

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: P631413

Luminaire Tested: GWS-SA1F-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631413
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-SA1F-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5193.3 lumens
Efficiency: N/A
Efficacy: 77.3 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

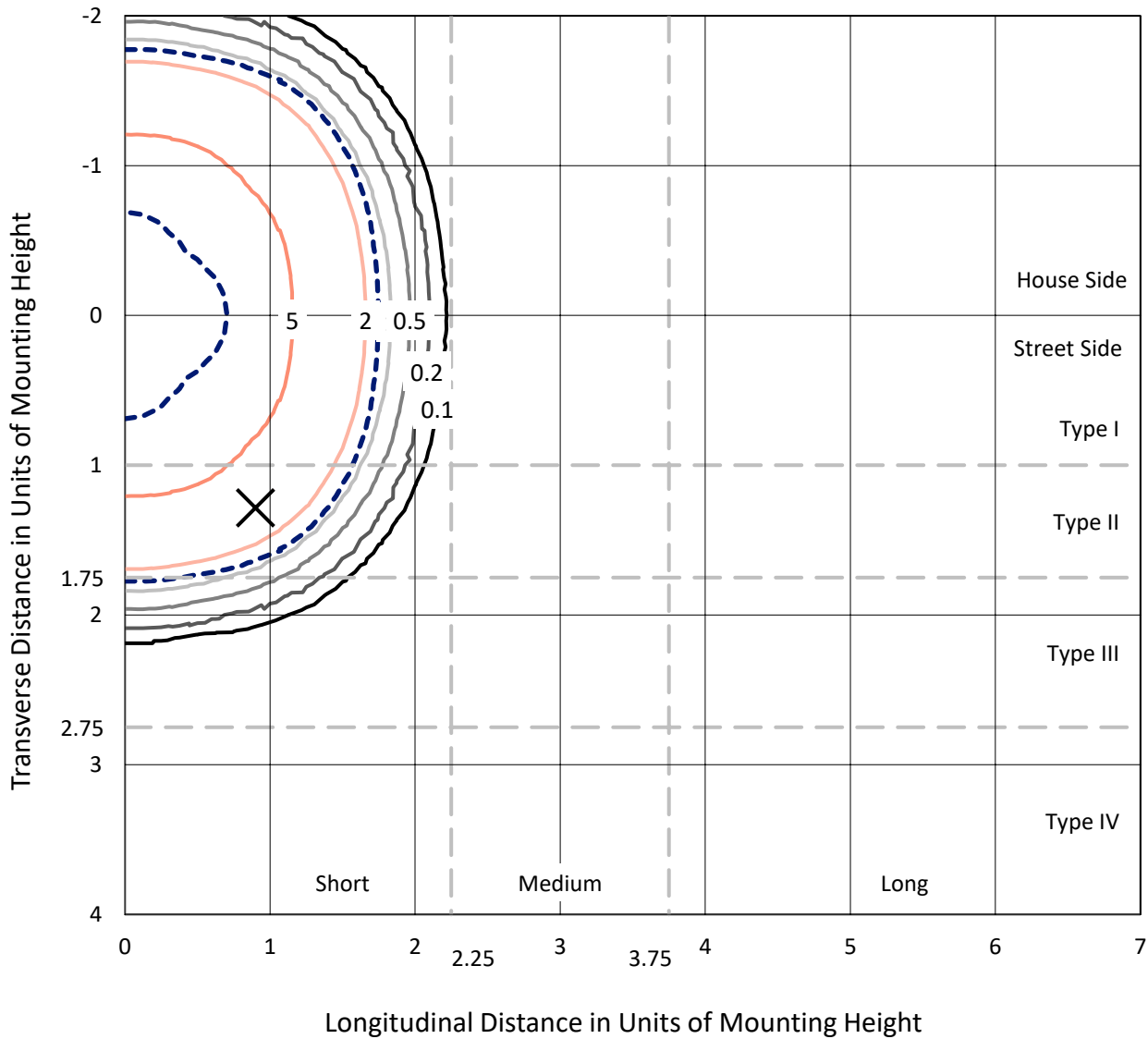
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

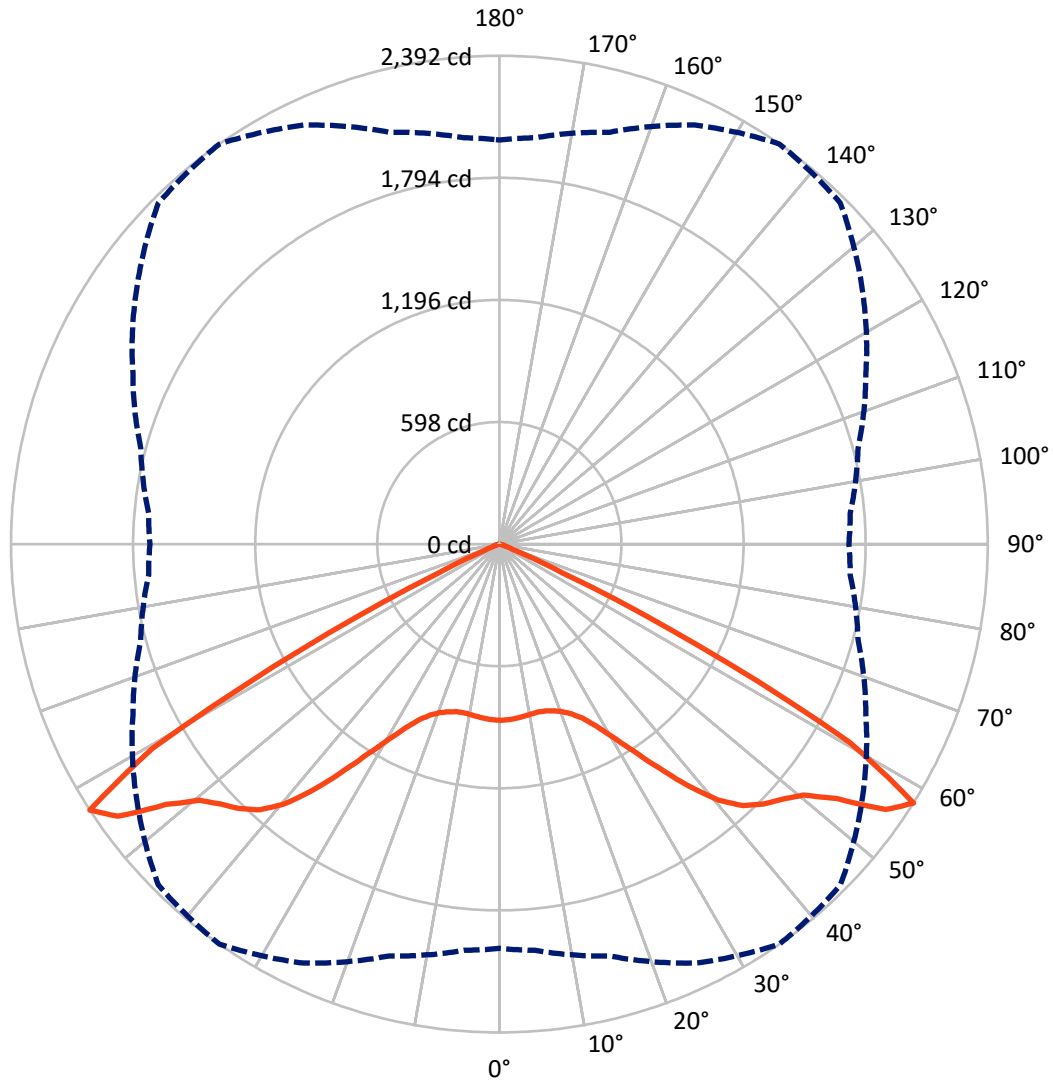
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 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	2596.6	0.0	2596.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2596.6	0.0	2596.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5193.3	0.0	5193.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	1.6
10°-20°	239.3	4.6
20°-30°	432.5	8.3
30°-40°	806.9	15.5
40°-50°	1353.6	26.1
50°-60°	1787.6	34.4
60°-70°	474.8	9.1
70°-80°	16.9	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°	5193.3	100.0
0°-180°	5193.3	100.0

Coefficient of Utilization



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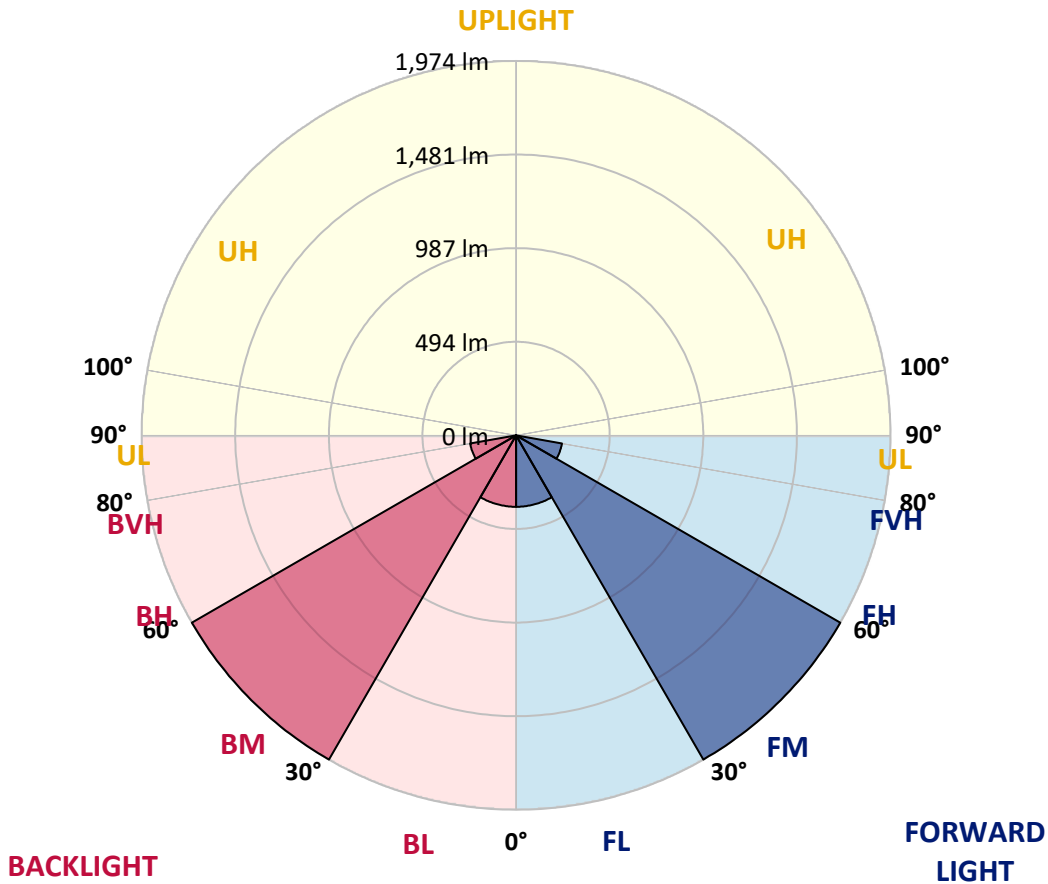
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	376.6	7.3			
FM (30°-60°)	1974.1	38.0			
FH (60°-80°)	245.8	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	376.6	7.3	B1/500		
BM (30°-60°)	1974.1	38.0	B2/2500		
BH (60°-80°)	245.8	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°	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4
2.5°	857.3	856.7	859.2	861.0	861.0	865.3	864.0	862.8	861.6	859.8	864.0
5°	856.1	855.5	857.3	858.6	857.3	861.0	858.6	856.1	854.9	852.5	857.3
7.5°	850.6	851.2	852.5	853.7	851.9	854.9	851.9	848.2	845.2	842.7	847.0
10°	842.1	842.7	843.9	846.4	847.0	851.2	847.0	840.3	836.0	832.4	836.6
12.5°	837.8	838.4	840.3	843.3	843.9	849.4	843.9	834.2	828.1	823.8	828.1
15°	839.1	840.3	842.7	846.4	847.6	853.1	845.8	833.0	824.4	819.0	822.6
17.5°	843.3	844.5	848.2	854.3	858.6	864.0	854.9	838.4	826.9	819.0	822.6
20°	848.8	850.6	856.7	866.5	875.6	885.4	873.8	851.2	836.0	826.3	829.3
22.5°	864.0	865.9	874.4	887.2	902.4	914.6	900.6	872.0	851.2	838.4	841.5
25°	895.1	896.9	907.9	924.4	943.9	959.7	942.0	906.1	879.3	864.7	865.9
27.5°	943.9	945.7	958.5	981.6	1007.8	1030.4	1004.8	962.8	932.3	915.2	915.2
30°	1005.4	1007.8	1024.9	1056.0	1096.8	1126.7	1091.9	1040.8	1001.8	978.6	979.2
32.5°	1084.6	1082.2	1106.6	1149.2	1207.1	1246.7	1195.5	1133.4	1085.2	1052.9	1056.0
35°	1186.4	1185.8	1213.2	1271.1	1346.6	1394.2	1333.2	1252.8	1194.9	1162.0	1162.6
37.5°	1317.4	1316.8	1348.5	1411.2	1502.0	1541.6	1473.4	1391.7	1329.6	1297.9	1301.5
40°	1470.9	1467.3	1495.3	1555.6	1646.4	1672.0	1597.7	1531.9	1472.2	1452.1	1461.8
42.5°	1617.2	1609.3	1625.7	1680.6	1750.6	1754.3	1698.2	1653.1	1612.3	1596.5	1602.6
45°	1734.8	1728.7	1743.9	1775.6	1815.8	1797.5	1770.7	1756.7	1723.8	1706.8	1712.2
47.5°	1822.5	1822.5	1840.8	1860.3	1866.4	1832.9	1837.2	1837.2	1804.3	1777.4	1770.7
50°	1898.1	1903.6	1931.0	1951.1	1931.0	1888.3	1912.7	1907.8	1840.8	1787.2	1773.2
52.5°	2018.7	2024.2	2066.3	2093.7	2071.1	2029.1	2032.1	1971.2	1872.5	1809.1	1787.2
55°	2146.7	2160.1	2221.0	2294.2	2294.8	2251.5	2171.1	2063.2	1943.2	1874.3	1851.8
57.5°	1979.1	1997.4	2088.2	2264.3	2391.7	2361.8	2169.9	1980.4	1818.3	1724.4	1711.6
60°	1361.9	1393.6	1484.3	1725.0	1970.6	1982.2	1755.5	1542.8	1357.0	1241.2	1243.7
62.5°	575.2	607.5	658.7	856.7	1082.2	1096.2	986.5	834.2	682.5	599.0	611.8
65°	135.3	144.4	159.6	237.0	343.7	359.5	331.5	258.4	190.7	161.5	164.5
67.5°	59.1	60.3	57.3	60.9	75.6	77.4	74.9	65.8	62.2	63.4	63.4
70°	41.4	42.0	39.6	37.8	36.0	33.5	34.7	38.4	41.4	43.9	43.3
72.5°	25.6	26.2	26.8	26.8	25.0	22.5	23.8	26.2	26.8	27.4	26.8
75°	12.8	13.4	14.6	15.2	14.6	14.0	14.0	14.6	14.6	14.0	14.0
77.5°	2.4	3.0	4.3	4.9	4.9	4.9	4.9	4.9	5.5	4.9	4.9
80°	0.6	0.6	1.2	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
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)