

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: P629879

Luminaire Tested: GWS-SA1C-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2587.4 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - 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

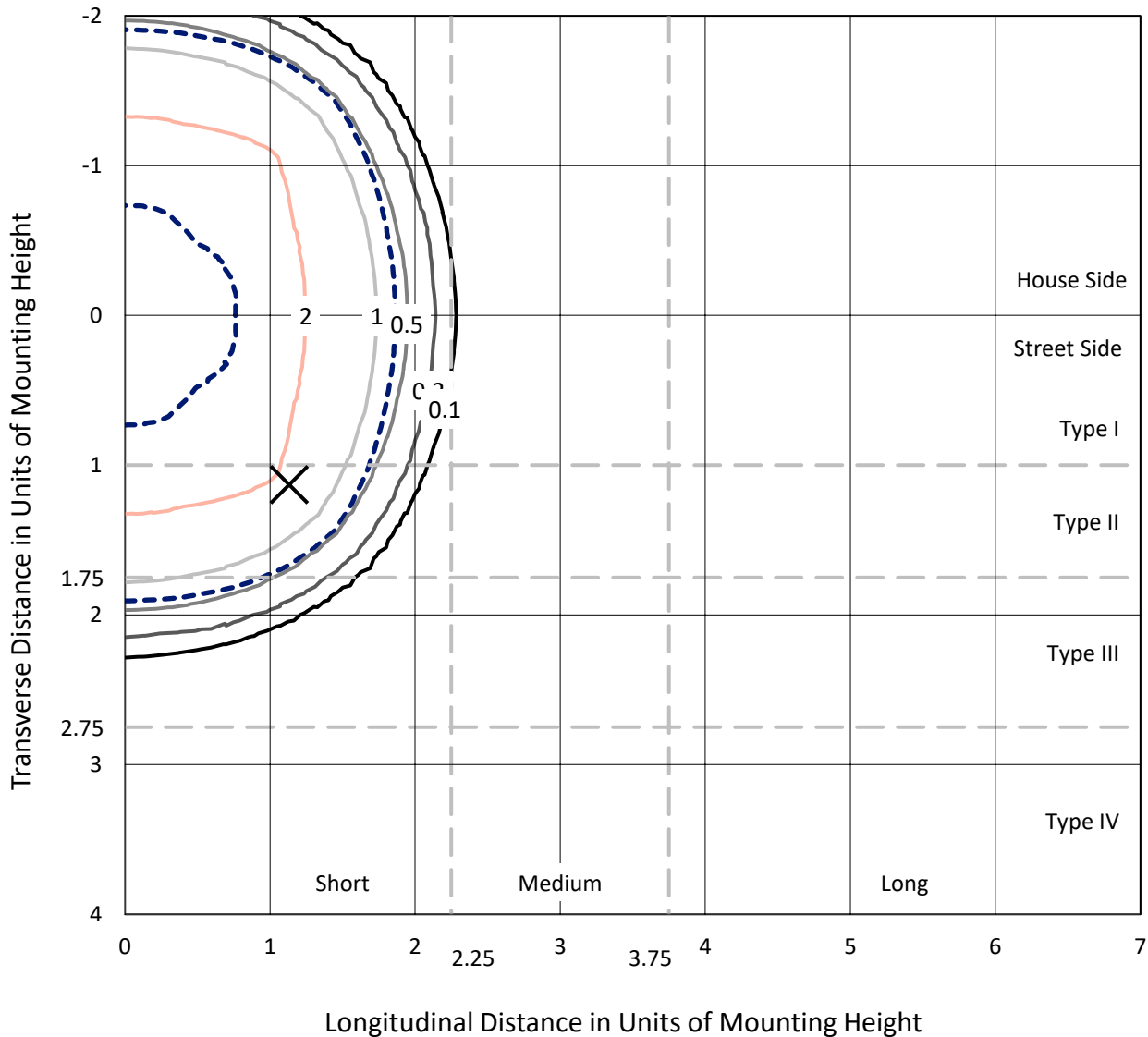


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Iso-Footcandle Lines of Horizontal Illumination

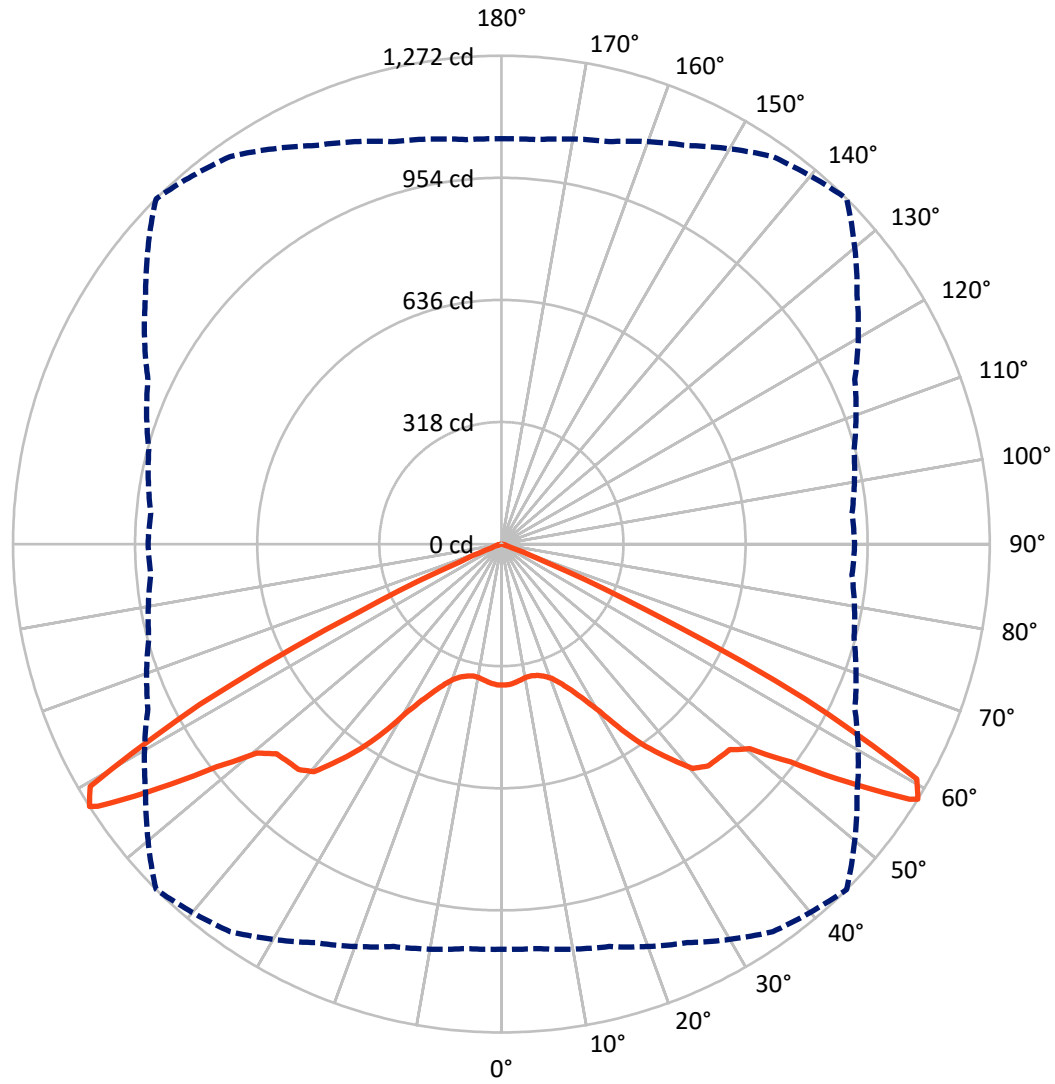
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1293.7	0.0	1293.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1293.7	0.0	1293.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2587.4	0.0	2587.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	1.3
10°-20°	101.3	3.9
20°-30°	191.6	7.4
30°-40°	377.8	14.6
40°-50°	597.9	23.1
50°-60°	878.9	34.0
60°-70°	392.3	15.2
70°-80°	13.1	0.5
80°-90°	0.1	0.0
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°	2587.4	100.0
0°-180°	2587.4	100.0

Coefficient of Utilization



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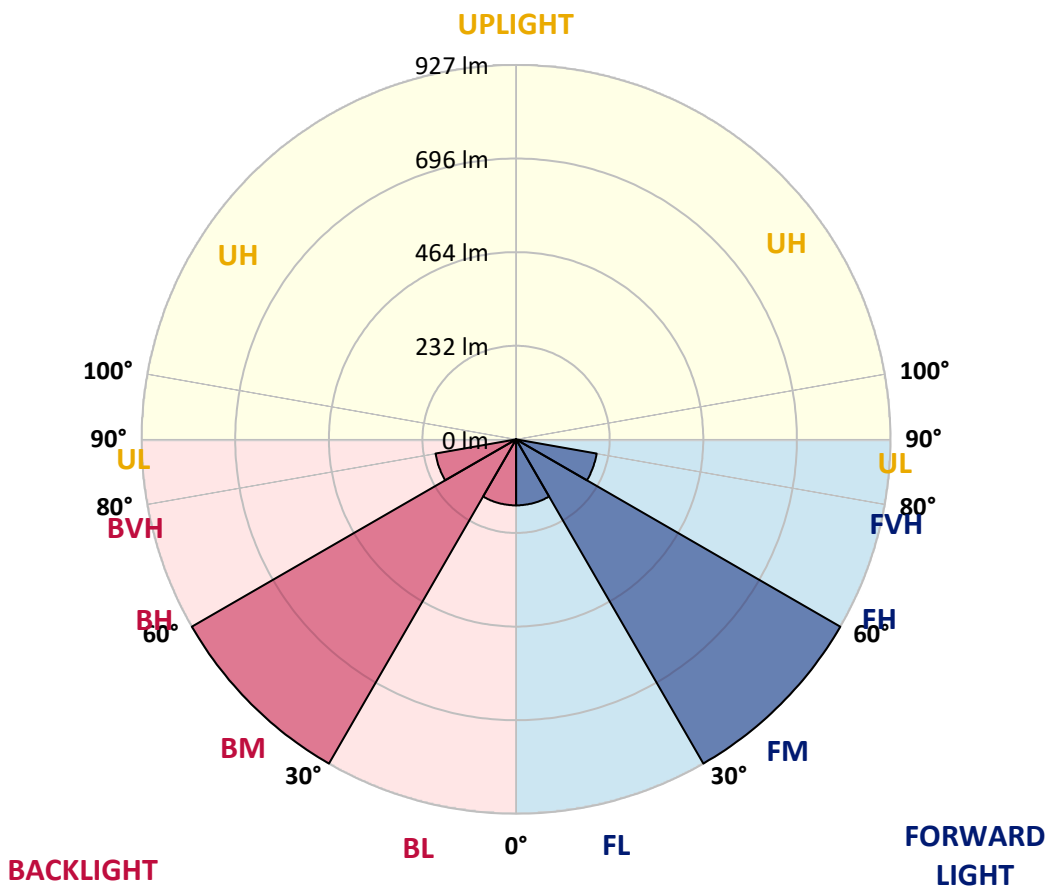
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.6	6.3			
FM (30°-60°)	927.4	35.8			
FH (60°-80°)	202.7	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	163.6	6.3	B1/500		
BM (30°-60°)	927.4	35.8	B1/1000		
BH (60°-80°)	202.7	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9
2.5°	363.4	364.1	364.8	365.2	365.5	366.6	366.9	365.9	365.9	363.8	366.2
5°	361.6	362.3	363.1	362.7	362.7	362.7	362.3	360.9	360.6	358.5	360.9
7.5°	358.5	359.2	359.2	358.1	357.4	357.4	357.1	355.3	354.9	352.8	355.3
10°	356.0	356.4	356.0	353.9	352.5	352.5	352.1	351.4	351.8	350.4	352.5
12.5°	357.4	357.8	356.4	353.5	351.8	351.4	350.4	349.3	350.4	350.0	352.1
15°	362.0	362.3	359.9	356.4	354.9	354.9	352.1	349.3	350.7	351.1	353.5
17.5°	367.6	367.6	364.5	361.3	361.6	361.6	357.1	352.1	352.5	353.9	356.4
20°	374.3	374.3	371.2	370.5	372.9	373.3	367.6	359.9	358.1	359.2	362.0
22.5°	386.3	386.3	383.8	385.6	391.2	393.0	384.6	373.6	369.4	370.1	372.9
25°	405.0	405.0	404.3	408.5	416.6	420.5	409.2	394.8	387.7	386.7	389.8
27.5°	436.4	436.7	435.7	442.0	452.2	456.8	441.3	422.3	413.8	412.0	415.2
30°	476.9	476.9	477.3	486.1	499.5	505.5	485.0	462.8	452.9	447.3	451.5
32.5°	522.0	522.7	526.2	541.1	564.7	577.0	547.0	516.0	500.2	494.2	498.8
35°	596.4	589.7	585.5	596.4	630.6	646.8	608.4	572.1	560.1	559.4	571.0
37.5°	670.1	666.2	657.4	668.6	699.3	706.7	664.4	634.1	625.6	630.2	641.9
40°	728.6	721.5	709.9	720.5	760.6	768.0	715.9	685.9	682.7	693.0	708.8
42.5°	774.7	764.9	749.4	751.8	784.3	789.5	743.4	720.8	722.9	735.6	753.6
45°	795.5	787.8	774.0	773.0	793.4	793.8	757.5	745.8	751.5	761.3	775.4
47.5°	804.4	800.8	793.1	791.3	802.9	800.1	777.6	772.6	777.9	780.7	788.8
50°	826.2	826.2	827.3	828.7	840.7	837.8	822.0	816.3	809.6	799.8	802.2
52.5°	887.5	890.0	900.2	911.5	933.4	942.5	916.8	884.0	851.9	830.4	830.4
55°	998.2	1000.7	1012.7	1031.7	1071.9	1093.7	1033.8	961.6	917.5	888.2	892.1
57.5°	1059.2	1062.0	1086.7	1138.1	1216.0	1253.1	1124.4	1017.2	955.6	922.1	924.9
58°	1055.3	1057.1	1084.9	1145.2	1231.9	1271.7	1130.7	1015.5	950.6	916.4	920.0
60°	937.6	935.1	979.5	1065.5	1187.8	1242.8	1067.7	927.0	851.6	816.7	818.4
62.5°	613.0	614.4	652.8	742.7	837.8	889.7	745.8	641.2	580.5	559.4	554.1
65°	255.9	251.3	274.9	325.0	382.1	411.0	353.2	298.9	261.5	247.4	251.3
67.5°	65.9	64.2	65.6	82.1	100.5	118.8	99.8	76.1	66.3	67.0	67.0
70°	37.4	35.2	28.6	26.4	25.7	25.7	25.7	25.7	29.6	34.9	36.0
72.5°	28.2	26.4	20.8	18.0	15.9	14.8	15.5	18.0	21.5	26.1	26.8
75°	14.1	14.1	12.7	12.0	10.6	9.9	10.2	11.3	13.0	14.8	14.5
77.5°	2.8	3.2	3.5	4.2	3.5	3.5	3.5	4.2	4.2	4.6	4.2
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)