

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: P629821

Luminaire Tested: GWS-SA1C-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629821
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4208.6 lumens
Efficiency: N/A
Efficacy: 123.4 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

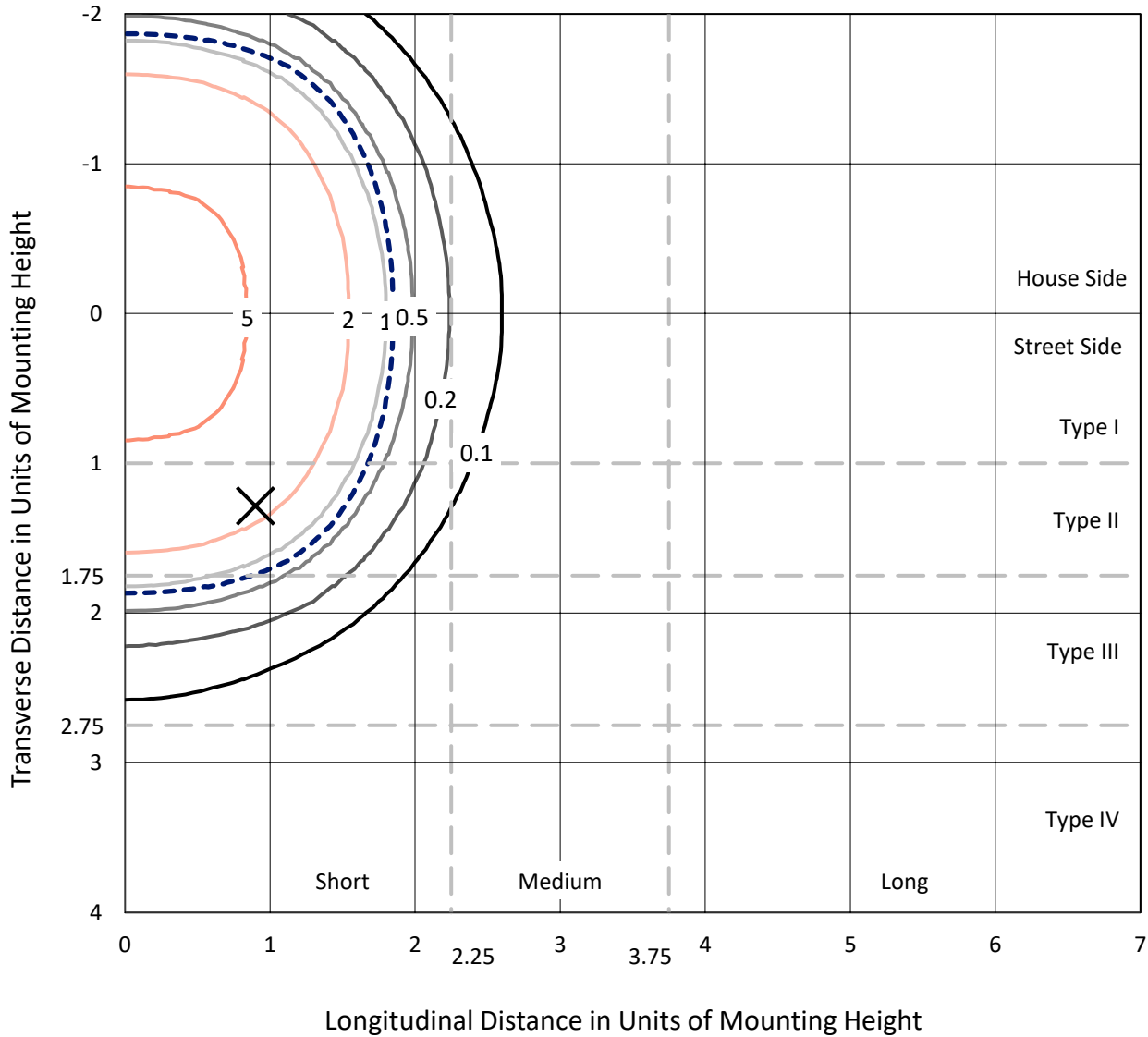
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629821
 CATALOG NUMBER: GWS-SA1C-740-U-5MQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

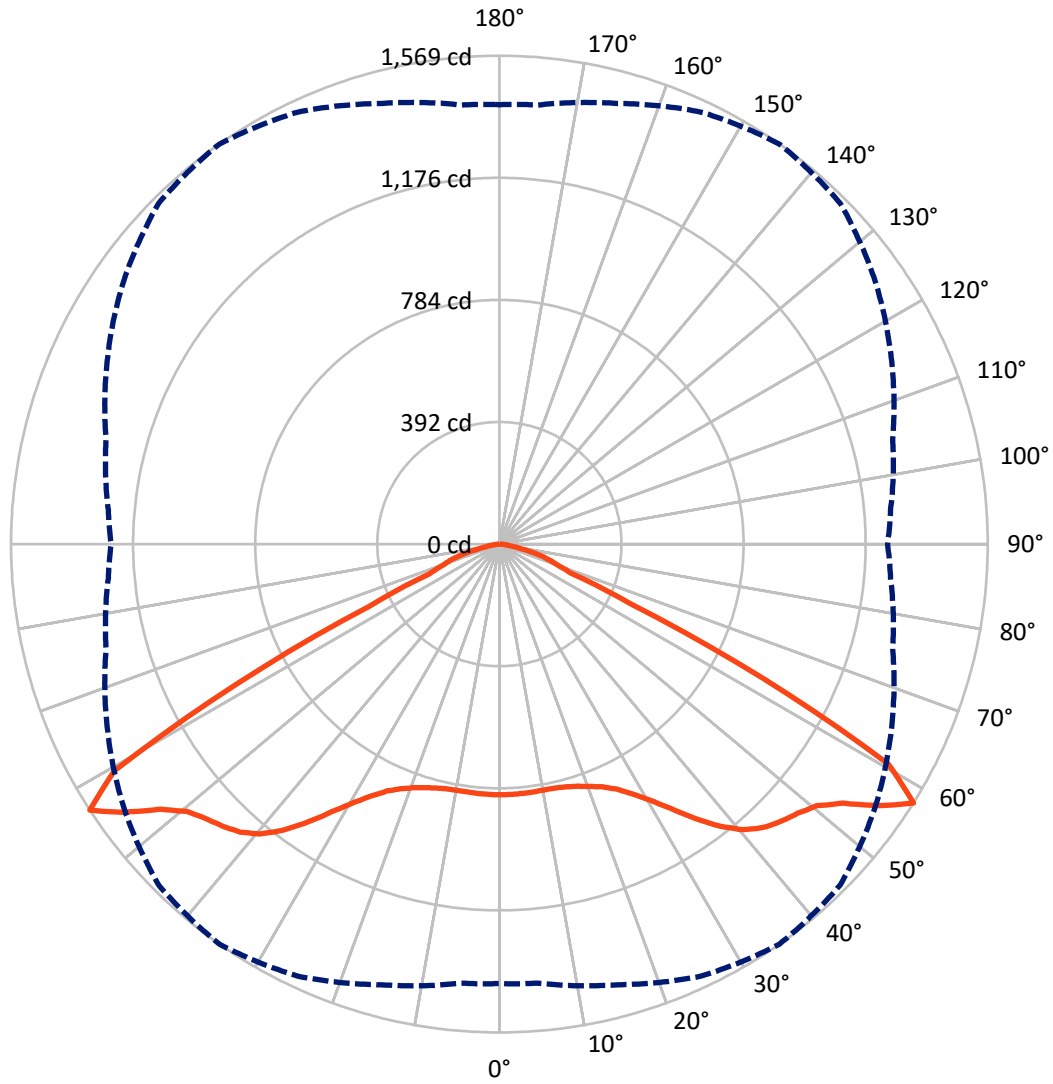
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type V - Short - N/A

REPORT NUMBER: P629821
CATALOG NUMBER: GWS-SA1C-740-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P629821

CATALOG NUMBER: GWS-SA1C-740-U-5MQ-W-GRSWH

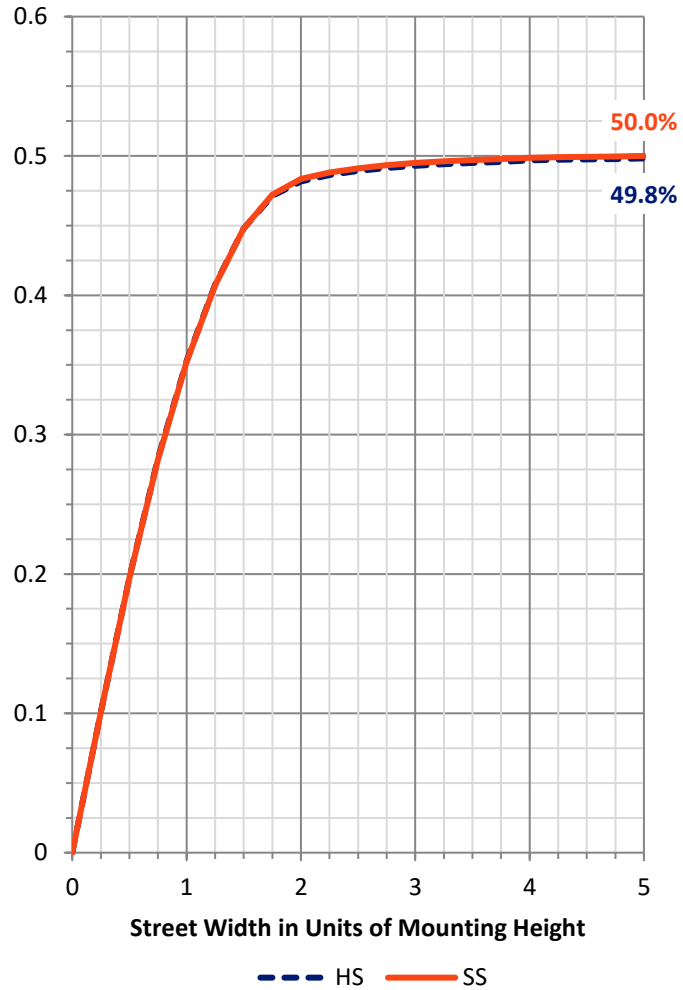
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2104.3	0.0	2104.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2104.3	0.0	2104.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	4208.6	0.0	4208.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	1.8
10°-20°	228.6	5.4
20°-30°	398.8	9.5
30°-40°	653.9	15.5
40°-50°	963.1	22.9
50°-60°	1229.1	29.2
60°-70°	518.0	12.3
70°-80°	123.7	2.9
80°-90°	16.8	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°	4208.6	100.0
0°-180°	4208.6	100.0

Coefficient of Utilization



REPORT NUMBER: P629821

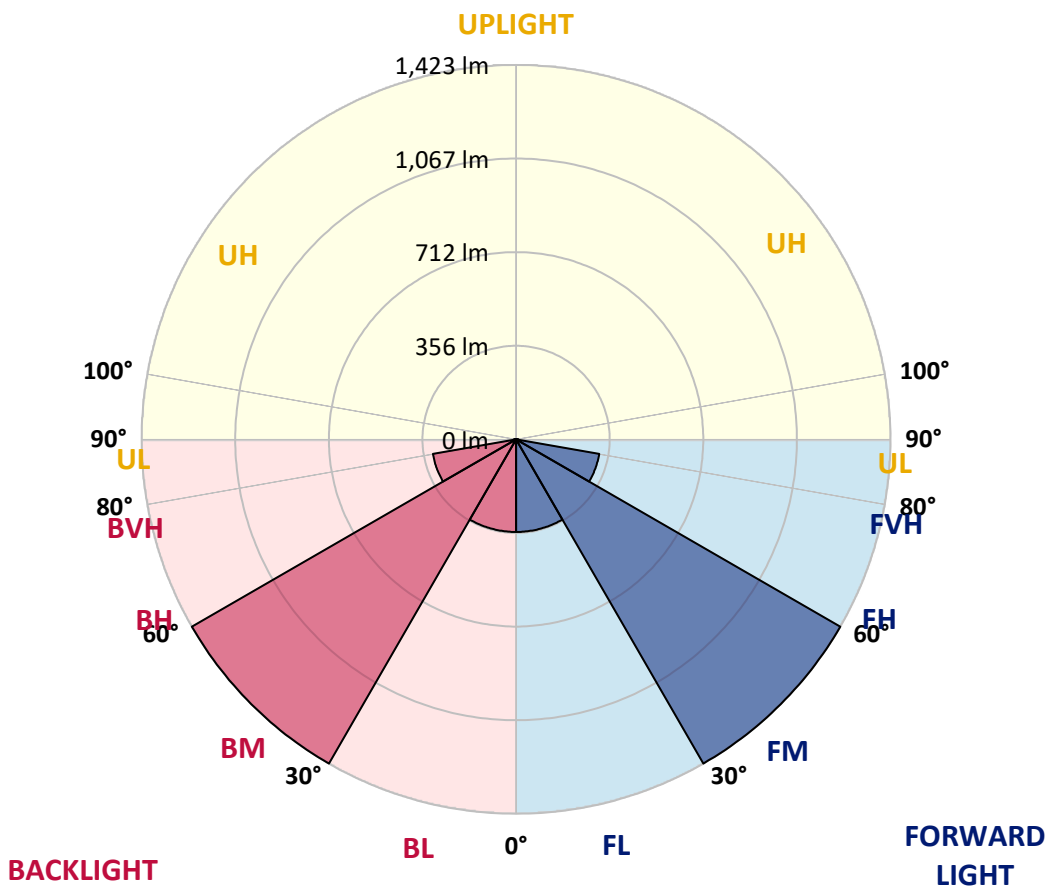
CATALOG NUMBER: GWS-SA1C-740-U-5MQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	352.0	8.4			
FM (30°-60°)	1423.0	33.8			
FH (60°-80°)	320.9	7.6			G0/660
FVH (80°-90°)	8.4	0.2			G0/10
BL (0°-30°)	352.0	8.4	B1/500		
BM (30°-60°)	1423.0	33.8	B2/2500		
BH (60°-80°)	320.9	7.6	B1/500		G0/660
BVH (80°-90°)	8.4	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





REPORT NUMBER: P629821
 CATALOG NUMBER: GWS-SA1C-740-U-5MQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3
2.5°	800.4	800.4	802.2	803.9	804.6	807.7	807.3	806.3	805.6	803.5	806.3
5°	802.2	802.2	803.5	804.6	804.2	806.6	805.6	803.9	802.9	800.8	803.9
7.5°	801.8	801.8	802.9	803.9	803.2	805.3	803.5	801.1	799.4	797.3	800.1
10°	797.3	798.0	799.1	801.5	802.5	805.6	803.2	799.4	796.7	794.2	797.0
12.5°	796.7	797.3	798.7	801.8	803.5	808.0	804.9	798.7	794.6	791.5	794.2
15°	799.8	800.4	802.5	806.3	809.1	813.9	809.4	800.8	794.9	790.8	793.2
17.5°	803.5	804.6	807.7	813.2	817.7	822.8	817.3	807.0	798.7	793.2	795.3
20°	807.7	809.1	813.9	822.2	830.4	837.0	830.1	816.3	806.3	799.1	801.1
22.5°	814.9	816.6	822.8	834.6	847.0	856.6	848.0	829.4	816.3	807.0	808.7
25°	829.7	831.8	839.7	853.9	871.4	883.1	871.1	850.1	831.8	820.4	822.2
27.5°	855.9	857.0	867.3	885.9	907.6	921.0	906.6	881.8	861.4	848.3	849.7
30°	890.4	893.5	903.8	928.3	954.1	972.0	953.1	923.8	900.4	884.5	885.9
32.5°	932.4	934.5	950.0	975.5	1012.7	1033.4	1007.5	972.7	944.5	925.2	926.6
35°	987.5	989.3	1004.1	1036.5	1081.6	1100.9	1071.3	1031.3	998.6	980.3	985.5
37.5°	1053.4	1056.5	1067.1	1099.2	1149.5	1168.4	1134.3	1097.1	1063.0	1046.1	1049.9
40°	1124.0	1123.7	1132.3	1160.5	1206.4	1218.1	1187.4	1157.8	1128.5	1117.5	1123.7
42.5°	1184.6	1182.9	1189.1	1212.6	1244.3	1245.3	1225.0	1208.4	1187.7	1180.2	1186.0
45°	1227.0	1227.7	1237.0	1253.2	1269.4	1260.8	1254.6	1251.8	1235.6	1225.3	1226.3
47.5°	1260.4	1263.2	1278.0	1289.0	1291.1	1276.6	1285.3	1289.4	1276.0	1260.1	1255.6
50°	1290.1	1294.6	1313.9	1325.6	1321.1	1302.8	1319.7	1325.9	1296.3	1266.0	1257.0
52.5°	1343.8	1349.0	1372.4	1387.6	1382.4	1364.2	1380.0	1358.0	1308.0	1270.8	1259.4
55°	1429.6	1432.0	1460.6	1485.5	1483.0	1460.6	1447.9	1399.0	1338.3	1299.7	1289.0
57.5°	1411.4	1415.5	1465.1	1531.3	1568.5	1548.2	1473.4	1390.0	1307.7	1261.1	1246.7
60°	1110.6	1120.6	1182.2	1298.7	1435.1	1434.8	1295.9	1166.4	1067.1	1005.5	999.3
62.5°	648.5	655.4	711.5	829.4	951.7	959.3	861.8	772.9	686.0	644.4	624.4
65°	307.0	306.7	329.1	382.1	464.8	471.4	442.1	393.5	342.2	328.0	324.2
67.5°	226.7	226.7	225.0	228.8	244.6	248.1	244.6	236.7	231.9	235.0	232.9
70°	196.8	197.1	195.0	194.0	194.0	193.0	194.3	197.4	199.5	203.6	201.6
72.5°	159.5	159.9	159.9	160.2	160.6	159.2	161.3	163.0	163.3	164.7	163.3
75°	113.4	114.1	116.1	117.8	119.2	119.2	119.9	120.3	118.9	120.6	117.8
77.5°	62.4	63.1	66.8	69.9	73.0	73.4	74.4	75.1	74.4	75.8	73.7
80°	34.5	35.1	36.9	38.2	40.7	42.7	44.1	44.8	44.8	45.8	44.8
82.5°	19.6	20.3	21.4	22.1	24.1	25.8	27.2	28.3	28.3	28.6	27.9
85°	9.3	9.3	10.0	10.7	11.7	12.4	14.1	15.2	15.2	15.9	15.2
87.5°	1.4	1.7	2.1	2.1	2.8	3.4	4.1	4.5	5.2	5.5	5.5
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)