

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: P632901

Luminaire Tested: GWS-SA2D-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632901
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-SA2D-760-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8289.3 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

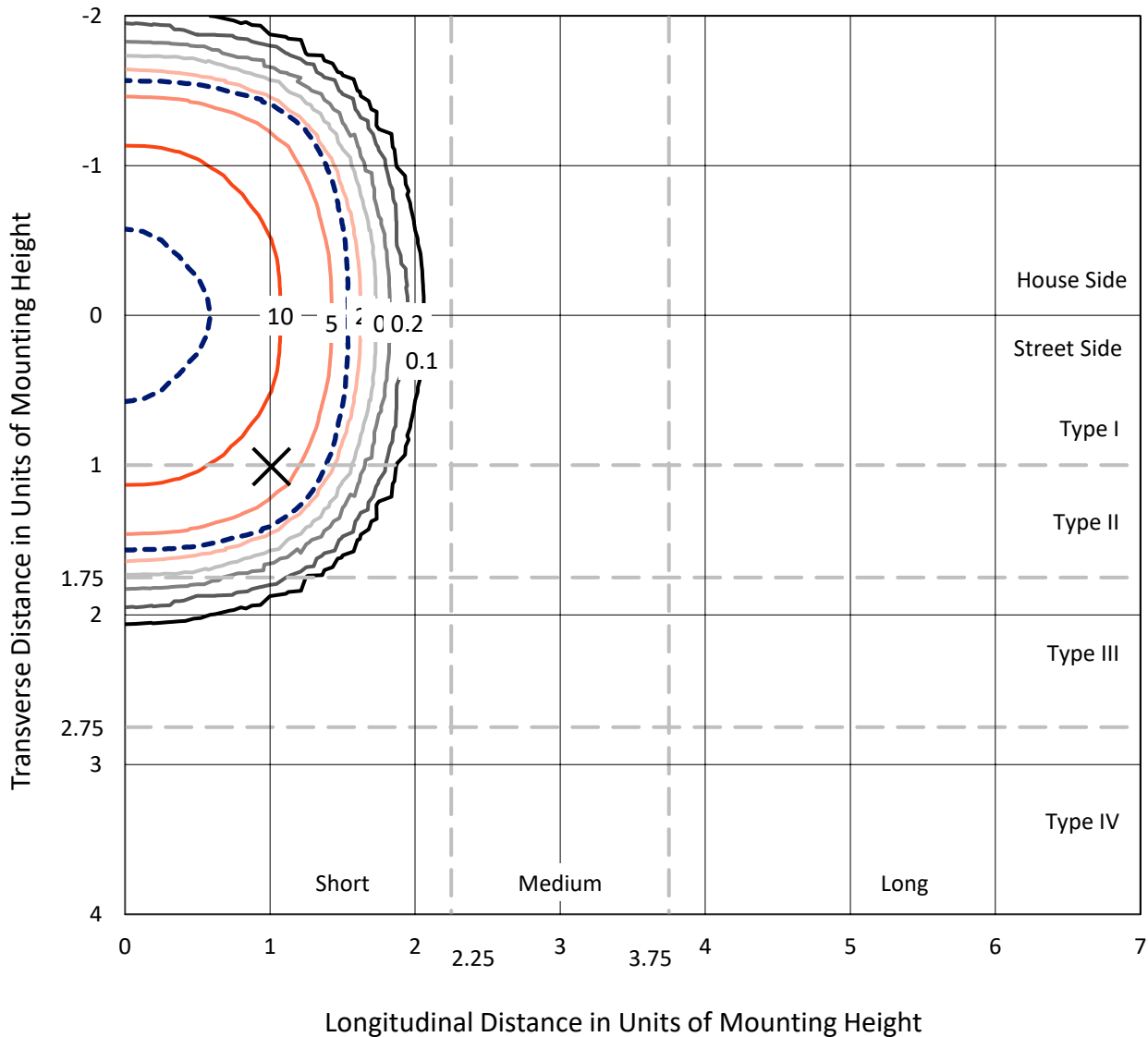
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

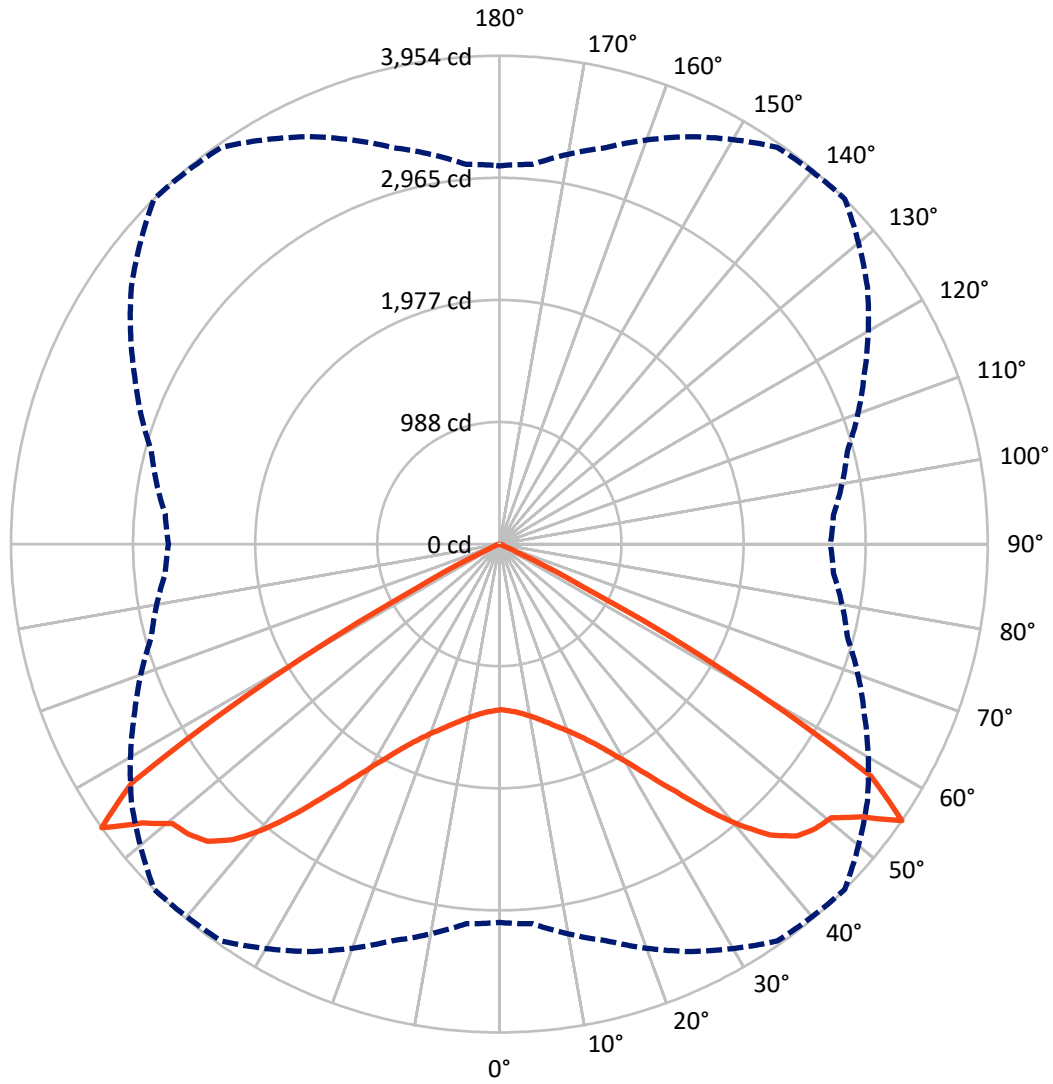
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.6 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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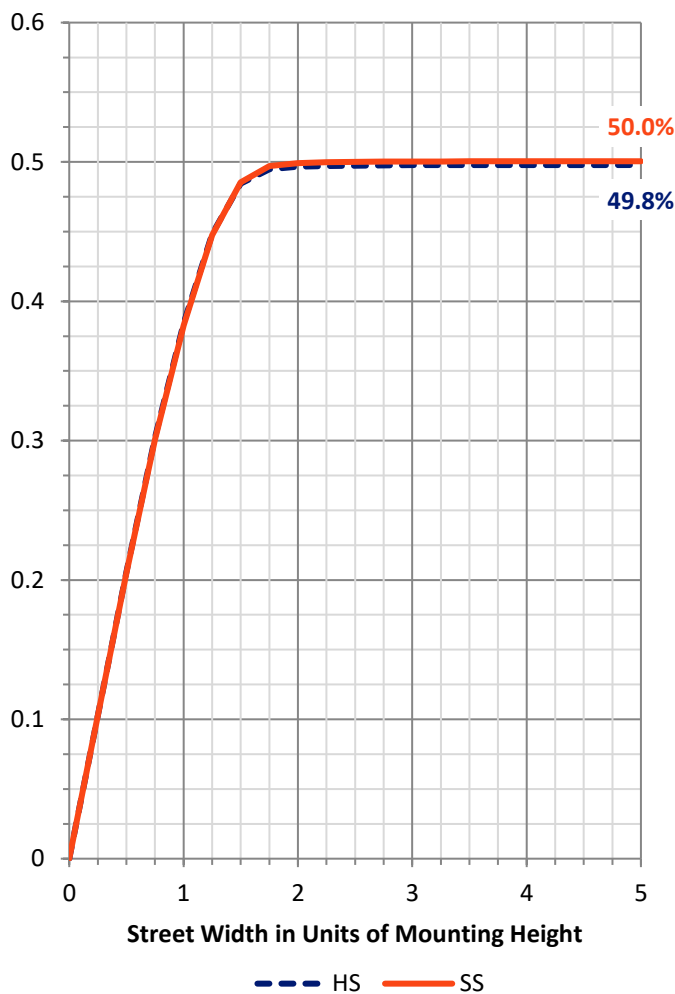
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4144.6	0.0	4144.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4144.6	0.0	4144.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	8289.3	0.0	8289.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	1.6
10°-20°	425.6	5.1
20°-30°	824.3	9.9
30°-40°	1476.8	17.8
40°-50°	2476.0	29.9
50°-60°	2650.5	32.0
60°-70°	291.2	3.5
70°-80°	12.8	0.2
80°-90°	0.6	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°	8289.3	100.0
0°-180°	8289.3	100.0

Coefficient of Utilization



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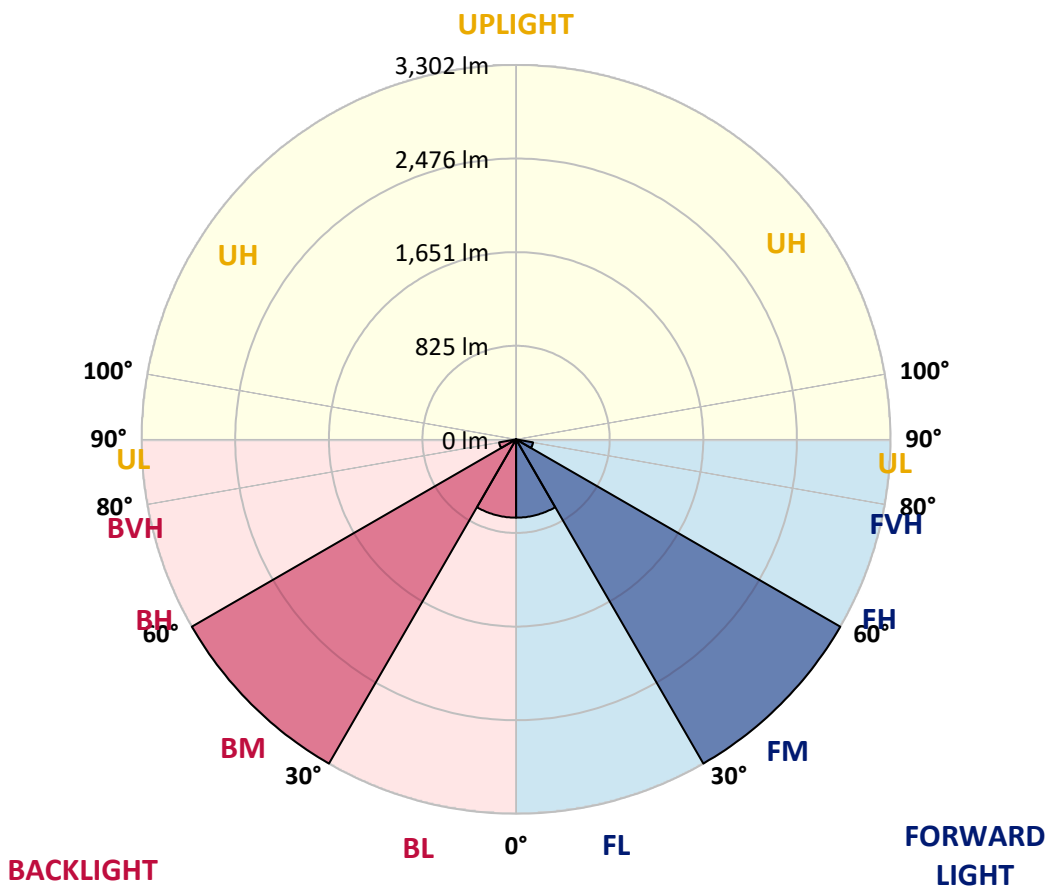
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	690.7	8.3			
FM (30°-60°)	3301.7	39.8			
FH (60°-80°)	152.0	1.8			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	690.7	8.3	B2/1000		
BM (30°-60°)	3301.7	39.8	B3/5000		
BH (60°-80°)	152.0	1.8	B1/500		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1340.2	1340.2	1340.2	1340.2	1340.2	1340.2	1340.2	1340.2	1340.2	1340.2	1340.2
2.5°	1337.7	1337.7	1341.1	1343.6	1343.6	1350.4	1347.8	1345.3	1345.3	1341.9	1348.7
5°	1357.1	1356.3	1359.6	1361.3	1358.0	1364.7	1360.5	1358.0	1356.3	1352.9	1359.6
7.5°	1378.2	1379.1	1379.9	1383.3	1381.6	1388.4	1385.0	1379.9	1378.2	1373.2	1379.9
10°	1403.6	1403.6	1405.2	1409.5	1410.3	1418.8	1415.4	1409.5	1404.4	1399.3	1406.1
12.5°	1435.6	1436.5	1439.0	1444.9	1448.3	1457.6	1452.5	1440.7	1433.1	1427.2	1434.8
15°	1482.1	1481.3	1484.6	1493.1	1497.3	1504.1	1496.5	1480.4	1471.1	1464.4	1469.4
17.5°	1532.8	1532.8	1534.5	1542.9	1548.8	1558.9	1549.7	1530.2	1521.8	1512.5	1517.6
20°	1588.5	1591.0	1592.7	1598.6	1608.8	1618.9	1611.3	1591.9	1582.6	1570.8	1576.7
22.5°	1662.0	1659.4	1660.3	1670.4	1684.8	1694.9	1689.0	1666.2	1650.2	1640.9	1644.2
25°	1743.9	1743.0	1745.6	1760.8	1776.8	1787.8	1779.4	1749.8	1733.8	1717.7	1724.5
27.5°	1844.4	1845.2	1846.9	1865.5	1890.8	1906.9	1885.8	1856.2	1834.3	1813.1	1818.2
30°	1963.5	1961.8	1966.8	1992.2	2029.3	2054.7	2030.2	1988.8	1957.5	1937.3	1939.8
32.5°	2090.1	2091.8	2105.3	2145.9	2194.9	2239.6	2189.8	2134.9	2094.4	2056.4	2061.4
35°	2226.9	2231.2	2261.6	2321.5	2401.8	2461.7	2392.5	2302.1	2244.7	2195.7	2197.4
37.5°	2388.2	2398.4	2440.6	2530.1	2645.0	2725.2	2623.9	2503.9	2429.6	2368.8	2364.6
40°	2600.2	2612.0	2669.5	2775.9	2915.2	2988.7	2871.3	2748.0	2655.9	2590.1	2579.9
42.5°	2843.4	2858.6	2921.1	3030.1	3169.4	3219.2	3104.4	3000.5	2917.7	2840.1	2836.7
45°	3117.9	3126.3	3177.0	3260.6	3361.1	3372.9	3286.8	3229.4	3145.8	3073.1	3067.2
47.5°	3375.5	3383.9	3418.5	3461.6	3485.2	3443.0	3427.8	3402.5	3294.4	3204.9	3186.3
50°	3571.4	3578.1	3621.2	3638.1	3572.2	3482.7	3512.3	3458.2	3340.8	3240.3	3211.6
52.5°	3557.9	3574.8	3685.4	3781.7	3740.3	3667.7	3588.3	3471.7	3289.3	3151.7	3116.2
55°	3063.0	3085.8	3323.1	3639.8	3922.7	3953.9	3636.4	3260.6	2917.7	2715.9	2679.6
57.5°	1968.5	1974.4	2264.1	2708.3	3345.9	3546.9	3015.7	2458.3	2031.9	1809.8	1794.6
60°	723.7	711.9	930.6	1298.8	1927.1	2140.0	1775.1	1243.1	886.7	729.6	717.0
62.5°	174.0	175.7	217.9	326.8	604.7	748.2	591.1	330.2	210.3	176.5	174.8
65°	87.8	86.1	87.0	93.7	129.2	154.5	126.7	89.5	86.1	87.0	86.1
67.5°	56.6	55.7	57.4	58.3	57.4	54.0	53.2	54.9	54.9	55.7	54.0
70°	34.6	33.8	35.5	38.0	36.3	32.1	33.8	35.5	33.8	32.9	32.9
72.5°	18.6	18.6	20.3	22.0	20.3	18.6	18.6	19.4	18.6	18.6	18.6
75°	8.4	8.4	9.3	10.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4
77.5°	2.5	2.5	3.4	3.4	2.5	2.5	2.5	2.5	3.4	3.4	3.4
80°	0.8	1.7	1.7	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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)