

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: P631586

Luminaire Tested: GWS-SA2B-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5153.6 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

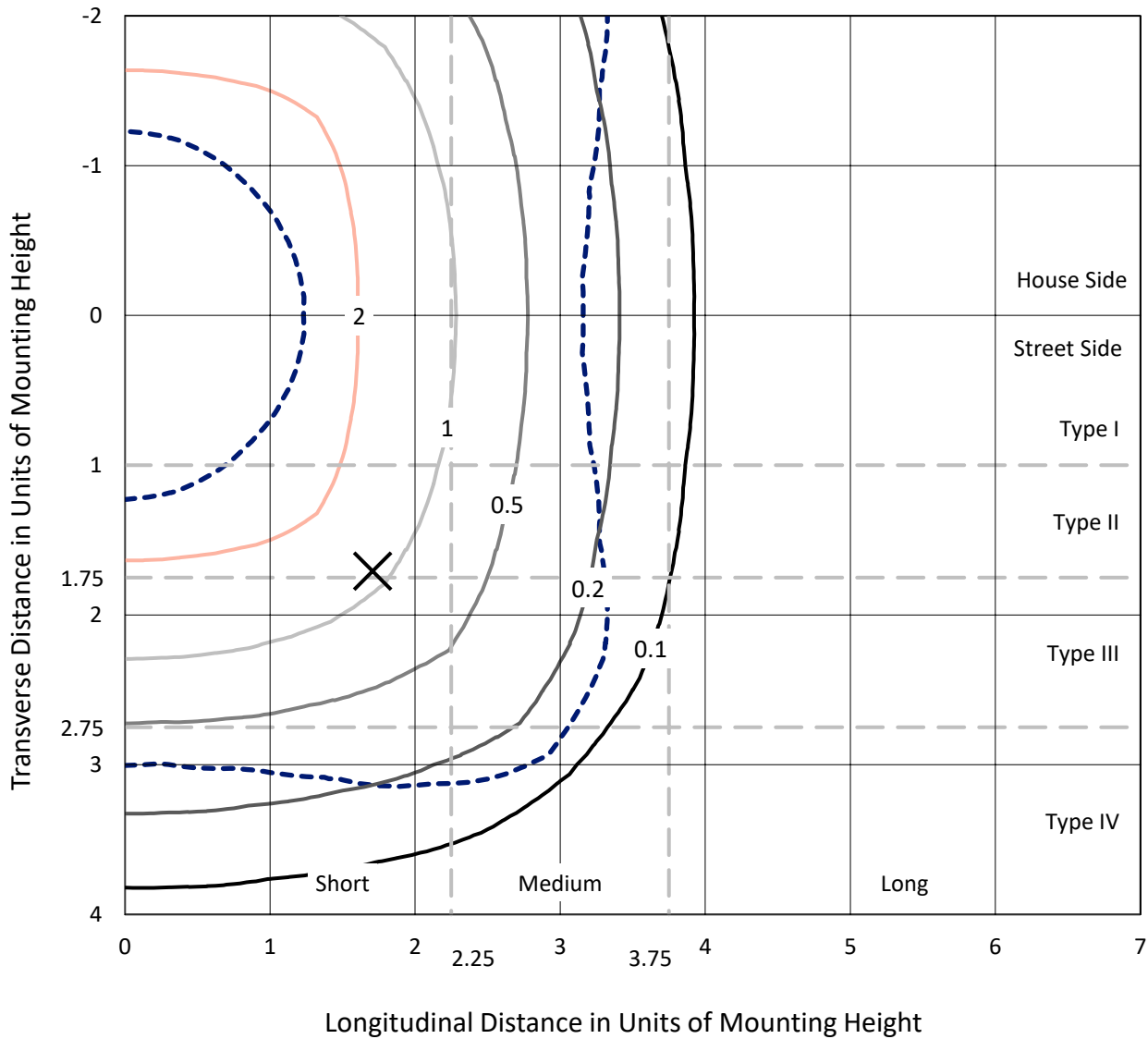
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

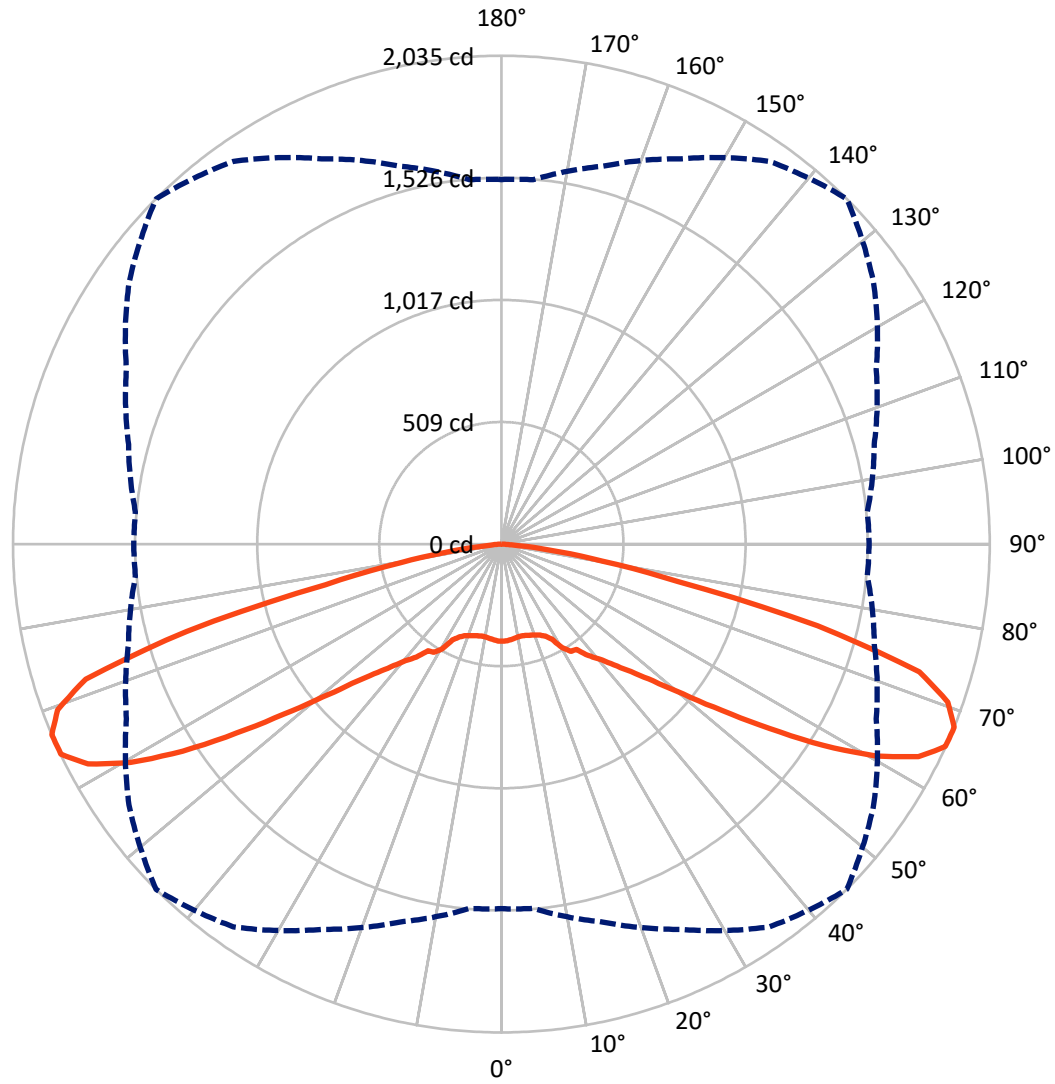
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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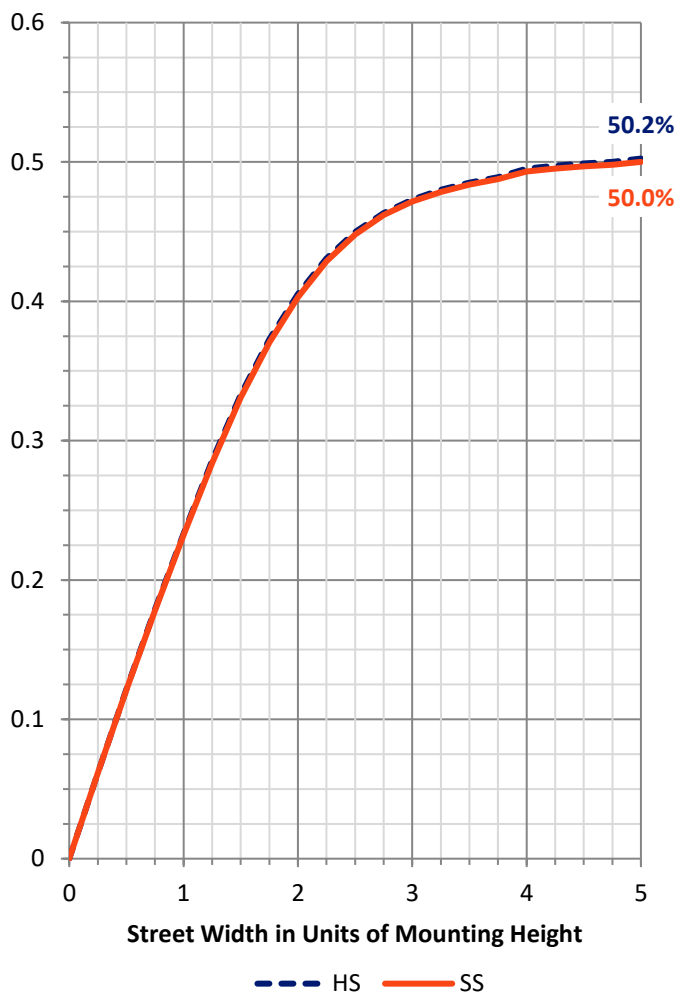
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2576.8	0.0	2576.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2576.8	0.0	2576.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5153.6	0.0	5153.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	0.7
10°-20°	112.6	2.2
20°-30°	202.0	3.9
30°-40°	341.2	6.6
40°-50°	599.6	11.6
50°-60°	1156.6	22.4
60°-70°	1678.0	32.6
70°-80°	960.1	18.6
80°-90°	65.5	1.3
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°	5153.6	100.0
0°-180°	5153.6	100.0

Coefficient of Utilization



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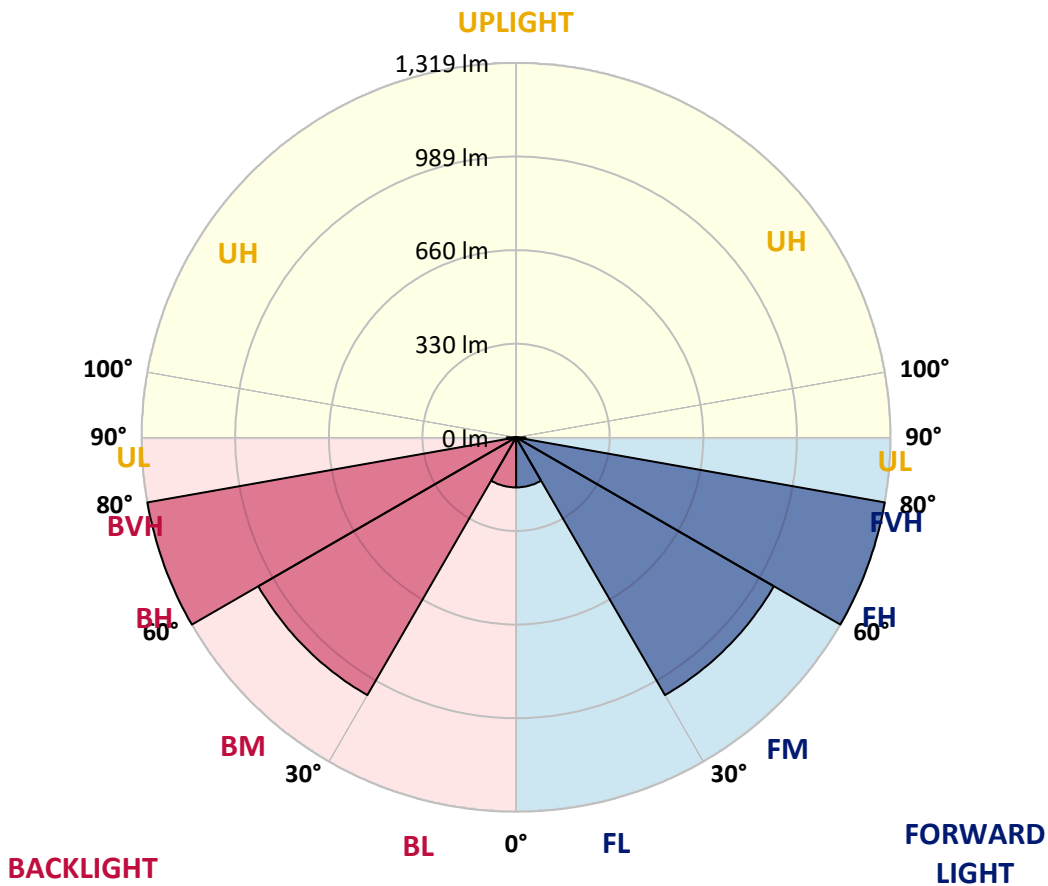
CATALOG NUMBER: GWS-SA2B-722-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	176.3	3.4			
FM (30°-60°)	1048.7	20.3			
FH (60°-80°)	1319.1	25.6			G1/1800
FVH (80°-90°)	32.8	0.6			G1/100
BL (0°-30°)	176.3	3.4	B1/500		
BM (30°-60°)	1048.7	20.3	B2/2500		
BH (60°-80°)	1319.1	25.6	B3/2500		G1/1800
BVH (80°-90°)	32.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1
2.5°	400.9	401.2	402.0	402.0	402.7	403.8	404.1	403.4	403.8	402.0	403.8
5°	399.8	400.1	400.5	399.8	399.8	400.1	400.1	399.4	399.8	398.0	399.8
7.5°	397.2	397.6	397.6	396.5	395.4	396.1	396.1	395.4	395.8	393.9	396.1
10°	395.0	395.0	394.7	392.5	391.4	392.5	392.9	393.2	394.7	393.2	395.8
12.5°	396.5	396.5	395.4	392.5	390.7	391.4	392.1	392.9	395.4	395.0	398.0
15°	400.5	400.9	398.0	394.7	393.6	394.7	393.9	393.6	396.9	398.0	401.2
17.5°	403.8	403.8	400.1	396.9	397.2	399.0	397.6	395.8	399.0	401.2	404.9
20°	406.7	406.3	402.3	400.1	401.6	404.1	403.1	400.5	402.7	405.2	408.5
22.5°	414.0	413.6	409.2	408.2	409.6	412.2	411.1	408.9	411.4	415.1	419.1
25°	434.8	434.0	427.5	423.8	423.1	424.9	424.6	423.8	427.8	432.2	436.9
27.5°	462.5	462.1	457.4	453.7	449.0	447.5	448.6	451.9	457.7	461.0	465.0
30°	476.3	476.3	475.6	481.4	491.6	501.4	493.8	481.4	476.3	474.8	478.9
32.5°	494.5	496.3	493.8	500.4	517.5	532.1	517.5	497.4	493.8	493.8	498.2
35°	536.4	537.2	533.2	532.1	537.5	539.3	532.4	525.1	529.1	529.9	535.3
37.5°	570.0	570.0	568.1	571.1	582.4	589.3	578.0	564.9	566.0	566.7	573.6
40°	621.7	623.2	618.8	618.4	622.8	629.0	617.0	608.6	614.4	616.2	626.8
42.5°	686.2	686.2	679.7	677.8	680.7	687.3	676.0	670.5	678.2	679.7	685.8
45°	763.1	764.9	756.2	752.9	754.4	756.5	748.5	746.0	753.3	756.5	767.5
47.5°	856.8	858.6	850.9	850.6	849.1	850.6	842.9	841.5	847.3	844.7	856.4
50°	972.3	975.6	969.0	978.1	977.0	981.4	970.8	963.2	963.2	956.3	962.8
52.5°	1101.7	1108.2	1111.5	1126.8	1138.5	1149.4	1131.9	1119.9	1102.4	1088.2	1106.0
55°	1242.7	1240.9	1261.6	1295.2	1329.4	1355.3	1321.0	1283.1	1254.7	1225.2	1232.1
57.5°	1366.2	1372.4	1399.8	1461.0	1528.8	1583.4	1521.8	1449.0	1384.5	1342.2	1348.0
60°	1469.0	1474.1	1510.5	1598.7	1717.2	1792.6	1694.9	1574.7	1481.0	1422.7	1428.9
62.5°	1563.7	1568.5	1605.3	1702.6	1852.0	1950.4	1824.3	1660.0	1555.7	1497.1	1500.7
65°	1618.4	1621.3	1671.6	1774.0	1931.5	2033.1	1891.0	1721.5	1619.1	1559.4	1561.6
67.5°	1518.9	1523.7	1629.7	1771.1	1946.8	2034.6	1893.9	1723.4	1608.2	1530.2	1532.0
70°	1198.2	1194.2	1320.7	1563.7	1858.9	1973.4	1809.7	1594.0	1416.2	1307.2	1305.4
72.5°	913.6	914.7	985.0	1151.6	1515.6	1821.0	1596.9	1283.5	1091.8	1009.1	1005.8
75°	662.5	672.7	729.9	852.0	1060.1	1361.1	1202.2	951.1	822.9	773.3	766.0
77.5°	298.5	311.6	391.4	535.0	708.8	752.2	755.1	645.8	487.2	404.9	392.1
80°	87.1	93.3	119.9	205.2	330.2	426.7	338.9	285.0	177.5	139.2	132.7
82.5°	36.8	41.9	51.4	56.9	95.8	197.9	123.2	78.4	72.9	59.0	53.9
85°	15.7	16.8	21.5	23.0	31.0	42.3	39.0	35.3	33.9	26.2	24.1
87.5°	6.6	6.6	6.6	5.8	5.5	5.8	8.0	10.2	13.5	10.6	9.8
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)