

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: P629772

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629772
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4003.7 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

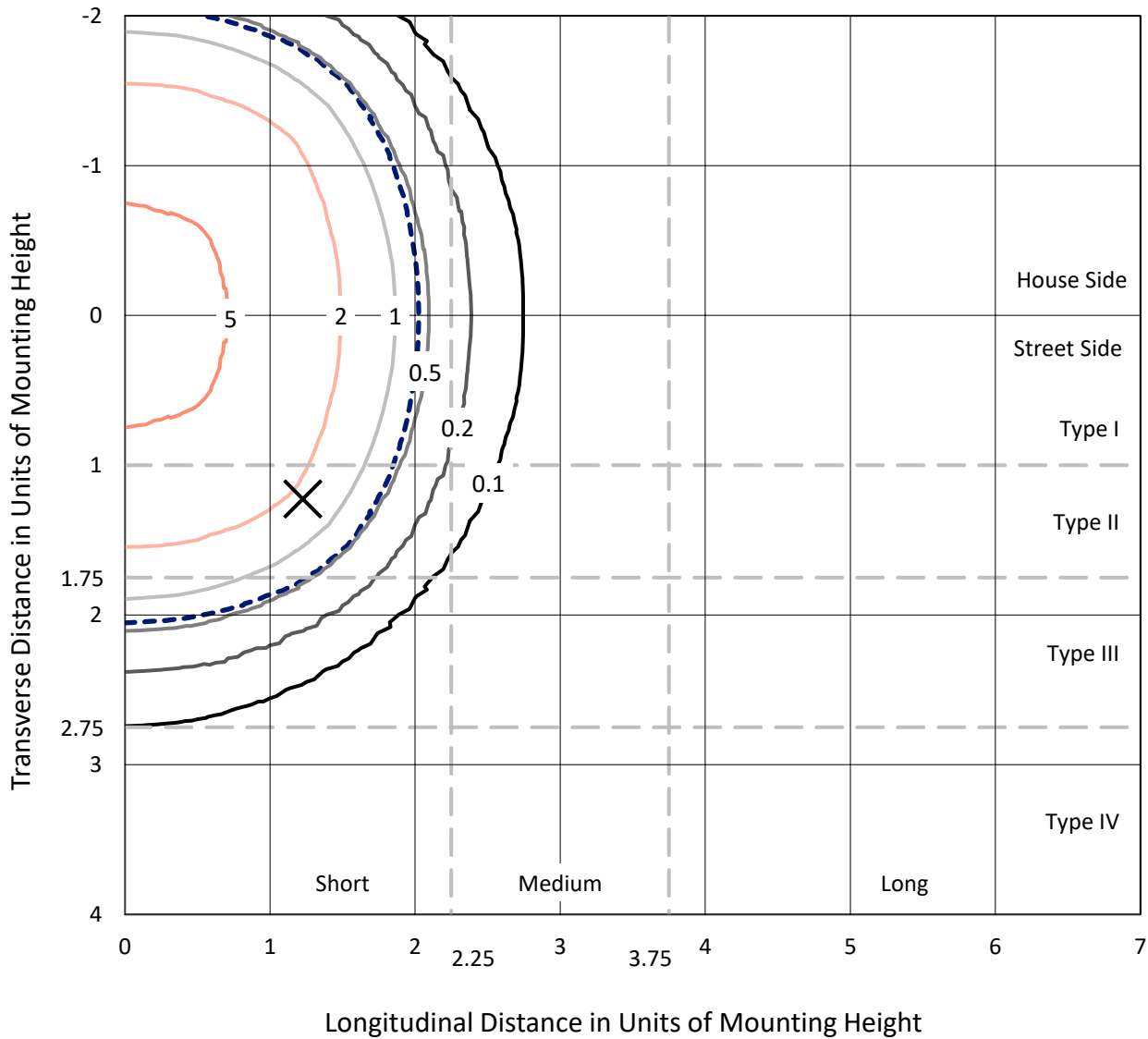
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

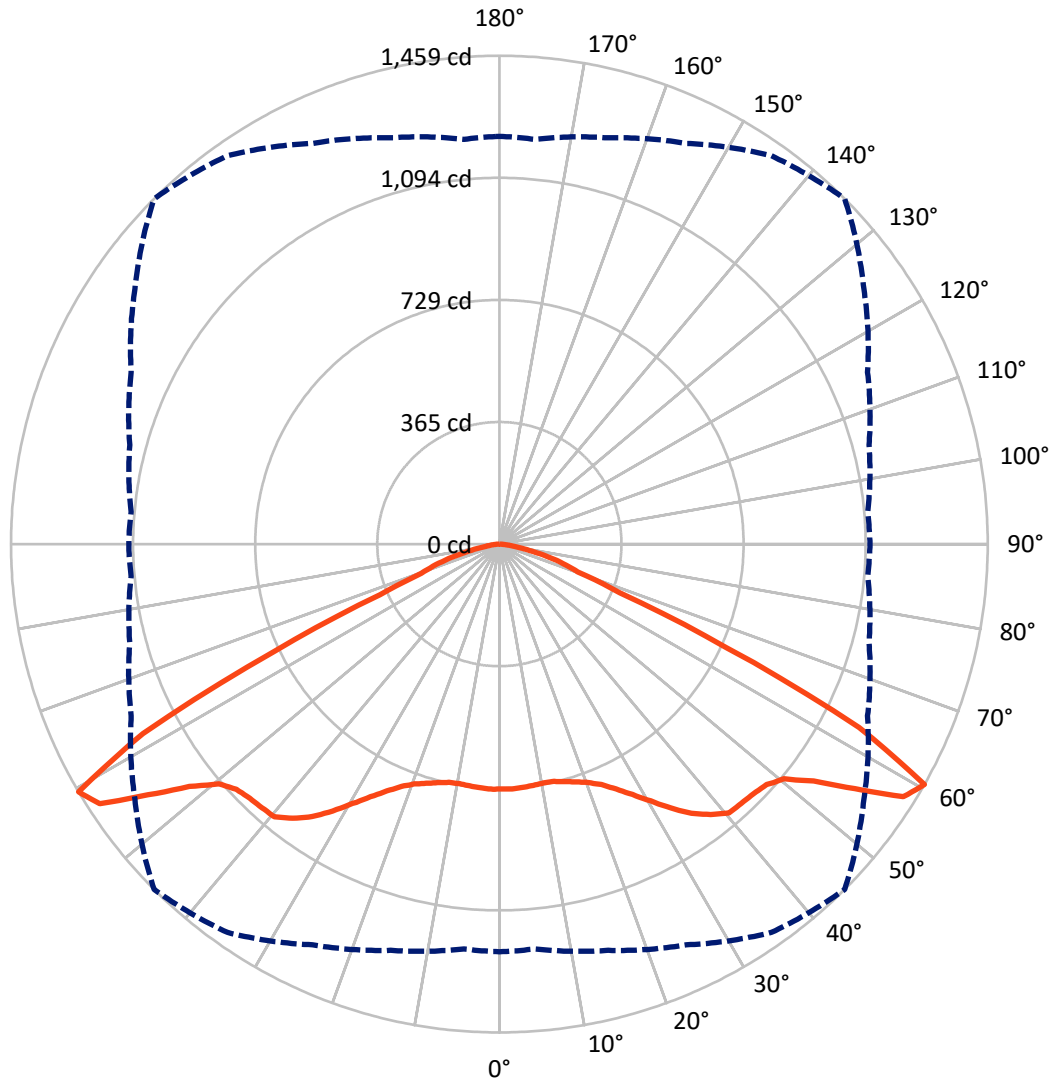
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 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	2001.8	0.0	2001.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2001.8	0.0	2001.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4003.7	0.0	4003.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.4	1.7
10°-20°	208.7	5.2
20°-30°	369.2	9.2
30°-40°	594.5	14.8
40°-50°	817.1	20.4
50°-60°	1088.9	27.2
60°-70°	678.6	17.0
70°-80°	156.1	3.9
80°-90°	21.2	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°	4003.7	100.0
0°-180°	4003.7	100.0

Coefficient of Utilization



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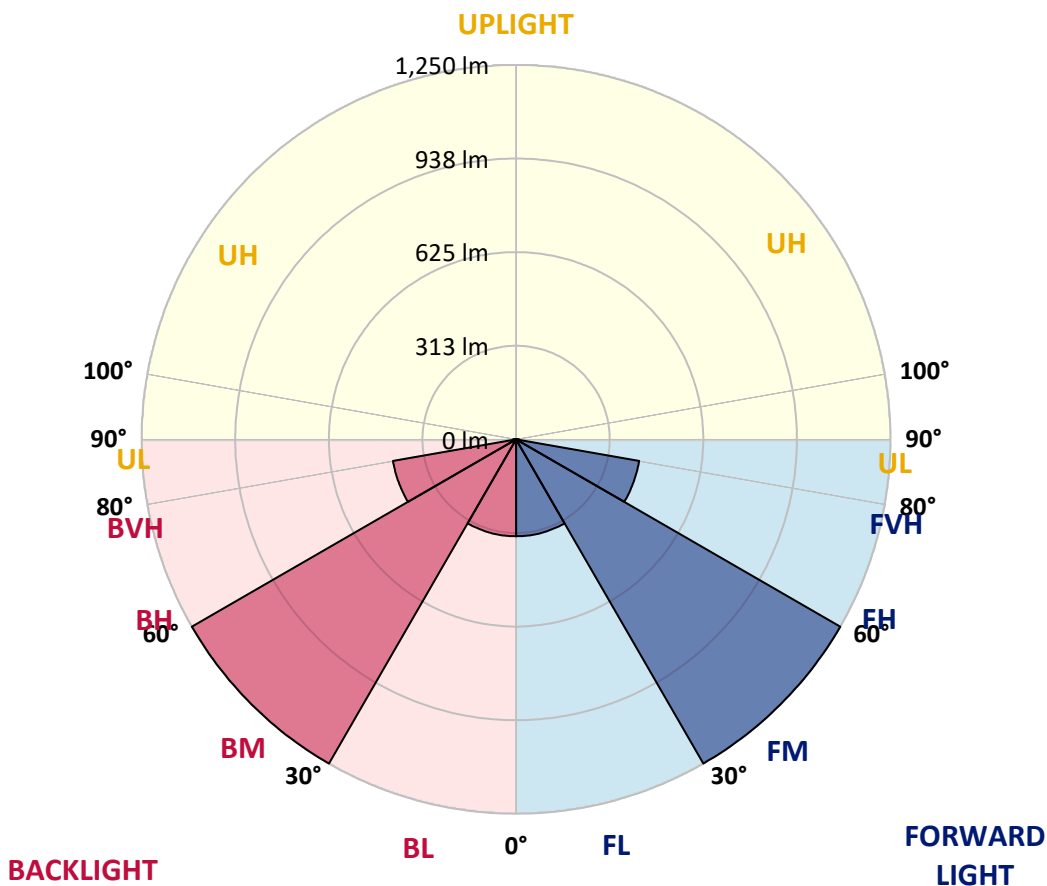
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.7	8.1			
FM (30°-60°)	1250.2	31.2			
FH (60°-80°)	417.4	10.4			G0/660
FVH (80°-90°)	10.6	0.3			G1/100
BL (0°-30°)	323.7	8.1	B1/500		
BM (30°-60°)	1250.2	31.2	B2/2500		
BH (60°-80°)	417.4	10.4	B1/500		G0/660
BVH (80°-90°)	10.6	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°	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7
2.5°	726.6	727.3	728.6	729.6	731.0	732.4	733.0	731.7	731.0	728.3	731.3
5°	727.3	727.9	729.0	729.0	729.3	730.3	730.3	728.6	726.9	723.9	727.3
7.5°	726.2	726.9	727.3	726.9	727.3	727.6	726.9	724.9	723.2	720.5	723.2
10°	724.5	725.2	725.9	725.2	724.5	725.6	725.6	724.2	723.2	720.5	723.5
12.5°	728.3	729.3	729.6	727.9	727.3	727.6	727.6	726.2	726.2	723.9	727.3
15°	737.1	737.8	736.8	734.7	735.1	736.1	733.7	730.3	729.6	728.6	731.3
17.5°	743.9	744.6	743.6	742.2	744.6	747.0	742.5	736.1	734.0	733.4	736.4
20°	751.4	752.4	751.0	752.7	757.5	760.2	754.8	745.9	741.9	740.8	744.6
22.5°	763.6	765.0	765.0	768.7	775.8	780.3	773.5	761.6	755.5	753.8	757.5
25°	783.0	784.0	785.0	792.5	804.1	810.2	799.3	783.0	774.5	771.8	773.8
27.5°	809.8	811.5	813.2	824.1	838.4	847.2	831.6	811.2	800.7	795.2	799.3
30°	841.8	844.2	848.2	860.5	880.5	890.4	870.3	845.5	833.6	827.8	833.3
32.5°	885.3	885.6	888.7	902.3	928.8	940.0	914.8	887.3	875.1	868.3	871.3
35°	936.9	937.3	932.5	946.4	975.0	987.6	958.0	930.1	919.9	917.9	925.7
37.5°	989.9	986.9	982.1	988.2	1017.1	1025.3	994.0	970.2	965.8	969.6	981.1
40°	1027.7	1022.6	1013.1	1017.5	1046.7	1056.2	1022.9	1000.5	999.1	1008.3	1022.2
42.5°	1052.1	1046.7	1035.5	1035.5	1055.5	1059.6	1033.8	1021.9	1025.0	1035.5	1048.7
45°	1064.0	1061.0	1054.5	1051.1	1062.3	1064.0	1044.3	1039.6	1045.3	1050.4	1060.6
47.5°	1073.2	1073.2	1071.2	1067.8	1072.9	1073.9	1059.3	1057.9	1065.4	1065.4	1072.2
50°	1089.5	1091.2	1093.9	1093.3	1098.7	1102.1	1091.2	1089.2	1092.2	1082.4	1085.8
52.5°	1132.3	1136.8	1144.6	1150.7	1164.6	1175.2	1155.8	1139.5	1123.5	1101.8	1102.4
55°	1209.1	1211.2	1226.5	1244.5	1267.9	1289.3	1249.6	1198.9	1164.3	1138.8	1139.1
57.5°	1274.1	1277.1	1299.5	1337.3	1389.9	1423.2	1335.2	1250.6	1201.7	1170.4	1171.4
60°	1218.0	1213.9	1256.4	1320.9	1416.4	1458.9	1329.1	1213.6	1143.2	1104.5	1107.2
62.5°	942.4	934.6	981.8	1049.4	1163.9	1206.4	1086.8	976.0	909.4	879.2	874.7
65°	573.6	566.5	600.5	642.0	719.4	746.3	691.6	632.8	574.7	556.3	551.2
67.5°	312.3	311.3	320.5	340.9	374.8	387.4	376.9	349.0	334.1	321.1	321.1
70°	247.7	245.7	244.0	244.3	247.4	249.1	249.4	248.1	249.8	250.1	248.8
72.5°	205.3	204.6	201.2	201.5	200.2	199.5	201.9	203.2	205.9	206.3	206.3
75°	148.8	147.1	148.8	149.2	147.8	147.8	149.5	149.2	150.5	151.2	147.5
77.5°	84.6	84.6	87.0	89.7	91.8	91.8	93.5	93.5	95.2	94.8	94.1
80°	46.6	46.6	47.9	49.6	51.7	53.7	55.4	55.7	56.8	56.4	55.4
82.5°	26.5	26.8	27.5	28.5	30.6	32.3	34.0	34.3	35.3	35.3	34.3
85°	12.6	12.2	12.6	13.3	14.3	15.6	17.3	18.4	19.0	19.0	18.4
87.5°	2.4	2.7	2.4	2.7	3.1	4.1	4.8	5.4	6.5	6.8	6.1
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)