

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: P630753

Luminaire Tested: GWS-SA1E-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630753
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-735-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4566.4 lumens
Efficiency: N/A
Efficacy: 78.2 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

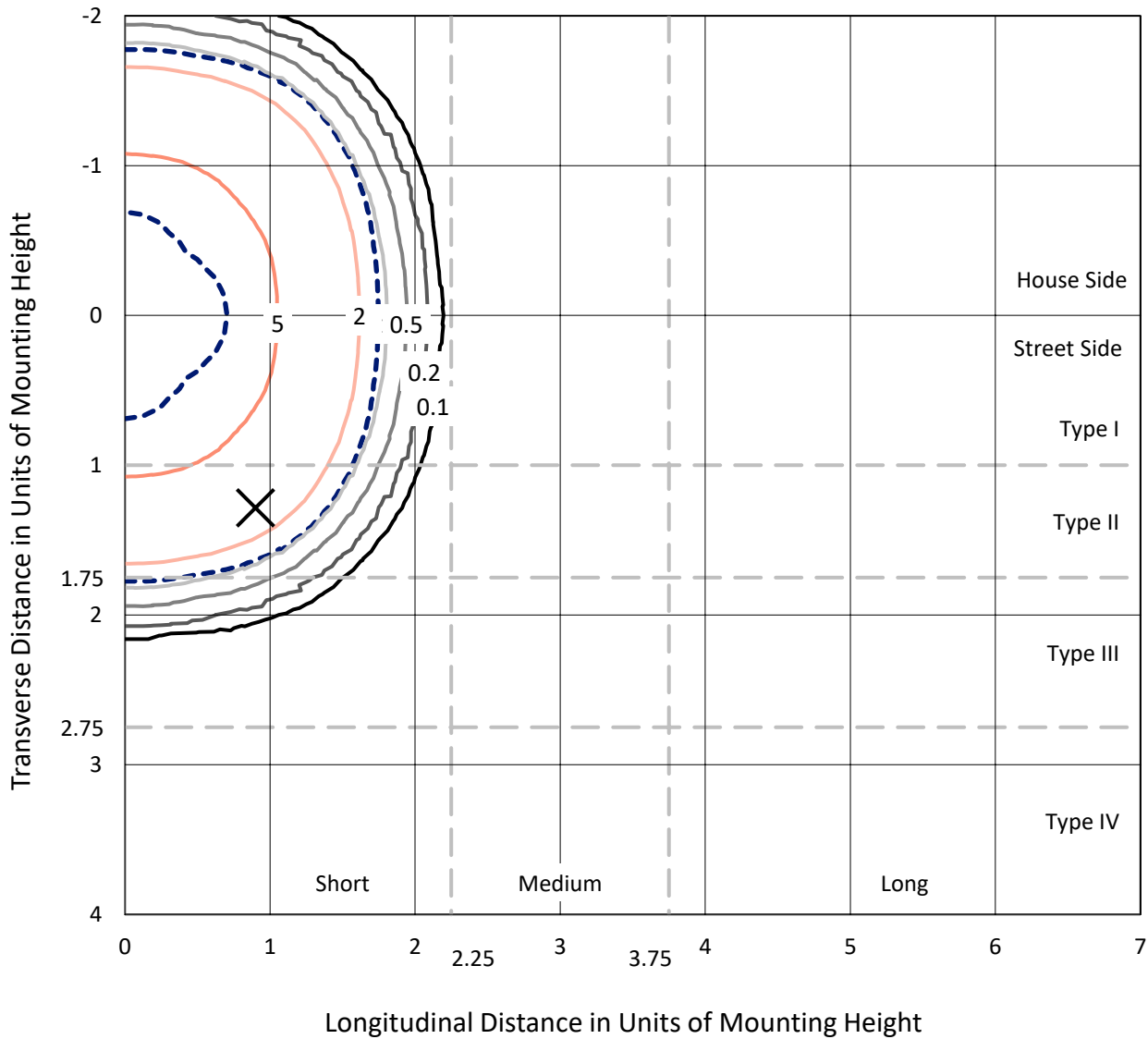
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

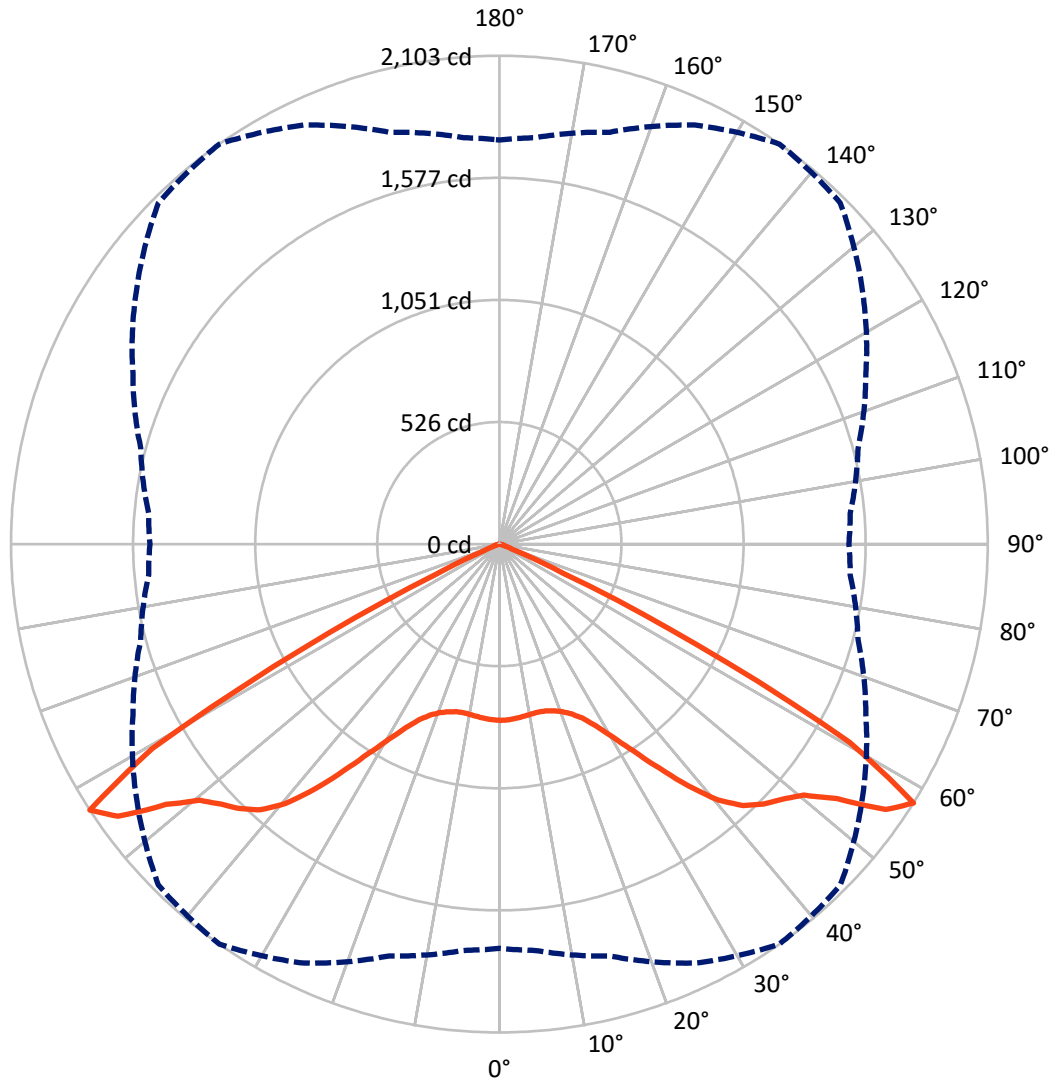
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2283.2	0.0	2283.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2283.2	0.0	2283.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	4566.4	0.0	4566.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	1.6
10°-20°	210.4	4.6
20°-30°	380.3	8.3
30°-40°	709.5	15.5
40°-50°	1190.2	26.1
50°-60°	1571.8	34.4
60°-70°	417.4	9.1
70°-80°	14.8	0.3
80°-90°	0.3	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°	4566.4	100.0
0°-180°	4566.4	100.0

Coefficient of Utilization



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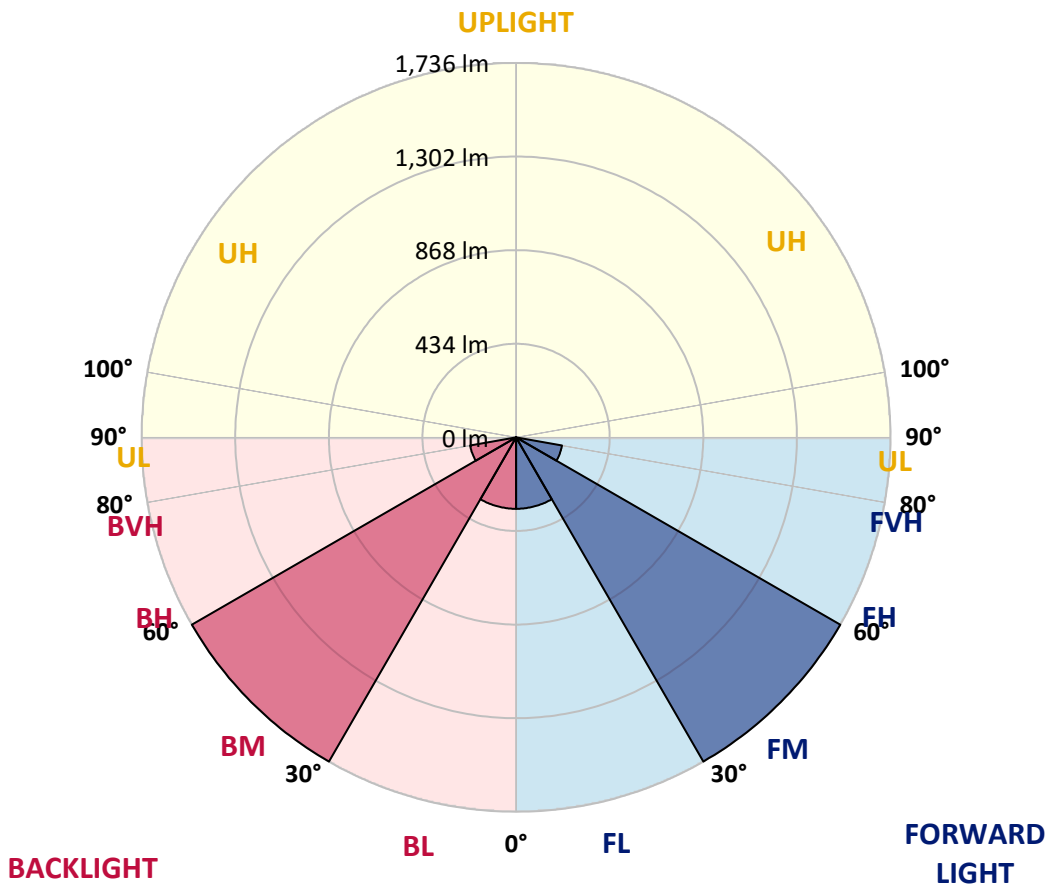
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	331.1	7.3			
FM (30°-60°)	1735.8	38.0			
FH (60°-80°)	216.1	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	331.1	7.3	B1/500		
BM (30°-60°)	1735.8	38.0	B2/2500		
BH (60°-80°)	216.1	4.7	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			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°	759.2	759.2	759.2	759.2	759.2	759.2	759.2	759.2	759.2	759.2	759.2
2.5°	753.8	753.3	755.5	757.1	757.1	760.8	759.7	758.7	757.6	756.0	759.7
5°	752.8	752.2	753.8	754.9	753.8	757.1	754.9	752.8	751.7	749.6	753.8
7.5°	748.0	748.5	749.6	750.6	749.0	751.7	749.0	745.8	743.1	741.0	744.7
10°	740.5	741.0	742.1	744.2	744.7	748.5	744.7	738.8	735.1	731.9	735.6
12.5°	736.7	737.2	738.8	741.5	742.1	746.9	742.1	733.5	728.1	724.4	728.1
15°	737.8	738.8	741.0	744.2	745.3	750.1	743.7	732.4	724.9	720.1	723.3
17.5°	741.5	742.6	745.8	751.2	754.9	759.7	751.7	737.2	727.1	720.1	723.3
20°	746.3	748.0	753.3	761.9	769.9	778.5	768.3	748.5	735.1	726.5	729.2
22.5°	759.7	761.3	768.8	780.1	793.5	804.2	791.9	766.7	748.5	737.2	739.9
25°	787.1	788.7	798.3	812.8	829.9	843.9	828.3	796.7	773.1	760.3	761.3
27.5°	829.9	831.5	842.8	863.1	886.2	906.0	883.5	846.5	819.7	804.7	804.7
30°	884.0	886.2	901.2	928.5	964.4	990.7	960.1	915.1	880.8	860.5	861.0
32.5°	953.7	951.6	973.0	1010.5	1061.4	1096.2	1051.2	996.6	954.2	925.8	928.5
35°	1043.2	1042.6	1066.7	1117.6	1184.1	1225.9	1172.3	1101.6	1050.7	1021.7	1022.3
37.5°	1158.4	1157.8	1185.7	1240.9	1320.7	1355.5	1295.5	1223.7	1169.1	1141.2	1144.4
40°	1293.4	1290.2	1314.8	1367.9	1447.7	1470.2	1404.8	1347.0	1294.5	1276.8	1285.3
42.5°	1422.0	1415.0	1429.5	1477.7	1539.3	1542.5	1493.2	1453.6	1417.7	1403.8	1409.1
45°	1525.4	1520.0	1533.4	1561.3	1596.6	1580.6	1557.0	1544.7	1515.7	1500.7	1505.6
47.5°	1602.5	1602.5	1618.6	1635.7	1641.1	1611.6	1615.4	1615.4	1586.5	1562.9	1557.0
50°	1669.0	1673.8	1697.9	1715.6	1697.9	1660.4	1681.8	1677.5	1618.6	1571.5	1559.1
52.5°	1775.1	1779.9	1816.8	1841.0	1821.1	1784.2	1786.8	1733.3	1646.5	1590.7	1571.5
55°	1887.6	1899.4	1952.9	2017.2	2017.8	1979.7	1909.0	1814.2	1708.6	1648.1	1628.2
57.5°	1740.2	1756.3	1836.1	1991.0	2102.9	2076.7	1907.9	1741.3	1598.8	1516.3	1505.0
60°	1197.5	1225.3	1305.2	1516.8	1732.7	1742.9	1543.6	1356.6	1193.2	1091.4	1093.5
62.5°	505.8	534.2	579.2	753.3	951.6	963.9	867.4	733.5	600.1	526.7	537.9
65°	118.9	127.0	140.4	208.4	302.2	316.1	291.5	227.2	167.7	142.0	144.7
67.5°	52.0	53.0	50.4	53.6	66.4	68.0	65.9	57.9	54.6	55.7	55.7
70°	36.4	37.0	34.8	33.2	31.6	29.5	30.5	33.8	36.4	38.6	38.0
72.5°	22.5	23.0	23.6	23.6	22.0	19.8	20.9	23.0	23.6	24.1	23.6
75°	11.3	11.8	12.9	13.4	12.9	12.3	12.3	12.9	12.9	12.3	12.3
77.5°	2.1	2.7	3.8	4.3	4.3	4.3	4.3	4.3	4.8	4.3	4.3
80°	0.5	0.5	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1
82.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
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)