

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: P632736

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632736
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8103.6 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

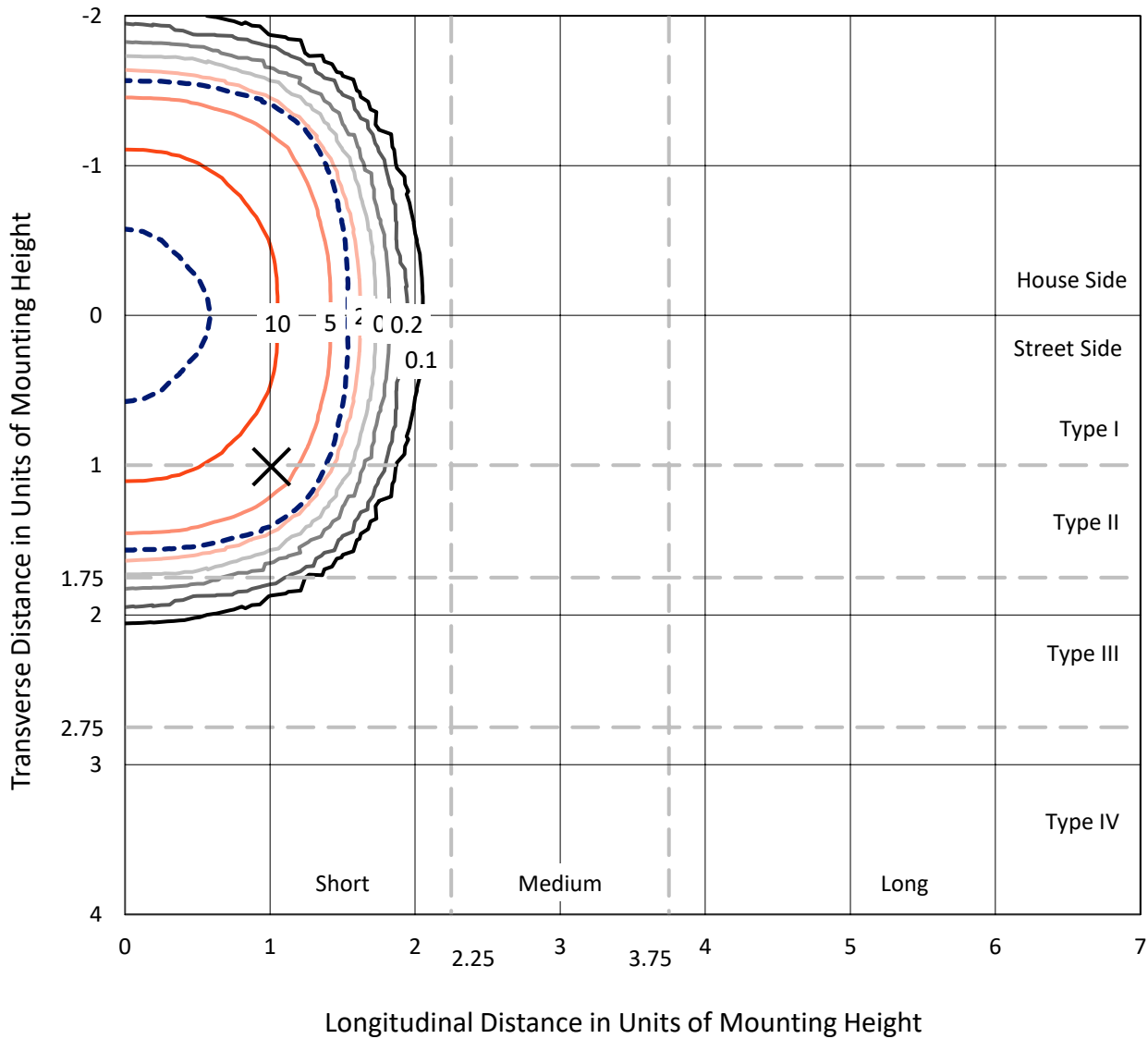
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

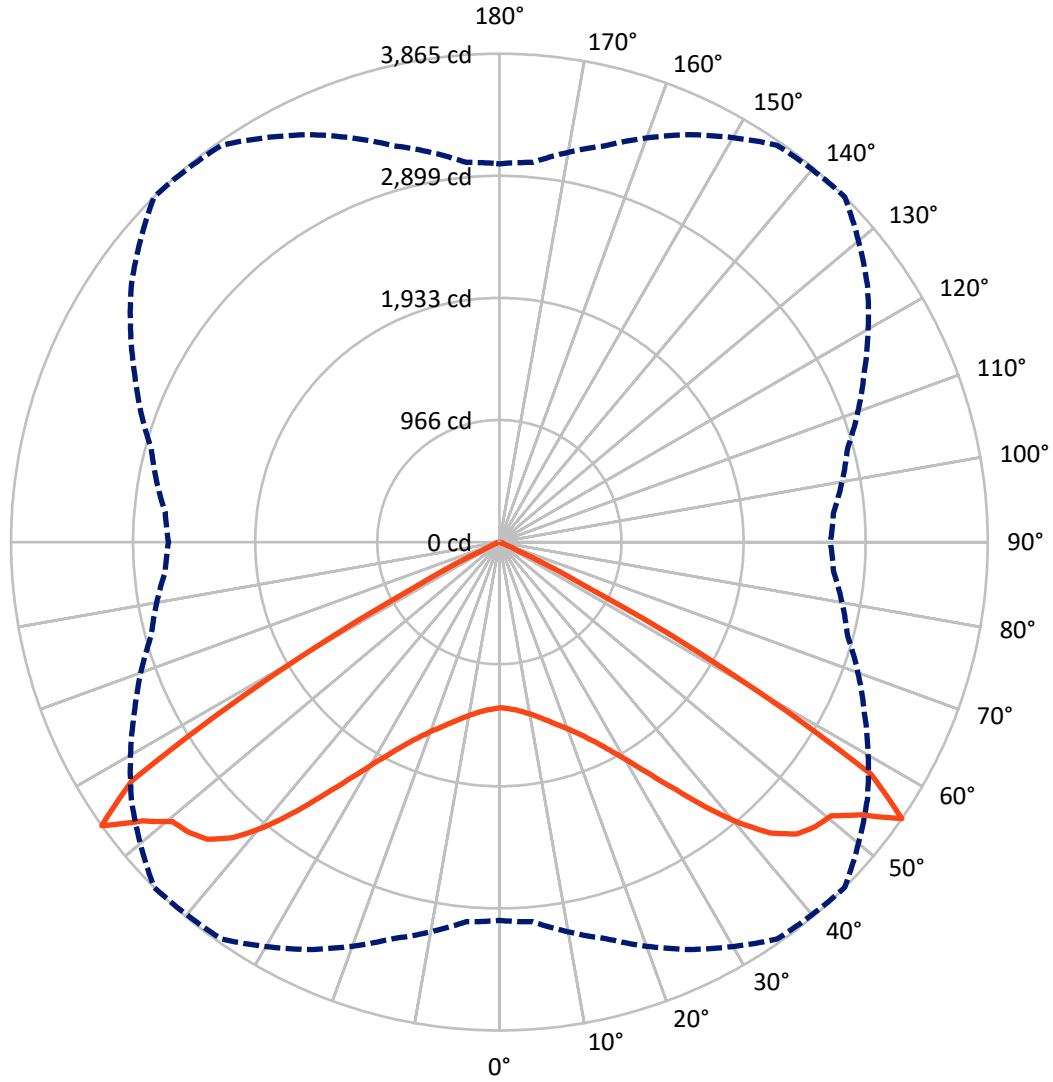
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 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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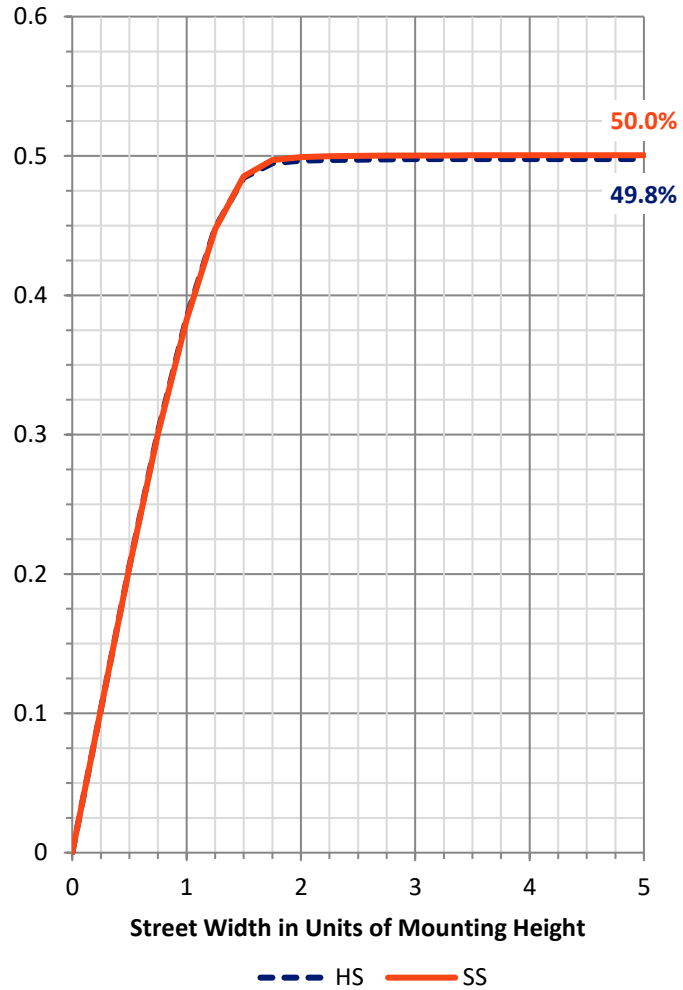
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4051.8	0.0	4051.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4051.8	0.0	4051.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	8103.6	0.0	8103.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	1.6
10°-20°	416.1	5.1
20°-30°	805.9	9.9
30°-40°	1443.8	17.8
40°-50°	2420.6	29.9
50°-60°	2591.1	32.0
60°-70°	284.7	3.5
70°-80°	12.6	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°	8103.6	100.0
0°-180°	8103.6	100.0

Coefficient of Utilization



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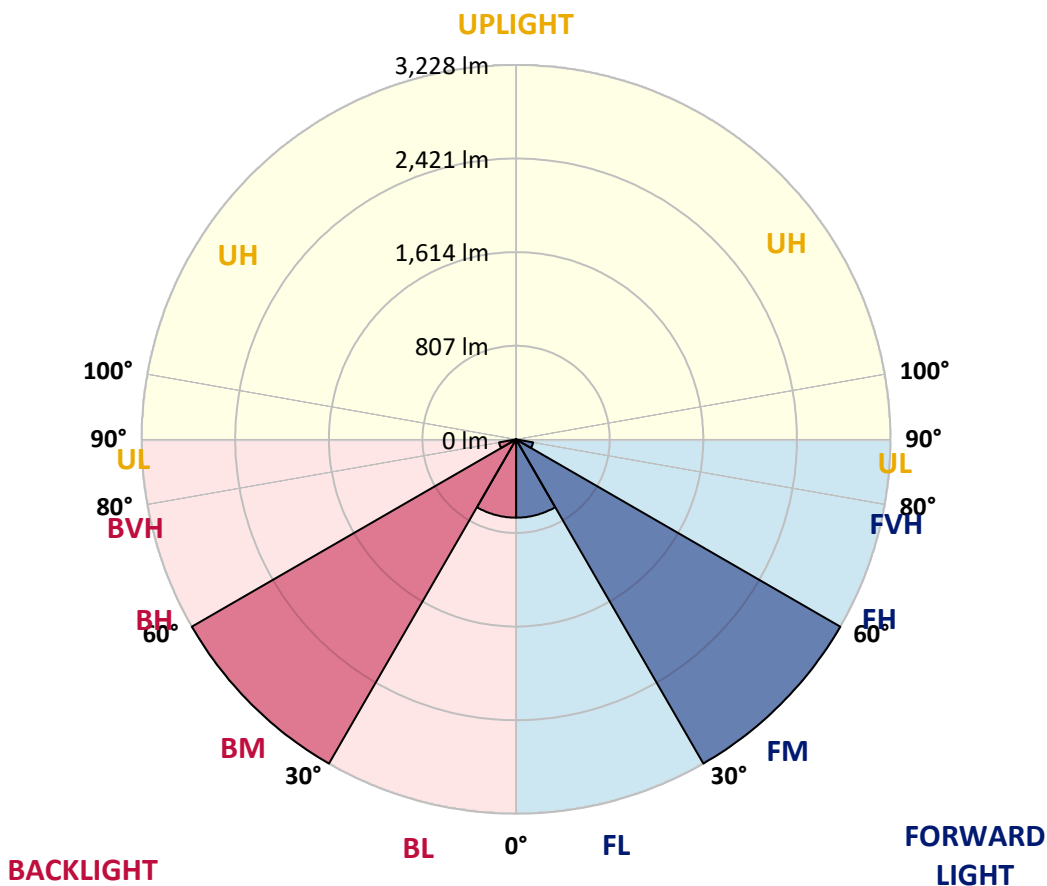
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	675.2	8.3			
FM (30°-60°)	3227.7	39.8			
FH (60°-80°)	148.6	1.8			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	675.2	8.3	B2/1000		
BM (30°-60°)	3227.7	39.8	B3/5000		
BH (60°-80°)	148.6	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°	1310.2	1310.2	1310.2	1310.2	1310.2	1310.2	1310.2	1310.2	1310.2	1310.2	1310.2
2.5°	1307.7	1307.7	1311.0	1313.5	1313.5	1320.1	1317.6	1315.1	1315.1	1311.8	1318.5
5°	1326.7	1325.9	1329.2	1330.8	1327.5	1334.1	1330.0	1327.5	1325.9	1322.6	1329.2
7.5°	1347.3	1348.2	1349.0	1352.3	1350.6	1357.3	1354.0	1349.0	1347.3	1342.4	1349.0
10°	1372.1	1372.1	1373.8	1377.9	1378.7	1387.0	1383.7	1377.9	1372.9	1368.0	1374.6
12.5°	1403.5	1404.3	1406.8	1412.6	1415.9	1425.0	1420.0	1408.4	1401.0	1395.2	1402.7
15°	1448.9	1448.1	1451.4	1459.6	1463.8	1470.4	1462.9	1447.2	1438.2	1431.6	1436.5
17.5°	1498.4	1498.4	1500.1	1508.3	1514.1	1524.0	1514.9	1496.0	1487.7	1478.6	1483.6
20°	1552.9	1555.4	1557.0	1562.8	1572.7	1582.6	1575.2	1556.2	1547.1	1535.6	1541.4
22.5°	1624.7	1622.3	1623.1	1633.0	1647.0	1656.9	1651.2	1628.9	1613.2	1604.1	1607.4
25°	1704.8	1704.0	1706.5	1721.3	1737.0	1747.8	1739.5	1710.6	1694.9	1679.2	1685.8
27.5°	1803.1	1803.9	1805.5	1823.7	1848.5	1864.2	1843.5	1814.6	1793.2	1772.5	1777.5
30°	1919.5	1917.8	1922.8	1947.5	1983.9	2008.6	1984.7	1944.2	1913.7	1893.9	1896.4
32.5°	2043.3	2045.0	2058.2	2097.8	2145.7	2189.4	2140.7	2087.1	2047.4	2010.3	2015.2
35°	2177.1	2181.2	2210.9	2269.5	2348.0	2406.6	2338.9	2250.5	2194.4	2146.5	2148.2
37.5°	2334.7	2344.6	2385.9	2473.4	2585.7	2664.1	2565.1	2447.8	2375.2	2315.8	2311.6
40°	2542.0	2553.5	2609.7	2713.7	2849.9	2921.7	2807.0	2686.4	2596.5	2532.1	2522.1
42.5°	2779.7	2794.6	2855.7	2962.2	3098.4	3147.1	3034.8	2933.3	2852.4	2776.4	2773.1
45°	3048.0	3056.3	3105.8	3187.6	3285.8	3297.4	3213.2	3157.0	3075.3	3004.3	2998.5
47.5°	3299.8	3308.1	3341.9	3384.1	3407.2	3365.9	3351.0	3326.3	3220.6	3133.1	3114.9
50°	3491.4	3498.0	3540.1	3556.6	3492.2	3404.7	3433.6	3380.8	3266.0	3167.8	3139.7
52.5°	3478.2	3494.7	3602.8	3696.9	3656.5	3585.5	3507.9	3394.0	3215.6	3081.1	3046.4
55°	2994.4	3016.7	3248.7	3558.3	3834.8	3865.4	3554.9	3187.6	2852.4	2655.1	2619.6
57.5°	1924.4	1930.2	2213.4	2647.6	3270.9	3467.4	2948.1	2403.3	1986.3	1769.2	1754.4
60°	707.5	696.0	909.8	1269.7	1884.0	2092.0	1735.4	1215.3	866.9	713.3	700.9
62.5°	170.1	171.7	213.0	319.5	591.1	731.5	577.9	322.8	205.6	172.5	170.9
65°	85.9	84.2	85.0	91.6	126.3	151.1	123.8	87.5	84.2	85.0	84.2
67.5°	55.3	54.5	56.1	57.0	56.1	52.8	52.0	53.7	53.7	54.5	52.8
70°	33.8	33.0	34.7	37.2	35.5	31.4	33.0	34.7	33.0	32.2	32.2
72.5°	18.2	18.2	19.8	21.5	19.8	18.2	18.2	19.0	18.2	18.2	18.2
75°	8.3	8.3	9.1	9.9	8.3	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	2.5	2.5	3.3	3.3	2.5	2.5	2.5	2.5	3.3	3.3	3.3
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)