

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: P630100

Luminaire Tested: GWS-SA1D-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630100
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-SA1D-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3772.2 lumens
Efficiency: N/A
Efficacy: 85.2 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

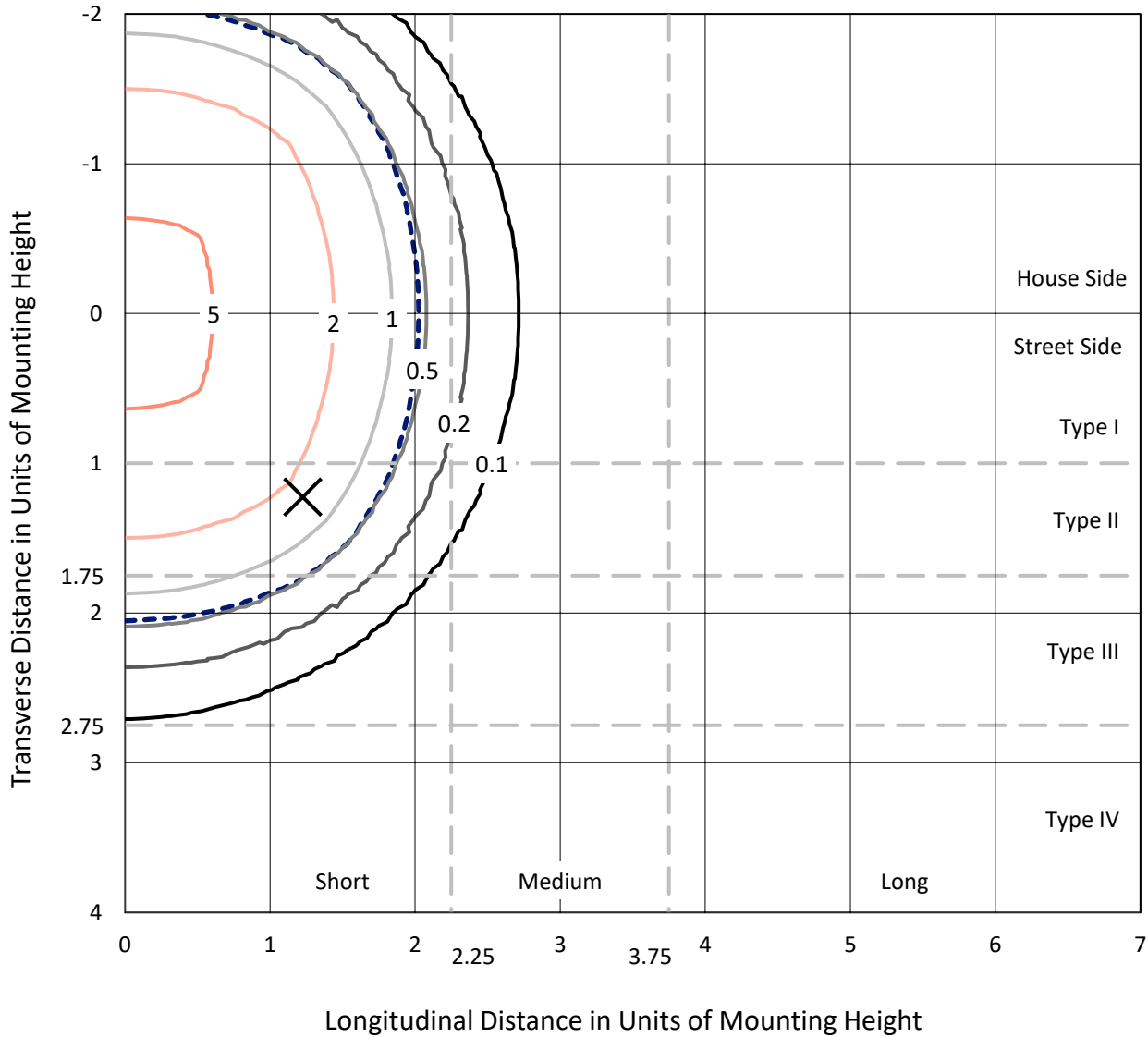
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

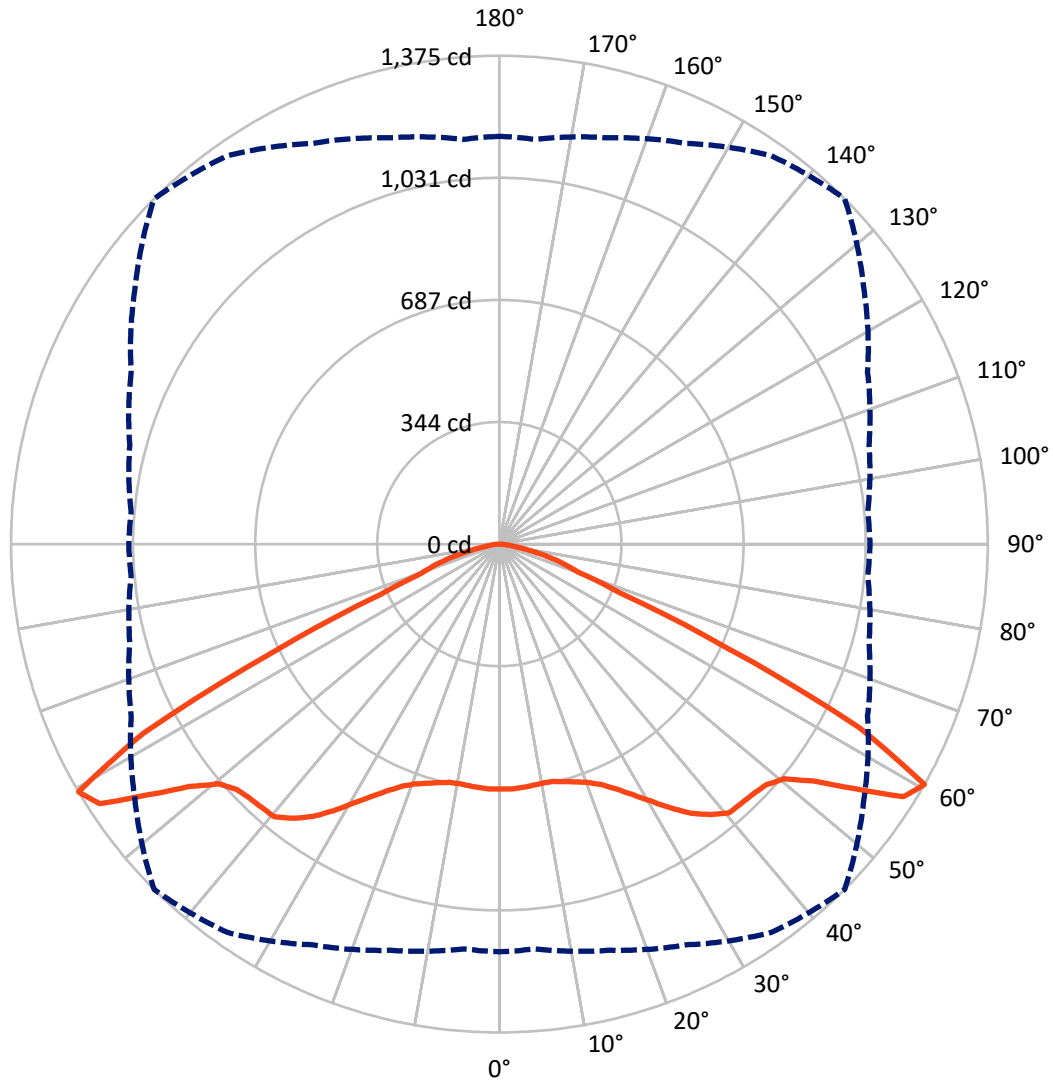
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 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	1886.1	0.0	1886.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1886.1	0.0	1886.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3772.2	0.0	3772.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	1.7
10°-20°	196.6	5.2
20°-30°	347.9	9.2
30°-40°	560.1	14.8
40°-50°	769.9	20.4
50°-60°	1025.9	27.2
60°-70°	639.4	17.0
70°-80°	147.0	3.9
80°-90°	19.9	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°	3772.2	100.0
0°-180°	3772.2	100.0

Coefficient of Utilization



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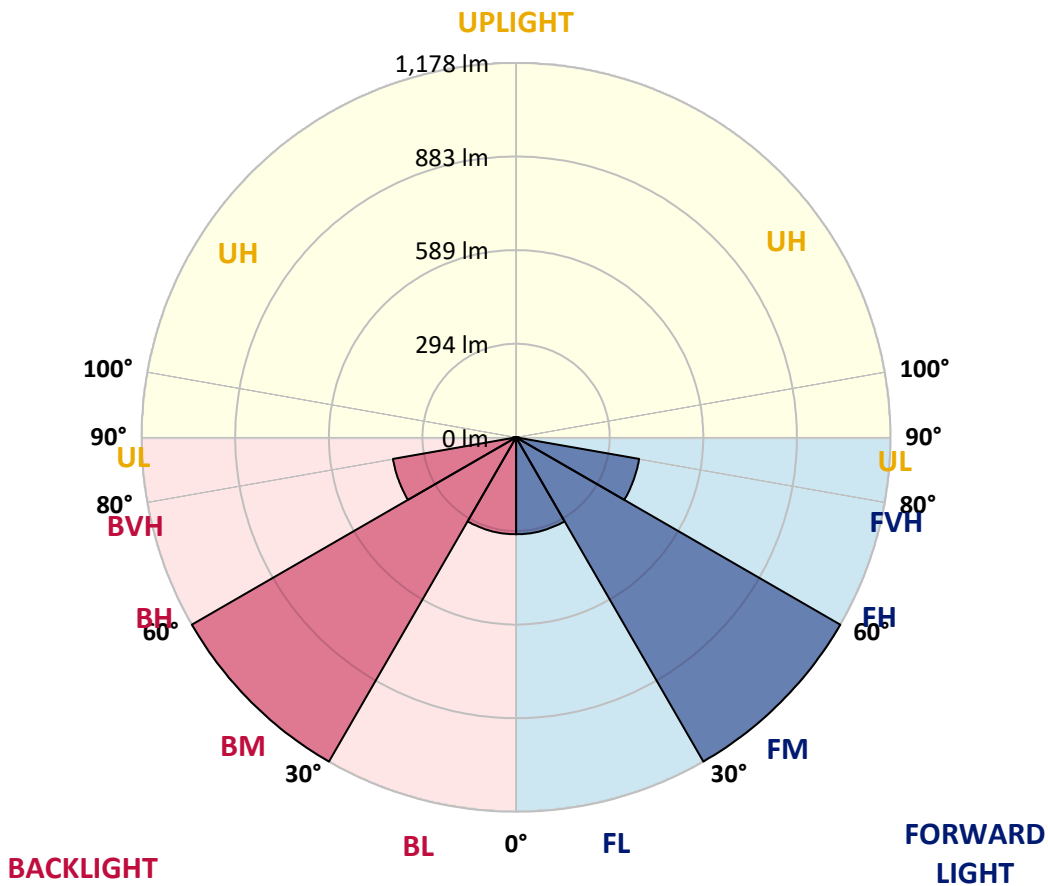
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	305.0	8.1			
FM (30°-60°)	1177.9	31.2			
FH (60°-80°)	393.2	10.4			G0/660
FVH (80°-90°)	10.0	0.3			G0/10
BL (0°-30°)	305.0	8.1	B1/500		
BM (30°-60°)	1177.9	31.2	B2/2500		
BH (60°-80°)	393.2	10.4	B1/500		G0/660
BVH (80°-90°)	10.0	0.3			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°	689.4	689.4	689.4	689.4	689.4	689.4	689.4	689.4	689.4	689.4	689.4
2.5°	684.6	685.2	686.5	687.4	688.7	690.0	690.6	689.4	688.7	686.2	689.0
5°	685.2	685.8	686.8	686.8	687.1	688.1	688.1	686.5	684.9	682.0	685.2
7.5°	684.2	684.9	685.2	684.9	685.2	685.5	684.9	683.0	681.4	678.8	681.4
10°	682.6	683.3	683.9	683.3	682.6	683.6	683.6	682.3	681.4	678.8	681.7
12.5°	686.2	687.1	687.4	685.8	685.2	685.5	685.5	684.2	684.2	682.0	685.2
15°	694.5	695.1	694.2	692.2	692.6	693.5	691.3	688.1	687.4	686.5	689.0
17.5°	700.9	701.5	700.6	699.3	701.5	703.8	699.6	693.5	691.6	691.0	693.8
20°	707.9	708.9	707.6	709.2	713.7	716.3	711.1	702.8	699.0	698.0	701.5
22.5°	719.5	720.7	720.7	724.3	731.0	735.2	728.7	717.5	711.8	710.2	713.7
25°	737.7	738.7	739.6	746.7	757.6	763.3	753.1	737.7	729.7	727.1	729.1
27.5°	763.0	764.6	766.2	776.5	789.9	798.2	783.5	764.3	754.4	749.2	753.1
30°	793.1	795.3	799.2	810.7	829.6	838.9	820.0	796.6	785.4	780.0	785.1
32.5°	834.1	834.4	837.3	850.1	875.1	885.6	861.9	836.0	824.5	818.1	821.0
35°	882.8	883.1	878.6	891.7	918.6	930.5	902.6	876.4	866.7	864.8	872.2
37.5°	932.7	929.8	925.3	931.1	958.3	966.0	936.5	914.1	910.0	913.5	924.4
40°	968.2	963.4	954.5	958.6	986.2	995.1	963.8	942.6	941.4	950.0	963.1
42.5°	991.3	986.2	975.6	975.6	994.5	998.3	974.0	962.8	965.7	975.6	988.1
45°	1002.5	999.6	993.5	990.3	1000.9	1002.5	983.9	979.5	984.9	989.7	999.3
47.5°	1011.2	1011.2	1009.2	1006.0	1010.8	1011.8	998.0	996.7	1003.8	1003.8	1010.2
50°	1026.5	1028.1	1030.7	1030.0	1035.2	1038.4	1028.1	1026.2	1029.1	1019.8	1023.0
52.5°	1066.9	1071.0	1078.4	1084.2	1097.3	1107.2	1089.0	1073.6	1058.5	1038.0	1038.7
55°	1139.2	1141.1	1155.6	1172.5	1194.6	1214.8	1177.3	1129.6	1097.0	1072.9	1073.3
57.5°	1200.4	1203.3	1224.4	1259.9	1309.6	1340.9	1258.0	1178.3	1132.2	1102.7	1103.7
60°	1147.6	1143.7	1183.7	1244.6	1334.5	1374.6	1252.3	1143.4	1077.1	1040.6	1043.2
62.5°	887.9	880.5	925.0	988.7	1096.6	1136.7	1024.0	919.6	856.8	828.3	824.2
65°	540.5	533.8	565.8	604.8	677.8	703.1	651.6	596.2	541.4	524.1	519.3
67.5°	294.3	293.3	301.9	321.1	353.2	365.0	355.1	328.8	314.7	302.6	302.6
70°	233.4	231.5	229.9	230.2	233.1	234.7	235.0	233.7	235.3	235.7	234.4
72.5°	193.4	192.8	189.6	189.9	188.6	188.0	190.2	191.5	194.0	194.4	194.4
75°	140.2	138.6	140.2	140.6	139.3	139.3	140.9	140.6	141.8	142.5	139.0
77.5°	79.7	79.7	82.0	84.5	86.5	86.5	88.1	88.1	89.7	89.3	88.7
80°	43.9	43.9	45.1	46.7	48.7	50.6	52.2	52.5	53.5	53.2	52.2
82.5°	25.0	25.3	25.9	26.9	28.8	30.4	32.0	32.3	33.3	33.3	32.3
85°	11.8	11.5	11.8	12.5	13.4	14.7	16.3	17.3	17.9	17.9	17.3
87.5°	2.2	2.6	2.2	2.6	2.9	3.8	4.5	5.1	6.1	6.4	5.8
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)