

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: P629874

Luminaire Tested: GWS-SA1C-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629874
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4305 lumens
Efficiency: N/A
Efficacy: 126.2 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

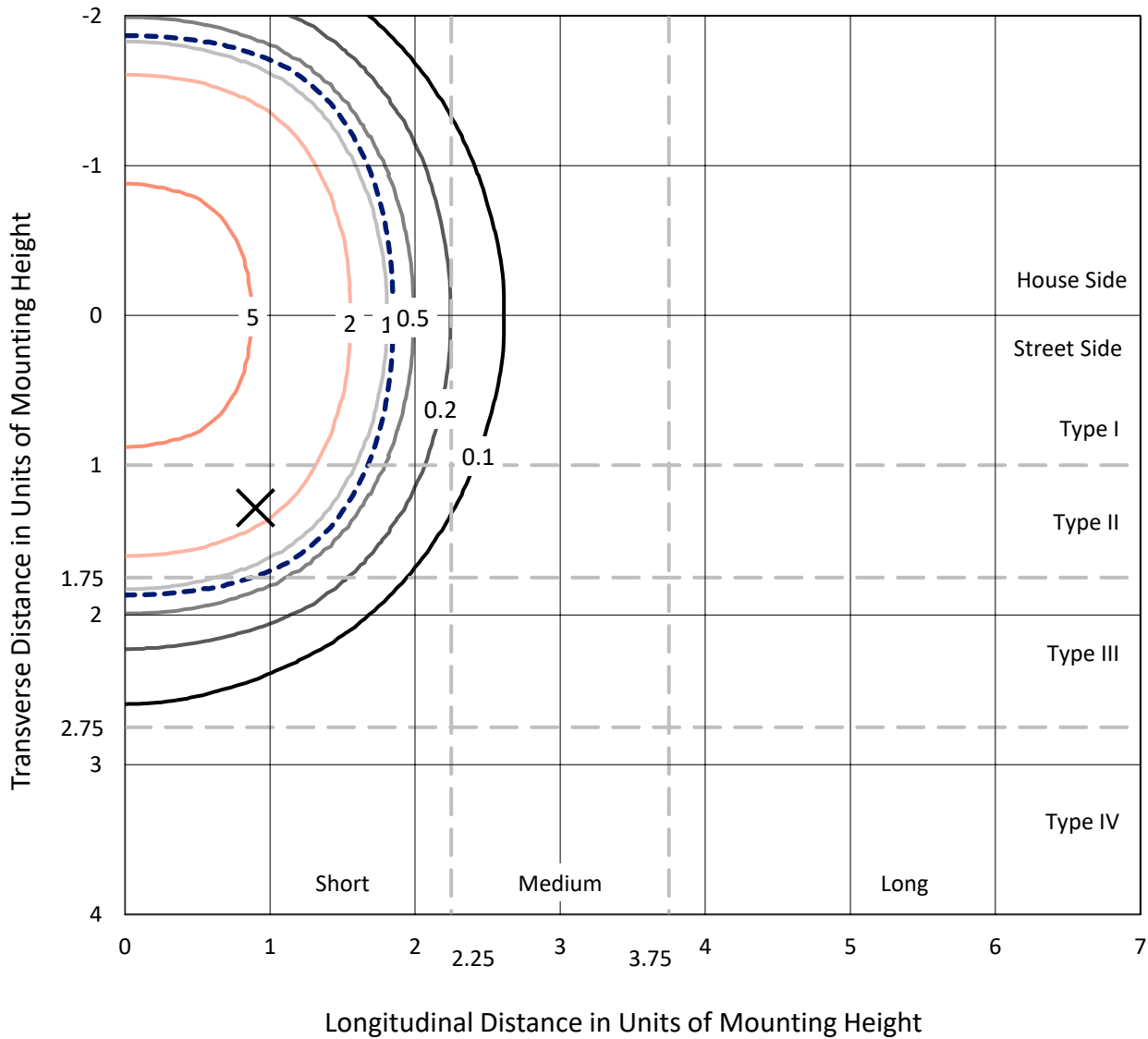


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Iso-Footcandle Lines of Horizontal Illumination

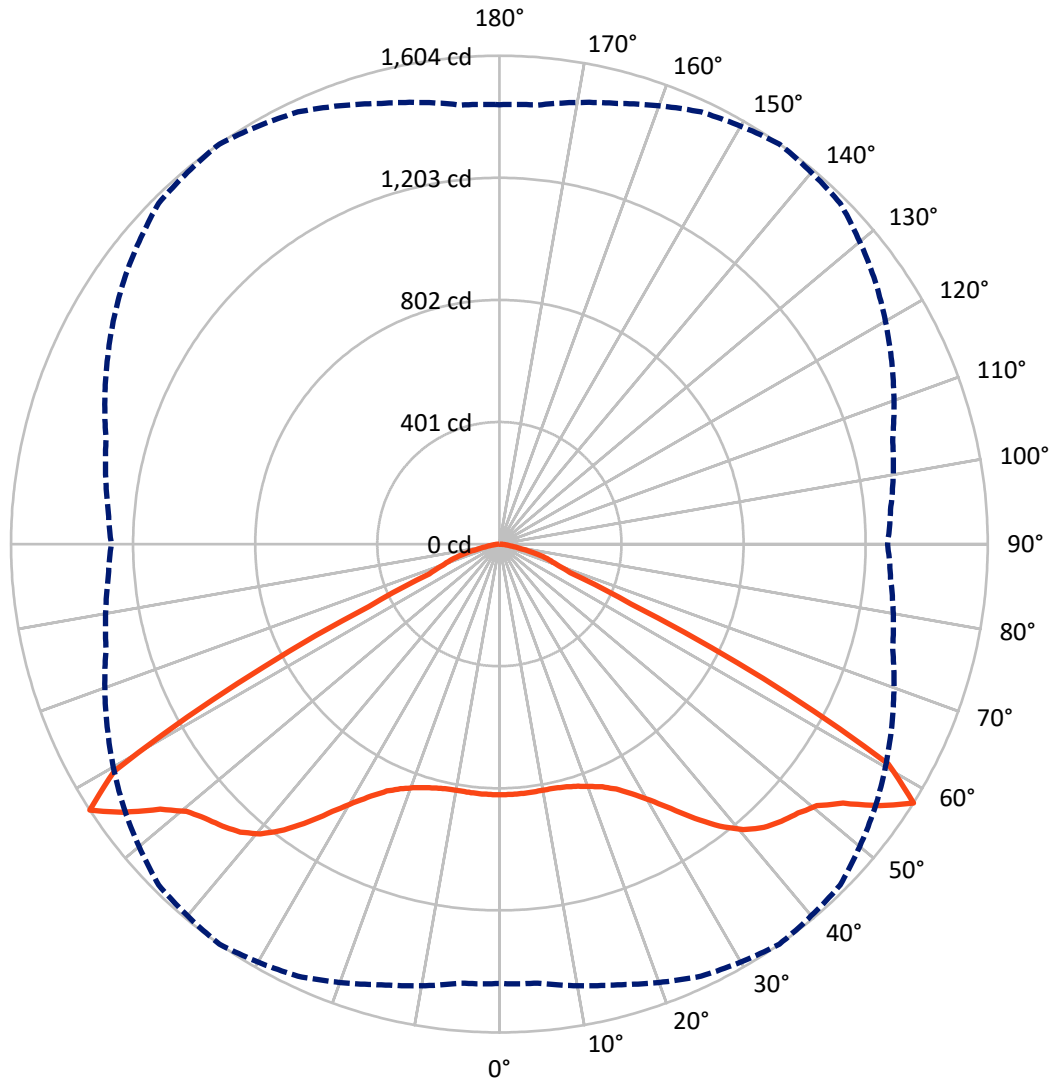
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 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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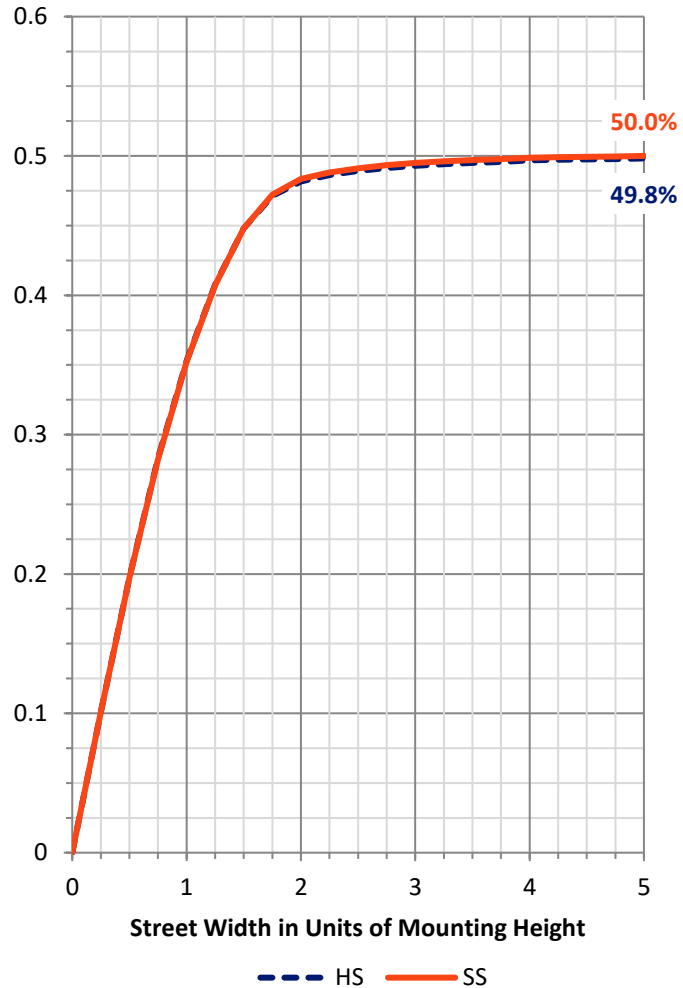
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2152.5	0.0	2152.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2152.5	0.0	2152.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4305.0	0.0	4305.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.4	1.8
10°-20°	233.8	5.4
20°-30°	407.9	9.5
30°-40°	668.9	15.5
40°-50°	985.1	22.9
50°-60°	1257.2	29.2
60°-70°	529.8	12.3
70°-80°	126.6	2.9
80°-90°	17.2	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°	4305.0	100.0
0°-180°	4305.0	100.0

Coefficient of Utilization



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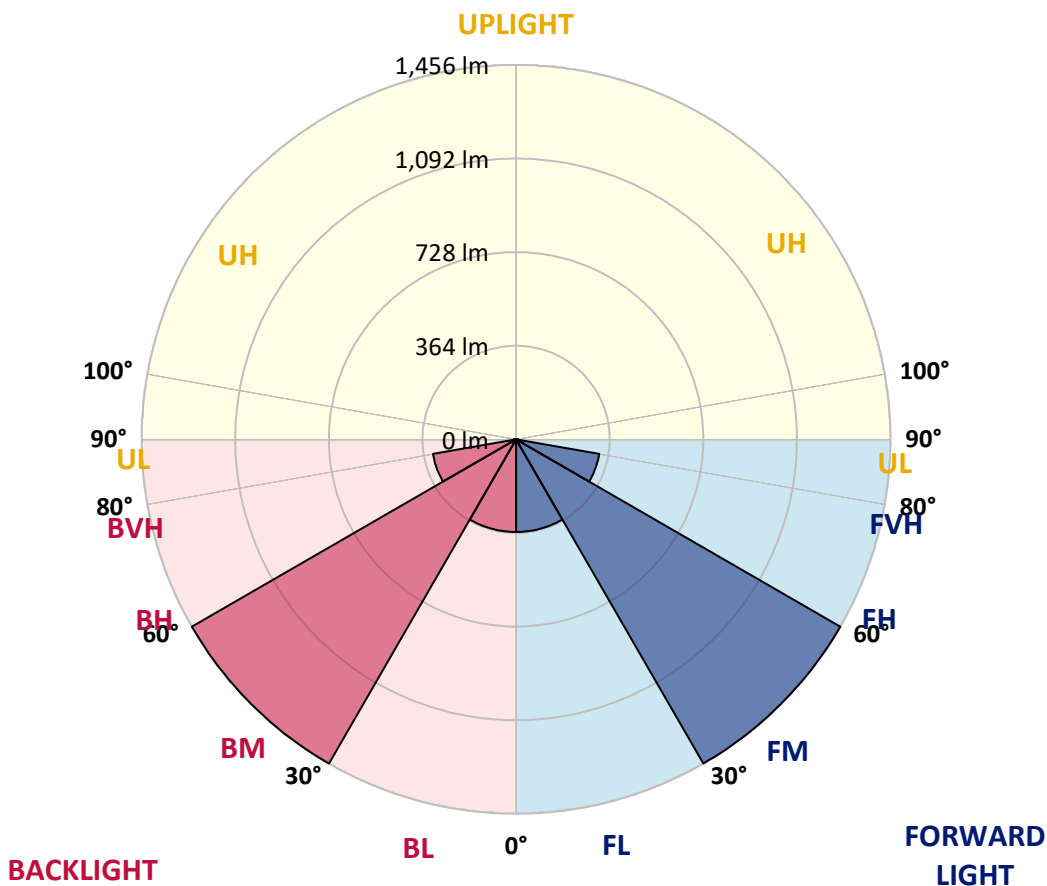
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	360.0	8.4			
FM (30°-60°)	1455.6	33.8			
FH (60°-80°)	328.2	7.6			G0/660
FVH (80°-90°)	8.6	0.2			G0/10
BL (0°-30°)	360.0	8.4	B1/500		
BM (30°-60°)	1455.6	33.8	B2/2500		
BH (60°-80°)	328.2	7.6	B1/500		G0/660
BVH (80°-90°)	8.6	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°	823.7	823.7	823.7	823.7	823.7	823.7	823.7	823.7	823.7	823.7	823.7
2.5°	818.8	818.8	820.5	822.3	823.0	826.2	825.8	824.8	824.1	822.0	824.8
5°	820.5	820.5	822.0	823.0	822.7	825.1	824.1	822.3	821.2	819.1	822.3
7.5°	820.2	820.2	821.2	822.3	821.6	823.7	822.0	819.5	817.7	815.6	818.4
10°	815.6	816.3	817.4	819.8	820.9	824.1	821.6	817.7	814.9	812.4	815.3
12.5°	814.9	815.6	817.0	820.2	822.0	826.5	823.4	817.0	812.8	809.6	812.4
15°	818.1	818.8	820.9	824.8	827.6	832.5	827.9	819.1	813.1	808.9	811.4
17.5°	822.0	823.0	826.2	831.8	836.4	841.7	836.0	825.5	817.0	811.4	813.5
20°	826.2	827.6	832.5	841.0	849.4	856.1	849.1	835.0	824.8	817.4	819.5
22.5°	833.6	835.3	841.7	853.7	866.4	876.2	867.4	848.4	835.0	825.5	827.2
25°	848.7	850.9	859.0	873.4	891.4	903.4	891.0	869.5	850.9	839.2	841.0
27.5°	875.5	876.6	887.2	906.2	928.4	942.1	927.3	902.0	881.2	867.8	869.2
30°	910.8	913.9	924.5	949.5	976.0	994.3	974.9	945.0	921.0	904.8	906.2
32.5°	953.8	955.9	971.7	997.8	1035.9	1057.0	1030.6	995.0	966.1	946.4	947.8
35°	1010.2	1011.9	1027.1	1060.2	1106.4	1126.1	1095.8	1054.9	1021.4	1002.8	1008.1
37.5°	1077.5	1080.7	1091.6	1124.4	1175.8	1195.2	1160.3	1122.3	1087.4	1070.1	1074.0
40°	1149.7	1149.4	1158.2	1187.1	1234.0	1246.0	1214.6	1184.3	1154.3	1143.0	1149.4
42.5°	1211.8	1210.0	1216.4	1240.3	1272.8	1273.8	1253.0	1236.1	1214.9	1207.2	1213.2
45°	1255.1	1255.8	1265.4	1281.9	1298.5	1289.7	1283.3	1280.5	1263.9	1253.4	1254.4
47.5°	1289.3	1292.1	1307.3	1318.6	1320.7	1305.9	1314.7	1318.9	1305.2	1289.0	1284.4
50°	1319.6	1324.2	1344.0	1355.9	1351.4	1332.7	1349.9	1356.3	1326.0	1295.0	1285.8
52.5°	1374.6	1379.9	1403.9	1419.4	1414.1	1395.4	1411.6	1389.1	1338.0	1299.9	1288.3
55°	1462.4	1464.8	1494.1	1519.5	1517.0	1494.1	1481.1	1431.0	1369.0	1329.5	1318.6
57.5°	1443.7	1447.9	1498.7	1566.4	1604.4	1583.6	1507.1	1421.8	1337.6	1290.0	1275.2
60°	1136.0	1146.2	1209.3	1328.4	1468.0	1467.7	1325.6	1193.1	1091.6	1028.5	1022.2
62.5°	663.3	670.4	727.8	848.4	973.5	981.3	881.5	790.6	701.8	659.1	638.7
65°	314.0	313.7	336.6	390.9	475.5	482.2	452.2	402.5	350.0	335.5	331.7
67.5°	231.9	231.9	230.2	234.0	250.3	253.8	250.3	242.1	237.2	240.4	238.3
70°	201.3	201.6	199.5	198.4	198.4	197.4	198.8	202.0	204.1	208.3	206.2
72.5°	163.2	163.5	163.5	163.9	164.2	162.8	165.0	166.7	167.1	168.5	167.1
75°	116.0	116.7	118.8	120.5	122.0	122.0	122.7	123.0	121.6	123.4	120.5
77.5°	63.8	64.5	68.4	71.6	74.7	75.1	76.1	76.8	76.1	77.5	75.4
80°	35.2	36.0	37.7	39.1	41.6	43.7	45.1	45.8	45.8	46.9	45.8
82.5°	20.1	20.8	21.9	22.6	24.7	26.4	27.8	28.9	28.9	29.3	28.5
85°	9.5	9.5	10.2	10.9	12.0	12.7	14.5	15.5	15.5	16.2	15.5
87.5°	1.4	1.8	2.1	2.1	2.8	3.5	4.2	4.6	5.3	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)