

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: P636754

Luminaire Tested: GWS-SA4B-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636754  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4B-740-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

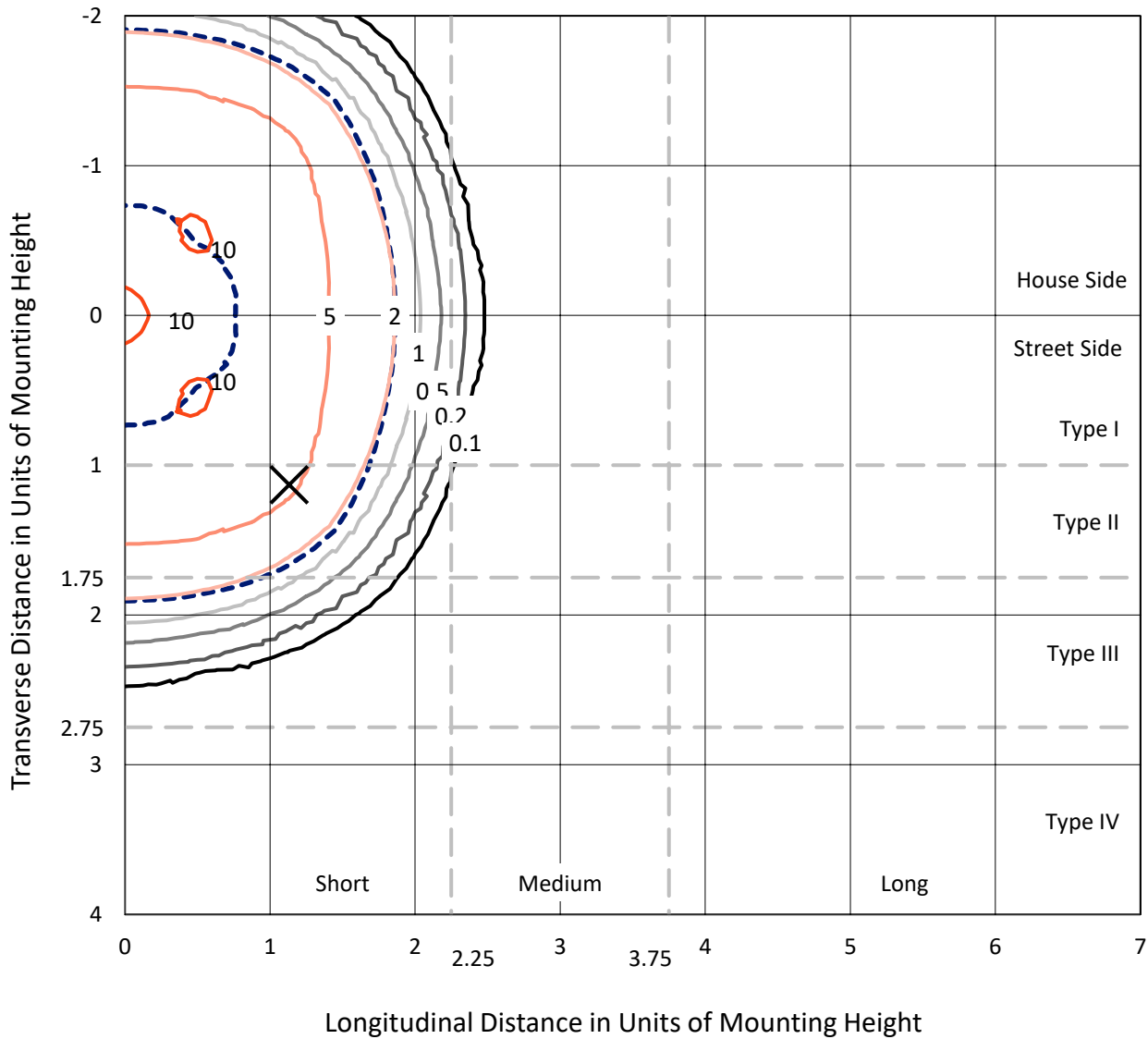
Lumens per Lamp: N/A  
Luminaire Lumens: 7617.2 lumens  
Efficiency: N/A  
Efficacy: 80.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 94.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

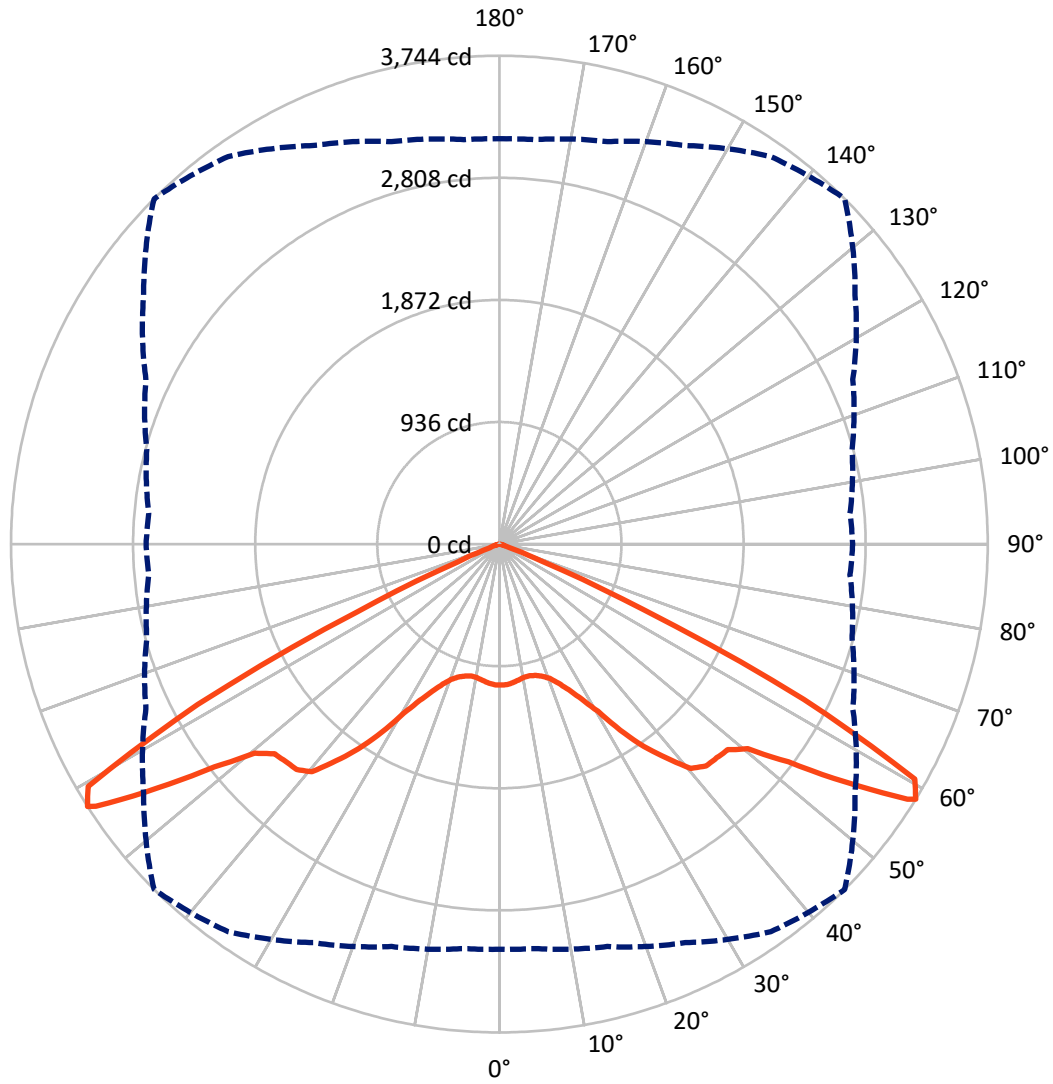
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 58-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3808.6	0.0	3808.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3808.6	0.0	3808.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7617.2	0.0	7617.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.8	1.3
10°-20°	298.2	3.9
20°-30°	564.0	7.4
30°-40°	1112.4	14.6
40°-50°	1760.3	23.1
50°-60°	2587.5	34.0
60°-70°	1155.0	15.2
70°-80°	38.7	0.5
80°-90°	0.3	0.0
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°	7617.2	100.0
0°-180°	7617.2	100.0

**Coefficient of Utilization**



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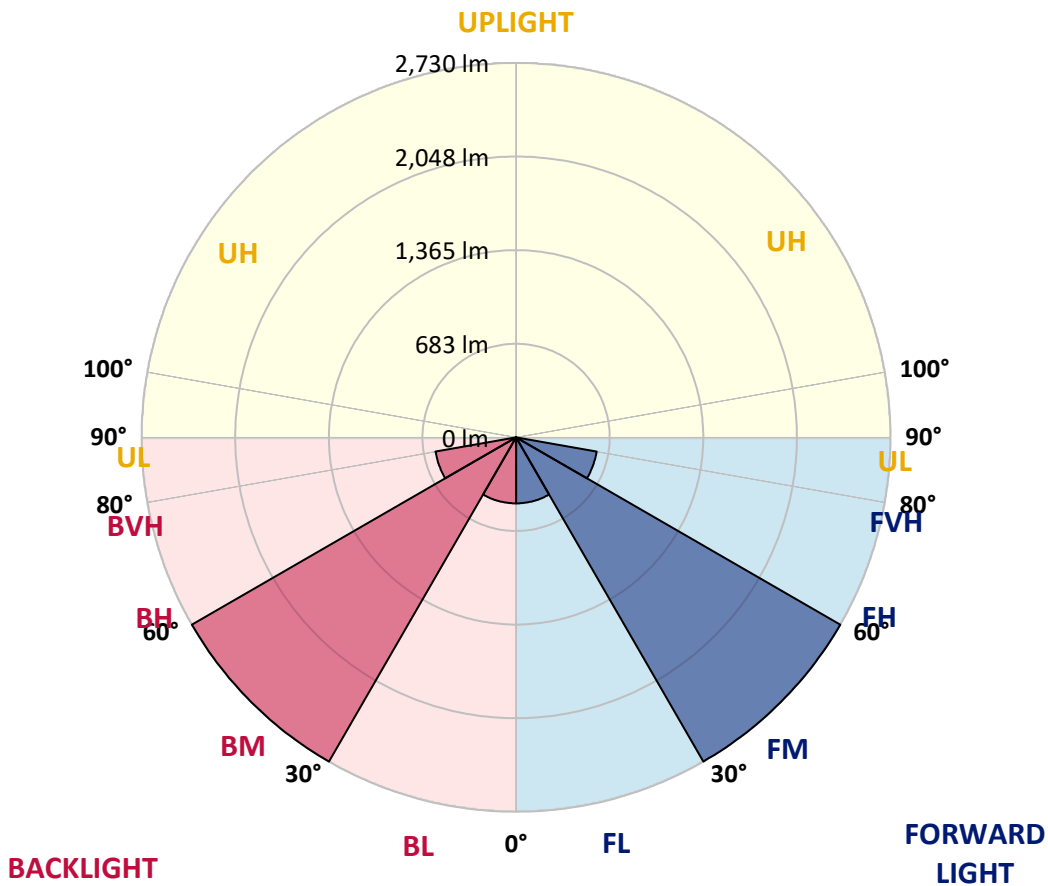
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	481.5	6.3			
FM (30°-60°)	2730.1	35.8			
FH (60°-80°)	596.8	7.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	481.5	6.3	B1/500		
BM (30°-60°)	2730.1	35.8	B3/5000		
BH (60°-80°)	596.8	7.8	B2/1000		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1080.2	1080.2	1080.2	1080.2	1080.2	1080.2	1080.2	1080.2	1080.2	1080.2	1080.2
2.5°	1069.8	1071.9	1074.0	1075.0	1076.1	1079.2	1080.2	1077.1	1077.1	1070.9	1078.1
5°	1064.7	1066.7	1068.8	1067.8	1067.8	1067.8	1066.7	1062.6	1061.5	1055.3	1062.6
7.5°	1055.3	1057.4	1057.4	1054.3	1052.2	1052.2	1051.2	1046.0	1044.9	1038.7	1046.0
10°	1048.1	1049.1	1048.1	1041.8	1037.7	1037.7	1036.6	1034.6	1035.6	1031.4	1037.7
12.5°	1052.2	1053.2	1049.1	1040.8	1035.6	1034.6	1031.4	1028.3	1031.4	1030.4	1036.6
15°	1065.7	1066.7	1059.5	1049.1	1044.9	1044.9	1036.6	1028.3	1032.5	1033.5	1040.8
17.5°	1082.3	1082.3	1073.0	1063.6	1064.7	1064.7	1051.2	1036.6	1037.7	1041.8	1049.1
20°	1102.0	1102.0	1092.7	1090.6	1097.9	1098.9	1082.3	1059.5	1054.3	1057.4	1065.7
22.5°	1137.3	1137.3	1130.0	1135.2	1151.8	1157.0	1132.1	1099.9	1087.5	1089.6	1097.9
25°	1192.3	1192.3	1190.2	1202.7	1226.5	1237.9	1204.7	1162.2	1141.4	1138.3	1147.7
27.5°	1284.6	1285.7	1282.6	1301.2	1331.3	1344.8	1299.2	1243.1	1218.2	1213.0	1222.4
30°	1404.0	1404.0	1405.0	1431.0	1470.4	1488.0	1427.8	1362.5	1333.4	1316.8	1329.3
32.5°	1536.8	1538.9	1549.2	1592.8	1662.4	1698.7	1610.5	1519.2	1472.5	1454.8	1468.3
35°	1755.7	1736.0	1723.6	1755.7	1856.4	1904.1	1791.0	1684.1	1648.9	1646.8	1681.0
37.5°	1972.6	1961.2	1935.3	1968.5	2058.7	2080.5	1956.0	1866.8	1841.9	1855.4	1889.6
40°	2144.9	2124.1	2089.9	2121.0	2239.3	2261.1	2107.5	2019.3	2010.0	2040.1	2086.8
42.5°	2280.8	2251.8	2206.1	2213.4	2308.8	2324.4	2188.5	2122.0	2128.3	2165.6	2218.6
45°	2342.0	2319.2	2278.7	2275.6	2335.8	2336.8	2230.0	2195.7	2212.3	2241.4	2282.9
47.5°	2368.0	2357.6	2334.8	2329.6	2363.8	2355.5	2289.1	2274.6	2290.2	2298.5	2322.3
50°	2432.3	2432.3	2435.4	2439.6	2474.9	2466.6	2419.9	2403.3	2383.5	2354.5	2361.7
52.5°	2612.9	2620.1	2650.2	2683.4	2747.8	2774.7	2699.0	2602.5	2508.1	2444.8	2444.8
55°	2938.7	2946.0	2981.2	3037.3	3155.6	3219.9	3043.5	2830.8	2701.1	2614.9	2626.4
57.5°	3118.2	3126.5	3199.2	3350.7	3580.0	3688.9	3310.2	2994.7	2813.1	2714.6	2722.9
58°	3106.8	3112.0	3194.0	3371.4	3626.7	3743.9	3328.9	2989.5	2798.6	2698.0	2708.3
60°	2760.2	2753.0	2883.7	3136.9	3497.0	3658.8	3143.1	2729.1	2507.0	2404.3	2409.5
62.5°	1804.5	1808.7	1921.8	2186.4	2466.6	2619.1	2195.7	1887.5	1709.1	1646.8	1631.2
65°	753.4	739.9	809.4	956.7	1124.8	1209.9	1039.8	879.9	770.0	728.4	739.9
67.5°	194.0	188.9	193.0	241.8	295.7	349.7	293.7	224.1	195.1	197.2	197.2
70°	110.0	103.8	84.1	77.8	75.8	75.8	75.8	75.8	87.2	102.7	105.8
72.5°	83.0	77.8	61.2	52.9	46.7	43.6	45.7	52.9	63.3	76.8	78.9
75°	41.5	41.5	37.4	35.3	31.1	29.1	30.1	33.2	38.4	43.6	42.5
77.5°	8.3	9.3	10.4	12.5	10.4	10.4	10.4	12.5	12.5	13.5	12.5
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)