

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: P631908

Luminaire Tested: GWS-SA2B-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-760-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4254.1 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

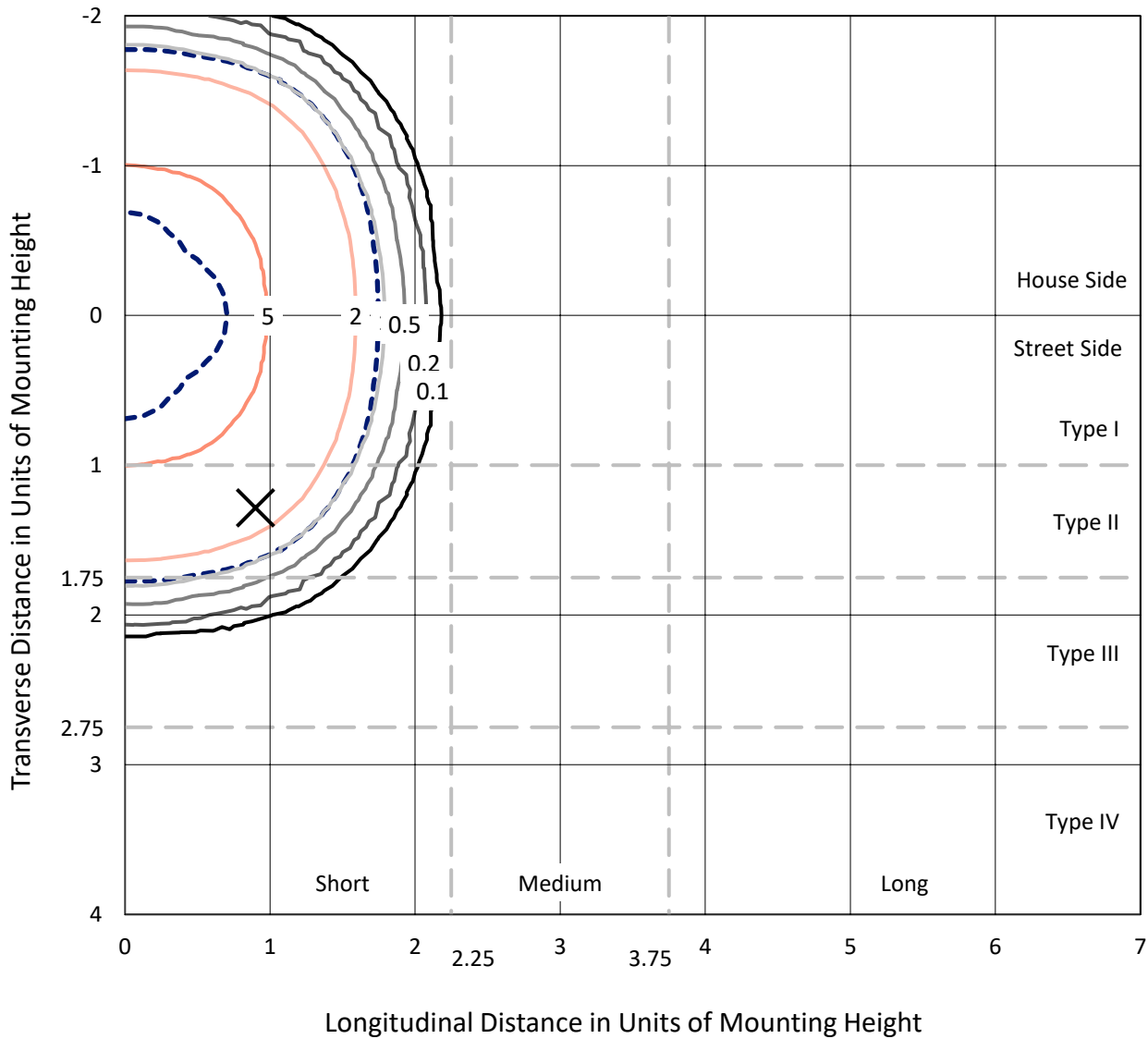
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

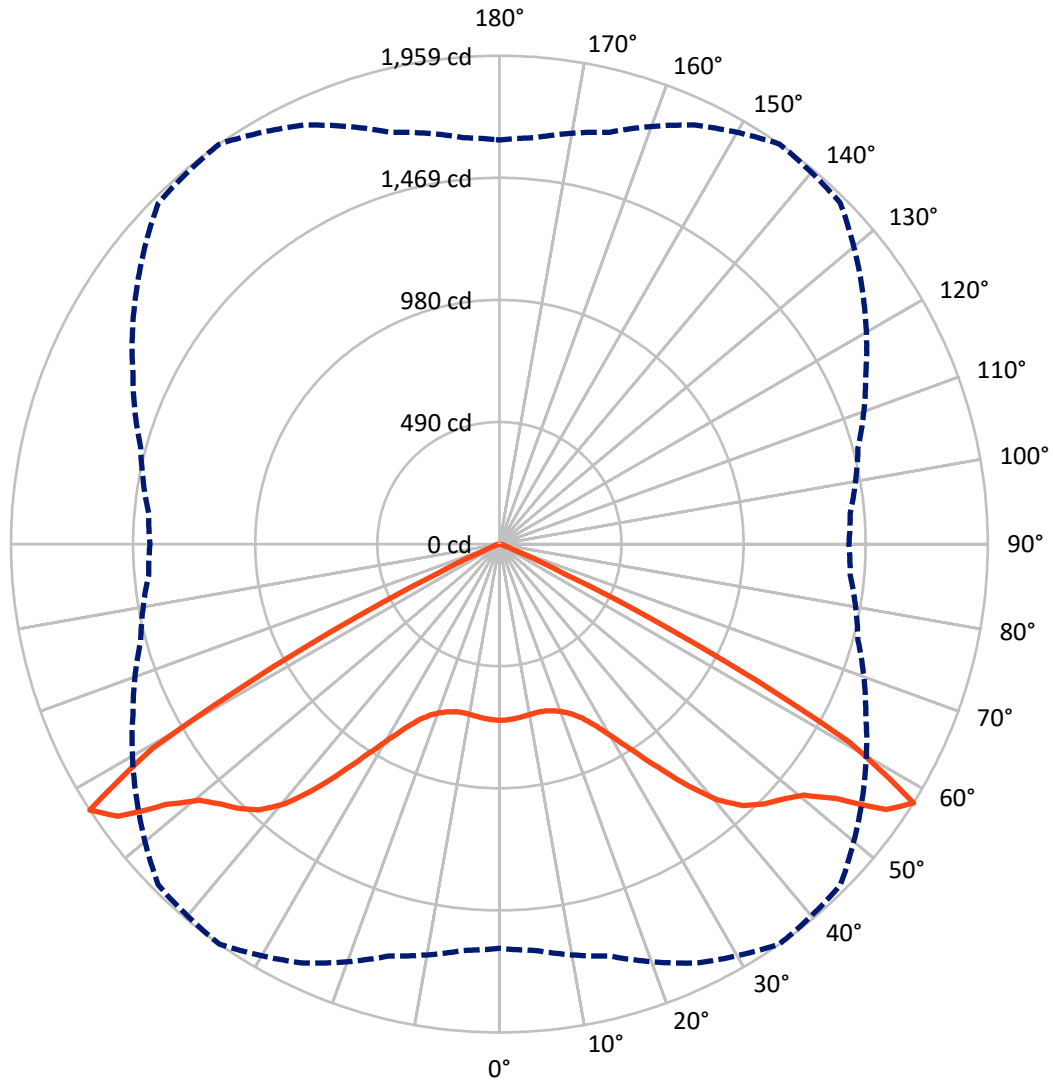
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 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	2127.0	0.0	2127.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2127.0	0.0	2127.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4254.1	0.0	4254.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	1.6
10°-20°	196.0	4.6
20°-30°	354.3	8.3
30°-40°	661.0	15.5
40°-50°	1108.8	26.1
50°-60°	1464.3	34.4
60°-70°	388.9	9.1
70°-80°	13.8	0.3
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°	4254.1	100.0
0°-180°	4254.1	100.0

Coefficient of Utilization



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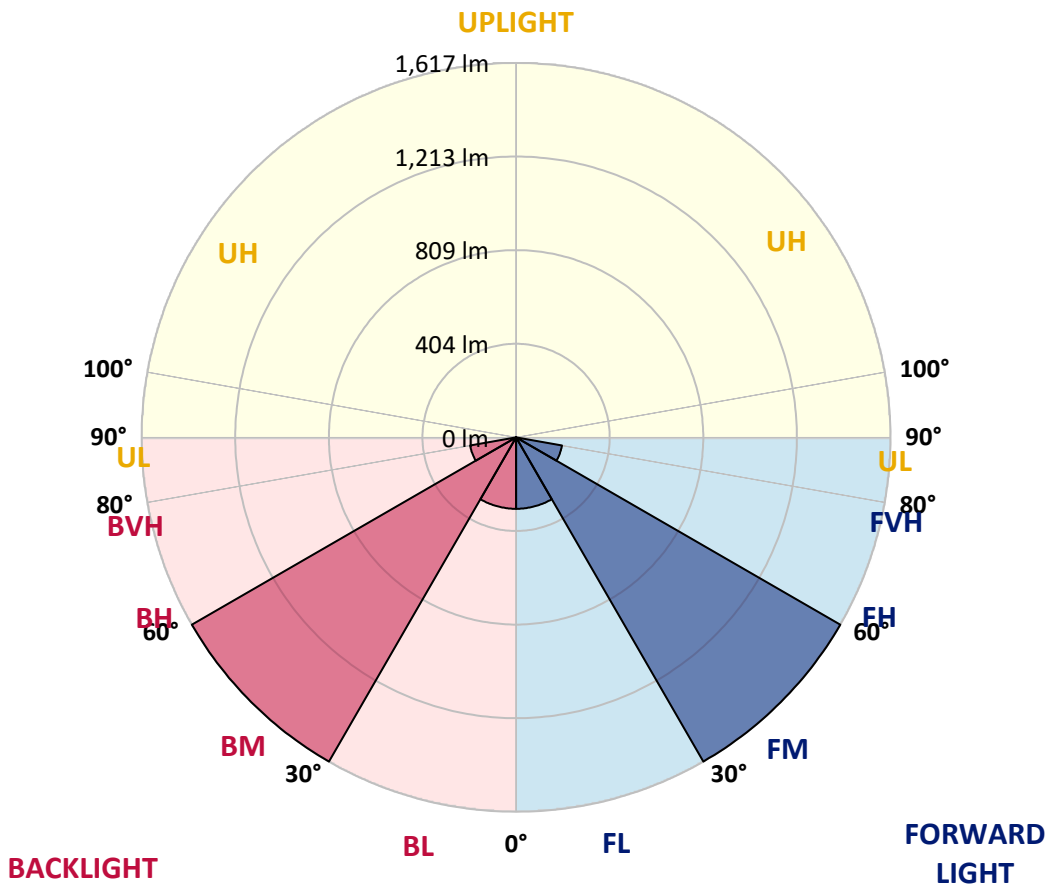
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.5	7.3			
FM (30°-60°)	1617.1	38.0			
FH (60°-80°)	201.4	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	308.5	7.3	B1/500		
BM (30°-60°)	1617.1	38.0	B2/2500		
BH (60°-80°)	201.4	4.7	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°	707.3	707.3	707.3	707.3	707.3	707.3	707.3	707.3	707.3	707.3	707.3
2.5°	702.3	701.8	703.8	705.3	705.3	708.8	707.8	706.8	705.8	704.3	707.8
5°	701.3	700.8	702.3	703.3	702.3	705.3	703.3	701.3	700.3	698.3	702.3
7.5°	696.8	697.3	698.3	699.3	697.8	700.3	697.8	694.8	692.3	690.3	693.8
10°	689.8	690.3	691.3	693.3	693.8	697.3	693.8	688.3	684.8	681.8	685.3
12.5°	686.3	686.8	688.3	690.8	691.3	695.8	691.3	683.3	678.3	674.8	678.3
15°	687.3	688.3	690.3	693.3	694.3	698.8	692.8	682.3	675.3	670.8	673.8
17.5°	690.8	691.8	694.8	699.8	703.3	707.8	700.3	686.8	677.3	670.8	673.8
20°	695.3	696.8	701.8	709.8	717.3	725.3	715.8	697.3	684.8	676.8	679.3
22.5°	707.8	709.3	716.3	726.7	739.2	749.2	737.7	714.3	697.3	686.8	689.3
25°	733.2	734.7	743.7	757.2	773.2	786.1	771.7	742.2	720.3	708.3	709.3
27.5°	773.2	774.7	785.1	804.1	825.6	844.0	823.1	788.6	763.7	749.7	749.7
30°	823.6	825.6	839.6	865.0	898.5	922.9	894.5	852.5	820.6	801.6	802.1
32.5°	888.5	886.5	906.4	941.4	988.8	1021.2	979.3	928.4	889.0	862.5	865.0
35°	971.8	971.3	993.8	1041.2	1103.1	1142.0	1092.1	1026.2	978.8	951.9	952.4
37.5°	1079.1	1078.6	1104.6	1156.0	1230.4	1262.8	1206.9	1140.0	1089.1	1063.2	1066.2
40°	1204.9	1201.9	1224.9	1274.3	1348.7	1369.6	1308.7	1254.8	1205.9	1189.5	1197.4
42.5°	1324.7	1318.2	1331.7	1376.6	1434.0	1437.0	1391.1	1354.2	1320.7	1307.7	1312.7
45°	1421.1	1416.1	1428.5	1454.5	1487.4	1472.5	1450.5	1439.0	1412.1	1398.1	1402.6
47.5°	1492.9	1492.9	1507.9	1523.9	1528.9	1501.4	1504.9	1504.9	1478.0	1456.0	1450.5
50°	1554.8	1559.3	1581.8	1598.2	1581.8	1546.8	1566.8	1562.8	1507.9	1464.0	1452.5
52.5°	1653.7	1658.1	1692.6	1715.0	1696.6	1662.1	1664.6	1614.7	1533.9	1481.9	1464.0
55°	1758.5	1769.5	1819.4	1879.3	1879.8	1844.3	1778.4	1690.1	1591.8	1535.4	1516.9
57.5°	1621.2	1636.2	1710.6	1854.8	1959.1	1934.7	1777.4	1622.2	1489.4	1412.6	1402.1
60°	1115.6	1141.5	1215.9	1413.1	1614.2	1623.7	1438.0	1263.8	1111.6	1016.7	1018.7
62.5°	471.2	497.6	539.6	701.8	886.5	898.0	808.1	683.3	559.0	490.7	501.1
65°	110.8	118.3	130.8	194.2	281.5	294.5	271.5	211.6	156.2	132.3	134.8
67.5°	48.4	49.4	46.9	49.9	61.9	63.4	61.4	53.9	50.9	51.9	51.9
70°	33.9	34.4	32.4	30.9	29.4	27.5	28.5	31.4	33.9	35.9	35.4
72.5°	21.0	21.5	22.0	22.0	20.5	18.5	19.5	21.5	22.0	22.5	22.0
75°	10.5	11.0	12.0	12.5	12.0	11.5	11.5	12.0	12.0	11.5	11.5
77.5°	2.0	2.5	3.5	4.0	4.0	4.0	4.0	4.0	4.5	4.0	4.0
80°	0.5	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.5	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	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
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)