

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: P629935

Luminaire Tested: GWS-SA1C-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629935
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4095.5 lumens
Efficiency: N/A
Efficacy: 120.1 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

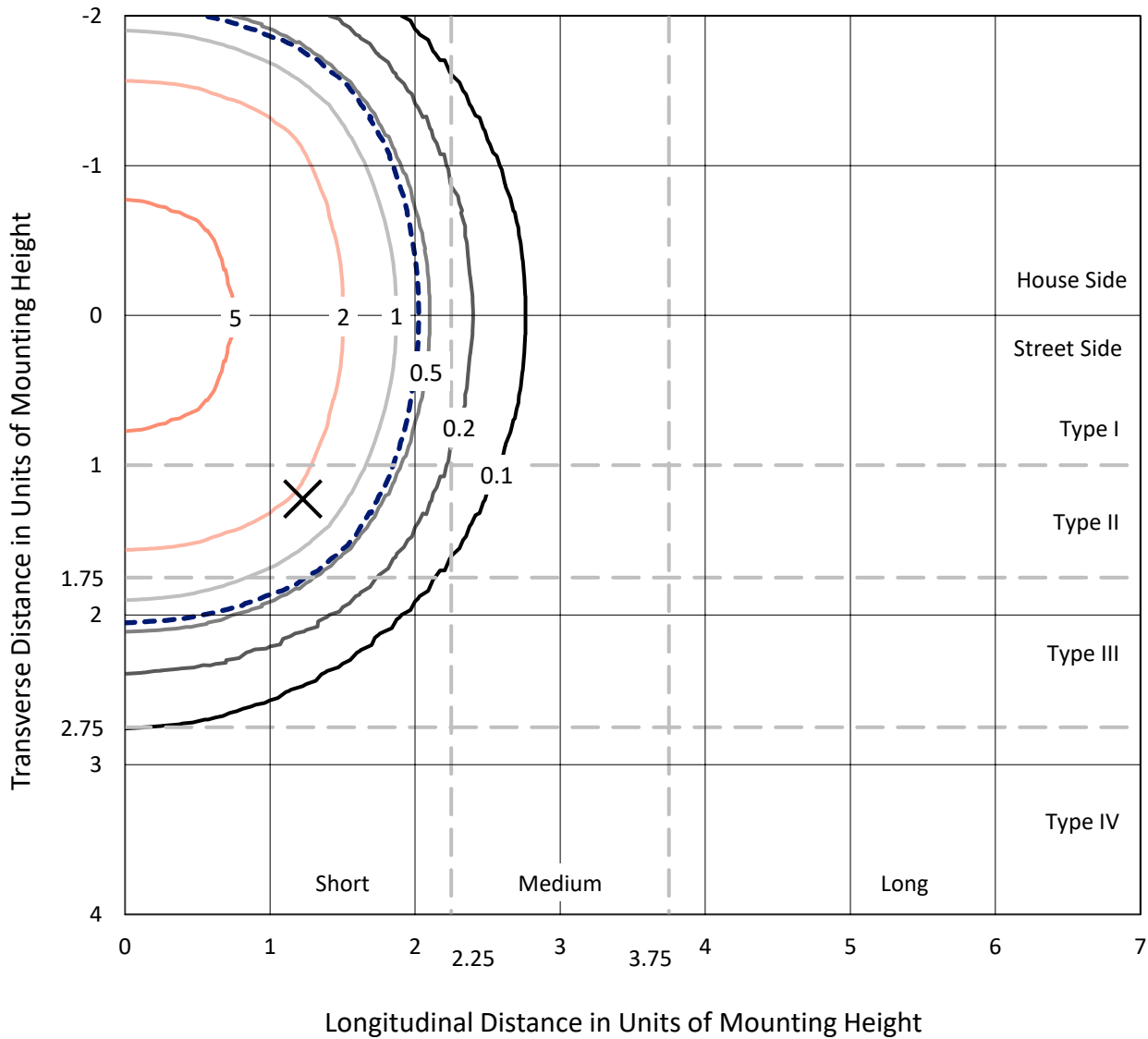
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

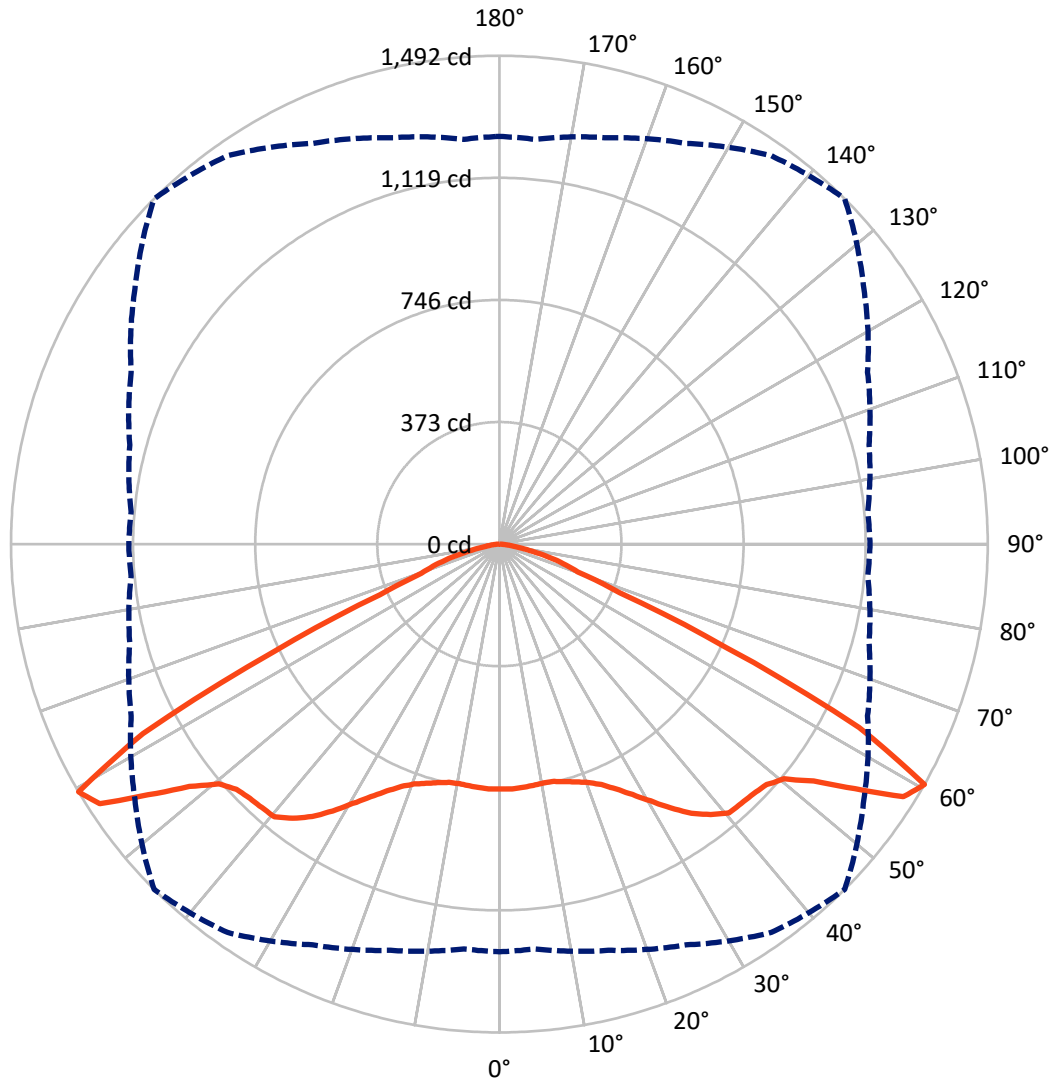
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 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	2047.8	0.0	2047.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2047.8	0.0	2047.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4095.5	0.0	4095.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	1.7
10°-20°	213.5	5.2
20°-30°	377.7	9.2
30°-40°	608.1	14.8
40°-50°	835.8	20.4
50°-60°	1113.8	27.2
60°-70°	694.2	17.0
70°-80°	159.6	3.9
80°-90°	21.7	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°	4095.5	100.0
0°-180°	4095.5	100.0

Coefficient of Utilization



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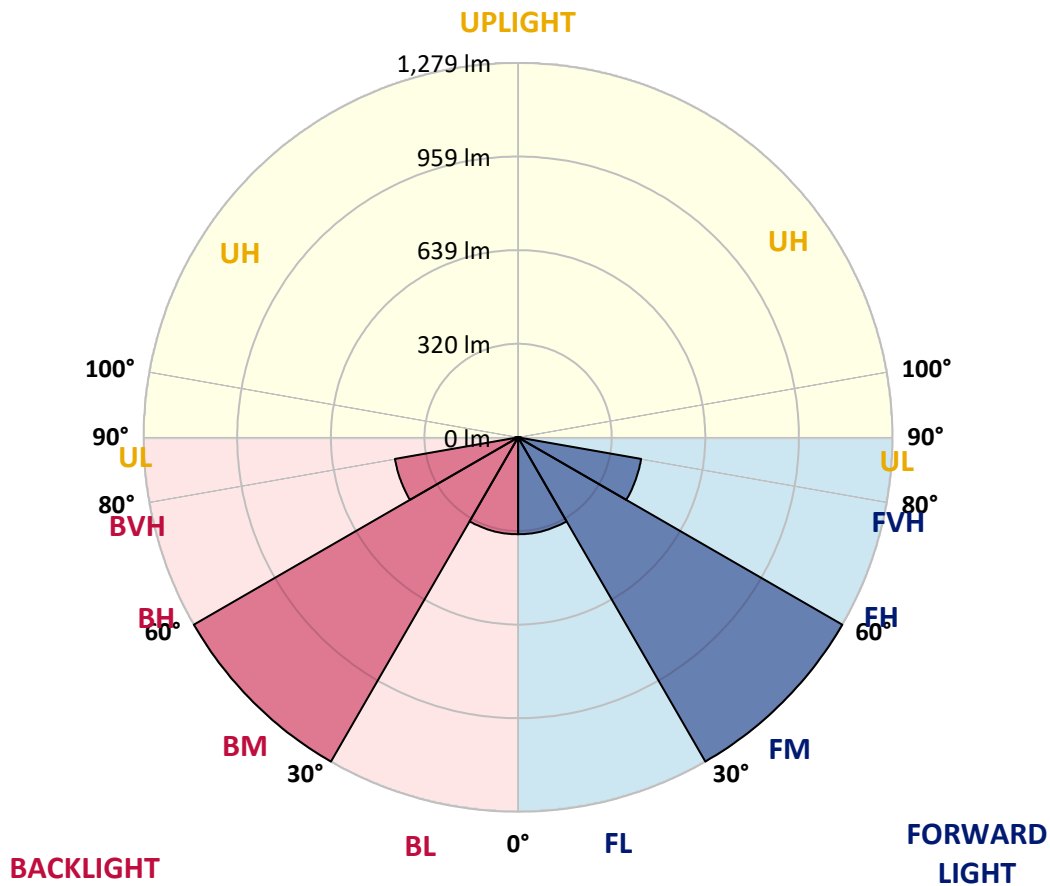
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	331.1	8.1			
FM (30°-60°)	1278.9	31.2			
FH (60°-80°)	426.9	10.4			G0/660
FVH (80°-90°)	10.8	0.3			G1/100
BL (0°-30°)	331.1	8.1	B1/500		
BM (30°-60°)	1278.9	31.2	B2/2500		
BH (60°-80°)	426.9	10.4	B1/500		G0/660
BVH (80°-90°)	10.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		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°	748.4	748.4	748.4	748.4	748.4	748.4	748.4	748.4	748.4	748.4	748.4
2.5°	743.2	743.9	745.3	746.4	747.8	749.1	749.8	748.4	747.8	745.0	748.1
5°	743.9	744.6	745.7	745.7	746.0	747.1	747.1	745.3	743.6	740.5	743.9
7.5°	742.9	743.6	743.9	743.6	743.9	744.3	743.6	741.5	739.8	737.0	739.8
10°	741.1	741.8	742.5	741.8	741.1	742.2	742.2	740.8	739.8	737.0	740.1
12.5°	745.0	746.0	746.4	744.6	743.9	744.3	744.3	742.9	742.9	740.5	743.9
15°	754.0	754.7	753.7	751.6	751.9	753.0	750.5	747.1	746.4	745.3	748.1
17.5°	761.0	761.7	760.6	759.2	761.7	764.1	759.6	753.0	750.9	750.2	753.3
20°	768.6	769.7	768.3	770.0	774.9	777.6	772.1	763.0	758.9	757.8	761.7
22.5°	781.1	782.5	782.5	786.3	793.6	798.2	791.2	779.0	772.8	771.0	774.9
25°	800.9	802.0	803.0	810.7	822.5	828.7	817.6	800.9	792.2	789.5	791.6
27.5°	828.4	830.1	831.9	843.0	857.6	866.6	850.6	829.8	819.0	813.5	817.6
30°	861.1	863.5	867.7	880.2	900.7	910.8	890.3	864.9	852.7	846.8	852.4
32.5°	905.6	905.9	909.1	923.0	950.1	961.5	935.8	907.7	895.1	888.2	891.3
35°	958.4	958.8	953.9	968.1	997.3	1010.2	980.0	951.5	941.0	938.9	946.9
37.5°	1012.6	1009.5	1004.6	1010.9	1040.5	1048.8	1016.8	992.5	988.0	991.8	1003.6
40°	1051.2	1046.0	1036.3	1040.8	1070.7	1080.4	1046.4	1023.4	1022.0	1031.4	1045.7
42.5°	1076.3	1070.7	1059.2	1059.2	1079.7	1083.9	1057.5	1045.3	1048.5	1059.2	1072.8
45°	1088.4	1085.3	1078.7	1075.2	1086.7	1088.4	1068.3	1063.4	1069.3	1074.5	1085.0
47.5°	1097.8	1097.8	1095.7	1092.3	1097.5	1098.5	1083.6	1082.2	1089.8	1089.8	1096.8
50°	1114.5	1116.2	1119.0	1118.3	1123.9	1127.4	1116.2	1114.2	1117.3	1107.2	1110.7
52.5°	1158.3	1162.8	1170.8	1177.1	1191.3	1202.1	1182.3	1165.6	1149.3	1127.0	1127.7
55°	1236.9	1239.0	1254.6	1273.0	1297.0	1318.9	1278.2	1226.4	1191.0	1164.9	1165.3
57.5°	1303.3	1306.4	1329.3	1367.9	1421.8	1455.9	1365.8	1279.3	1229.2	1197.2	1198.3
60°	1245.9	1241.7	1285.2	1351.2	1448.9	1492.4	1359.6	1241.4	1169.4	1129.8	1132.6
62.5°	964.0	956.0	1004.3	1073.5	1190.6	1234.1	1111.7	998.4	930.3	899.3	894.8
65°	586.8	579.5	614.3	656.7	735.9	763.4	707.4	647.3	587.8	569.1	563.9
67.5°	319.5	318.4	327.8	348.7	383.4	396.3	385.5	357.0	341.7	328.5	328.5
70°	253.4	251.3	249.6	249.9	253.1	254.8	255.2	253.8	255.5	255.9	254.5
72.5°	210.0	209.3	205.8	206.1	204.8	204.1	206.5	207.9	210.7	211.0	211.0
75°	152.3	150.5	152.3	152.6	151.2	151.2	153.0	152.6	154.0	154.7	150.9
77.5°	86.6	86.6	89.0	91.8	93.9	93.9	95.6	95.6	97.3	97.0	96.3
80°	47.6	47.6	49.0	50.8	52.8	54.9	56.7	57.0	58.1	57.7	56.7
82.5°	27.1	27.5	28.2	29.2	31.3	33.0	34.8	35.1	36.2	36.2	35.1
85°	12.9	12.5	12.9	13.6	14.6	16.0	17.7	18.8	19.5	19.5	18.8
87.5°	2.4	2.8	2.4	2.8	3.1	4.2	4.9	5.6	6.6	7.0	6.3
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)