

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: P631803

Luminaire Tested: GWS-SA2B-740-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631803
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-SA2B-740-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7213.1 lumens
Efficiency: N/A
Efficacy: 155.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

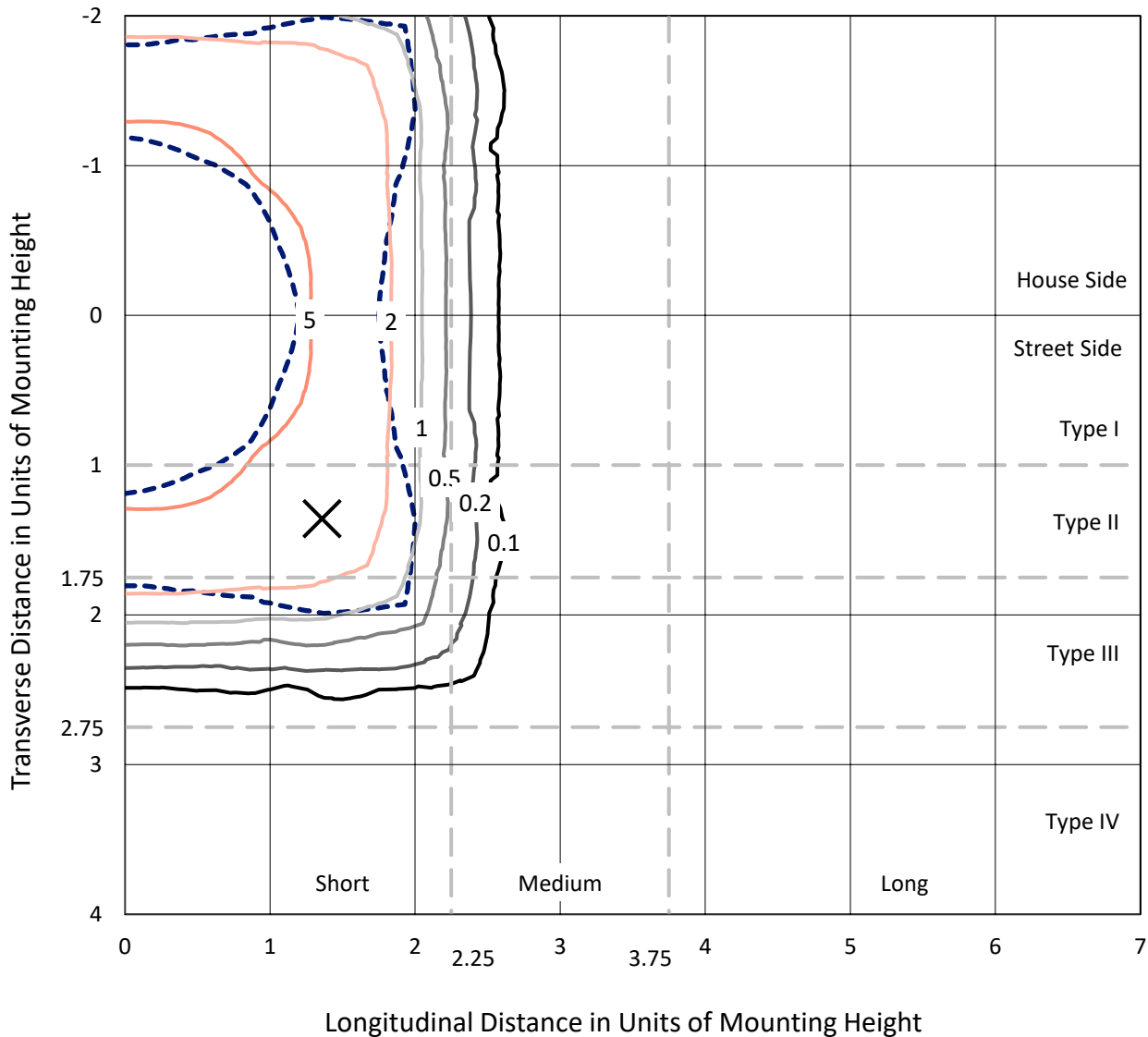
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

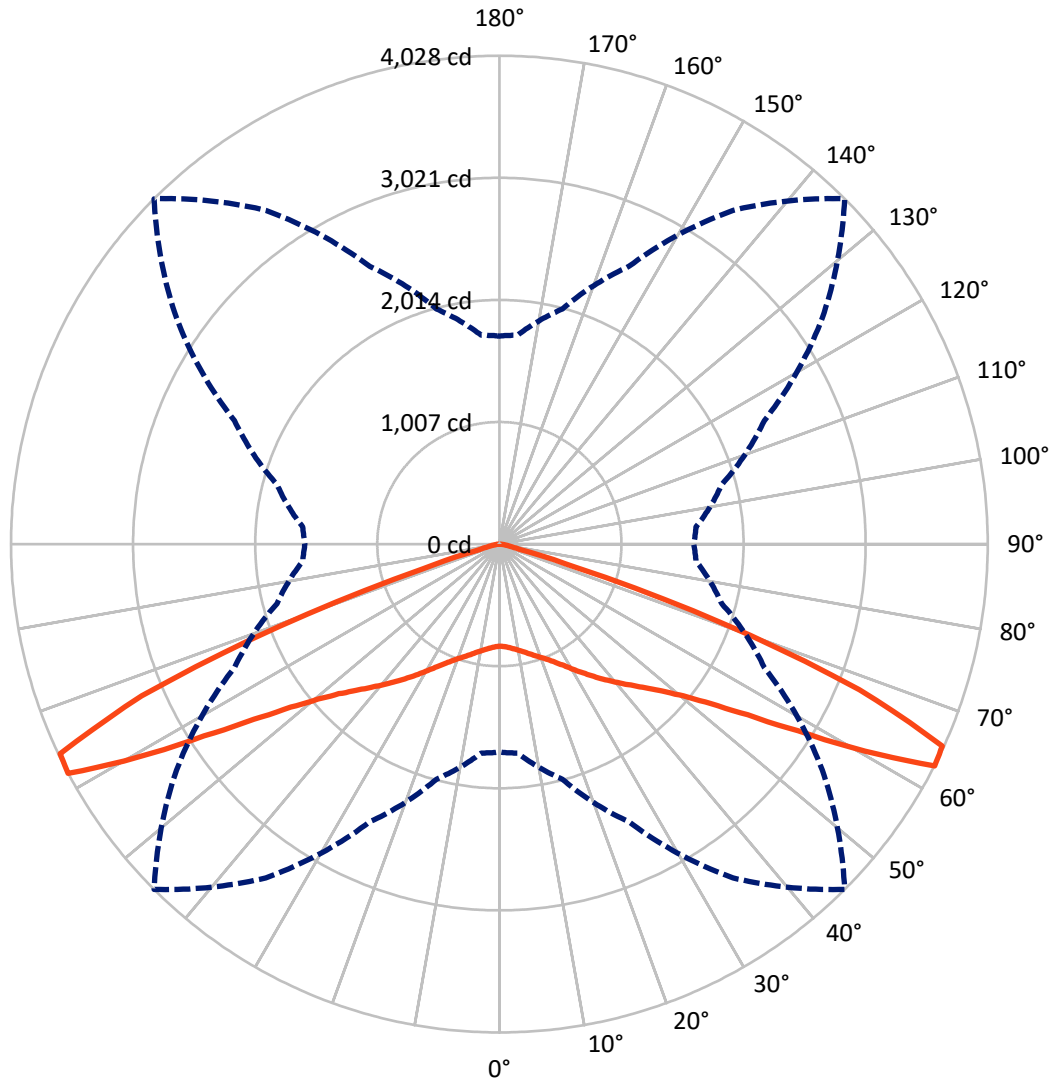
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 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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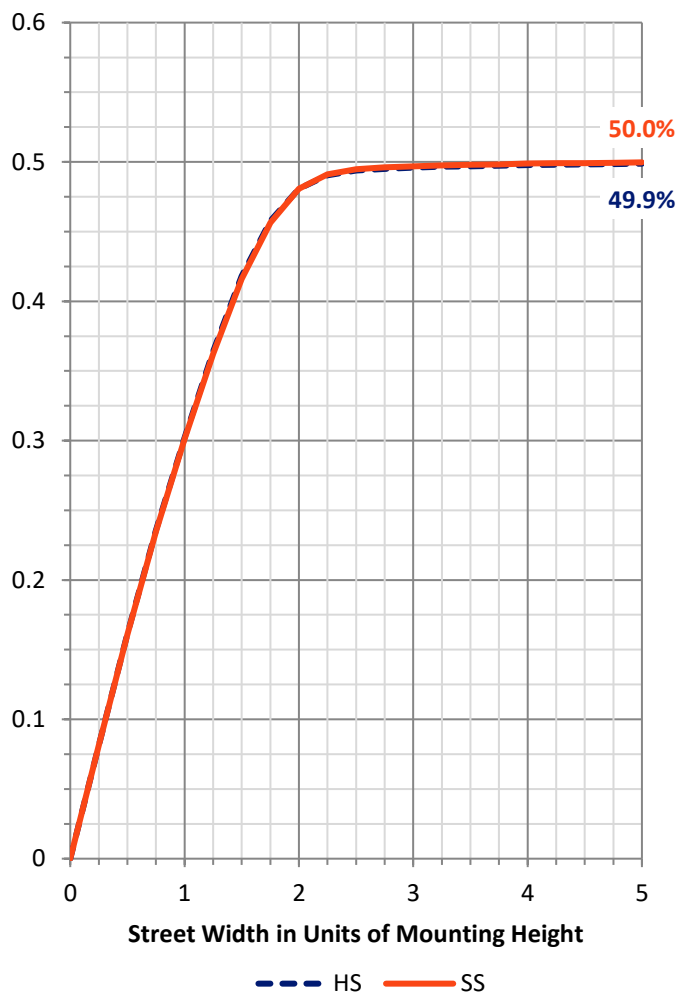
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3606.6	0.0	3606.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3606.6	0.0	3606.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	7213.1	0.0	7213.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.6	1.1
10°-20°	266.3	3.7
20°-30°	503.7	7.0
30°-40°	847.8	11.8
40°-50°	1354.6	18.8
50°-60°	2183.5	30.3
60°-70°	1781.5	24.7
70°-80°	173.0	2.4
80°-90°	20.1	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°	7213.1	100.0
0°-180°	7213.1	100.0

Coefficient of Utilization



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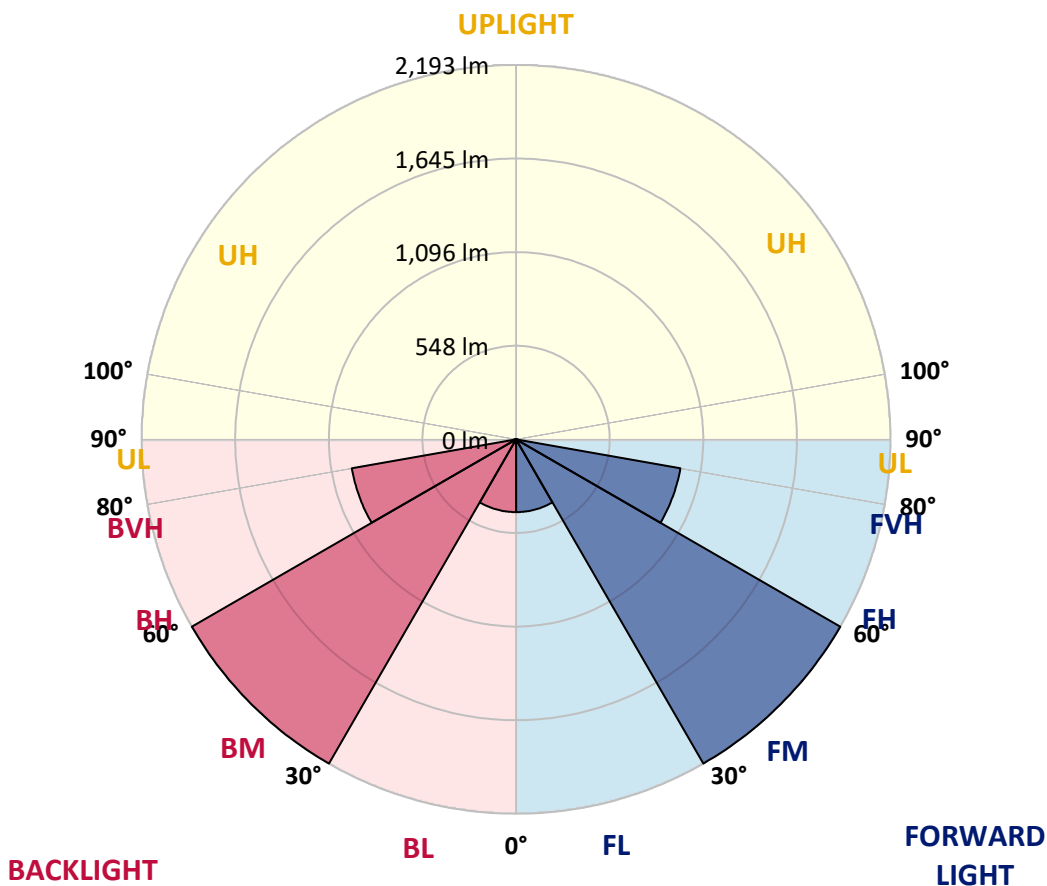
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	426.3	5.9			
FM (30°-60°)	2193.0	30.4			
FH (60°-80°)	977.3	13.5			G1/1800
FVH (80°-90°)	10.1	0.1			G1/100
BL (0°-30°)	426.3	5.9	B1/500		
BM (30°-60°)	2193.0	30.4	B2/2500		
BH (60°-80°)	977.3	13.5	B2/1000		G1/1800
BVH (80°-90°)	10.1	0.1			G1/100
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°	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5
2.5°	840.5	840.5	842.5	844.0	843.0	846.9	846.5	845.5	845.0	843.5	847.9
5°	851.9	851.9	853.4	854.9	852.4	857.3	855.4	854.4	853.9	851.9	855.9
7.5°	864.8	866.2	866.7	869.2	867.7	873.2	871.7	869.7	868.7	866.2	869.7
10°	879.1	880.1	880.6	885.0	885.5	892.0	890.5	888.0	886.0	883.6	888.5
12.5°	898.4	898.9	900.4	905.8	907.3	912.2	911.8	908.3	905.8	902.4	907.8
15°	923.1	923.6	926.1	931.5	934.0	940.0	938.0	932.5	929.1	925.1	929.6
17.5°	948.9	950.8	953.3	958.8	962.2	969.1	966.7	960.7	957.8	953.8	956.8
20°	982.0	982.5	984.0	989.9	992.4	1000.3	1000.8	994.9	993.4	989.4	993.9
22.5°	1018.6	1019.1	1020.6	1027.0	1031.5	1036.4	1039.4	1035.9	1033.5	1028.5	1033.9
25°	1059.2	1064.1	1065.6	1073.5	1078.5	1081.4	1084.9	1083.4	1080.0	1074.0	1076.5
27.5°	1116.1	1117.1	1119.5	1128.4	1131.4	1134.4	1137.8	1138.3	1133.4	1126.5	1129.9
30°	1180.9	1180.4	1185.8	1192.8	1195.2	1197.7	1202.6	1205.6	1199.2	1191.8	1195.2
32.5°	1247.2	1253.1	1260.0	1266.5	1265.0	1266.0	1273.9	1279.3	1270.4	1257.1	1260.0
35°	1321.9	1325.8	1334.7	1344.1	1342.2	1340.7	1345.6	1351.1	1338.7	1321.4	1325.8
37.5°	1398.6	1404.5	1417.8	1429.2	1426.3	1419.3	1424.8	1430.7	1418.8	1399.0	1397.1
40°	1484.1	1493.5	1512.8	1522.2	1514.3	1501.0	1510.4	1524.7	1512.8	1490.1	1484.6
42.5°	1584.6	1595.9	1615.2	1629.6	1612.3	1590.5	1606.3	1627.1	1624.1	1594.0	1584.6
45°	1708.7	1716.2	1739.9	1746.8	1721.1	1690.9	1719.6	1751.3	1743.9	1711.2	1698.8
47.5°	1843.8	1855.2	1875.9	1888.8	1847.3	1809.7	1849.7	1892.3	1884.4	1853.7	1839.3
50°	2016.0	2030.8	2058.0	2068.9	2011.5	1968.5	2019.9	2073.8	2058.5	2017.4	1998.6
52.5°	2203.4	2215.3	2261.8	2283.6	2229.7	2183.2	2228.2	2281.1	2248.5	2194.0	2168.8
55°	2368.7	2380.6	2448.8	2521.1	2518.6	2486.4	2509.2	2510.2	2421.6	2331.6	2304.9
57.5°	2404.3	2416.2	2546.3	2735.3	2868.8	2905.9	2839.2	2698.7	2475.5	2317.7	2287.5
60°	2214.3	2227.7	2434.5	2779.8	3219.1	3466.9	3159.2	2694.7	2308.8	2095.1	2066.4
62.5°	1715.7	1730.0	2008.0	2526.5	3360.6	4028.4	3252.2	2411.2	1899.2	1628.6	1603.4
65°	819.2	819.2	1172.5	1812.1	3078.6	4015.1	2983.1	1783.9	1143.3	878.1	856.3
67.5°	202.8	203.8	301.8	705.5	2094.1	3204.3	2128.3	856.3	402.7	285.0	277.5
70°	126.6	126.2	140.0	191.0	732.7	1944.7	870.2	258.2	163.7	144.5	143.5
72.5°	98.4	98.4	105.4	122.2	191.9	662.4	253.8	143.5	118.7	106.9	106.9
75°	77.7	77.7	82.6	91.5	113.3	170.7	135.1	106.4	92.0	84.1	83.1
77.5°	57.9	58.9	62.8	68.8	77.2	96.0	85.6	80.1	71.7	65.8	63.8
80°	37.6	39.1	44.0	47.5	50.5	63.3	55.9	58.4	54.4	47.5	46.5
82.5°	20.3	20.8	26.7	27.7	28.7	34.6	35.6	37.1	38.6	30.2	28.2
85°	7.4	7.4	8.9	10.4	11.4	12.4	16.8	20.8	21.8	17.3	16.8
87.5°	1.5	1.5	1.5	1.0	1.0	1.0	3.0	5.4	8.9	6.9	6.9
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)