

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: P634990

Luminaire Tested: GWS-SA3C-830-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634990
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-SA3C-830-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11475.7 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

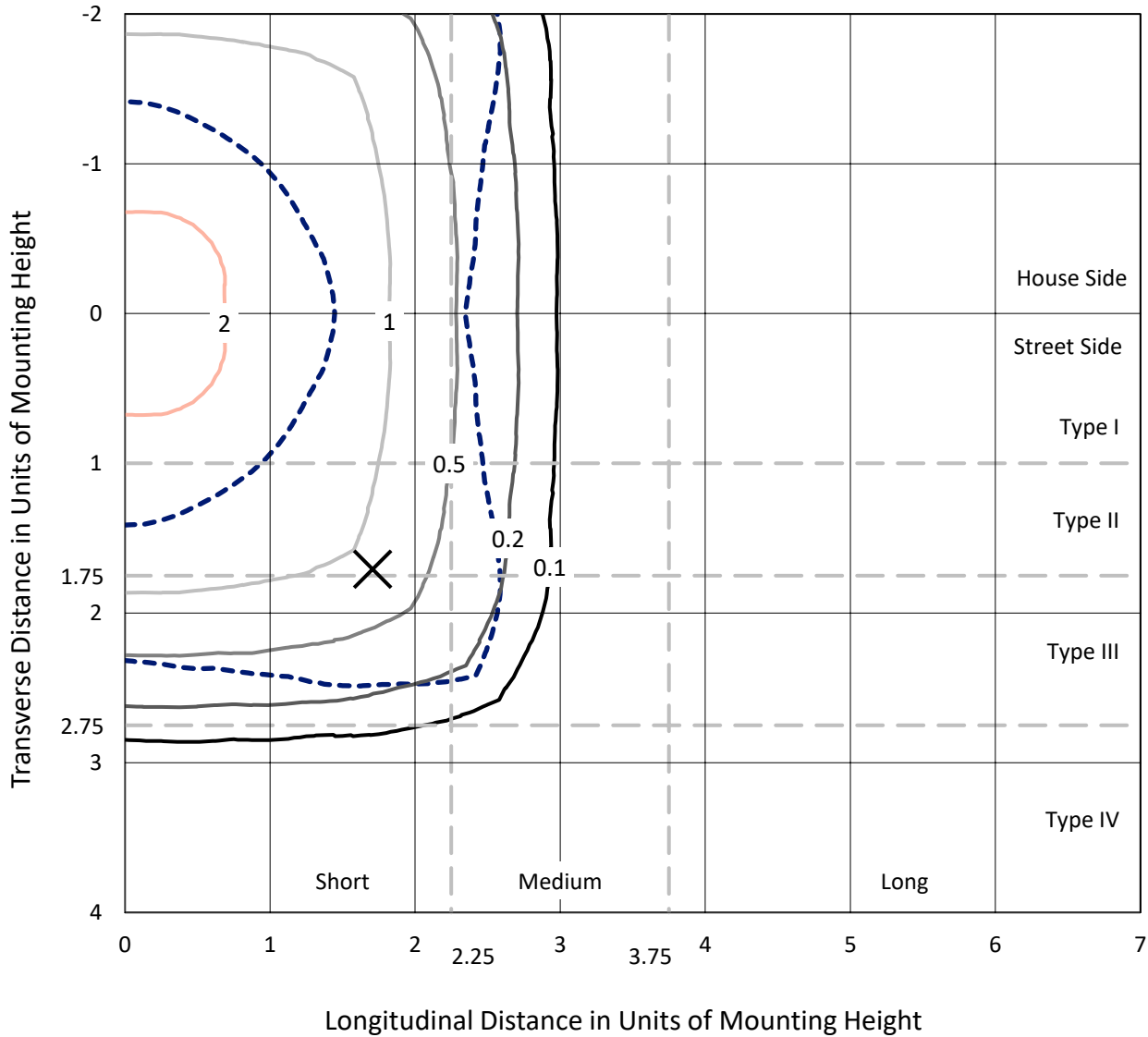
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

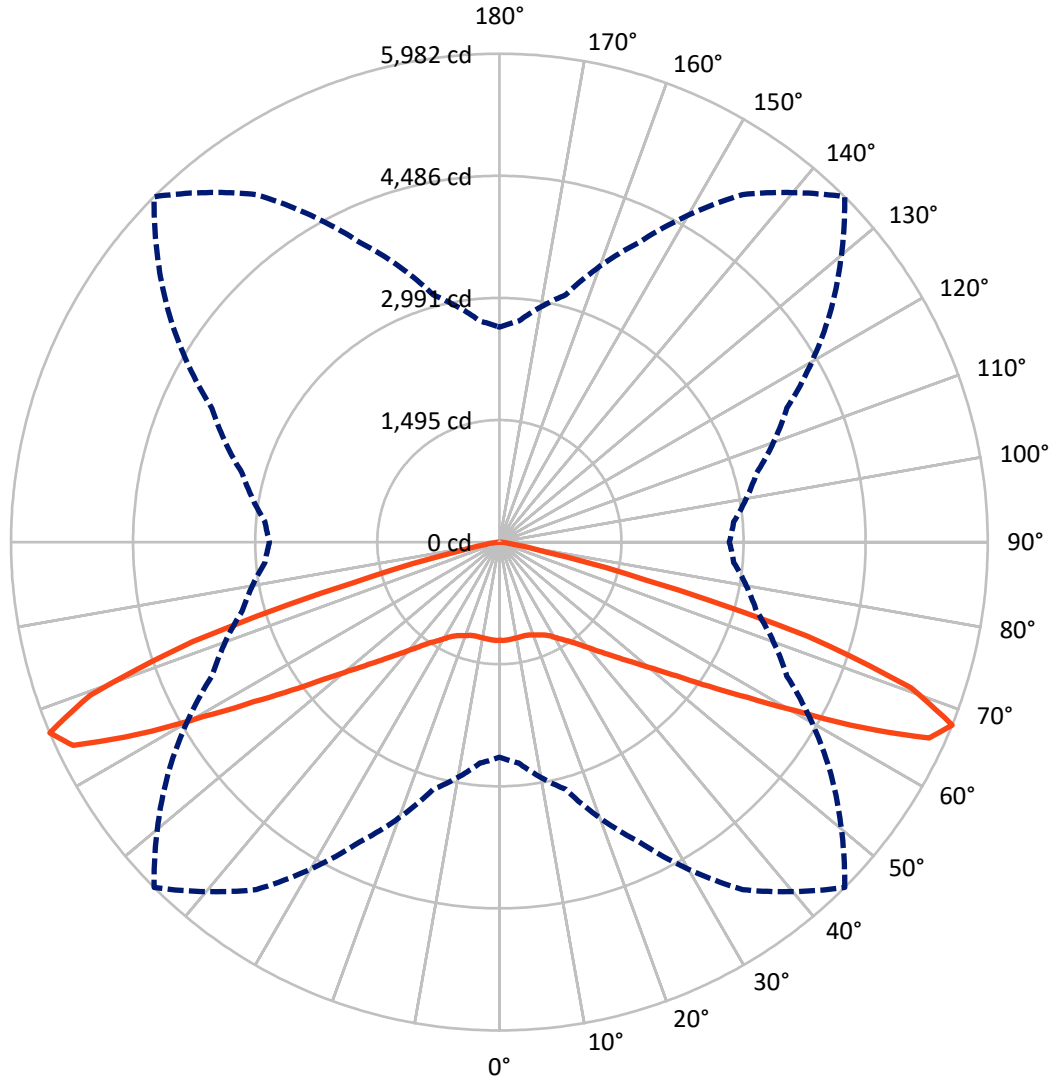
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3 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	5737.9	0.0	5737.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5737.9	0.0	5737.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11475.7	0.0	11475.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.8	1.0
10°-20°	334.1	2.9
20°-30°	576.2	5.0
30°-40°	937.0	8.2
40°-50°	1577.7	13.7
50°-60°	2795.4	24.4
60°-70°	3995.8	34.8
70°-80°	1096.7	9.6
80°-90°	49.1	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°	11475.7	100.0
0°-180°	11475.7	100.0

Coefficient of Utilization



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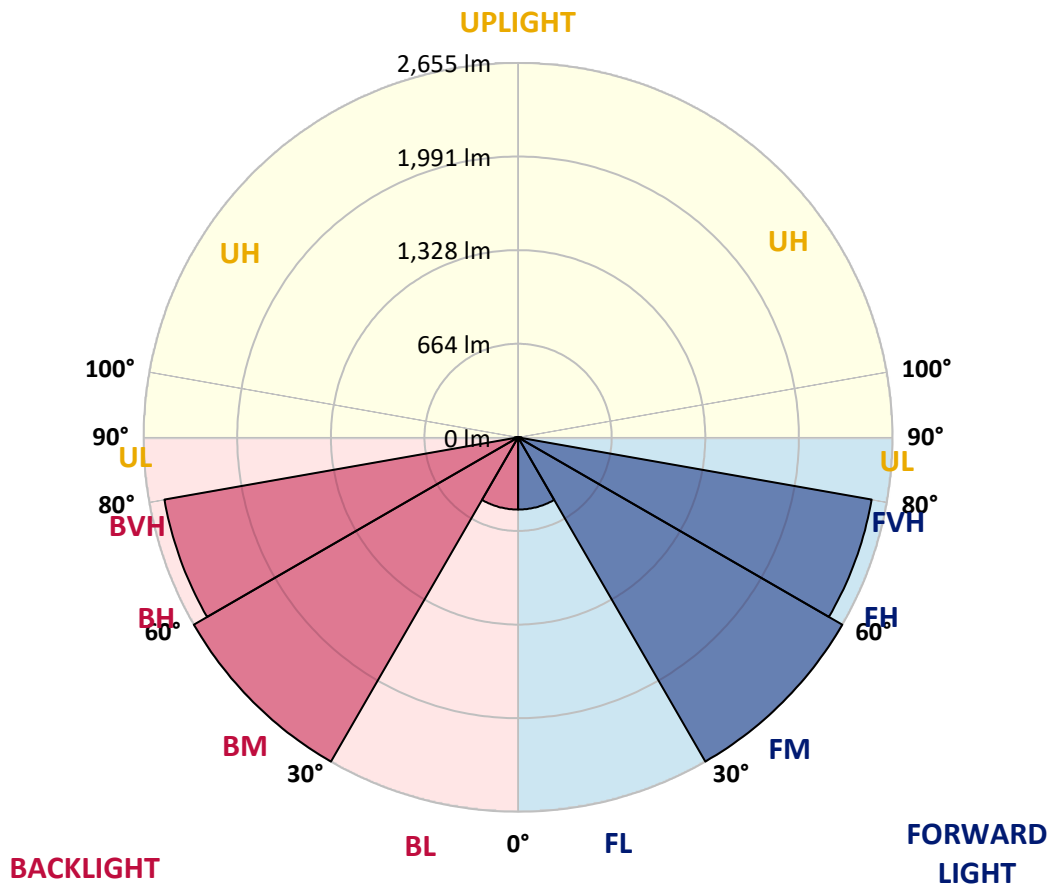
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	512.0	4.5			
FM (30°-60°)	2655.0	23.1			
FH (60°-80°)	2546.2	22.2			G2/5000
FVH (80°-90°)	24.6	0.2			G1/100
BL (0°-30°)	512.0	4.5	B2/1000		
BM (30°-60°)	2655.0	23.1	B3/5000		
BH (60°-80°)	2546.2	22.2	B4/5000		G2/5000
BVH (80°-90°)	24.6	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°	1201.9	1201.9	1201.9	1201.9	1201.9	1201.9	1201.9	1201.9	1201.9	1201.9	1201.9
2.5°	1193.9	1193.1	1197.1	1199.5	1198.7	1204.3	1203.5	1201.9	1201.9	1199.5	1205.8
5°	1193.9	1193.1	1196.3	1197.1	1195.5	1200.3	1198.7	1197.1	1197.1	1193.9	1199.5
7.5°	1187.6	1188.4	1190.8	1192.3	1190.8	1194.7	1192.3	1189.2	1188.4	1185.2	1190.8
10°	1175.7	1176.5	1178.8	1182.8	1183.6	1190.8	1186.8	1181.2	1178.8	1175.7	1181.2
12.5°	1168.5	1169.3	1171.7	1176.5	1178.0	1187.6	1183.6	1174.9	1170.9	1167.7	1173.3
15°	1166.9	1167.7	1170.9	1175.7	1178.0	1187.6	1183.6	1173.3	1167.7	1163.7	1168.5
17.5°	1166.9	1168.5	1173.3	1180.4	1185.2	1194.7	1190.0	1178.0	1170.1	1163.0	1167.7
20°	1167.7	1170.1	1177.3	1187.6	1199.5	1213.0	1206.6	1190.8	1179.6	1170.9	1174.1
22.5°	1174.9	1178.8	1187.6	1201.1	1218.6	1234.4	1228.9	1207.4	1191.6	1179.6	1182.8
25°	1199.5	1201.1	1212.2	1229.7	1246.4	1259.9	1254.3	1234.4	1214.6	1200.3	1204.3
27.5°	1243.2	1247.2	1256.7	1275.0	1289.3	1296.4	1295.6	1282.1	1262.2	1249.5	1252.7
30°	1295.6	1299.6	1312.3	1332.9	1347.2	1355.2	1352.8	1342.5	1324.2	1306.7	1309.9
32.5°	1356.8	1358.4	1373.5	1396.5	1411.6	1423.5	1415.6	1404.4	1381.4	1360.8	1362.3
35°	1434.6	1437.0	1452.9	1474.3	1486.3	1495.8	1494.2	1483.1	1458.5	1436.2	1441.8
37.5°	1532.3	1533.9	1548.2	1575.2	1584.8	1591.9	1593.5	1587.9	1562.5	1533.9	1539.5
40°	1653.9	1654.7	1670.6	1694.4	1704.7	1709.5	1710.3	1711.1	1684.9	1663.4	1661.8
42.5°	1795.3	1799.2	1821.5	1844.5	1849.3	1846.9	1854.8	1862.8	1837.4	1808.0	1810.4
45°	1964.5	1966.9	1997.0	2022.5	2013.7	2005.8	2020.9	2036.8	2013.7	1975.6	1964.5
47.5°	2164.7	2169.4	2202.0	2227.4	2213.1	2198.8	2223.4	2240.1	2202.8	2162.3	2151.9
50°	2391.0	2394.2	2440.3	2472.1	2455.4	2429.2	2460.2	2477.6	2427.6	2377.5	2355.3
52.5°	2658.7	2652.4	2713.6	2769.2	2758.8	2724.7	2750.1	2753.3	2678.6	2607.9	2585.7
55°	2985.2	2978.9	3040.0	3101.2	3126.6	3117.9	3106.0	3086.9	2976.5	2901.0	2880.4
57.5°	3365.7	3345.9	3431.7	3514.3	3569.9	3585.8	3534.9	3490.4	3403.1	3310.1	3286.3
60°	3719.2	3718.4	3854.3	3997.3	4149.8	4213.3	4084.6	3963.9	3767.7	3598.5	3564.3
62.5°	3818.5	3835.2	4057.6	4411.9	4788.4	5013.3	4674.1	4274.5	3895.6	3640.6	3595.3
65°	3573.9	3615.2	3931.3	4490.6	5234.1	5783.8	5018.0	4281.6	3753.4	3435.6	3388.0
67.5°	2634.1	2716.7	3135.4	4052.1	5196.0	5981.6	4956.9	3885.2	3260.1	2882.0	2816.0
70°	1299.6	1378.2	1710.3	2665.9	4275.3	5346.9	4288.8	2928.0	2202.0	1838.2	1777.8
72.5°	478.2	510.0	640.3	1140.7	2359.3	3949.6	2932.8	1635.6	1066.8	849.2	808.7
75°	234.3	239.9	259.8	382.9	870.6	1858.8	1378.2	627.5	392.4	341.6	330.5
77.5°	149.3	151.7	161.3	182.7	279.6	585.4	417.8	247.8	192.2	184.3	184.3
80°	83.4	85.8	98.5	113.6	131.1	201.0	150.1	148.5	126.3	110.4	108.0
82.5°	39.7	43.7	62.8	62.0	69.1	100.9	88.2	80.2	81.0	61.2	58.0
85°	18.3	18.3	24.6	29.4	31.0	34.2	40.5	46.1	45.3	31.0	33.4
87.5°	8.7	8.7	8.7	7.9	7.1	6.4	8.7	14.3	20.7	14.3	13.5
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)