

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: P642744

Luminaire Tested: GWS-SA6D-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642744
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32083.7 lumens
Efficiency: N/A
Efficacy: 130.6 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

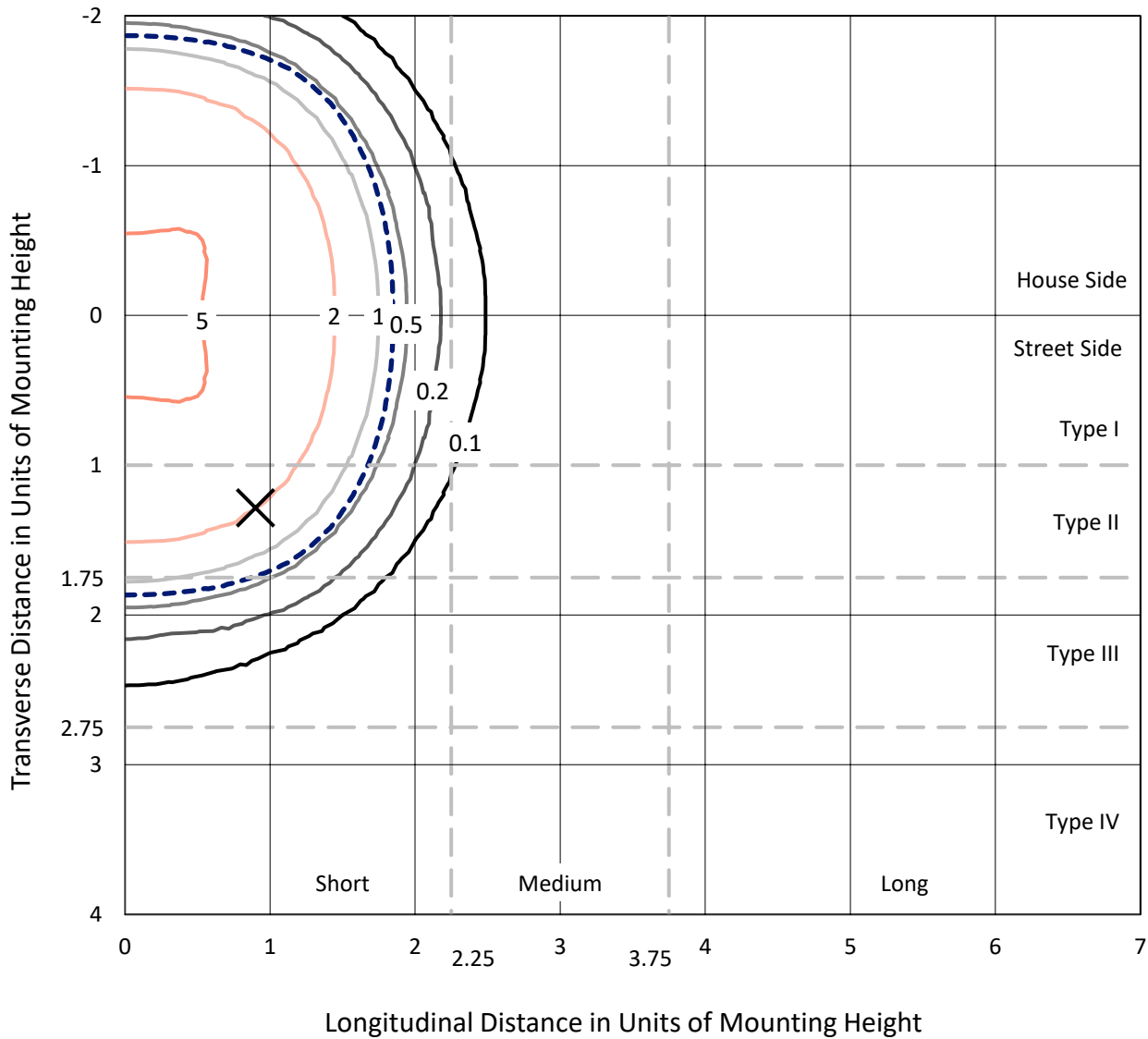


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Iso-Footcandle Lines of Horizontal Illumination

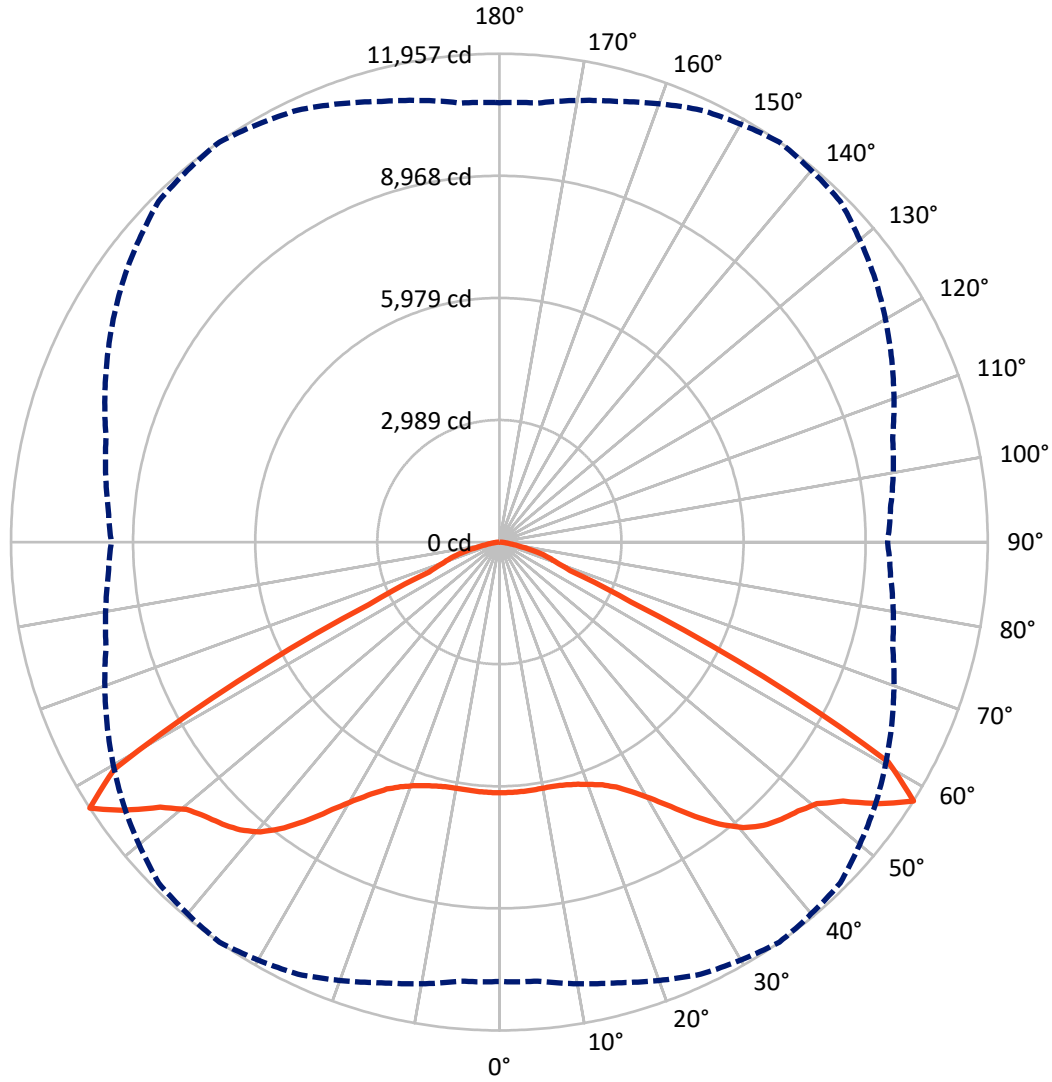
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.8 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	16041.8	0.0	16041.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16041.8	0.0	16041.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	32083.7	0.0	32083.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	584.0	1.8
10°-20°	1742.4	5.4
20°-30°	3040.1	9.5
30°-40°	4985.1	15.5
40°-50°	7342.0	22.9
50°-60°	9369.6	29.2
60°-70°	3948.8	12.3
70°-80°	943.3	2.9
80°-90°	128.4	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°	32083.7	100.0
0°-180°	32083.7	100.0

Coefficient of Utilization



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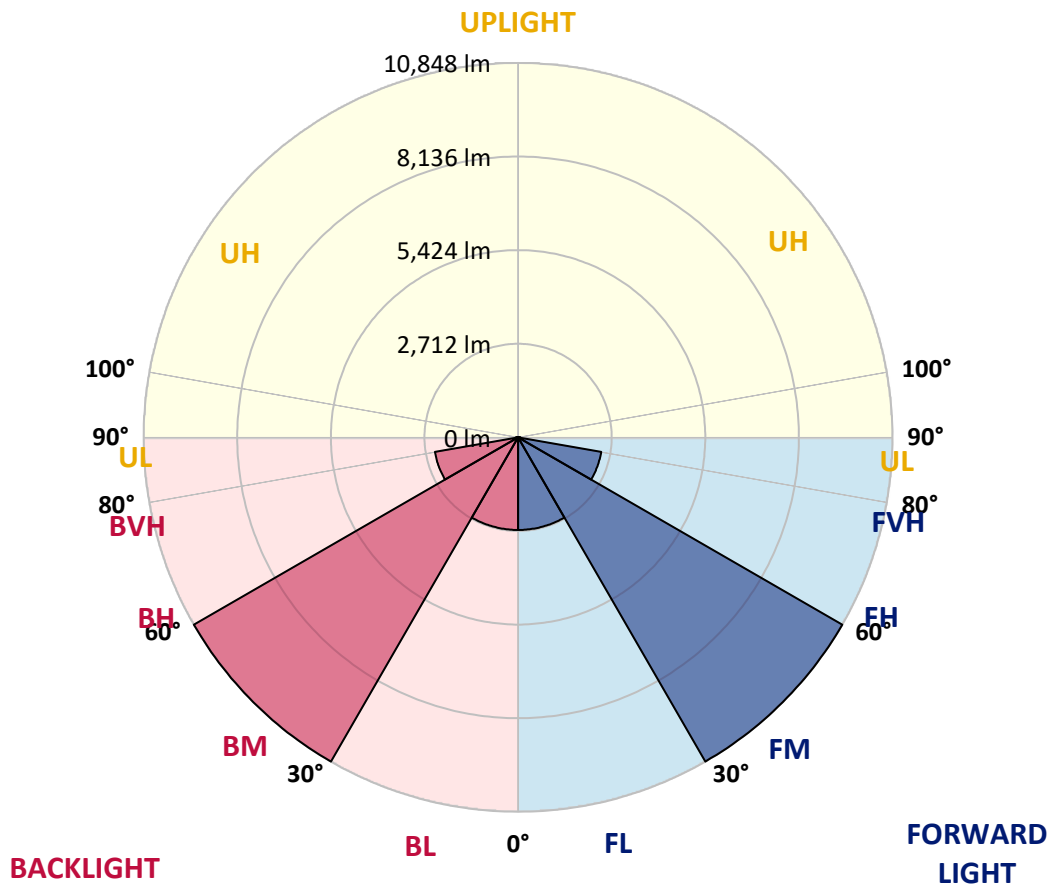
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2683.3	8.4			
FM (30°-60°)	10848.4	33.8			
FH (60°-80°)	2446.0	7.6			G2/5000
FVH (80°-90°)	64.2	0.2			G1/100
BL (0°-30°)	2683.3	8.4	B4/5000		
BM (30°-60°)	10848.4	33.8	B5		
BH (60°-80°)	2446.0	7.6	B3/2500		G2/5000
BVH (80°-90°)	64.2	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°	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8
2.5°	6102.1	6102.1	6115.2	6128.3	6133.6	6157.2	6154.6	6146.7	6141.5	6125.7	6146.7
5°	6115.2	6115.2	6125.7	6133.6	6131.0	6149.4	6141.5	6128.3	6120.5	6104.7	6128.3
7.5°	6112.6	6112.6	6120.5	6128.3	6123.1	6138.8	6125.7	6107.3	6094.2	6078.4	6099.4
10°	6078.4	6083.7	6091.6	6110.0	6117.8	6141.5	6123.1	6094.2	6073.2	6054.8	6075.8
12.5°	6073.2	6078.4	6088.9	6112.6	6125.7	6159.9	6136.2	6088.9	6057.4	6033.8	6054.8
15°	6096.8	6102.1	6117.8	6146.7	6167.7	6204.5	6170.4	6104.7	6060.0	6028.5	6046.9
17.5°	6125.7	6133.6	6157.2	6199.3	6233.4	6272.8	6230.8	6152.0	6088.9	6046.9	6062.7
20°	6157.2	6167.7	6204.5	6267.6	6330.6	6380.5	6328.0	6222.9	6146.7	6091.6	6107.3
22.5°	6212.4	6225.5	6272.8	6362.1	6456.7	6530.2	6464.6	6322.7	6222.9	6152.0	6165.1
25°	6325.4	6341.1	6401.5	6509.2	6643.2	6732.5	6640.6	6480.3	6341.1	6254.4	6267.6
27.5°	6525.0	6532.9	6611.7	6753.5	6919.0	7021.5	6911.1	6722.0	6567.0	6467.2	6477.7
30°	6787.7	6811.3	6890.1	7076.6	7273.6	7410.2	7265.7	7042.5	6863.8	6743.0	6753.5
32.5°	7108.1	7123.9	7242.1	7436.5	7720.2	7877.8	7680.8	7415.5	7200.1	7053.0	7063.5
35°	7528.4	7541.6	7654.5	7901.4	8245.5	8392.6	8166.7	7862.0	7612.5	7473.3	7512.7
37.5°	8030.2	8053.8	8135.2	8379.5	8763.0	8907.5	8647.4	8363.8	8103.7	7975.0	8003.9
40°	8568.6	8566.0	8631.7	8847.1	9196.5	9285.8	9052.0	8826.1	8602.8	8518.7	8566.0
42.5°	9031.0	9017.8	9065.1	9243.7	9485.4	9493.3	9338.3	9212.2	9054.6	8996.8	9041.5
45°	9354.1	9359.3	9430.2	9553.7	9677.2	9611.5	9564.2	9543.2	9419.7	9340.9	9348.8
47.5°	9608.9	9629.9	9742.8	9826.9	9842.6	9732.3	9798.0	9829.5	9727.1	9606.2	9572.1
50°	9834.8	9868.9	10016.0	10105.3	10071.2	9932.0	10060.7	10108.0	9882.0	9650.9	9582.6
52.5°	10244.5	10284.0	10462.6	10578.2	10538.8	10399.5	10520.4	10352.2	9971.4	9687.7	9601.0
55°	10898.6	10917.0	11135.0	11324.2	11305.8	11135.0	11037.8	10664.8	10202.5	9908.3	9826.9
57.5°	10759.4	10790.9	11169.2	11673.5	11957.2	11802.2	11232.2	10596.5	9968.7	9614.1	9503.8
60°	8466.2	8542.4	9012.6	9900.4	10940.7	10938.0	9879.4	8891.7	8135.2	7665.0	7617.7
62.5°	4943.7	4996.2	5424.4	6322.7	7255.2	7313.0	6569.6	5891.9	5230.0	4912.1	4759.8
65°	2340.5	2337.9	2508.6	2913.1	3543.6	3593.5	3370.2	2999.8	2608.4	2500.7	2471.8
67.5°	1728.4	1728.4	1715.3	1744.2	1865.0	1891.3	1865.0	1804.6	1767.8	1791.5	1775.7
70°	1499.9	1502.5	1486.8	1478.9	1478.9	1471.0	1481.5	1505.2	1520.9	1552.4	1536.7
72.5°	1216.2	1218.8	1218.8	1221.5	1224.1	1213.6	1229.3	1242.5	1245.1	1255.6	1245.1
75°	864.2	869.5	885.2	898.4	908.9	908.9	914.1	916.8	906.2	919.4	898.4
77.5°	475.5	480.7	509.6	533.2	556.9	559.5	567.4	572.6	567.4	577.9	562.1
80°	262.7	267.9	281.1	291.6	310.0	325.7	336.2	341.5	341.5	349.4	341.5
82.5°	149.7	155.0	162.9	168.1	183.9	197.0	207.5	215.4	215.4	218.0	212.8
85°	70.9	70.9	76.2	81.4	89.3	94.6	107.7	115.6	115.6	120.8	115.6
87.5°	10.5	13.1	15.8	15.8	21.0	26.3	31.5	34.1	39.4	42.0	42.0
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)