

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: P633401

Luminaire Tested: GWS-SA2E-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633401
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-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14924 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

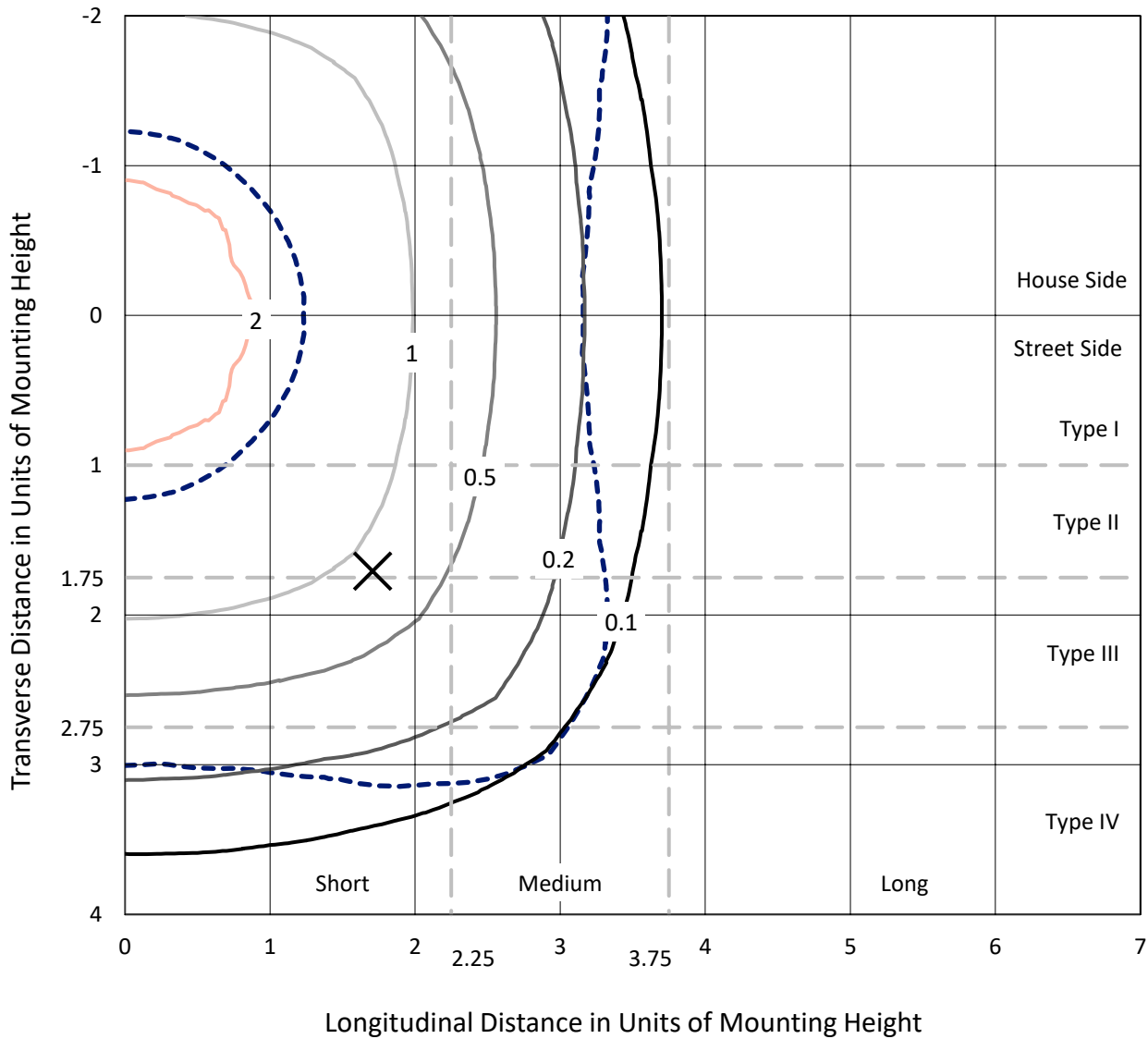
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

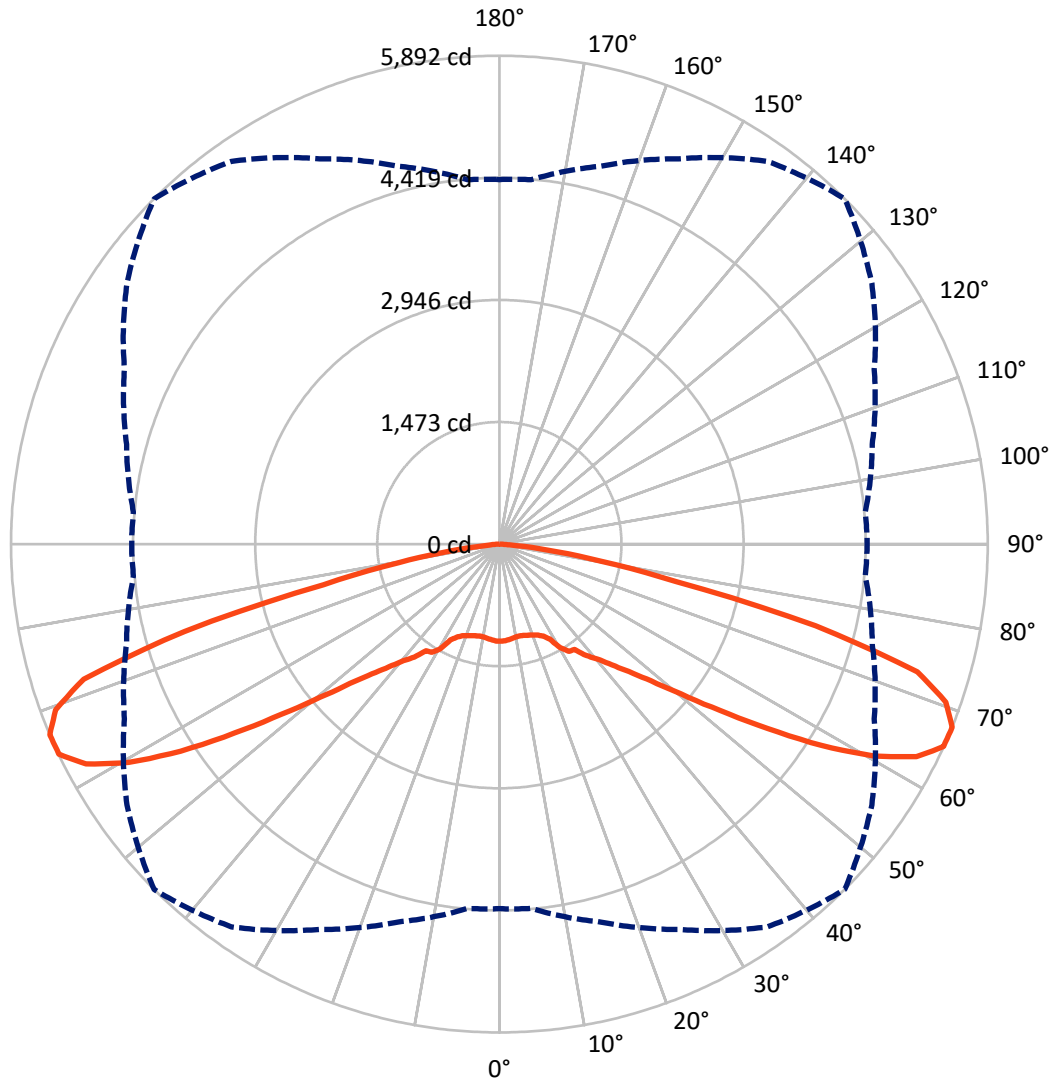
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.9 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	7462.0	0.0	7462.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7462.0	0.0	7462.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14924.0	0.0	14924.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	0.7
10°-20°	326.1	2.2
20°-30°	585.0	3.9
30°-40°	988.2	6.6
40°-50°	1736.2	11.6
50°-60°	3349.3	22.4
60°-70°	4859.3	32.6
70°-80°	2780.3	18.6
80°-90°	189.8	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°	14924.0	100.0
0°-180°	14924.0	100.0

Coefficient of Utilization



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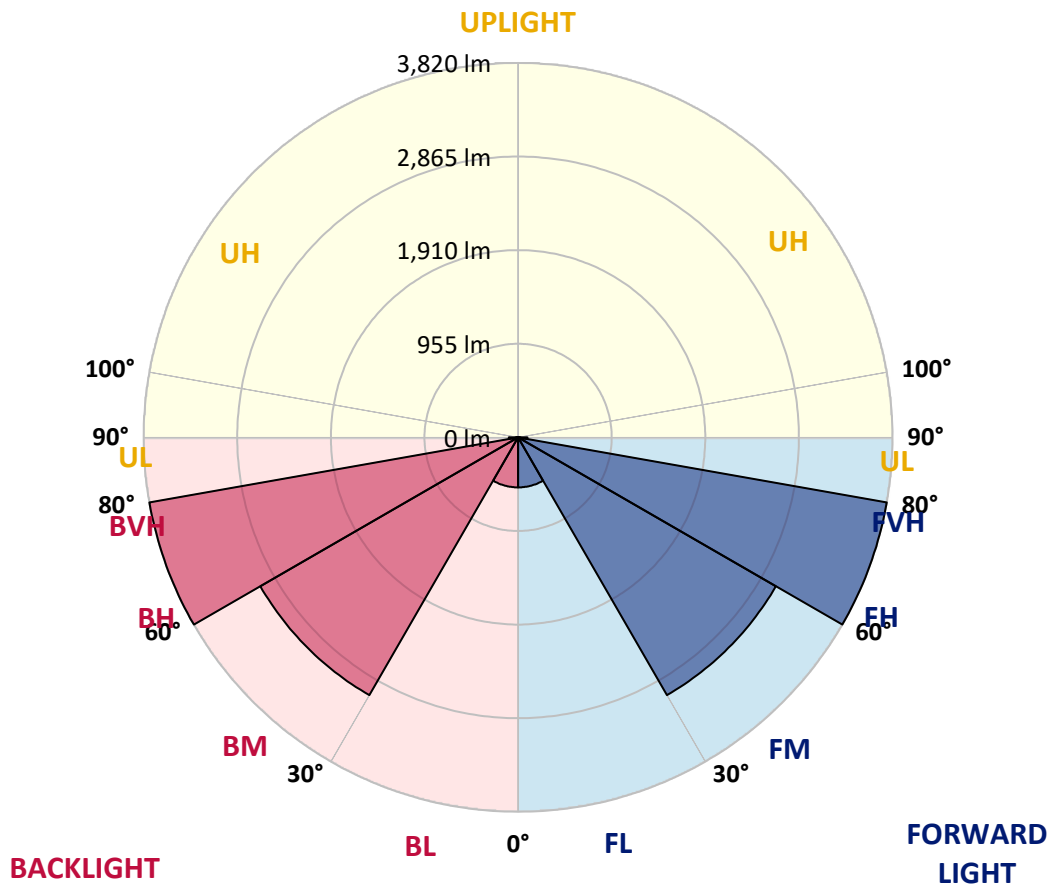
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	510.5	3.4			
FM (30°-60°)	3036.8	20.3			
FH (60°-80°)	3819.8	25.6			G2/5000
FVH (80°-90°)	94.9	0.6			G1/100
BL (0°-30°)	510.5	3.4	B2/1000		
BM (30°-60°)	3036.8	20.3	B3/5000		
BH (60°-80°)	3819.8	25.6	B4/5000		G2/5000
BVH (80°-90°)	94.9	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°	1170.3	1170.3	1170.3	1170.3	1170.3	1170.3	1170.3	1170.3	1170.3	1170.3	1170.3
2.5°	1160.8	1161.9	1164.0	1164.0	1166.1	1169.3	1170.3	1168.2	1169.3	1164.0	1169.3
5°	1157.7	1158.7	1159.8	1157.7	1157.7	1158.7	1158.7	1156.6	1157.7	1152.4	1157.7
7.5°	1150.3	1151.4	1151.4	1148.2	1145.0	1147.1	1147.1	1145.0	1146.1	1140.8	1147.1
10°	1144.0	1144.0	1142.9	1136.6	1133.4	1136.6	1137.6	1138.7	1142.9	1138.7	1146.1
12.5°	1148.2	1148.2	1145.0	1136.6	1131.3	1133.4	1135.5	1137.6	1145.0	1144.0	1152.4
15°	1159.8	1160.8	1152.4	1142.9	1139.7	1142.9	1140.8	1139.7	1149.2	1152.4	1161.9
17.5°	1169.3	1169.3	1158.7	1149.2	1150.3	1155.6	1151.4	1146.1	1155.6	1161.9	1172.5
20°	1177.7	1176.7	1165.1	1158.7	1163.0	1170.3	1167.2	1159.8	1166.1	1173.5	1183.0
22.5°	1198.8	1197.8	1185.1	1182.0	1186.2	1193.6	1190.4	1184.1	1191.5	1202.0	1213.6
25°	1259.0	1256.9	1237.9	1227.3	1225.2	1230.5	1229.4	1227.3	1238.9	1251.6	1265.3
27.5°	1339.2	1338.1	1324.4	1313.9	1300.2	1295.9	1299.1	1308.6	1325.5	1335.0	1346.6
30°	1379.3	1379.3	1377.2	1394.1	1423.6	1452.1	1430.0	1394.1	1379.3	1375.1	1386.7
32.5°	1432.1	1437.3	1430.0	1448.9	1498.5	1540.8	1498.5	1440.5	1430.0	1430.0	1442.6
35°	1553.4	1555.5	1543.9	1540.8	1556.6	1561.9	1541.8	1520.7	1532.3	1534.4	1550.3
37.5°	1650.5	1650.5	1645.2	1653.7	1686.4	1706.4	1673.7	1635.7	1638.9	1641.0	1661.1
40°	1800.4	1804.6	1791.9	1790.9	1803.5	1821.5	1786.7	1762.4	1779.3	1784.5	1815.1
42.5°	1987.2	1987.2	1968.2	1962.9	1971.3	1990.3	1957.6	1941.8	1963.9	1968.2	1986.1
45°	2209.8	2215.1	2189.8	2180.3	2184.5	2190.8	2167.6	2160.2	2181.3	2190.8	2222.5
47.5°	2481.0	2486.3	2464.2	2463.1	2458.9	2463.1	2440.9	2436.7	2453.6	2446.2	2480.0
50°	2815.6	2825.1	2806.1	2832.5	2829.3	2842.0	2811.4	2789.2	2789.2	2769.2	2788.1
52.5°	3190.2	3209.2	3218.7	3263.0	3296.8	3328.5	3277.8	3243.0	3192.3	3151.2	3202.9
55°	3598.6	3593.4	3653.5	3750.6	3849.8	3924.7	3825.5	3715.8	3633.5	3548.0	3568.0
57.5°	3956.4	3974.3	4053.5	4230.8	4427.1	4585.4	4407.0	4195.9	4009.1	3886.7	3903.6
60°	4254.0	4268.8	4374.3	4629.7	4972.7	5191.1	4908.3	4560.0	4288.8	4120.0	4137.9
62.5°	4528.4	4542.1	4648.7	4930.4	5363.1	5648.1	5282.9	4807.0	4505.1	4335.2	4345.8
65°	4686.7	4695.1	4840.7	5137.3	5593.2	5887.6	5476.0	4985.3	4688.8	4515.7	4522.0
67.5°	4398.6	4412.3	4719.4	5128.8	5637.5	5891.8	5484.5	4990.6	4657.1	4431.3	4436.6
70°	3469.9	3458.3	3824.5	4528.4	5383.2	5714.5	5240.7	4616.0	4101.0	3785.4	3780.1
72.5°	2645.7	2648.8	2852.5	3334.8	4389.1	5273.4	4624.4	3716.8	3161.7	2922.2	2912.7
75°	1918.6	1948.1	2113.8	2467.3	3069.9	3941.6	3481.5	2754.4	2382.9	2239.4	2218.3
77.5°	864.3	902.3	1133.4	1549.2	2052.6	2178.2	2186.6	1870.0	1411.0	1172.5	1135.5
80°	252.2	270.2	347.2	594.1	956.1	1235.8	981.4	825.3	513.9	403.1	384.1
82.5°	106.6	121.4	148.8	164.6	277.5	573.0	356.7	226.9	211.1	171.0	156.2
85°	45.4	48.5	62.3	66.5	89.7	122.4	112.9	102.4	98.1	76.0	69.7
87.5°	19.0	19.0	19.0	16.9	15.8	16.9	23.2	29.5	39.0	30.6	28.5
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)