

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: P632790

Luminaire Tested: GWS-SA2D-740-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-740-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12091.7 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

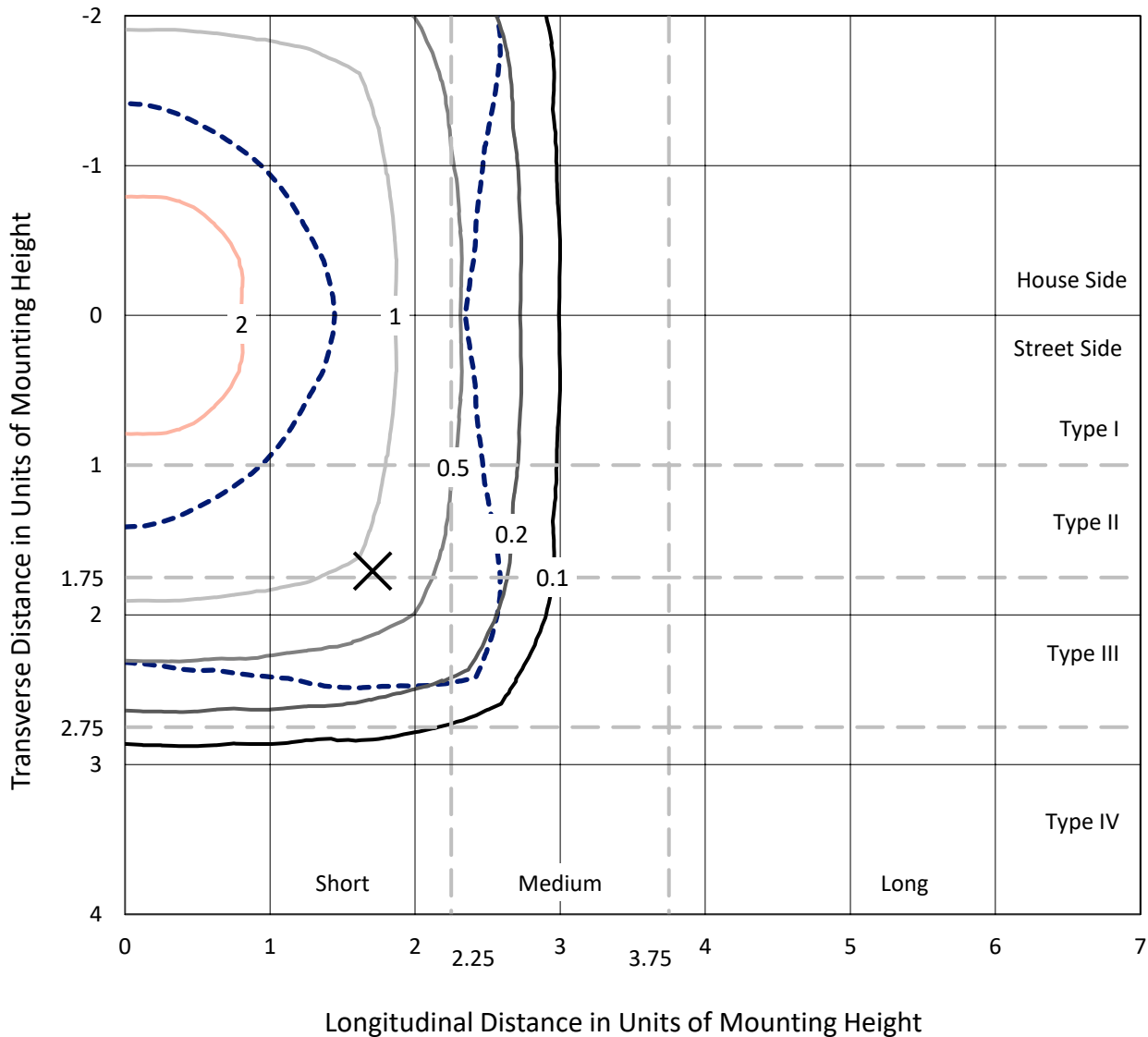
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

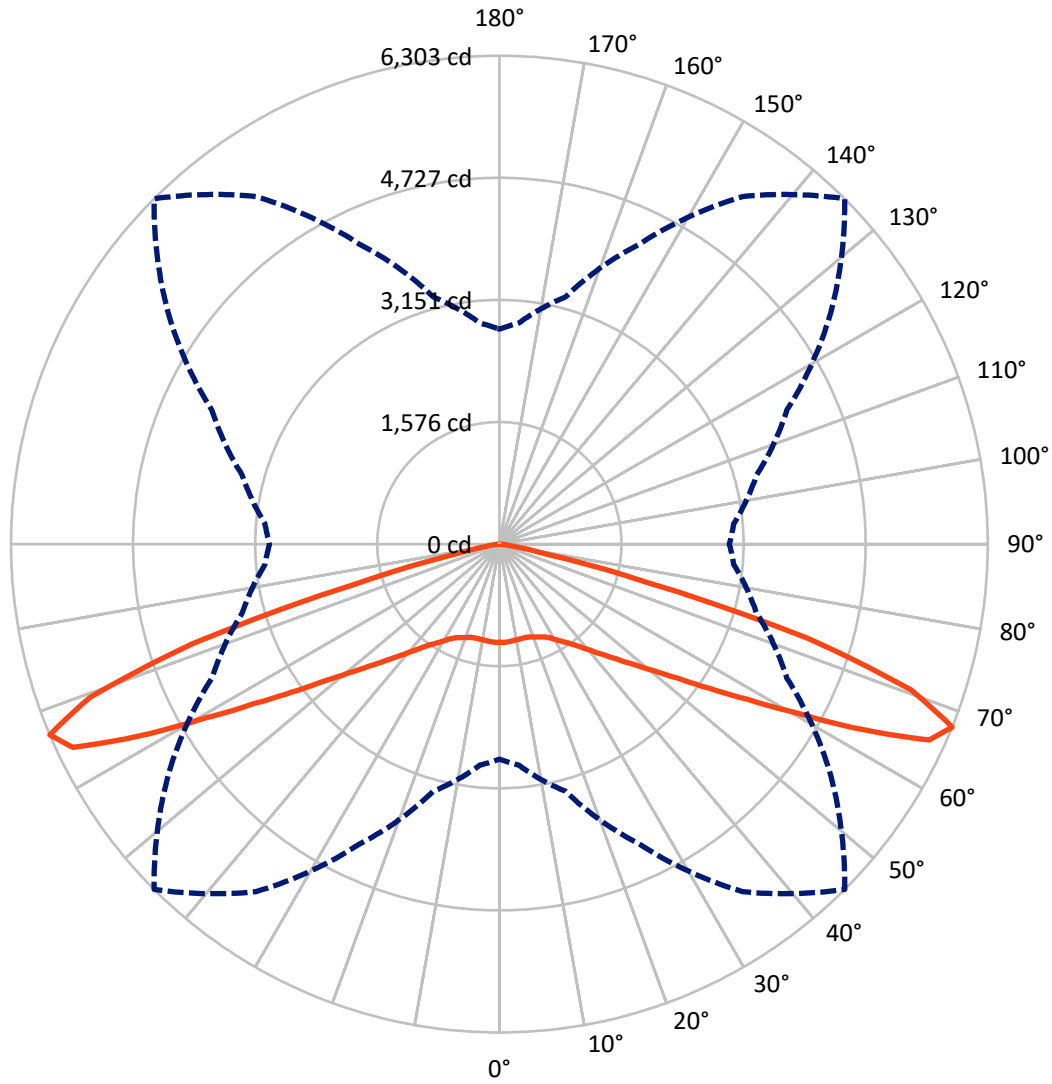
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.2 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	6045.9	0.0	6045.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6045.9	0.0	6045.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	12091.7	0.0	12091.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.9	1.0
10°-20°	352.0	2.9
20°-30°	607.2	5.0
30°-40°	987.3	8.2
40°-50°	1662.4	13.7
50°-60°	2945.4	24.4
60°-70°	4210.3	34.8
70°-80°	1155.5	9.6
80°-90°	51.8	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°	12091.7	100.0
0°-180°	12091.7	100.0

Coefficient of Utilization



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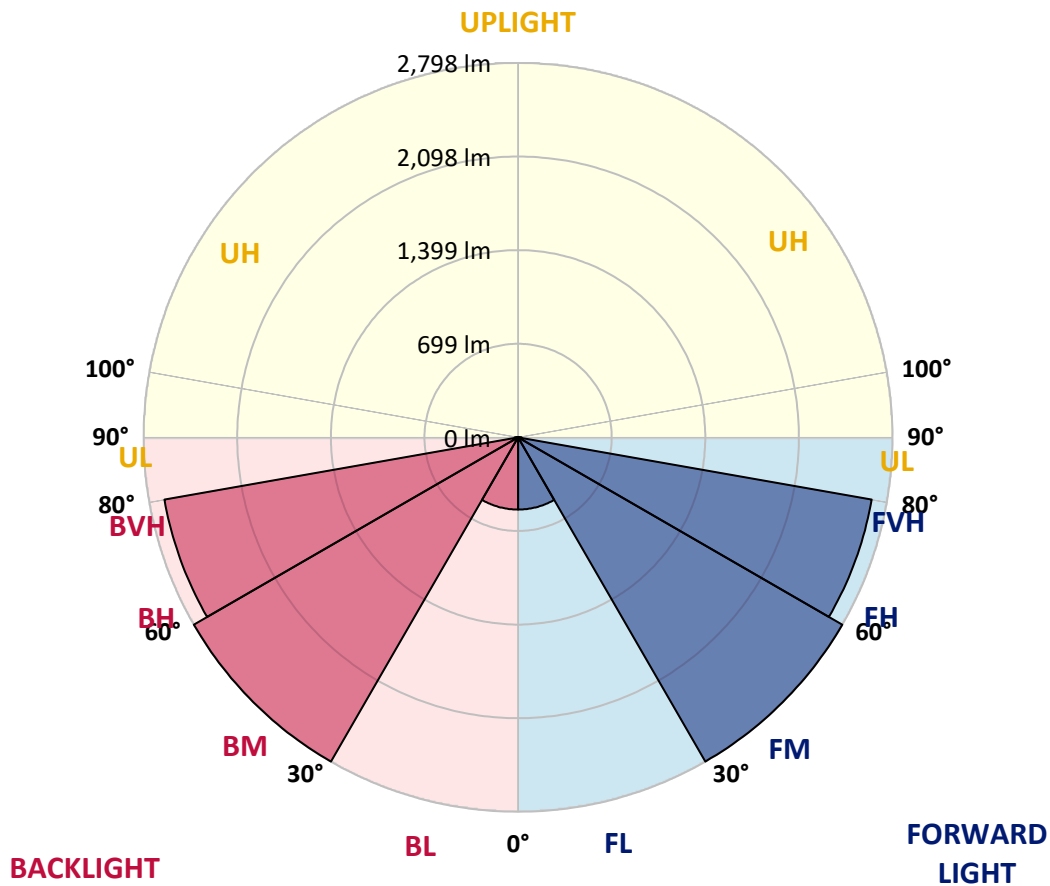
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	539.5	4.5			
FM (30°-60°)	2797.5	23.1			
FH (60°-80°)	2682.9	22.2			G2/5000
FVH (80°-90°)	25.9	0.2			G1/100
BL (0°-30°)	539.5	4.5	B2/1000		
BM (30°-60°)	2797.5	23.1	B3/5000		
BH (60°-80°)	2682.9	22.2	B4/5000		G2/5000
BVH (80°-90°)	25.9	0.2			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°	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4
2.5°	1258.0	1257.2	1261.4	1263.9	1263.0	1268.9	1268.1	1266.4	1266.4	1263.9	1270.6
5°	1258.0	1257.2	1260.5	1261.4	1259.7	1264.7	1263.0	1261.4	1261.4	1258.0	1263.9
7.5°	1251.3	1252.2	1254.7	1256.3	1254.7	1258.9	1256.3	1253.0	1252.2	1248.8	1254.7
10°	1238.8	1239.6	1242.1	1246.3	1247.1	1254.7	1250.5	1244.6	1242.1	1238.8	1244.6
12.5°	1231.2	1232.1	1234.6	1239.6	1241.3	1251.3	1247.1	1237.9	1233.7	1230.4	1236.3
15°	1229.6	1230.4	1233.7	1238.8	1241.3	1251.3	1247.1	1236.3	1230.4	1226.2	1231.2
17.5°	1229.6	1231.2	1236.3	1243.8	1248.8	1258.9	1253.8	1241.3	1232.9	1225.4	1230.4
20°	1230.4	1232.9	1240.4	1251.3	1263.9	1278.1	1271.4	1254.7	1243.0	1233.7	1237.1
22.5°	1237.9	1242.1	1251.3	1265.6	1284.0	1300.7	1294.9	1272.3	1255.5	1243.0	1246.3
25°	1263.9	1265.6	1277.3	1295.7	1313.3	1327.5	1321.6	1300.7	1279.8	1264.7	1268.9
27.5°	1309.9	1314.1	1324.1	1343.4	1358.5	1366.0	1365.2	1350.9	1330.0	1316.6	1320.0
30°	1365.2	1369.3	1382.7	1404.5	1419.6	1427.9	1425.4	1414.5	1395.3	1376.9	1380.2
32.5°	1429.6	1431.3	1447.2	1471.5	1487.4	1499.9	1491.5	1479.8	1455.6	1433.8	1435.5
35°	1511.6	1514.1	1530.9	1553.5	1566.0	1576.1	1574.4	1562.7	1536.7	1513.3	1519.2
37.5°	1614.6	1616.3	1631.3	1659.8	1669.8	1677.4	1679.0	1673.2	1646.4	1616.3	1622.1
40°	1742.6	1743.5	1760.2	1785.3	1796.2	1801.2	1802.1	1802.9	1775.3	1752.7	1751.0
42.5°	1891.6	1895.8	1919.3	1943.5	1948.6	1946.0	1954.4	1962.8	1936.0	1905.0	1907.5
45°	2069.9	2072.4	2104.2	2131.0	2121.8	2113.4	2129.3	2146.1	2121.8	2081.6	2069.9
47.5°	2280.8	2285.9	2320.2	2347.0	2331.9	2316.8	2342.8	2360.4	2321.0	2278.3	2267.5
50°	2519.4	2522.7	2571.3	2604.8	2587.2	2559.6	2592.2	2610.6	2557.9	2505.2	2481.7
52.5°	2801.5	2794.8	2859.2	2917.8	2906.9	2870.9	2897.7	2901.1	2822.4	2747.9	2724.5
55°	3145.5	3138.8	3203.2	3267.7	3294.5	3285.3	3272.7	3252.6	3136.3	3056.8	3035.0
57.5°	3546.4	3525.5	3615.9	3702.9	3761.5	3778.3	3724.7	3677.8	3585.7	3487.8	3462.7
60°	3918.9	3918.0	4061.2	4211.8	4372.5	4439.5	4303.9	4176.7	3969.9	3791.6	3755.7
62.5°	4023.5	4041.1	4275.4	4648.7	5045.5	5282.4	4925.0	4503.9	4104.7	3836.0	3788.3
65°	3765.7	3809.2	4142.4	4731.6	5515.0	6094.3	5287.4	4511.5	3954.9	3620.1	3569.8
67.5°	2775.5	2862.6	3303.7	4269.6	5474.9	6302.7	5222.9	4093.8	3435.1	3036.7	2967.2
70°	1369.3	1452.2	1802.1	2809.0	4504.8	5633.9	4519.0	3085.2	2320.2	1936.8	1873.2
72.5°	503.9	537.4	674.6	1201.9	2485.9	4161.6	3090.2	1723.4	1124.1	894.8	852.1
75°	246.9	252.8	273.7	403.4	917.4	1958.6	1452.2	661.2	413.5	359.9	348.2
77.5°	157.4	159.9	169.9	192.5	294.6	616.9	440.3	261.1	202.6	194.2	194.2
80°	87.9	90.4	103.8	119.7	138.1	211.8	158.2	156.5	133.1	116.3	113.8
82.5°	41.9	46.0	66.1	65.3	72.8	106.3	92.9	84.5	85.4	64.4	61.1
85°	19.3	19.3	25.9	31.0	32.6	36.0	42.7	48.5	47.7	32.6	35.2
87.5°	9.2	9.2	9.2	8.4	7.5	6.7	9.2	15.1	21.8	15.1	14.2
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)