

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: P629769

Luminaire Tested: GWS-SA1C-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4297.7 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

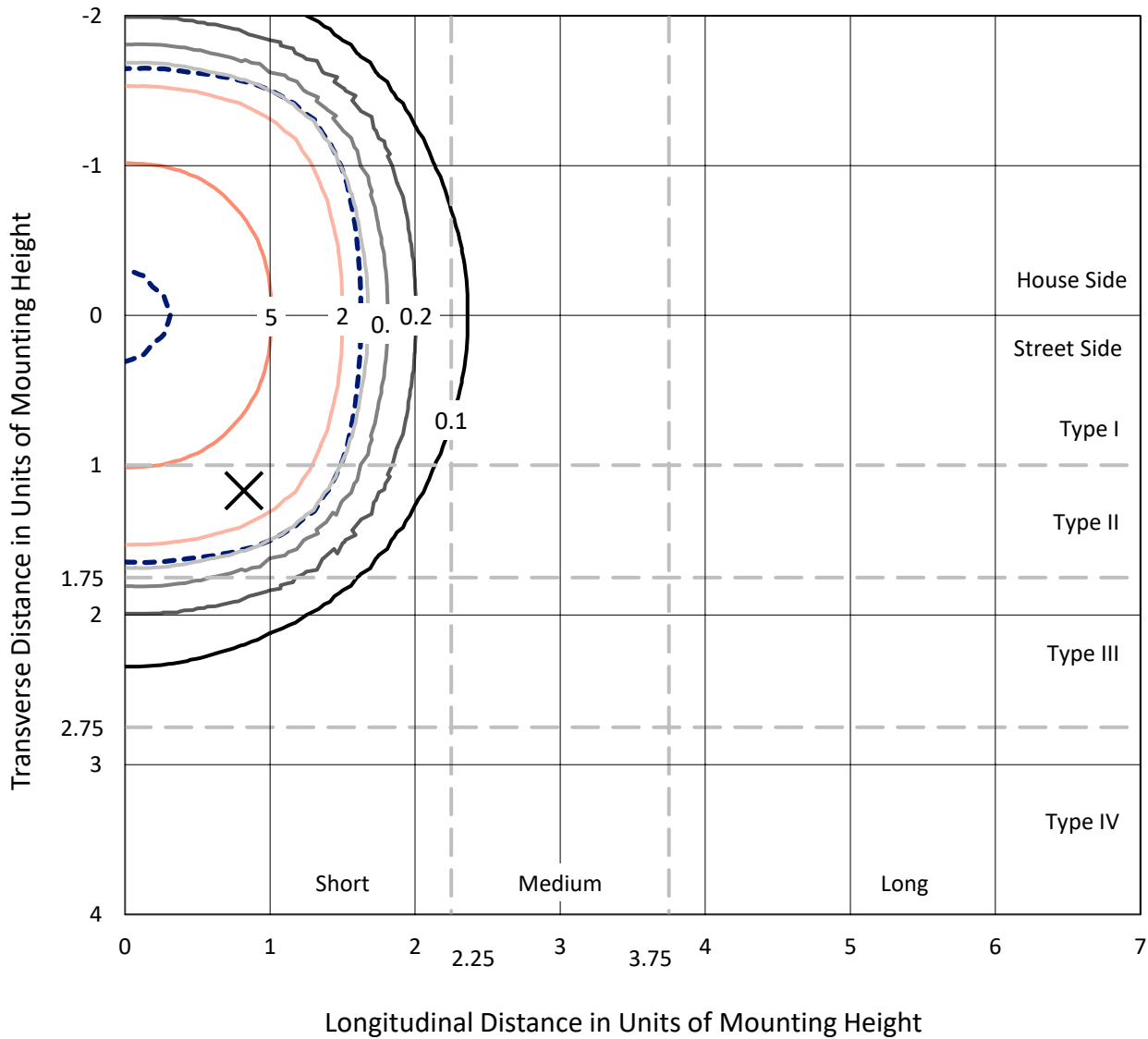
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

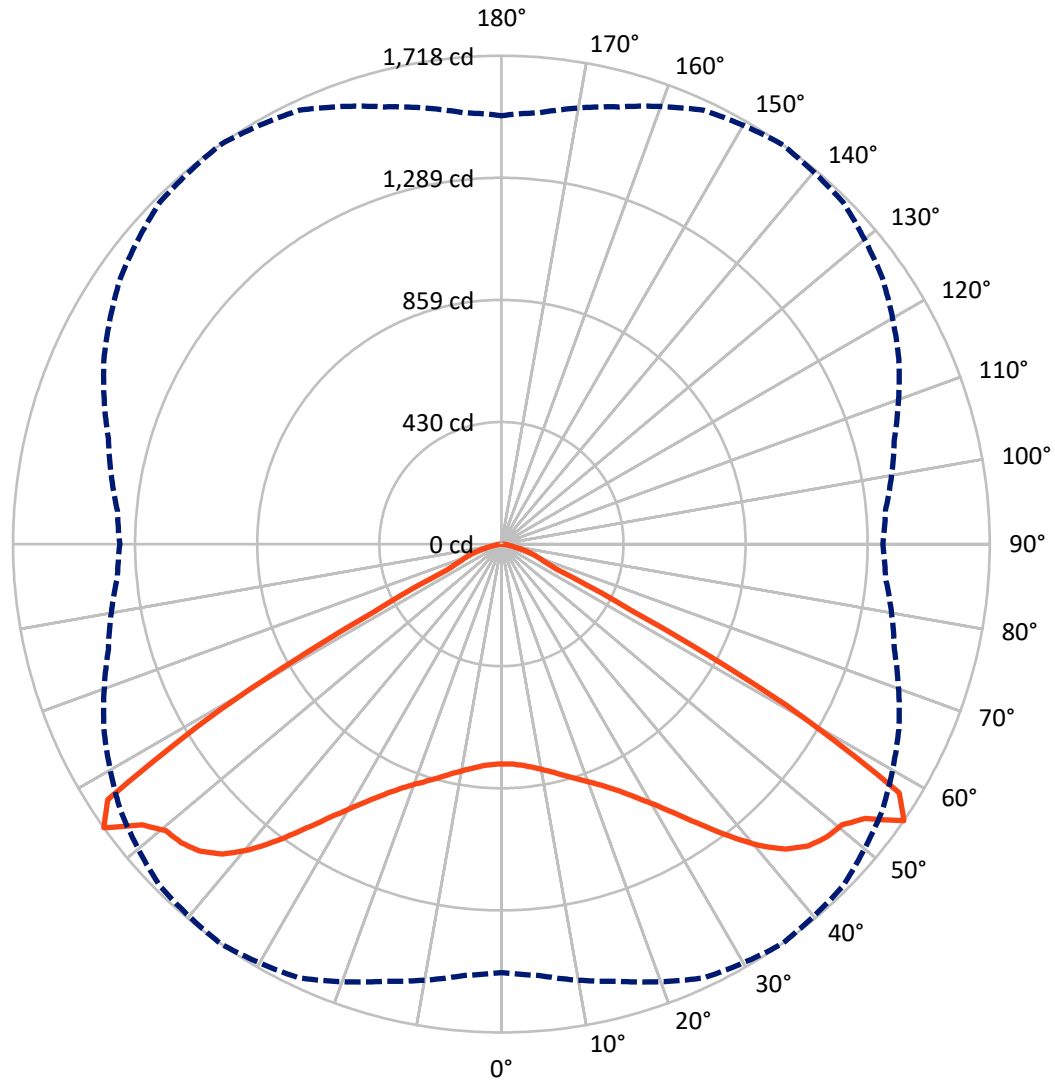
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2148.8	0.0	2148.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2148.8	0.0	2148.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4297.7	0.0	4297.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	1.8
10°-20°	240.1	5.6
20°-30°	444.4	10.3
30°-40°	743.3	17.3
40°-50°	1132.7	26.4
50°-60°	1268.9	29.5
60°-70°	300.2	7.0
70°-80°	80.9	1.9
80°-90°	11.6	0.3
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°	4297.7	100.0
0°-180°	4297.7	100.0

Coefficient of Utilization



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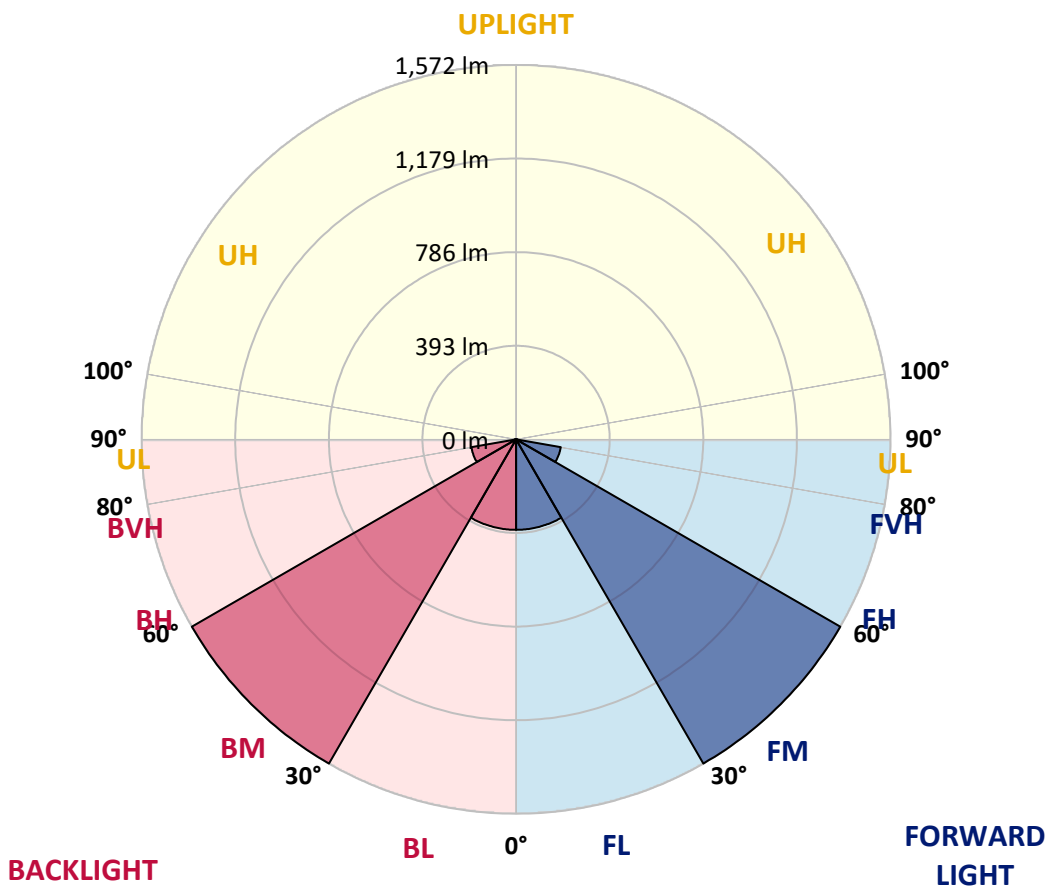
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	379.9	8.8			
FM (30°-60°)	1572.5	36.6			
FH (60°-80°)	190.6	4.4			G0/660
FVH (80°-90°)	5.8	0.1			G0/10
BL (0°-30°)	379.9	8.8	B1/500		
BM (30°-60°)	1572.5	36.6	B2/2500		
BH (60°-80°)	190.6	4.4	B1/500		G0/660
BVH (80°-90°)	5.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	773.2	773.2	773.2	773.2	773.2	773.2	773.2	773.2	773.2	773.2	773.2
2.5°	771.5	771.5	772.8	774.5	774.9	778.3	777.6	776.2	775.5	774.2	777.2
5°	780.0	780.3	781.3	782.3	781.7	784.4	783.4	781.7	780.6	778.9	782.0
7.5°	791.2	791.2	792.2	793.6	792.9	797.0	794.9	792.5	790.8	788.8	791.5
10°	801.4	802.1	803.1	805.8	807.2	811.6	810.2	806.8	804.1	801.7	804.8
12.5°	816.7	817.3	818.4	822.1	824.5	828.9	826.9	822.1	818.0	814.6	818.0
15°	836.4	835.7	838.4	843.2	846.2	850.3	847.9	839.8	834.3	829.9	833.3
17.5°	856.4	856.1	858.8	864.9	869.3	874.8	870.7	861.2	855.4	850.0	853.4
20°	878.2	879.2	881.9	887.7	894.2	901.3	897.9	887.7	881.2	875.1	877.8
22.5°	905.0	905.4	908.4	915.9	924.4	931.2	929.2	916.6	908.4	902.0	905.4
25°	937.3	937.0	941.1	949.9	961.8	968.6	964.2	950.2	941.4	933.9	936.6
27.5°	974.4	974.0	980.1	991.7	1008.7	1018.2	1009.0	991.7	979.5	968.9	971.3
30°	1020.9	1019.9	1026.7	1042.3	1064.4	1080.4	1066.8	1042.7	1026.7	1015.5	1017.9
32.5°	1072.6	1073.9	1082.4	1103.5	1131.4	1152.1	1131.7	1104.9	1083.5	1067.1	1069.9
35°	1129.3	1129.3	1146.7	1172.8	1212.6	1240.1	1208.5	1169.8	1141.2	1118.8	1119.5
37.5°	1192.5	1193.2	1216.0	1252.0	1304.0	1336.3	1293.5	1245.6	1210.9	1186.8	1185.4
40°	1269.7	1271.7	1295.2	1335.3	1393.7	1423.3	1377.4	1330.5	1295.2	1266.6	1263.9
42.5°	1356.7	1357.4	1382.2	1418.2	1467.5	1485.2	1449.1	1410.7	1381.8	1356.0	1353.3
45°	1439.6	1437.9	1459.3	1486.2	1514.7	1516.4	1496.4	1480.7	1455.6	1433.5	1429.4
47.5°	1504.2	1502.8	1522.2	1536.8	1540.2	1523.6	1530.0	1532.4	1503.2	1473.3	1465.5
50°	1543.6	1546.3	1564.7	1572.8	1552.8	1525.6	1550.1	1544.0	1502.2	1463.1	1450.5
52.5°	1567.4	1571.5	1603.4	1624.2	1603.4	1577.6	1581.0	1545.0	1484.8	1433.2	1416.9
55°	1507.3	1523.6	1592.6	1684.3	1718.3	1700.3	1635.7	1542.9	1431.5	1356.4	1342.4
57.5°	1117.1	1142.9	1245.2	1444.0	1650.7	1716.3	1527.6	1293.5	1124.6	1028.1	1019.9
60°	570.3	599.2	681.1	885.3	1151.1	1243.5	1064.1	828.2	658.3	580.1	571.3
62.5°	232.8	237.6	264.4	343.3	508.8	586.9	515.6	361.9	271.9	250.5	250.8
65°	183.2	184.2	182.8	187.6	213.1	236.5	218.5	192.0	187.3	189.6	187.9
67.5°	159.7	160.1	159.1	159.1	160.1	159.1	161.1	162.1	162.8	165.5	163.8
70°	133.6	133.9	133.9	134.6	134.2	132.5	135.6	137.0	137.3	139.0	138.0
72.5°	103.3	104.3	105.0	105.4	105.0	104.0	105.7	108.1	107.7	109.4	107.7
75°	70.0	71.4	72.0	73.4	73.1	73.1	75.1	76.1	75.1	76.5	75.1
77.5°	39.8	40.8	42.8	44.2	45.5	46.6	47.9	48.6	48.3	48.9	48.3
80°	23.1	23.4	25.1	25.8	27.5	29.2	30.6	31.3	31.6	31.9	31.6
82.5°	13.3	13.6	14.3	15.0	16.3	17.7	19.0	20.1	20.1	20.4	20.1
85°	6.5	6.5	6.8	7.1	7.8	8.8	9.9	10.9	11.2	11.2	11.2
87.5°	1.0	1.0	1.4	1.4	1.7	2.0	2.7	3.4	3.7	3.7	3.7
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)