

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: P642689

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642689
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-740-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 31365 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

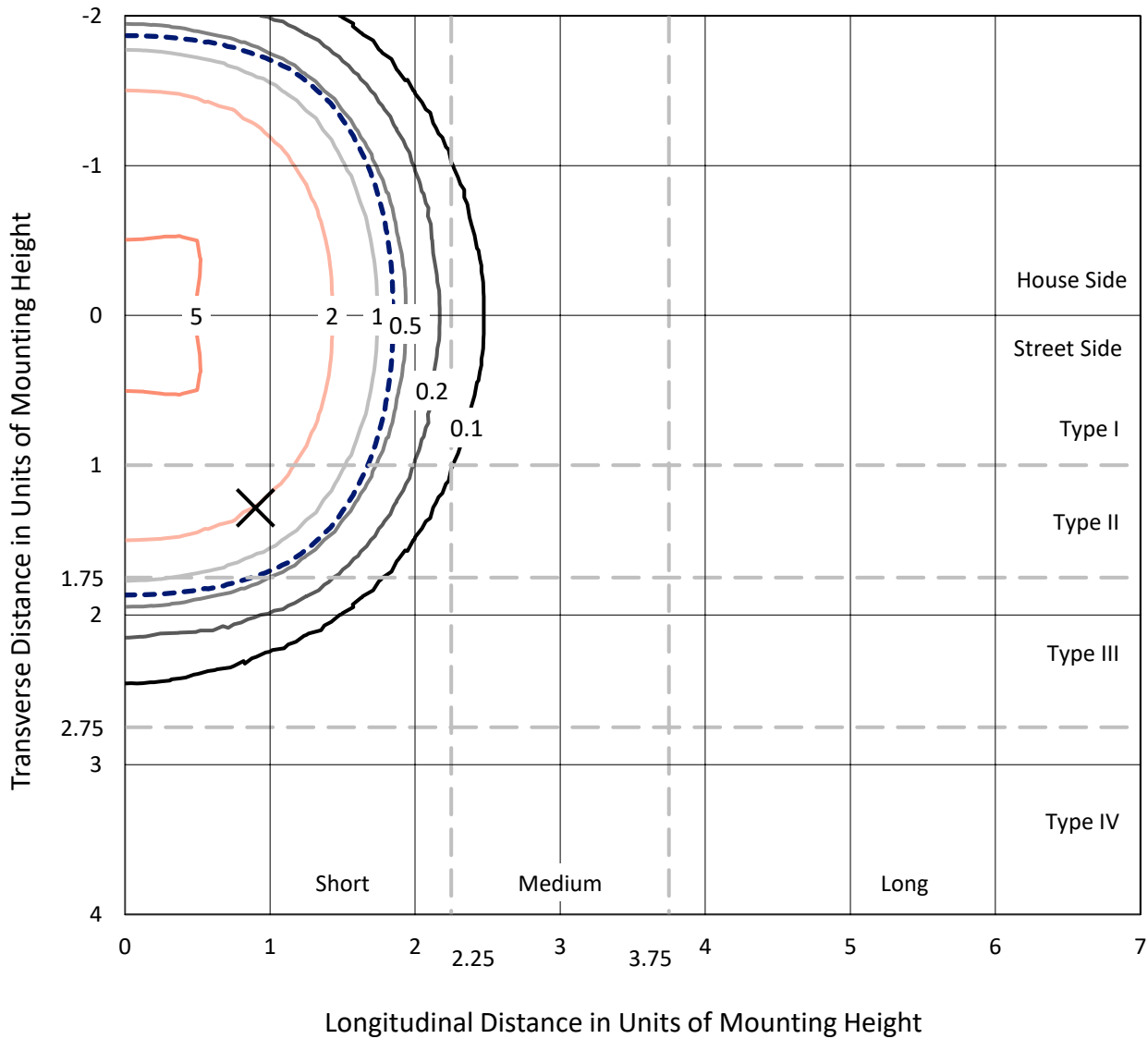
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

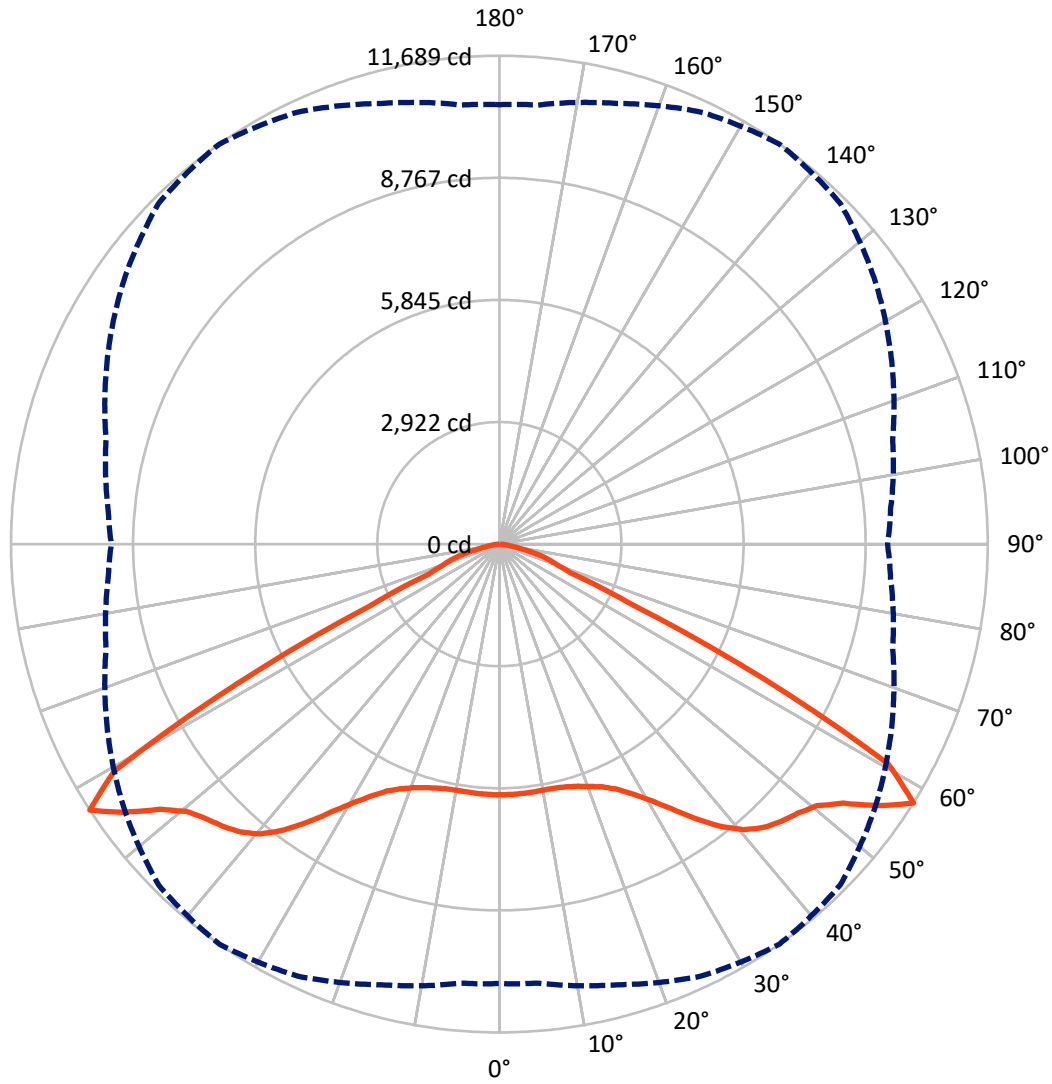
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15682.5	0.0	15682.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15682.5	0.0	15682.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31365.0	0.0	31365.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.9	1.8
10°-20°	1703.4	5.4
20°-30°	2972.0	9.5
30°-40°	4873.5	15.5
40°-50°	7177.5	22.9
50°-60°	9159.7	29.2
60°-70°	3860.3	12.3
70°-80°	922.1	2.9
80°-90°	125.5	0.4
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°	31365.0	100.0
0°-180°	31365.0	100.0

Coefficient of Utilization



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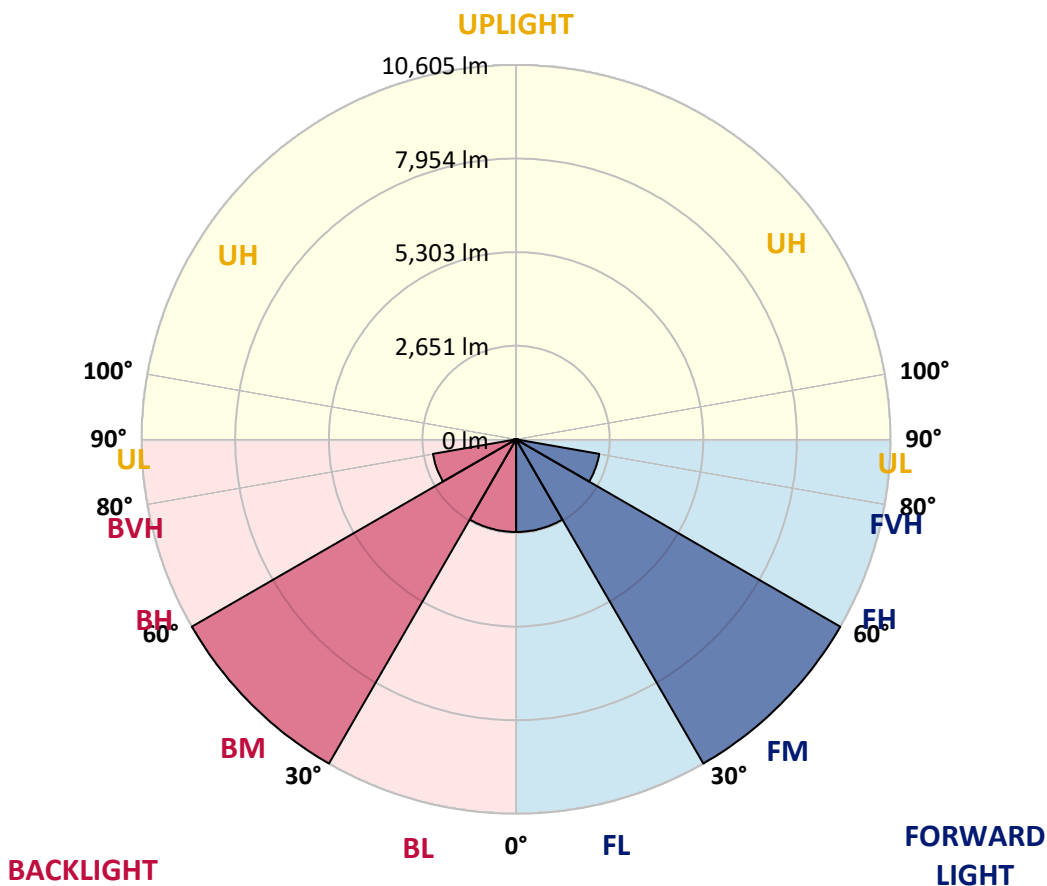
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2623.2	8.4			
FM (30°-60°)	10605.4	33.8			
FH (60°-80°)	2391.2	7.6			G2/5000
FVH (80°-90°)	62.8	0.2			G1/100
BL (0°-30°)	2623.2	8.4	B4/5000		
BM (30°-60°)	10605.4	33.8	B5		
BH (60°-80°)	2391.2	7.6	B3/2500		G2/5000
BVH (80°-90°)	62.8	0.2			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°	6001.3	6001.3	6001.3	6001.3	6001.3	6001.3	6001.3	6001.3	6001.3	6001.3	6001.3
2.5°	5965.4	5965.4	5978.2	5991.1	5996.2	6019.3	6016.7	6009.0	6003.9	5988.5	6009.0
5°	5978.2	5978.2	5988.5	5996.2	5993.6	6011.6	6003.9	5991.1	5983.4	5968.0	5991.1
7.5°	5975.7	5975.7	5983.4	5991.1	5985.9	6001.3	5988.5	5970.5	5957.7	5942.3	5962.8
10°	5942.3	5947.4	5955.1	5973.1	5980.8	6003.9	5985.9	5957.7	5937.1	5919.2	5939.7
12.5°	5937.1	5942.3	5952.5	5975.7	5988.5	6021.9	5998.8	5952.5	5921.7	5898.6	5919.2
15°	5960.2	5965.4	5980.8	6009.0	6029.6	6065.5	6032.1	5968.0	5924.3	5893.5	5911.5
17.5°	5988.5	5996.2	6019.3	6060.4	6093.8	6132.3	6091.2	6014.2	5952.5	5911.5	5926.9
20°	6019.3	6029.6	6065.5	6127.2	6188.8	6237.6	6186.2	6083.5	6009.0	5955.1	5970.5
22.5°	6073.2	6086.1	6132.3	6219.6	6312.1	6384.0	6319.8	6181.1	6083.5	6014.2	6027.0
25°	6183.7	6199.1	6258.1	6363.4	6494.4	6581.7	6491.8	6335.2	6199.1	6114.3	6127.2
27.5°	6378.8	6386.5	6463.6	6602.2	6764.0	6864.2	6756.3	6571.4	6419.9	6322.3	6332.6
30°	6635.6	6658.7	6735.8	6918.1	7110.7	7244.2	7103.0	6884.7	6710.1	6592.0	6602.2
32.5°	6948.9	6964.3	7079.9	7269.9	7547.2	7701.3	7508.7	7249.4	7038.8	6895.0	6905.3
35°	7359.8	7372.6	7483.0	7724.4	8060.8	8204.6	7983.8	7685.9	7442.0	7305.9	7344.4
37.5°	7850.3	7873.4	7953.0	8191.8	8566.7	8708.0	8453.7	8176.4	7922.2	7796.3	7824.6
40°	8376.7	8374.1	8438.3	8648.9	8990.4	9077.8	8849.2	8628.4	8410.1	8327.9	8374.1
42.5°	8828.7	8815.8	8862.0	9036.7	9272.9	9280.6	9129.1	9005.9	8851.8	8795.3	8838.9
45°	9144.5	9149.7	9219.0	9339.7	9460.4	9396.2	9350.0	9329.4	9208.7	9131.7	9139.4
47.5°	9393.6	9414.2	9524.6	9606.8	9622.2	9514.3	9578.5	9609.3	9509.2	9391.0	9357.7
50°	9614.5	9647.8	9791.6	9879.0	9845.6	9709.5	9835.3	9881.5	9660.7	9434.7	9367.9
52.5°	10015.1	10053.6	10228.2	10341.2	10302.7	10166.6	10284.7	10120.3	9748.0	9470.7	9385.9
55°	10654.5	10672.5	10885.6	11070.5	11052.5	10885.6	10790.6	10425.9	9974.0	9686.4	9606.8
57.5°	10518.4	10549.2	10919.0	11412.0	11689.4	11537.9	10980.6	10359.2	9745.4	9398.8	9290.9
60°	8276.6	8351.0	8810.7	9678.7	10695.6	10693.0	9658.1	8692.6	7953.0	7493.3	7447.1
62.5°	4832.9	4884.3	5302.8	6181.1	7092.7	7149.2	6422.5	5759.9	5112.8	4802.1	4653.2
65°	2288.1	2285.5	2452.4	2847.9	3464.2	3513.0	3294.7	2932.6	2550.0	2444.7	2416.5
67.5°	1689.7	1689.7	1676.9	1705.1	1823.3	1848.9	1823.3	1764.2	1728.2	1751.4	1735.9
70°	1466.3	1468.9	1453.5	1445.8	1445.8	1438.1	1448.3	1471.4	1486.9	1517.7	1502.3
72.5°	1189.0	1191.5	1191.5	1194.1	1196.7	1186.4	1201.8	1214.6	1217.2	1227.5	1217.2
75°	844.9	850.0	865.4	878.2	888.5	888.5	893.7	896.2	885.9	898.8	878.2
77.5°	464.8	469.9	498.2	521.3	544.4	547.0	554.7	559.8	554.7	565.0	549.5
80°	256.8	261.9	274.8	285.0	303.0	318.4	328.7	333.8	333.8	341.5	333.8
82.5°	146.4	151.5	159.2	164.3	179.8	192.6	202.9	210.6	210.6	213.1	208.0
85°	69.3	69.3	74.5	79.6	87.3	92.4	105.3	113.0	113.0	118.1	113.0
87.5°	10.3	12.8	15.4	15.4	20.5	25.7	30.8	33.4	38.5	41.1	41.1
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)