

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: P633506

Luminaire Tested: GWS-SA2E-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633506
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-SA2E-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8156.3 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

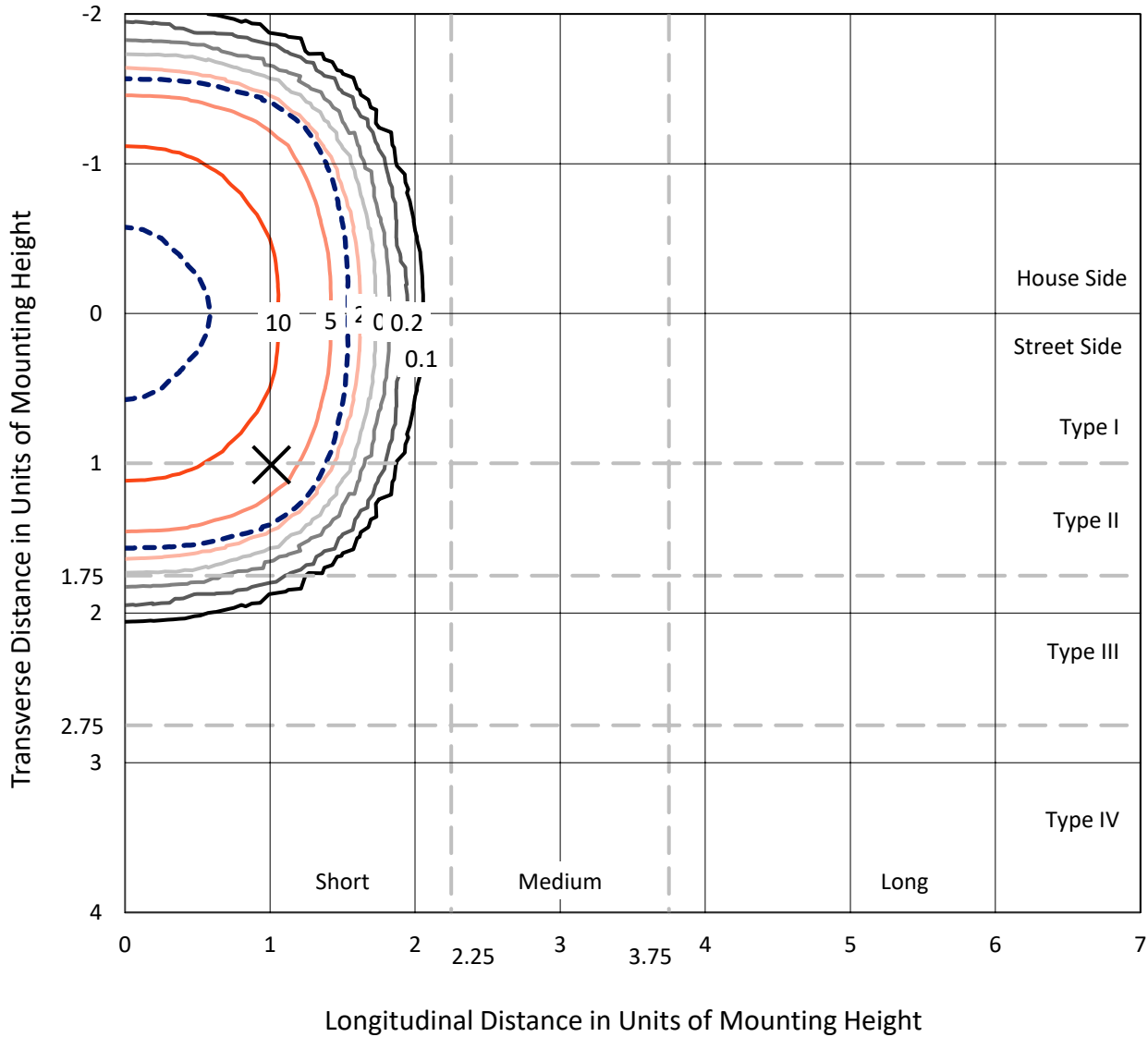
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

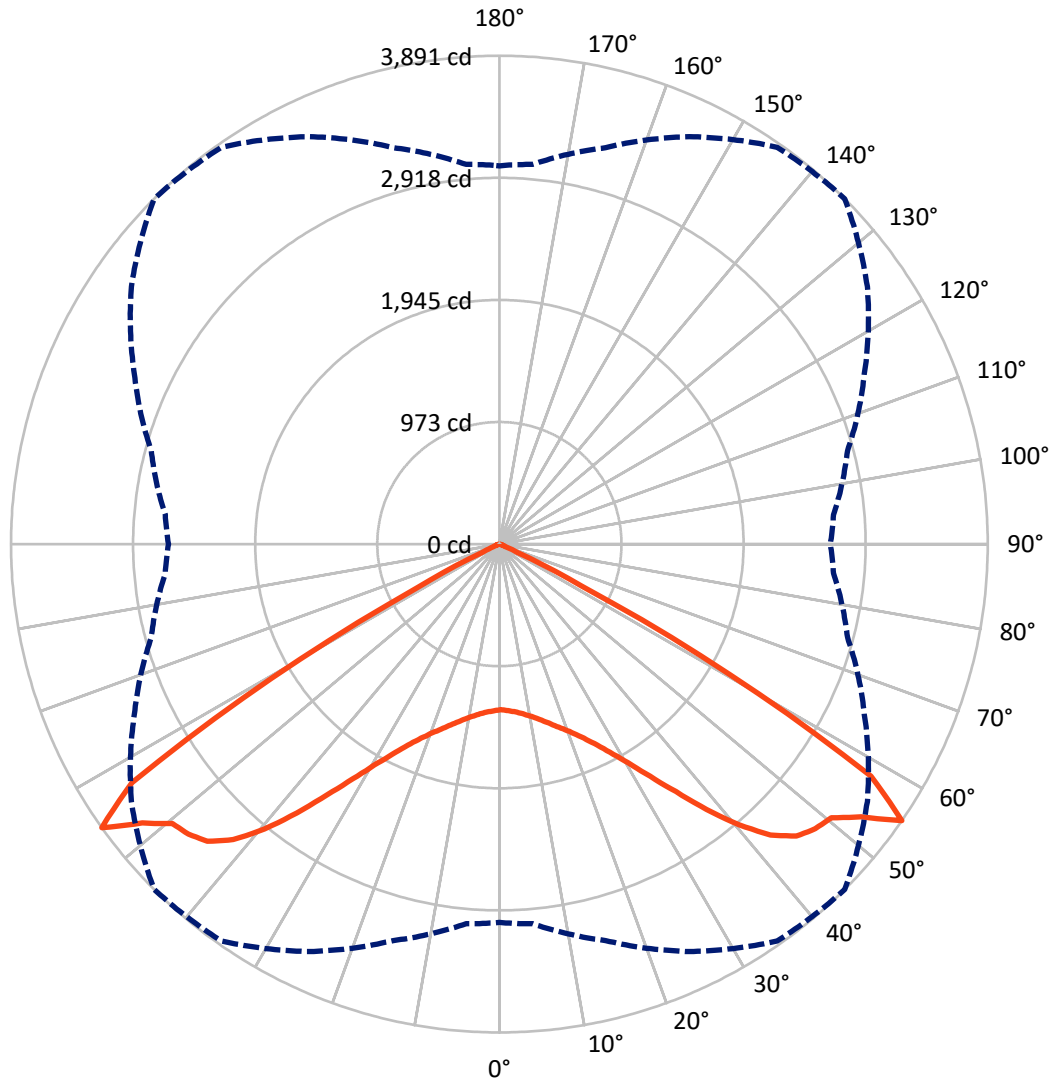
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 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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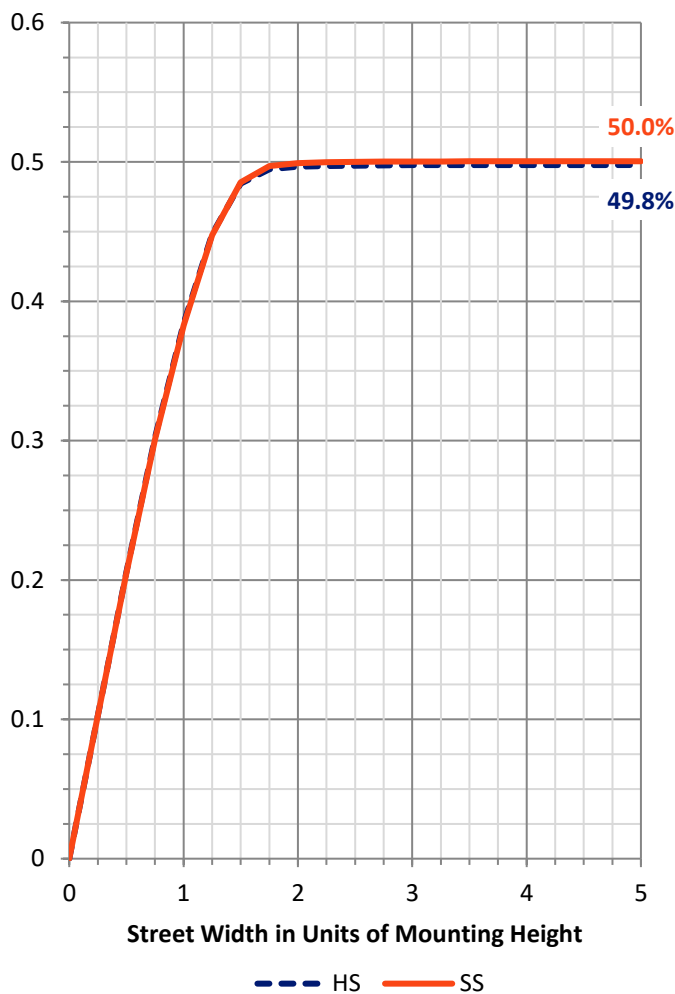
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4078.1	0.0	4078.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4078.1	0.0	4078.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	8156.3	0.0	8156.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.2	1.6
10°-20°	418.8	5.1
20°-30°	811.1	9.9
30°-40°	1453.1	17.8
40°-50°	2436.3	29.9
50°-60°	2607.9	32.0
60°-70°	286.6	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°	8156.3	100.0
0°-180°	8156.3	100.0

Coefficient of Utilization



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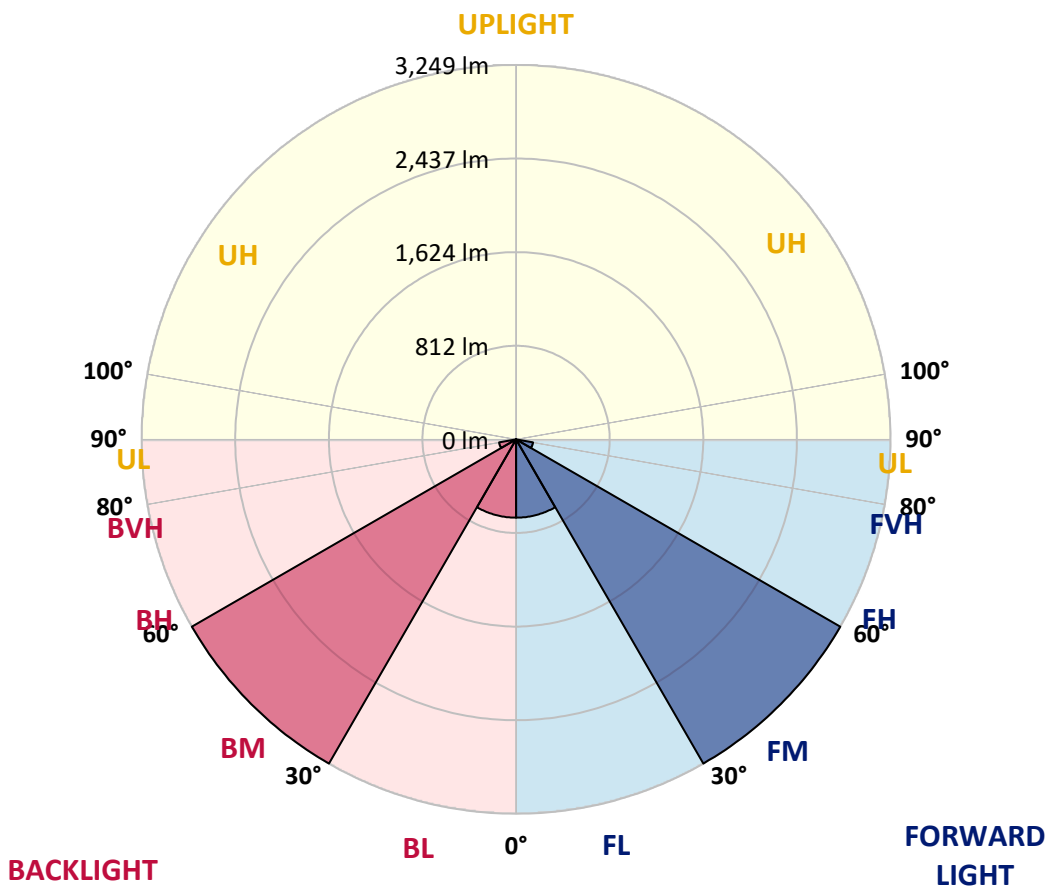
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	679.6	8.3			
FM (30°-60°)	3248.7	39.8			
FH (60°-80°)	149.6	1.8			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	679.6	8.3	B2/1000		
BM (30°-60°)	3248.7	39.8	B3/5000		
BH (60°-80°)	149.6	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°	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7
2.5°	1316.2	1316.2	1319.5	1322.0	1322.0	1328.7	1326.2	1323.7	1323.7	1320.4	1327.0
5°	1335.3	1334.5	1337.8	1339.5	1336.2	1342.8	1338.7	1336.2	1334.5	1331.2	1337.8
7.5°	1356.1	1356.9	1357.8	1361.1	1359.4	1366.1	1362.8	1357.8	1356.1	1351.1	1357.8
10°	1381.0	1381.0	1382.7	1386.9	1387.7	1396.0	1392.7	1386.9	1381.9	1376.9	1383.5
12.5°	1412.6	1413.4	1415.9	1421.8	1425.1	1434.2	1429.2	1417.6	1410.1	1404.3	1411.8
15°	1458.3	1457.5	1460.8	1469.1	1473.3	1479.9	1472.4	1456.7	1447.5	1440.9	1445.9
17.5°	1508.2	1508.2	1509.8	1518.1	1524.0	1533.9	1524.8	1505.7	1497.4	1488.2	1493.2
20°	1563.0	1565.5	1567.2	1573.0	1583.0	1592.9	1585.5	1566.3	1557.2	1545.6	1551.4
22.5°	1635.3	1632.8	1633.6	1643.6	1657.7	1667.7	1661.9	1639.5	1623.7	1614.5	1617.9
25°	1715.9	1715.1	1717.6	1732.5	1748.3	1759.1	1750.8	1721.7	1705.9	1690.2	1696.8
27.5°	1814.8	1815.6	1817.3	1835.6	1860.5	1876.3	1855.5	1826.4	1804.8	1784.0	1789.0
30°	1932.0	1930.3	1935.3	1960.2	1996.8	2021.7	1997.6	1956.9	1926.1	1906.2	1908.7
32.5°	2056.6	2058.3	2071.6	2111.4	2159.6	2203.7	2154.7	2100.6	2060.8	2023.4	2028.3
35°	2191.2	2195.4	2225.3	2284.3	2363.2	2422.2	2354.1	2265.2	2208.7	2160.5	2162.1
37.5°	2349.9	2359.9	2401.4	2489.5	2602.5	2681.5	2581.8	2463.8	2390.6	2330.8	2326.7
40°	2558.5	2570.1	2626.6	2731.3	2868.4	2940.7	2825.2	2703.9	2613.3	2548.5	2538.6
42.5°	2797.8	2812.8	2874.3	2981.4	3118.6	3167.6	3054.6	2952.4	2870.9	2794.5	2791.2
45°	3067.9	3076.2	3126.0	3208.3	3307.2	3318.8	3234.1	3177.6	3095.3	3023.8	3018.0
47.5°	3321.3	3329.6	3363.7	3406.1	3429.3	3387.8	3372.8	3347.9	3241.5	3153.5	3135.2
50°	3514.1	3520.7	3563.1	3579.7	3514.9	3426.8	3455.9	3402.7	3287.2	3188.4	3160.1
52.5°	3500.8	3517.4	3626.3	3721.0	3680.3	3608.8	3530.7	3416.0	3236.5	3101.1	3066.2
55°	3013.9	3036.3	3269.8	3581.4	3859.8	3890.5	3578.1	3208.3	2870.9	2672.3	2636.6
57.5°	1936.9	1942.8	2227.8	2664.9	3292.2	3490.0	2967.3	2418.9	1999.3	1780.7	1765.8
60°	712.1	700.5	915.7	1278.0	1896.2	2105.6	1746.7	1223.2	872.5	717.9	705.5
62.5°	171.2	172.8	214.4	321.6	595.0	736.2	581.7	324.9	206.9	173.7	172.0
65°	86.4	84.8	85.6	92.2	127.1	152.1	124.6	88.1	84.8	85.6	84.8
67.5°	55.7	54.8	56.5	57.3	56.5	53.2	52.3	54.0	54.0	54.8	53.2
70°	34.1	33.2	34.9	37.4	35.7	31.6	33.2	34.9	33.2	32.4	32.4
72.5°	18.3	18.3	19.9	21.6	19.9	18.3	18.3	19.1	18.3	18.3	18.3
75°	8.3	8.3	9.1	10.0	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)