

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: P630814

Luminaire Tested: GWS-SA1E-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630814  
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-SA1E-740-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

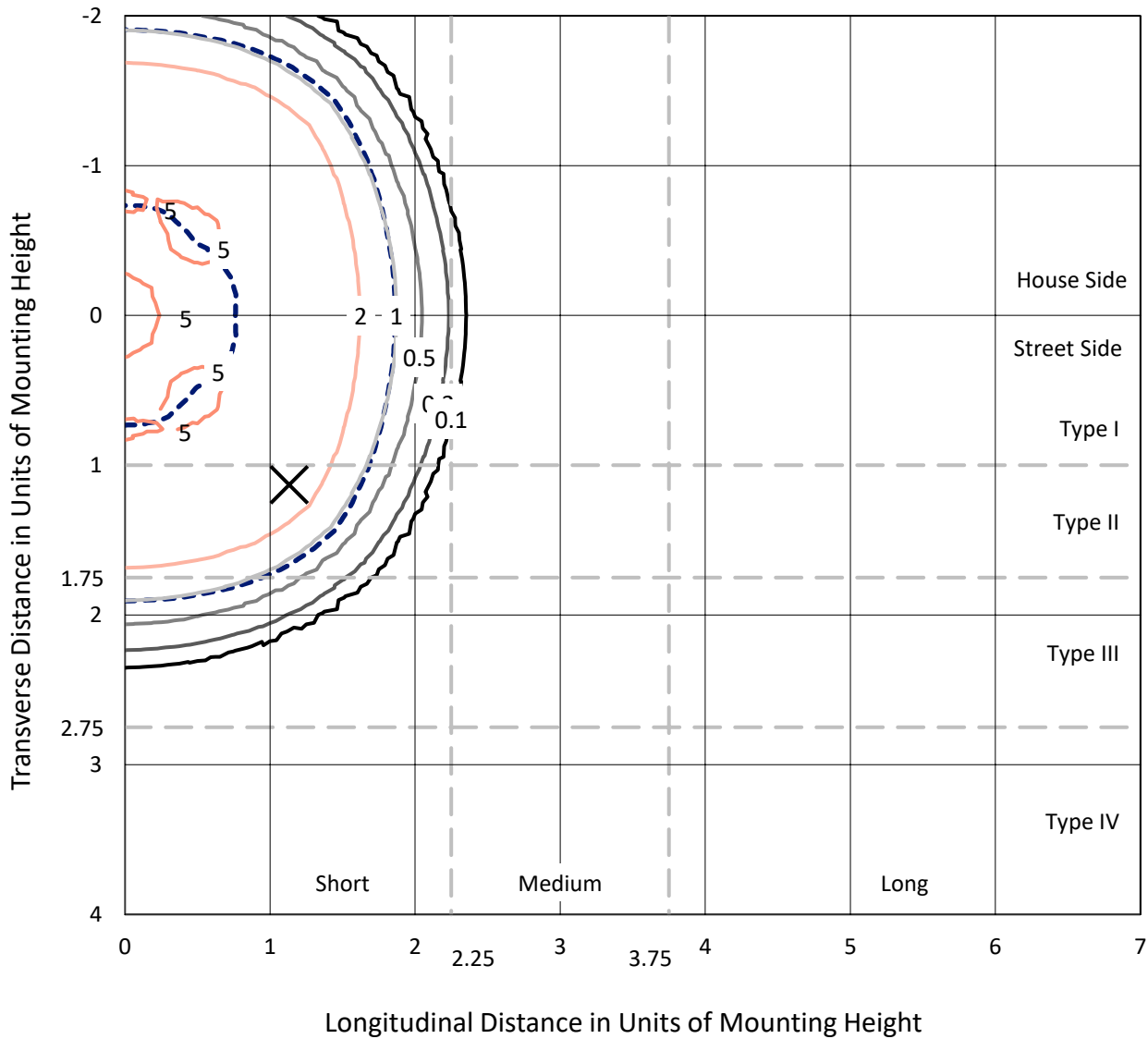
Lumens per Lamp: N/A  
Luminaire Lumens: 3987.7 lumens  
Efficiency: N/A  
Efficacy: 68.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

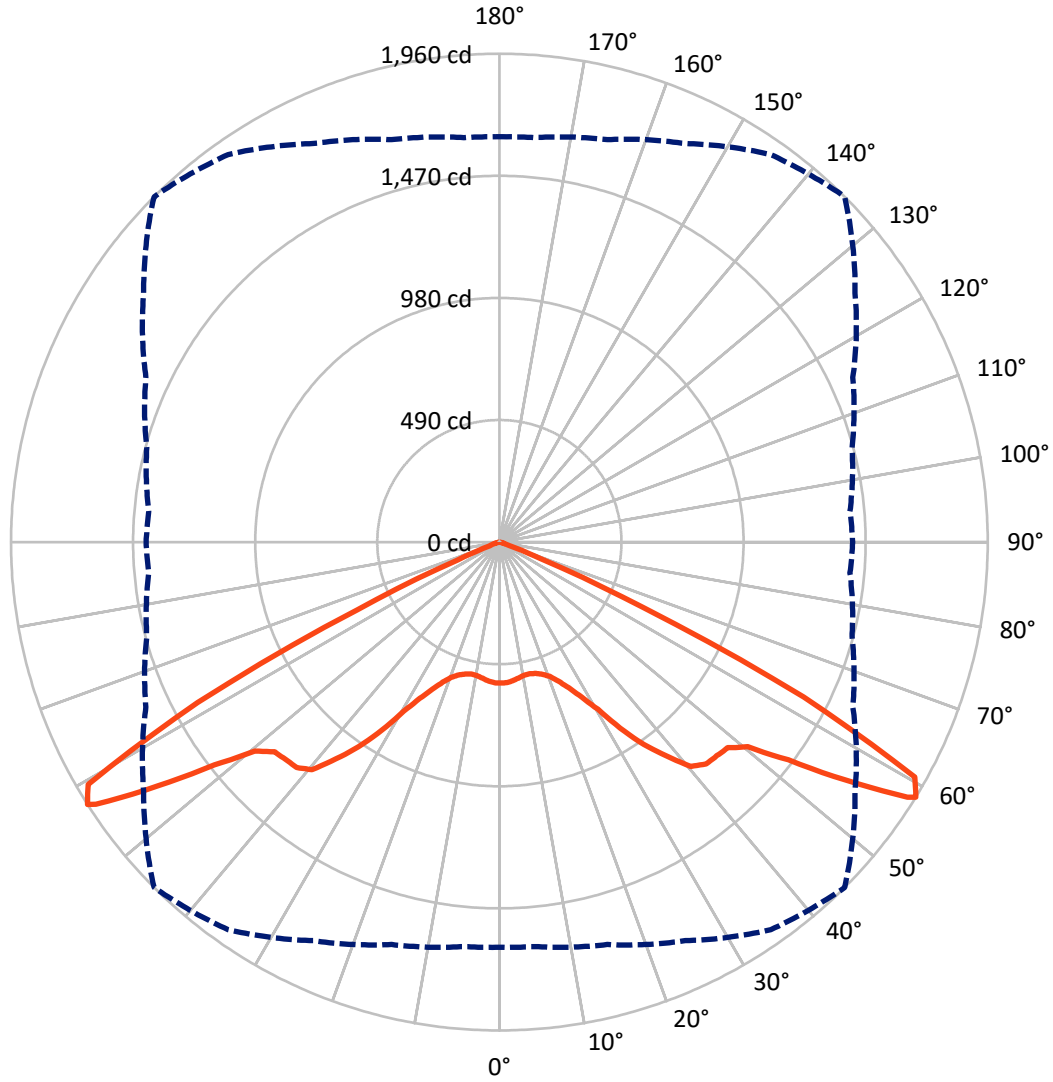
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 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	1993.8	0.0	1993.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1993.8	0.0	1993.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3987.7	0.0	3987.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.8	1.3
10°-20°	156.1	3.9
20°-30°	295.3	7.4
30°-40°	582.3	14.6
40°-50°	921.5	23.1
50°-60°	1354.6	34.0
60°-70°	604.6	15.2
70°-80°	20.2	0.5
80°-90°	0.2	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°	3987.7	100.0
0°-180°	3987.7	100.0

**Coefficient of Utilization**



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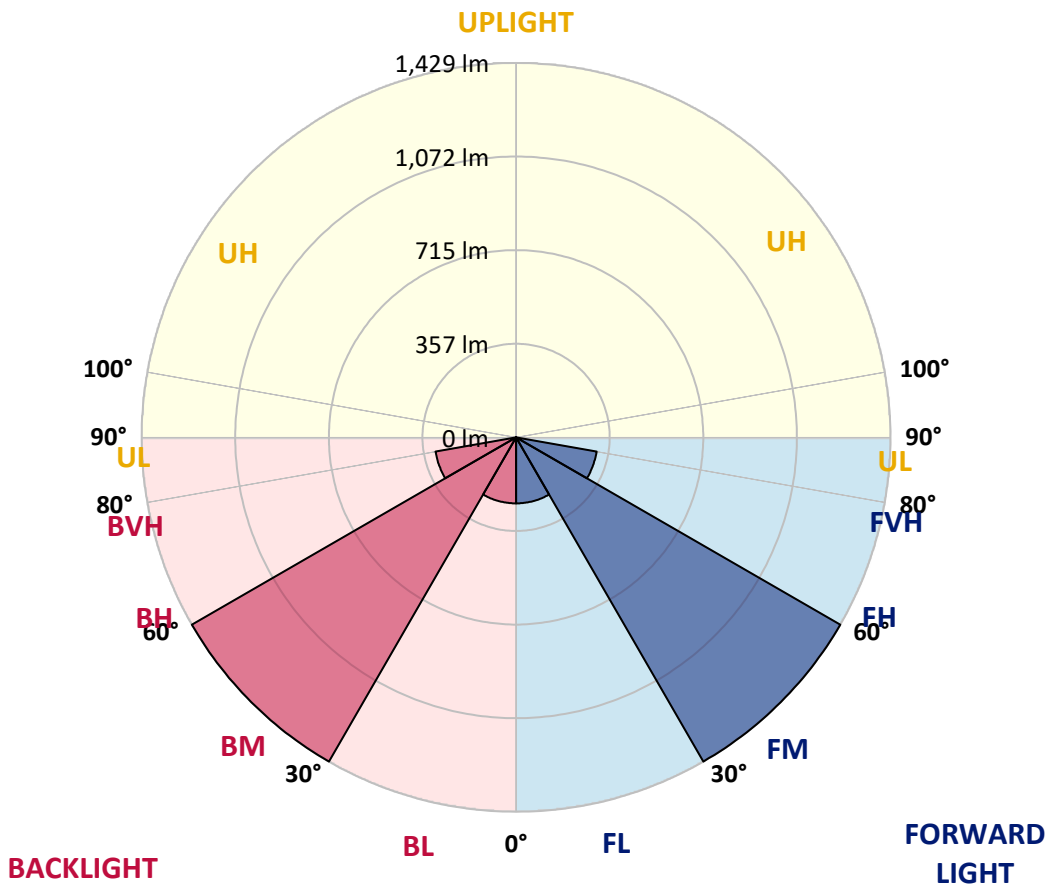
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.1	6.3			
FM (30°-60°)	1429.2	35.8			
FH (60°-80°)	312.4	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	252.1	6.3	B1/500		
BM (30°-60°)	1429.2	35.8	B2/2500		
BH (60°-80°)	312.4	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			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°	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5
2.5°	560.1	561.2	562.2	562.8	563.3	565.0	565.5	563.9	563.9	560.6	564.4
5°	557.4	558.4	559.5	559.0	559.0	559.0	558.4	556.3	555.7	552.5	556.3
7.5°	552.5	553.6	553.6	551.9	550.8	550.8	550.3	547.6	547.0	543.8	547.6
10°	548.7	549.2	548.7	545.4	543.2	543.2	542.7	541.6	542.1	540.0	543.2
12.5°	550.8	551.4	549.2	544.9	542.1	541.6	540.0	538.3	540.0	539.4	542.7
15°	557.9	558.4	554.6	549.2	547.0	547.0	542.7	538.3	540.5	541.1	544.9
17.5°	566.6	566.6	561.7	556.8	557.4	557.4	550.3	542.7	543.2	545.4	549.2
20°	576.9	576.9	572.0	570.9	574.7	575.3	566.6	554.6	551.9	553.6	557.9
22.5°	595.4	595.4	591.6	594.3	603.0	605.7	592.7	575.8	569.3	570.4	574.7
25°	624.2	624.2	623.1	629.6	642.1	648.1	630.7	608.4	597.6	595.9	600.8
27.5°	672.5	673.1	671.4	681.2	697.0	704.0	680.1	650.8	637.8	635.0	639.9
30°	735.0	735.0	735.5	749.1	769.8	779.0	747.5	713.3	698.1	689.4	695.9
32.5°	804.5	805.6	811.1	833.9	870.3	889.3	843.1	795.3	770.9	761.6	768.7
35°	919.2	908.8	902.3	919.2	971.8	996.8	937.6	881.7	863.2	862.1	880.0
37.5°	1032.7	1026.7	1013.1	1030.5	1077.8	1089.2	1024.0	977.3	964.2	971.3	989.2
40°	1122.9	1112.0	1094.1	1110.4	1172.3	1183.7	1103.3	1057.1	1052.2	1068.0	1092.4
42.5°	1194.0	1178.8	1154.9	1158.7	1208.7	1216.8	1145.7	1110.9	1114.2	1133.7	1161.4
45°	1226.1	1214.1	1192.9	1191.3	1222.8	1223.4	1167.4	1149.5	1158.2	1173.4	1195.1
47.5°	1239.7	1234.2	1222.3	1219.6	1237.5	1233.1	1198.4	1190.8	1198.9	1203.3	1215.8
50°	1273.3	1273.3	1275.0	1277.1	1295.6	1291.3	1266.8	1258.1	1247.8	1232.6	1236.4
52.5°	1367.9	1371.7	1387.4	1404.8	1438.5	1452.6	1413.0	1362.4	1313.0	1279.9	1279.9
55°	1538.4	1542.2	1560.7	1590.1	1652.0	1685.7	1593.3	1481.9	1414.0	1369.0	1374.9
57.5°	1632.4	1636.8	1674.8	1754.1	1874.2	1931.2	1732.9	1567.8	1472.7	1421.1	1425.5
58°	1626.4	1629.2	1672.1	1765.0	1898.6	1960.0	1742.7	1565.1	1465.1	1412.4	1417.8
60°	1445.0	1441.2	1509.7	1642.2	1830.7	1915.5	1645.5	1428.7	1312.5	1258.7	1261.4
62.5°	944.7	946.9	1006.1	1144.6	1291.3	1371.1	1149.5	988.1	894.7	862.1	854.0
65°	394.4	387.3	423.7	500.9	588.9	633.4	544.3	460.7	403.1	381.4	387.3
67.5°	101.6	98.9	101.0	126.6	154.8	183.1	153.7	117.3	102.1	103.2	103.2
70°	57.6	54.3	44.0	40.7	39.7	39.7	39.7	39.7	45.6	53.8	55.4
72.5°	43.5	40.7	32.1	27.7	24.4	22.8	23.9	27.7	33.1	40.2	41.3
75°	21.7	21.7	19.6	18.5	16.3	15.2	15.8	17.4	20.1	22.8	22.3
77.5°	4.3	4.9	5.4	6.5	5.4	5.4	5.4	6.5	6.5	7.1	6.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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)