

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: P635379

Luminaire Tested: GWS-SA3D-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-760-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9343.5 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

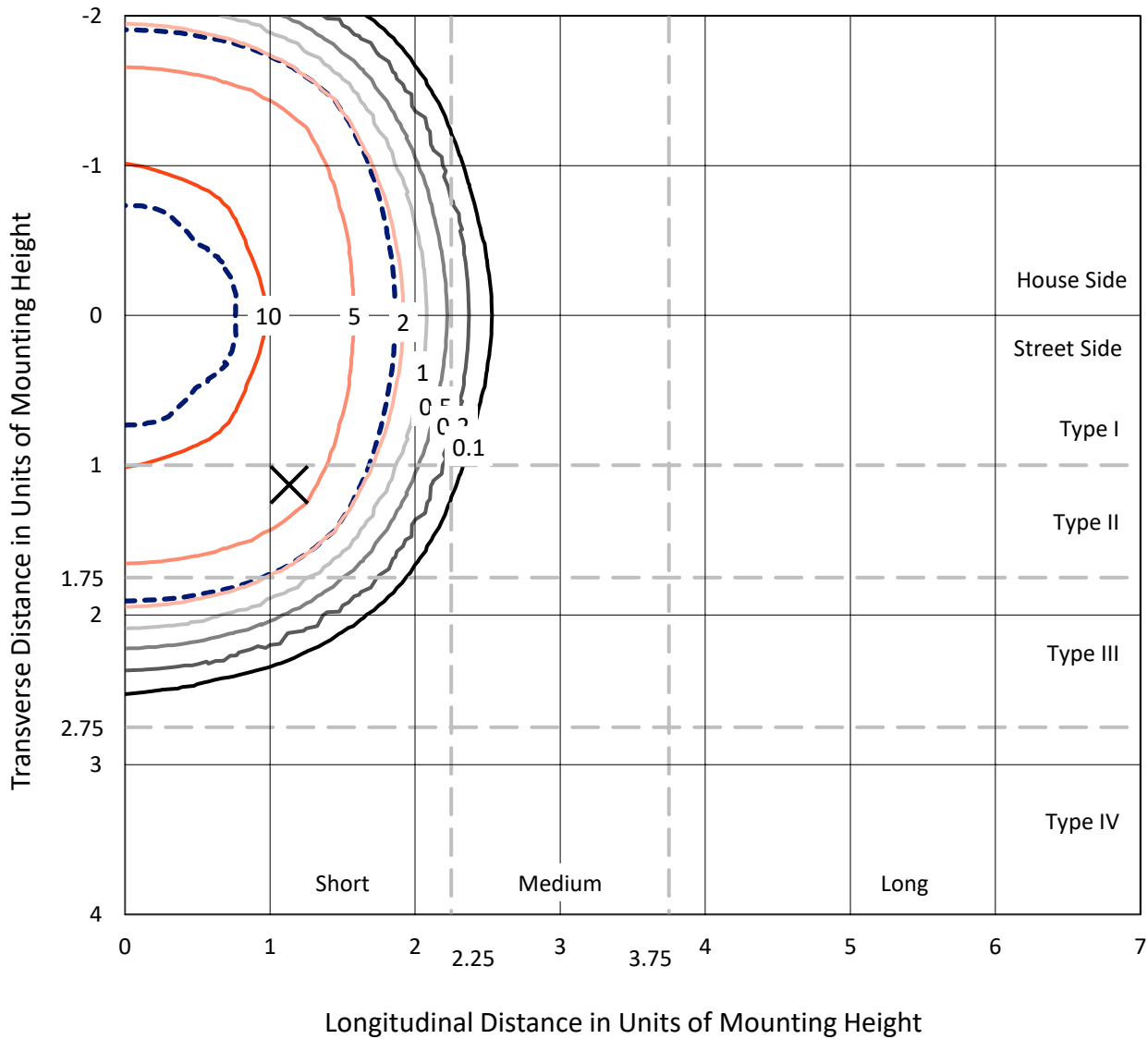
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

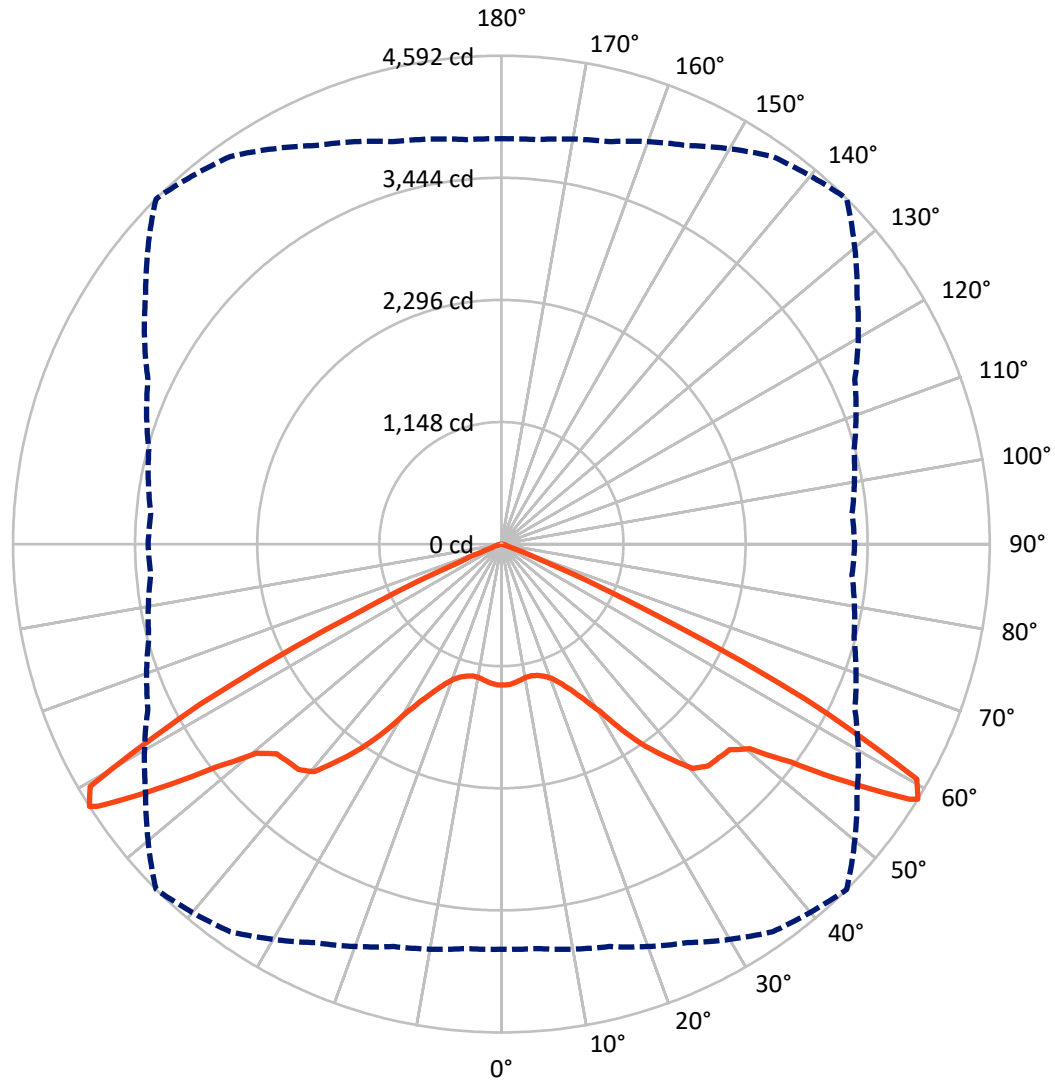
✕ Max cd
 - - - 1/2 Max cd



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 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4671.8	0.0	4671.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4671.8	0.0	4671.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9343.5	0.0	9343.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	1.3
10°-20°	365.8	3.9
20°-30°	691.8	7.4
30°-40°	1364.5	14.6
40°-50°	2159.2	23.1
50°-60°	3174.0	34.0
60°-70°	1416.7	15.2
70°-80°	47.5	0.5
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°	9343.5	100.0
0°-180°	9343.5	100.0

Coefficient of Utilization



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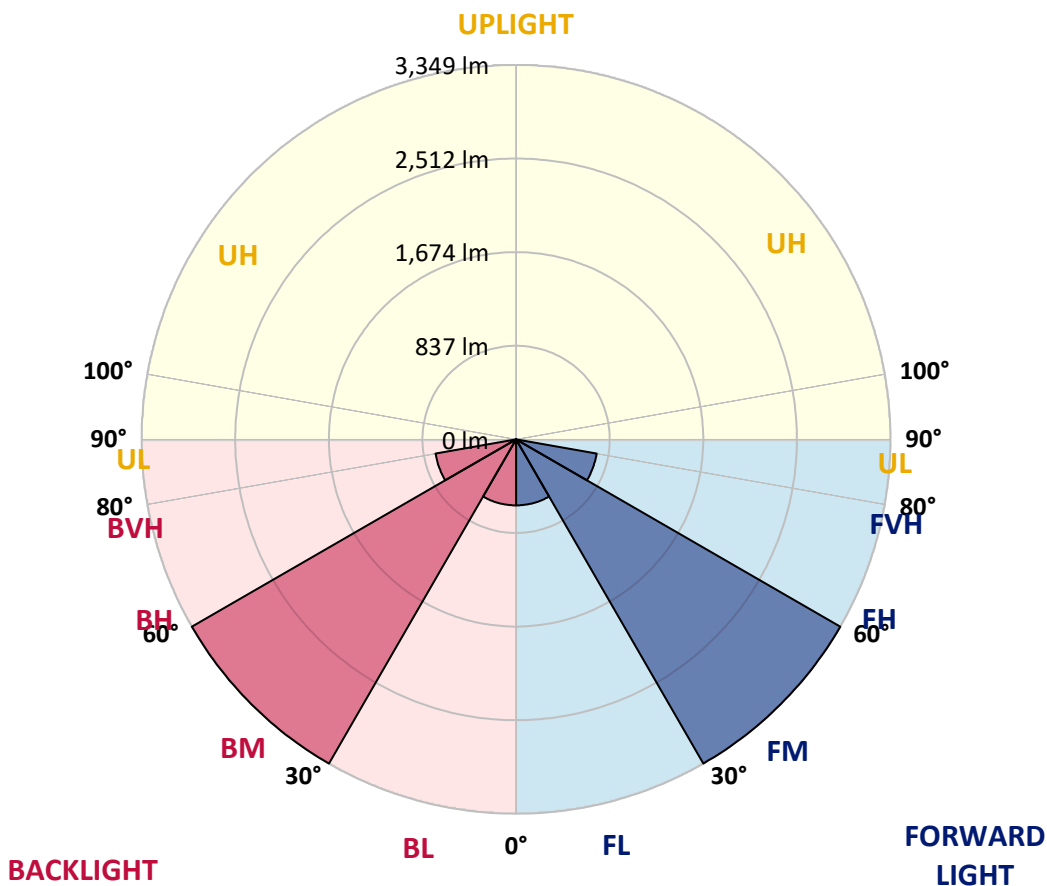
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	590.6	6.3			
FM (30°-60°)	3348.8	35.8			
FH (60°-80°)	732.1	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	590.6	6.3	B2/1000		
BM (30°-60°)	3348.8	35.8	B3/5000		
BH (60°-80°)	732.1	7.8	B2/1000		G1/1800
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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0
2.5°	1312.3	1314.8	1317.4	1318.7	1319.9	1323.8	1325.0	1321.2	1321.2	1313.6	1322.5
5°	1305.9	1308.5	1311.0	1309.8	1309.8	1309.8	1308.5	1303.4	1302.1	1294.5	1303.4
7.5°	1294.5	1297.0	1297.0	1293.2	1290.7	1290.7	1289.4	1283.0	1281.8	1274.1	1283.0
10°	1285.6	1286.8	1285.6	1277.9	1272.8	1272.8	1271.6	1269.0	1270.3	1265.2	1272.8
12.5°	1290.7	1291.9	1286.8	1276.7	1270.3	1269.0	1265.2	1261.4	1265.2	1263.9	1271.6
15°	1307.2	1308.5	1299.6	1286.8	1281.8	1281.8	1271.6	1261.4	1266.5	1267.8	1276.7
17.5°	1327.6	1327.6	1316.1	1304.7	1305.9	1305.9	1289.4	1271.6	1272.8	1277.9	1286.8
20°	1351.8	1351.8	1340.3	1337.8	1346.7	1347.9	1327.6	1299.6	1293.2	1297.0	1307.2
22.5°	1395.0	1395.0	1386.1	1392.5	1412.9	1419.2	1388.7	1349.2	1333.9	1336.5	1346.7
25°	1462.5	1462.5	1460.0	1475.2	1504.5	1518.5	1477.8	1425.6	1400.1	1396.3	1407.8
27.5°	1575.8	1577.1	1573.2	1596.1	1633.1	1649.6	1593.6	1524.9	1494.3	1488.0	1499.4
30°	1722.2	1722.2	1723.4	1755.3	1803.6	1825.3	1751.4	1671.2	1635.6	1615.2	1630.5
32.5°	1885.1	1887.6	1900.4	1953.8	2039.1	2083.6	1975.5	1863.4	1806.2	1784.5	1801.1
35°	2153.7	2129.5	2114.2	2153.7	2277.1	2335.7	2196.9	2065.8	2022.6	2020.0	2062.0
37.5°	2419.7	2405.7	2373.9	2414.6	2525.3	2552.1	2399.3	2289.9	2259.3	2275.8	2317.9
40°	2631.0	2605.5	2563.5	2601.7	2746.8	2773.5	2585.2	2477.0	2465.5	2502.4	2559.7
42.5°	2797.7	2762.1	2706.1	2715.0	2832.1	2851.2	2684.4	2603.0	2610.6	2656.4	2721.3
45°	2872.8	2844.8	2795.2	2791.4	2865.2	2866.4	2735.3	2693.3	2713.7	2749.3	2800.3
47.5°	2904.6	2891.9	2863.9	2857.5	2899.5	2889.4	2807.9	2790.1	2809.2	2819.4	2848.6
50°	2983.6	2983.6	2987.4	2992.5	3035.7	3025.6	2968.3	2947.9	2923.7	2888.1	2897.0
52.5°	3205.0	3213.9	3250.8	3291.6	3370.5	3403.6	3310.7	3192.3	3076.5	2998.8	2998.8
55°	3604.7	3613.6	3656.9	3725.6	3870.7	3949.6	3733.3	3472.3	3313.2	3207.6	3221.6
57.5°	3824.9	3835.1	3924.2	4110.0	4391.3	4525.0	4060.4	3673.4	3450.7	3329.8	3339.9
58°	3810.9	3817.3	3917.8	4135.5	4448.6	4592.4	4083.3	3667.1	3432.9	3309.4	3322.1
60°	3385.8	3376.9	3537.2	3847.8	4289.5	4488.1	3855.5	3347.6	3075.2	2949.2	2955.5
62.5°	2213.5	2218.6	2357.3	2681.9	3025.6	3212.7	2693.3	2315.3	2096.4	2020.0	2000.9
65°	924.1	907.5	992.8	1173.6	1379.8	1484.1	1275.4	1079.4	944.5	893.5	907.5
67.5°	238.0	231.7	236.7	296.6	362.8	428.9	360.2	274.9	239.3	241.8	241.8
70°	134.9	127.3	103.1	95.5	92.9	92.9	92.9	92.9	106.9	126.0	129.8
72.5°	101.8	95.5	75.1	64.9	57.3	53.5	56.0	64.9	77.6	94.2	96.7
75°	50.9	50.9	45.8	43.3	38.2	35.6	36.9	40.7	47.1	53.5	52.2
77.5°	10.2	11.5	12.7	15.3	12.7	12.7	12.7	15.3	15.3	16.5	15.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)