

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: P636811

Luminaire Tested: GWS-SA4B-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636811
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-SA4B-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15010.3 lumens
Efficiency: N/A
Efficacy: 159.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

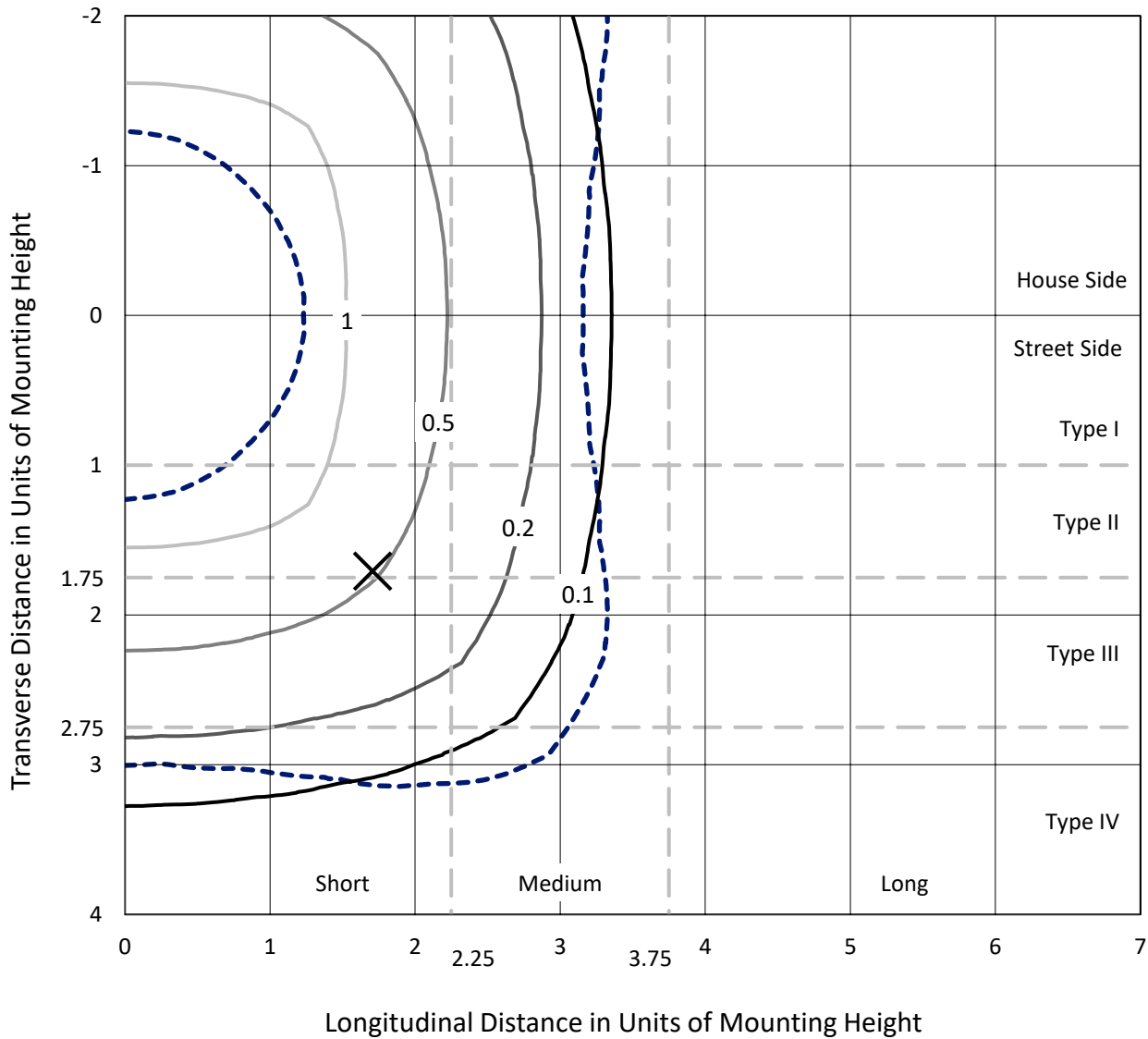
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

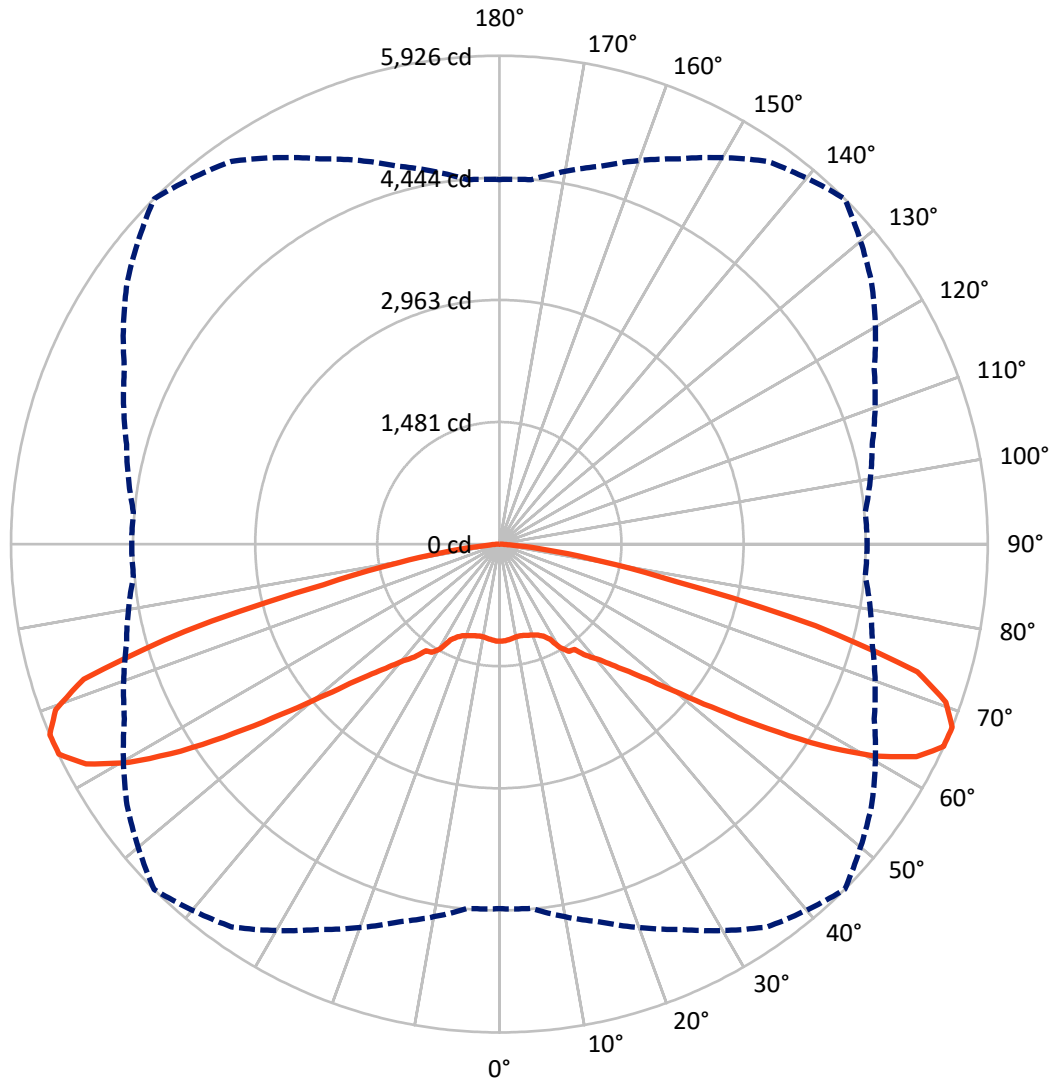
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	7505.2	0.0	7505.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7505.2	0.0	7505.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	15010.3	0.0	15010.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.5	0.7
10°-20°	328.0	2.2
20°-30°	588.4	3.9
30°-40°	993.9	6.6
40°-50°	1746.3	11.6
50°-60°	3368.6	22.4
60°-70°	4887.4	32.6
70°-80°	2796.4	18.6
80°-90°	190.9	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°	15010.3	100.0
0°-180°	15010.3	100.0

Coefficient of Utilization



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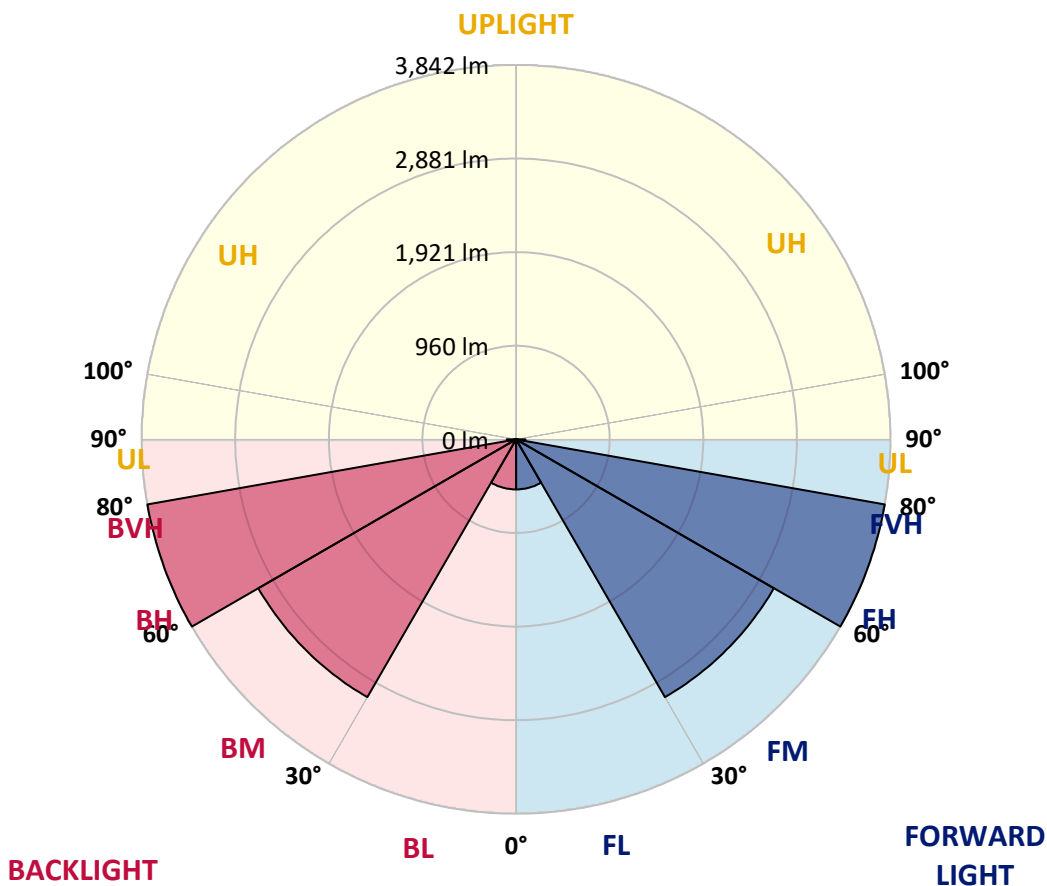
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	513.4	3.4			
FM (30°-60°)	3054.4	20.3			
FH (60°-80°)	3841.9	25.6			G2/5000
FVH (80°-90°)	95.4	0.6			G1/100
BL (0°-30°)	513.4	3.4	B2/1000		
BM (30°-60°)	3054.4	20.3	B3/5000		
BH (60°-80°)	3841.9	25.6	B4/5000		G2/5000
BVH (80°-90°)	95.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1167.6	1168.6	1170.7	1170.7	1172.9	1176.1	1177.1	1175.0	1176.1	1170.7	1176.1
5°	1164.4	1165.4	1166.5	1164.4	1164.4	1165.4	1165.4	1163.3	1164.4	1159.1	1164.4
7.5°	1156.9	1158.0	1158.0	1154.8	1151.6	1153.8	1153.8	1151.6	1152.7	1147.4	1153.8
10°	1150.6	1150.6	1149.5	1143.1	1140.0	1143.1	1144.2	1145.3	1149.5	1145.3	1152.7
12.5°	1154.8	1154.8	1151.6	1143.1	1137.8	1140.0	1142.1	1144.2	1151.6	1150.6	1159.1
15°	1166.5	1167.6	1159.1	1149.5	1146.3	1149.5	1147.4	1146.3	1155.9	1159.1	1168.6
17.5°	1176.1	1176.1	1165.4	1155.9	1156.9	1162.3	1158.0	1152.7	1162.3	1168.6	1179.2
20°	1184.5	1183.5	1171.8	1165.4	1169.7	1177.1	1173.9	1166.5	1172.9	1180.3	1189.9
22.5°	1205.8	1204.7	1192.0	1188.8	1193.0	1200.5	1197.3	1190.9	1198.3	1209.0	1220.6
25°	1266.3	1264.2	1245.0	1234.4	1232.3	1237.6	1236.6	1234.4	1246.1	1258.8	1272.6
27.5°	1346.9	1345.9	1332.1	1321.5	1307.7	1303.4	1306.6	1316.2	1333.1	1342.7	1354.4
30°	1387.3	1387.3	1385.2	1402.1	1431.9	1460.5	1438.2	1402.1	1387.3	1383.0	1394.7
32.5°	1440.3	1445.7	1438.2	1457.3	1507.2	1549.7	1507.2	1448.8	1438.2	1438.2	1451.0
35°	1562.4	1564.5	1552.9	1549.7	1565.6	1570.9	1550.7	1529.5	1541.2	1543.3	1559.2
37.5°	1660.1	1660.1	1654.8	1663.2	1696.1	1716.3	1683.4	1645.2	1648.4	1650.5	1670.7
40°	1810.8	1815.0	1802.3	1801.2	1814.0	1832.0	1797.0	1772.6	1789.6	1794.9	1825.6
42.5°	1998.7	1998.7	1979.5	1974.2	1982.7	2001.8	1968.9	1953.0	1975.3	1979.5	1997.6
45°	2222.6	2227.9	2202.4	2192.9	2197.1	2203.5	2180.2	2172.7	2194.0	2203.5	2235.3
47.5°	2495.4	2500.7	2478.4	2477.4	2473.1	2477.4	2455.1	2450.8	2467.8	2460.4	2494.3
50°	2831.9	2841.4	2822.3	2848.8	2845.7	2858.4	2827.6	2805.3	2805.3	2785.2	2804.3
52.5°	3208.7	3227.8	3237.3	3281.9	3315.9	3347.7	3296.8	3261.7	3210.8	3169.4	3221.4
55°	3619.4	3614.1	3674.6	3772.3	3872.1	3947.4	3847.6	3737.3	3654.5	3568.5	3588.7
57.5°	3979.3	3997.3	4076.9	4255.2	4452.7	4611.9	4432.5	4220.2	4032.3	3909.2	3926.2
60°	4278.6	4293.4	4399.6	4656.4	5001.4	5221.1	4936.7	4586.4	4313.6	4143.8	4161.8
62.5°	4554.5	4568.3	4675.6	4959.0	5394.1	5680.7	5313.5	4834.8	4531.2	4360.3	4370.9
65°	4713.8	4722.3	4868.7	5167.0	5625.5	5921.7	5507.7	5014.1	4715.9	4541.8	4548.2
67.5°	4424.0	4437.8	4746.7	5158.5	5670.1	5925.9	5516.2	5019.5	4684.0	4456.9	4462.2
70°	3489.9	3478.3	3846.6	4554.5	5414.3	5747.6	5271.0	4642.6	4124.7	3807.3	3802.0
72.5°	2661.0	2664.2	2869.0	3354.1	4414.4	5303.9	4651.1	3738.3	3180.0	2939.1	2929.5
75°	1929.7	1959.4	2126.0	2481.6	3087.7	3964.4	3501.6	2770.3	2396.7	2252.3	2231.1
77.5°	869.3	907.5	1140.0	1558.2	2064.5	2190.8	2199.3	1880.8	1419.1	1179.2	1142.1
80°	253.7	271.7	349.2	597.6	961.6	1242.9	987.1	830.0	516.9	405.5	386.4
82.5°	107.2	122.1	149.7	165.6	279.2	576.4	358.8	228.2	212.3	171.9	157.1
85°	45.6	48.8	62.6	66.9	90.2	123.1	113.6	103.0	98.7	76.4	70.1
87.5°	19.1	19.1	19.1	17.0	15.9	17.0	23.4	29.7	39.3	30.8	28.7
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)