

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: P631526

Luminaire Tested: GWS-SA1F-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-830-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4709.5 lumens
Efficiency: N/A
Efficacy: 70.1 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

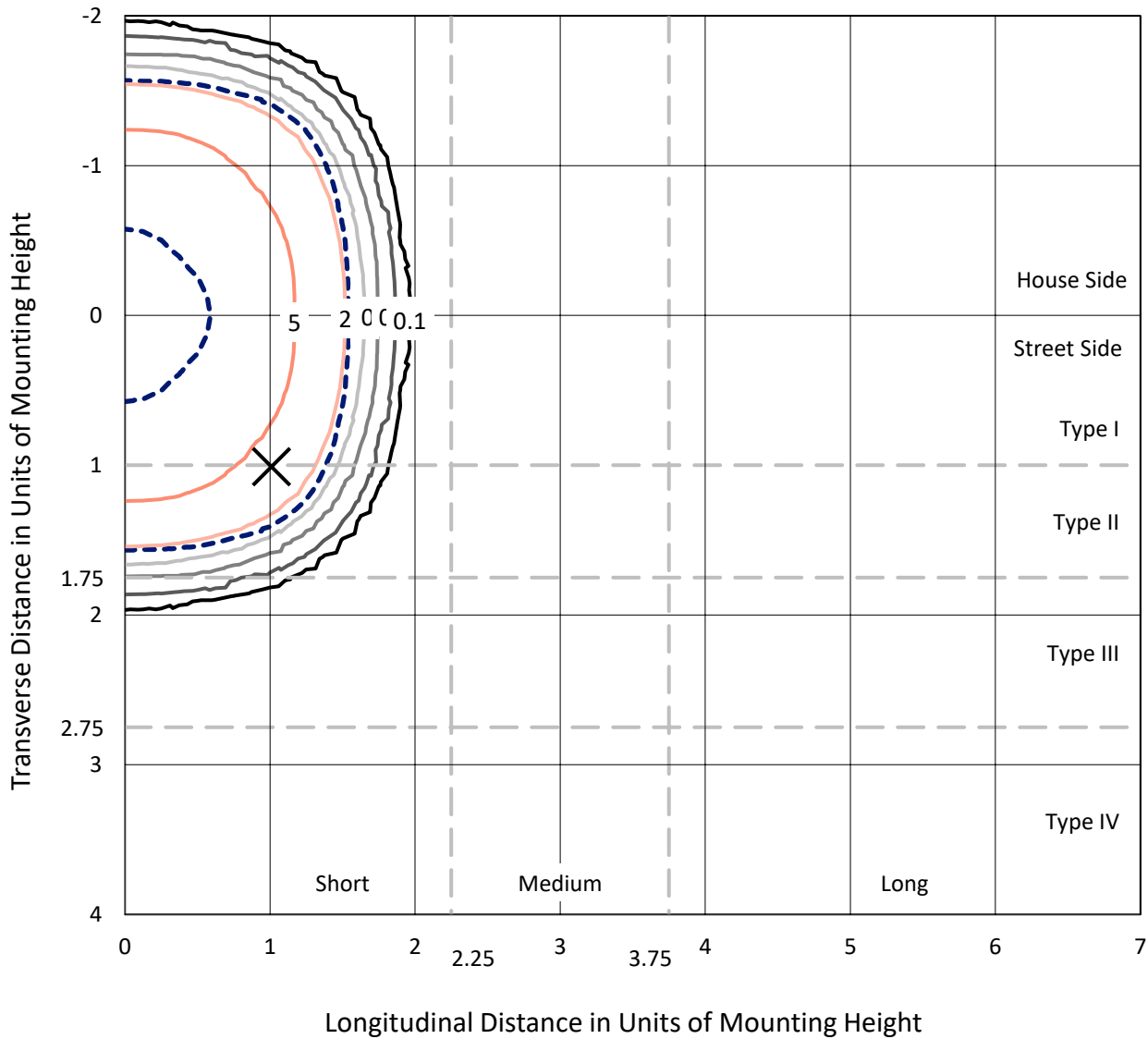
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

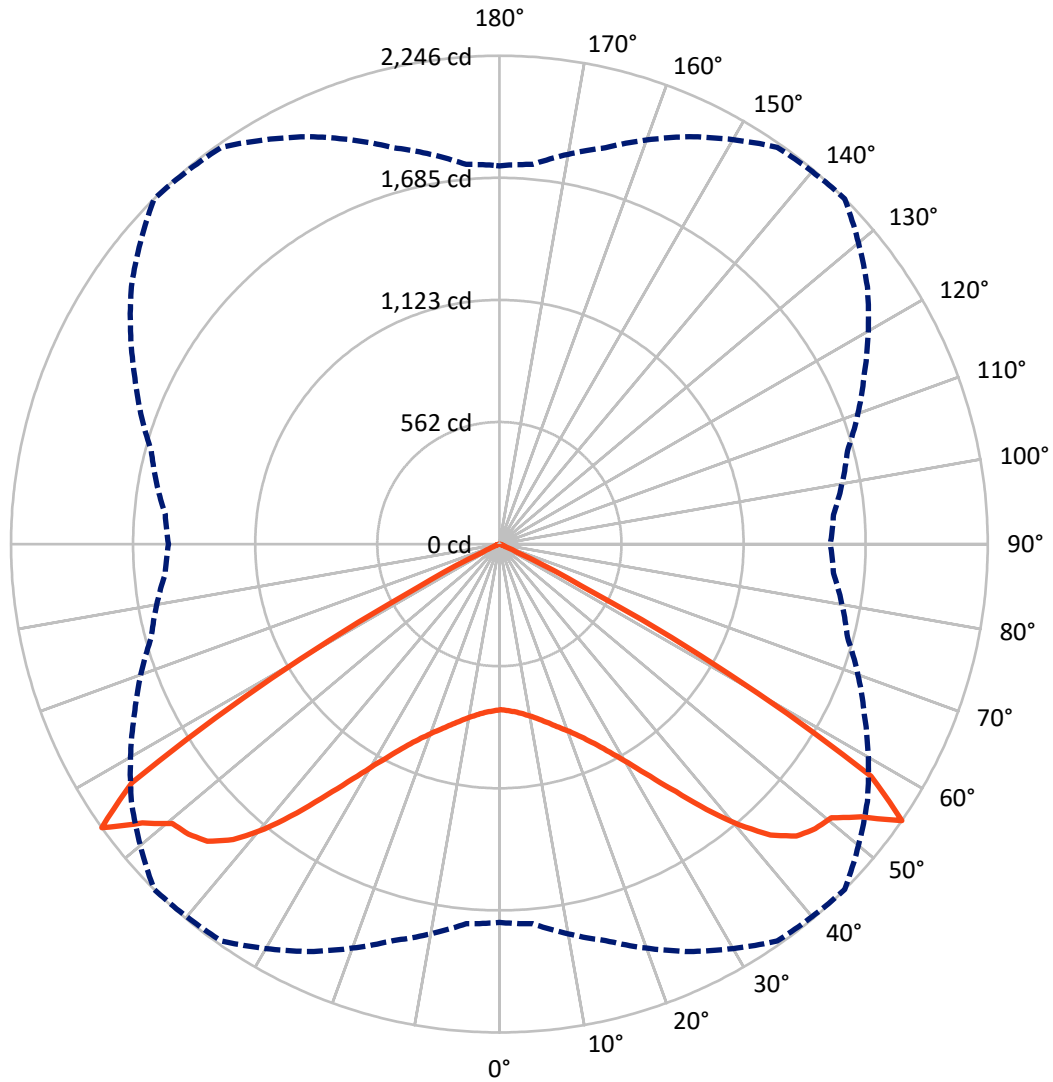
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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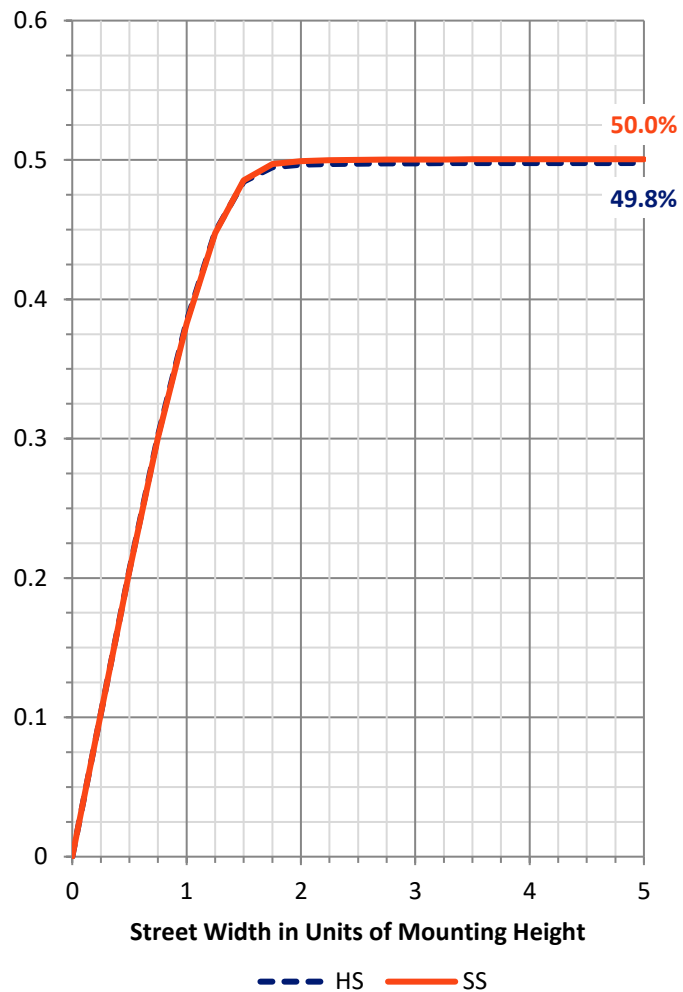
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2354.8	0.0	2354.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2354.8	0.0	2354.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4709.5	0.0	4709.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	1.6
10°-20°	241.8	5.1
20°-30°	468.3	9.9
30°-40°	839.1	17.8
40°-50°	1406.7	29.9
50°-60°	1505.8	32.0
60°-70°	165.5	3.5
70°-80°	7.3	0.2
80°-90°	0.4	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°	4709.5	100.0
0°-180°	4709.5	100.0

Coefficient of Utilization



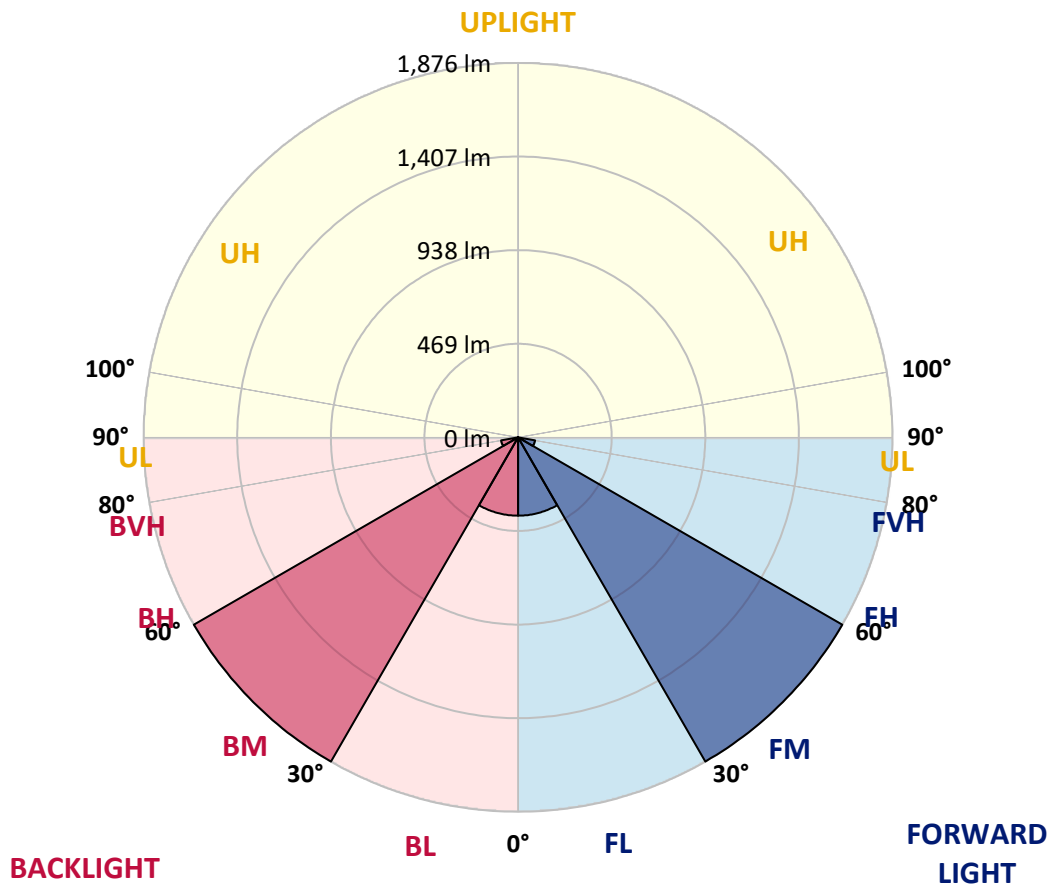
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	392.4	8.3			
FM (30°-60°)	1875.8	39.8			
FH (60°-80°)	86.4	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	392.4	8.3	B1/500		
BM (30°-60°)	1875.8	39.8	B2/2500		
BH (60°-80°)	86.4	1.8	B0/110		G0/660
BVH (80°-90°)	0.2	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°	761.4	761.4	761.4	761.4	761.4	761.4	761.4	761.4	761.4	761.4	761.4
2.5°	760.0	760.0	761.9	763.4	763.4	767.2	765.8	764.3	764.3	762.4	766.2
5°	771.0	770.6	772.5	773.4	771.5	775.3	773.0	771.5	770.6	768.6	772.5
7.5°	783.0	783.5	784.0	785.9	784.9	788.8	786.9	784.0	783.0	780.1	784.0
10°	797.4	797.4	798.4	800.8	801.3	806.1	804.1	800.8	797.9	795.0	798.9
12.5°	815.7	816.1	817.6	820.9	822.8	828.1	825.2	818.5	814.2	810.9	815.2
15°	842.0	841.6	843.5	848.3	850.7	854.5	850.2	841.1	835.8	832.0	834.8
17.5°	870.8	870.8	871.8	876.6	879.9	885.7	880.4	869.4	864.6	859.3	862.2
20°	902.5	903.9	904.9	908.3	914.0	919.8	915.4	904.4	899.1	892.4	895.8
22.5°	944.2	942.8	943.3	949.0	957.2	962.9	959.6	946.6	937.5	932.2	934.2
25°	990.8	990.3	991.7	1000.4	1009.5	1015.7	1010.9	994.1	985.0	975.9	979.7
27.5°	1047.9	1048.4	1049.3	1059.9	1074.3	1083.4	1071.4	1054.6	1042.1	1030.1	1033.0
30°	1115.5	1114.6	1117.4	1131.8	1152.9	1167.3	1153.4	1129.9	1112.2	1100.7	1102.1
32.5°	1187.5	1188.5	1196.1	1219.2	1247.0	1272.4	1244.1	1212.9	1189.9	1168.3	1171.2
35°	1265.2	1267.6	1284.9	1319.0	1364.5	1398.6	1359.3	1307.9	1275.3	1247.5	1248.4
37.5°	1356.9	1362.6	1386.6	1437.5	1502.7	1548.3	1490.7	1422.6	1380.4	1345.8	1343.4
40°	1477.3	1484.0	1516.6	1577.1	1656.3	1698.0	1631.3	1561.3	1509.0	1471.5	1465.8
42.5°	1615.5	1624.1	1659.6	1721.5	1800.7	1829.0	1763.7	1704.7	1657.7	1613.6	1611.6
45°	1771.4	1776.2	1805.0	1852.5	1909.6	1916.3	1867.4	1834.7	1787.2	1746.0	1742.6
47.5°	1917.7	1922.5	1942.2	1966.7	1980.1	1956.1	1947.5	1933.1	1871.7	1820.8	1810.3
50°	2029.1	2032.9	2057.4	2067.0	2029.5	1978.7	1995.5	1964.8	1898.1	1841.0	1824.7
52.5°	2021.4	2031.0	2093.8	2148.5	2125.0	2083.8	2038.7	1972.4	1868.8	1790.6	1770.4
55°	1740.2	1753.2	1888.0	2067.9	2228.6	2246.4	2066.0	1852.5	1657.7	1543.0	1522.4
57.5°	1118.4	1121.8	1286.3	1538.7	1900.9	2015.1	1713.3	1396.7	1154.4	1028.2	1019.6
60°	411.2	404.5	528.7	737.9	1094.9	1215.8	1008.5	706.3	503.8	414.5	407.3
62.5°	98.8	99.8	123.8	185.7	343.5	425.1	335.9	187.6	119.5	100.3	99.3
65°	49.9	48.9	49.4	53.3	73.4	87.8	72.0	50.9	48.9	49.4	48.9
67.5°	32.1	31.7	32.6	33.1	32.6	30.7	30.2	31.2	31.2	31.7	30.7
70°	19.7	19.2	20.2	21.6	20.6	18.2	19.2	20.2	19.2	18.7	18.7
72.5°	10.6	10.6	11.5	12.5	11.5	10.6	10.6	11.0	10.6	10.6	10.6
75°	4.8	4.8	5.3	5.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
77.5°	1.4	1.4	1.9	1.9	1.4	1.4	1.4	1.4	1.9	1.9	1.9
80°	0.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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)