

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: P635043

Luminaire Tested: GWS-SA3D-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635043
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-SA3D-722-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7920.1 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

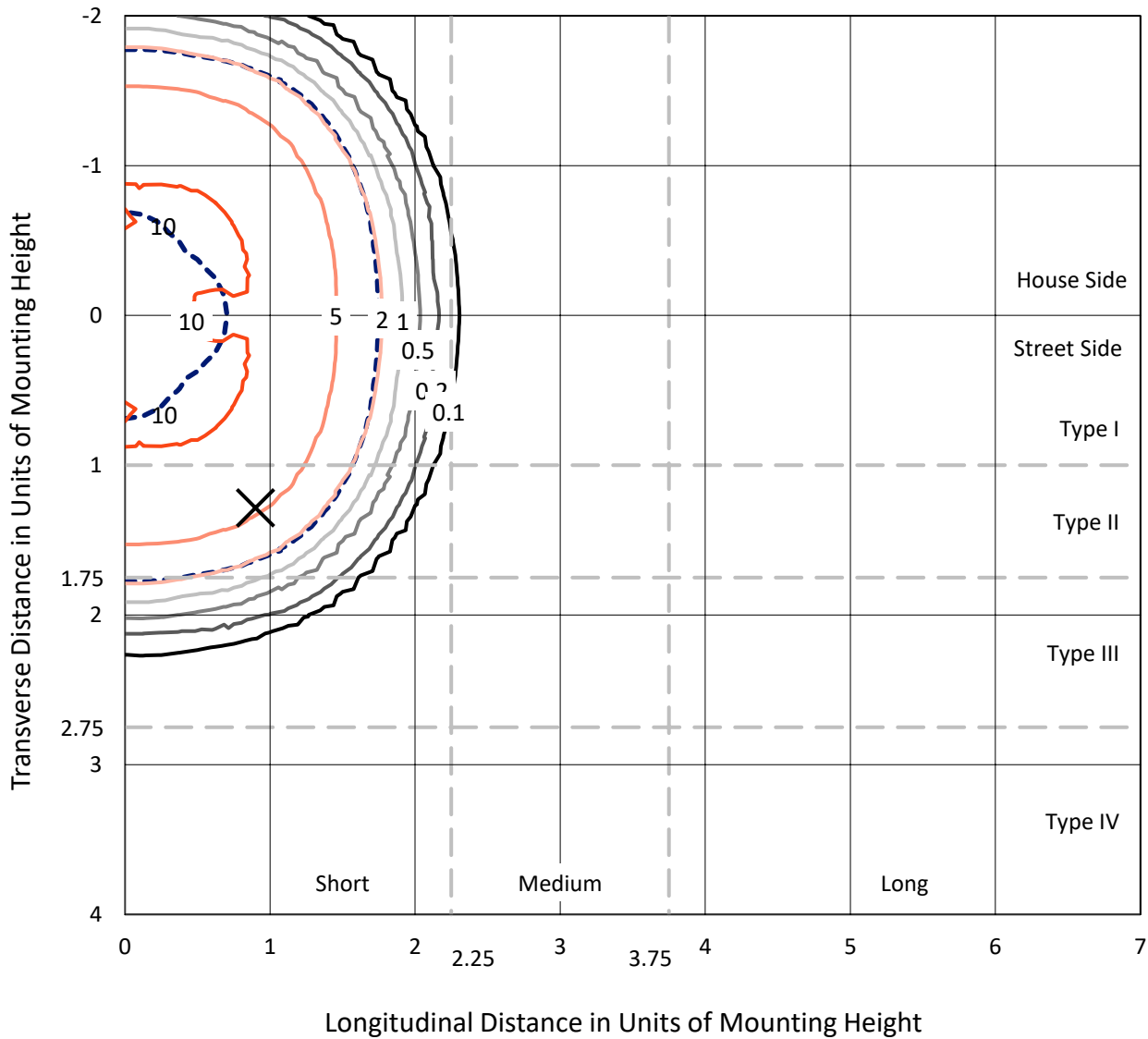
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

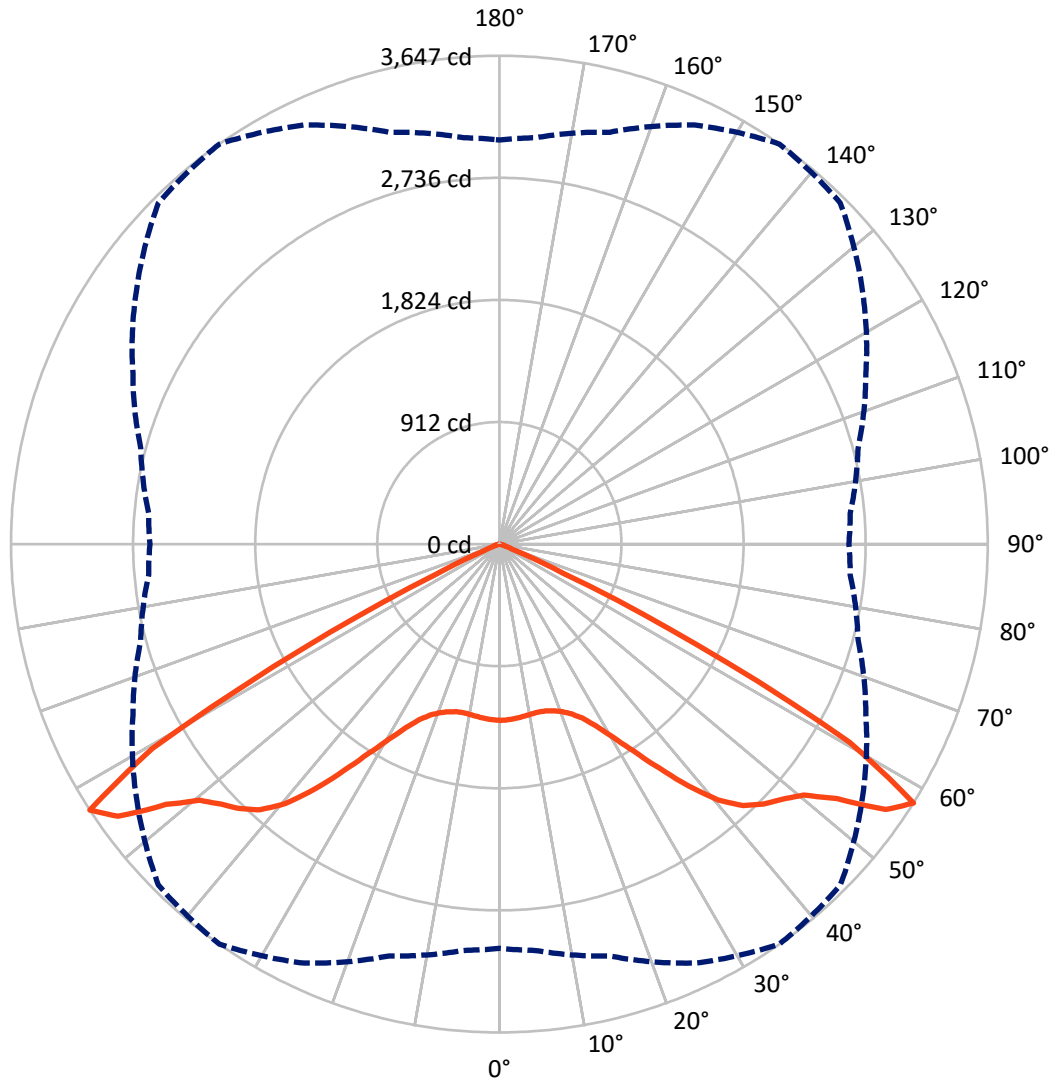
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 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	3960.0	0.0	3960.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3960.0	0.0	3960.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7920.1	0.0	7920.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.1	1.6
10°-20°	364.9	4.6
20°-30°	659.6	8.3
30°-40°	1230.6	15.5
40°-50°	2064.4	26.1
50°-60°	2726.2	34.4
60°-70°	724.0	9.1
70°-80°	25.7	0.3
80°-90°	0.5	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°	7920.1	100.0
0°-180°	7920.1	100.0

Coefficient of Utilization



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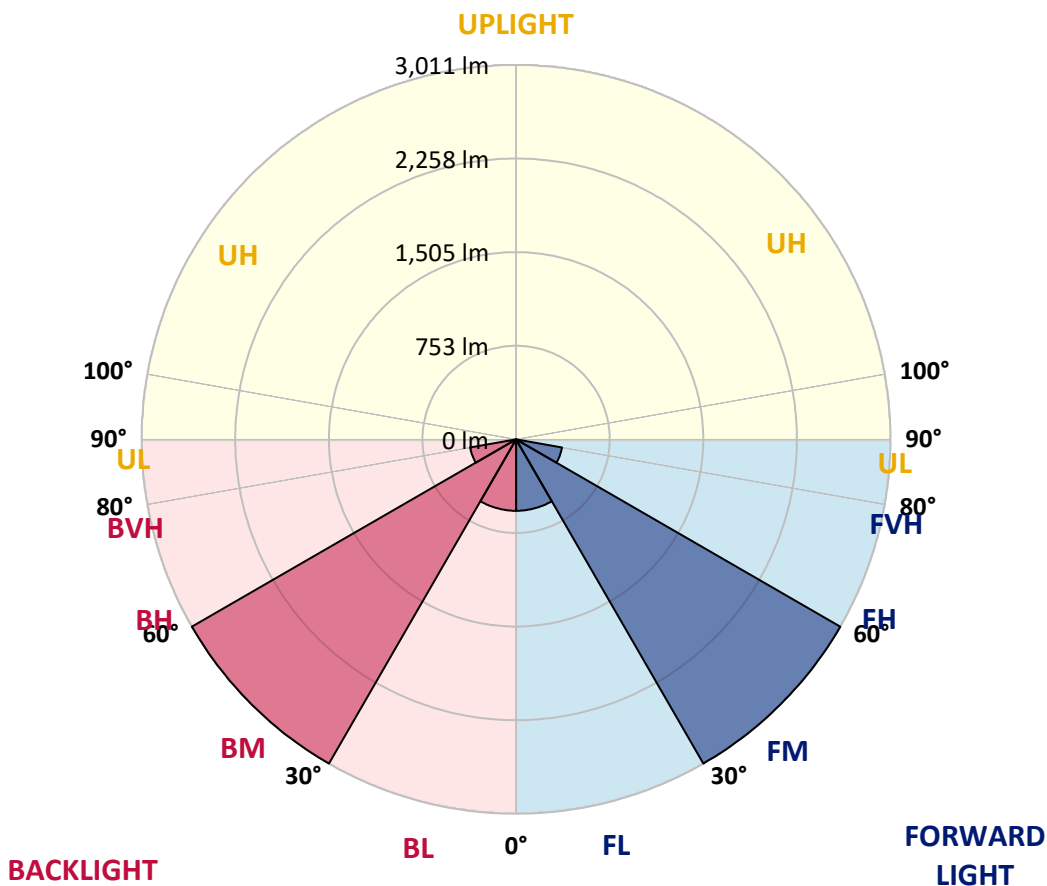
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	574.3	7.3			
FM (30°-60°)	3010.6	38.0			
FH (60°-80°)	374.9	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	574.3	7.3	B2/1000		
BM (30°-60°)	3010.6	38.0	B3/5000		
BH (60°-80°)	374.9	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: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1316.8	1316.8	1316.8	1316.8	1316.8	1316.8	1316.8	1316.8	1316.8	1316.8	1316.8
2.5°	1307.5	1306.6	1310.3	1313.1	1313.1	1319.6	1317.7	1315.9	1314.0	1311.2	1317.7
5°	1305.6	1304.7	1307.5	1309.4	1307.5	1313.1	1309.4	1305.6	1303.8	1300.1	1307.5
7.5°	1297.3	1298.2	1300.1	1301.9	1299.1	1303.8	1299.1	1293.6	1288.9	1285.2	1291.7
10°	1284.3	1285.2	1287.1	1290.8	1291.7	1298.2	1291.7	1281.5	1275.0	1269.4	1275.9
12.5°	1277.8	1278.7	1281.5	1286.1	1287.1	1295.4	1287.1	1272.2	1262.9	1256.4	1262.9
15°	1279.6	1281.5	1285.2	1290.8	1292.6	1301.0	1289.8	1270.3	1257.3	1249.0	1254.5
17.5°	1286.1	1288.0	1293.6	1302.8	1309.4	1317.7	1303.8	1278.7	1261.0	1249.0	1254.5
20°	1294.5	1297.3	1306.6	1321.4	1335.4	1350.2	1332.6	1298.2	1275.0	1260.1	1264.7
22.5°	1317.7	1320.5	1333.5	1353.0	1376.3	1394.8	1373.5	1329.8	1298.2	1278.7	1283.3
25°	1365.1	1367.9	1384.6	1409.7	1439.5	1463.6	1436.7	1381.8	1340.9	1318.6	1320.5
27.5°	1439.5	1442.2	1461.8	1497.1	1537.0	1571.4	1532.4	1468.3	1421.8	1395.8	1395.8
30°	1533.3	1537.0	1563.0	1610.4	1672.7	1718.2	1665.3	1587.2	1527.7	1492.4	1493.4
32.5°	1654.1	1650.4	1687.6	1752.6	1840.9	1901.3	1823.2	1728.5	1655.0	1605.8	1610.4
35°	1809.3	1808.4	1850.2	1938.5	2053.7	2126.2	2033.3	1910.6	1822.3	1772.1	1773.1
37.5°	2009.1	2008.2	2056.5	2152.2	2290.7	2351.1	2247.0	2122.5	2027.7	1979.4	1984.9
40°	2243.3	2237.7	2280.4	2372.4	2510.9	2549.9	2436.6	2336.2	2245.1	2214.5	2229.3
42.5°	2466.3	2454.2	2479.3	2563.0	2669.8	2675.4	2589.9	2521.1	2458.9	2434.7	2444.0
45°	2645.7	2636.4	2659.6	2707.9	2769.3	2741.4	2700.5	2679.1	2628.9	2602.9	2611.3
47.5°	2779.5	2779.5	2807.4	2837.1	2846.4	2795.3	2801.8	2801.8	2751.6	2710.7	2700.5
50°	2894.7	2903.1	2944.9	2975.6	2944.9	2879.8	2917.0	2909.6	2807.4	2725.6	2704.2
52.5°	3078.7	3087.1	3151.2	3193.0	3158.6	3094.5	3099.1	3006.2	2855.7	2759.0	2725.6
55°	3273.8	3294.3	3387.2	3498.7	3499.7	3433.7	3311.0	3146.5	2963.5	2858.5	2824.1
57.5°	3018.3	3046.2	3184.6	3453.2	3647.4	3601.9	3309.2	3020.2	2773.0	2629.9	2610.3
60°	2076.9	2125.3	2263.7	2630.8	3005.3	3022.9	2677.3	2352.9	2069.5	1892.9	1896.7
62.5°	877.2	926.5	1004.6	1306.6	1650.4	1671.8	1504.5	1272.2	1040.8	913.5	933.0
65°	206.3	220.2	243.5	361.5	524.1	548.3	505.5	394.0	290.9	246.3	250.9
67.5°	90.1	92.0	87.4	92.9	115.2	118.0	114.3	100.4	94.8	96.6	96.6
70°	63.2	64.1	60.4	57.6	54.8	51.1	53.0	58.5	63.2	66.9	66.0
72.5°	39.0	40.0	40.9	40.9	38.1	34.4	36.2	40.0	40.9	41.8	40.9
75°	19.5	20.4	22.3	23.2	22.3	21.4	21.4	22.3	22.3	21.4	21.4
77.5°	3.7	4.6	6.5	7.4	7.4	7.4	7.4	7.4	8.4	7.4	7.4
80°	0.9	0.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9
82.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
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)