

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: P634721

Luminaire Tested: GWS-SA3C-735-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634721
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-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13948.2 lumens
Efficiency: N/A
Efficacy: 150.0 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

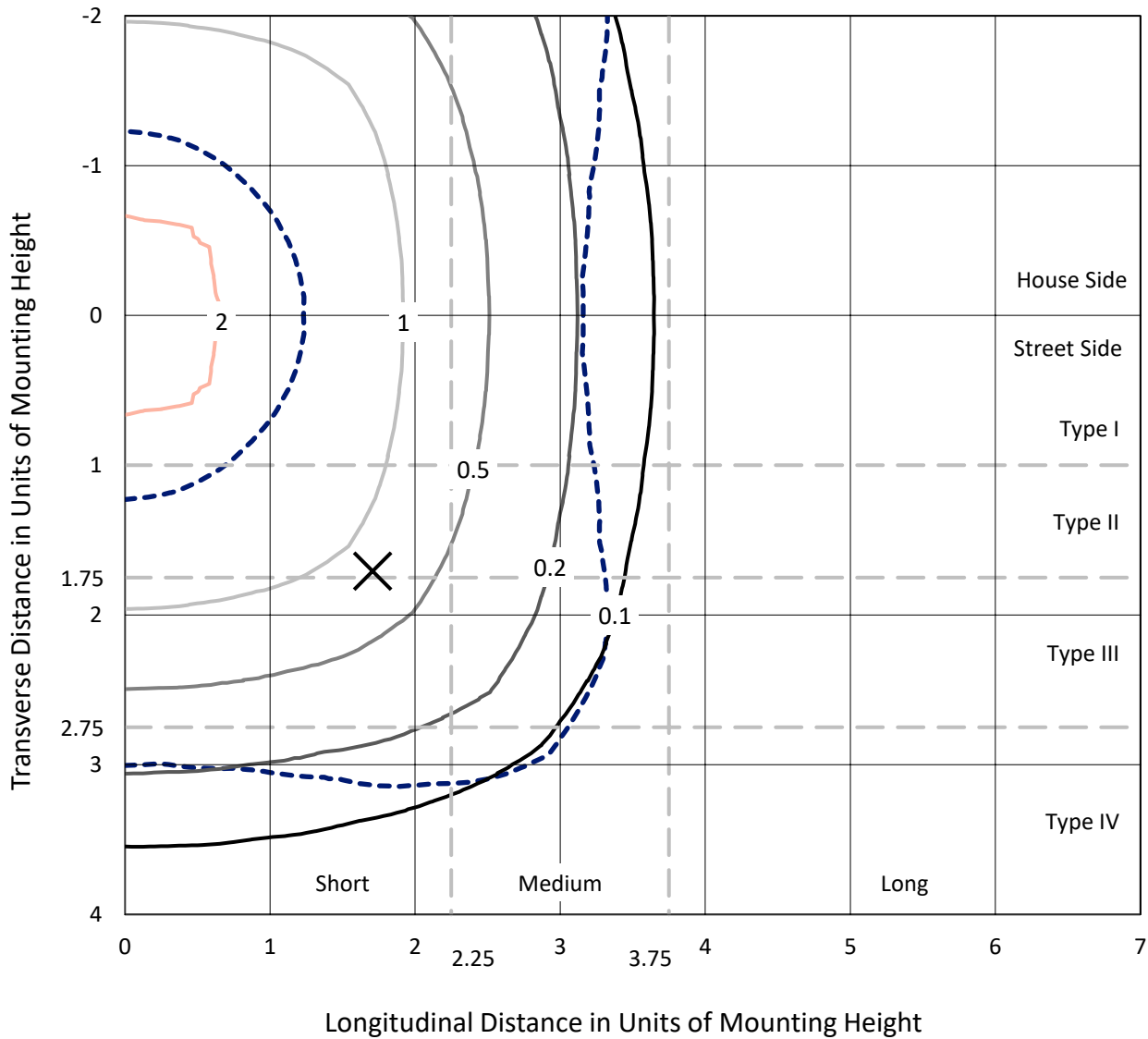
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

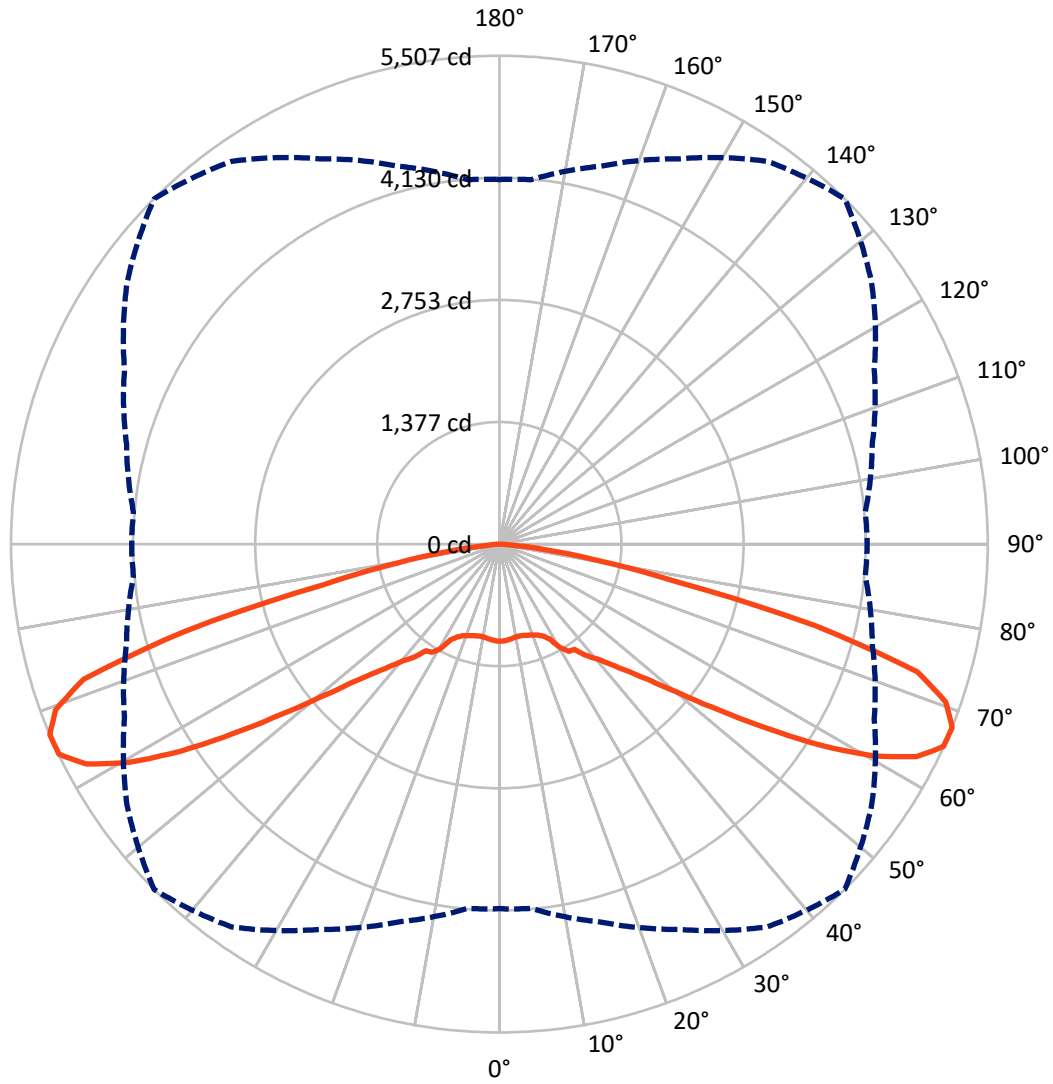
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.7 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	6974.1	0.0	6974.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6974.1	0.0	6974.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	13948.2	0.0	13948.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	0.7
10°-20°	304.8	2.2
20°-30°	546.7	3.9
30°-40°	923.6	6.6
40°-50°	1622.7	11.6
50°-60°	3130.3	22.4
60°-70°	4541.6	32.6
70°-80°	2598.5	18.6
80°-90°	177.4	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°	13948.2	100.0
0°-180°	13948.2	100.0

Coefficient of Utilization



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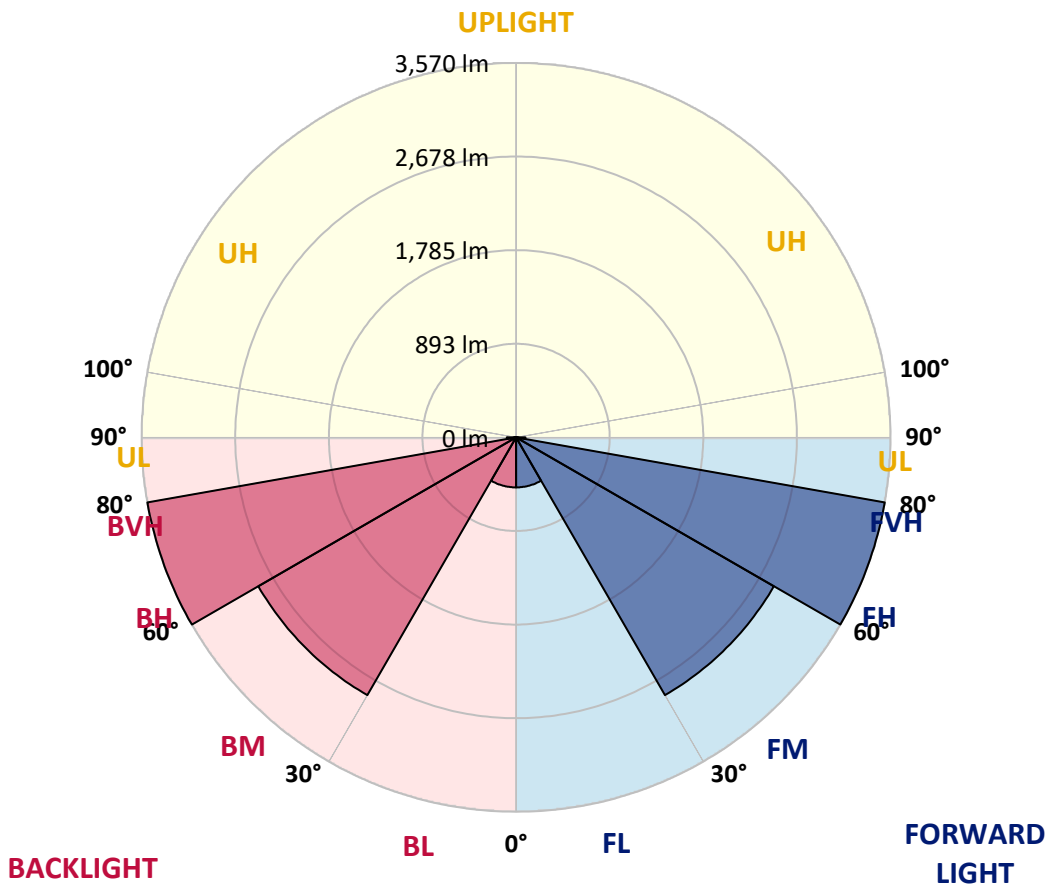
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	477.1	3.4			
FM (30°-60°)	2838.3	20.3			
FH (60°-80°)	3570.1	25.6			G2/5000
FVH (80°-90°)	88.7	0.6			G1/100
BL (0°-30°)	477.1	3.4	B1/500		
BM (30°-60°)	2838.3	20.3	B3/5000		
BH (60°-80°)	3570.1	25.6	B4/5000		G2/5000
BVH (80°-90°)	88.7	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°	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8
2.5°	1084.9	1085.9	1087.9	1087.9	1089.9	1092.8	1093.8	1091.9	1092.8	1087.9	1092.8
5°	1082.0	1083.0	1084.0	1082.0	1082.0	1083.0	1083.0	1081.0	1082.0	1077.1	1082.0
7.5°	1075.1	1076.1	1076.1	1073.1	1070.2	1072.1	1072.1	1070.2	1071.1	1066.2	1072.1
10°	1069.2	1069.2	1068.2	1062.3	1059.3	1062.3	1063.2	1064.2	1068.2	1064.2	1071.1
12.5°	1073.1	1073.1	1070.2	1062.3	1057.3	1059.3	1061.3	1063.2	1070.2	1069.2	1077.1
15°	1084.0	1084.9	1077.1	1068.2	1065.2	1068.2	1066.2	1065.2	1074.1	1077.1	1085.9
17.5°	1092.8	1092.8	1083.0	1074.1	1075.1	1080.0	1076.1	1071.1	1080.0	1085.9	1095.8
20°	1100.7	1099.7	1088.9	1083.0	1086.9	1093.8	1090.9	1084.0	1089.9	1096.8	1105.7
22.5°	1120.5	1119.5	1107.6	1104.7	1108.6	1115.5	1112.6	1106.6	1113.5	1123.4	1134.3
25°	1176.7	1174.7	1156.9	1147.1	1145.1	1150.0	1149.1	1147.1	1157.9	1169.8	1182.6
27.5°	1251.6	1250.6	1237.8	1228.0	1215.1	1211.2	1214.2	1223.0	1238.8	1247.7	1258.5
30°	1289.1	1289.1	1287.1	1302.9	1330.5	1357.2	1336.5	1302.9	1289.1	1285.2	1296.0
32.5°	1338.4	1343.4	1336.5	1354.2	1400.6	1440.0	1400.6	1346.3	1336.5	1336.5	1348.3
35°	1451.9	1453.8	1443.0	1440.0	1454.8	1459.7	1441.0	1421.3	1432.1	1434.1	1448.9
37.5°	1542.6	1542.6	1537.7	1545.6	1576.1	1594.9	1564.3	1528.8	1531.7	1533.7	1552.5
40°	1682.7	1686.6	1674.8	1673.8	1685.6	1702.4	1669.8	1647.1	1662.9	1667.9	1696.5
42.5°	1857.2	1857.2	1839.5	1834.5	1842.4	1860.2	1829.6	1814.8	1835.5	1839.5	1856.2
45°	2065.3	2070.3	2046.6	2037.7	2041.7	2047.6	2025.9	2019.0	2038.7	2047.6	2077.2
47.5°	2318.8	2323.8	2303.0	2302.1	2298.1	2302.1	2281.3	2277.4	2293.2	2286.3	2317.8
50°	2631.5	2640.4	2622.6	2647.3	2644.3	2656.1	2627.5	2606.8	2606.8	2588.1	2605.8
52.5°	2981.6	2999.4	3008.3	3049.7	3081.2	3110.8	3063.5	3030.9	2983.6	2945.1	2993.5
55°	3363.3	3358.4	3414.6	3505.4	3598.1	3668.1	3575.4	3472.8	3395.9	3316.0	3334.7
57.5°	3697.7	3714.5	3788.4	3954.1	4137.6	4285.5	4118.9	3921.6	3747.0	3632.6	3648.4
60°	3975.8	3989.6	4088.3	4327.0	4647.5	4851.7	4587.4	4261.9	4008.4	3850.6	3867.3
62.5°	4232.3	4245.1	4344.7	4608.1	5012.5	5278.8	4937.5	4492.7	4210.6	4051.8	4061.6
65°	4380.2	4388.1	4524.2	4801.4	5227.5	5502.7	5118.0	4659.4	4382.2	4220.4	4226.4
67.5°	4111.0	4123.8	4410.8	4793.5	5268.9	5506.6	5125.9	4664.3	4352.6	4141.5	4146.5
70°	3243.0	3232.2	3574.4	4232.3	5031.2	5340.9	4898.0	4314.1	3832.8	3537.9	3533.0
72.5°	2472.7	2475.7	2666.0	3116.8	4102.1	4928.6	4322.0	3473.8	2955.0	2731.1	2722.2
75°	1793.1	1820.7	1975.6	2306.0	2869.2	3683.9	3253.9	2574.3	2227.1	2093.0	2073.2
77.5°	807.8	843.3	1059.3	1447.9	1918.4	2035.8	2043.6	1747.8	1318.7	1095.8	1061.3
80°	235.7	252.5	324.5	555.3	893.6	1155.0	917.3	771.3	480.3	376.8	359.0
82.5°	99.6	113.4	139.1	153.9	259.4	535.6	333.4	212.1	197.3	159.8	146.0
85°	42.4	45.4	58.2	62.1	83.8	114.4	105.5	95.7	91.7	71.0	65.1
87.5°	17.8	17.8	17.8	15.8	14.8	15.8	21.7	27.6	36.5	28.6	26.6
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)