

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: P630042

Luminaire Tested: GWS-SA1C-830-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630042  
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-SA1C-830-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

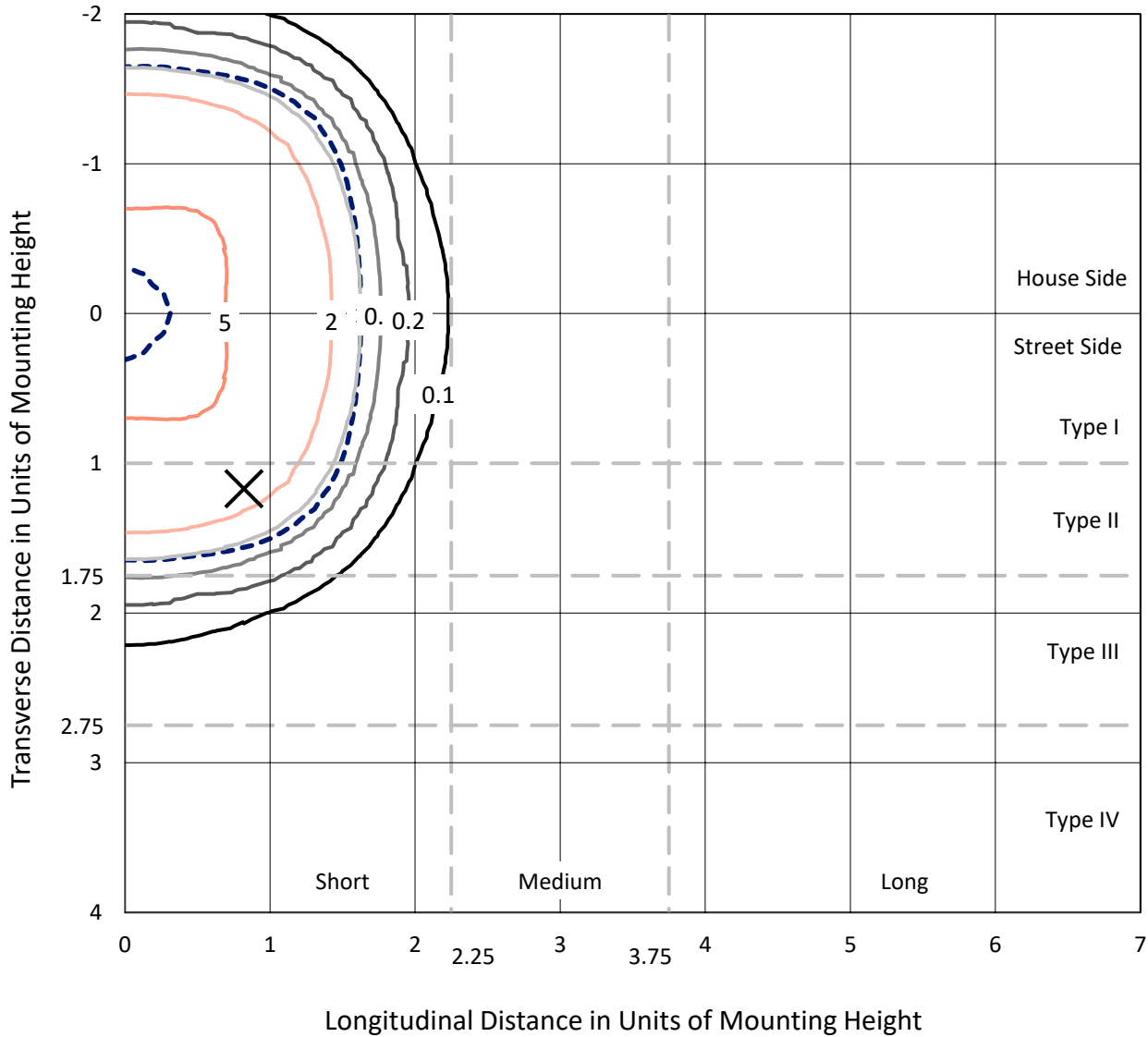
Lumens per Lamp: N/A  
Luminaire Lumens: 3461.5 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

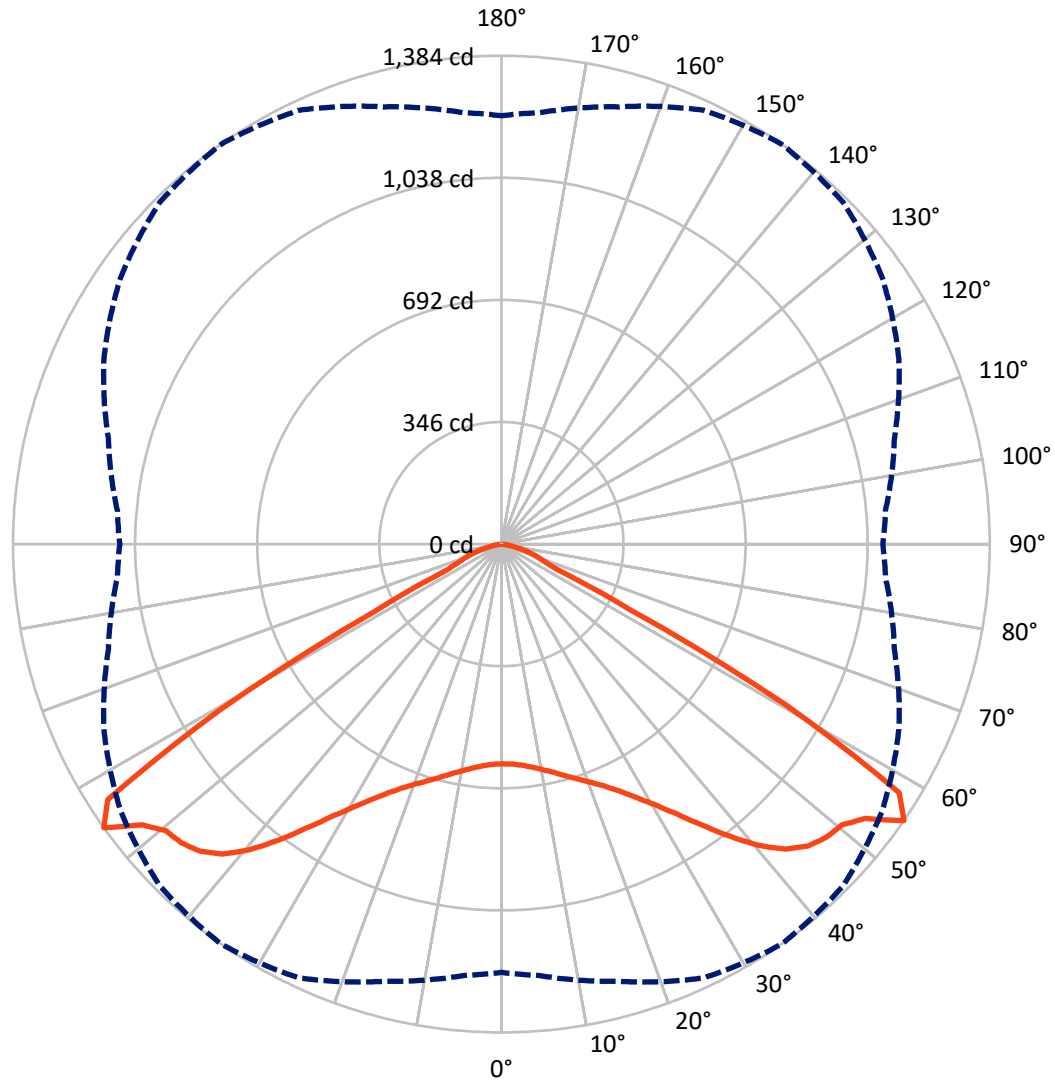
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 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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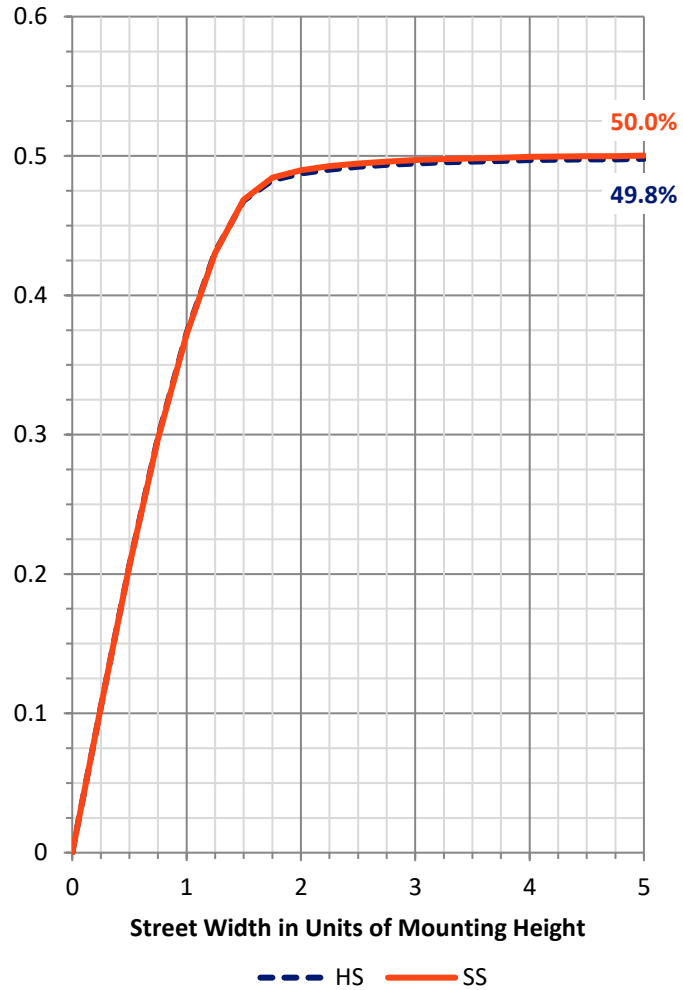
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1730.7	0.0	1730.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1730.7	0.0	1730.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3461.5	0.0	3461.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.7	1.8
10°-20°	193.4	5.6
20°-30°	357.9	10.3
30°-40°	598.7	17.3
40°-50°	912.3	26.4
50°-60°	1022.0	29.5
60°-70°	241.8	7.0
70°-80°	65.2	1.9
80°-90°	9.4	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°	3461.5	100.0
0°-180°	3461.5	100.0

**Coefficient of Utilization**



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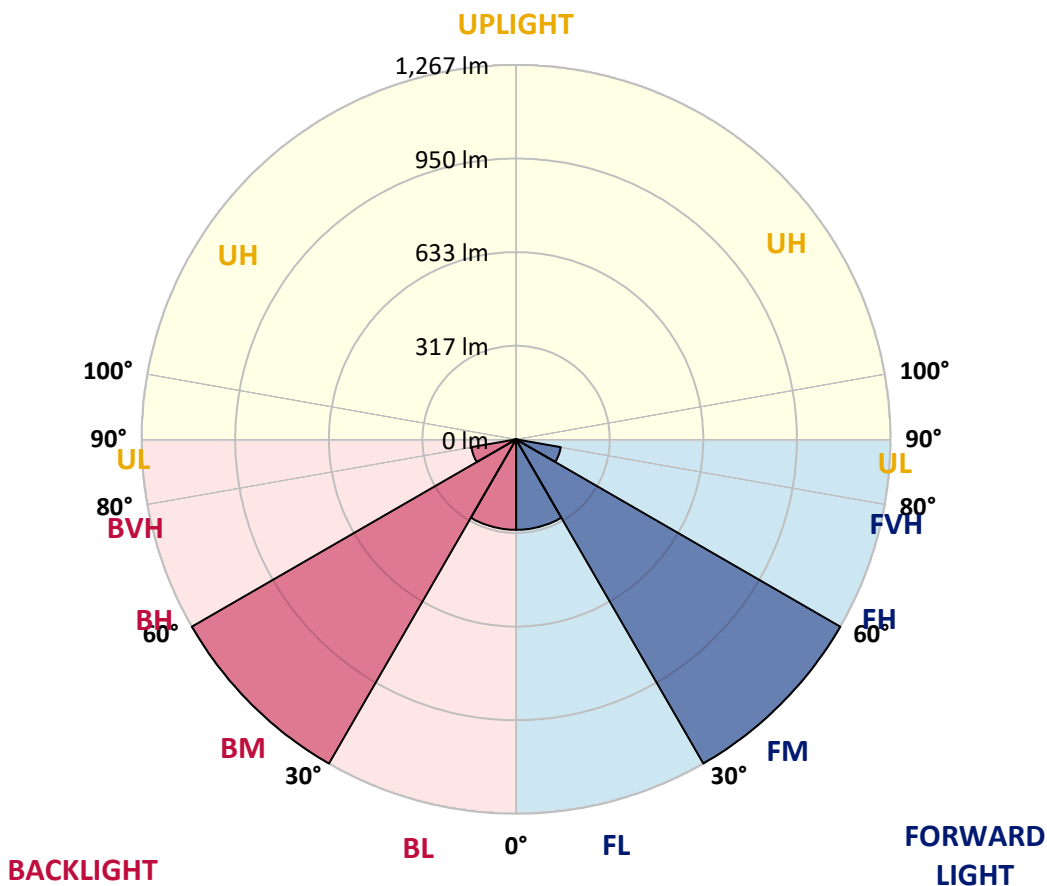
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	306.0	8.8			
FM (30°-60°)	1266.5	36.6			
FH (60°-80°)	153.5	4.4			G0/660
FVH (80°-90°)	4.7	0.1			G0/10
BL (0°-30°)	306.0	8.8	B1/500		
BM (30°-60°)	1266.5	36.6	B2/2500		
BH (60°-80°)	153.5	4.4	B1/500		G0/660
BVH (80°-90°)	4.7	0.1			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°	622.7	622.7	622.7	622.7	622.7	622.7	622.7	622.7	622.7	622.7	622.7
2.5°	621.4	621.4	622.5	623.8	624.1	626.8	626.3	625.2	624.6	623.6	626.0
5°	628.2	628.5	629.3	630.1	629.6	631.8	630.9	629.6	628.8	627.4	629.9
7.5°	637.2	637.2	638.1	639.2	638.6	641.9	640.3	638.3	637.0	635.3	637.5
10°	645.5	646.0	646.8	649.0	650.1	653.7	652.6	649.8	647.6	645.7	648.2
12.5°	657.8	658.3	659.1	662.2	664.1	667.6	666.0	662.2	658.9	656.1	658.9
15°	673.6	673.1	675.3	679.1	681.6	684.9	683.0	676.4	672.0	668.4	671.2
17.5°	689.8	689.5	691.7	696.6	700.2	704.6	701.3	693.6	689.0	684.6	687.3
20°	707.3	708.1	710.3	715.0	720.2	725.9	723.2	715.0	709.8	704.9	707.0
22.5°	728.9	729.2	731.7	737.7	744.5	750.0	748.4	738.2	731.7	726.5	729.2
25°	754.9	754.7	758.0	765.1	774.7	780.1	776.6	765.3	758.2	752.2	754.4
27.5°	784.8	784.5	789.4	798.7	812.4	820.1	812.7	798.7	788.9	780.4	782.3
30°	822.3	821.5	826.9	839.5	857.3	870.2	859.2	839.8	826.9	817.9	819.8
32.5°	863.9	865.0	871.8	888.8	911.2	927.9	911.5	889.9	872.6	859.5	861.7
35°	909.6	909.6	923.6	944.6	976.7	998.8	973.4	942.2	919.2	901.1	901.7
37.5°	960.5	961.1	979.4	1008.4	1050.3	1076.3	1041.8	1003.2	975.3	955.9	954.8
40°	1022.7	1024.3	1043.2	1075.5	1122.6	1146.4	1109.4	1071.6	1043.2	1020.2	1018.0
42.5°	1092.7	1093.3	1113.3	1142.3	1182.0	1196.2	1167.2	1136.2	1113.0	1092.2	1090.0
45°	1159.5	1158.1	1175.4	1197.0	1220.0	1221.4	1205.2	1192.6	1172.4	1154.6	1151.3
47.5°	1211.5	1210.4	1226.0	1237.8	1240.5	1227.1	1232.3	1234.2	1210.7	1186.6	1180.3
50°	1243.3	1245.5	1260.2	1266.8	1250.7	1228.8	1248.5	1243.6	1209.9	1178.4	1168.3
52.5°	1262.4	1265.7	1291.5	1308.2	1291.5	1270.6	1273.4	1244.4	1195.9	1154.3	1141.2
55°	1214.0	1227.1	1282.7	1356.6	1384.0	1369.5	1317.5	1242.7	1152.9	1092.5	1081.2
57.5°	899.7	920.6	1002.9	1163.1	1329.5	1382.3	1230.4	1041.8	905.8	828.0	821.5
60°	459.3	482.6	548.6	713.1	927.1	1001.6	857.0	667.1	530.2	467.3	460.1
62.5°	187.5	191.3	213.0	276.5	409.8	472.7	415.2	291.5	219.0	201.7	202.0
65°	147.5	148.4	147.3	151.1	171.6	190.5	176.0	154.7	150.8	152.7	151.4
67.5°	128.7	128.9	128.1	128.1	128.9	128.1	129.7	130.6	131.1	133.3	131.9
70°	107.6	107.8	107.8	108.4	108.1	106.8	109.2	110.3	110.6	112.0	111.1
72.5°	83.2	84.0	84.6	84.9	84.6	83.8	85.1	87.0	86.8	88.1	86.8
75°	56.4	57.5	58.0	59.1	58.9	58.9	60.5	61.3	60.5	61.6	60.5
77.5°	32.0	32.8	34.5	35.6	36.7	37.5	38.6	39.1	38.9	39.4	38.9
80°	18.6	18.9	20.3	20.8	22.2	23.5	24.6	25.2	25.5	25.7	25.5
82.5°	10.7	10.9	11.5	12.0	13.1	14.2	15.3	16.2	16.2	16.4	16.2
85°	5.2	5.2	5.5	5.7	6.3	7.1	7.9	8.8	9.0	9.0	9.0
87.5°	0.8	0.8	1.1	1.1	1.4	1.6	2.2	2.7	3.0	3.0	3.0
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)