

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: P631579

Luminaire Tested: GWS-SA2B-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631579
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-SA2B-722-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4451 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

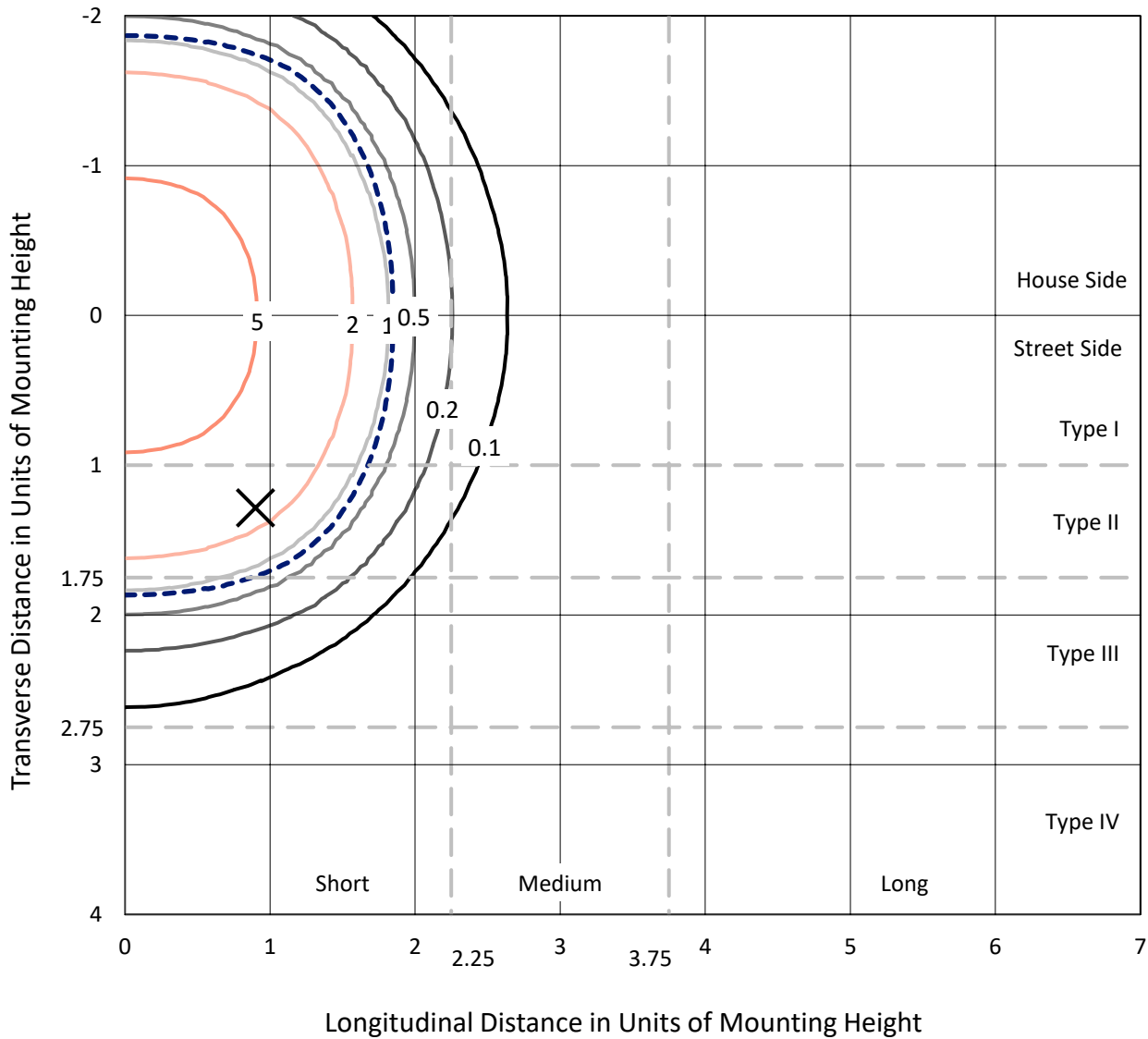
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

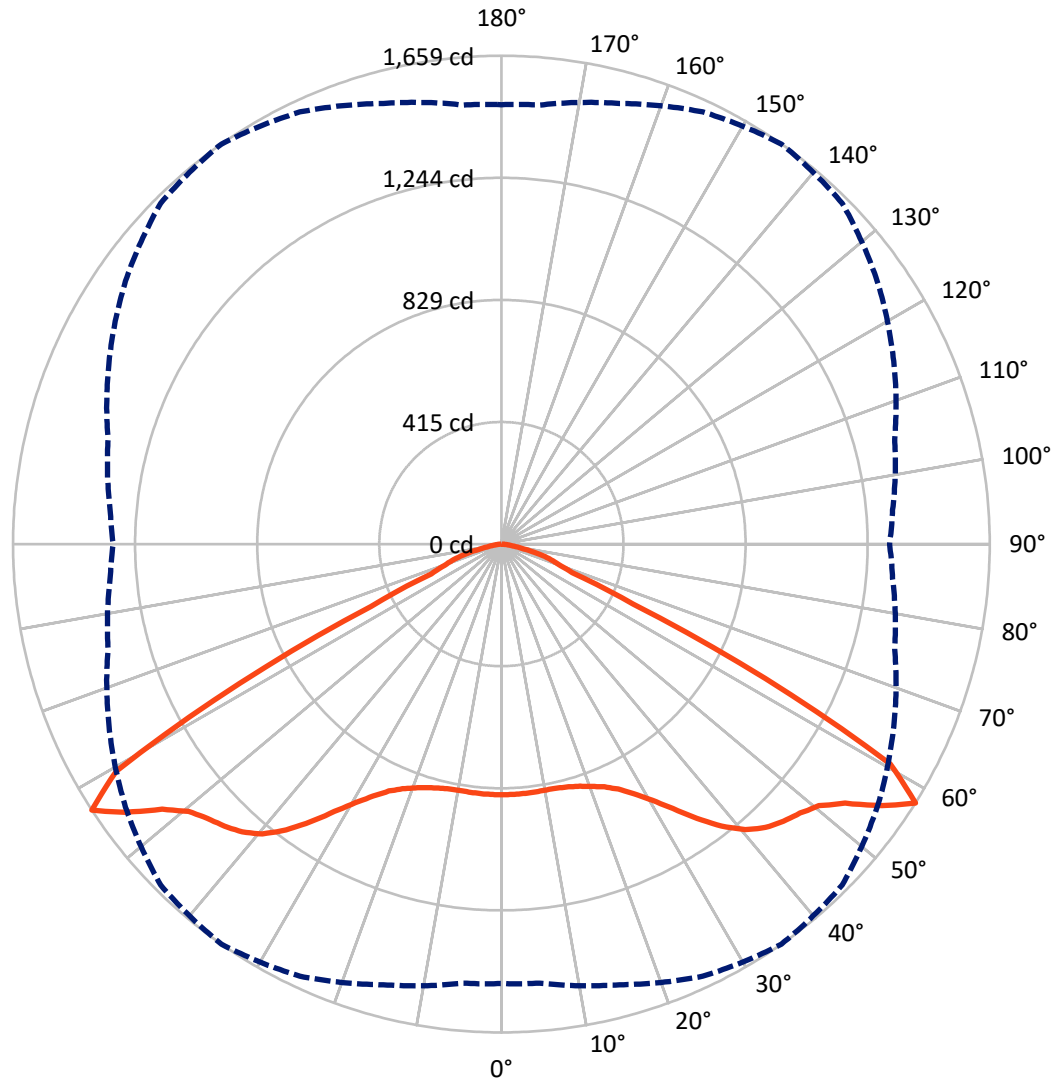
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 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
House Side	Lumens	2225.5	0.0	2225.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2225.5	0.0	2225.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4451.0	0.0	4451.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.0	1.8
10°-20°	241.7	5.4
20°-30°	421.8	9.5
30°-40°	691.6	15.5
40°-50°	1018.6	22.9
50°-60°	1299.9	29.2
60°-70°	547.8	12.3
70°-80°	130.9	2.9
80°-90°	17.8	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°	4451.0	100.0
0°-180°	4451.0	100.0

Coefficient of Utilization



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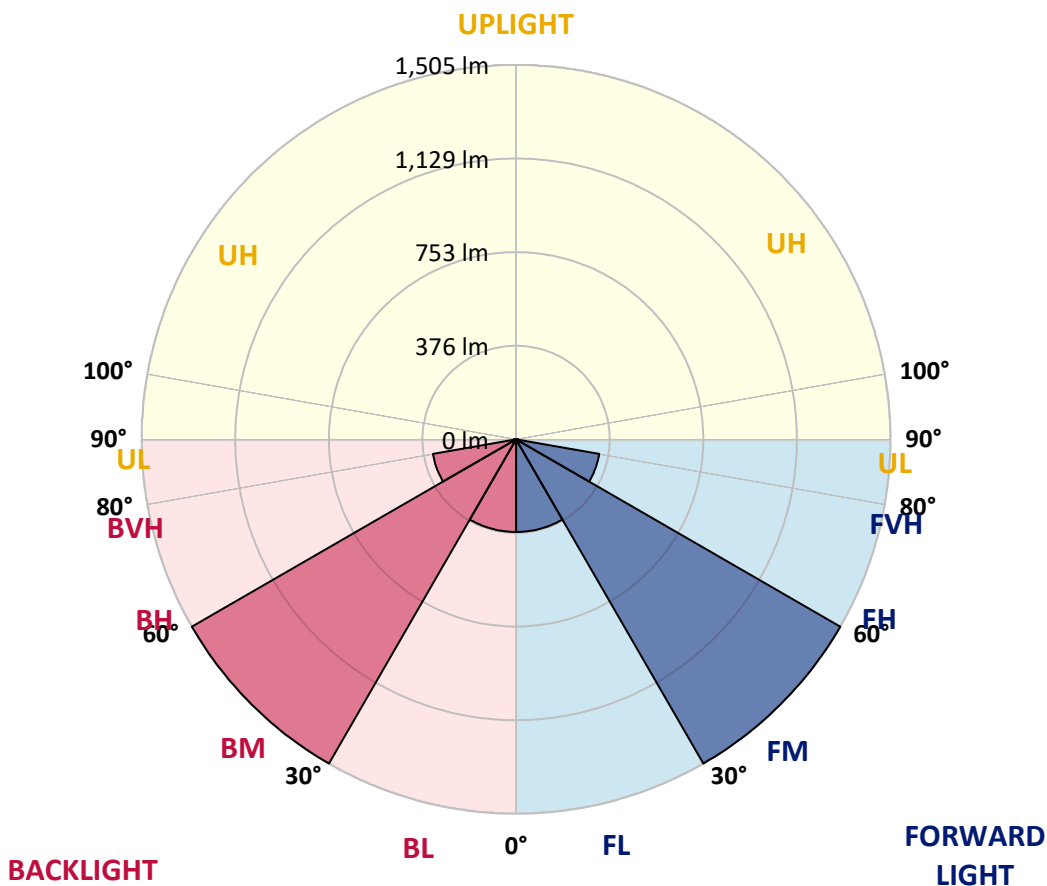
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	372.2	8.4			
FM (30°-60°)	1505.0	33.8			
FH (60°-80°)	339.3	7.6			G0/660
FVH (80°-90°)	8.9	0.2			G0/10
BL (0°-30°)	372.2	8.4	B1/500		
BM (30°-60°)	1505.0	33.8	B2/2500		
BH (60°-80°)	339.3	7.6	B1/500		G0/660
BVH (80°-90°)	8.9	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°	851.6	851.6	851.6	851.6	851.6	851.6	851.6	851.6	851.6	851.6	851.6
2.5°	846.5	846.5	848.4	850.2	850.9	854.2	853.8	852.7	852.0	849.8	852.7
5°	848.4	848.4	849.8	850.9	850.6	853.1	852.0	850.2	849.1	846.9	850.2
7.5°	848.0	848.0	849.1	850.2	849.5	851.6	849.8	847.3	845.5	843.3	846.2
10°	843.3	844.0	845.1	847.6	848.7	852.0	849.5	845.5	842.5	840.0	842.9
12.5°	842.5	843.3	844.7	848.0	849.8	854.6	851.3	844.7	840.4	837.1	840.0
15°	845.8	846.5	848.7	852.7	855.7	860.8	856.0	846.9	840.7	836.3	838.9
17.5°	849.8	850.9	854.2	860.0	864.8	870.2	864.4	853.5	844.7	838.9	841.1
20°	854.2	855.7	860.8	869.5	878.3	885.2	877.9	863.3	852.7	845.1	847.3
22.5°	861.9	863.7	870.2	882.6	895.7	905.9	896.8	877.2	863.3	853.5	855.3
25°	877.5	879.7	888.1	903.0	921.6	934.0	921.3	899.0	879.7	867.7	869.5
27.5°	905.2	906.3	917.2	936.9	959.9	974.1	958.8	932.5	911.0	897.2	898.7
30°	941.7	944.9	955.9	981.7	1009.1	1028.0	1008.0	977.0	952.2	935.5	936.9
32.5°	986.1	988.3	1004.7	1031.7	1071.0	1092.9	1065.6	1028.8	998.9	978.5	979.9
35°	1044.4	1046.2	1061.9	1096.2	1143.9	1164.3	1133.0	1090.7	1056.1	1036.8	1042.2
37.5°	1114.0	1117.3	1128.6	1162.5	1215.7	1235.7	1199.7	1160.3	1124.2	1106.4	1110.4
40°	1188.7	1188.4	1197.5	1227.4	1275.8	1288.2	1255.8	1224.4	1193.5	1181.8	1188.4
42.5°	1252.9	1251.1	1257.6	1282.4	1315.9	1317.0	1295.5	1278.0	1256.2	1248.1	1254.3
45°	1297.7	1298.4	1308.3	1325.4	1342.5	1333.4	1326.9	1323.9	1306.8	1295.9	1297.0
47.5°	1333.0	1336.0	1351.6	1363.3	1365.5	1350.2	1359.3	1363.7	1349.4	1332.7	1327.9
50°	1364.4	1369.1	1389.5	1401.9	1397.2	1377.9	1395.7	1402.3	1370.9	1338.9	1329.4
52.5°	1421.2	1426.7	1451.5	1467.5	1462.1	1442.7	1459.5	1436.2	1383.3	1344.0	1332.0
55°	1512.0	1514.5	1544.8	1571.0	1568.5	1544.8	1531.3	1479.5	1415.4	1374.6	1363.3
57.5°	1492.7	1497.0	1549.5	1619.5	1658.8	1637.3	1558.3	1470.1	1383.0	1333.8	1318.5
60°	1174.5	1185.1	1250.3	1373.5	1517.8	1517.4	1370.6	1233.6	1128.6	1063.4	1056.8
62.5°	685.8	693.1	752.5	877.2	1006.5	1014.5	911.4	817.4	725.6	681.5	660.3
65°	324.7	324.3	348.0	404.1	491.6	498.5	467.5	416.2	361.9	346.9	342.9
67.5°	239.8	239.8	238.0	242.0	258.7	262.4	258.7	250.4	245.3	248.5	246.3
70°	208.1	208.4	206.3	205.2	205.2	204.1	205.5	208.8	211.0	215.4	213.2
72.5°	168.7	169.1	169.1	169.5	169.8	168.4	170.5	172.4	172.7	174.2	172.7
75°	119.9	120.6	122.8	124.6	126.1	126.1	126.8	127.2	125.7	127.5	124.6
77.5°	66.0	66.7	70.7	74.0	77.3	77.6	78.7	79.4	78.7	80.2	78.0
80°	36.4	37.2	39.0	40.5	43.0	45.2	46.6	47.4	47.4	48.5	47.4
82.5°	20.8	21.5	22.6	23.3	25.5	27.3	28.8	29.9	29.9	30.2	29.5
85°	9.8	9.8	10.6	11.3	12.4	13.1	14.9	16.0	16.0	16.8	16.0
87.5°	1.5	1.8	2.2	2.2	2.9	3.6	4.4	4.7	5.5	5.8	5.8
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)