

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: P629827

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 4059.4 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

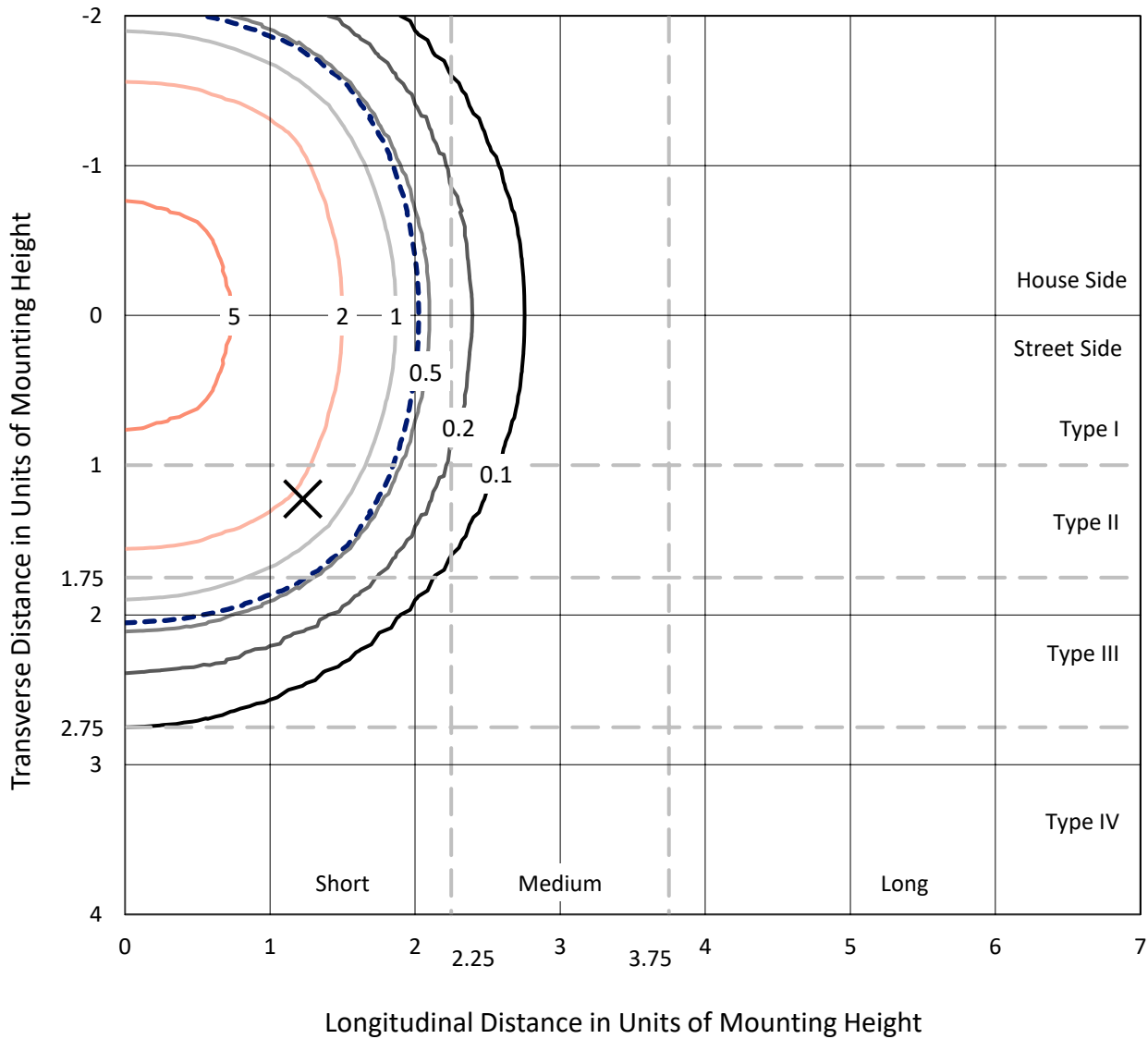
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

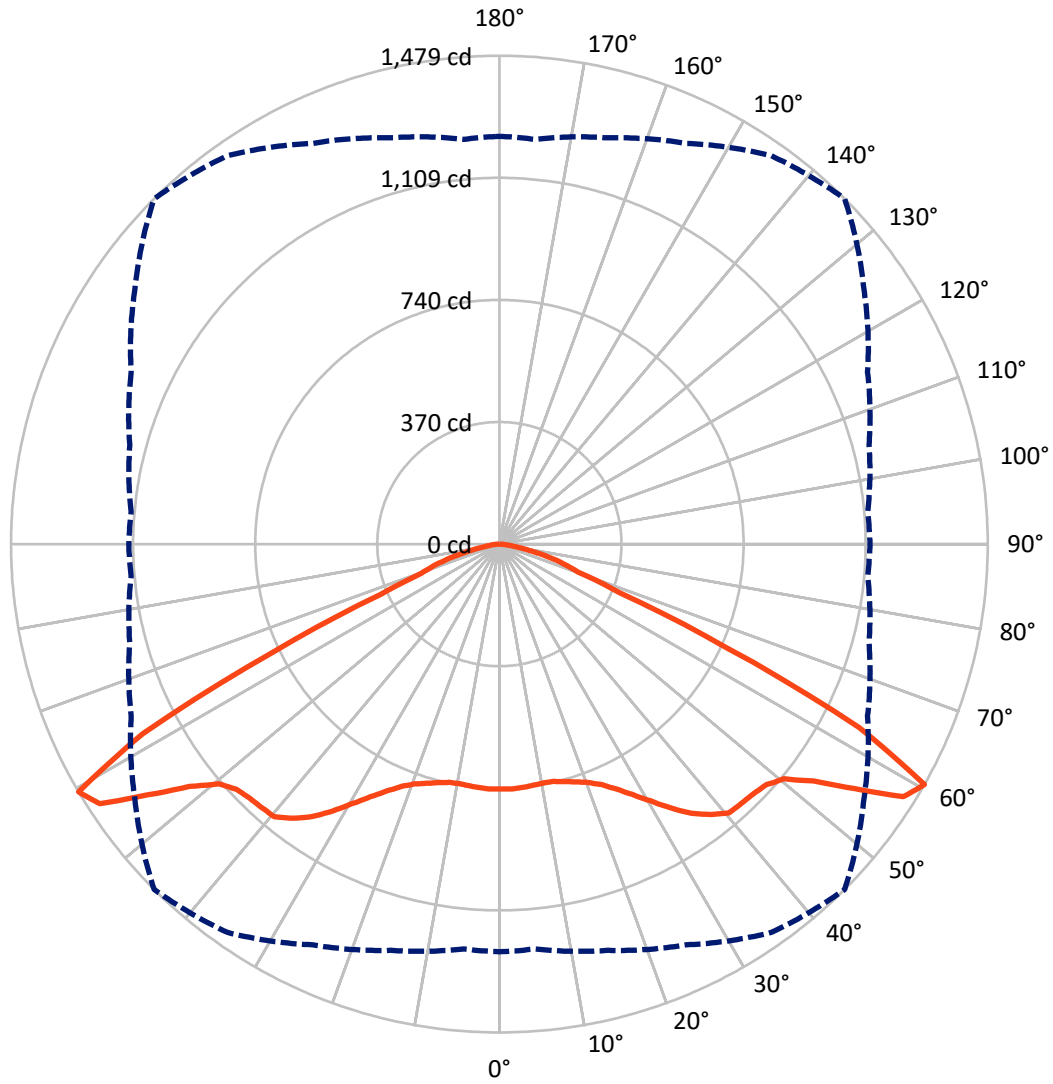
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2029.7	0.0	2029.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2029.7	0.0	2029.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4059.4	0.0	4059.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	1.7
10°-20°	211.6	5.2
20°-30°	374.4	9.2
30°-40°	602.8	14.8
40°-50°	828.5	20.4
50°-60°	1104.0	27.2
60°-70°	688.1	17.0
70°-80°	158.2	3.9
80°-90°	21.5	0.5
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°	4059.4	100.0
0°-180°	4059.4	100.0

Coefficient of Utilization



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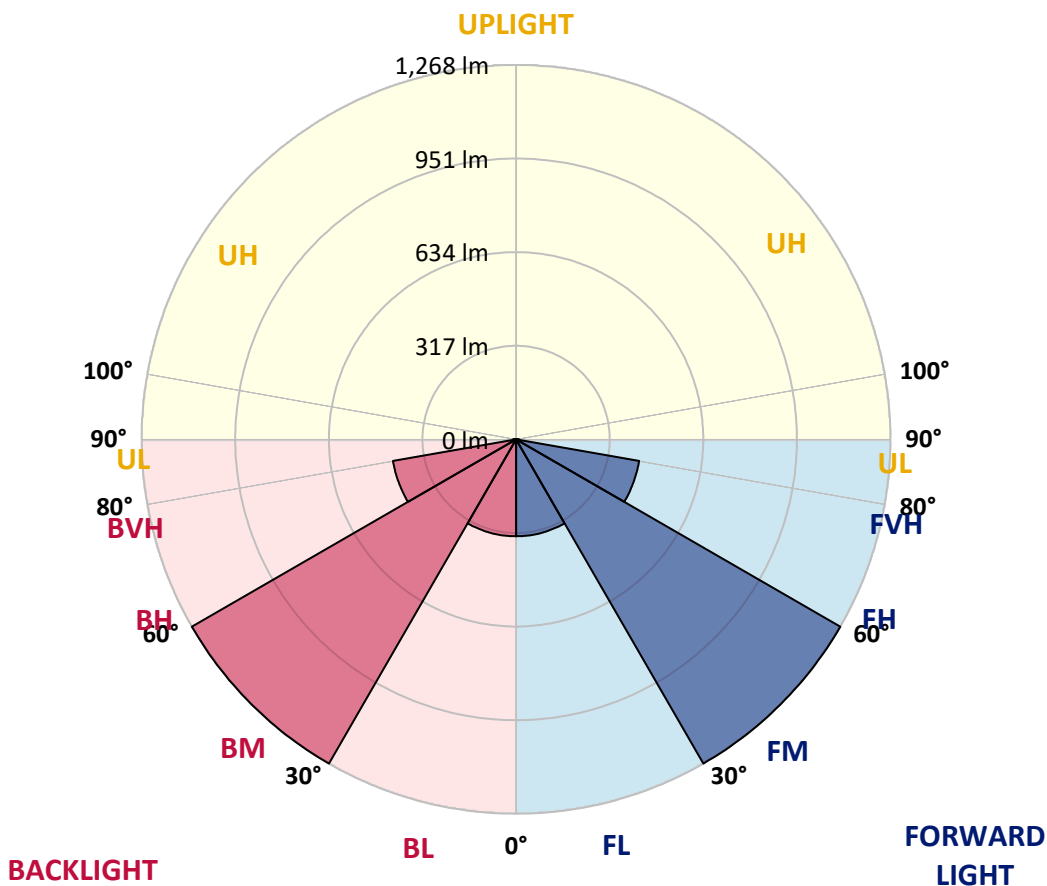
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	328.2	8.1			
FM (30°-60°)	1267.6	31.2			
FH (60°-80°)	423.2	10.4			G0/660
FVH (80°-90°)	10.7	0.3			G1/100
BL (0°-30°)	328.2	8.1	B1/500		
BM (30°-60°)	1267.6	31.2	B2/2500		
BH (60°-80°)	423.2	10.4	B1/500		G0/660
BVH (80°-90°)	10.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	741.8	741.8	741.8	741.8	741.8	741.8	741.8	741.8	741.8	741.8	741.8
2.5°	736.7	737.4	738.7	739.8	741.2	742.5	743.2	741.8	741.2	738.4	741.5
5°	737.4	738.1	739.1	739.1	739.4	740.5	740.5	738.7	737.0	733.9	737.4
7.5°	736.3	737.0	737.4	737.0	737.4	737.7	737.0	735.0	733.2	730.5	733.2
10°	734.6	735.3	736.0	735.3	734.6	735.6	735.6	734.3	733.2	730.5	733.6
12.5°	738.4	739.4	739.8	738.1	737.4	737.7	737.7	736.3	736.3	733.9	737.4
15°	747.4	748.1	747.0	745.0	745.3	746.3	743.9	740.5	739.8	738.7	741.5
17.5°	754.3	754.9	753.9	752.5	754.9	757.4	752.9	746.3	744.3	743.6	746.7
20°	761.8	762.9	761.5	763.2	768.0	770.8	765.3	756.3	752.2	751.2	754.9
22.5°	774.2	775.6	775.6	779.4	786.6	791.1	784.2	772.2	766.0	764.2	768.0
25°	793.9	794.9	795.9	803.5	815.2	821.4	810.4	793.9	785.3	782.5	784.6
27.5°	821.1	822.8	824.5	835.6	850.0	859.0	843.2	822.5	811.8	806.3	810.4
30°	853.5	855.9	860.0	872.4	892.8	902.8	882.4	857.3	845.2	839.4	844.9
32.5°	897.6	897.9	901.0	914.8	941.7	953.1	927.6	899.7	887.3	880.4	883.5
35°	950.0	950.3	945.5	959.6	988.6	1001.3	971.3	943.1	932.7	930.7	938.6
37.5°	1003.7	1000.6	995.8	1002.0	1031.3	1039.6	1007.9	983.7	979.3	983.0	994.8
40°	1042.0	1036.8	1027.1	1031.6	1061.3	1070.9	1037.1	1014.4	1013.0	1022.3	1036.5
42.5°	1066.8	1061.3	1049.9	1049.9	1070.2	1074.4	1048.2	1036.1	1039.2	1049.9	1063.3
45°	1078.8	1075.7	1069.2	1065.7	1077.1	1078.8	1058.8	1054.0	1059.9	1065.1	1075.4
47.5°	1088.1	1088.1	1086.1	1082.6	1087.8	1088.8	1074.0	1072.6	1080.2	1080.2	1087.1
50°	1104.7	1106.4	1109.2	1108.5	1114.0	1117.4	1106.4	1104.3	1107.4	1097.4	1100.9
52.5°	1148.1	1152.6	1160.5	1166.7	1180.8	1191.5	1171.9	1155.3	1139.1	1117.1	1117.8
55°	1226.0	1228.0	1243.5	1261.8	1285.6	1307.3	1267.0	1215.6	1180.5	1154.6	1155.0
57.5°	1291.8	1294.9	1317.6	1355.9	1409.3	1443.0	1353.8	1268.0	1218.4	1186.7	1187.7
60°	1234.9	1230.8	1273.9	1339.3	1436.1	1479.2	1347.6	1230.4	1159.1	1119.8	1122.6
62.5°	955.5	947.6	995.4	1064.0	1180.1	1223.2	1101.9	989.6	922.1	891.4	886.9
65°	581.6	574.4	608.8	650.9	729.4	756.7	701.2	641.6	582.7	564.1	558.9
67.5°	316.7	315.6	324.9	345.6	380.1	392.8	382.1	353.9	338.7	325.6	325.6
70°	251.2	249.1	247.4	247.7	250.8	252.6	252.9	251.5	253.3	253.6	252.2
72.5°	208.1	207.4	204.0	204.3	202.9	202.3	204.7	206.1	208.8	209.2	209.2
75°	150.9	149.2	150.9	151.3	149.9	149.9	151.6	151.3	152.6	153.3	149.5
77.5°	85.8	85.8	88.2	91.0	93.0	93.0	94.8	94.8	96.5	96.1	95.4
80°	47.2	47.2	48.6	50.3	52.4	54.4	56.2	56.5	57.5	57.2	56.2
82.5°	26.9	27.2	27.9	28.9	31.0	32.7	34.5	34.8	35.8	35.8	34.8
85°	12.7	12.4	12.7	13.4	14.5	15.9	17.6	18.6	19.3	19.3	18.6
87.5°	2.4	2.8	2.4	2.8	3.1	4.1	4.8	5.5	6.5	6.9	6.2
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)