

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: P636528

Luminaire Tested: GWS-SA4B-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-722-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6514.2 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 94.4
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

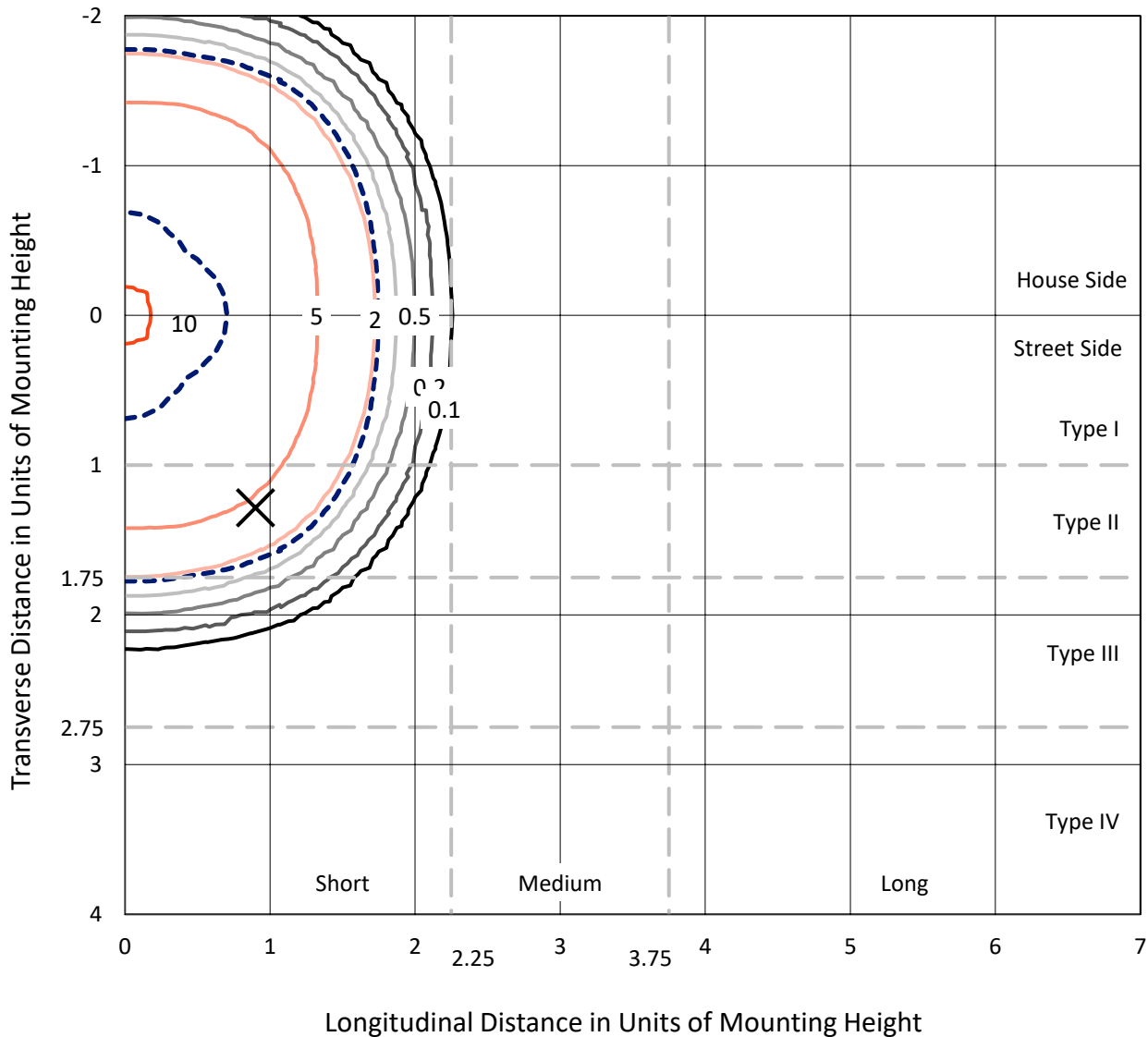


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Iso-Footcandle Lines of Horizontal Illumination

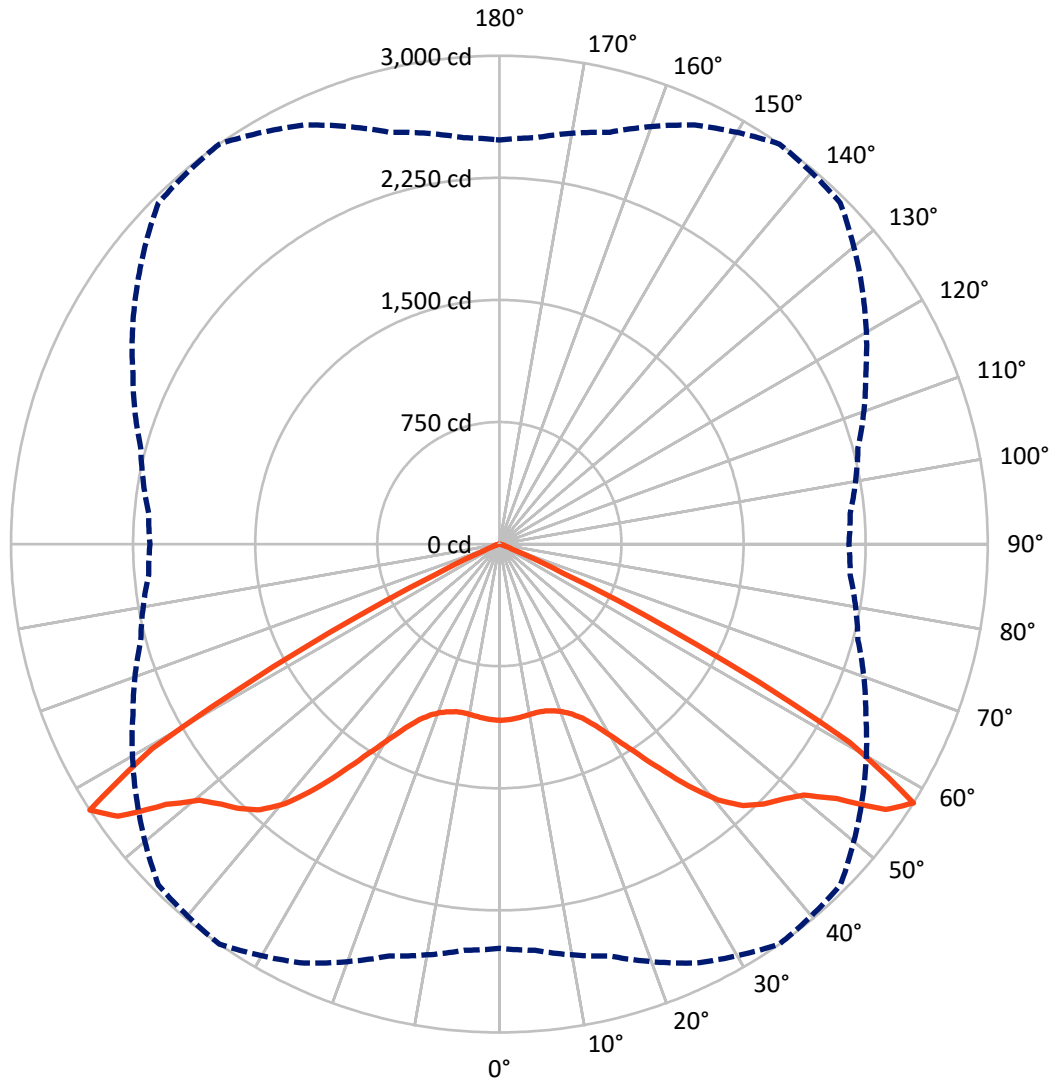
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3257.1	0.0	3257.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3257.1	0.0	3257.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	6514.2	0.0	6514.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.0	1.6
10°-20°	300.2	4.6
20°-30°	542.5	8.3
30°-40°	1012.2	15.5
40°-50°	1697.9	26.1
50°-60°	2242.3	34.4
60°-70°	595.5	9.1
70°-80°	21.1	0.3
80°-90°	0.4	0.0
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°	6514.2	100.0
0°-180°	6514.2	100.0

Coefficient of Utilization



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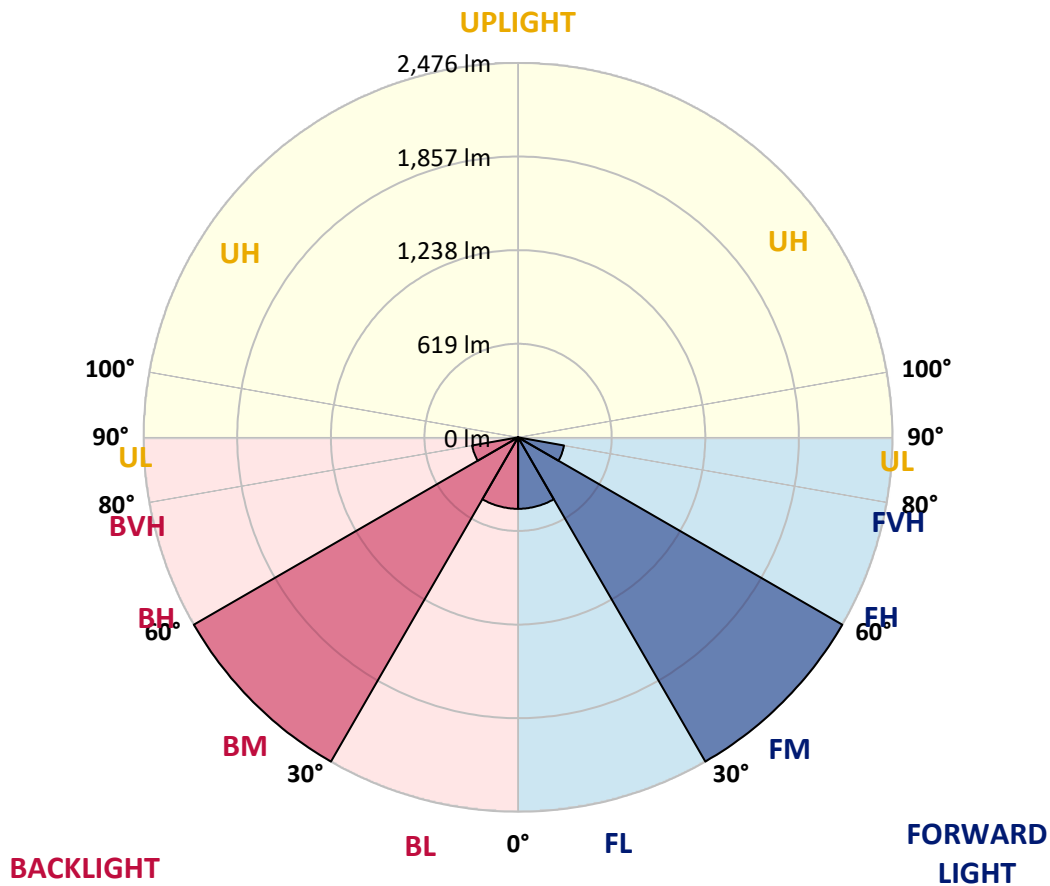
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	472.4	7.3			
FM (30°-60°)	2476.2	38.0			
FH (60°-80°)	308.3	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	472.4	7.3	B1/500		
BM (30°-60°)	2476.2	38.0	B2/2500		
BH (60°-80°)	308.3	4.7	B1/500		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1075.4	1074.6	1077.7	1080.0	1080.0	1085.3	1083.8	1082.3	1080.8	1078.5	1083.8
5°	1073.9	1073.1	1075.4	1076.9	1075.4	1080.0	1076.9	1073.9	1072.3	1069.3	1075.4
7.5°	1067.0	1067.8	1069.3	1070.8	1068.5	1072.3	1068.5	1063.9	1060.1	1057.1	1062.4
10°	1056.3	1057.1	1058.6	1061.6	1062.4	1067.8	1062.4	1054.0	1048.6	1044.1	1049.4
12.5°	1050.9	1051.7	1054.0	1057.8	1058.6	1065.5	1058.6	1046.4	1038.7	1033.4	1038.7
15°	1052.5	1054.0	1057.1	1061.6	1063.2	1070.1	1060.9	1044.8	1034.1	1027.2	1031.8
17.5°	1057.8	1059.4	1063.9	1071.6	1076.9	1083.8	1072.3	1051.7	1037.2	1027.2	1031.8
20°	1064.7	1067.0	1074.6	1086.9	1098.3	1110.6	1096.0	1067.8	1048.6	1036.4	1040.2
22.5°	1083.8	1086.1	1096.8	1112.9	1132.0	1147.2	1129.7	1093.7	1067.8	1051.7	1055.5
25°	1122.8	1125.1	1138.8	1159.5	1183.9	1203.8	1181.6	1136.5	1102.9	1084.6	1086.1
27.5°	1183.9	1186.2	1202.3	1231.3	1264.2	1292.5	1260.4	1207.6	1169.4	1148.0	1148.0
30°	1261.1	1264.2	1285.6	1324.6	1375.8	1413.2	1369.7	1305.5	1256.5	1227.5	1228.3
32.5°	1360.5	1357.4	1388.0	1441.5	1514.1	1563.8	1499.6	1421.6	1361.3	1320.7	1324.6
35°	1488.1	1487.4	1521.8	1594.4	1689.2	1748.8	1672.3	1571.4	1498.8	1457.6	1458.3
37.5°	1652.5	1651.7	1691.4	1770.2	1884.1	1933.7	1848.1	1745.7	1667.8	1628.0	1632.6
40°	1845.1	1840.5	1875.6	1951.3	2065.2	2097.3	2004.1	1921.5	1846.6	1821.4	1833.6
42.5°	2028.5	2018.6	2039.2	2108.0	2195.9	2200.5	2130.2	2073.6	2022.4	2002.5	2010.2
45°	2176.0	2168.4	2187.5	2227.2	2277.7	2254.8	2221.1	2203.5	2162.3	2140.9	2147.7
47.5°	2286.1	2286.1	2309.0	2333.5	2341.1	2299.1	2304.4	2304.4	2263.2	2229.5	2221.1
50°	2380.9	2387.7	2422.1	2447.4	2422.1	2368.6	2399.2	2393.1	2309.0	2241.8	2224.2
52.5°	2532.2	2539.1	2591.8	2626.2	2597.9	2545.2	2549.0	2472.6	2348.8	2269.3	2241.8
55°	2692.7	2709.5	2786.0	2877.7	2878.4	2824.2	2723.3	2588.0	2437.4	2351.1	2322.8
57.5°	2482.5	2505.4	2619.3	2840.2	3000.0	2962.5	2721.8	2484.0	2280.7	2163.0	2147.0
60°	1708.3	1748.0	1861.9	2163.8	2471.8	2486.3	2202.0	1935.3	1702.1	1556.9	1560.0
62.5°	721.5	762.0	826.2	1074.6	1357.4	1375.0	1237.4	1046.4	856.0	751.3	767.4
65°	169.7	181.1	200.3	297.3	431.1	451.0	415.8	324.1	239.2	202.5	206.4
67.5°	74.1	75.7	71.8	76.4	94.8	97.1	94.0	82.5	78.0	79.5	79.5
70°	52.0	52.7	49.7	47.4	45.1	42.0	43.6	48.2	52.0	55.0	54.3
72.5°	32.1	32.9	33.6	33.6	31.3	28.3	29.8	32.9	33.6	34.4	33.6
75°	16.1	16.8	18.3	19.1	18.3	17.6	17.6	18.3	18.3	17.6	17.6
77.5°	3.1	3.8	5.4	6.1	6.1	6.1	6.1	6.1	6.9	6.1	6.1
80°	0.8	0.8	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
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)