

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: P629766

Luminaire Tested: GWS-SA1C-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629766
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4150.9 lumens
Efficiency: N/A
Efficacy: 121.7 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

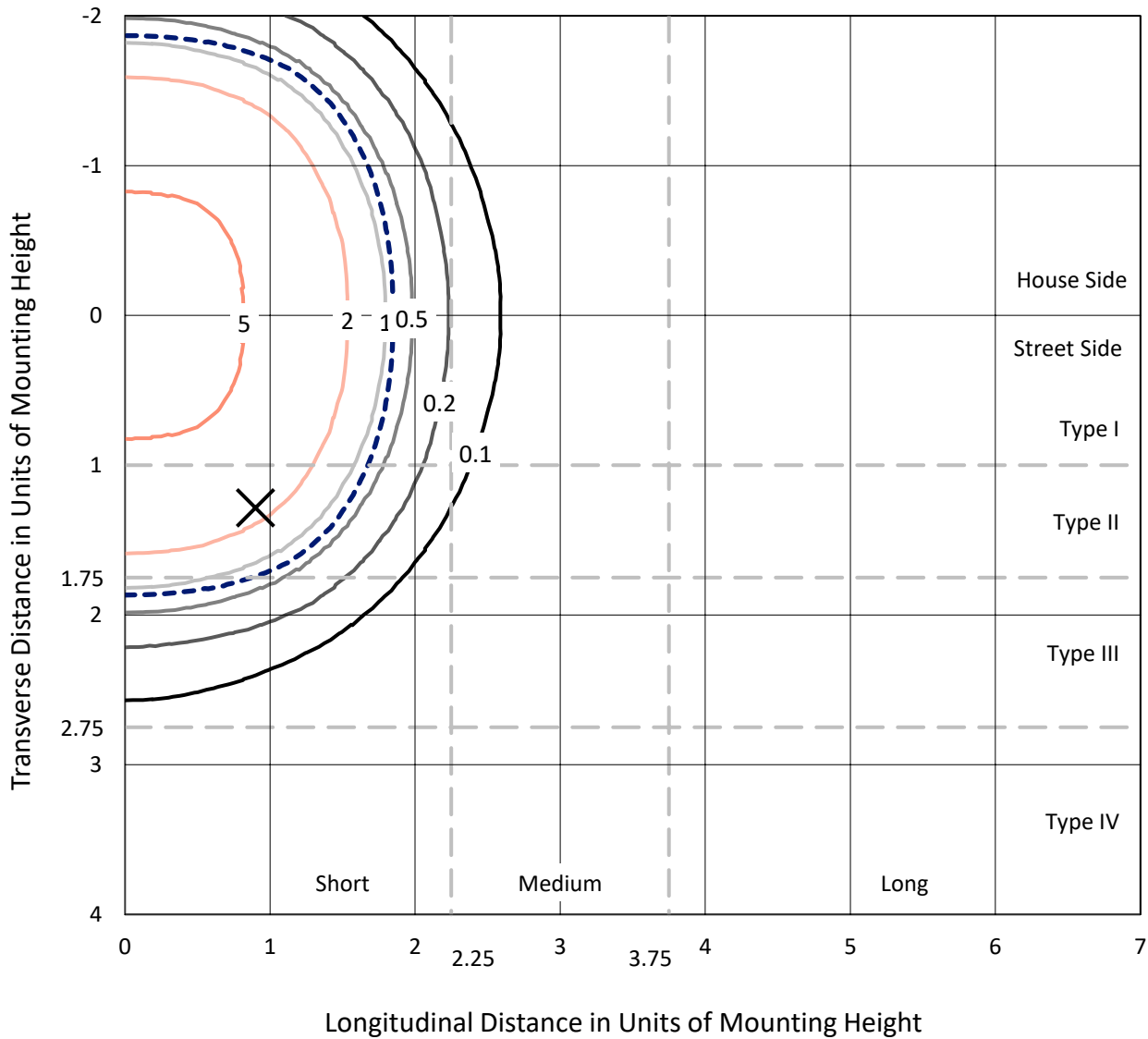
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

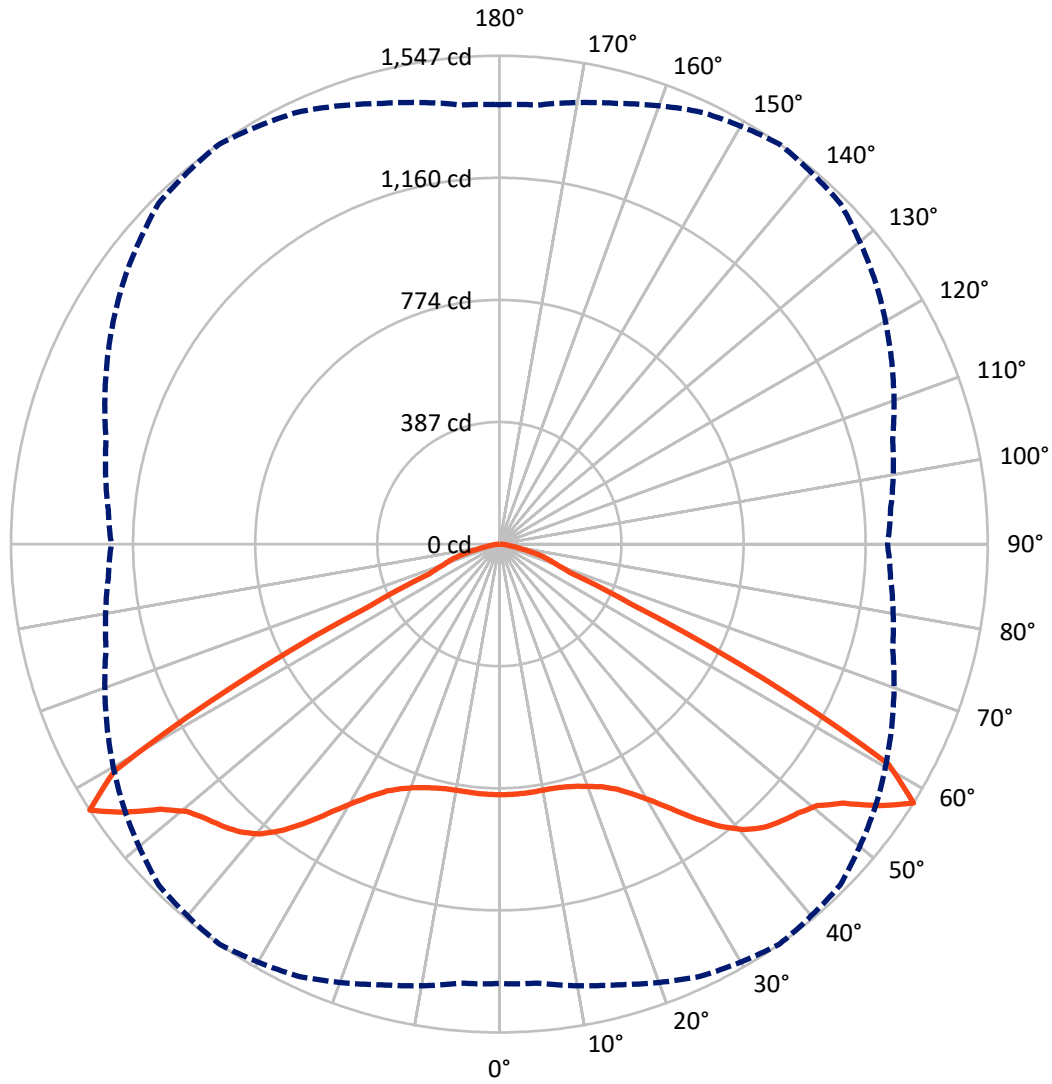
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 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	2075.4	0.0	2075.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2075.4	0.0	2075.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4150.9	0.0	4150.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.6	1.8
10°-20°	225.4	5.4
20°-30°	393.3	9.5
30°-40°	645.0	15.5
40°-50°	949.9	22.9
50°-60°	1212.2	29.2
60°-70°	510.9	12.3
70°-80°	122.0	2.9
80°-90°	16.6	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°	4150.9	100.0
0°-180°	4150.9	100.0

Coefficient of Utilization



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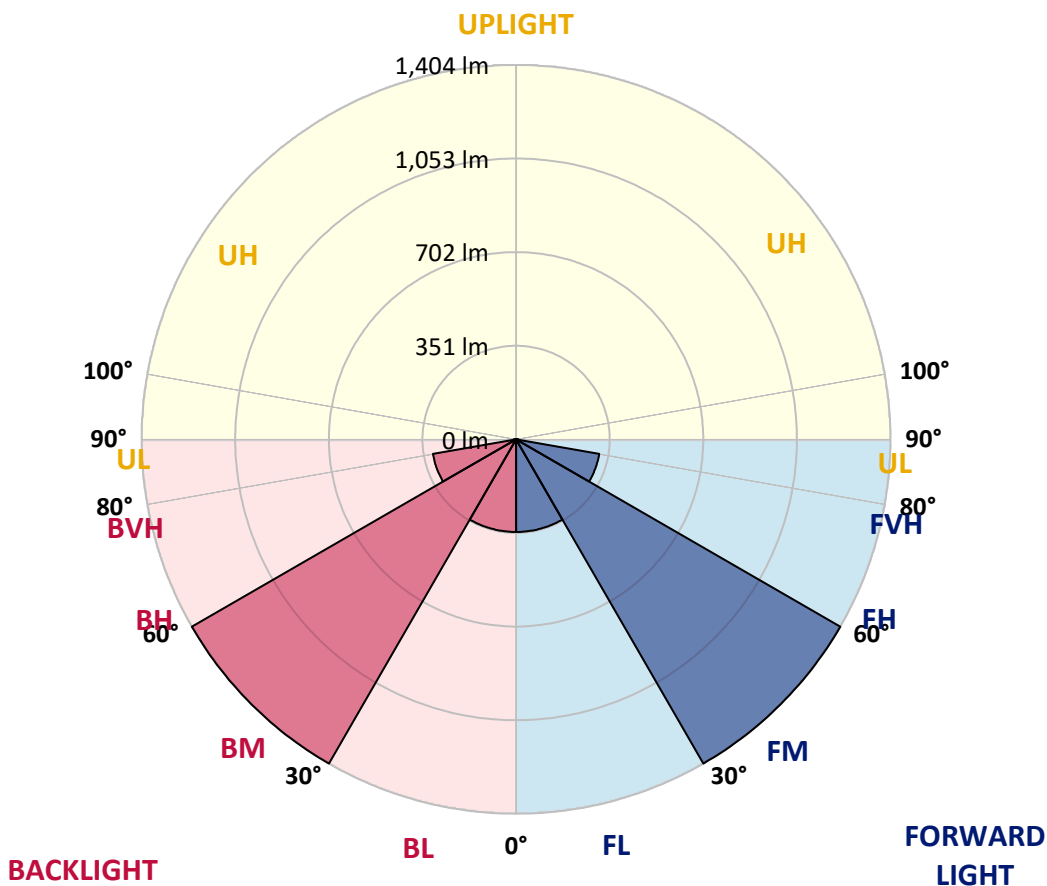
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	347.2	8.4			
FM (30°-60°)	1403.5	33.8			
FH (60°-80°)	316.5	7.6			G0/660
FVH (80°-90°)	8.3	0.2			G0/10
BL (0°-30°)	347.2	8.4	B1/500		
BM (30°-60°)	1403.5	33.8	B2/2500		
BH (60°-80°)	316.5	7.6	B1/500		G0/660
BVH (80°-90°)	8.3	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°	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2
2.5°	789.5	789.5	791.2	792.9	793.5	796.6	796.3	795.2	794.6	792.5	795.2
5°	791.2	791.2	792.5	793.5	793.2	795.6	794.6	792.9	791.8	789.8	792.9
7.5°	790.8	790.8	791.8	792.9	792.2	794.2	792.5	790.1	788.4	786.4	789.1
10°	786.4	787.1	788.1	790.5	791.5	794.6	792.2	788.4	785.7	783.4	786.1
12.5°	785.7	786.4	787.8	790.8	792.5	796.9	793.9	787.8	783.7	780.6	783.4
15°	788.8	789.5	791.5	795.2	798.0	802.7	798.3	789.8	784.0	780.0	782.3
17.5°	792.5	793.5	796.6	802.0	806.5	811.6	806.1	795.9	787.8	782.3	784.4
20°	796.6	798.0	802.7	810.9	819.0	825.5	818.7	805.1	795.2	788.1	790.1
22.5°	803.7	805.4	811.6	823.1	835.3	844.9	836.4	818.0	805.1	795.9	797.6
25°	818.4	820.4	828.2	842.1	859.5	871.0	859.1	838.4	820.4	809.2	810.9
27.5°	844.2	845.2	855.4	873.8	895.2	908.4	894.1	869.7	849.6	836.7	838.1
30°	878.2	881.2	891.4	915.6	941.0	958.7	940.0	911.1	888.0	872.4	873.8
32.5°	919.6	921.7	937.0	962.1	998.8	1019.2	993.7	959.4	931.5	912.5	913.9
35°	974.0	975.7	990.3	1022.3	1066.8	1085.8	1056.6	1017.2	984.9	966.9	972.0
37.5°	1038.9	1042.0	1052.5	1084.1	1133.7	1152.4	1118.8	1082.1	1048.4	1031.8	1035.5
40°	1108.6	1108.2	1116.7	1144.6	1189.8	1201.4	1171.1	1141.9	1113.0	1102.1	1108.2
42.5°	1168.4	1166.7	1172.8	1195.9	1227.2	1228.2	1208.2	1191.9	1171.5	1164.0	1169.8
45°	1210.2	1210.9	1220.1	1236.0	1252.0	1243.5	1237.4	1234.7	1218.7	1208.5	1209.5
47.5°	1243.2	1245.9	1260.5	1271.4	1273.4	1259.1	1267.6	1271.7	1258.5	1242.8	1238.4
50°	1272.4	1276.8	1295.8	1307.4	1303.0	1285.0	1301.6	1307.7	1278.5	1248.6	1239.8
52.5°	1325.4	1330.5	1353.6	1368.6	1363.5	1345.5	1361.1	1339.3	1290.1	1253.4	1242.1
55°	1410.0	1412.4	1440.6	1465.1	1462.7	1440.6	1428.0	1379.8	1320.0	1281.9	1271.4
57.5°	1392.0	1396.1	1445.0	1510.3	1547.0	1526.9	1453.2	1371.0	1289.7	1243.8	1229.6
60°	1095.3	1105.2	1166.0	1280.9	1415.5	1415.1	1278.2	1150.4	1052.5	991.7	985.6
62.5°	639.6	646.4	701.8	818.0	938.7	946.1	850.0	762.3	676.6	635.5	615.8
65°	302.8	302.5	324.6	376.9	458.5	464.9	436.0	388.1	337.5	323.5	319.8
67.5°	223.6	223.6	221.9	225.7	241.3	244.7	241.3	233.5	228.7	231.8	229.7
70°	194.1	194.4	192.4	191.3	191.3	190.3	191.7	194.7	196.8	200.9	198.8
72.5°	157.4	157.7	157.7	158.0	158.4	157.0	159.0	160.7	161.1	162.4	161.1
75°	111.8	112.5	114.5	116.2	117.6	117.6	118.3	118.6	117.2	118.9	116.2
77.5°	61.5	62.2	65.9	69.0	72.0	72.4	73.4	74.1	73.4	74.8	72.7
80°	34.0	34.7	36.4	37.7	40.1	42.1	43.5	44.2	44.2	45.2	44.2
82.5°	19.4	20.1	21.1	21.8	23.8	25.5	26.8	27.9	27.9	28.2	27.5
85°	9.2	9.2	9.9	10.5	11.6	12.2	13.9	15.0	15.0	15.6	15.0
87.5°	1.4	1.7	2.0	2.0	2.7	3.4	4.1	4.4	5.1	5.4	5.4
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)