

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: P642634

Luminaire Tested: GWS-SA6D-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642634
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30935.1 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

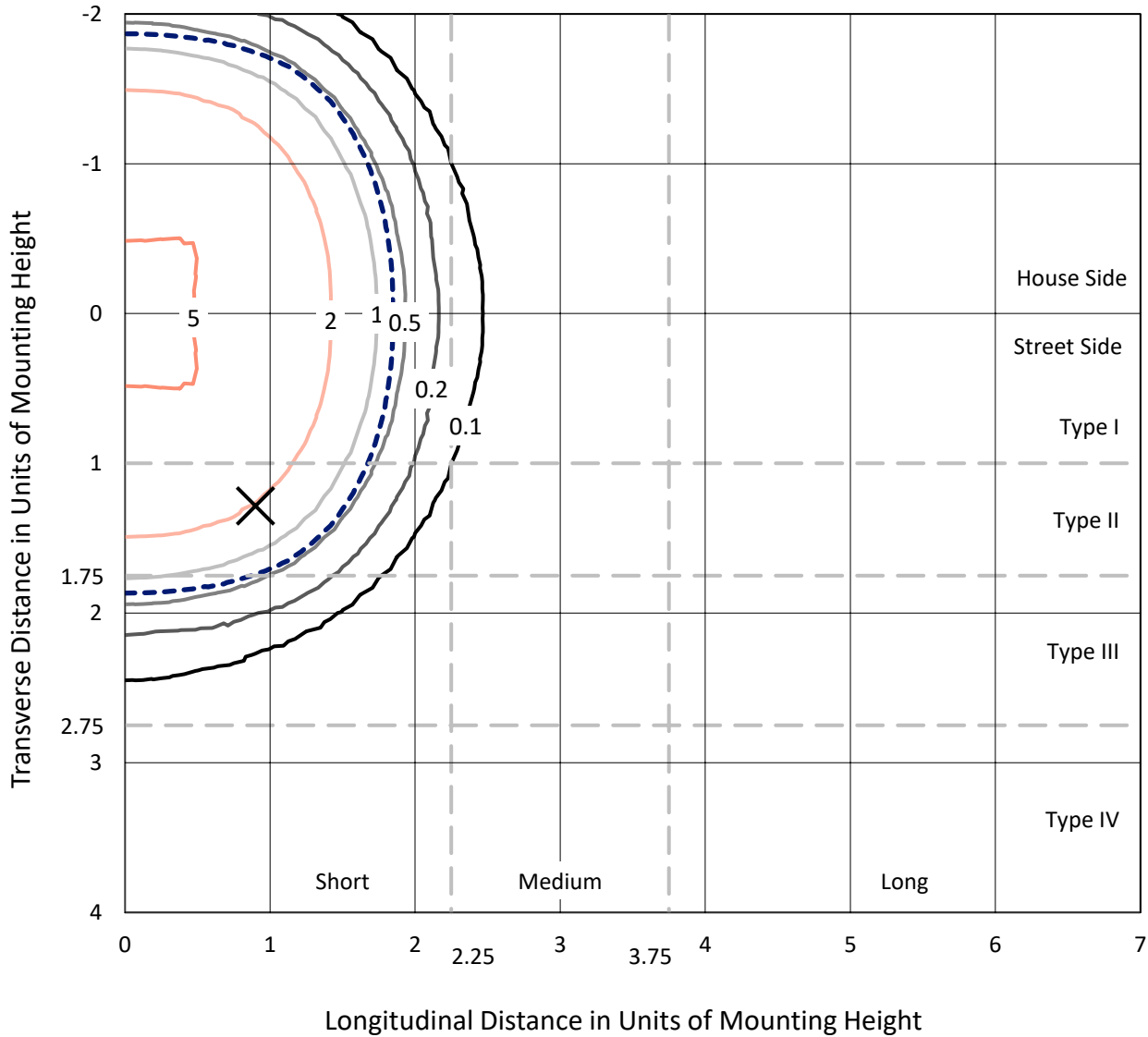
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

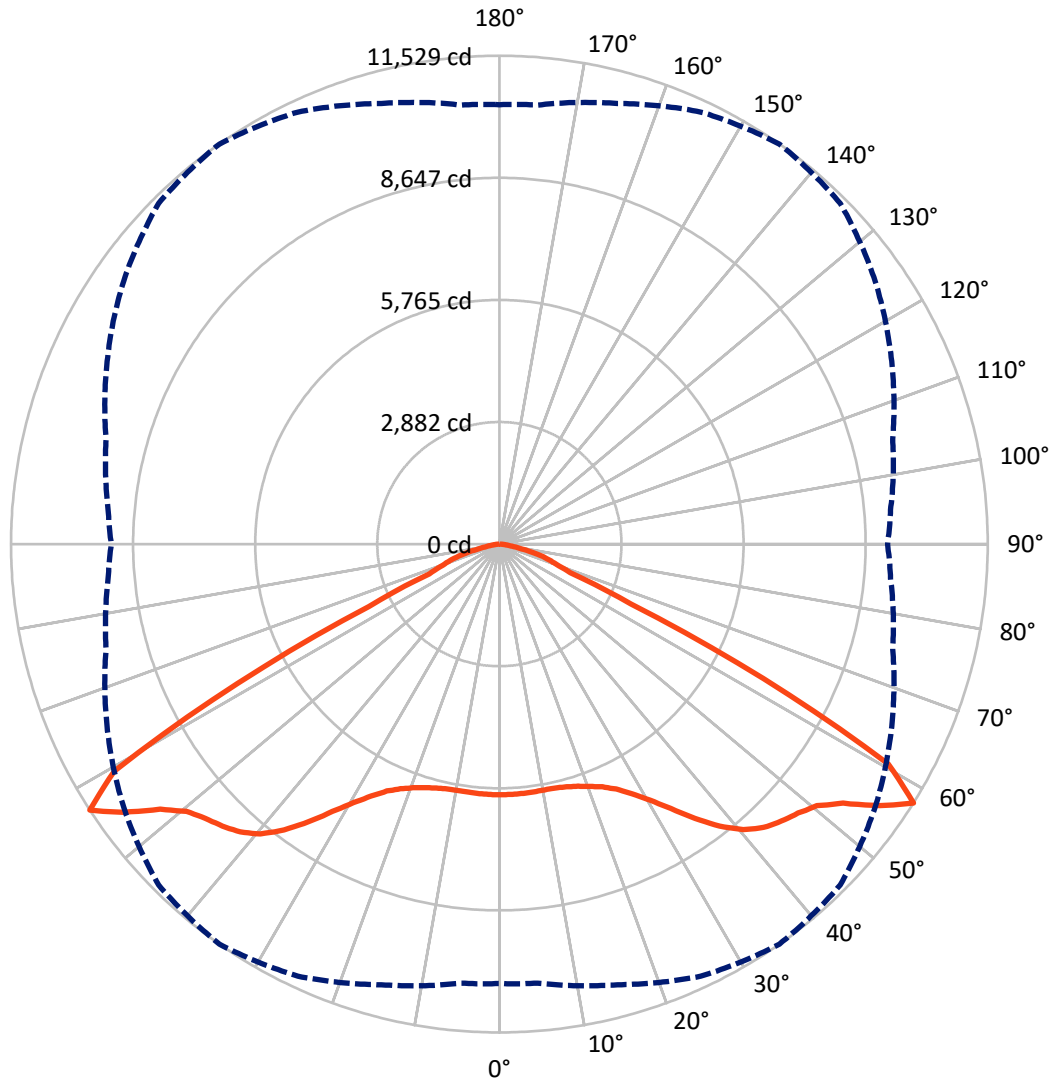
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.6 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	15467.5	0.0	15467.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15467.5	0.0	15467.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30935.1	0.0	30935.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.1	1.8
10°-20°	1680.0	5.4
20°-30°	2931.3	9.5
30°-40°	4806.7	15.5
40°-50°	7079.1	22.9
50°-60°	9034.2	29.2
60°-70°	3807.4	12.3
70°-80°	909.5	2.9
80°-90°	123.8	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°	30935.1	100.0
0°-180°	30935.1	100.0

Coefficient of Utilization



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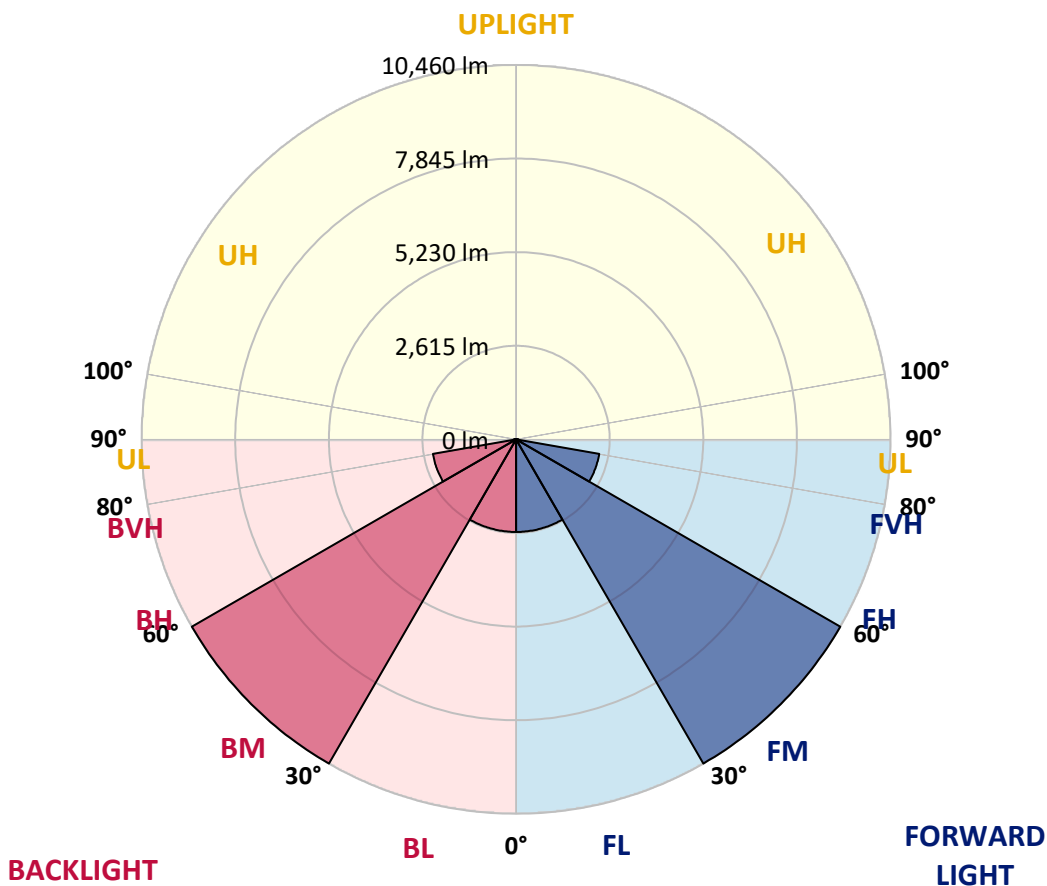
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2587.2	8.4			
FM (30°-60°)	10460.0	33.8			
FH (60°-80°)	2358.5	7.6			G2/5000
FVH (80°-90°)	61.9	0.2			G1/100
BL (0°-30°)	2587.2	8.4	B4/5000		
BM (30°-60°)	10460.0	33.8	B5		
BH (60°-80°)	2358.5	7.6	B3/2500		G2/5000
BVH (80°-90°)	61.9	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°	5919.1	5919.1	5919.1	5919.1	5919.1	5919.1	5919.1	5919.1	5919.1	5919.1	5919.1
2.5°	5883.6	5883.6	5896.3	5908.9	5914.0	5936.8	5934.3	5926.7	5921.6	5906.4	5926.7
5°	5896.3	5896.3	5906.4	5914.0	5911.5	5929.2	5921.6	5908.9	5901.3	5886.2	5908.9
7.5°	5893.7	5893.7	5901.3	5908.9	5903.9	5919.1	5906.4	5888.7	5876.0	5860.8	5881.1
10°	5860.8	5865.9	5873.5	5891.2	5898.8	5921.6	5903.9	5876.0	5855.8	5838.0	5858.3
12.5°	5855.8	5860.8	5871.0	5893.7	5906.4	5939.3	5916.5	5871.0	5840.6	5817.8	5838.0
15°	5878.6	5883.6	5898.8	5926.7	5946.9	5982.4	5949.5	5886.2	5843.1	5812.7	5830.4
17.5°	5906.4	5914.0	5936.8	5977.3	6010.3	6048.2	6007.7	5931.7	5871.0	5830.4	5845.6
20°	5936.8	5946.9	5982.4	6043.2	6104.0	6152.1	6101.4	6000.1	5926.7	5873.5	5888.7
22.5°	5990.0	6002.7	6048.2	6134.4	6225.5	6296.5	6233.1	6096.4	6000.1	5931.7	5944.4
25°	6098.9	6114.1	6172.4	6276.2	6405.4	6491.5	6402.8	6248.3	6114.1	6030.5	6043.2
27.5°	6291.4	6299.0	6375.0	6511.7	6671.3	6770.1	6663.7	6481.4	6331.9	6235.7	6245.8
30°	6544.7	6567.5	6643.4	6823.3	7013.2	7144.9	7005.6	6790.3	6618.1	6501.6	6511.7
32.5°	6853.7	6868.9	6982.8	7170.3	7443.8	7595.8	7405.8	7150.0	6942.3	6800.5	6810.6
35°	7258.9	7271.6	7380.5	7618.6	7950.4	8092.2	7874.4	7580.6	7340.0	7205.7	7243.7
37.5°	7742.7	7765.5	7844.0	8079.5	8449.3	8588.6	8337.9	8064.3	7813.6	7689.5	7717.3
40°	8261.9	8259.4	8322.7	8530.4	8867.2	8953.3	8727.9	8510.1	8294.8	8213.8	8259.4
42.5°	8707.7	8695.0	8740.6	8912.8	9145.8	9153.4	9004.0	8882.4	8730.4	8674.7	8717.8
45°	9019.2	9024.3	9092.6	9211.7	9330.7	9267.4	9221.8	9201.5	9082.5	9006.5	9014.1
47.5°	9264.9	9285.1	9394.0	9475.1	9490.3	9383.9	9447.2	9477.6	9378.8	9262.3	9229.4
50°	9482.7	9515.6	9657.4	9743.6	9710.6	9576.4	9700.5	9746.1	9528.3	9305.4	9239.5
52.5°	9877.8	9915.8	10088.0	10199.5	10161.5	10027.2	10143.7	9981.6	9614.4	9340.8	9257.3
55°	10508.5	10526.2	10736.4	10918.8	10901.0	10736.4	10642.7	10283.0	9837.3	9553.6	9475.1
57.5°	10374.2	10404.6	10769.3	11255.6	11529.2	11379.7	10830.1	10217.2	9611.9	9269.9	9163.6
60°	8163.1	8236.6	8689.9	9546.0	10549.0	10546.4	9525.7	8573.4	7844.0	7390.6	7345.0
62.5°	4766.7	4817.3	5230.2	6096.4	6995.5	7051.2	6334.5	5681.0	5042.7	4736.3	4589.4
65°	2256.7	2254.2	2418.8	2808.8	3416.7	3464.8	3249.5	2892.4	2515.0	2411.2	2383.3
67.5°	1666.6	1666.6	1653.9	1681.8	1798.3	1823.6	1798.3	1740.0	1704.6	1727.3	1712.2
70°	1446.2	1448.7	1433.5	1425.9	1425.9	1418.3	1428.5	1451.3	1466.5	1496.9	1481.7
72.5°	1172.7	1175.2	1175.2	1177.7	1180.3	1170.1	1185.3	1198.0	1200.5	1210.7	1200.5
75°	833.3	838.3	853.5	866.2	876.3	876.3	881.4	883.9	873.8	886.5	866.2
77.5°	458.4	463.5	491.4	514.2	536.9	539.5	547.1	552.1	547.1	557.2	542.0
80°	253.3	258.3	271.0	281.1	298.9	314.1	324.2	329.3	329.3	336.9	329.3
82.5°	144.4	149.4	157.0	162.1	177.3	190.0	200.1	207.7	207.7	210.2	205.2
85°	68.4	68.4	73.5	78.5	86.1	91.2	103.8	111.4	111.4	116.5	111.4
87.5°	10.1	12.7	15.2	15.2	20.3	25.3	30.4	32.9	38.0	40.5	40.5
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)