

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: P632738

Luminaire Tested: GWS-SA2D-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12036.6 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

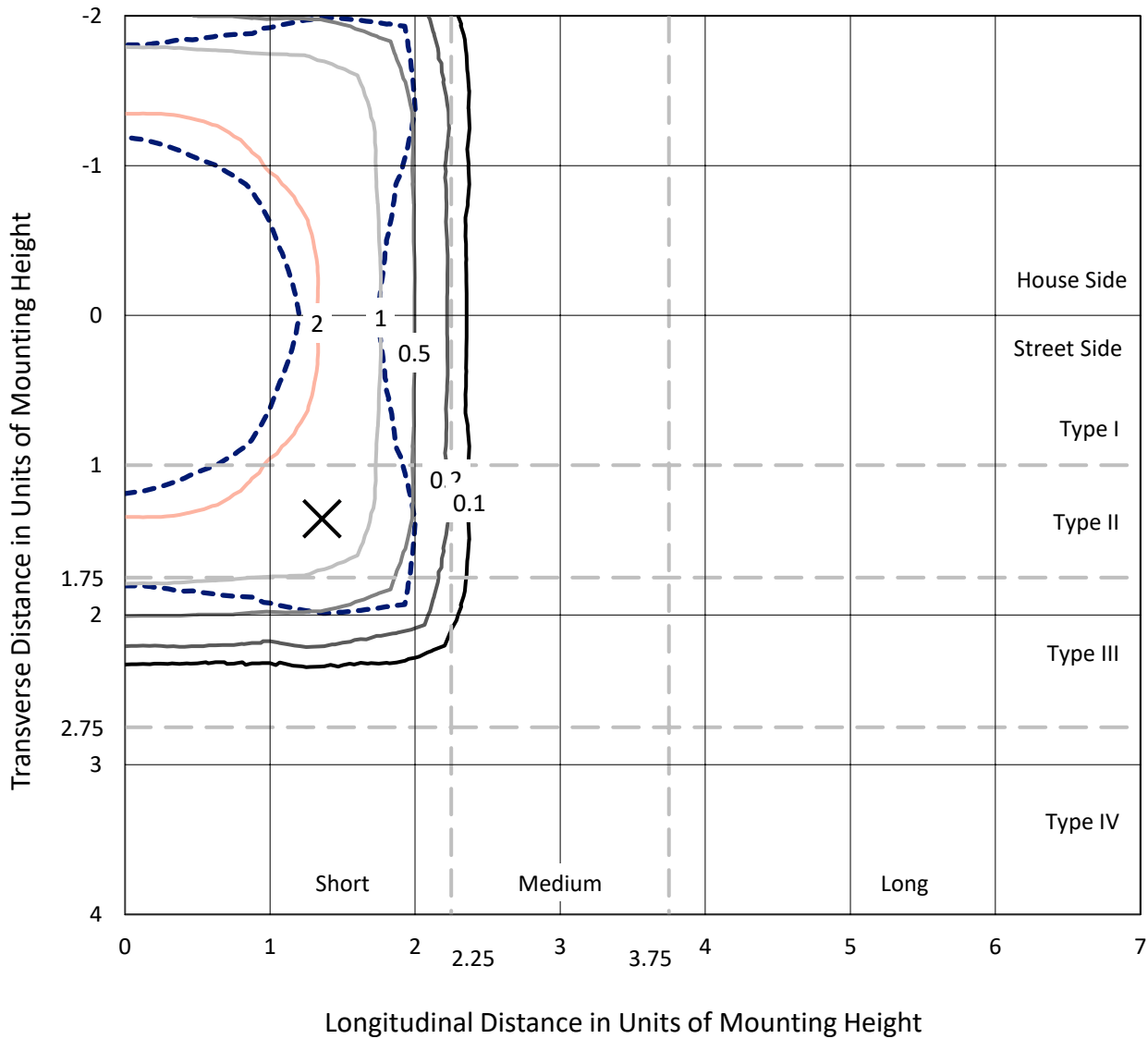
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

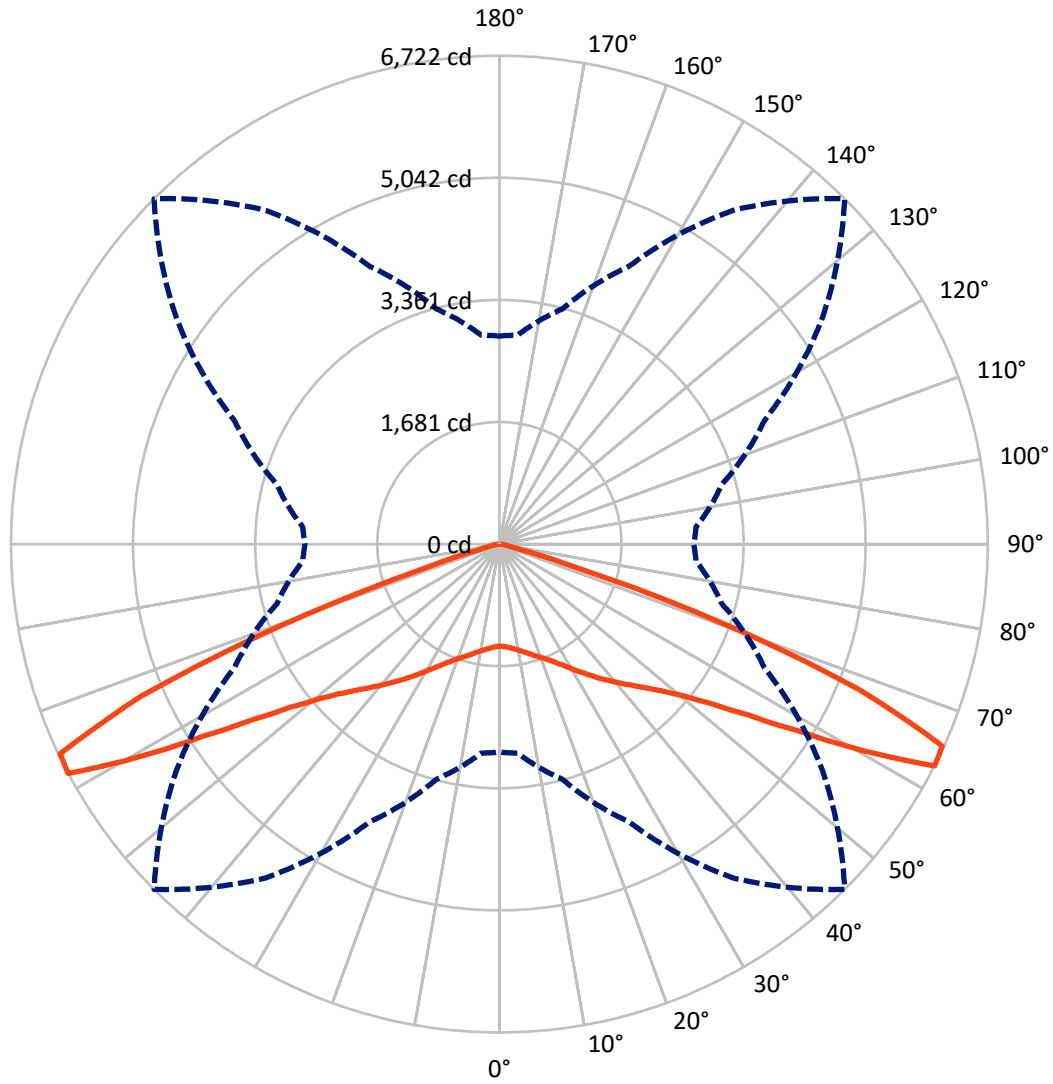
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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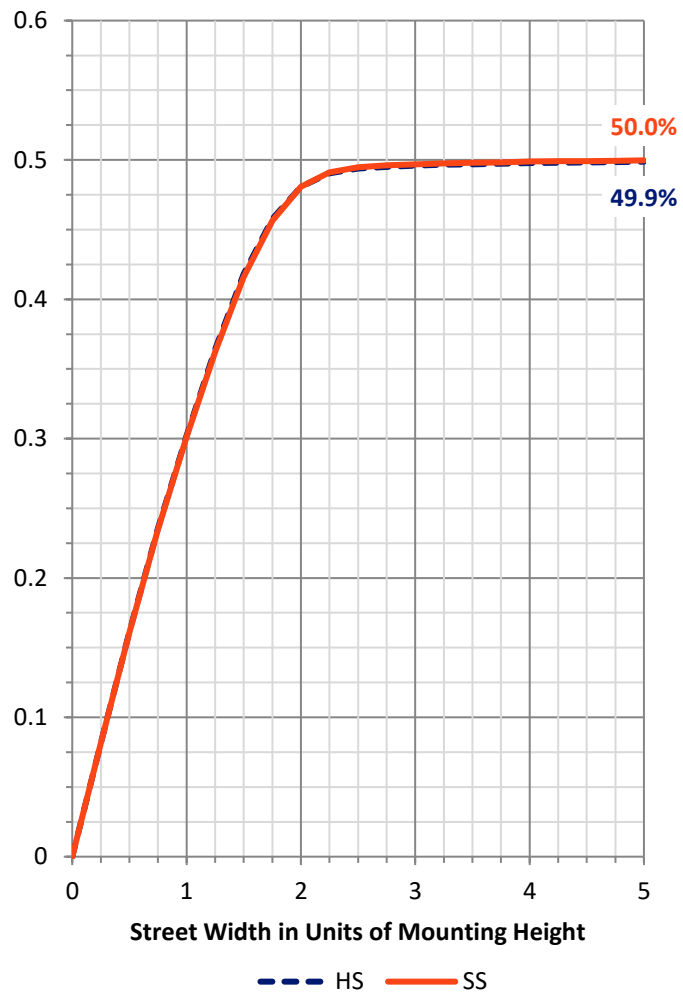
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6018.3	0.0	6018.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6018.3	0.0	6018.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	12036.6	0.0	12036.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.8	1.1
10°-20°	444.3	3.7
20°-30°	840.6	7.0
30°-40°	1414.8	11.8
40°-50°	2260.4	18.8
50°-60°	3643.7	30.3
60°-70°	2972.8	24.7
70°-80°	288.7	2.4
80°-90°	33.6	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°	12036.6	100.0
0°-180°	12036.6	100.0

Coefficient of Utilization



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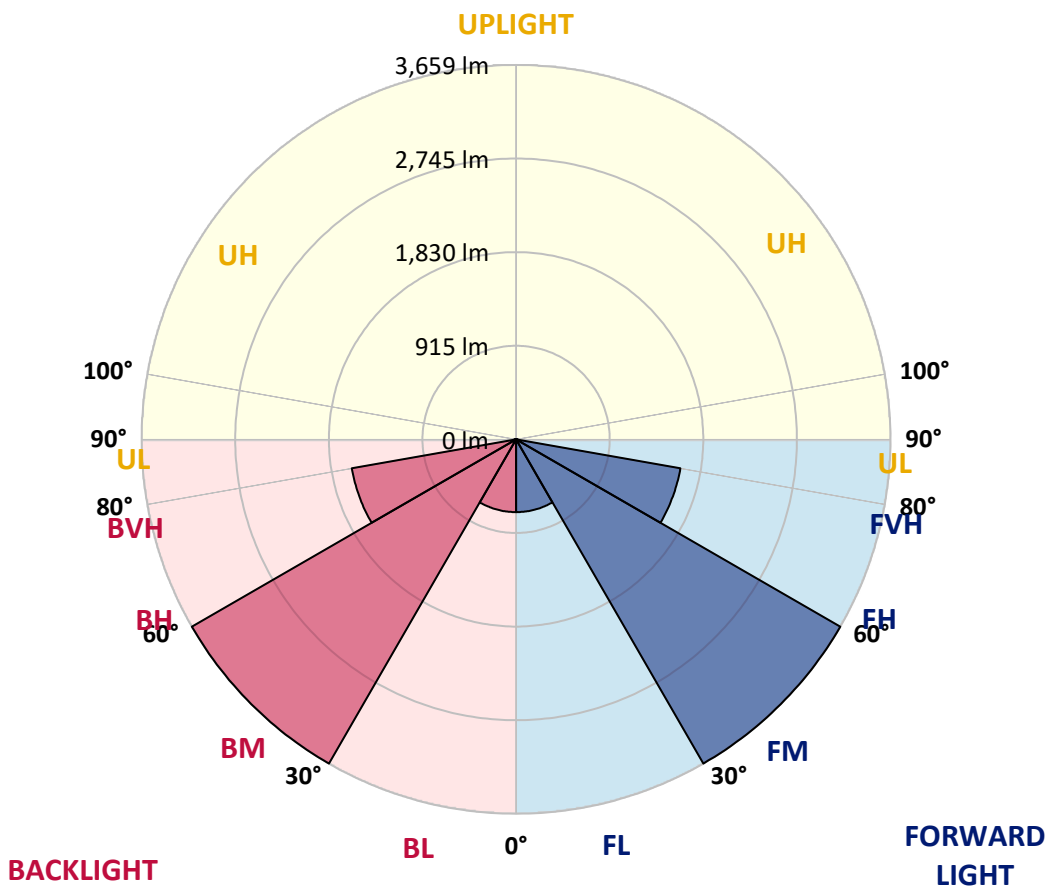
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	711.3	5.9			
FM (30°-60°)	3659.4	30.4			
FH (60°-80°)	1630.8	13.5			G1/1800
FVH (80°-90°)	16.8	0.1			G1/100
BL (0°-30°)	711.3	5.9	B2/1000		
BM (30°-60°)	3659.4	30.4	B3/5000		
BH (60°-80°)	1630.8	13.5	B3/2500		G1/1800
BVH (80°-90°)	16.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1404.2	1404.2	1404.2	1404.2	1404.2	1404.2	1404.2	1404.2	1404.2	1404.2	1404.2
2.5°	1402.6	1402.6	1405.9	1408.4	1406.7	1413.3	1412.5	1410.8	1410.0	1407.5	1415.0
5°	1421.6	1421.6	1424.0	1426.5	1422.4	1430.6	1427.3	1425.7	1424.9	1421.6	1428.2
7.5°	1443.0	1445.5	1446.3	1450.5	1448.0	1457.1	1454.6	1451.3	1449.6	1445.5	1451.3
10°	1467.0	1468.6	1469.4	1476.9	1477.7	1488.4	1486.0	1481.8	1478.5	1474.4	1482.7
12.5°	1499.2	1500.0	1502.5	1511.6	1514.0	1522.3	1521.5	1515.7	1511.6	1505.8	1514.9
15°	1540.4	1541.3	1545.4	1554.5	1558.6	1568.5	1565.2	1556.1	1550.4	1543.7	1551.2
17.5°	1583.4	1586.7	1590.8	1599.9	1605.7	1617.2	1613.1	1603.2	1598.2	1591.6	1596.6
20°	1638.7	1639.5	1642.0	1651.9	1656.0	1669.2	1670.1	1660.1	1657.7	1651.1	1658.5
22.5°	1699.8	1700.6	1703.1	1713.8	1721.2	1729.5	1734.4	1728.7	1724.5	1716.3	1725.4
25°	1767.5	1775.7	1778.2	1791.4	1799.7	1804.6	1810.4	1807.9	1802.1	1792.2	1796.4
27.5°	1862.4	1864.1	1868.2	1883.0	1888.0	1892.9	1898.7	1899.6	1891.3	1879.7	1885.5
30°	1970.5	1969.7	1978.8	1990.4	1994.5	1998.6	2006.9	2011.8	2001.1	1988.7	1994.5
32.5°	2081.2	2091.1	2102.6	2113.4	2110.9	2112.5	2125.7	2134.8	2120.0	2097.7	2102.6
35°	2205.8	2212.4	2227.3	2243.0	2239.7	2237.2	2245.4	2254.5	2233.9	2205.0	2212.4
37.5°	2333.8	2343.7	2366.0	2385.0	2380.0	2368.5	2377.5	2387.4	2367.6	2334.6	2331.3
40°	2476.6	2492.3	2524.5	2540.2	2527.0	2504.7	2520.4	2544.3	2524.5	2486.5	2477.4
42.5°	2644.2	2663.2	2695.4	2719.3	2690.4	2654.1	2680.5	2715.2	2710.2	2659.9	2644.2
45°	2851.4	2863.8	2903.4	2915.0	2872.0	2821.7	2869.6	2922.4	2910.0	2855.5	2834.9
47.5°	3076.8	3095.7	3130.4	3151.9	3082.5	3019.8	3086.7	3157.7	3144.5	3093.3	3069.3
50°	3364.0	3388.8	3434.2	3452.4	3356.6	3284.8	3370.7	3460.6	3435.0	3366.5	3335.2
52.5°	3676.9	3696.7	3774.3	3810.7	3720.7	3643.1	3718.2	3806.5	3752.0	3661.2	3619.1
55°	3952.7	3972.5	4086.4	4206.9	4202.8	4149.1	4187.1	4188.8	4041.0	3890.7	3846.2
57.5°	4012.1	4031.9	4249.0	4564.4	4787.3	4849.2	4737.7	4503.3	4131.0	3867.6	3817.3
60°	3695.1	3717.4	4062.4	4638.7	5371.7	5785.3	5271.9	4496.7	3852.8	3496.1	3448.3
62.5°	2862.9	2886.9	3350.8	4216.0	5607.8	6722.3	5427.1	4023.6	3169.2	2717.7	2675.6
65°	1367.1	1367.1	1956.5	3023.9	5137.3	6700.0	4978.0	2976.9	1907.8	1465.3	1429.0
67.5°	338.5	340.1	503.6	1177.2	3494.5	5347.0	3551.4	1429.0	672.0	475.5	463.1
70°	211.3	210.5	233.6	318.7	1222.6	3245.2	1452.1	430.9	273.3	241.1	239.4
72.5°	164.3	164.3	175.8	203.9	320.3	1105.4	423.5	239.4	198.1	178.3	178.3
75°	129.6	129.6	137.9	152.7	189.0	284.8	225.4	177.5	153.5	140.3	138.7
77.5°	96.6	98.2	104.8	114.7	128.8	160.2	142.8	133.7	119.7	109.8	106.5
80°	62.7	65.2	73.5	79.3	84.2	105.7	93.3	97.4	90.8	79.3	77.6
82.5°	33.8	34.7	44.6	46.2	47.9	57.8	59.4	61.9	64.4	50.4	47.1
85°	12.4	12.4	14.9	17.3	19.0	20.6	28.1	34.7	36.3	28.9	28.1
87.5°	2.5	2.5	2.5	1.7	1.7	1.7	5.0	9.1	14.9	11.6	11.6
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)