

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: P631031

Luminaire Tested: GWS-SA1E-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-830-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4235.8 lumens
Efficiency: N/A
Efficacy: 72.5 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

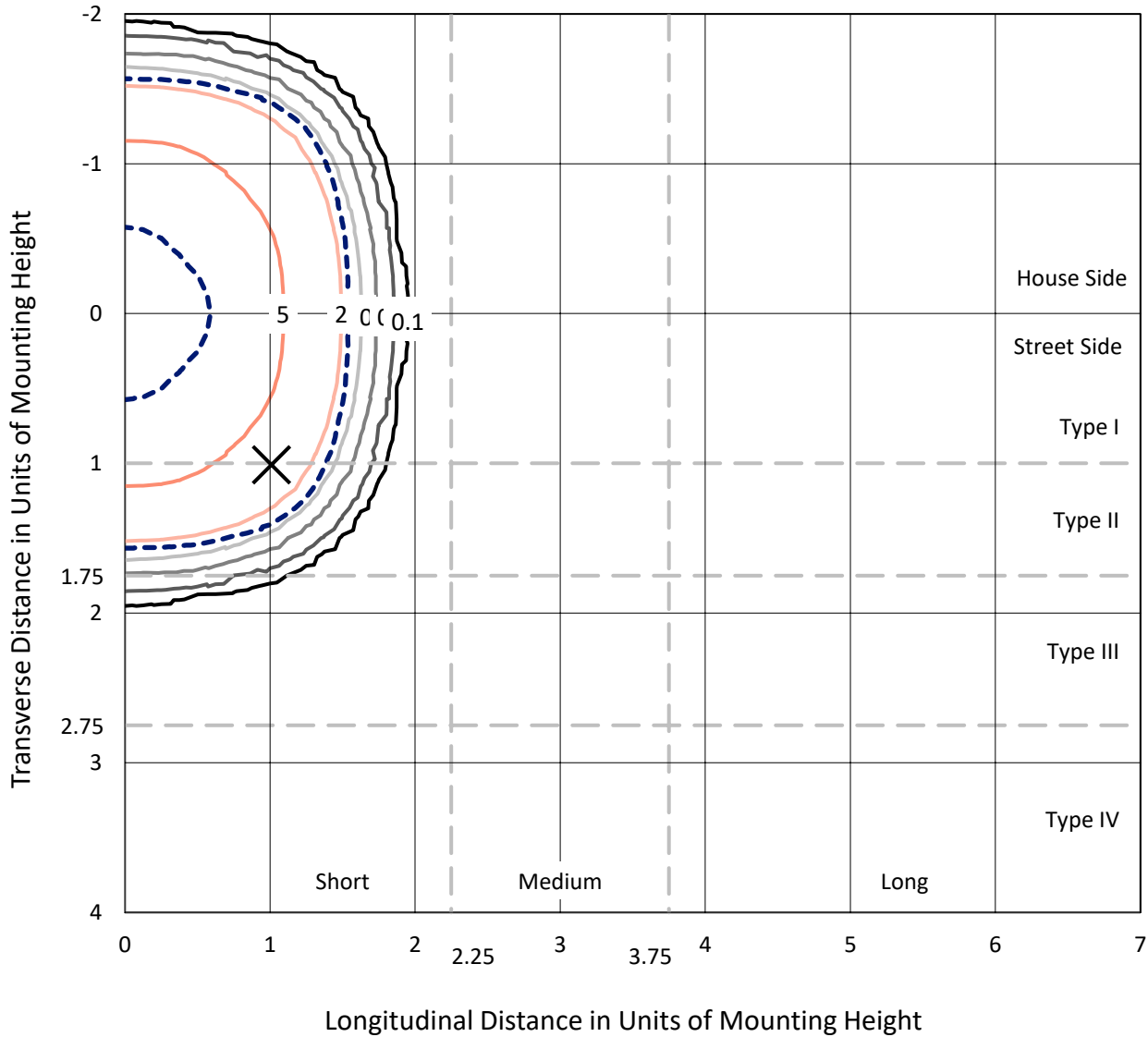
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

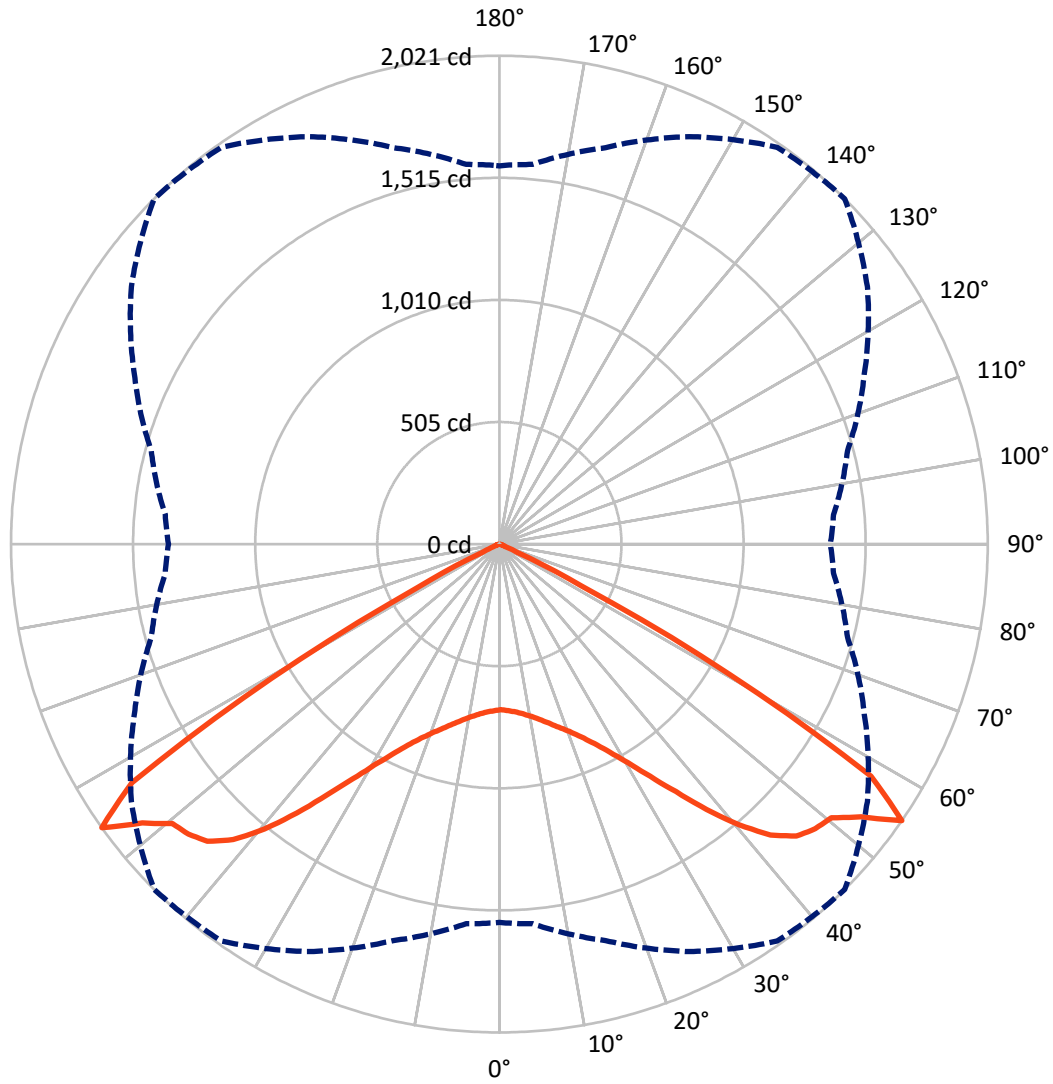
✕ Max cd
 - - - 1/2 Max cd



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 55-Deg Vertical

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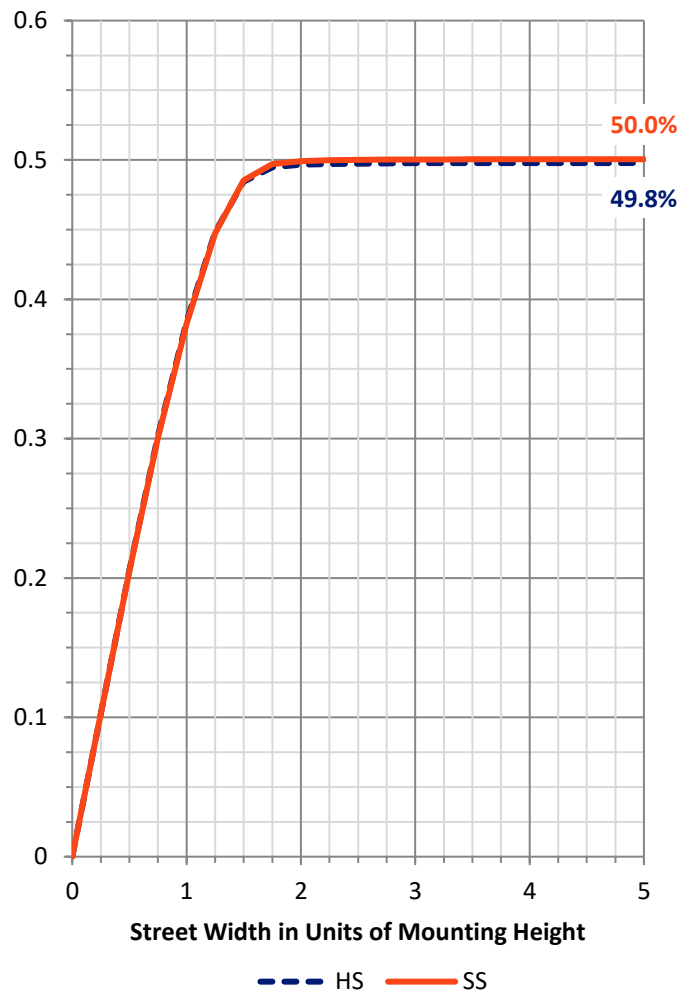
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2117.9	0.0	2117.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2117.9	0.0	2117.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	4235.8	0.0	4235.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	1.6
10°-20°	217.5	5.1
20°-30°	421.2	9.9
30°-40°	754.7	17.8
40°-50°	1265.2	29.9
50°-60°	1354.4	32.0
60°-70°	148.8	3.5
70°-80°	6.5	0.2
80°-90°	0.3	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°	4235.8	100.0
0°-180°	4235.8	100.0

Coefficient of Utilization



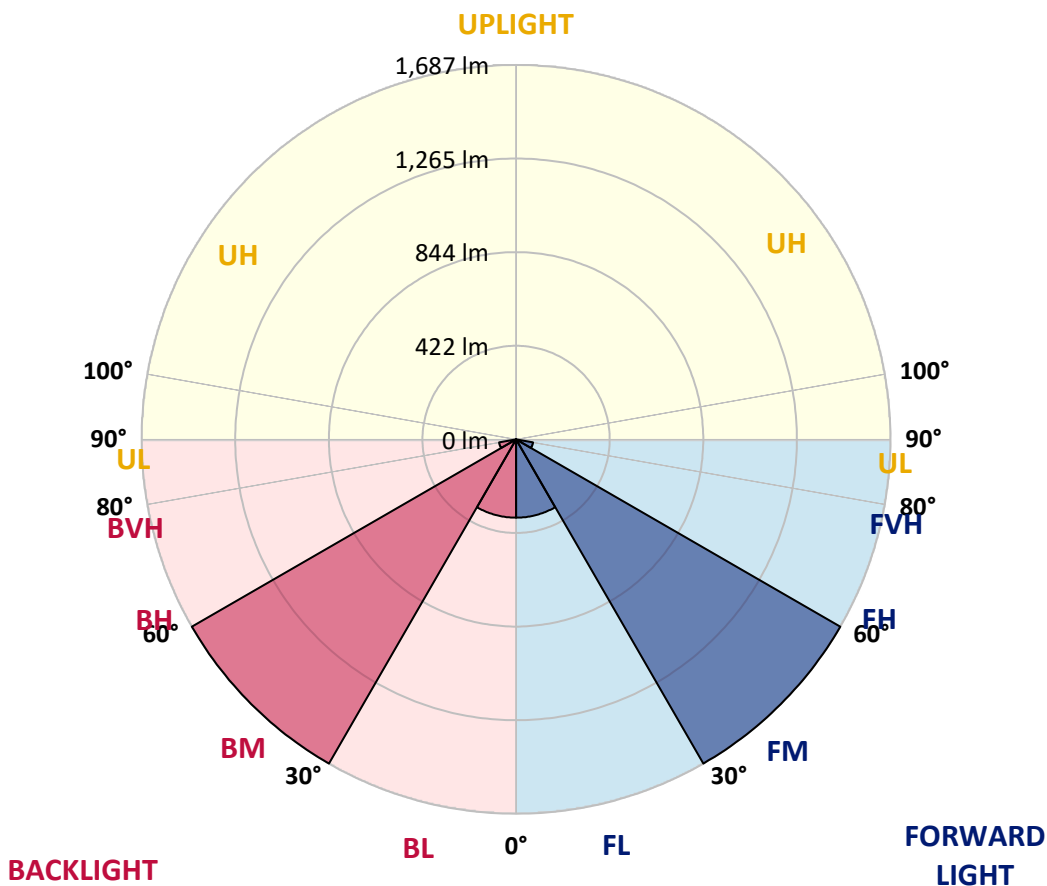
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	352.9	8.3			
FM (30°-60°)	1687.1	39.8			
FH (60°-80°)	77.7	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	352.9	8.3	B1/500		
BM (30°-60°)	1687.1	39.8	B2/2500		
BH (60°-80°)	77.7	1.8	B0/110		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: 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°	684.8	684.8	684.8	684.8	684.8	684.8	684.8	684.8	684.8	684.8	684.8
2.5°	683.6	683.6	685.3	686.6	686.6	690.0	688.7	687.4	687.4	685.7	689.2
5°	693.5	693.0	694.8	695.6	693.9	697.4	695.2	693.9	693.0	691.3	694.8
7.5°	704.3	704.7	705.1	706.9	706.0	709.4	707.7	705.1	704.3	701.7	705.1
10°	717.2	717.2	718.1	720.2	720.7	725.0	723.3	720.2	717.6	715.1	718.5
12.5°	733.6	734.0	735.3	738.4	740.1	744.8	742.2	736.2	732.3	729.3	733.2
15°	757.3	756.9	758.6	763.0	765.1	768.6	764.7	756.5	751.7	748.3	750.9
17.5°	783.2	783.2	784.1	788.4	791.4	796.6	791.9	781.9	777.6	772.9	775.5
20°	811.7	813.0	813.9	816.9	822.1	827.3	823.4	813.4	808.7	802.7	805.7
22.5°	849.3	848.0	848.4	853.6	860.9	866.1	863.1	851.4	843.2	838.5	840.2
25°	891.1	890.7	892.0	899.8	908.0	913.6	909.2	894.1	885.9	877.7	881.2
27.5°	942.5	942.9	943.8	953.3	966.2	974.4	963.6	948.5	937.3	926.5	929.1
30°	1003.3	1002.5	1005.0	1018.0	1037.0	1049.9	1037.4	1016.3	1000.3	989.9	991.2
32.5°	1068.1	1068.9	1075.8	1096.5	1121.6	1144.4	1119.0	1090.9	1070.2	1050.8	1053.4
35°	1138.0	1140.1	1155.7	1186.3	1227.3	1257.9	1222.5	1176.4	1147.0	1122.0	1122.9
37.5°	1220.4	1225.6	1247.1	1292.9	1351.6	1392.6	1340.8	1279.5	1241.5	1210.5	1208.3
40°	1328.7	1334.7	1364.1	1418.5	1489.7	1527.2	1467.2	1404.2	1357.2	1323.5	1318.3
42.5°	1453.0	1460.7	1492.7	1548.4	1619.6	1645.0	1586.3	1533.2	1491.0	1451.3	1449.5
45°	1593.2	1597.5	1623.4	1666.2	1717.5	1723.6	1679.5	1650.2	1607.5	1570.4	1567.3
47.5°	1724.8	1729.2	1746.9	1768.9	1780.9	1759.4	1751.6	1738.7	1683.4	1637.7	1628.2
50°	1825.0	1828.4	1850.4	1859.1	1825.4	1779.7	1794.8	1767.1	1707.2	1655.8	1641.1
52.5°	1818.1	1826.7	1883.2	1932.4	1911.3	1874.2	1833.6	1774.0	1680.8	1610.5	1592.4
55°	1565.2	1576.8	1698.1	1859.9	2004.5	2020.5	1858.2	1666.2	1491.0	1387.8	1369.3
57.5°	1005.9	1008.9	1156.9	1383.9	1709.7	1812.5	1541.0	1256.2	1038.3	924.8	917.0
60°	369.8	363.8	475.6	663.7	984.8	1093.5	907.1	635.2	453.1	372.8	366.4
62.5°	88.9	89.8	111.3	167.0	309.0	382.3	302.1	168.7	107.5	90.2	89.3
65°	44.9	44.0	44.4	47.9	66.0	79.0	64.7	45.7	44.0	44.4	44.0
67.5°	28.9	28.5	29.3	29.8	29.3	27.6	27.2	28.0	28.0	28.5	27.6
70°	17.7	17.3	18.1	19.4	18.6	16.4	17.3	18.1	17.3	16.8	16.8
72.5°	9.5	9.5	10.4	11.2	10.4	9.5	9.5	9.9	9.5	9.5	9.5
75°	4.3	4.3	4.7	5.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3
77.5°	1.3	1.3	1.7	1.7	1.3	1.3	1.3	1.3	1.7	1.7	1.7
80°	0.4	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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)