

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: P632573

Luminaire Tested: GWS-SA2D-722-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8989.3 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

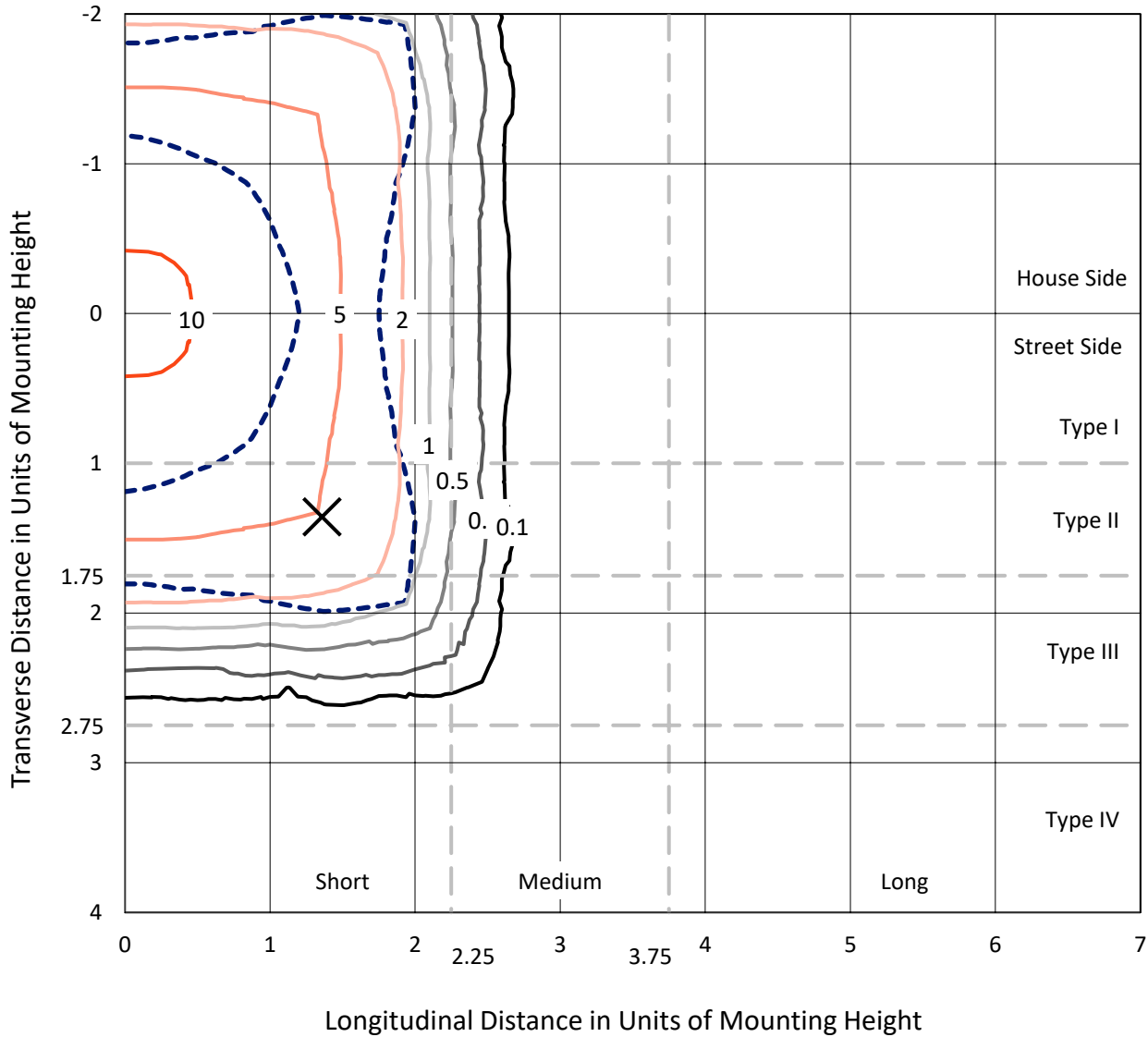
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

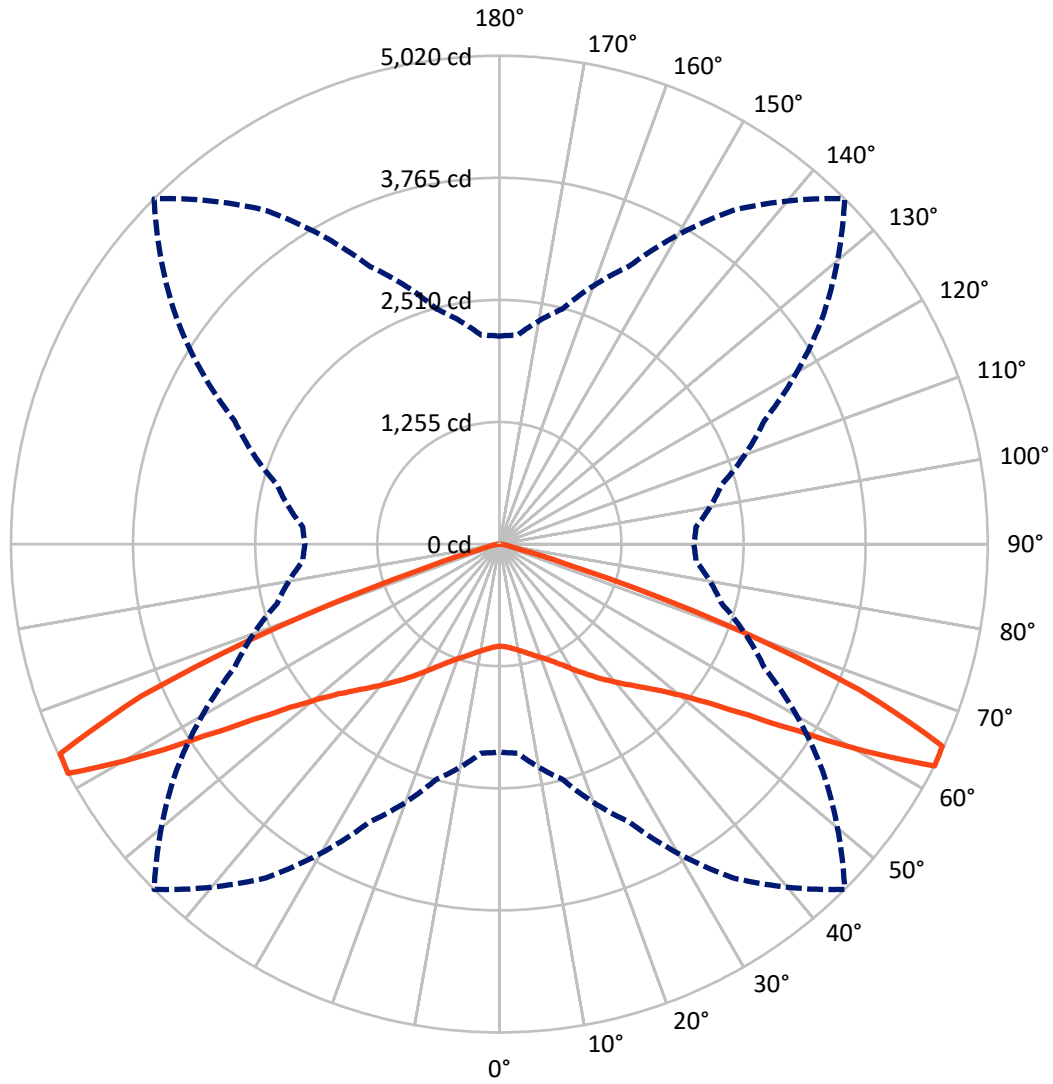
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4494.7	0.0	4494.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4494.7	0.0	4494.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	8989.3	0.0	8989.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.9	1.1
10°-20°	331.8	3.7
20°-30°	627.8	7.0
30°-40°	1056.6	11.8
40°-50°	1688.2	18.8
50°-60°	2721.2	30.3
60°-70°	2220.2	24.7
70°-80°	215.6	2.4
80°-90°	25.1	0.3
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°	8989.3	100.0
0°-180°	8989.3	100.0

Coefficient of Utilization



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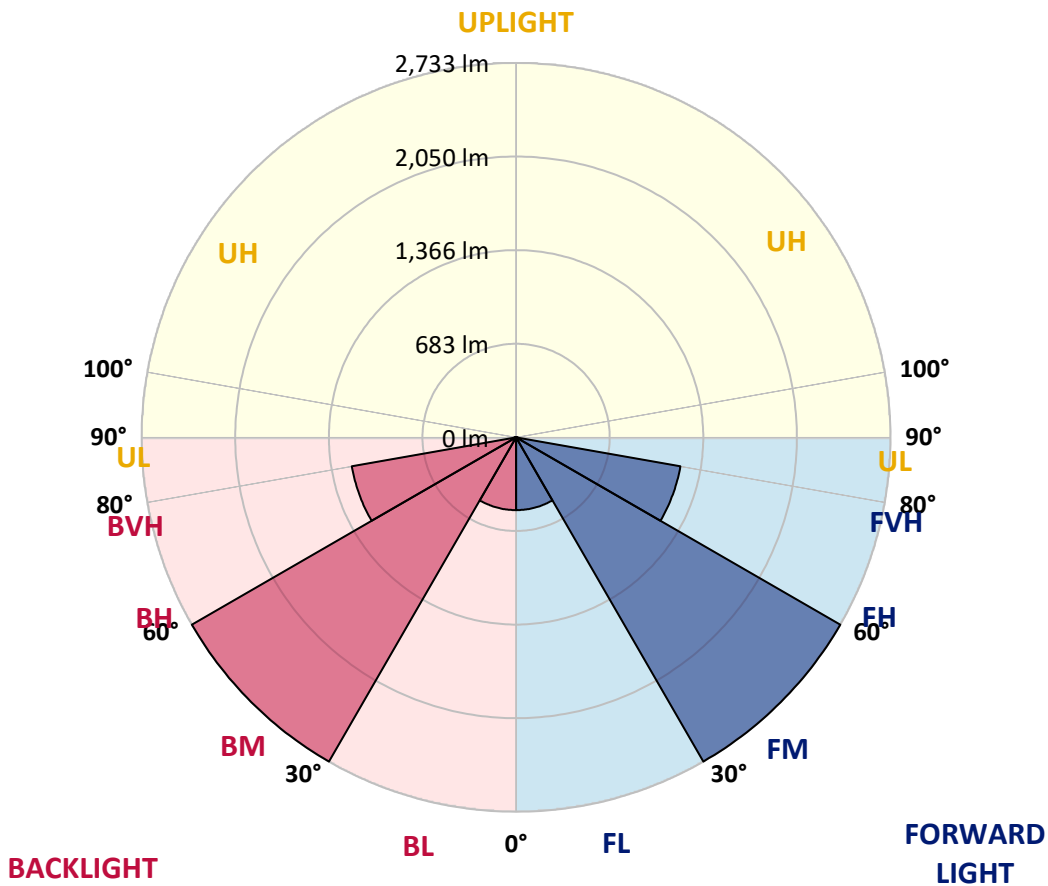
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	531.2	5.9			
FM (30°-60°)	2733.0	30.4			
FH (60°-80°)	1217.9	13.5			G1/1800
FVH (80°-90°)	12.5	0.1			G1/100
BL (0°-30°)	531.2	5.9	B2/1000		
BM (30°-60°)	2733.0	30.4	B3/5000		
BH (60°-80°)	1217.9	13.5	B3/2500		G1/1800
BVH (80°-90°)	12.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1048.7	1048.7	1048.7	1048.7	1048.7	1048.7	1048.7	1048.7	1048.7	1048.7	1048.7
2.5°	1047.5	1047.5	1050.0	1051.8	1050.6	1055.5	1054.9	1053.7	1053.0	1051.2	1056.7
5°	1061.7	1061.7	1063.5	1065.4	1062.3	1068.5	1066.0	1064.8	1064.1	1061.7	1066.6
7.5°	1077.7	1079.5	1080.2	1083.2	1081.4	1088.2	1086.3	1083.9	1082.6	1079.5	1083.9
10°	1095.6	1096.8	1097.4	1103.0	1103.6	1111.6	1109.8	1106.7	1104.2	1101.1	1107.3
12.5°	1119.6	1120.2	1122.1	1128.9	1130.7	1136.9	1136.3	1132.0	1128.9	1124.6	1131.3
15°	1150.5	1151.1	1154.2	1160.9	1164.0	1171.4	1168.9	1162.2	1157.8	1152.9	1158.5
17.5°	1182.5	1185.0	1188.1	1194.8	1199.2	1207.8	1204.7	1197.3	1193.6	1188.7	1192.4
20°	1223.8	1224.4	1226.3	1233.7	1236.8	1246.6	1247.2	1239.8	1238.0	1233.1	1238.6
22.5°	1269.4	1270.1	1271.9	1279.9	1285.5	1291.6	1295.3	1291.0	1287.9	1281.8	1288.6
25°	1320.0	1326.2	1328.0	1337.9	1344.0	1347.7	1352.1	1350.2	1345.9	1338.5	1341.6
27.5°	1390.9	1392.1	1395.2	1406.3	1410.0	1413.7	1418.0	1418.6	1412.5	1403.8	1408.2
30°	1471.7	1471.0	1477.8	1486.5	1489.5	1492.6	1498.8	1502.5	1494.5	1485.2	1489.5
32.5°	1554.3	1561.7	1570.3	1578.3	1576.5	1577.7	1587.6	1594.4	1583.3	1566.6	1570.3
35°	1647.4	1652.3	1663.4	1675.1	1672.7	1670.8	1677.0	1683.8	1668.3	1646.8	1652.3
37.5°	1742.9	1750.3	1767.0	1781.2	1777.5	1768.8	1775.6	1783.0	1768.2	1743.6	1741.1
40°	1849.6	1861.3	1885.4	1897.1	1887.2	1870.6	1882.3	1900.2	1885.4	1857.0	1850.2
42.5°	1974.8	1988.9	2013.0	2030.9	2009.3	1982.2	2001.9	2027.8	2024.1	1986.5	1974.8
45°	2129.5	2138.8	2168.3	2177.0	2144.9	2107.3	2143.1	2182.5	2173.3	2132.6	2117.2
47.5°	2297.8	2312.0	2337.9	2353.9	2302.1	2255.3	2305.2	2358.2	2348.4	2310.2	2292.3
50°	2512.4	2530.9	2564.8	2578.3	2506.8	2453.2	2517.3	2584.5	2565.4	2514.2	2490.8
52.5°	2746.0	2760.8	2818.8	2845.9	2778.7	2720.8	2776.9	2842.8	2802.1	2734.3	2702.9
55°	2952.0	2966.8	3051.8	3141.9	3138.8	3098.7	3127.1	3128.3	3017.9	2905.7	2872.4
57.5°	2996.4	3011.1	3173.3	3408.8	3575.3	3621.5	3538.3	3363.2	3085.1	2888.5	2850.8
60°	2759.6	2776.2	3034.0	3464.3	4011.8	4320.7	3937.2	3358.3	2877.4	2611.0	2575.3
62.5°	2138.1	2156.0	2502.5	3148.6	4188.1	5020.4	4053.1	3005.0	2366.9	2029.6	1998.2
65°	1021.0	1021.0	1461.2	2258.4	3836.7	5003.8	3717.7	2223.2	1424.8	1094.3	1067.2
67.5°	252.8	254.0	376.1	879.2	2609.8	3993.3	2652.3	1067.2	501.9	355.1	345.9
70°	157.8	157.2	174.5	238.0	913.1	2423.6	1084.5	321.8	204.1	180.0	178.8
72.5°	122.7	122.7	131.3	152.3	239.2	825.5	316.3	178.8	148.0	133.2	133.2
75°	96.8	96.8	103.0	114.1	141.2	212.7	168.3	132.6	114.7	104.8	103.6
77.5°	72.1	73.4	78.3	85.7	96.2	119.6	106.7	99.9	89.4	82.0	79.5
80°	46.9	48.7	54.9	59.2	62.9	78.9	69.7	72.8	67.8	59.2	58.0
82.5°	25.3	25.9	33.3	34.5	35.8	43.2	44.4	46.2	48.1	37.6	35.1
85°	9.2	9.2	11.1	12.9	14.2	15.4	21.0	25.9	27.1	21.6	21.0
87.5°	1.8	1.8	1.8	1.2	1.2	1.2	3.7	6.8	11.1	8.6	8.6
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)