

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: P631859

Luminaire Tested: GWS-SA2B-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-750-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3715 lumens
Efficiency: N/A
Efficacy: 80.1 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

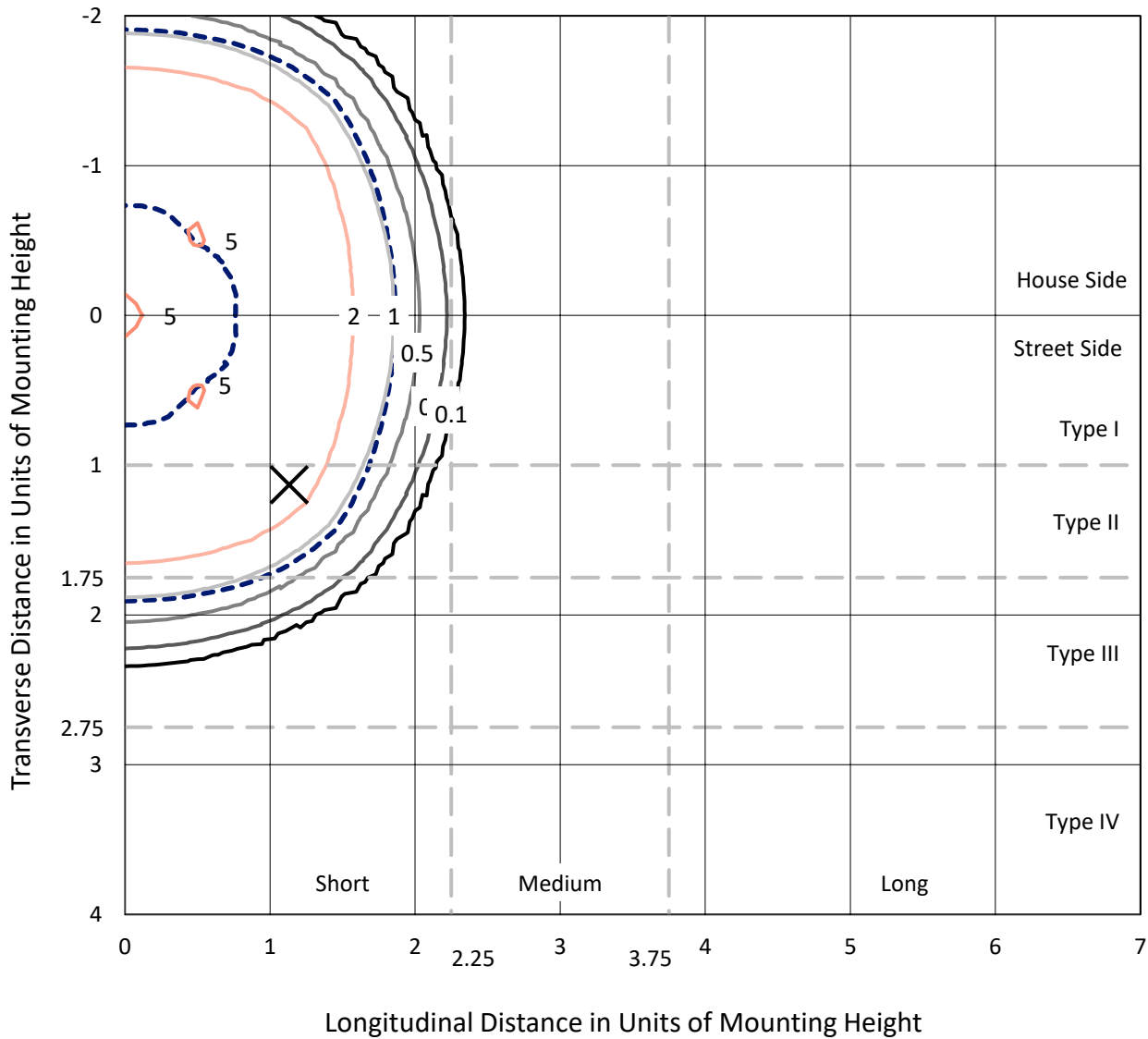


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Iso-Footcandle Lines of Horizontal Illumination

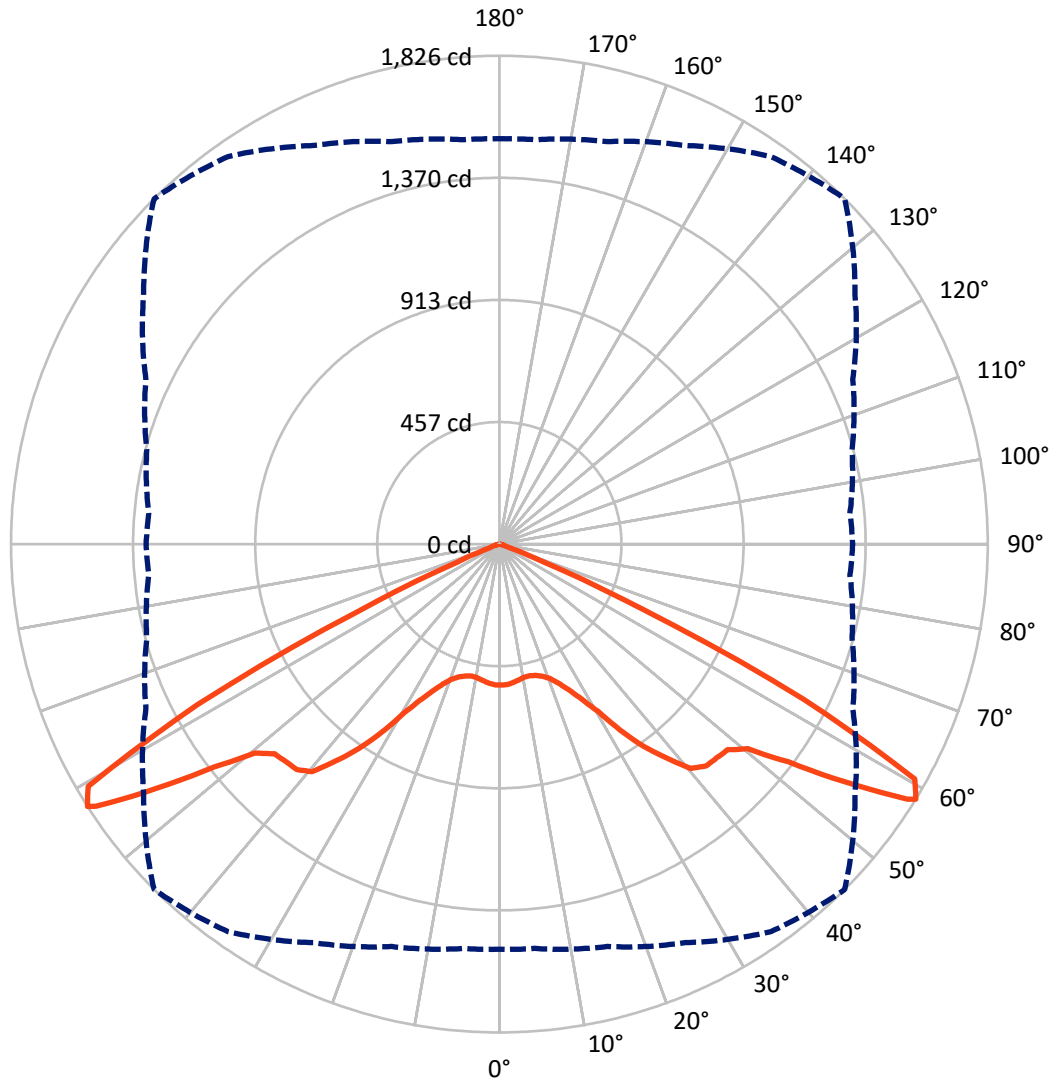
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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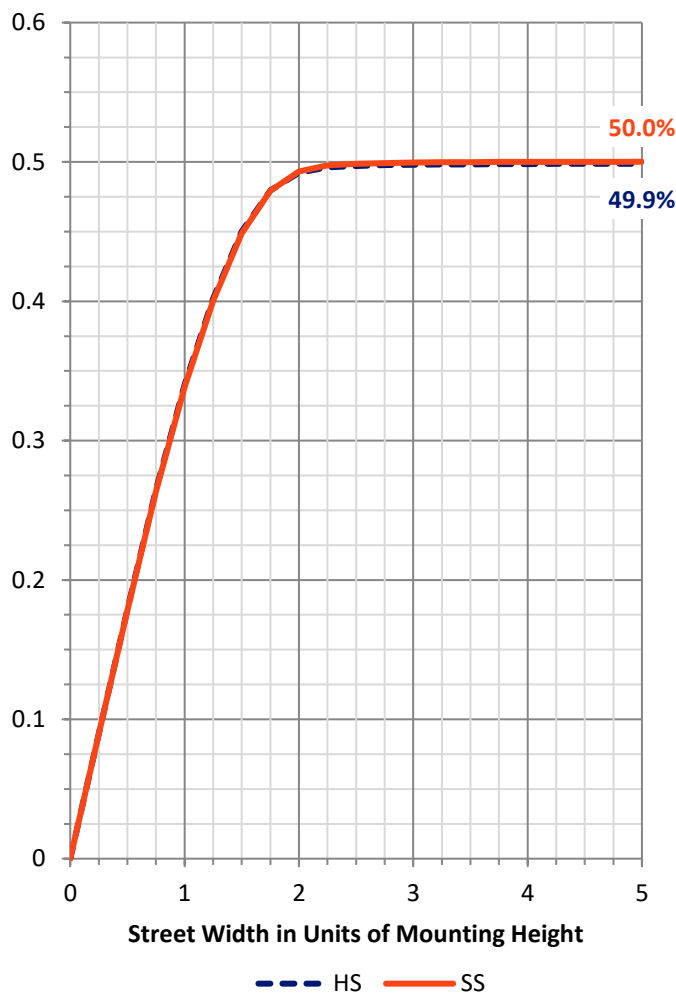
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1857.5	0.0	1857.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1857.5	0.0	1857.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3715.0	0.0	3715.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	1.3
10°-20°	145.4	3.9
20°-30°	275.1	7.4
30°-40°	542.5	14.6
40°-50°	858.5	23.1
50°-60°	1262.0	34.0
60°-70°	563.3	15.2
70°-80°	18.9	0.5
80°-90°	0.2	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°	3715.0	100.0
0°-180°	3715.0	100.0

Coefficient of Utilization



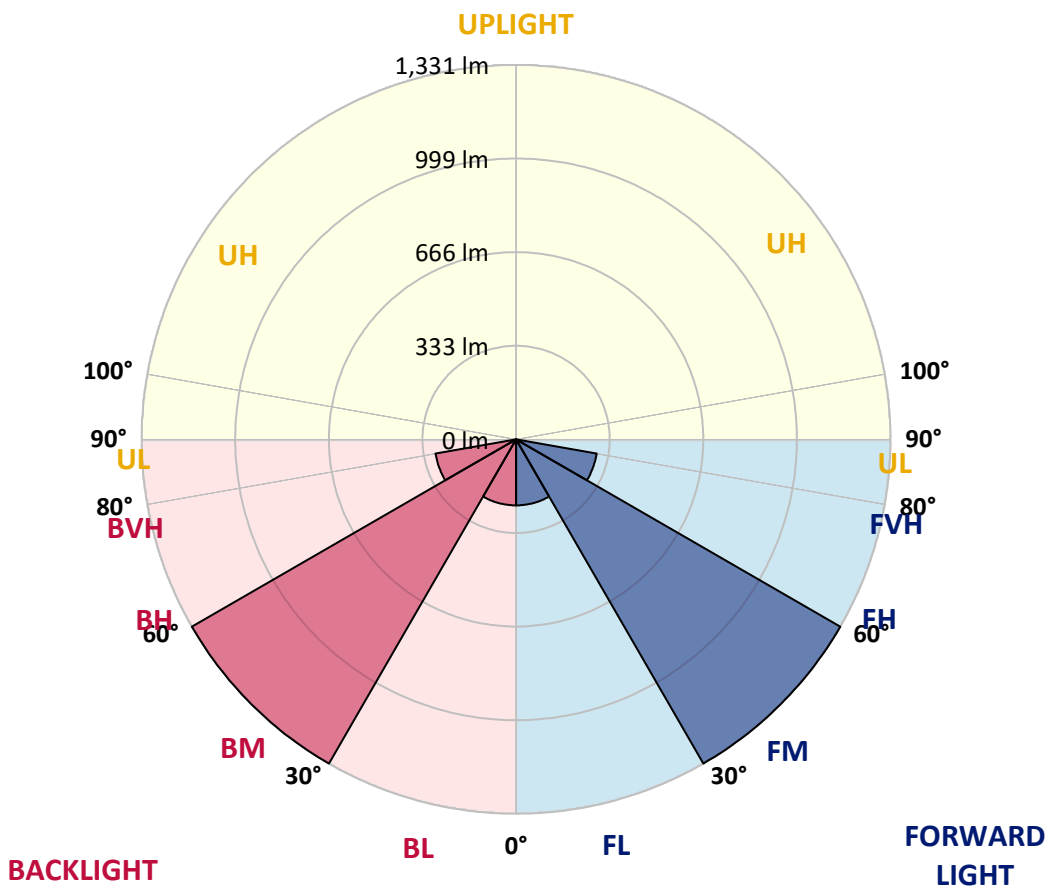
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	234.8	6.3			
FM (30°-60°)	1331.5	35.8			
FH (60°-80°)	291.1	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	234.8	6.3	B1/500		
BM (30°-60°)	1331.5	35.8	B2/2500		
BH (60°-80°)	291.1	7.8	B1/500		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°	526.8	526.8	526.8	526.8	526.8	526.8	526.8	526.8	526.8	526.8	526.8
2.5°	521.8	522.8	523.8	524.3	524.8	526.3	526.8	525.3	525.3	522.3	525.8
5°	519.2	520.3	521.3	520.8	520.8	520.8	520.3	518.2	517.7	514.7	518.2
7.5°	514.7	515.7	515.7	514.2	513.2	513.2	512.7	510.1	509.6	506.6	510.1
10°	511.1	511.7	511.1	508.1	506.1	506.1	505.6	504.6	505.1	503.1	506.1
12.5°	513.2	513.7	511.7	507.6	505.1	504.6	503.1	501.5	503.1	502.5	505.6
15°	519.8	520.3	516.7	511.7	509.6	509.6	505.6	501.5	503.6	504.1	507.6
17.5°	527.8	527.8	523.3	518.7	519.2	519.2	512.7	505.6	506.1	508.1	511.7
20°	537.5	537.5	532.9	531.9	535.4	535.9	527.8	516.7	514.2	515.7	519.8
22.5°	554.7	554.7	551.1	553.7	561.8	564.3	552.1	536.5	530.4	531.4	535.4
25°	581.5	581.5	580.5	586.6	598.2	603.8	587.6	566.8	556.7	555.2	559.7
27.5°	626.5	627.0	625.5	634.6	649.3	655.9	633.6	606.3	594.1	591.6	596.2
30°	684.7	684.7	685.2	697.9	717.1	725.7	696.4	664.5	650.3	642.2	648.3
32.5°	749.5	750.5	755.6	776.8	810.8	828.5	785.4	740.9	718.1	709.5	716.1
35°	856.3	846.7	840.6	856.3	905.4	928.7	873.5	821.4	804.2	803.2	819.9
37.5°	962.1	956.5	943.9	960.0	1004.1	1014.7	954.0	910.5	898.3	904.9	921.6
40°	1046.1	1036.0	1019.3	1034.4	1092.1	1102.8	1027.9	984.8	980.3	995.0	1017.7
42.5°	1112.4	1098.2	1075.9	1079.5	1126.0	1133.6	1067.3	1034.9	1038.0	1056.2	1082.0
45°	1142.2	1131.1	1111.4	1109.8	1139.2	1139.7	1087.6	1070.9	1079.0	1093.1	1113.4
47.5°	1154.9	1149.8	1138.7	1136.2	1152.9	1148.8	1116.4	1109.3	1116.9	1121.0	1132.6
50°	1186.3	1186.3	1187.8	1189.8	1207.0	1203.0	1180.2	1172.1	1162.5	1148.3	1151.9
52.5°	1274.3	1277.9	1292.5	1308.7	1340.1	1353.3	1316.3	1269.3	1223.2	1192.3	1192.3
55°	1433.2	1436.8	1454.0	1481.3	1539.0	1570.4	1484.4	1380.6	1317.3	1275.3	1280.9
57.5°	1520.8	1524.8	1560.3	1634.2	1746.0	1799.1	1614.4	1460.6	1372.0	1323.9	1328.0
58°	1515.2	1517.8	1557.7	1644.3	1768.8	1826.0	1623.5	1458.0	1364.9	1315.8	1320.9
60°	1346.2	1342.6	1406.4	1529.9	1705.5	1784.5	1532.9	1331.0	1222.7	1172.6	1175.1
62.5°	880.1	882.1	937.3	1066.3	1203.0	1277.4	1070.9	920.6	833.5	803.2	795.6
65°	367.4	360.8	394.7	466.6	548.6	590.1	507.1	429.2	375.5	355.3	360.8
67.5°	94.6	92.1	94.1	117.9	144.2	170.6	143.2	109.3	95.1	96.2	96.2
70°	53.6	50.6	41.0	38.0	36.9	36.9	36.9	36.9	42.5	50.1	51.6
72.5°	40.5	38.0	29.9	25.8	22.8	21.3	22.3	25.8	30.9	37.5	38.5
75°	20.2	20.2	18.2	17.2	15.2	14.2	14.7	16.2	18.7	21.3	20.7
77.5°	4.0	4.6	5.1	6.1	5.1	5.1	5.1	6.1	6.1	6.6	6.1
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)