050.4	8050.4	8101.8
50°	8232.7	8245.6	8266.1	8261.0	8302.1	8327.7	8245.6	8230.2	8253.3	8178.8	8204.5
52.5°	8556.3	8589.7	8648.7	8694.9	8800.2	8879.8	8733.5	8610.2	8489.5	8325.2	8330.3
55°	9136.6	9152.0	9267.6	9403.7	9580.9	9742.7	9442.2	9059.6	8797.7	8605.1	8607.6
57.5°	9627.1	9650.2	9819.7	10104.7	10502.8	10754.4	10089.3	9449.9	9080.1	8843.9	8851.6
60°	9203.4	9172.6	9493.6	9981.5	10703.0	11024.0	10043.1	9170.0	8638.5	8345.7	8366.3
62.5°	7120.8	7061.8	7418.7	7929.7	8795.1	9116.1	8212.2	7375.0	6871.7	6643.2	6609.8
65°	4334.6	4280.7	4537.5	4850.8	5436.3	5639.1	5225.7	4781.4	4342.3	4203.7	4165.2
67.5°	2359.9	2352.2	2421.5	2575.6	2832.4	2927.4	2847.8	2637.2	2524.3	2426.7	2426.7
70°	1872.0	1856.6	1843.8	1846.3	1869.4	1882.3	1884.8	1874.6	1887.4	1890.0	1879.7
72.5°	1551.0	1545.9	1520.2	1522.8	1512.5	1507.4	1525.3	1535.6	1556.2	1558.7	1558.7
75°	1124.7	1111.9	1124.7	1127.3	1117.0	1117.0	1129.9	1127.3	1137.6	1142.7	1114.5
77.5°	639.4	639.4	657.4	677.9	693.3	693.3	706.2	706.2	719.0	716.4	711.3
80°	351.8	351.8	362.1	374.9	390.3	405.7	418.6	421.1	428.8	426.3	418.6
82.5°	200.3	202.9	208.0	215.7	231.1	244.0	256.8	259.4	267.1	267.1	259.4
85°	95.0	92.4	95.0	100.1	107.9	118.1	131.0	138.7	143.8	143.8	138.7
87.5°	18.0	20.5	18.0	20.5	23.1	30.8	36.0	41.1	48.8	51.4	46.2
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)