

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: P634886

Luminaire Tested: GWS-SA3C-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634886
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-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14267.8 lumens
Efficiency: N/A
Efficacy: 153.4 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

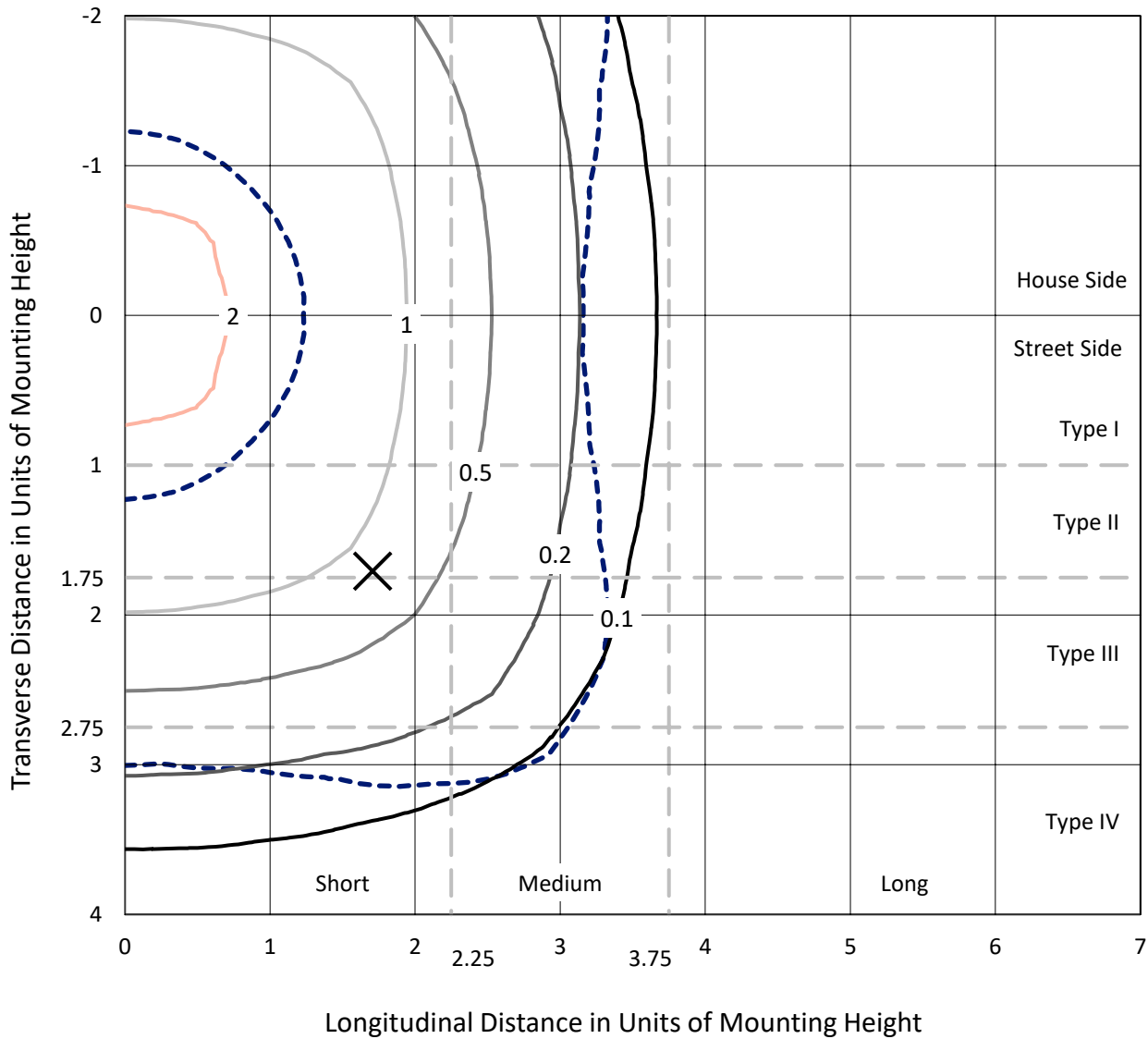
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

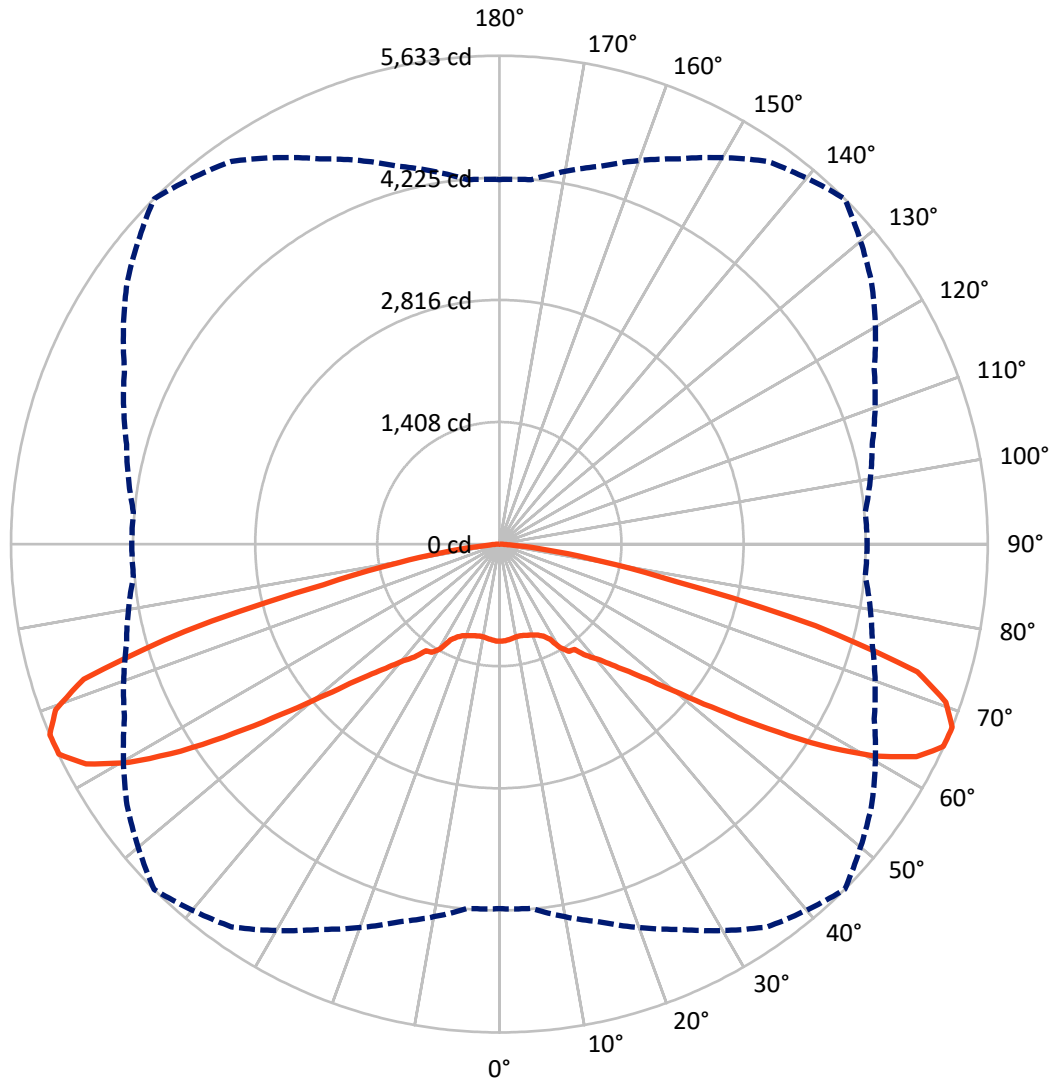
✕ Max cd
 - - - 1/2 Max cd



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	7133.9	0.0	7133.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7133.9	0.0	7133.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	14267.8	0.0	14267.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.1	0.7
10°-20°	311.8	2.2
20°-30°	559.3	3.9
30°-40°	944.7	6.6
40°-50°	1659.9	11.6
50°-60°	3202.0	22.4
60°-70°	4645.7	32.6
70°-80°	2658.0	18.6
80°-90°	181.4	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°	14267.8	100.0
0°-180°	14267.8	100.0

Coefficient of Utilization



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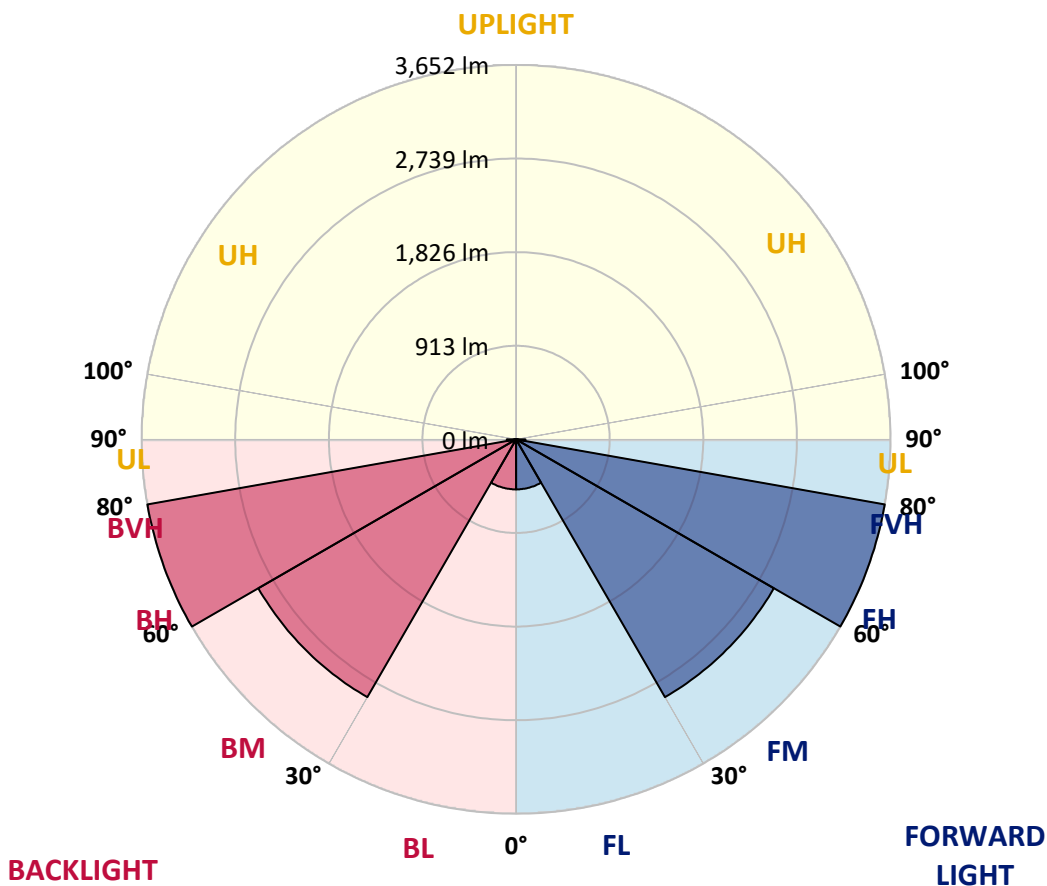
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	488.0	3.4			
FM (30°-60°)	2903.3	20.3			
FH (60°-80°)	3651.9	25.6			G2/5000
FVH (80°-90°)	90.7	0.6			G1/100
BL (0°-30°)	488.0	3.4	B1/500		
BM (30°-60°)	2903.3	20.3	B3/5000		
BH (60°-80°)	3651.9	25.6	B4/5000		G2/5000
BVH (80°-90°)	90.7	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°	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9
2.5°	1109.8	1110.8	1112.8	1112.8	1114.9	1117.9	1118.9	1116.9	1117.9	1112.8	1117.9
5°	1106.8	1107.8	1108.8	1106.8	1106.8	1107.8	1107.8	1105.8	1106.8	1101.7	1106.8
7.5°	1099.7	1100.7	1100.7	1097.7	1094.7	1096.7	1096.7	1094.7	1095.7	1090.6	1096.7
10°	1093.7	1093.7	1092.7	1086.6	1083.6	1086.6	1087.6	1088.6	1092.7	1088.6	1095.7
12.5°	1097.7	1097.7	1094.7	1086.6	1081.6	1083.6	1085.6	1087.6	1094.7	1093.7	1101.7
15°	1108.8	1109.8	1101.7	1092.7	1089.6	1092.7	1090.6	1089.6	1098.7	1101.7	1110.8
17.5°	1117.9	1117.9	1107.8	1098.7	1099.7	1104.8	1100.7	1095.7	1104.8	1110.8	1120.9
20°	1125.9	1124.9	1113.8	1107.8	1111.8	1118.9	1115.9	1108.8	1114.9	1121.9	1131.0
22.5°	1146.1	1145.1	1133.0	1130.0	1134.0	1141.1	1138.1	1132.0	1139.1	1149.2	1160.3
25°	1203.6	1201.6	1183.5	1173.4	1171.4	1176.4	1175.4	1173.4	1184.5	1196.6	1209.7
27.5°	1280.3	1279.3	1266.2	1256.1	1243.0	1238.9	1242.0	1251.1	1267.2	1276.3	1287.4
30°	1318.7	1318.7	1316.6	1332.8	1361.0	1388.3	1367.1	1332.8	1318.7	1314.6	1325.7
32.5°	1369.1	1374.1	1367.1	1385.2	1432.7	1473.0	1432.7	1377.2	1367.1	1367.1	1379.2
35°	1485.1	1487.1	1476.0	1473.0	1488.1	1493.2	1474.0	1453.8	1464.9	1467.0	1482.1
37.5°	1577.9	1577.9	1572.9	1581.0	1612.2	1631.4	1600.1	1563.8	1566.8	1568.9	1588.0
40°	1721.2	1725.2	1713.1	1712.1	1724.2	1741.4	1708.1	1684.9	1701.0	1706.1	1735.3
42.5°	1899.8	1899.8	1881.6	1876.6	1884.7	1902.8	1871.5	1856.4	1877.6	1881.6	1898.8
45°	2112.7	2117.7	2093.5	2084.4	2088.5	2094.5	2072.3	2065.2	2085.4	2094.5	2124.8
47.5°	2372.0	2377.0	2355.8	2354.8	2350.8	2354.8	2333.6	2329.6	2345.7	2338.7	2371.0
50°	2691.8	2700.9	2682.7	2707.9	2704.9	2717.0	2687.7	2666.6	2666.6	2647.4	2665.6
52.5°	3050.0	3068.1	3077.2	3119.6	3151.9	3182.1	3133.7	3100.4	3052.0	3012.6	3062.1
55°	3440.4	3435.4	3492.9	3585.7	3680.5	3752.2	3657.3	3552.4	3473.7	3392.0	3411.1
57.5°	3782.4	3799.6	3875.2	4044.7	4232.4	4383.7	4213.2	4011.4	3832.9	3715.8	3732.0
60°	4066.9	4081.1	4182.0	4426.1	4754.0	4962.9	4692.5	4359.5	4100.2	3938.8	3956.0
62.5°	4329.3	4342.4	4444.3	4713.7	5127.3	5399.7	5050.6	4595.6	4307.1	4144.6	4154.7
65°	4480.6	4488.7	4627.9	4911.4	5347.2	5628.7	5235.3	4766.1	4482.6	4317.1	4323.2
67.5°	4205.2	4218.3	4511.9	4903.3	5389.6	5632.8	5243.3	4771.2	4452.3	4236.4	4241.5
70°	3317.3	3306.2	3656.3	4329.3	5146.5	5463.3	5010.3	4413.0	3920.6	3619.0	3613.9
72.5°	2529.3	2532.4	2727.1	3188.2	4196.1	5041.5	4421.1	3553.4	3022.7	2793.7	2784.6
75°	1834.2	1862.5	2020.9	2358.8	2934.9	3768.3	3328.4	2633.3	2278.1	2140.9	2120.7
77.5°	826.3	862.6	1083.6	1481.1	1962.3	2082.4	2090.5	1787.8	1348.9	1120.9	1085.6
80°	241.1	258.3	331.9	568.0	914.1	1181.4	938.3	789.0	491.3	385.4	367.2
82.5°	101.9	116.0	142.3	157.4	265.3	547.8	341.0	216.9	201.8	163.4	149.3
85°	43.4	46.4	59.5	63.6	85.8	117.0	108.0	97.9	93.8	72.6	66.6
87.5°	18.2	18.2	18.2	16.1	15.1	16.1	22.2	28.2	37.3	29.3	27.2
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)