

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: P633346

Luminaire Tested: GWS-SA2E-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633346
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-SA2E-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15131.4 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

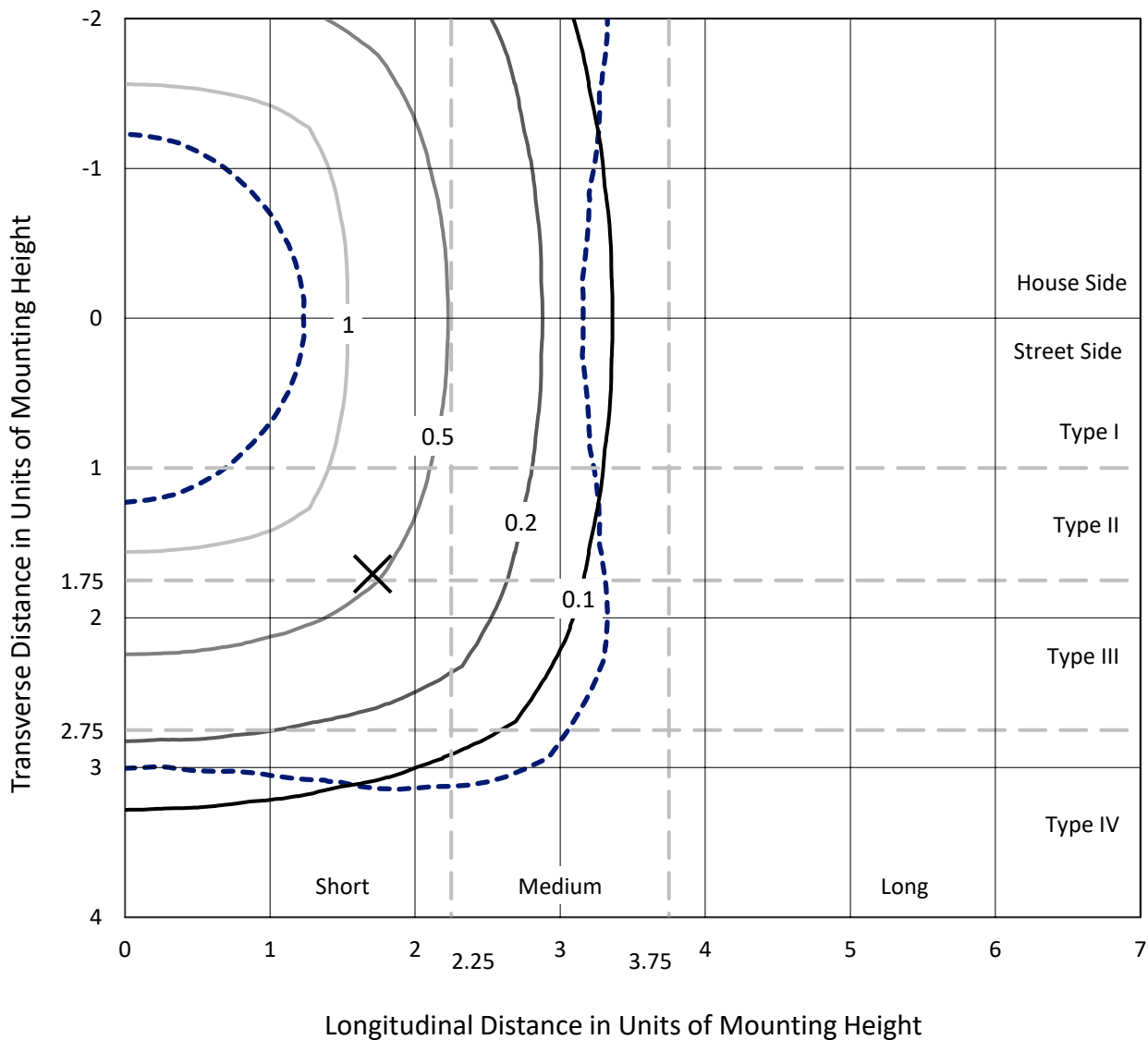
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

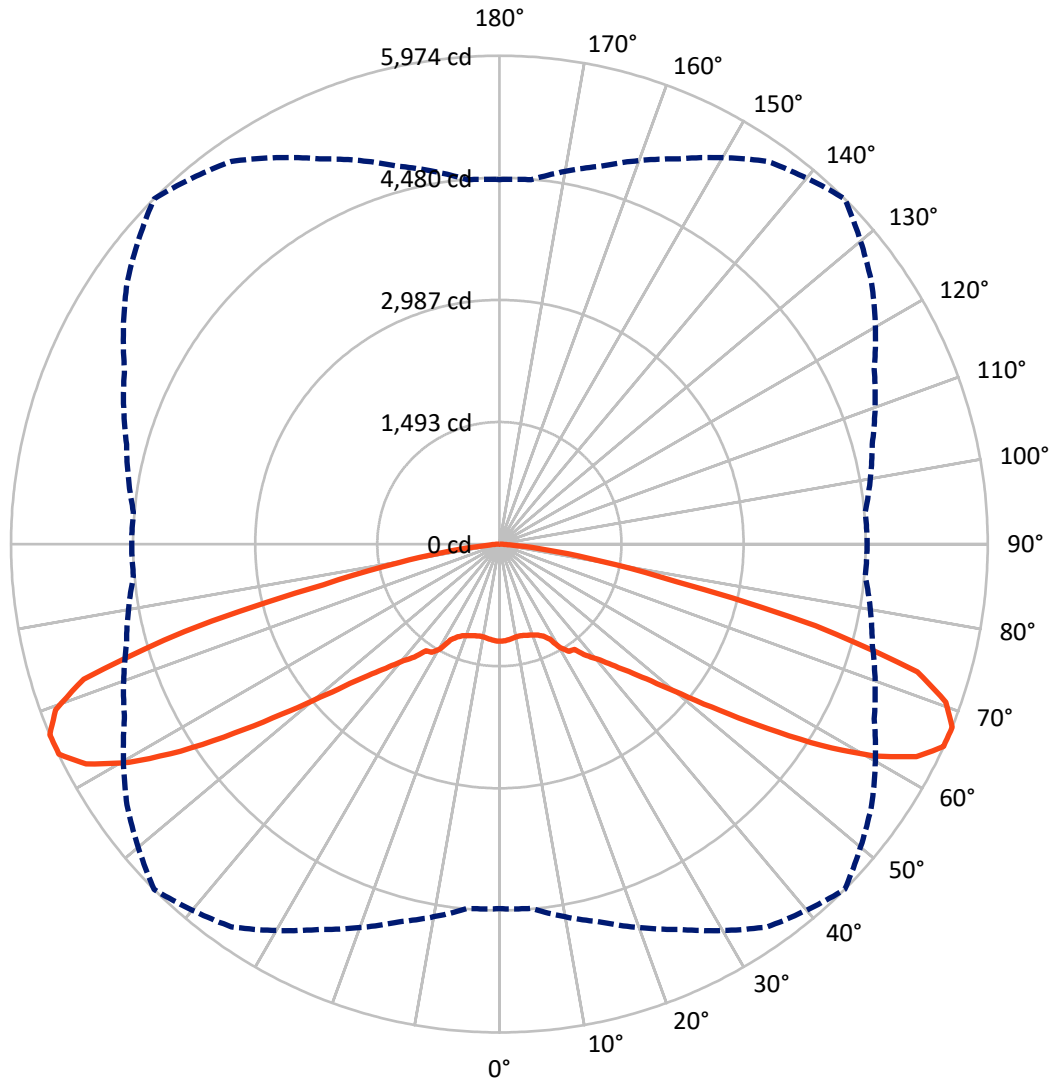
✕ Max cd
 - - - 1/2 Max cd



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	7565.7	0.0	7565.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7565.7	0.0	7565.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	15131.4	0.0	15131.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.4	0.7
10°-20°	330.6	2.2
20°-30°	593.1	3.9
30°-40°	1001.9	6.6
40°-50°	1760.4	11.6
50°-60°	3395.8	22.4
60°-70°	4926.9	32.6
70°-80°	2818.9	18.6
80°-90°	192.4	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°	15131.4	100.0
0°-180°	15131.4	100.0

Coefficient of Utilization



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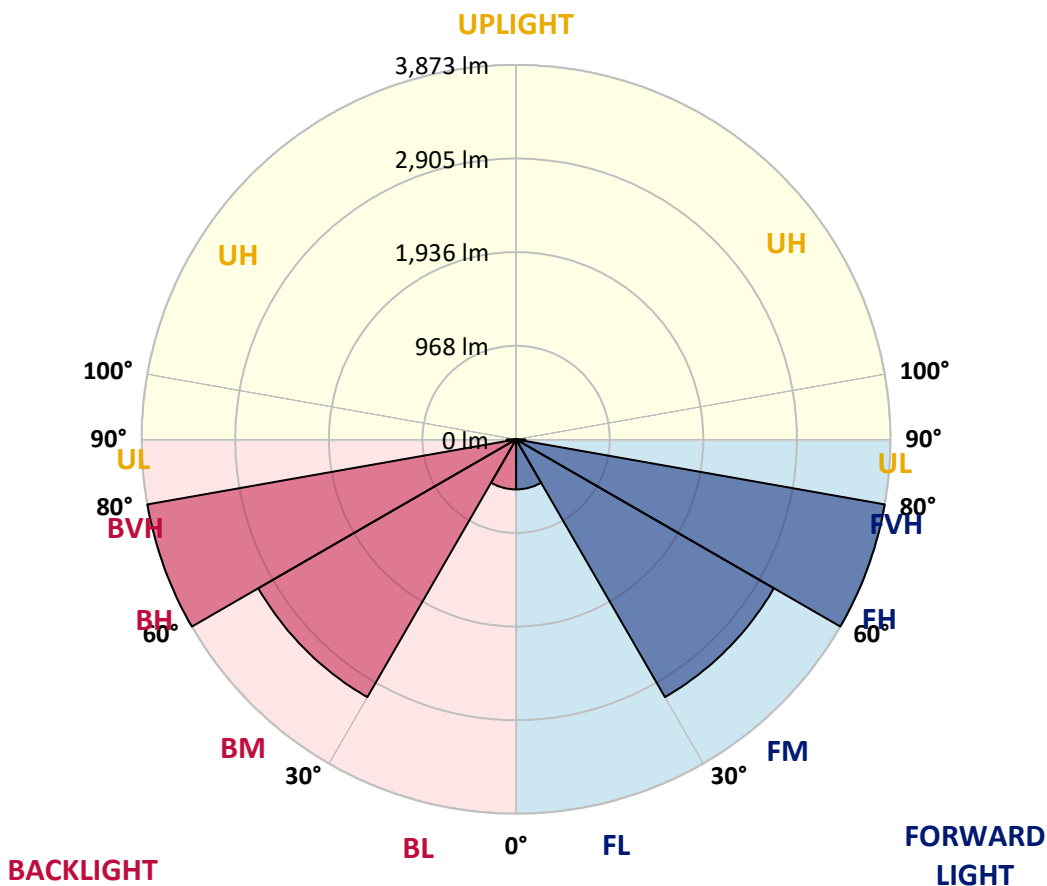
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	517.6	3.4			
FM (30°-60°)	3079.0	20.3			
FH (60°-80°)	3872.9	25.6			G2/5000
FVH (80°-90°)	96.2	0.6			G1/100
BL (0°-30°)	517.6	3.4	B2/1000		
BM (30°-60°)	3079.0	20.3	B3/5000		
BH (60°-80°)	3872.9	25.6	B4/5000		G2/5000
BVH (80°-90°)	96.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		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°	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6	1186.6
2.5°	1177.0	1178.1	1180.2	1180.2	1182.3	1185.5	1186.6	1184.5	1185.5	1180.2	1185.5
5°	1173.8	1174.8	1175.9	1173.8	1173.8	1174.8	1174.8	1172.7	1173.8	1168.4	1173.8
7.5°	1166.3	1167.4	1167.4	1164.1	1160.9	1163.1	1163.1	1160.9	1162.0	1156.7	1163.1
10°	1159.9	1159.9	1158.8	1152.4	1149.2	1152.4	1153.4	1154.5	1158.8	1154.5	1162.0
12.5°	1164.1	1164.1	1160.9	1152.4	1147.0	1149.2	1151.3	1153.4	1160.9	1159.9	1168.4
15°	1175.9	1177.0	1168.4	1158.8	1155.6	1158.8	1156.7	1155.6	1165.2	1168.4	1178.1
17.5°	1185.5	1185.5	1174.8	1165.2	1166.3	1171.6	1167.4	1162.0	1171.6	1178.1	1188.8
20°	1194.1	1193.0	1181.3	1174.8	1179.1	1186.6	1183.4	1175.9	1182.3	1189.8	1199.5
22.5°	1215.5	1214.4	1201.6	1198.4	1202.7	1210.2	1206.9	1200.5	1208.0	1218.7	1230.5
25°	1276.5	1274.3	1255.1	1244.4	1242.2	1247.6	1246.5	1244.4	1256.2	1269.0	1282.9
27.5°	1357.8	1356.7	1342.8	1332.1	1318.2	1313.9	1317.1	1326.8	1343.9	1353.5	1365.3
30°	1398.5	1398.5	1396.3	1413.4	1443.4	1472.3	1449.8	1413.4	1398.5	1394.2	1406.0
32.5°	1452.0	1457.3	1449.8	1469.1	1519.4	1562.2	1519.4	1460.5	1449.8	1449.8	1462.7
35°	1575.0	1577.2	1565.4	1562.2	1578.2	1583.6	1563.2	1541.8	1553.6	1555.8	1571.8
37.5°	1673.5	1673.5	1668.1	1676.7	1709.8	1730.2	1697.0	1658.5	1661.7	1663.8	1684.2
40°	1825.4	1829.7	1816.8	1815.8	1828.6	1846.8	1811.5	1786.9	1804.0	1809.3	1840.4
42.5°	2014.8	2014.8	1995.5	1990.2	1998.7	2018.0	1984.8	1968.8	1991.2	1995.5	2013.7
45°	2240.5	2245.9	2220.2	2210.6	2214.9	2221.3	2197.7	2190.3	2211.7	2221.3	2253.4
47.5°	2515.5	2520.9	2498.4	2497.3	2493.1	2497.3	2474.9	2470.6	2487.7	2480.2	2514.5
50°	2854.7	2864.3	2845.1	2871.8	2868.6	2881.5	2850.4	2828.0	2828.0	2807.6	2826.9
52.5°	3234.6	3253.8	3263.4	3308.4	3342.6	3374.7	3323.4	3288.1	3236.7	3195.0	3247.4
55°	3648.6	3643.3	3704.3	3802.7	3903.3	3979.3	3878.7	3767.4	3683.9	3597.3	3617.6
57.5°	4011.4	4029.6	4109.8	4289.6	4488.6	4649.1	4468.2	4254.3	4064.9	3940.7	3957.9
60°	4313.1	4328.1	4435.1	4694.0	5041.8	5263.2	4976.5	4623.4	4348.4	4177.2	4195.4
62.5°	4591.3	4605.2	4713.3	4999.0	5437.7	5726.5	5356.3	4873.8	4567.8	4395.5	4406.2
65°	4751.8	4760.4	4908.0	5208.7	5670.9	5969.4	5552.1	5054.6	4753.9	4578.5	4584.9
67.5°	4459.7	4473.6	4785.0	5200.1	5715.8	5973.7	5560.7	5059.9	4721.8	4492.9	4498.2
70°	3518.1	3506.3	3877.6	4591.3	5458.0	5794.0	5313.5	4680.1	4158.0	3838.0	3832.7
72.5°	2682.4	2685.7	2892.2	3381.1	4450.1	5346.7	4688.7	3768.5	3205.7	2962.8	2953.2
75°	1945.2	1975.2	2143.2	2501.6	3112.6	3996.4	3529.9	2792.7	2416.0	2270.5	2249.1
77.5°	876.3	914.8	1149.2	1570.7	2081.1	2208.4	2217.0	1896.0	1430.6	1188.8	1151.3
80°	255.7	273.9	352.0	602.4	969.4	1252.9	995.1	836.7	521.1	408.7	389.5
82.5°	108.1	123.0	150.9	166.9	281.4	581.0	361.7	230.0	214.0	173.3	158.4
85°	46.0	49.2	63.1	67.4	90.9	124.1	114.5	103.8	99.5	77.0	70.6
87.5°	19.3	19.3	19.3	17.1	16.0	17.1	23.5	30.0	39.6	31.0	28.9
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)