

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: P634776

Luminaire Tested: GWS-SA3C-740-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14142 lumens
Efficiency: N/A
Efficacy: 152.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

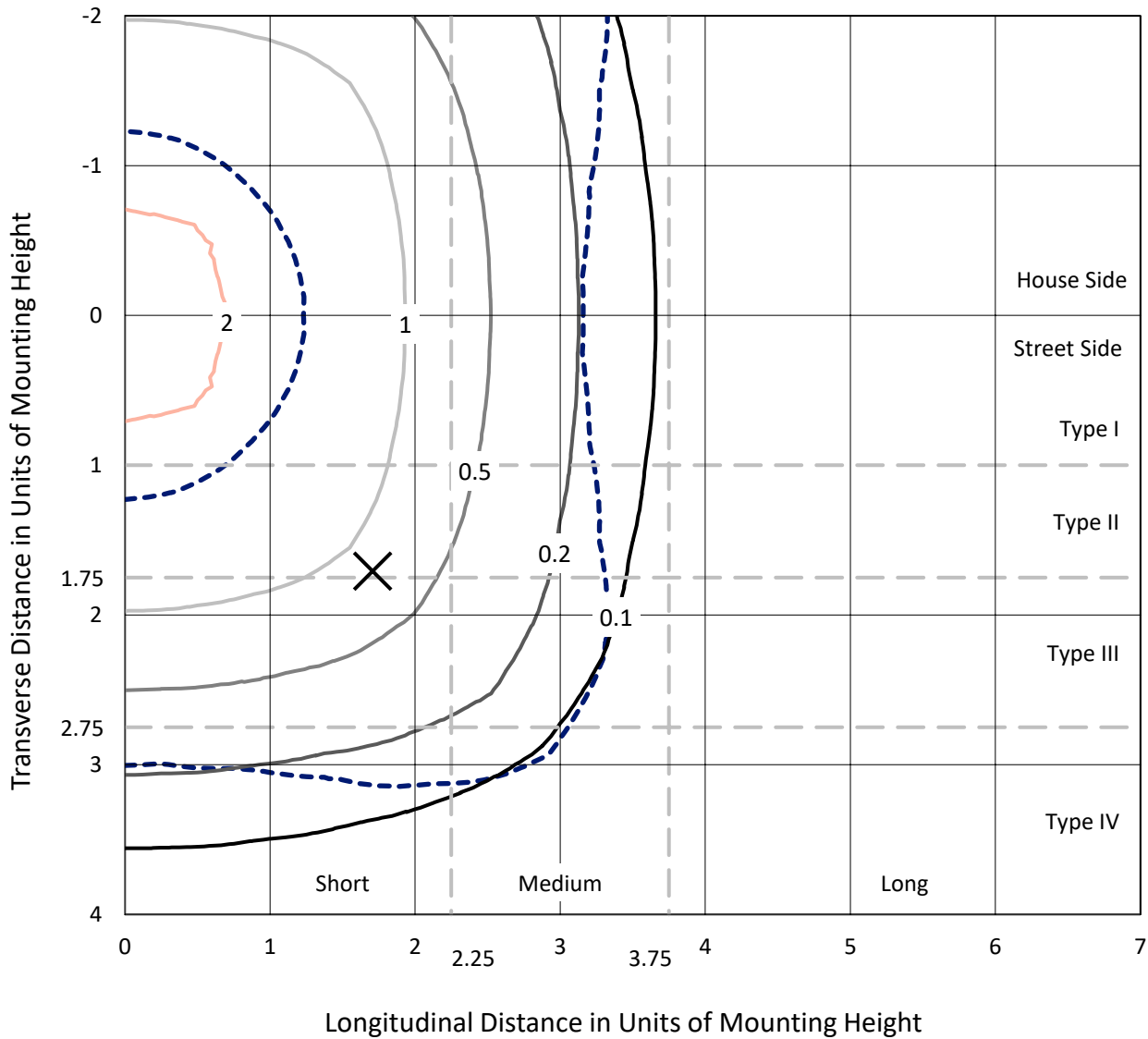
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

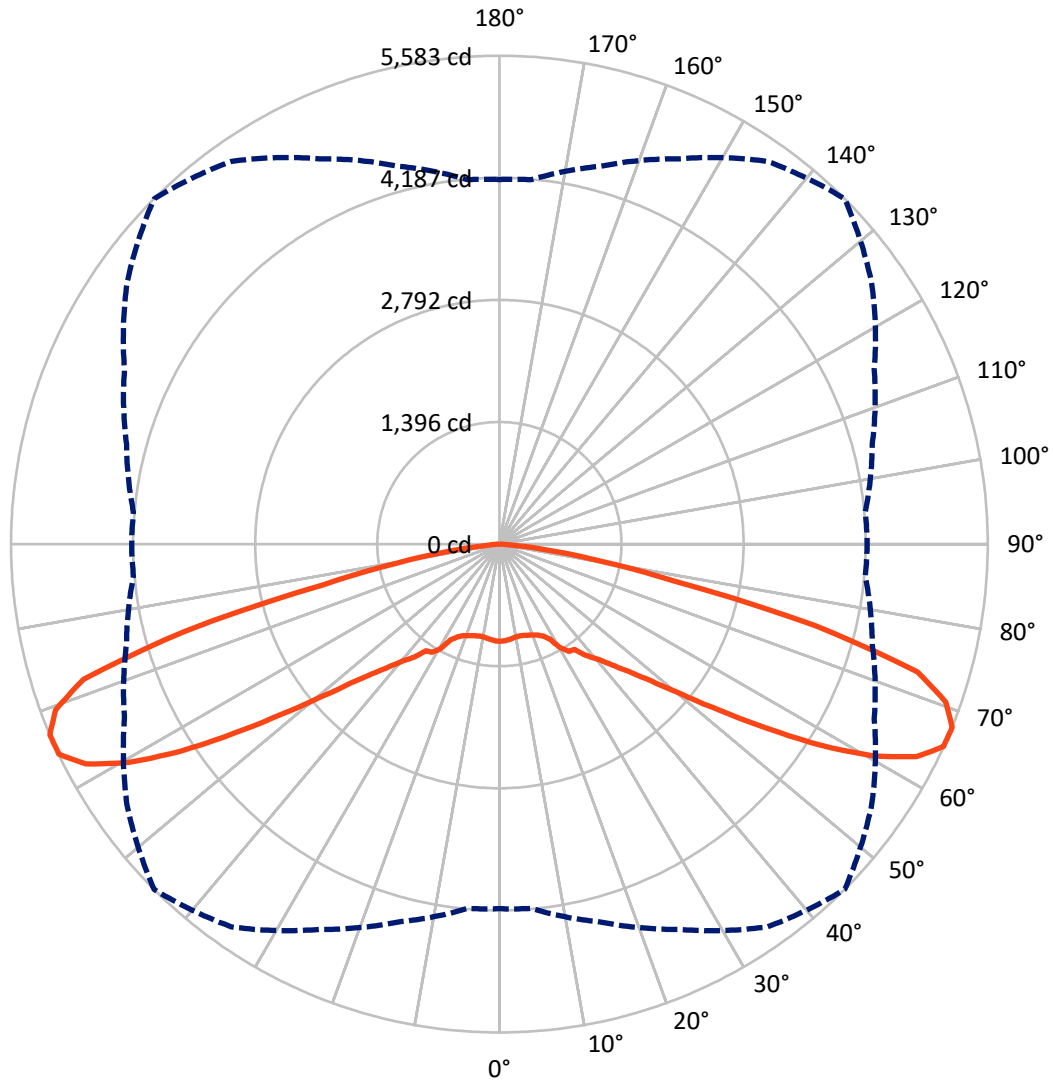
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7071.0	0.0	7071.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7071.0	0.0	7071.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14142.0	0.0	14142.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.1	0.7
10°-20°	309.0	2.2
20°-30°	554.3	3.9
30°-40°	936.4	6.6
40°-50°	1645.2	11.6
50°-60°	3173.8	22.4
60°-70°	4604.7	32.6
70°-80°	2634.6	18.6
80°-90°	179.8	1.3
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°	14142.0	100.0
0°-180°	14142.0	100.0

Coefficient of Utilization



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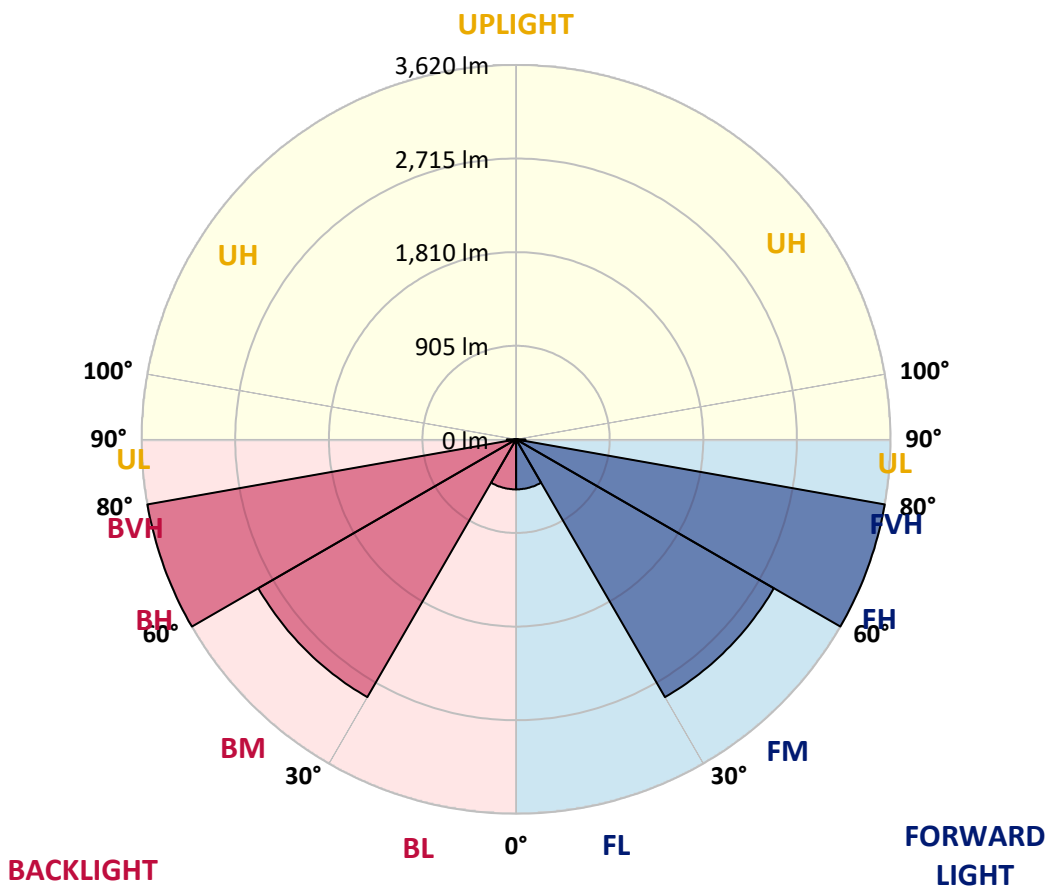
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	483.7	3.4			
FM (30°-60°)	2877.7	20.3			
FH (60°-80°)	3619.7	25.6			G2/5000
FVH (80°-90°)	89.9	0.6			G1/100
BL (0°-30°)	483.7	3.4	B1/500		
BM (30°-60°)	2877.7	20.3	B3/5000		
BH (60°-80°)	3619.7	25.6	B4/5000		G2/5000
BVH (80°-90°)	89.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0
2.5°	1100.0	1101.0	1103.0	1103.0	1105.0	1108.0	1109.0	1107.0	1108.0	1103.0	1108.0
5°	1097.0	1098.0	1099.0	1097.0	1097.0	1098.0	1098.0	1096.0	1097.0	1092.0	1097.0
7.5°	1090.0	1091.0	1091.0	1088.0	1085.0	1087.0	1087.0	1085.0	1086.0	1081.0	1087.0
10°	1084.0	1084.0	1083.0	1077.0	1074.0	1077.0	1078.0	1079.0	1083.0	1079.0	1086.0
12.5°	1088.0	1088.0	1085.0	1077.0	1072.0	1074.0	1076.0	1078.0	1085.0	1084.0	1092.0
15°	1099.0	1100.0	1092.0	1083.0	1080.0	1083.0	1081.0	1080.0	1089.0	1092.0	1101.0
17.5°	1108.0	1108.0	1098.0	1089.0	1090.0	1095.0	1091.0	1086.0	1095.0	1101.0	1111.0
20°	1116.0	1115.0	1104.0	1098.0	1102.0	1109.0	1106.0	1099.0	1105.0	1112.0	1121.0
22.5°	1136.0	1135.0	1123.0	1120.0	1124.0	1131.0	1128.0	1122.0	1129.0	1139.0	1150.0
25°	1193.0	1191.0	1173.0	1163.0	1161.0	1166.0	1165.0	1163.0	1174.0	1186.0	1199.0
27.5°	1269.0	1268.0	1255.0	1245.0	1232.0	1228.0	1231.0	1240.0	1256.0	1265.0	1276.0
30°	1307.0	1307.0	1305.0	1321.0	1349.0	1376.0	1355.0	1321.0	1307.0	1303.0	1314.0
32.5°	1357.0	1362.0	1355.0	1373.0	1420.0	1460.0	1420.0	1365.0	1355.0	1355.0	1367.0
35°	1472.0	1474.0	1463.0	1460.0	1475.0	1480.0	1461.0	1441.0	1452.0	1454.0	1469.0
37.5°	1564.0	1564.0	1559.0	1567.0	1598.0	1617.0	1586.0	1550.0	1553.0	1555.0	1574.0
40°	1706.0	1710.0	1698.0	1697.0	1709.0	1726.0	1693.0	1670.0	1686.0	1691.0	1720.0
42.5°	1883.0	1883.0	1865.0	1860.0	1868.0	1886.0	1855.0	1840.0	1861.0	1865.0	1882.0
45°	2094.0	2099.0	2075.0	2066.0	2070.0	2076.0	2054.0	2047.0	2067.0	2076.0	2106.0
47.5°	2351.0	2356.0	2335.0	2334.0	2330.0	2334.0	2313.0	2309.0	2325.0	2318.0	2350.0
50°	2668.1	2677.1	2659.1	2684.1	2681.1	2693.1	2664.1	2643.1	2643.1	2624.1	2642.1
52.5°	3023.1	3041.1	3050.1	3092.1	3124.1	3154.1	3106.1	3073.1	3025.1	2986.1	3035.1
55°	3410.1	3405.1	3462.1	3554.1	3648.1	3719.1	3625.1	3521.1	3443.1	3362.1	3381.1
57.5°	3749.1	3766.1	3841.1	4009.1	4195.1	4345.1	4176.1	3976.1	3799.1	3683.1	3699.1
60°	4031.1	4045.1	4145.1	4387.1	4712.1	4919.1	4651.1	4321.1	4064.1	3904.1	3921.1
62.5°	4291.1	4304.1	4405.1	4672.1	5082.1	5352.1	5006.1	4555.1	4269.1	4108.1	4118.1
65°	4441.1	4449.1	4587.1	4868.1	5300.1	5579.1	5189.1	4724.1	4443.1	4279.1	4285.1
67.5°	4168.1	4181.1	4472.1	4860.1	5342.1	5583.1	5197.1	4729.1	4413.1	4199.1	4204.1
70°	3288.1	3277.1	3624.1	4291.1	5101.1	5415.1	4966.1	4374.1	3886.1	3587.1	3582.1
72.5°	2507.0	2510.0	2703.1	3160.1	4159.1	4997.1	4382.1	3522.1	2996.1	2769.1	2760.1
75°	1818.0	1846.0	2003.0	2338.0	2909.1	3735.1	3299.1	2610.1	2258.0	2122.0	2102.0
77.5°	819.0	855.0	1074.0	1468.0	1945.0	2064.0	2072.0	1772.0	1337.0	1111.0	1076.0
80°	239.0	256.0	329.0	563.0	906.0	1171.0	930.0	782.0	487.0	382.0	364.0
82.5°	101.0	115.0	141.0	156.0	263.0	543.0	338.0	215.0	200.0	162.0	148.0
85°	43.0	46.0	59.0	63.0	85.0	116.0	107.0	97.0	93.0	72.0	66.0
87.5°	18.0	18.0	18.0	16.0	15.0	16.0	22.0	28.0	37.0	29.0	27.0
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)