

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: P630094

Luminaire Tested: GWS-SA1D-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630094  
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-SA1D-722-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

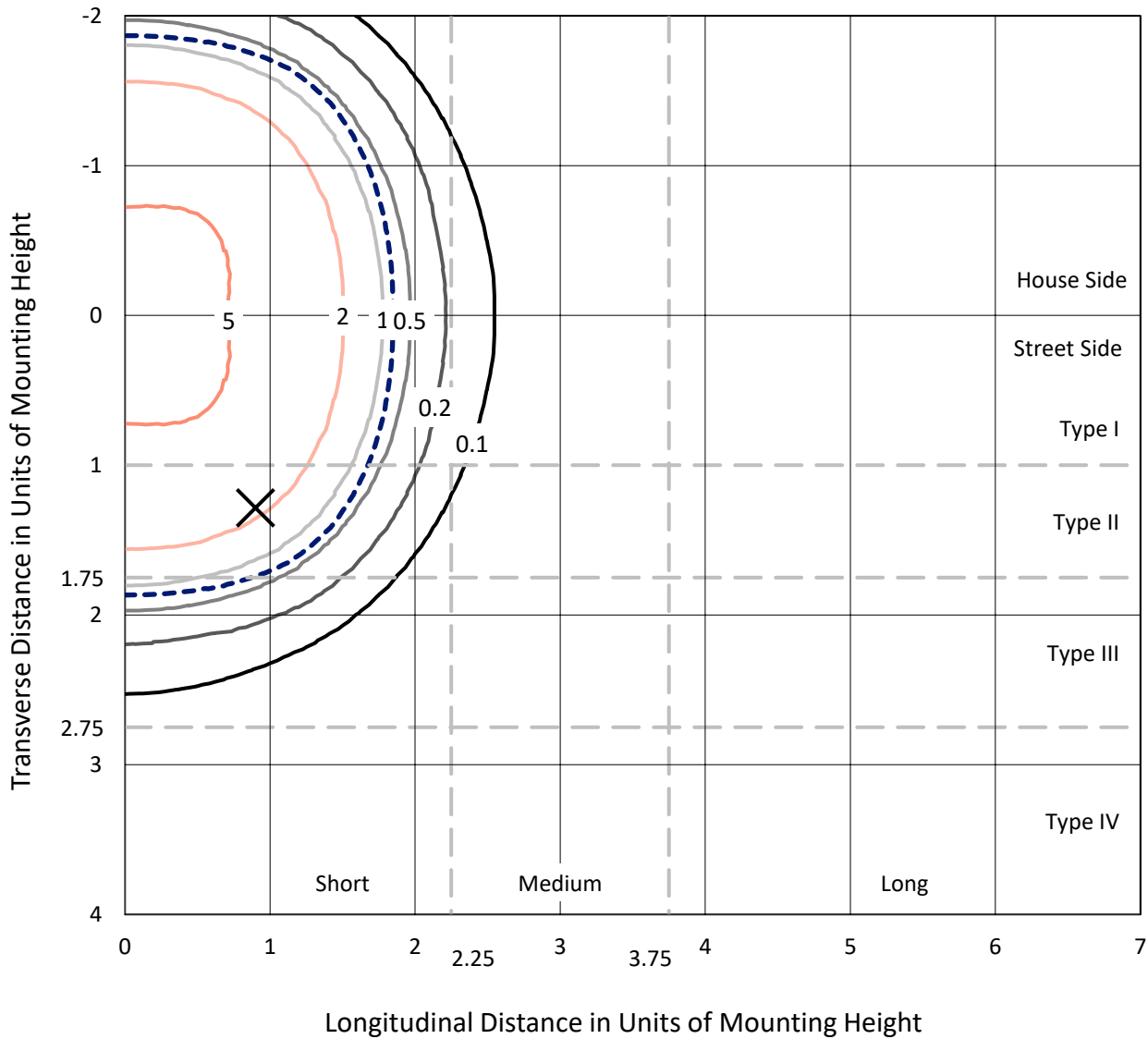
Lumens per Lamp: N/A  
Luminaire Lumens: 3910.8 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

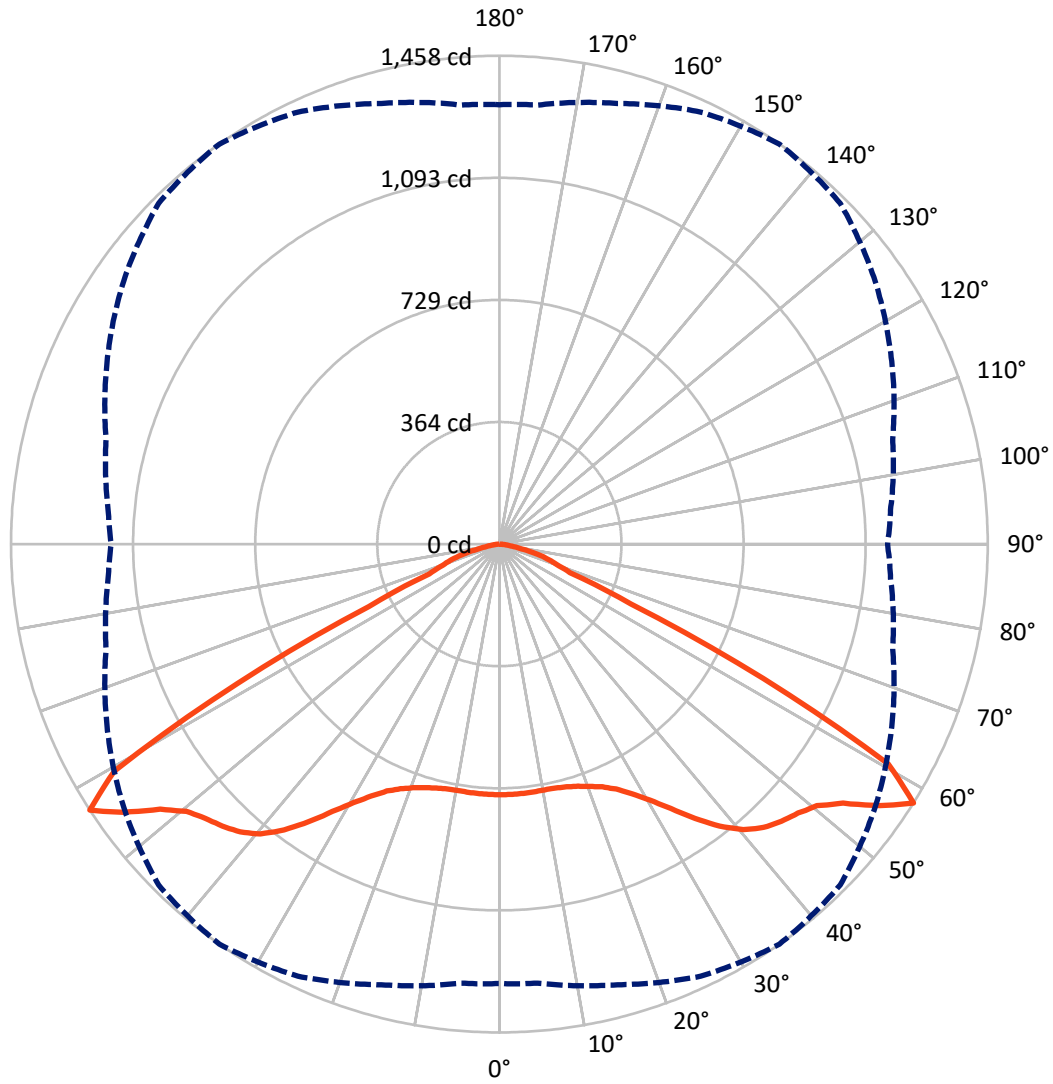
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 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
<b>House Side</b>	Lumens	1955.4	0.0	1955.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1955.4	0.0	1955.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3910.8	0.0	3910.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.2	1.8
10°-20°	212.4	5.4
20°-30°	370.6	9.5
30°-40°	607.7	15.5
40°-50°	894.9	22.9
50°-60°	1142.1	29.2
60°-70°	481.3	12.3
70°-80°	115.0	2.9
80°-90°	15.7	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°	3910.8	100.0
0°-180°	3910.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630094

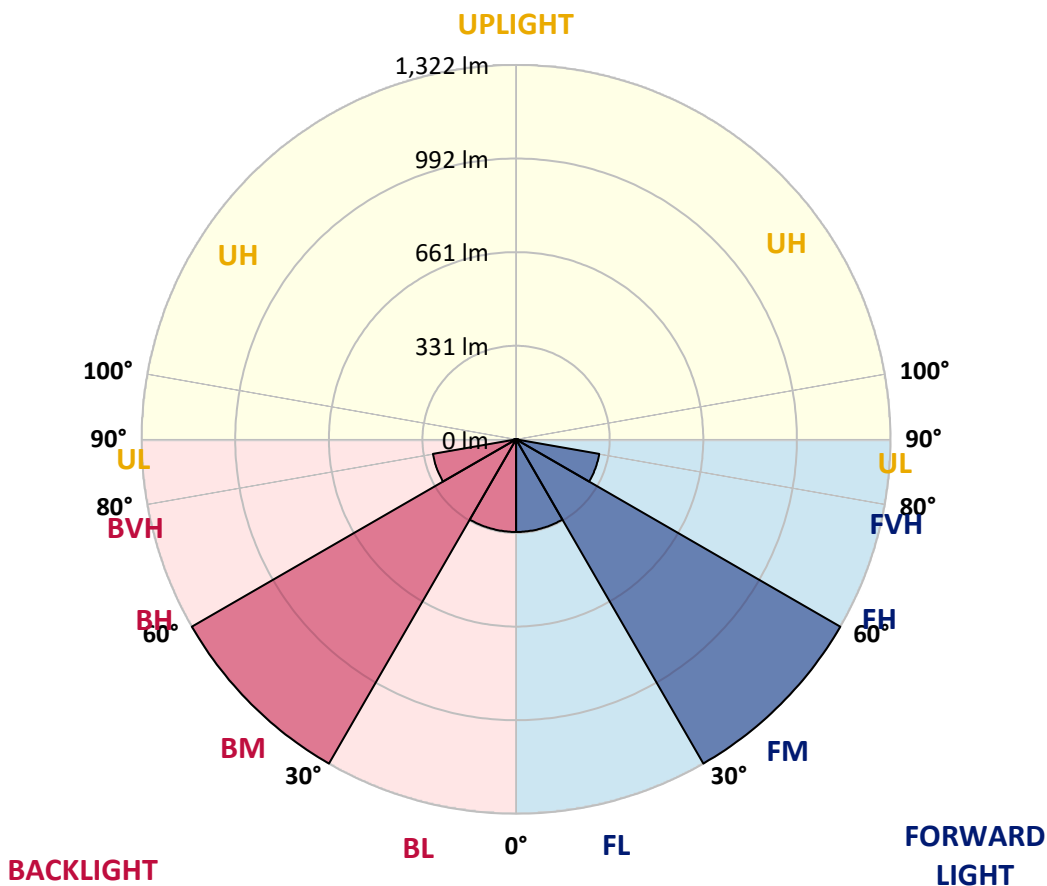
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.1	8.4			
FM (30°-60°)	1322.3	33.8			
FH (60°-80°)	298.2	7.6			G0/660
FVH (80°-90°)	7.8	0.2			G0/10
BL (0°-30°)	327.1	8.4	B1/500		
BM (30°-60°)	1322.3	33.8	B2/2500		
BH (60°-80°)	298.2	7.6	B1/500		G0/660
BVH (80°-90°)	7.8	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3
2.5°	743.8	743.8	745.4	747.0	747.6	750.5	750.2	749.2	748.6	746.7	749.2
5°	745.4	745.4	746.7	747.6	747.3	749.6	748.6	747.0	746.0	744.1	747.0
7.5°	745.1	745.1	746.0	747.0	746.4	748.3	746.7	744.4	742.8	740.9	743.5
10°	740.9	741.6	742.5	744.8	745.7	748.6	746.4	742.8	740.3	738.0	740.6
12.5°	740.3	740.9	742.2	745.1	746.7	750.8	748.0	742.2	738.4	735.5	738.0
15°	743.2	743.8	745.7	749.2	751.8	756.3	752.1	744.1	738.7	734.8	737.1
17.5°	746.7	747.6	750.5	755.7	759.8	764.6	759.5	749.9	742.2	737.1	739.0
20°	750.5	751.8	756.3	764.0	771.7	777.7	771.3	758.5	749.2	742.5	744.4
22.5°	757.3	758.9	764.6	775.5	787.0	796.0	788.0	770.7	758.5	749.9	751.5
25°	771.0	772.9	780.3	793.4	809.8	820.7	809.4	789.9	772.9	762.4	764.0
27.5°	795.4	796.3	805.9	823.2	843.4	855.9	842.4	819.4	800.5	788.3	789.6
30°	827.4	830.3	839.9	862.6	886.6	903.3	885.6	858.4	836.7	821.9	823.2
32.5°	866.4	868.4	882.8	906.5	941.0	960.3	936.2	903.9	877.6	859.7	861.0
35°	917.7	919.3	933.0	963.1	1005.1	1023.0	995.5	958.3	927.9	910.9	915.7
37.5°	978.8	981.7	991.6	1021.4	1068.2	1085.8	1054.1	1019.5	987.8	972.1	975.6
40°	1044.5	1044.1	1052.1	1078.4	1121.0	1131.9	1103.4	1075.8	1048.6	1038.4	1044.1
42.5°	1100.8	1099.2	1105.0	1126.8	1156.2	1157.2	1138.3	1122.9	1103.7	1096.7	1102.1
45°	1140.2	1140.8	1149.5	1164.5	1179.6	1171.6	1165.8	1163.3	1148.2	1138.6	1139.6
47.5°	1171.3	1173.8	1187.6	1197.8	1199.8	1186.3	1194.3	1198.2	1185.7	1170.9	1166.8
50°	1198.8	1203.0	1220.9	1231.8	1227.6	1210.6	1226.3	1232.1	1204.6	1176.4	1168.1
52.5°	1248.7	1253.5	1275.3	1289.4	1284.6	1267.6	1282.4	1261.9	1215.4	1180.9	1170.3
55°	1328.5	1330.7	1357.3	1380.3	1378.1	1357.3	1345.4	1300.0	1243.6	1207.8	1197.8
57.5°	1311.5	1315.3	1361.5	1422.9	1457.5	1438.6	1369.1	1291.7	1215.1	1171.9	1158.5
60°	1032.0	1041.3	1098.6	1206.8	1333.6	1333.3	1204.2	1083.8	991.6	934.3	928.6
62.5°	602.6	609.0	661.2	770.7	884.4	891.4	800.8	718.2	637.5	598.8	580.2
65°	285.3	285.0	305.8	355.1	431.9	438.0	410.8	365.7	317.9	304.8	301.3
67.5°	210.7	210.7	209.1	212.6	227.3	230.5	227.3	220.0	215.5	218.4	216.4
70°	182.8	183.1	181.2	180.3	180.3	179.3	180.6	183.5	185.4	189.2	187.3
72.5°	148.2	148.6	148.6	148.9	149.2	147.9	149.8	151.5	151.8	153.1	151.8
75°	105.3	106.0	107.9	109.5	110.8	110.8	111.4	111.7	110.5	112.1	109.5
77.5°	58.0	58.6	62.1	65.0	67.9	68.2	69.2	69.8	69.2	70.4	68.5
80°	32.0	32.7	34.3	35.5	37.8	39.7	41.0	41.6	41.6	42.6	41.6
82.5°	18.3	18.9	19.9	20.5	22.4	24.0	25.3	26.3	26.3	26.6	25.9
85°	8.6	8.6	9.3	9.9	10.9	11.5	13.1	14.1	14.1	14.7	14.1
87.5°	1.3	1.6	1.9	1.9	2.6	3.2	3.8	4.2	4.8	5.1	5.1
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)