

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: P629878

Luminaire Tested: GWS-SA1C-750-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5138.9 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

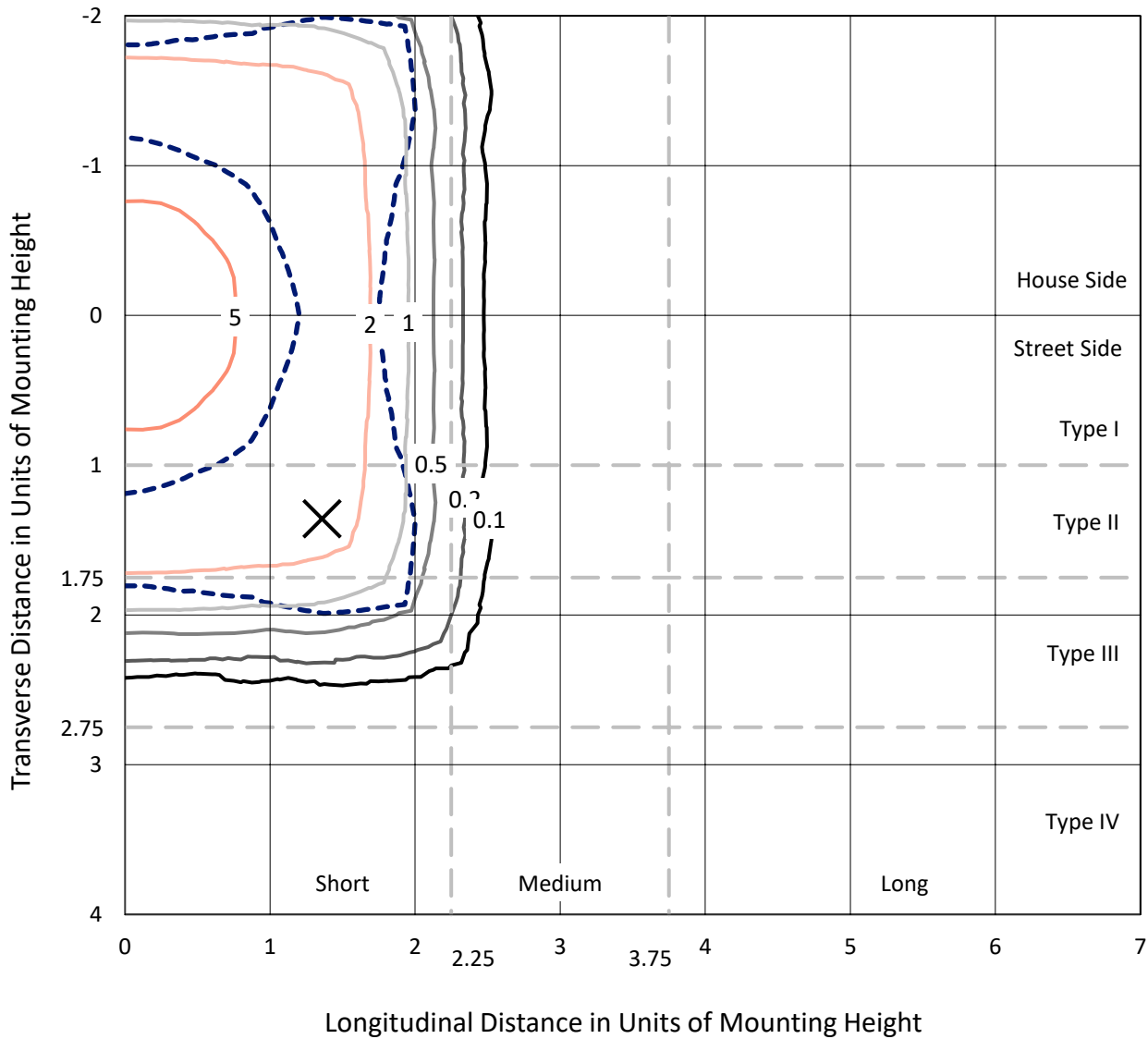
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

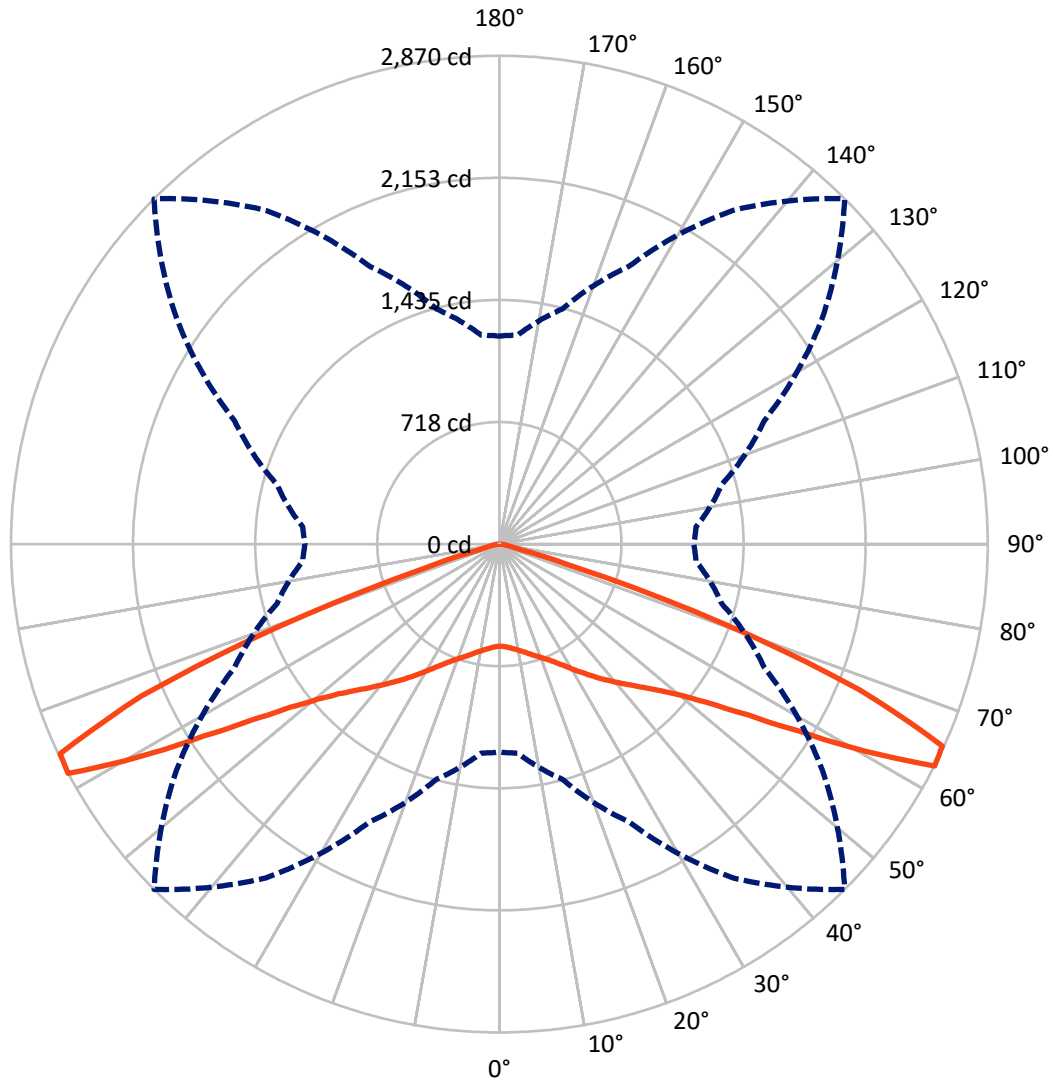
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2569.4	0.0	2569.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2569.4	0.0	2569.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	5138.9	0.0	5138.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	1.1
10°-20°	189.7	3.7
20°-30°	358.9	7.0
30°-40°	604.0	11.8
40°-50°	965.1	18.8
50°-60°	1555.6	30.3
60°-70°	1269.2	24.7
70°-80°	123.3	2.4
80°-90°	14.3	0.3
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°	5138.9	100.0
0°-180°	5138.9	100.0

Coefficient of Utilization



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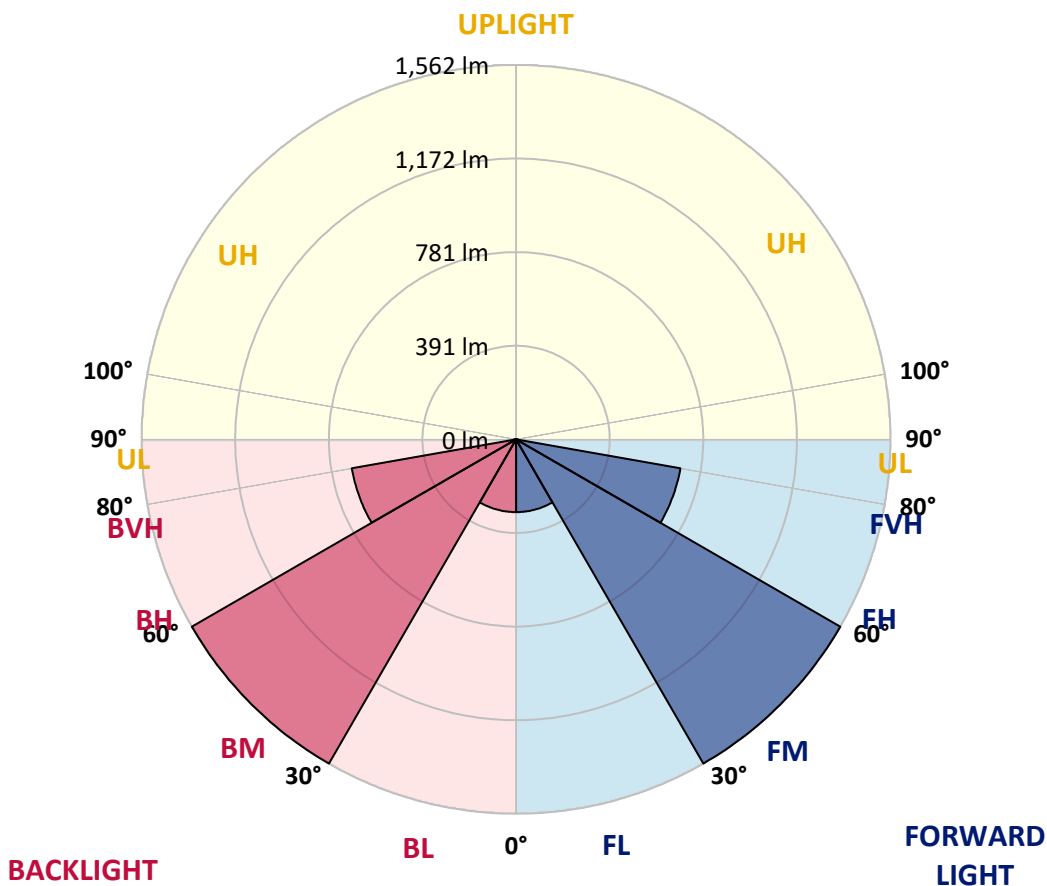
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	303.7	5.9			
FM (30°-60°)	1562.4	30.4			
FH (60°-80°)	696.2	13.5			G1/1800
FVH (80°-90°)	7.2	0.1			G0/10
BL (0°-30°)	303.7	5.9	B1/500		
BM (30°-60°)	1562.4	30.4	B2/2500		
BH (60°-80°)	696.2	13.5	B2/1000		G1/1800
BVH (80°-90°)	7.2	0.1			G0/10
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°	599.5	599.5	599.5	599.5	599.5	599.5	599.5	599.5	599.5	599.5	599.5
2.5°	598.8	598.8	600.2	601.3	600.6	603.4	603.0	602.3	602.0	600.9	604.1
5°	606.9	606.9	608.0	609.0	607.3	610.8	609.4	608.7	608.3	606.9	609.7
7.5°	616.1	617.1	617.5	619.3	618.2	622.1	621.0	619.6	618.9	617.1	619.6
10°	626.3	627.0	627.4	630.5	630.9	635.5	634.4	632.7	631.2	629.5	633.0
12.5°	640.1	640.4	641.5	645.3	646.4	649.9	649.6	647.1	645.3	642.9	646.8
15°	657.7	658.0	659.8	663.7	665.4	669.7	668.3	664.4	661.9	659.1	662.3
17.5°	676.0	677.4	679.2	683.1	685.5	690.5	688.7	684.5	682.3	679.5	681.6
20°	699.6	700.0	701.0	705.3	707.0	712.7	713.0	708.8	707.7	704.9	708.1
22.5°	725.7	726.1	727.1	731.7	734.9	738.4	740.5	738.0	736.3	732.7	736.6
25°	754.6	758.1	759.2	764.8	768.3	770.5	772.9	771.9	769.4	765.2	766.9
27.5°	795.1	795.8	797.6	803.9	806.1	808.2	810.6	811.0	807.5	802.5	805.0
30°	841.3	841.0	844.8	849.8	851.5	853.3	856.8	858.9	854.3	849.1	851.5
32.5°	888.5	892.8	897.7	902.3	901.2	901.9	907.6	911.4	905.1	895.6	897.7
35°	941.8	944.6	950.9	957.6	956.2	955.1	958.7	962.5	953.7	941.4	944.6
37.5°	996.4	1000.6	1010.1	1018.2	1016.1	1011.2	1015.1	1019.3	1010.8	996.7	995.3
40°	1057.4	1064.1	1077.8	1084.5	1078.9	1069.3	1076.0	1086.3	1077.8	1061.6	1057.7
42.5°	1128.9	1137.0	1150.8	1161.0	1148.6	1133.1	1144.4	1159.2	1157.1	1135.6	1128.9
45°	1217.4	1222.7	1239.6	1244.5	1226.2	1204.7	1225.1	1247.7	1242.4	1219.1	1210.3
47.5°	1313.6	1321.7	1336.5	1345.7	1316.1	1289.3	1317.8	1348.1	1342.5	1320.6	1310.4
50°	1436.2	1446.8	1466.2	1474.0	1433.1	1402.4	1439.1	1477.5	1466.6	1437.3	1423.9
52.5°	1569.8	1578.3	1611.4	1626.9	1588.5	1555.4	1587.4	1625.2	1601.9	1563.1	1545.2
55°	1687.5	1696.0	1744.6	1796.1	1794.3	1771.4	1787.6	1788.3	1725.3	1661.1	1642.1
57.5°	1712.9	1721.4	1814.1	1948.7	2043.9	2070.3	2022.7	1922.6	1763.7	1651.2	1629.7
60°	1577.6	1587.1	1734.4	1980.4	2293.4	2470.0	2250.8	1919.8	1644.9	1492.6	1472.2
62.5°	1222.3	1232.5	1430.6	1800.0	2394.2	2870.0	2317.0	1717.9	1353.1	1160.3	1142.3
65°	583.7	583.7	835.3	1291.0	2193.3	2860.5	2125.3	1270.9	814.5	625.6	610.1
67.5°	144.5	145.2	215.0	502.6	1491.9	2282.8	1516.3	610.1	286.9	203.0	197.7
70°	90.2	89.9	99.7	136.0	522.0	1385.5	620.0	184.0	116.7	102.9	102.2
72.5°	70.1	70.1	75.1	87.1	136.8	471.9	180.8	102.2	84.6	76.1	76.1
75°	55.3	55.3	58.9	65.2	80.7	121.6	96.2	75.8	65.6	59.9	59.2
77.5°	41.2	41.9	44.8	49.0	55.0	68.4	61.0	57.1	51.1	46.9	45.5
80°	26.8	27.8	31.4	33.8	36.0	45.1	39.8	41.6	38.8	33.8	33.1
82.5°	14.5	14.8	19.0	19.7	20.4	24.7	25.4	26.4	27.5	21.5	20.1
85°	5.3	5.3	6.3	7.4	8.1	8.8	12.0	14.8	15.5	12.3	12.0
87.5°	1.1	1.1	1.1	0.7	0.7	0.7	2.1	3.9	6.3	4.9	4.9
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)