

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: P630430

Luminaire Tested: GWS-SA1D-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630430  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-760-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

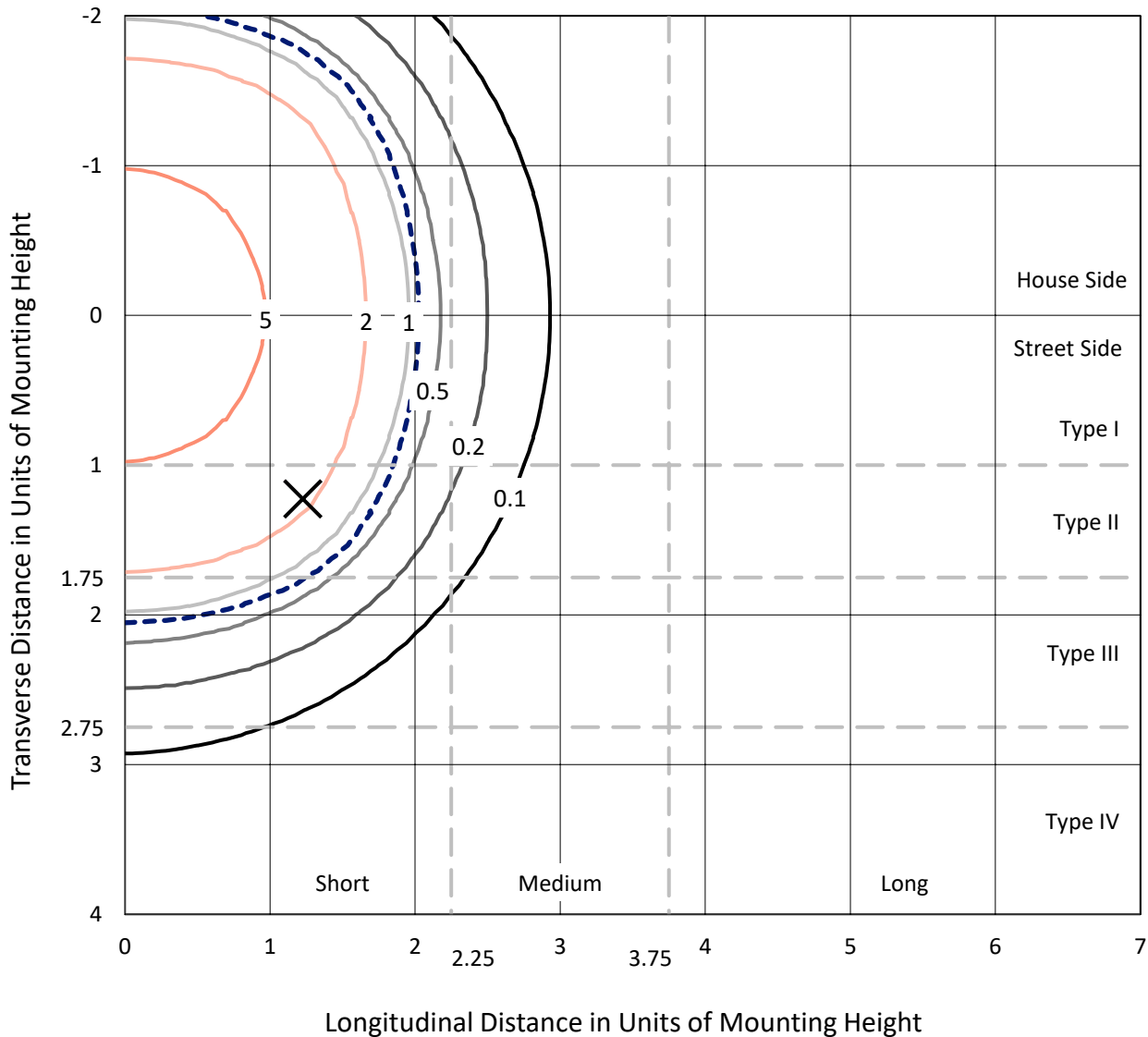
Lumens per Lamp: N/A  
Luminaire Lumens: 5166.7 lumens  
Efficiency: N/A  
Efficacy: 116.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

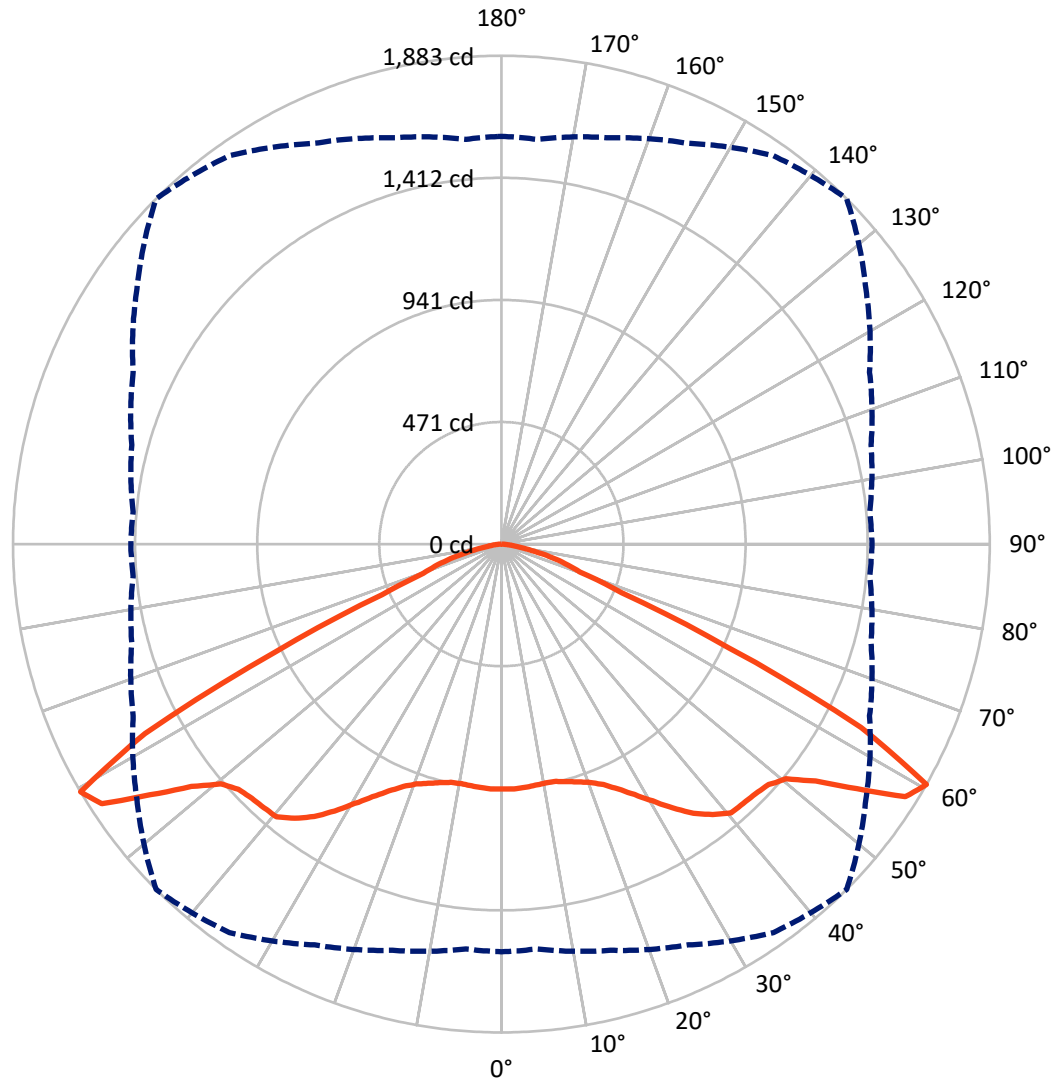
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2583.4	0.0	2583.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2583.4	0.0	2583.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5166.7	0.0	5166.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.5	1.7
10°-20°	269.3	5.2
20°-30°	476.5	9.2
30°-40°	767.2	14.8
40°-50°	1054.5	20.4
50°-60°	1405.2	27.2
60°-70°	875.8	17.0
70°-80°	201.4	3.9
80°-90°	27.3	0.5
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°	5166.7	100.0
0°-180°	5166.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630430

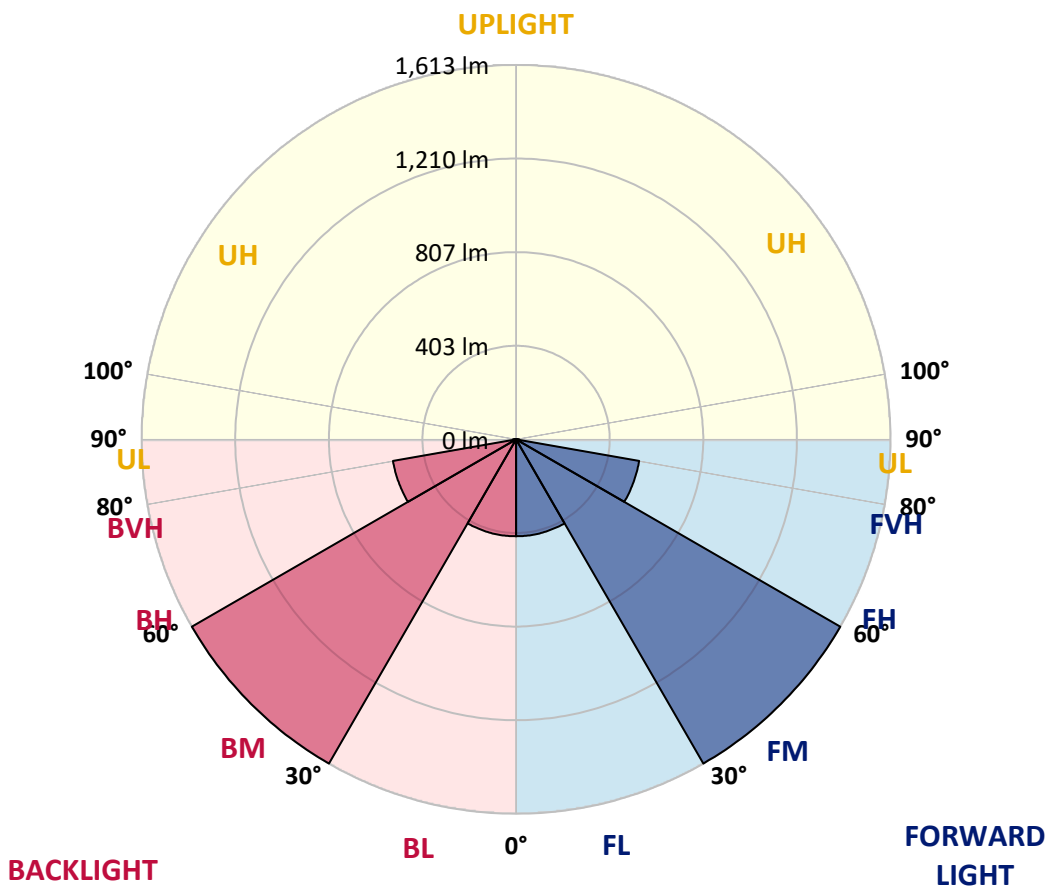
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	417.7	8.1			
FM (30°-60°)	1613.4	31.2			
FH (60°-80°)	538.6	10.4			G0/660
FVH (80°-90°)	13.7	0.3			G1/100
BL (0°-30°)	417.7	8.1	B1/500		
BM (30°-60°)	1613.4	31.2	B2/2500		
BH (60°-80°)	538.6	10.4	B2/1000		G0/660
BVH (80°-90°)	13.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2
2.5°	937.6	938.5	940.3	941.6	943.3	945.1	946.0	944.2	943.3	939.8	943.8
5°	938.5	939.4	940.7	940.7	941.1	942.5	942.5	940.3	938.1	934.1	938.5
7.5°	937.2	938.1	938.5	938.1	938.5	938.9	938.1	935.4	933.2	929.7	933.2
10°	935.0	935.9	936.8	935.9	935.0	936.3	936.3	934.6	933.2	929.7	933.7
12.5°	939.8	941.1	941.6	939.4	938.5	938.9	938.9	937.2	937.2	934.1	938.5
15°	951.2	952.1	950.8	948.2	948.6	949.9	946.8	942.5	941.6	940.3	943.8
17.5°	960.0	960.9	959.6	957.8	960.9	963.9	958.2	949.9	947.3	946.4	950.3
20°	969.6	971.0	969.2	971.4	977.5	981.0	974.0	962.6	957.4	956.0	960.9
22.5°	985.4	987.2	987.2	992.0	1001.2	1006.9	998.1	982.8	974.9	972.7	977.5
25°	1010.4	1011.7	1013.1	1022.7	1037.6	1045.5	1031.5	1010.4	999.5	996.0	998.6
27.5°	1045.1	1047.3	1049.5	1063.5	1081.9	1093.3	1073.1	1046.8	1033.2	1026.2	1031.5
30°	1086.3	1089.4	1094.6	1110.4	1136.3	1149.0	1123.1	1091.1	1075.8	1068.3	1075.3
32.5°	1142.4	1142.9	1146.8	1164.4	1198.6	1213.0	1180.6	1145.1	1129.3	1120.5	1124.5
35°	1209.1	1209.5	1203.4	1221.4	1258.2	1274.4	1236.3	1200.3	1187.2	1184.5	1194.6
37.5°	1277.5	1273.6	1267.4	1275.3	1312.6	1323.1	1282.8	1252.1	1246.4	1251.2	1266.1
40°	1326.2	1319.6	1307.3	1313.0	1350.7	1363.0	1320.0	1291.1	1289.3	1301.2	1319.2
42.5°	1357.8	1350.7	1336.3	1336.3	1362.1	1367.4	1334.1	1318.7	1322.7	1336.3	1353.4
45°	1373.1	1369.2	1360.8	1356.4	1370.9	1373.1	1347.7	1341.5	1349.0	1355.6	1368.7
47.5°	1385.0	1385.0	1382.3	1377.9	1384.5	1385.8	1367.0	1365.2	1374.9	1374.9	1383.6
50°	1406.0	1408.2	1411.7	1410.8	1417.8	1422.2	1408.2	1405.6	1409.5	1396.8	1401.2
52.5°	1461.3	1467.0	1477.1	1484.9	1502.9	1516.5	1491.5	1470.5	1449.9	1421.8	1422.7
55°	1560.4	1563.0	1582.7	1606.0	1636.2	1663.9	1612.6	1547.2	1502.5	1469.6	1470.0
57.5°	1644.1	1648.1	1677.0	1725.7	1793.7	1836.7	1723.1	1613.9	1550.7	1510.4	1511.7
60°	1571.8	1566.5	1621.3	1704.7	1827.9	1882.7	1715.2	1566.1	1475.3	1425.3	1428.8
62.5°	1216.1	1206.0	1267.0	1354.3	1502.0	1556.9	1402.5	1259.5	1173.6	1134.5	1128.8
65°	740.3	731.1	774.9	828.4	928.4	963.1	892.5	816.6	741.6	717.9	711.3
67.5°	403.0	401.7	413.6	439.9	483.7	500.0	486.4	450.4	431.1	414.4	414.4
70°	319.7	317.1	314.9	315.3	319.3	321.5	321.9	320.1	322.3	322.8	321.0
72.5°	264.9	264.0	259.6	260.1	258.3	257.4	260.5	262.3	265.8	266.2	266.2
75°	192.1	189.9	192.1	192.5	190.8	190.8	193.0	192.5	194.3	195.2	190.3
77.5°	109.2	109.2	112.3	115.8	118.4	118.4	120.6	120.6	122.8	122.4	121.5
80°	60.1	60.1	61.8	64.0	66.7	69.3	71.5	71.9	73.2	72.8	71.5
82.5°	34.2	34.6	35.5	36.8	39.5	41.7	43.9	44.3	45.6	45.6	44.3
85°	16.2	15.8	16.2	17.1	18.4	20.2	22.4	23.7	24.6	24.6	23.7
87.5°	3.1	3.5	3.1	3.5	3.9	5.3	6.1	7.0	8.3	8.8	7.9
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)