

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: P629929

Luminaire Tested: GWS-SA1C-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629929
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-SA1C-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 4246 lumens
Efficiency: N/A
Efficacy: 124.5 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

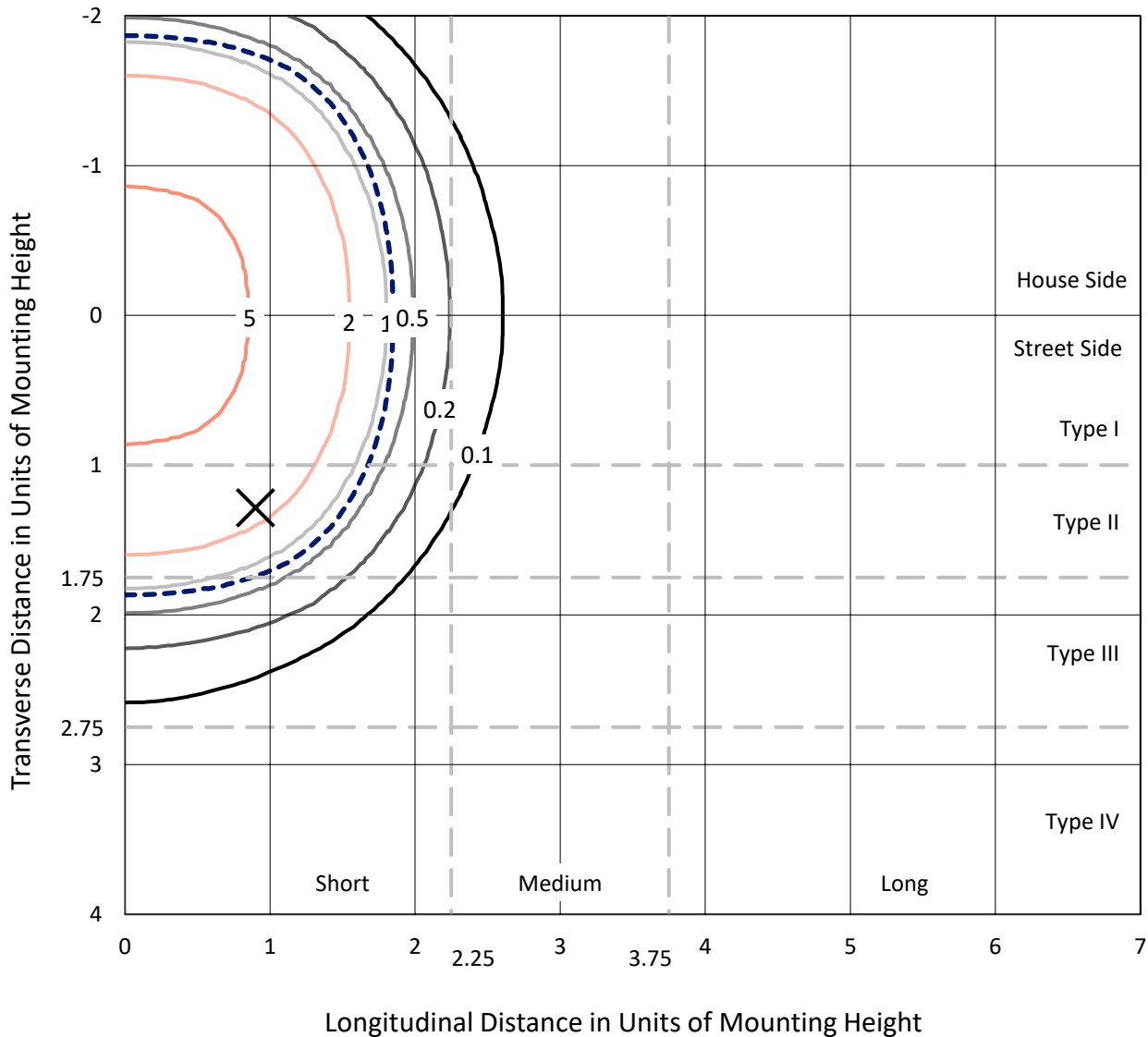
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

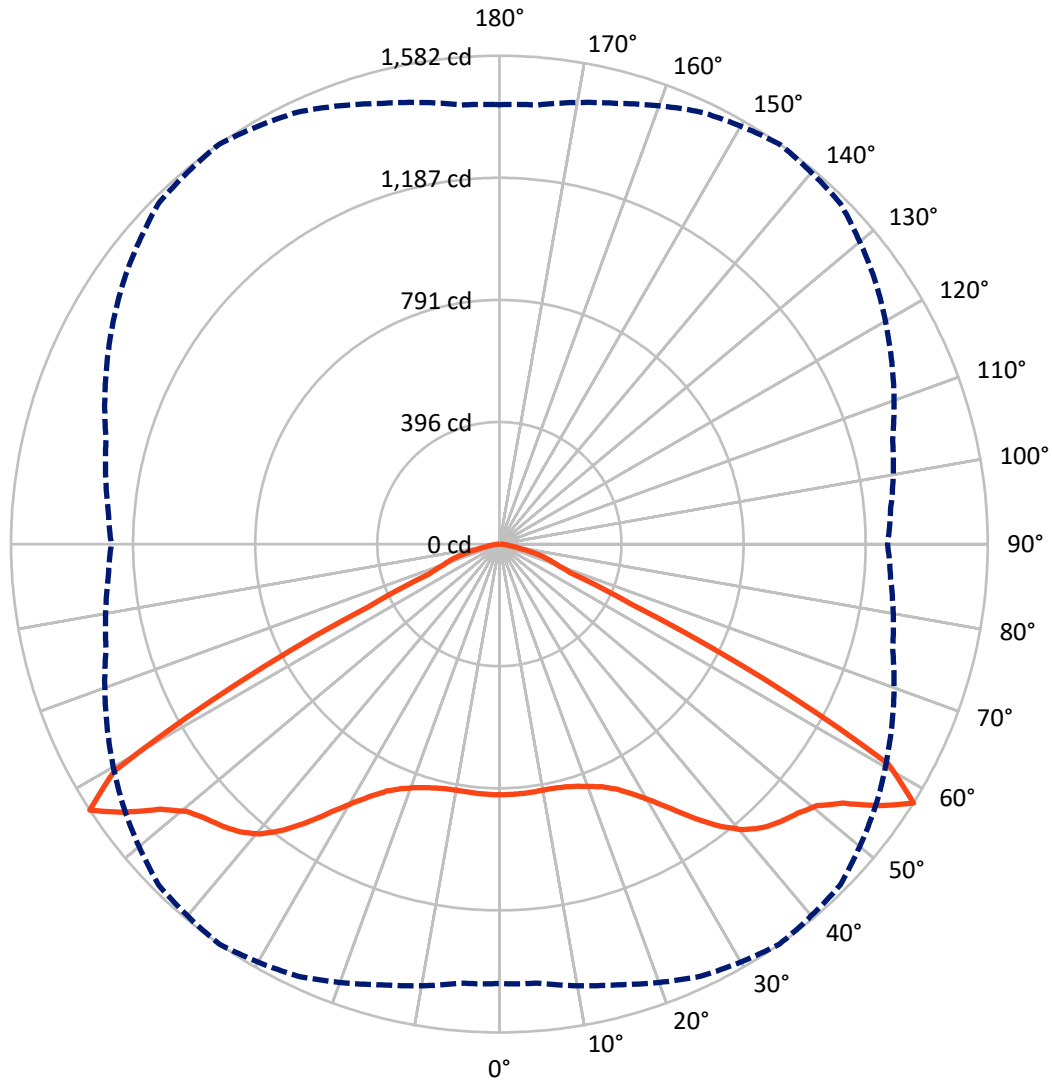
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 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	2123.0	0.0	2123.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2123.0	0.0	2123.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4246.0	0.0	4246.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	1.8
10°-20°	230.6	5.4
20°-30°	402.3	9.5
30°-40°	659.7	15.5
40°-50°	971.6	22.9
50°-60°	1240.0	29.2
60°-70°	522.6	12.3
70°-80°	124.8	2.9
80°-90°	17.0	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°	4246.0	100.0
0°-180°	4246.0	100.0

Coefficient of Utilization



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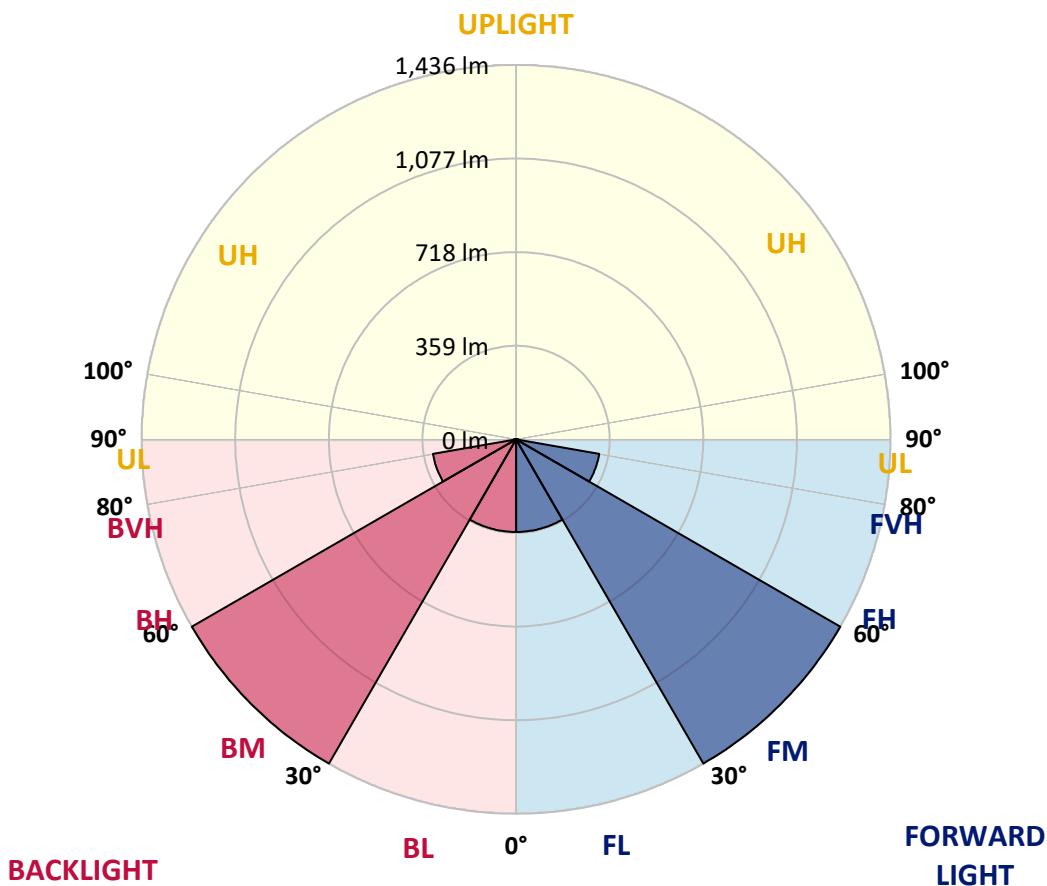
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	355.1	8.4			
FM (30°-60°)	1435.7	33.8			
FH (60°-80°)	323.7	7.6			G0/660
FVH (80°-90°)	8.5	0.2			G0/10
BL (0°-30°)	355.1	8.4	B1/500		
BM (30°-60°)	1435.7	33.8	B2/2500		
BH (60°-80°)	323.7	7.6	B1/500		G0/660
BVH (80°-90°)	8.5	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°	812.4	812.4	812.4	812.4	812.4	812.4	812.4	812.4	812.4	812.4	812.4
2.5°	807.6	807.6	809.3	811.0	811.7	814.9	814.5	813.5	812.8	810.7	813.5
5°	809.3	809.3	810.7	811.7	811.4	813.8	812.8	811.0	810.0	807.9	811.0
7.5°	808.9	808.9	810.0	811.0	810.3	812.4	810.7	808.3	806.5	804.4	807.2
10°	804.4	805.1	806.2	808.6	809.6	812.8	810.3	806.5	803.7	801.3	804.1
12.5°	803.7	804.4	805.8	808.9	810.7	815.2	812.1	805.8	801.6	798.5	801.3
15°	806.9	807.6	809.6	813.5	816.2	821.1	816.6	807.9	802.0	797.8	800.3
17.5°	810.7	811.7	814.9	820.4	824.9	830.2	824.6	814.2	805.8	800.3	802.3
20°	814.9	816.2	821.1	829.5	837.8	844.4	837.5	823.5	813.5	806.2	808.3
22.5°	822.2	823.9	830.2	842.0	854.5	864.2	855.5	836.8	823.5	814.2	815.9
25°	837.1	839.2	847.2	861.4	879.2	891.0	878.8	857.6	839.2	827.7	829.5
27.5°	863.5	864.6	875.0	893.8	915.7	929.2	914.6	889.6	869.1	855.9	857.3
30°	898.3	901.4	911.8	936.5	962.6	980.7	961.6	932.0	908.4	892.4	893.8
32.5°	940.7	942.8	958.4	984.2	1021.7	1042.6	1016.5	981.4	952.9	933.4	934.8
35°	996.3	998.1	1013.0	1045.7	1091.2	1110.7	1080.8	1040.5	1007.4	989.0	994.2
37.5°	1062.7	1065.8	1076.6	1109.0	1159.7	1178.8	1144.4	1106.9	1072.5	1055.4	1059.2
40°	1134.0	1133.6	1142.3	1170.8	1217.1	1228.9	1198.0	1168.1	1138.5	1127.4	1133.6
42.5°	1195.2	1193.4	1199.7	1223.3	1255.3	1256.4	1235.8	1219.2	1198.3	1190.7	1196.6
45°	1237.9	1238.6	1248.0	1264.3	1280.7	1272.0	1265.7	1263.0	1246.6	1236.2	1237.2
47.5°	1271.6	1274.4	1289.4	1300.5	1302.6	1288.0	1296.7	1300.9	1287.3	1271.3	1266.8
50°	1301.5	1306.1	1325.5	1337.4	1332.8	1314.4	1331.4	1337.7	1307.8	1277.2	1268.2
52.5°	1355.8	1361.0	1384.6	1399.9	1394.7	1376.3	1392.3	1370.0	1319.6	1282.1	1270.6
55°	1442.3	1444.8	1473.6	1498.7	1496.2	1473.6	1460.8	1411.4	1350.2	1311.3	1300.5
57.5°	1423.9	1428.1	1478.1	1544.9	1582.4	1561.9	1486.5	1402.4	1319.3	1272.3	1257.7
60°	1120.4	1130.5	1192.7	1310.2	1447.9	1447.6	1307.5	1176.7	1076.6	1014.4	1008.1
62.5°	654.2	661.2	717.9	836.8	960.2	967.8	869.4	779.7	692.1	650.1	629.9
65°	309.7	309.4	332.0	385.5	469.0	475.6	446.0	397.0	345.2	330.9	327.1
67.5°	228.7	228.7	227.0	230.8	246.8	250.3	246.8	238.8	234.0	237.1	235.0
70°	198.5	198.8	196.8	195.7	195.7	194.7	196.1	199.2	201.3	205.5	203.4
72.5°	161.0	161.3	161.3	161.7	162.0	160.6	162.7	164.4	164.8	166.2	164.8
75°	114.4	115.1	117.2	118.9	120.3	120.3	121.0	121.3	119.9	121.7	118.9
77.5°	62.9	63.6	67.4	70.6	73.7	74.0	75.1	75.8	75.1	76.5	74.4
80°	34.8	35.5	37.2	38.6	41.0	43.1	44.5	45.2	45.2	46.2	45.2
82.5°	19.8	20.5	21.6	22.2	24.3	26.1	27.5	28.5	28.5	28.9	28.2
85°	9.4	9.4	10.1	10.8	11.8	12.5	14.3	15.3	15.3	16.0	15.3
87.5°	1.4	1.7	2.1	2.1	2.8	3.5	4.2	4.5	5.2	5.6	5.6
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)