

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: P642637

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 32029.3 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

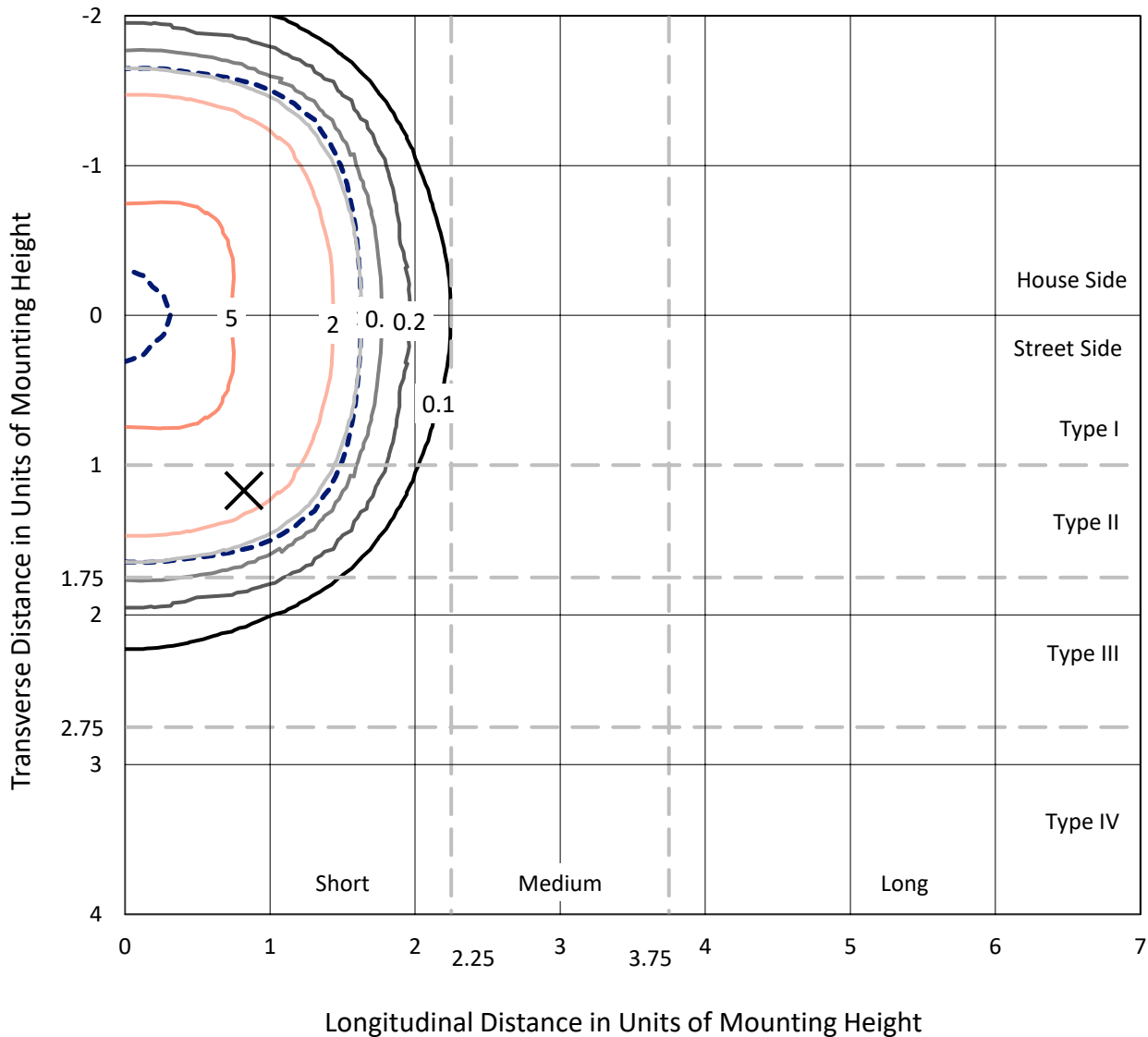
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

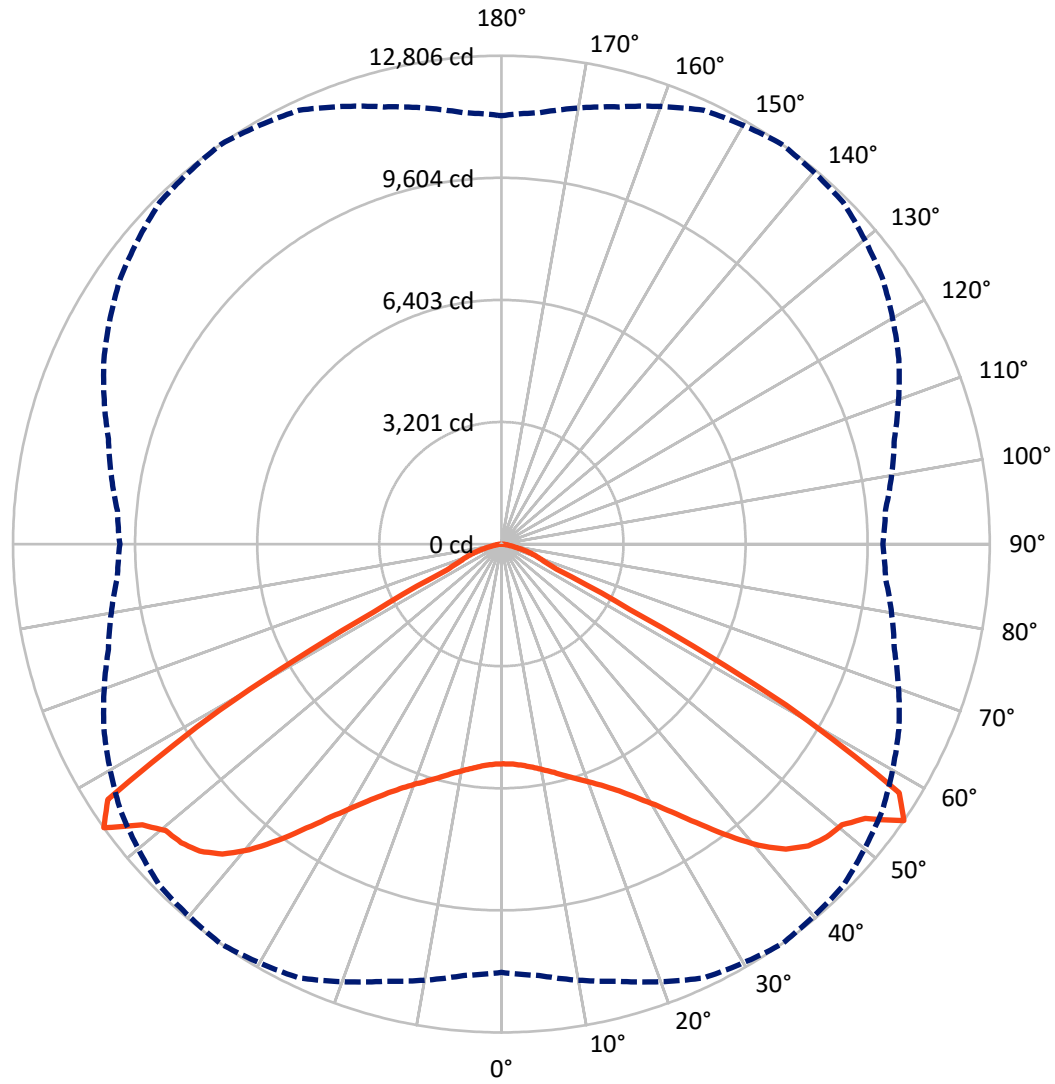
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16014.7	0.0	16014.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16014.7	0.0	16014.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	32029.3	0.0	32029.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	562.0	1.8
10°-20°	1789.4	5.6
20°-30°	3311.8	10.3
30°-40°	5539.9	17.3
40°-50°	8441.9	26.4
50°-60°	9456.7	29.5
60°-70°	2237.6	7.0
70°-80°	603.3	1.9
80°-90°	86.8	0.3
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°	32029.3	100.0
0°-180°	32029.3	100.0

Coefficient of Utilization



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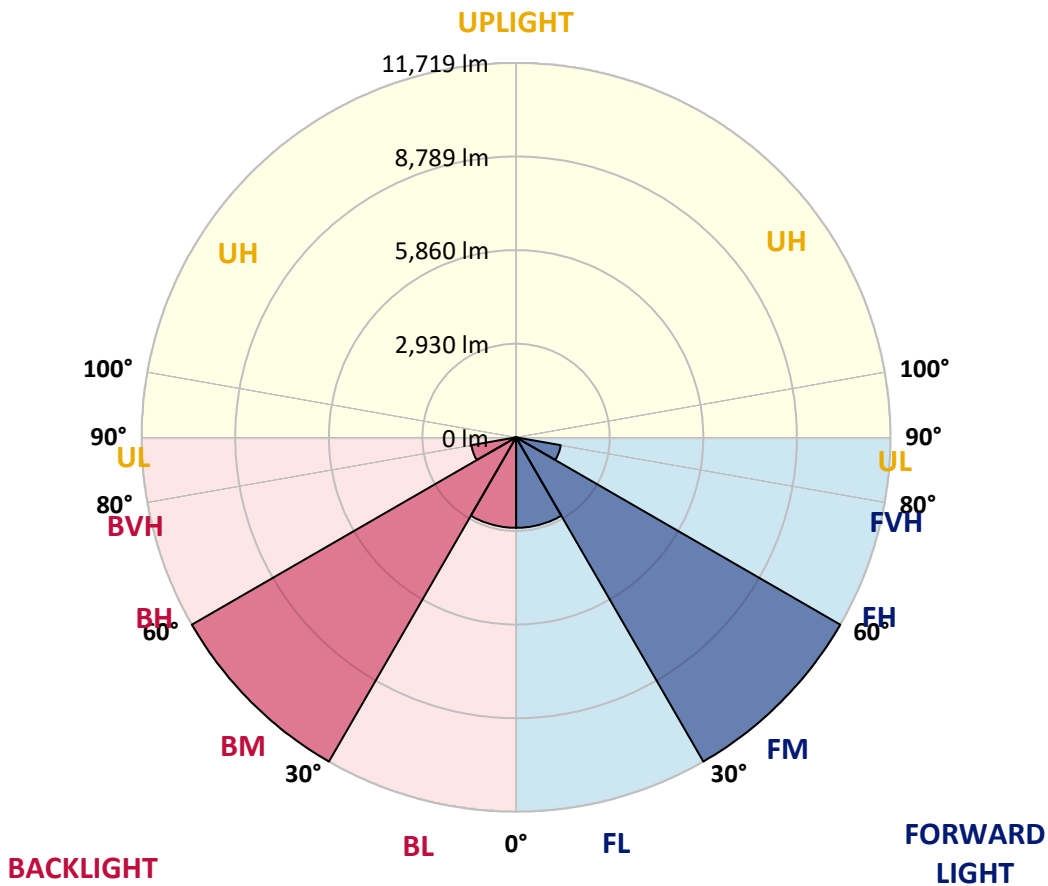
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2831.6	8.8			
FM (30°-60°)	11719.3	36.6			
FH (60°-80°)	1420.4	4.4			G1/1800
FVH (80°-90°)	43.4	0.1			G1/100
BL (0°-30°)	2831.6	8.8	B4/5000		
BM (30°-60°)	11719.3	36.6	B5		
BH (60°-80°)	1420.4	4.4	B3/2500		G1/1800
BVH (80°-90°)	43.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5762.2	5762.2	5762.2	5762.2	5762.2	5762.2	5762.2	5762.2	5762.2	5762.2	5762.2
2.5°	5749.5	5749.5	5759.6	5772.3	5774.8	5800.1	5795.1	5785.0	5779.9	5769.8	5792.6
5°	5812.8	5815.3	5822.9	5830.5	5825.5	5845.7	5838.1	5825.5	5817.9	5805.2	5828.0
7.5°	5896.4	5896.4	5904.0	5914.1	5909.1	5939.5	5924.3	5906.5	5893.9	5878.7	5898.9
10°	5972.4	5977.4	5985.0	6005.3	6015.4	6048.4	6038.2	6012.9	5992.6	5974.9	5997.7
12.5°	6086.4	6091.4	6099.0	6126.9	6144.6	6177.5	6162.3	6126.9	6096.5	6071.2	6096.5
15°	6233.3	6228.2	6248.5	6283.9	6306.7	6337.1	6319.4	6258.6	6218.1	6185.1	6210.5
17.5°	6382.7	6380.2	6400.4	6446.0	6478.9	6519.5	6489.1	6418.2	6375.1	6334.6	6359.9
20°	6544.8	6552.4	6572.7	6615.7	6663.8	6717.0	6691.7	6615.7	6567.6	6522.0	6542.3
22.5°	6744.9	6747.4	6770.2	6825.9	6889.3	6939.9	6924.7	6831.0	6770.2	6722.1	6747.4
25°	6985.5	6983.0	7013.4	7079.2	7167.9	7218.5	7185.6	7081.8	7015.9	6960.2	6980.4
27.5°	7261.6	7259.1	7304.6	7390.8	7517.4	7588.3	7519.9	7390.8	7299.6	7221.1	7238.8
30°	7608.6	7601.0	7651.6	7768.1	7932.8	8051.8	7950.5	7770.7	7651.6	7568.1	7585.8
32.5°	7993.6	8003.7	8067.0	8224.1	8431.7	8586.2	8434.3	8234.2	8074.6	7953.0	7973.3
35°	8416.5	8416.5	8545.7	8740.7	9037.1	9242.2	9006.7	8718.0	8505.2	8338.0	8343.1
37.5°	8887.7	8892.7	9062.4	9330.9	9718.4	9959.0	9639.9	9282.8	9024.4	8844.6	8834.5
40°	9462.6	9477.8	9652.6	9951.4	10387.1	10607.4	10265.5	9916.0	9652.6	9439.8	9419.5
42.5°	10111.0	10116.1	10301.0	10569.4	10936.7	11068.4	10799.9	10513.7	10298.4	10105.9	10085.7
45°	10729.0	10716.3	10875.9	11076.0	11288.8	11301.4	11152.0	11035.5	10848.1	10683.4	10653.0
47.5°	11210.2	11200.1	11344.5	11453.4	11478.7	11354.6	11402.7	11420.5	11202.6	10979.8	10921.5
50°	11504.1	11524.3	11661.1	11721.9	11572.4	11369.8	11552.2	11506.6	11195.0	10903.8	10810.1
52.5°	11681.3	11711.7	11949.8	12104.3	11949.8	11757.3	11782.7	11514.2	11065.9	10680.9	10559.3
55°	11233.0	11354.6	11868.8	12552.6	12805.9	12671.7	12190.4	11499.0	10668.2	10108.5	10004.6
57.5°	8325.4	8517.9	9280.2	10761.9	12301.9	12790.7	11385.0	9639.9	8381.1	7661.8	7601.0
60°	4250.1	4465.4	5075.8	6598.0	8578.6	9267.6	7930.2	6172.5	4906.1	4323.5	4257.7
62.5°	1735.0	1770.4	1970.5	2558.1	3791.6	4374.2	3842.3	2697.4	2026.3	1866.7	1869.2
65°	1365.2	1372.8	1362.7	1398.1	1588.1	1762.8	1628.6	1431.0	1395.6	1413.3	1400.6
67.5°	1190.4	1193.0	1185.4	1185.4	1193.0	1185.4	1200.6	1208.2	1213.2	1233.5	1220.8
70°	995.4	997.9	997.9	1003.0	1000.5	987.8	1010.6	1020.7	1023.3	1035.9	1028.3
72.5°	770.0	777.6	782.6	785.2	782.6	775.0	787.7	805.4	802.9	815.6	802.9
75°	521.8	531.9	537.0	547.1	544.6	544.6	559.8	567.4	559.8	569.9	559.8
77.5°	296.3	303.9	319.1	329.3	339.4	347.0	357.1	362.2	359.7	364.7	359.7
80°	172.2	174.8	187.4	192.5	205.2	217.8	228.0	233.0	235.6	238.1	235.6
82.5°	98.8	101.3	106.4	111.4	121.6	131.7	141.8	149.4	149.4	152.0	149.4
85°	48.1	48.1	50.7	53.2	58.3	65.9	73.5	81.1	83.6	83.6	83.6
87.5°	7.6	7.6	10.1	10.1	12.7	15.2	20.3	25.3	27.9	27.9	27.9
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)