

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: P630375

Luminaire Tested: GWS-SA1D-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630375  
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-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

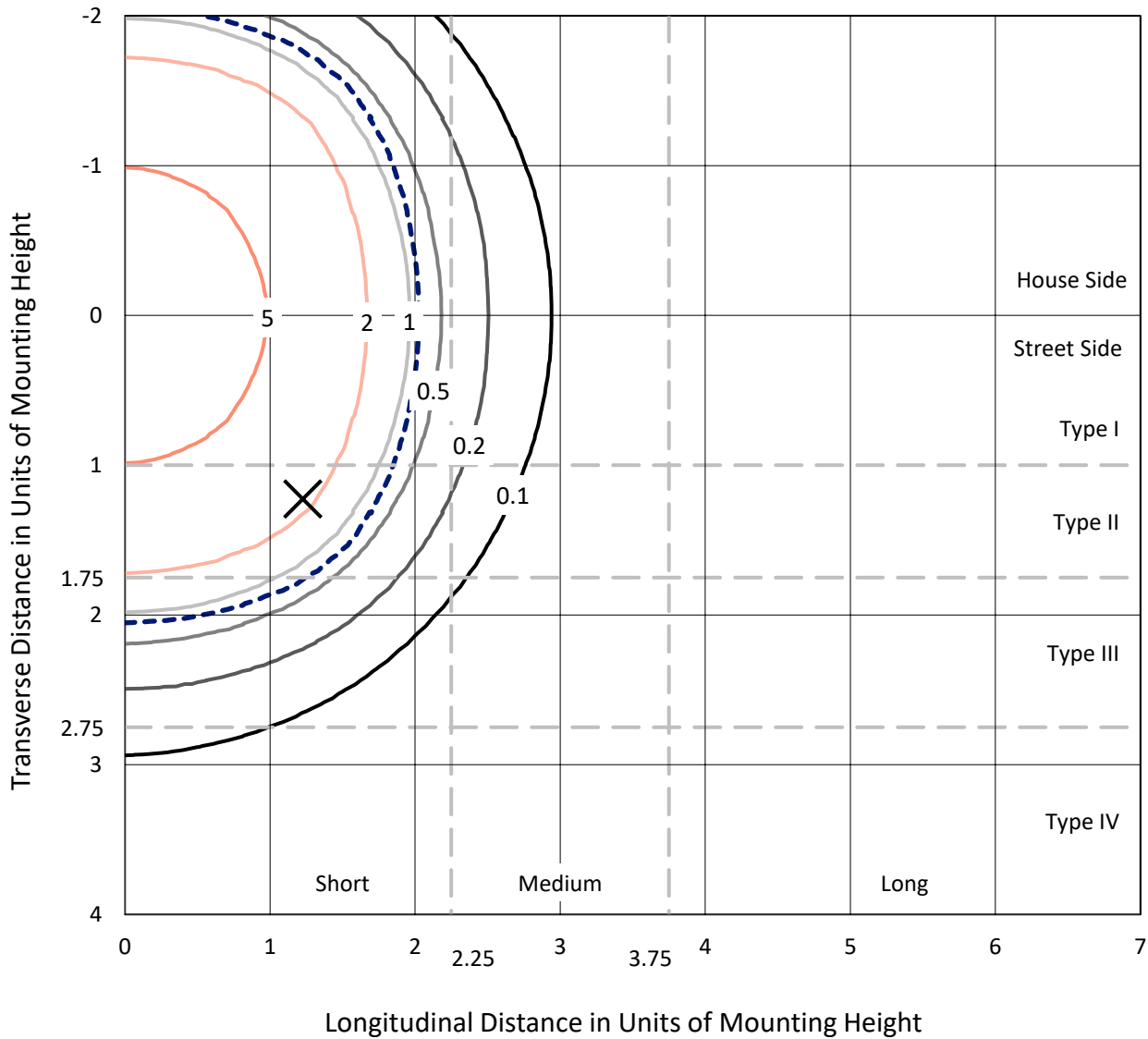
Lumens per Lamp: N/A  
Luminaire Lumens: 5238.5 lumens  
Efficiency: N/A  
Efficacy: 118.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

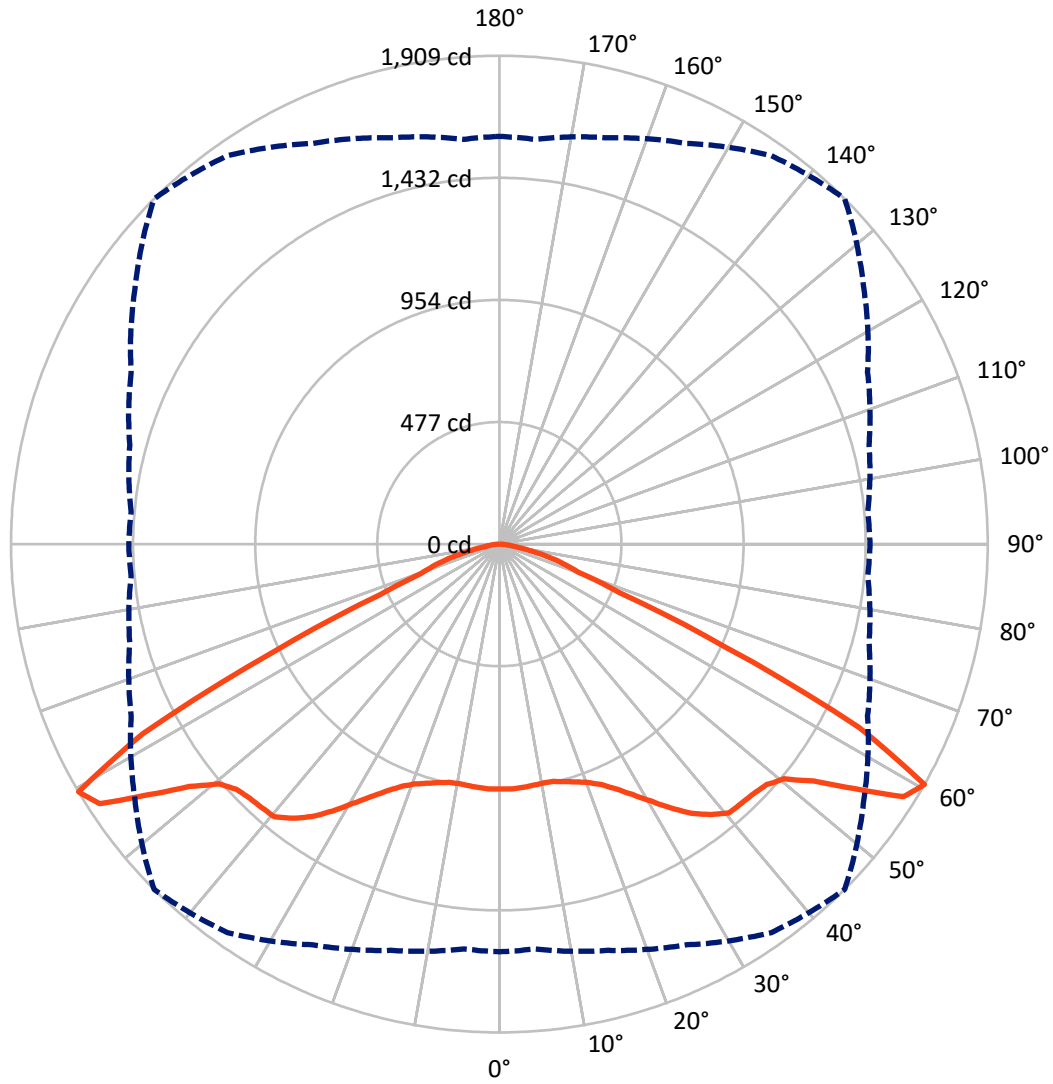
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 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	2619.2	0.0	2619.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2619.2	0.0	2619.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5238.5	0.0	5238.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.8	1.7
10°-20°	273.1	5.2
20°-30°	483.1	9.2
30°-40°	777.8	14.8
40°-50°	1069.1	20.4
50°-60°	1424.7	27.2
60°-70°	887.9	17.0
70°-80°	204.2	3.9
80°-90°	27.7	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°	5238.5	100.0
0°-180°	5238.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630375

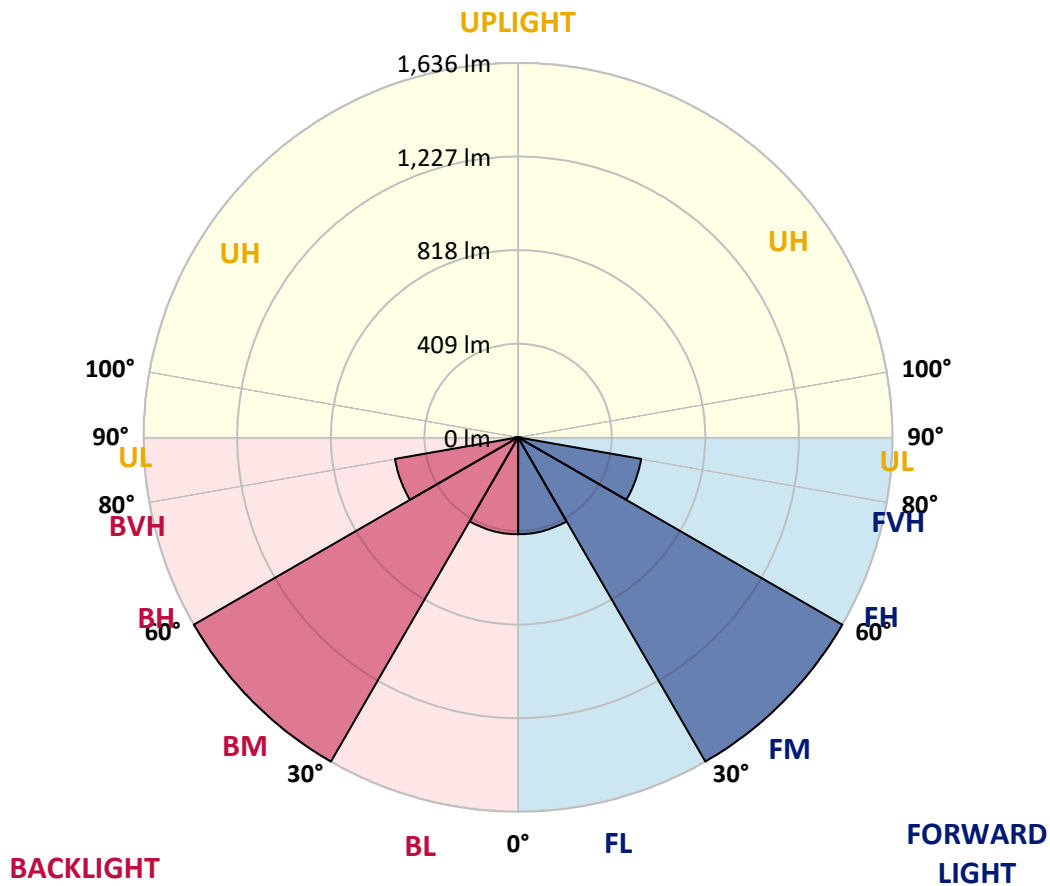
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	423.5	8.1			
FM (30°-60°)	1635.8	31.2			
FH (60°-80°)	546.1	10.4			G0/660
FVH (80°-90°)	13.9	0.3			G1/100
BL (0°-30°)	423.5	8.1	B1/500		
BM (30°-60°)	1635.8	31.2	B2/2500		
BH (60°-80°)	546.1	10.4	B2/1000		G0/660
BVH (80°-90°)	13.9	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°	957.3	957.3	957.3	957.3	957.3	957.3	957.3	957.3	957.3	957.3	957.3
2.5°	950.7	951.5	953.3	954.7	956.4	958.2	959.1	957.3	956.4	952.9	956.9
5°	951.5	952.4	953.8	953.8	954.2	955.5	955.5	953.3	951.1	947.1	951.5
7.5°	950.2	951.1	951.5	951.1	951.5	952.0	951.1	948.4	946.2	942.7	946.2
10°	948.0	948.9	949.8	948.9	948.0	949.3	949.3	947.5	946.2	942.7	946.7
12.5°	952.9	954.2	954.7	952.4	951.5	952.0	952.0	950.2	950.2	947.1	951.5
15°	964.4	965.3	964.0	961.3	961.8	963.1	960.0	955.5	954.7	953.3	956.9
17.5°	973.3	974.2	972.9	971.1	974.2	977.3	971.6	963.1	960.4	959.6	963.6
20°	983.1	984.5	982.7	984.9	991.1	994.7	987.6	976.0	970.7	969.3	974.2
22.5°	999.1	1000.9	1000.9	1005.8	1015.1	1020.9	1012.0	996.5	988.5	986.2	991.1
25°	1024.5	1025.8	1027.1	1036.9	1052.0	1060.0	1045.8	1024.5	1013.4	1009.8	1012.5
27.5°	1059.6	1061.8	1064.0	1078.3	1096.9	1108.5	1088.1	1061.4	1047.6	1040.5	1045.8
30°	1101.4	1104.5	1109.8	1125.9	1152.1	1165.0	1138.7	1106.3	1090.7	1083.2	1090.3
32.5°	1158.3	1158.8	1162.8	1180.5	1215.2	1229.9	1197.0	1161.0	1145.0	1136.1	1140.1
35°	1225.9	1226.3	1220.1	1238.3	1275.7	1292.1	1253.5	1217.0	1203.7	1201.0	1211.2
37.5°	1295.3	1291.3	1285.0	1293.0	1330.8	1341.5	1300.6	1269.5	1263.7	1268.6	1283.7
40°	1344.6	1337.9	1325.5	1331.3	1369.5	1382.0	1338.4	1309.0	1307.3	1319.3	1337.5
42.5°	1376.6	1369.5	1354.8	1354.8	1381.1	1386.4	1352.6	1337.1	1341.1	1354.8	1372.2
45°	1392.2	1388.2	1379.7	1375.3	1390.0	1392.2	1366.4	1360.2	1367.7	1374.4	1387.7
47.5°	1404.2	1404.2	1401.5	1397.1	1403.8	1405.1	1386.0	1384.2	1394.0	1394.0	1402.9
50°	1425.5	1427.8	1431.3	1430.4	1437.5	1442.0	1427.8	1425.1	1429.1	1416.2	1420.7
52.5°	1481.6	1487.3	1497.6	1505.6	1523.8	1537.6	1512.2	1490.9	1470.0	1441.6	1442.4
55°	1582.1	1584.7	1604.7	1628.3	1659.0	1687.0	1635.0	1568.7	1523.4	1490.0	1490.5
57.5°	1667.0	1671.0	1700.3	1749.7	1818.6	1862.2	1747.0	1636.3	1572.3	1531.4	1532.7
60°	1593.6	1588.3	1643.9	1728.3	1853.3	1908.9	1739.0	1587.8	1495.8	1445.1	1448.7
62.5°	1233.0	1222.8	1284.6	1373.1	1522.9	1578.5	1422.0	1277.0	1189.9	1150.3	1144.5
65°	750.6	741.2	785.7	839.9	941.3	976.4	904.9	827.9	751.9	727.9	721.2
67.5°	408.6	407.3	419.3	446.0	490.4	506.9	493.1	456.7	437.1	420.2	420.2
70°	324.1	321.5	319.3	319.7	323.7	325.9	326.4	324.6	326.8	327.3	325.5
72.5°	268.6	267.7	263.2	263.7	261.9	261.0	264.1	265.9	269.5	269.9	269.9
75°	194.8	192.5	194.8	195.2	193.4	193.4	195.6	195.2	197.0	197.9	193.0
77.5°	110.7	110.7	113.8	117.4	120.1	120.1	122.3	122.3	124.5	124.1	123.2
80°	60.9	60.9	62.7	64.9	67.6	70.3	72.5	72.9	74.3	73.8	72.5
82.5°	34.7	35.1	36.0	37.4	40.0	42.2	44.5	44.9	46.2	46.2	44.9
85°	16.5	16.0	16.5	17.3	18.7	20.5	22.7	24.0	24.9	24.9	24.0
87.5°	3.1	3.6	3.1	3.6	4.0	5.3	6.2	7.1	8.4	8.9	8.0
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)