

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: P632735

Luminaire Tested: GWS-SA2D-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632735
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-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11926 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

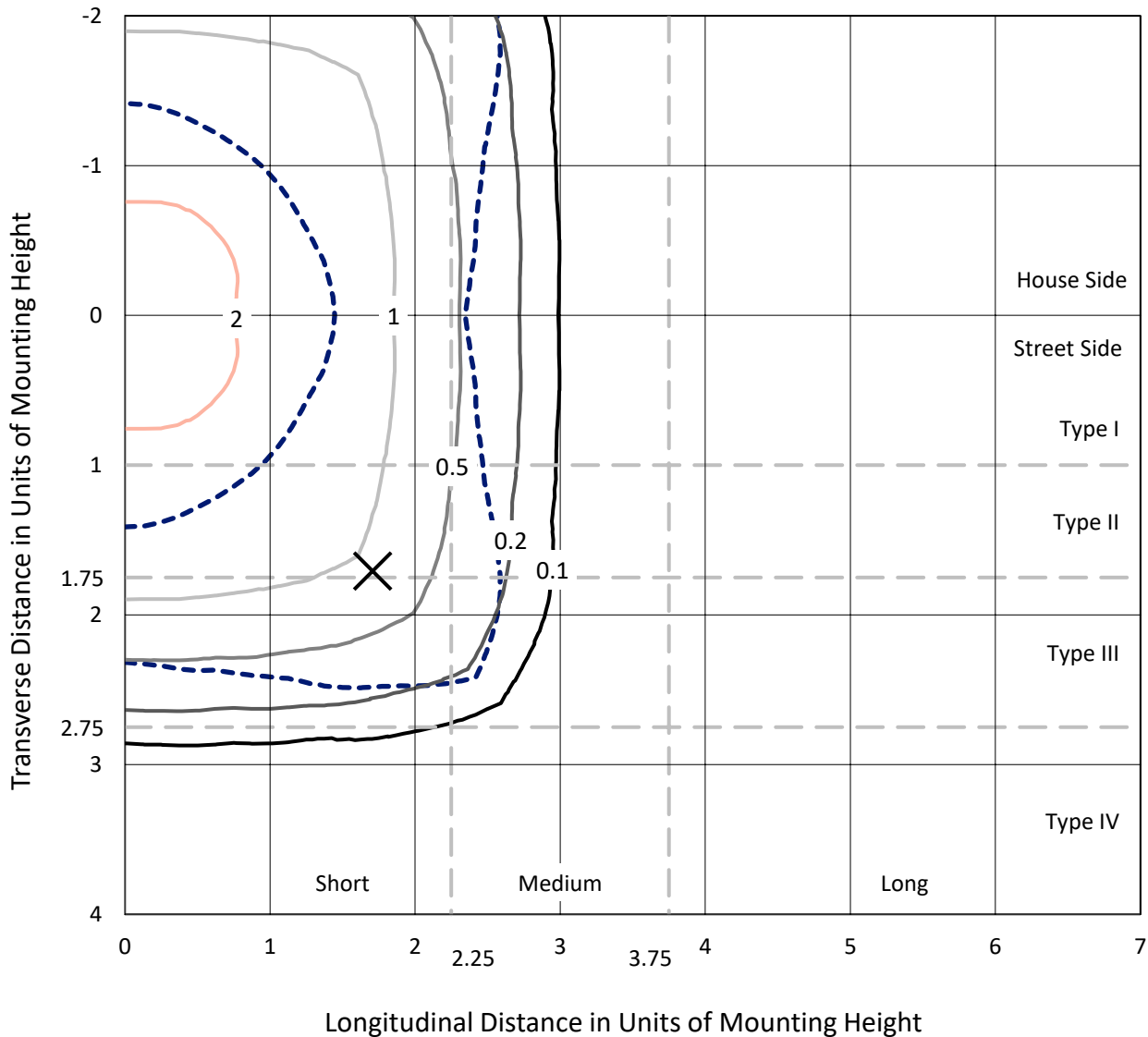
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

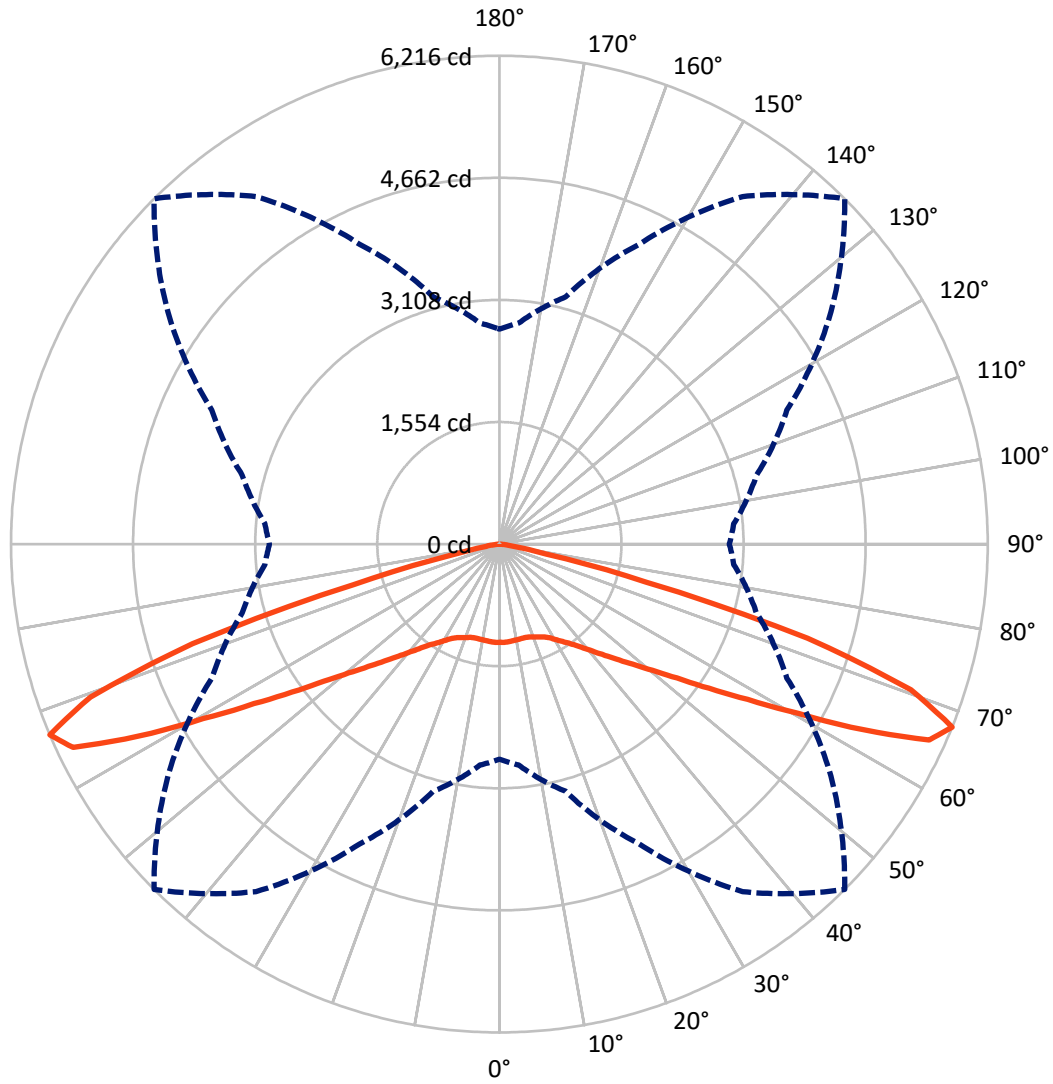
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.1 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	5963.0	0.0	5963.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5963.0	0.0	5963.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11926.0	0.0	11926.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.2	1.0
10°-20°	347.2	2.9
20°-30°	598.8	5.0
30°-40°	973.7	8.2
40°-50°	1639.6	13.7
50°-60°	2905.0	24.4
60°-70°	4152.6	34.8
70°-80°	1139.7	9.6
80°-90°	51.1	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°	11926.0	100.0
0°-180°	11926.0	100.0

Coefficient of Utilization



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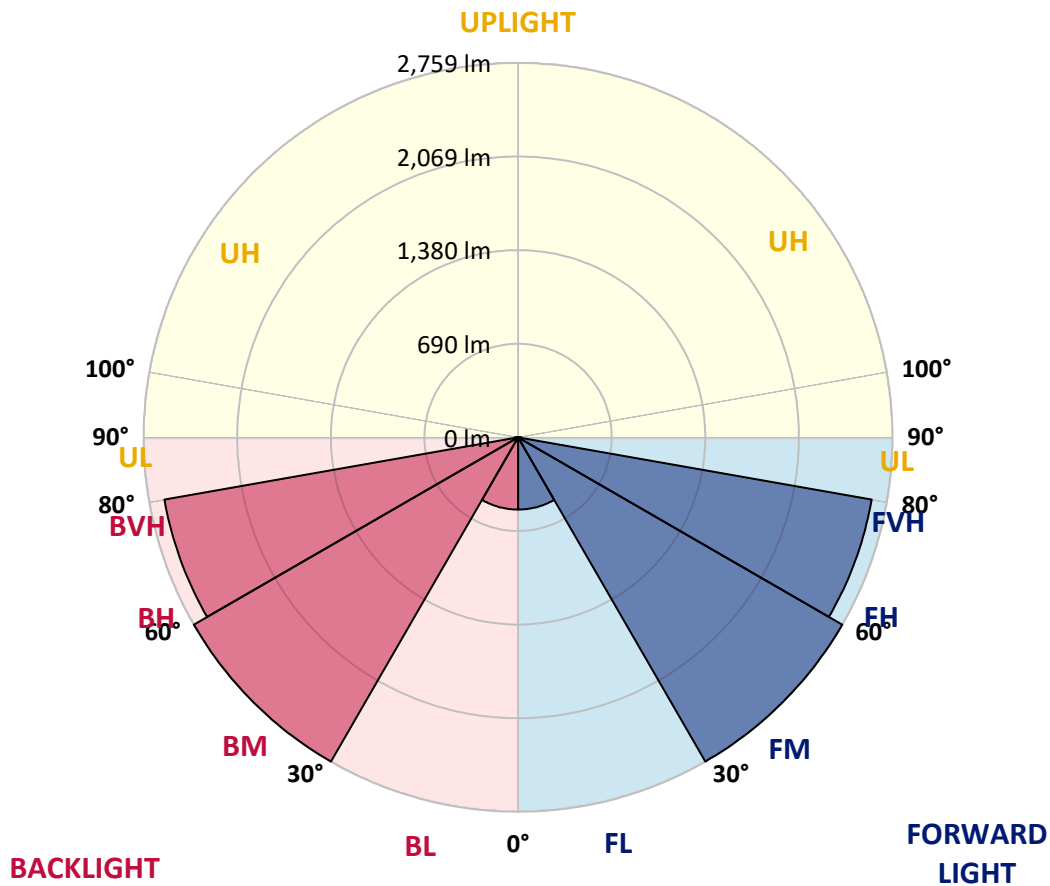
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	532.1	4.5			
FM (30°-60°)	2759.2	23.1			
FH (60°-80°)	2646.1	22.2			G2/5000
FVH (80°-90°)	25.5	0.2			G1/100
BL (0°-30°)	532.1	4.5	B2/1000		
BM (30°-60°)	2759.2	23.1	B3/5000		
BH (60°-80°)	2646.1	22.2	B4/5000		G2/5000
BVH (80°-90°)	25.5	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°	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0
2.5°	1240.8	1240.0	1244.1	1246.6	1245.7	1251.5	1250.7	1249.0	1249.0	1246.6	1253.2
5°	1240.8	1240.0	1243.3	1244.1	1242.4	1247.4	1245.7	1244.1	1244.1	1240.8	1246.6
7.5°	1234.2	1235.0	1237.5	1239.1	1237.5	1241.6	1239.1	1235.8	1235.0	1231.7	1237.5
10°	1221.8	1222.6	1225.1	1229.2	1230.1	1237.5	1233.4	1227.6	1225.1	1221.8	1227.6
12.5°	1214.4	1215.2	1217.7	1222.6	1224.3	1234.2	1230.1	1221.0	1216.8	1213.5	1219.3
15°	1212.7	1213.5	1216.8	1221.8	1224.3	1234.2	1230.1	1219.3	1213.5	1209.4	1214.4
17.5°	1212.7	1214.4	1219.3	1226.7	1231.7	1241.6	1236.7	1224.3	1216.0	1208.6	1213.5
20°	1213.5	1216.0	1223.4	1234.2	1246.6	1260.6	1254.0	1237.5	1225.9	1216.8	1220.1
22.5°	1221.0	1225.1	1234.2	1248.2	1266.4	1282.9	1277.1	1254.8	1238.3	1225.9	1229.2
25°	1246.6	1248.2	1259.8	1277.9	1295.3	1309.3	1303.5	1282.9	1262.2	1247.4	1251.5
27.5°	1292.0	1296.1	1306.0	1325.0	1339.8	1347.3	1346.5	1332.4	1311.8	1298.6	1301.9
30°	1346.5	1350.6	1363.8	1385.3	1400.1	1408.4	1405.9	1395.2	1376.2	1358.0	1361.3
32.5°	1410.0	1411.7	1427.4	1451.3	1467.0	1479.4	1471.1	1459.6	1435.6	1414.1	1415.8
35°	1490.9	1493.4	1509.9	1532.2	1544.6	1554.5	1552.8	1541.3	1515.7	1492.6	1498.4
37.5°	1592.5	1594.1	1609.0	1637.0	1646.9	1654.4	1656.0	1650.2	1623.8	1594.1	1599.9
40°	1718.8	1719.6	1736.1	1760.9	1771.6	1776.6	1777.4	1778.2	1751.0	1728.7	1727.0
42.5°	1865.7	1869.8	1893.0	1916.9	1921.9	1919.4	1927.6	1935.9	1909.5	1878.9	1881.4
45°	2041.6	2044.0	2075.4	2101.8	2092.7	2084.5	2100.2	2116.7	2092.7	2053.1	2041.6
47.5°	2249.6	2254.5	2288.4	2314.8	2299.9	2285.1	2310.7	2328.0	2289.2	2247.1	2236.4
50°	2484.9	2488.2	2536.1	2569.1	2551.7	2524.5	2556.7	2574.9	2522.8	2470.8	2447.7
52.5°	2763.1	2756.5	2820.0	2877.8	2867.1	2831.6	2858.0	2861.3	2783.7	2710.2	2687.1
55°	3102.4	3095.8	3159.3	3222.9	3249.3	3240.2	3227.9	3208.0	3093.3	3014.9	2993.4
57.5°	3497.8	3477.2	3566.3	3652.2	3710.0	3726.5	3673.6	3627.4	3536.6	3440.0	3415.2
60°	3865.2	3864.3	4005.5	4154.1	4312.6	4378.7	4244.9	4119.4	3915.5	3739.7	3704.2
62.5°	3968.4	3985.7	4216.8	4585.0	4976.3	5210.0	4857.5	4442.2	4048.4	3783.4	3736.4
65°	3714.1	3757.0	4085.6	4666.8	5439.5	6010.7	5214.9	4449.6	3900.7	3570.5	3520.9
67.5°	2737.5	2823.3	3258.4	4211.1	5399.8	6216.3	5151.4	4037.7	3388.0	2995.1	2926.5
70°	1350.6	1432.3	1777.4	2770.5	4443.0	5556.7	4457.1	3042.9	2288.4	1910.3	1847.6
72.5°	497.0	530.0	665.4	1185.5	2451.8	4104.6	3047.9	1699.8	1108.7	882.5	840.4
75°	243.5	249.3	270.0	397.9	904.8	1931.8	1432.3	652.2	407.8	355.0	343.4
77.5°	155.2	157.7	167.6	189.9	290.6	608.4	434.2	257.6	199.8	191.5	191.5
80°	86.7	89.2	102.4	118.1	136.2	208.9	156.0	154.4	131.3	114.7	112.3
82.5°	41.3	45.4	65.2	64.4	71.8	104.8	91.6	83.4	84.2	63.6	60.3
85°	19.0	19.0	25.6	30.5	32.2	35.5	42.1	47.9	47.1	32.2	34.7
87.5°	9.1	9.1	9.1	8.3	7.4	6.6	9.1	14.9	21.5	14.9	14.0
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)