

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: P633784

Luminaire Tested: GWS-SA2F-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633784
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-SA2F-740-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8537.2 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

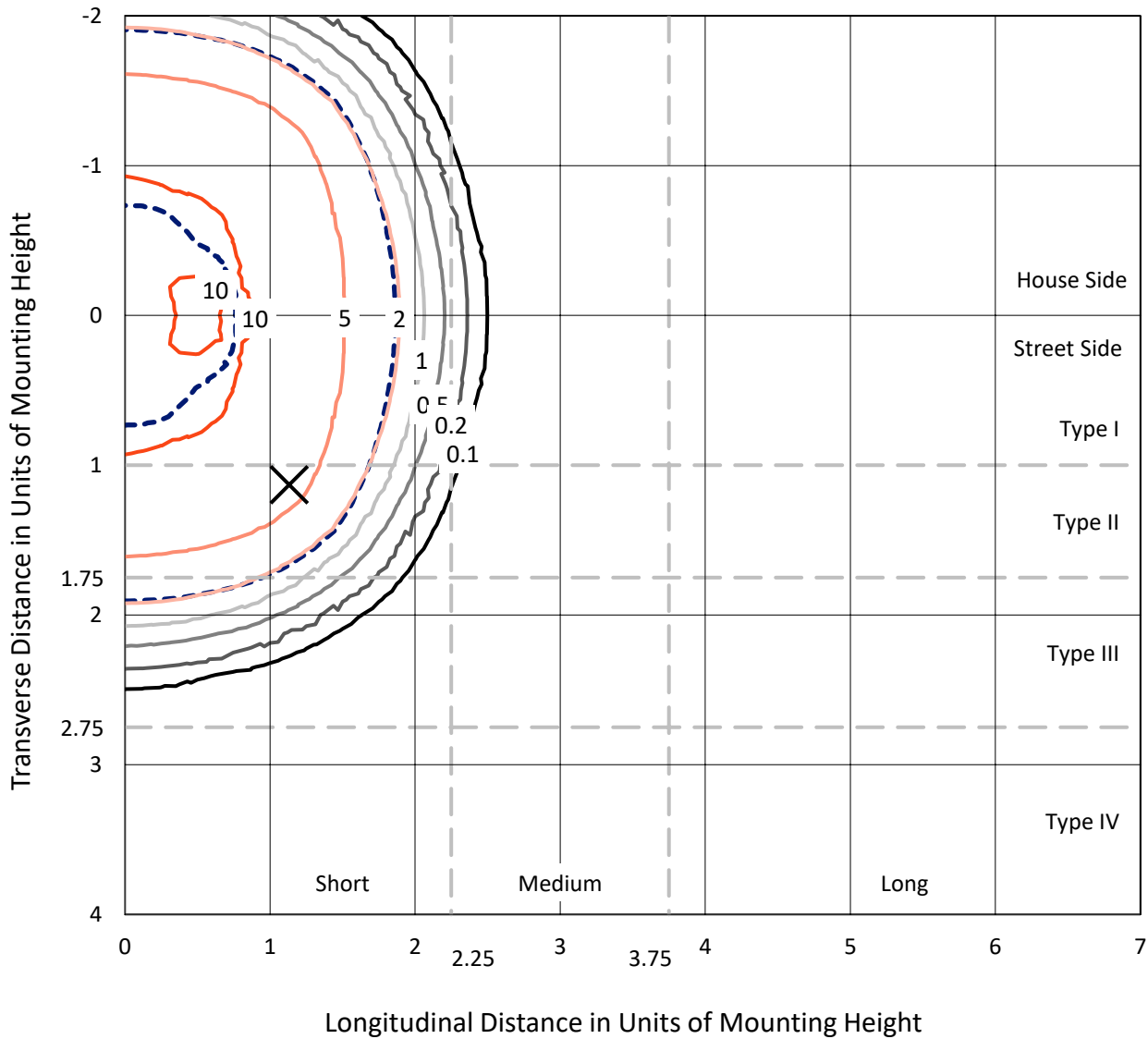
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

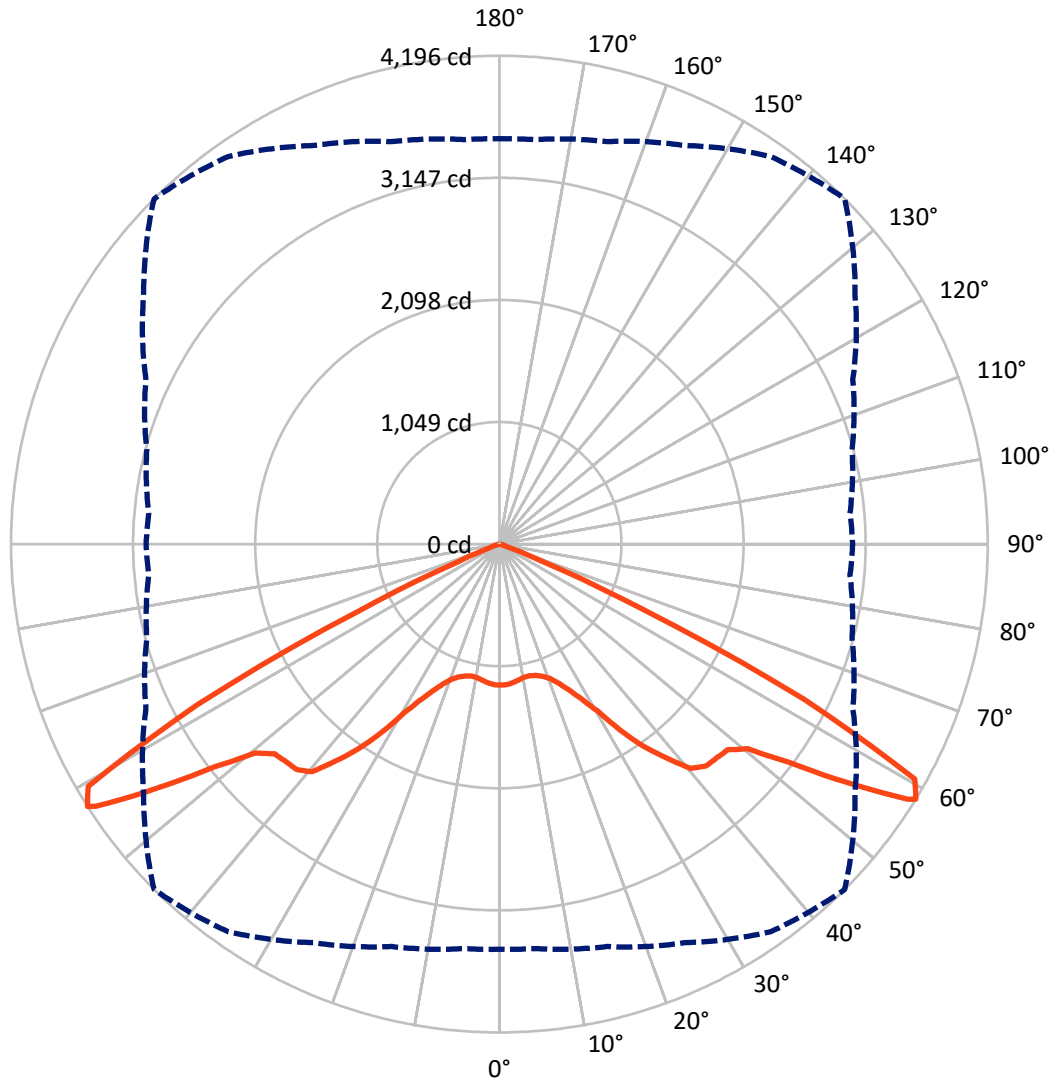


Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type V - Short - N/A

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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	4268.6	0.0	4268.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4268.6	0.0	4268.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	8537.2	0.0	8537.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	1.3
10°-20°	334.2	3.9
20°-30°	632.1	7.4
30°-40°	1246.7	14.6
40°-50°	1972.9	23.1
50°-60°	2900.1	34.0
60°-70°	1294.5	15.2
70°-80°	43.4	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°	8537.2	100.0
0°-180°	8537.2	100.0

Coefficient of Utilization



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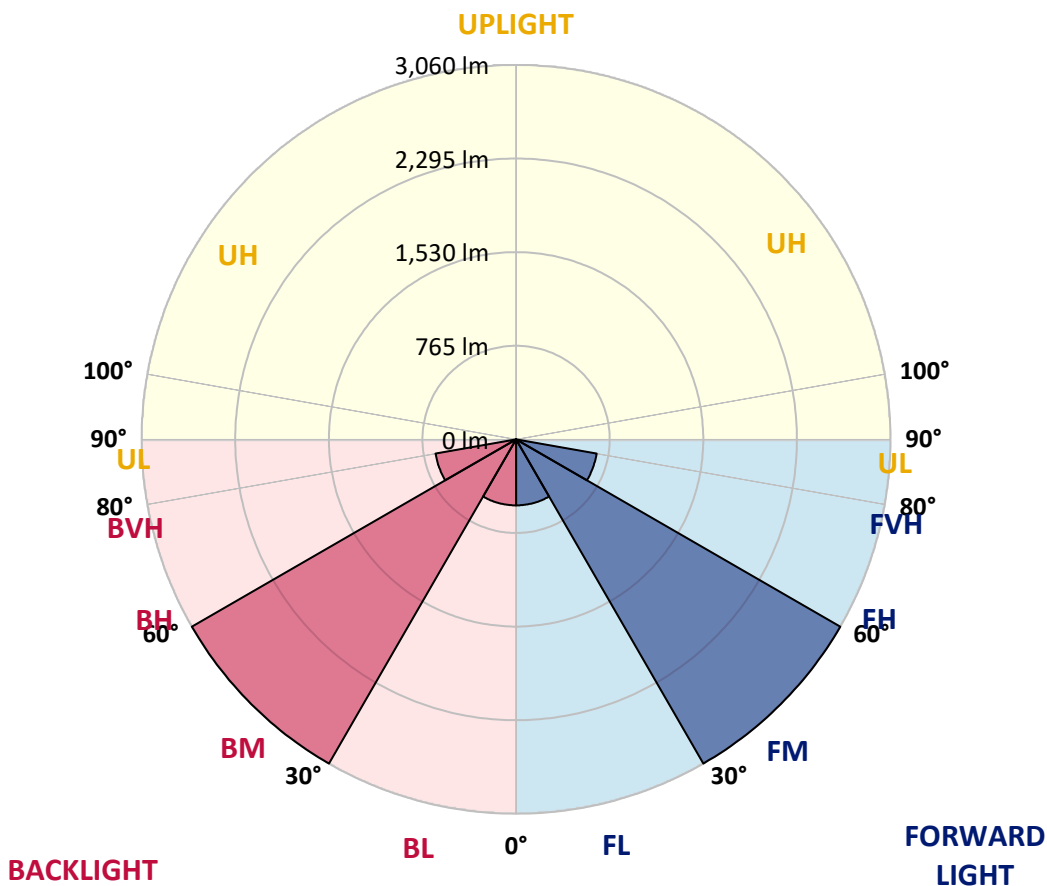
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	539.7	6.3			
FM (30°-60°)	3059.8	35.8			
FH (60°-80°)	668.9	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	539.7	6.3	B2/1000		
BM (30°-60°)	3059.8	35.8	B3/5000		
BH (60°-80°)	668.9	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°	1210.7	1210.7	1210.7	1210.7	1210.7	1210.7	1210.7	1210.7	1210.7	1210.7	1210.7
2.5°	1199.1	1201.4	1203.7	1204.9	1206.0	1209.5	1210.7	1207.2	1207.2	1200.2	1208.4
5°	1193.2	1195.6	1197.9	1196.7	1196.7	1196.7	1195.6	1190.9	1189.8	1182.8	1190.9
7.5°	1182.8	1185.1	1185.1	1181.6	1179.3	1179.3	1178.1	1172.3	1171.1	1164.2	1172.3
10°	1174.6	1175.8	1174.6	1167.7	1163.0	1163.0	1161.8	1159.5	1160.7	1156.0	1163.0
12.5°	1179.3	1180.5	1175.8	1166.5	1160.7	1159.5	1156.0	1152.5	1156.0	1154.9	1161.8
15°	1194.4	1195.6	1187.4	1175.8	1171.1	1171.1	1161.8	1152.5	1157.2	1158.4	1166.5
17.5°	1213.0	1213.0	1202.5	1192.1	1193.2	1193.2	1178.1	1161.8	1163.0	1167.7	1175.8
20°	1235.1	1235.1	1224.6	1222.3	1230.5	1231.6	1213.0	1187.4	1181.6	1185.1	1194.4
22.5°	1274.7	1274.7	1266.5	1272.3	1290.9	1296.8	1268.8	1232.8	1218.8	1221.2	1230.5
25°	1336.3	1336.3	1334.0	1347.9	1374.7	1387.5	1350.2	1302.6	1279.3	1275.8	1286.3
27.5°	1439.8	1441.0	1437.5	1458.4	1492.1	1507.3	1456.1	1393.3	1365.4	1359.6	1370.0
30°	1573.5	1573.5	1574.7	1603.8	1648.0	1667.7	1600.3	1527.0	1494.5	1475.9	1489.8
32.5°	1722.4	1724.7	1736.4	1785.2	1863.1	1903.8	1805.0	1702.6	1650.3	1630.5	1645.7
35°	1967.8	1945.7	1931.8	1967.8	2080.6	2134.1	2007.3	1887.6	1848.0	1845.7	1884.1
37.5°	2210.9	2198.1	2169.0	2206.2	2307.4	2331.8	2192.3	2092.2	2064.3	2079.5	2117.8
40°	2403.9	2380.7	2342.3	2377.2	2509.8	2534.2	2362.1	2263.2	2252.7	2286.5	2338.8
42.5°	2556.3	2523.7	2472.5	2480.7	2587.7	2605.1	2452.8	2378.3	2385.3	2427.2	2486.5
45°	2624.9	2599.3	2554.0	2550.5	2617.9	2619.1	2499.3	2460.9	2479.5	2512.1	2558.6
47.5°	2654.0	2642.3	2616.8	2610.9	2649.3	2640.0	2565.6	2549.3	2566.8	2576.1	2602.8
50°	2726.1	2726.1	2729.6	2734.2	2773.8	2764.5	2712.1	2693.5	2671.4	2638.9	2647.0
52.5°	2928.4	2936.6	2970.3	3007.5	3079.6	3109.9	3025.0	2916.8	2811.0	2740.0	2740.0
55°	3293.6	3301.8	3341.3	3404.1	3536.7	3608.8	3411.1	3172.7	3027.3	2930.8	2943.6
57.5°	3494.8	3504.1	3585.5	3755.3	4012.4	4134.5	3710.0	3356.4	3152.9	3042.4	3051.7
58°	3482.0	3487.9	3579.7	3778.6	4064.7	4196.1	3730.9	3350.6	3136.6	3023.8	3035.4
60°	3093.6	3085.5	3232.0	3515.8	3919.3	4100.8	3522.7	3058.7	2809.8	2694.7	2700.5
62.5°	2022.5	2027.1	2153.9	2450.5	2764.5	2935.4	2460.9	2115.5	1915.5	1845.7	1828.2
65°	844.3	829.2	907.1	1072.3	1260.7	1356.1	1165.3	986.2	863.0	816.4	829.2
67.5°	217.5	211.7	216.3	271.0	331.5	391.9	329.1	251.2	218.6	221.0	221.0
70°	123.3	116.3	94.2	87.2	84.9	84.9	84.9	84.9	97.7	115.1	118.6
72.5°	93.0	87.2	68.6	59.3	52.3	48.8	51.2	59.3	70.9	86.1	88.4
75°	46.5	46.5	41.9	39.5	34.9	32.6	33.7	37.2	43.0	48.8	47.7
77.5°	9.3	10.5	11.6	14.0	11.6	11.6	11.6	14.0	14.0	15.1	14.0
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
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)