

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: P632411

Luminaire Tested: GWS-SA2C-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9466.5 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

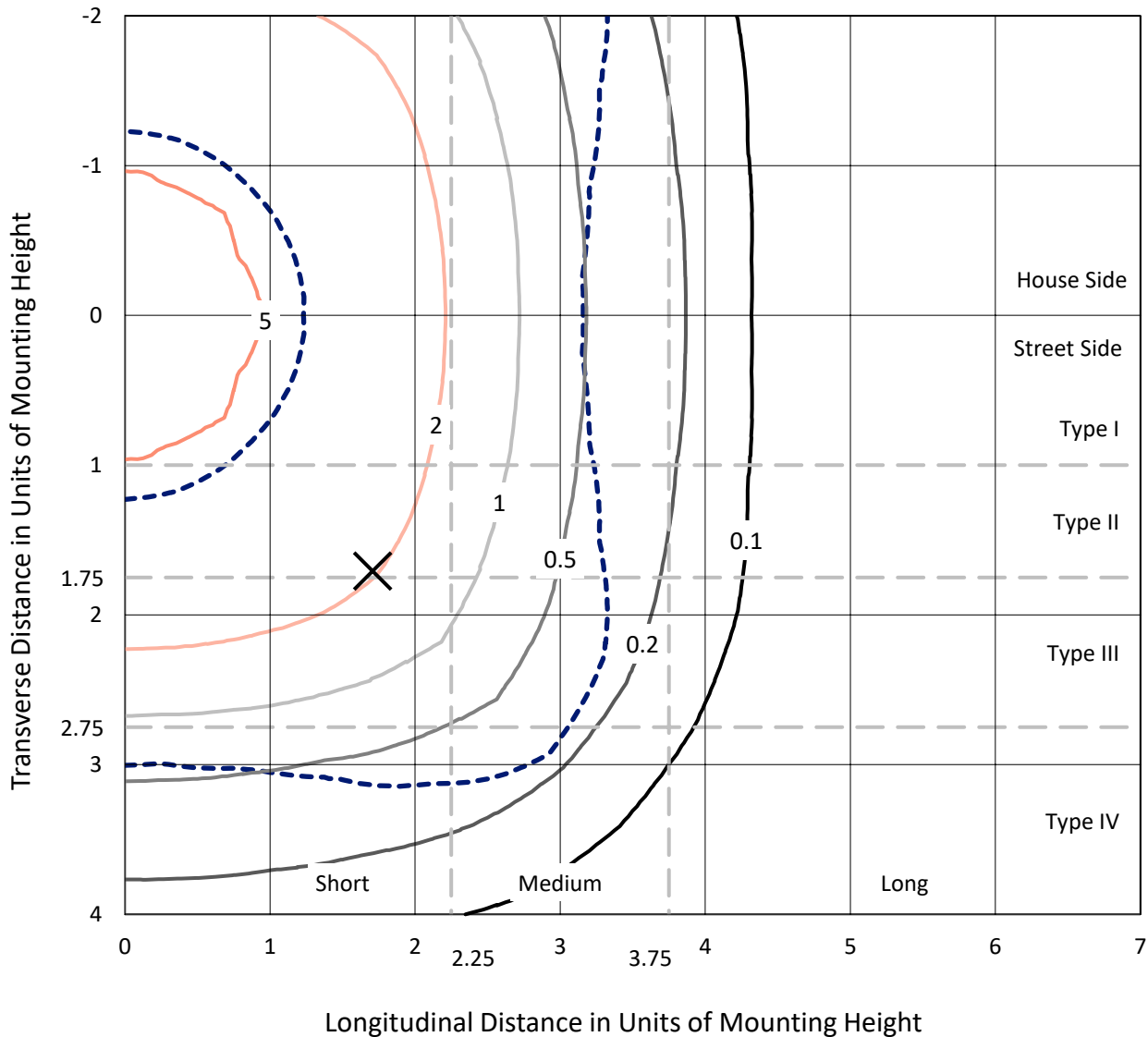
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

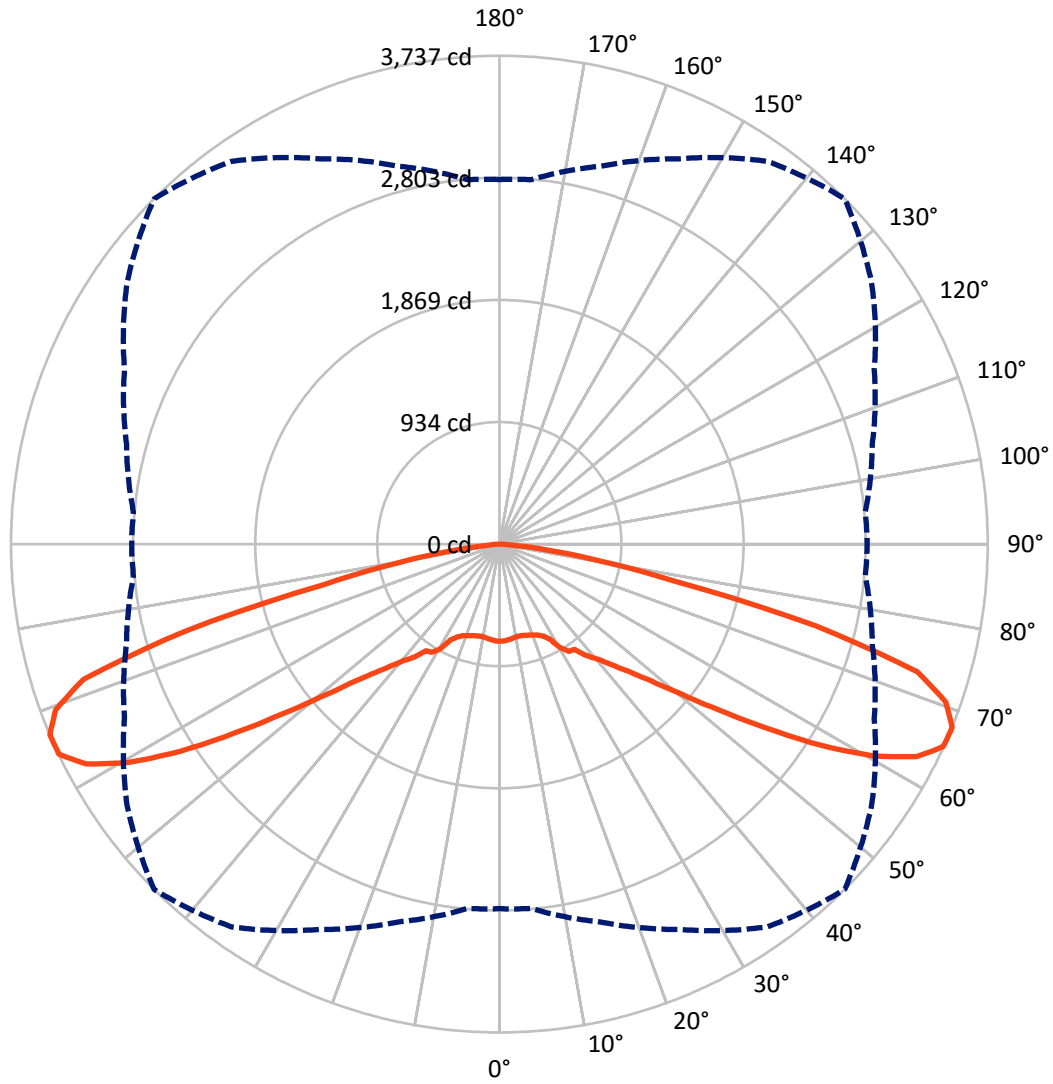
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4733.3	0.0	4733.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4733.3	0.0	4733.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	9466.5	0.0	9466.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	0.7
10°-20°	206.8	2.2
20°-30°	371.1	3.9
30°-40°	626.8	6.6
40°-50°	1101.3	11.6
50°-60°	2124.5	22.4
60°-70°	3082.3	32.6
70°-80°	1763.6	18.6
80°-90°	120.4	1.3
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°	9466.5	100.0
0°-180°	9466.5	100.0

Coefficient of Utilization



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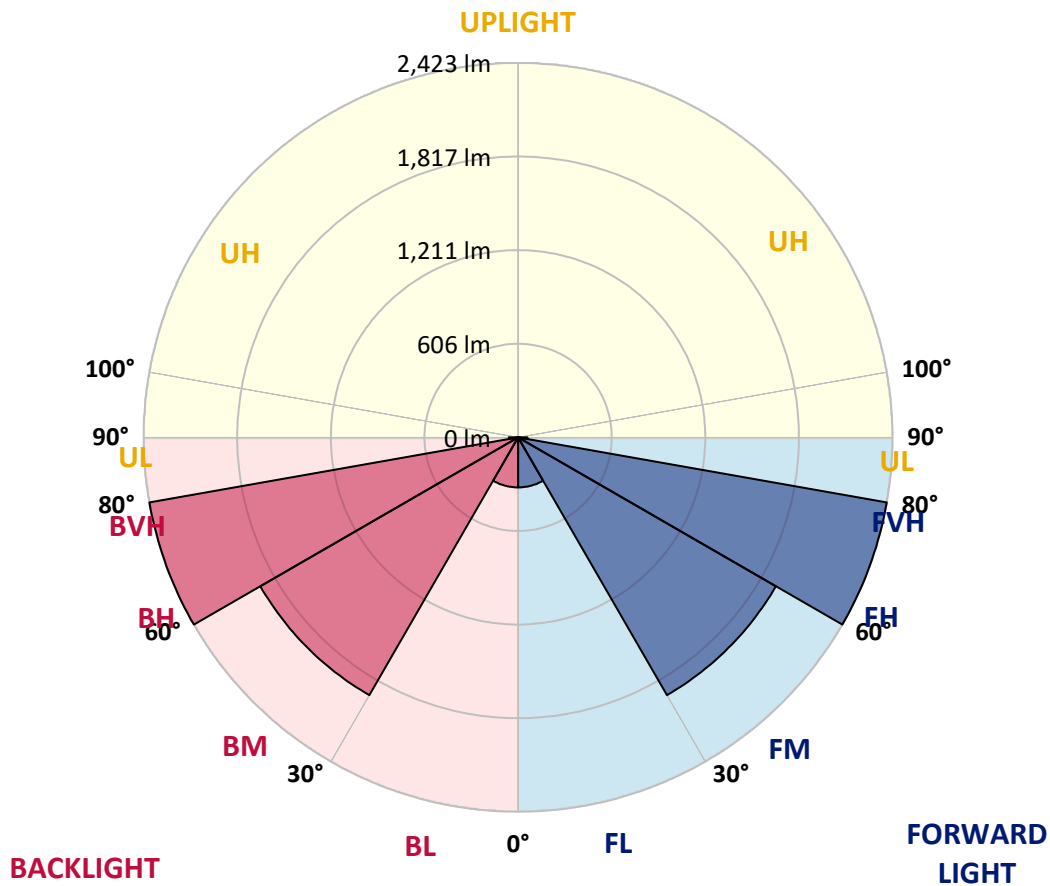
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.8	3.4			
FM (30°-60°)	1926.3	20.3			
FH (60°-80°)	2423.0	25.6			G2/5000
FVH (80°-90°)	60.2	0.6			G1/100
BL (0°-30°)	323.8	3.4	B1/500		
BM (30°-60°)	1926.3	20.3	B2/2500		
BH (60°-80°)	2423.0	25.6	B3/2500		G2/5000
BVH (80°-90°)	60.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4
2.5°	736.3	737.0	738.4	738.4	739.7	741.7	742.4	741.0	741.7	738.4	741.7
5°	734.3	735.0	735.7	734.3	734.3	735.0	735.0	733.7	734.3	731.0	734.3
7.5°	729.6	730.3	730.3	728.3	726.3	727.6	727.6	726.3	727.0	723.6	727.6
10°	725.6	725.6	725.0	720.9	718.9	720.9	721.6	722.3	725.0	722.3	727.0
12.5°	728.3	728.3	726.3	720.9	717.6	718.9	720.3	721.6	726.3	725.6	731.0
15°	735.7	736.3	731.0	725.0	723.0	725.0	723.6	723.0	729.0	731.0	737.0
17.5°	741.7	741.7	735.0	729.0	729.6	733.0	730.3	727.0	733.0	737.0	743.7
20°	747.1	746.4	739.0	735.0	737.7	742.4	740.4	735.7	739.7	744.4	750.4
22.5°	760.4	759.8	751.7	749.7	752.4	757.1	755.1	751.1	755.8	762.4	769.8
25°	798.6	797.3	785.2	778.5	777.2	780.5	779.9	778.5	785.9	793.9	802.6
27.5°	849.5	848.8	840.1	833.4	824.7	822.0	824.0	830.1	840.8	846.8	854.2
30°	874.9	874.9	873.6	884.3	903.0	921.1	907.0	884.3	874.9	872.2	879.6
32.5°	908.4	911.7	907.0	919.1	950.6	977.3	950.6	913.7	907.0	907.0	915.1
35°	985.4	986.7	979.3	977.3	987.4	990.7	978.0	964.6	972.0	973.3	983.4
37.5°	1046.9	1046.9	1043.6	1049.0	1069.7	1082.4	1061.7	1037.6	1039.6	1040.9	1053.6
40°	1142.0	1144.7	1136.6	1136.0	1144.0	1155.4	1133.3	1117.9	1128.6	1132.0	1151.4
42.5°	1260.5	1260.5	1248.4	1245.1	1250.4	1262.5	1241.7	1231.7	1245.8	1248.4	1259.8
45°	1401.7	1405.1	1389.0	1383.0	1385.7	1389.7	1375.0	1370.3	1383.7	1389.7	1409.8
47.5°	1573.8	1577.1	1563.1	1562.4	1559.7	1562.4	1548.3	1545.6	1556.4	1551.7	1573.1
50°	1786.0	1792.0	1779.9	1796.7	1794.7	1802.7	1783.3	1769.2	1769.2	1756.5	1768.6
52.5°	2023.6	2035.7	2041.7	2069.8	2091.2	2111.3	2079.2	2057.1	2024.9	1998.8	2031.6
55°	2282.7	2279.3	2317.5	2379.1	2442.0	2489.5	2426.6	2357.0	2304.8	2250.5	2263.2
57.5°	2509.6	2521.0	2571.2	2683.6	2808.1	2908.6	2795.4	2661.5	2543.1	2465.4	2476.1
60°	2698.4	2707.7	2774.7	2936.7	3154.2	3292.8	3113.4	2892.5	2720.4	2613.3	2624.7
62.5°	2872.4	2881.1	2948.7	3127.4	3401.9	3582.6	3351.0	3049.1	2857.7	2749.9	2756.6
65°	2972.8	2978.2	3070.5	3258.6	3547.8	3734.6	3473.5	3162.3	2974.2	2864.4	2868.4
67.5°	2790.1	2798.8	2993.6	3253.3	3575.9	3737.3	3478.9	3165.6	2954.1	2810.8	2814.2
70°	2201.0	2193.6	2425.9	2872.4	3414.6	3624.8	3324.3	2928.0	2601.3	2401.1	2397.8
72.5°	1678.2	1680.2	1809.4	2115.3	2784.0	3345.0	2933.3	2357.6	2005.5	1853.6	1847.5
75°	1217.0	1235.7	1340.8	1565.1	1947.3	2500.2	2208.4	1747.1	1511.5	1420.5	1407.1
77.5°	548.2	572.3	718.9	982.7	1302.0	1381.6	1387.0	1186.2	895.0	743.7	720.3
80°	160.0	171.4	220.2	376.9	606.5	783.9	622.5	523.5	326.0	255.7	243.7
82.5°	67.6	77.0	94.4	104.4	176.1	363.5	226.3	143.9	133.9	108.4	99.1
85°	28.8	30.8	39.5	42.2	56.9	77.7	71.6	64.9	62.3	48.2	44.2
87.5°	12.0	12.0	12.0	10.7	10.0	10.7	14.7	18.7	24.8	19.4	18.1
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)