

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: P632019

Luminaire Tested: GWS-SA2B-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-830-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4800.2 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

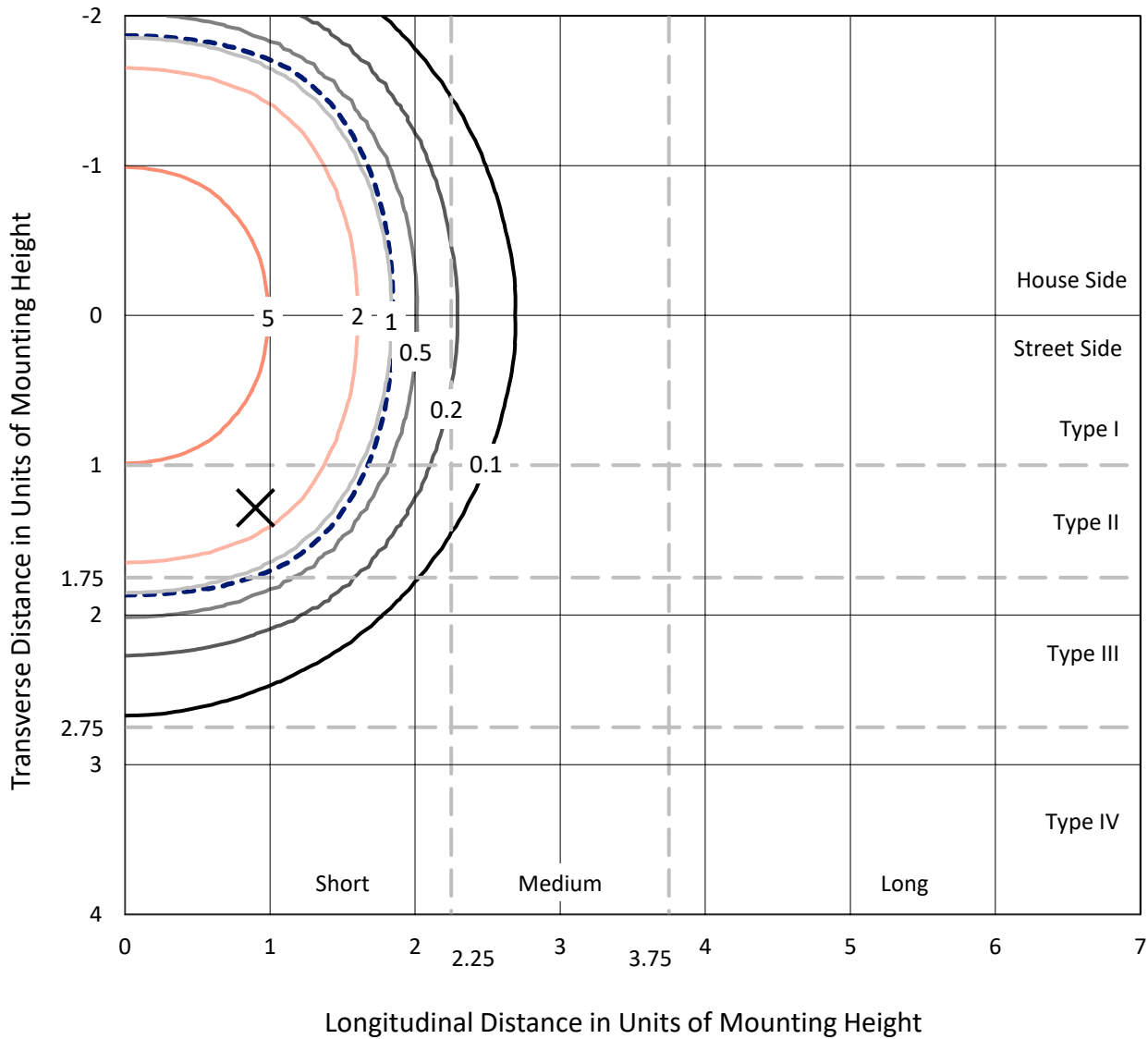
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

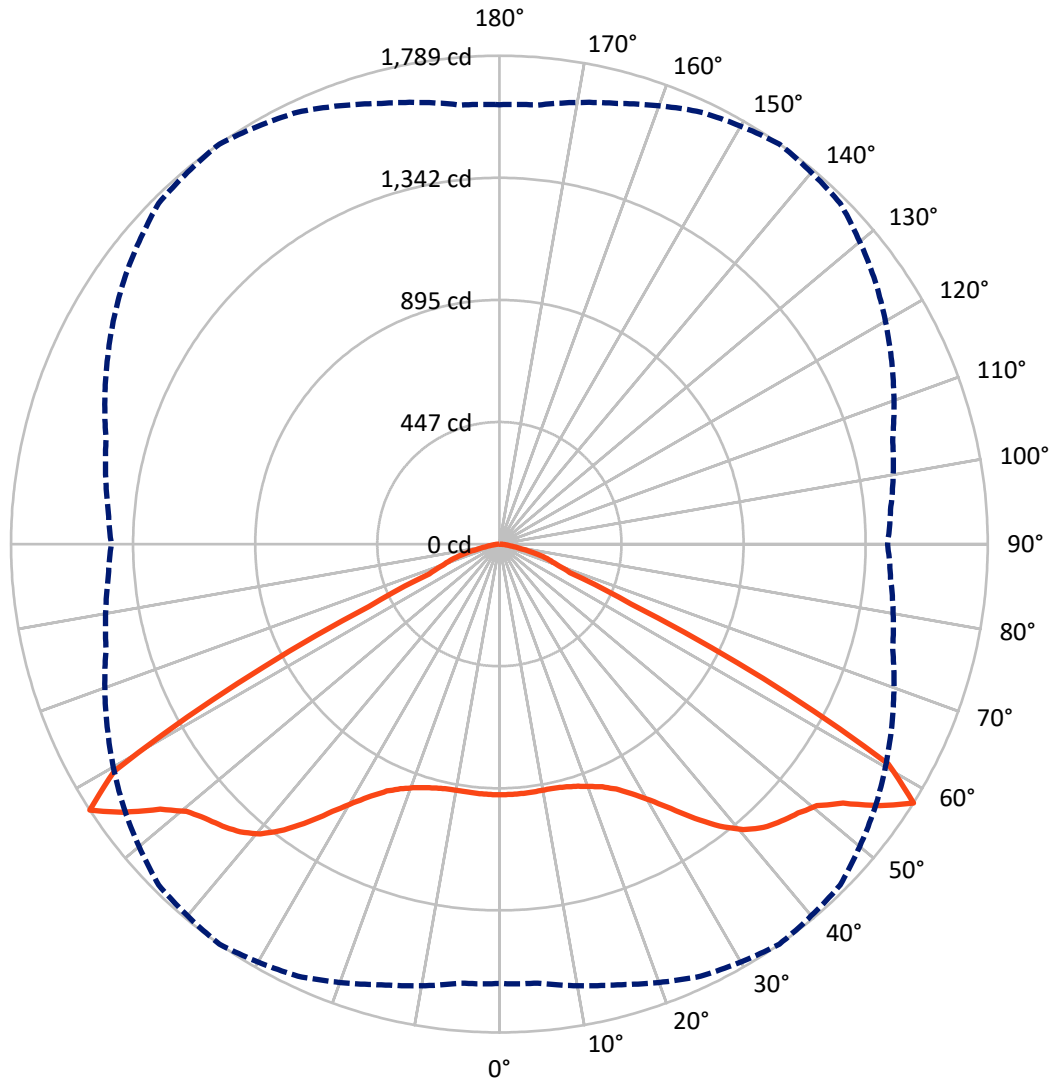
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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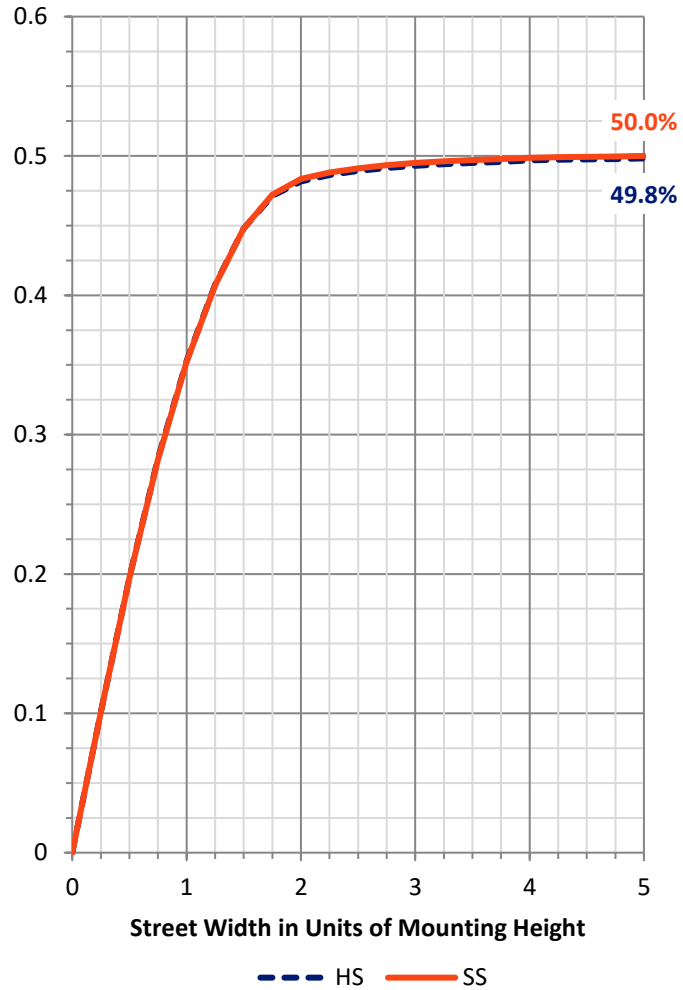
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2400.1	0.0	2400.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2400.1	0.0	2400.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4800.2	0.0	4800.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	1.8
10°-20°	260.7	5.4
20°-30°	454.8	9.5
30°-40°	745.9	15.5
40°-50°	1098.5	22.9
50°-60°	1401.8	29.2
60°-70°	590.8	12.3
70°-80°	141.1	2.9
80°-90°	19.2	0.4
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°	4800.2	100.0
0°-180°	4800.2	100.0

Coefficient of Utilization



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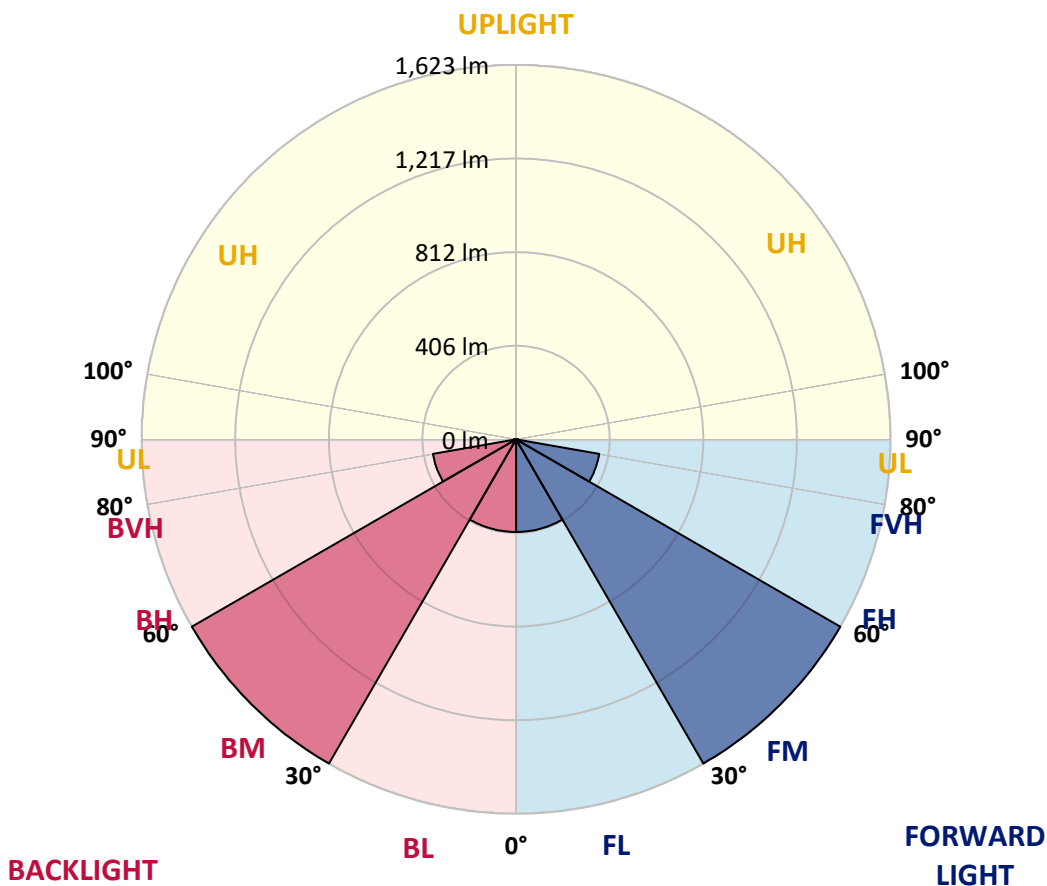
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	401.5	8.4			
FM (30°-60°)	1623.1	33.8			
FH (60°-80°)	366.0	7.6			G0/660
FVH (80°-90°)	9.6	0.2			G0/10
BL (0°-30°)	401.5	8.4	B1/500		
BM (30°-60°)	1623.1	33.8	B2/2500		
BH (60°-80°)	366.0	7.6	B1/500		G0/660
BVH (80°-90°)	9.6	0.2			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°	918.5	918.5	918.5	918.5	918.5	918.5	918.5	918.5	918.5	918.5	918.5
2.5°	913.0	913.0	914.9	916.9	917.7	921.2	920.8	919.6	918.9	916.5	919.6
5°	914.9	914.9	916.5	917.7	917.3	920.0	918.9	916.9	915.7	913.4	916.9
7.5°	914.5	914.5	915.7	916.9	916.1	918.5	916.5	913.7	911.8	909.4	912.6
10°	909.4	910.2	911.4	914.1	915.3	918.9	916.1	911.8	908.6	905.9	909.0
12.5°	908.6	909.4	911.0	914.5	916.5	921.6	918.1	911.0	906.3	902.7	905.9
15°	912.2	913.0	915.3	919.6	922.8	928.3	923.2	913.4	906.7	902.0	904.7
17.5°	916.5	917.7	921.2	927.5	932.6	938.5	932.2	920.4	911.0	904.7	907.1
20°	921.2	922.8	928.3	937.7	947.2	954.6	946.8	931.0	919.6	911.4	913.7
22.5°	929.5	931.4	938.5	951.9	966.0	977.0	967.2	946.0	931.0	920.4	922.4
25°	946.4	948.7	957.8	973.9	993.9	1007.3	993.5	969.6	948.7	935.8	937.7
27.5°	976.2	977.4	989.2	1010.4	1035.2	1050.5	1034.0	1005.7	982.5	967.6	969.2
30°	1015.5	1019.1	1030.9	1058.8	1088.2	1108.7	1087.1	1053.7	1026.9	1008.9	1010.4
32.5°	1063.5	1065.8	1083.5	1112.6	1155.1	1178.6	1149.2	1109.5	1077.2	1055.2	1056.8
35°	1126.4	1128.3	1145.2	1182.2	1233.7	1255.7	1221.9	1176.3	1138.9	1118.1	1124.0
37.5°	1201.4	1205.0	1217.2	1253.7	1311.1	1332.7	1293.8	1251.3	1212.4	1193.2	1197.5
40°	1282.0	1281.6	1291.4	1323.7	1375.9	1389.3	1354.3	1320.5	1287.1	1274.5	1281.6
42.5°	1351.2	1349.2	1356.3	1383.0	1419.2	1420.3	1397.1	1378.3	1354.7	1346.1	1352.7
45°	1399.5	1400.3	1410.9	1429.4	1447.8	1438.0	1430.9	1427.8	1409.3	1397.5	1398.7
47.5°	1437.6	1440.8	1457.7	1470.2	1472.6	1456.1	1465.9	1470.6	1455.3	1437.2	1432.1
50°	1471.4	1476.5	1498.5	1511.9	1506.8	1486.0	1505.2	1512.3	1478.5	1443.9	1433.7
52.5°	1532.7	1538.6	1565.4	1582.6	1576.8	1555.9	1574.0	1548.9	1491.9	1449.4	1436.4
55°	1630.6	1633.3	1666.0	1694.3	1691.5	1666.0	1651.4	1595.6	1526.4	1482.4	1470.2
57.5°	1609.8	1614.5	1671.1	1746.5	1789.0	1765.8	1680.5	1585.4	1491.5	1438.4	1421.9
60°	1266.7	1278.1	1348.4	1481.3	1636.9	1636.5	1478.1	1330.3	1217.2	1146.8	1139.7
62.5°	739.6	747.5	811.6	946.0	1085.5	1094.1	982.9	881.5	782.5	734.9	712.1
65°	350.2	349.8	375.3	435.8	530.2	537.6	504.2	448.8	390.3	374.1	369.8
67.5°	258.6	258.6	256.6	261.0	279.0	283.0	279.0	270.0	264.5	268.0	265.7
70°	224.4	224.8	222.4	221.3	221.3	220.1	221.7	225.2	227.6	232.3	229.9
72.5°	182.0	182.4	182.4	182.7	183.1	181.6	183.9	185.9	186.3	187.9	186.3
75°	129.3	130.1	132.4	134.4	136.0	136.0	136.8	137.2	135.6	137.6	134.4
77.5°	71.1	71.9	76.2	79.8	83.3	83.7	84.9	85.7	84.9	86.5	84.1
80°	39.3	40.1	42.1	43.6	46.4	48.7	50.3	51.1	51.1	52.3	51.1
82.5°	22.4	23.2	24.4	25.2	27.5	29.5	31.0	32.2	32.2	32.6	31.8
85°	10.6	10.6	11.4	12.2	13.4	14.1	16.1	17.3	17.3	18.1	17.3
87.5°	1.6	2.0	2.4	2.4	3.1	3.9	4.7	5.1	5.9	6.3	6.3
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)