

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: P635483

Luminaire Tested: GWS-SA3D-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-830-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8541.5 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 120.8
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

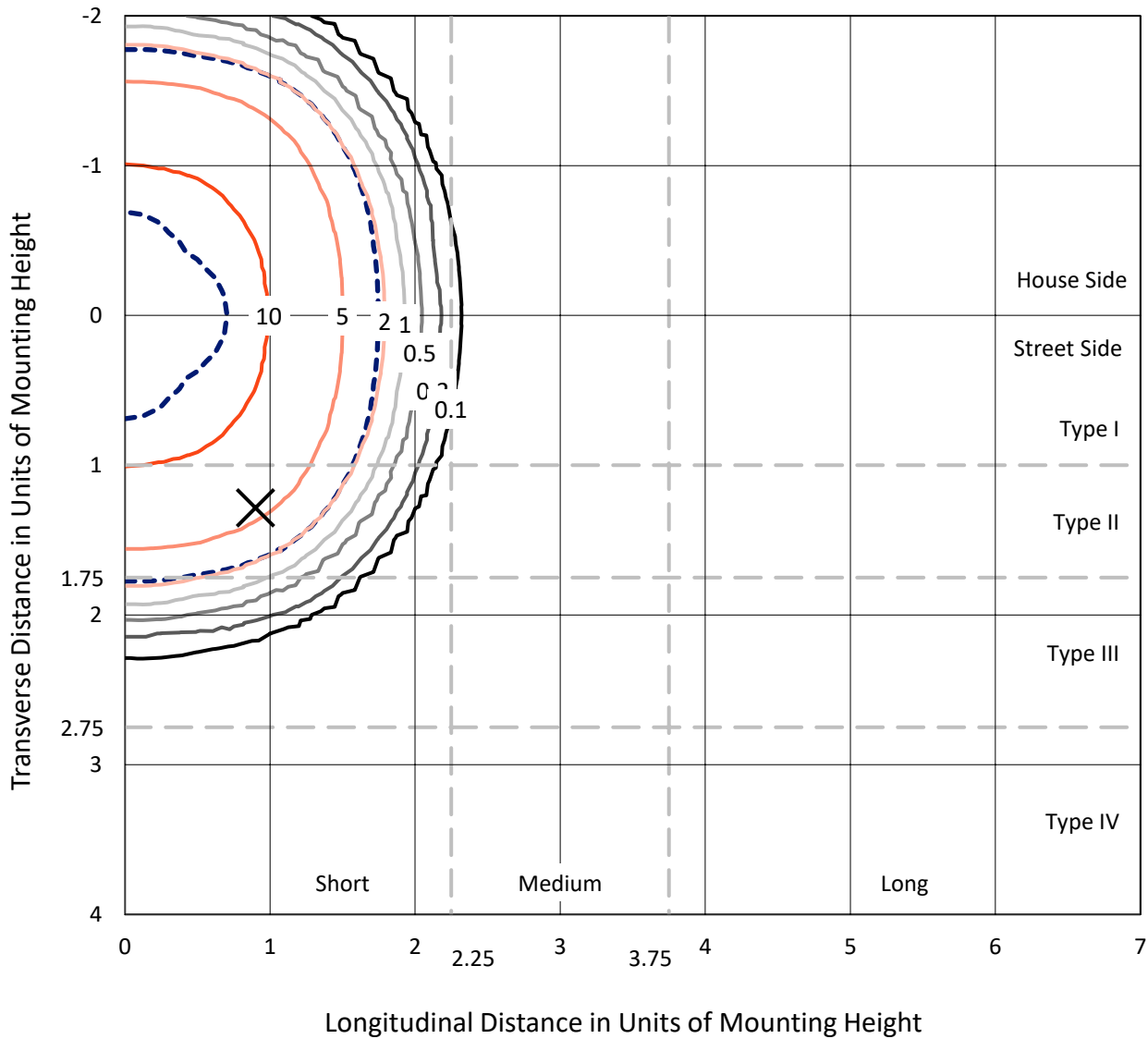


REPORT NUMBER: P635483

CATALOG NUMBER: GWS-SA3D-830-U-5MQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

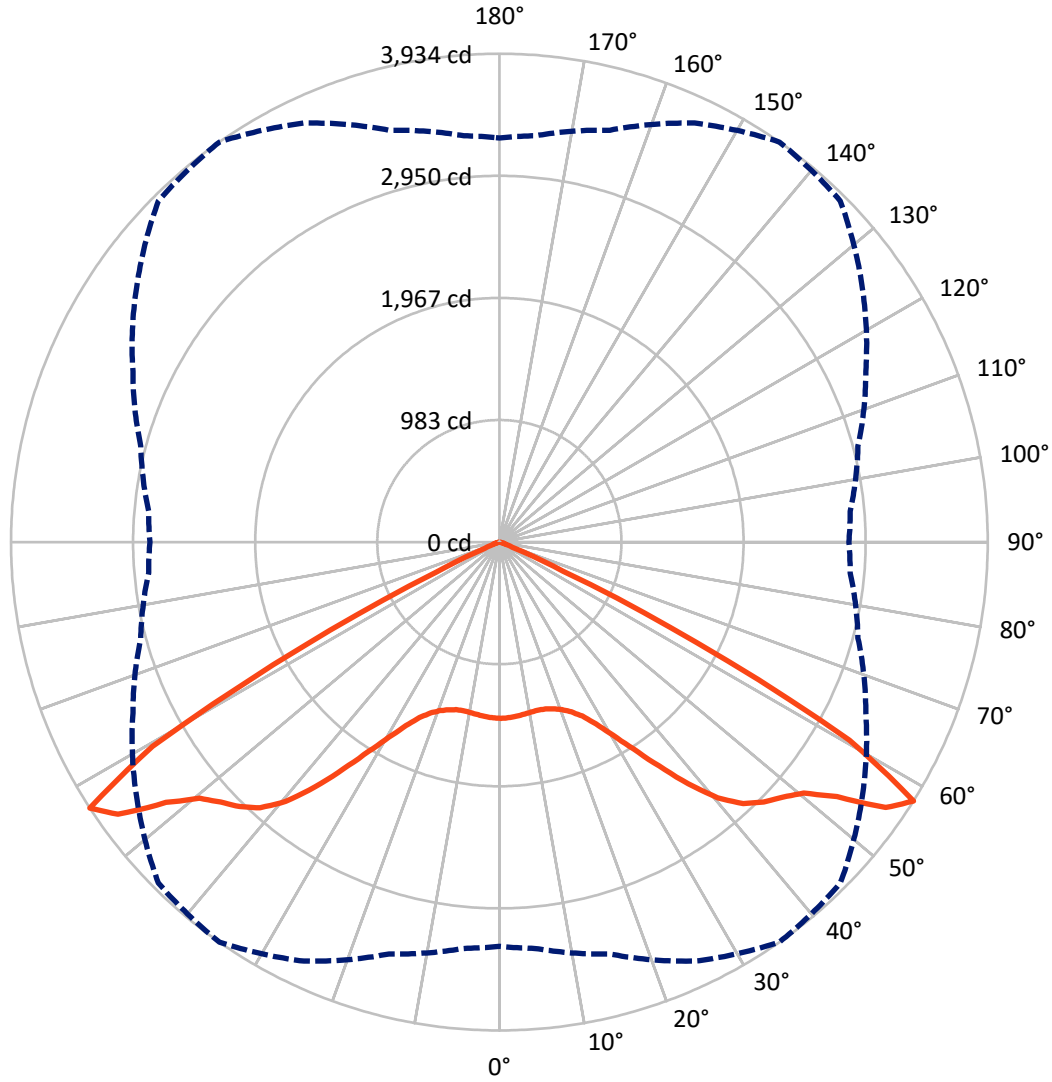
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.2 fc
 Type V - Short - N/A

REPORT NUMBER: P635483
CATALOG NUMBER: GWS-SA3D-830-U-5MQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P635483

CATALOG NUMBER: GWS-SA3D-830-U-5MQ-W-GRSBK

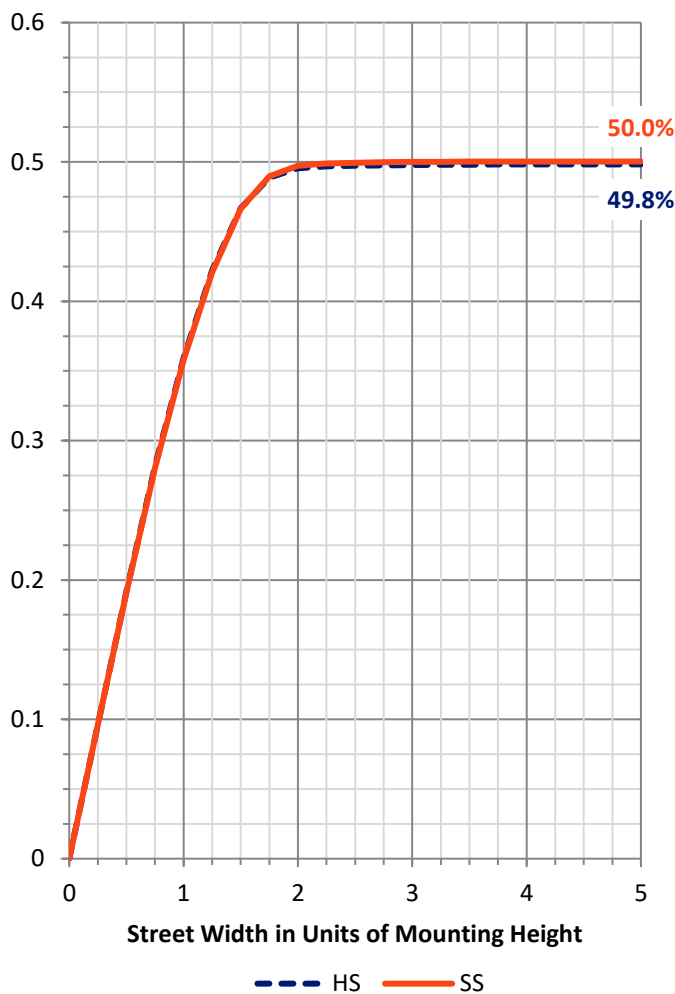
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4270.7	0.0	4270.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4270.7	0.0	4270.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	8541.5	0.0	8541.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	1.6
10°-20°	393.6	4.6
20°-30°	711.4	8.3
30°-40°	1327.2	15.5
40°-50°	2226.4	26.1
50°-60°	2940.1	34.4
60°-70°	780.8	9.1
70°-80°	27.7	0.3
80°-90°	0.5	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°	8541.5	100.0
0°-180°	8541.5	100.0

Coefficient of Utilization



REPORT NUMBER: P635483

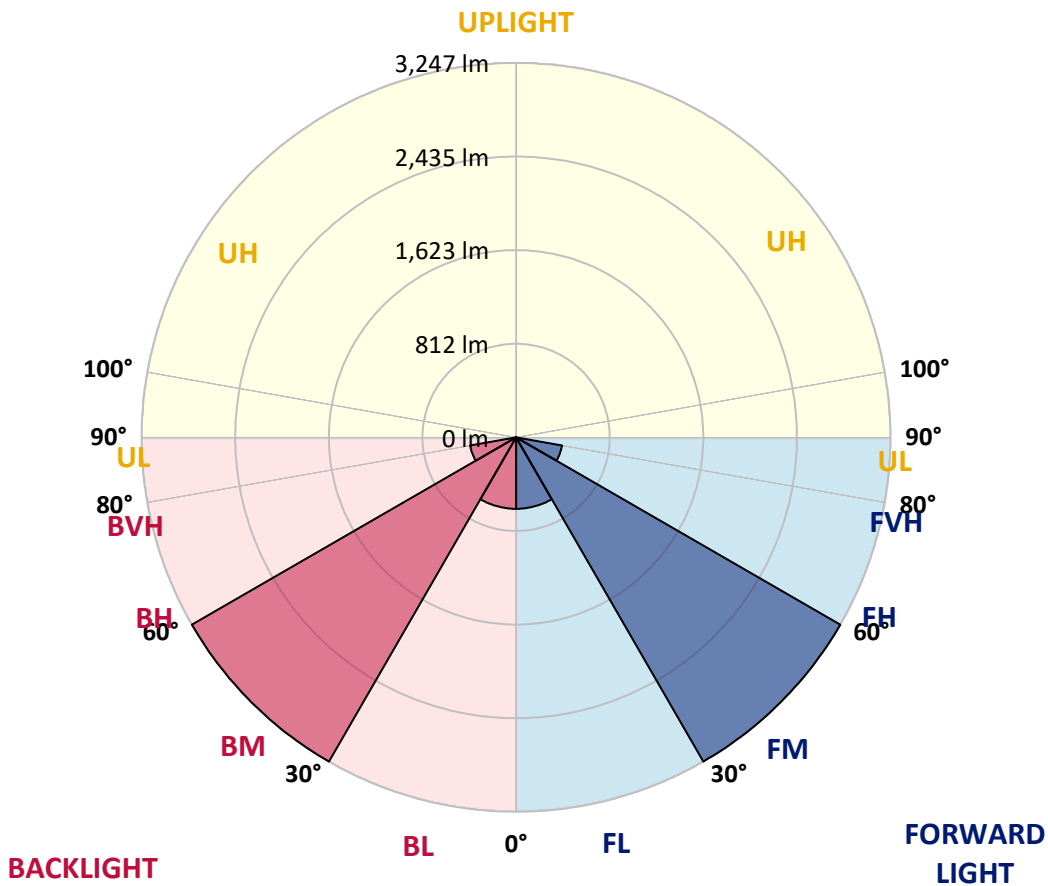
CATALOG NUMBER: GWS-SA3D-830-U-5MQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	619.4	7.3			
FM (30°-60°)	3246.8	38.0			
FH (60°-80°)	404.3	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	619.4	7.3	B2/1000		
BM (30°-60°)	3246.8	38.0	B3/5000		
BH (60°-80°)	404.3	4.7	B1/500		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: B3-U0-G0

Type V Short





REPORT NUMBER: P635483

CATALOG NUMBER: GWS-SA3D-830-U-5MQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1420.1	1420.1	1420.1	1420.1	1420.1	1420.1	1420.1	1420.1	1420.1	1420.1	1420.1
2.5°	1410.1	1409.1	1413.1	1416.1	1416.1	1423.1	1421.1	1419.1	1417.1	1414.1	1421.1
5°	1408.1	1407.1	1410.1	1412.1	1410.1	1416.1	1412.1	1408.1	1406.1	1402.1	1410.1
7.5°	1399.1	1400.1	1402.1	1404.1	1401.1	1406.1	1401.1	1395.0	1390.0	1386.0	1393.0
10°	1385.0	1386.0	1388.0	1392.0	1393.0	1400.1	1393.0	1382.0	1375.0	1369.0	1376.0
12.5°	1378.0	1379.0	1382.0	1387.0	1388.0	1397.1	1388.0	1372.0	1362.0	1355.0	1362.0
15°	1380.0	1382.0	1386.0	1392.0	1394.0	1403.1	1391.0	1370.0	1356.0	1346.9	1353.0
17.5°	1387.0	1389.0	1395.0	1405.1	1412.1	1421.1	1406.1	1379.0	1360.0	1346.9	1353.0
20°	1396.0	1399.1	1409.1	1425.1	1440.1	1456.2	1437.1	1400.1	1375.0	1359.0	1364.0
22.5°	1421.1	1424.1	1438.1	1459.2	1484.2	1504.3	1481.2	1434.1	1400.1	1379.0	1384.0
25°	1472.2	1475.2	1493.3	1520.3	1552.4	1578.4	1549.4	1490.3	1446.2	1422.1	1424.1
27.5°	1552.4	1555.4	1576.4	1614.5	1657.6	1694.7	1652.6	1583.5	1533.3	1505.3	1505.3
30°	1653.6	1657.6	1685.7	1736.8	1803.9	1853.0	1795.9	1711.7	1647.6	1609.5	1610.5
32.5°	1783.9	1779.9	1820.0	1890.1	1985.3	2050.5	1966.3	1864.1	1784.9	1731.8	1736.8
35°	1951.3	1950.3	1995.4	2090.6	2214.8	2293.0	2192.8	2060.5	1965.3	1911.2	1912.2
37.5°	2166.7	2165.7	2217.8	2321.1	2470.4	2535.5	2423.3	2289.0	2186.8	2134.7	2140.7
40°	2419.3	2413.3	2459.4	2558.6	2707.9	2750.0	2627.7	2519.5	2421.3	2388.2	2404.3
42.5°	2659.8	2646.8	2673.8	2764.0	2879.3	2885.3	2793.1	2718.9	2651.8	2625.7	2635.8
45°	2853.2	2843.2	2868.3	2920.4	2986.5	2956.5	2912.4	2889.3	2835.2	2807.1	2816.2
47.5°	2997.5	2997.5	3027.6	3059.7	3069.7	3014.6	3021.6	3021.6	2967.5	2923.4	2912.4
50°	3121.8	3130.8	3175.9	3209.0	3175.9	3105.8	3145.9	3137.9	3027.6	2939.4	2916.4
52.5°	3320.3	3329.3	3398.4	3443.5	3406.4	3337.3	3342.3	3242.1	3079.7	2975.5	2939.4
55°	3530.7	3552.8	3653.0	3773.2	3774.2	3703.1	3570.8	3393.4	3196.0	3082.7	3045.7
57.5°	3255.1	3285.2	3434.5	3724.1	3933.6	3884.5	3568.8	3257.1	2990.5	2836.2	2815.1
60°	2239.9	2292.0	2441.3	2837.2	3241.1	3260.1	2887.3	2537.5	2231.9	2041.5	2045.5
62.5°	946.1	999.2	1083.4	1409.1	1779.9	1802.9	1622.5	1372.0	1122.5	985.2	1006.2
65°	222.5	237.5	262.6	389.9	565.2	591.3	545.2	424.9	313.7	265.6	270.6
67.5°	97.2	99.2	94.2	100.2	124.3	127.3	123.3	108.2	102.2	104.2	104.2
70°	68.1	69.2	65.1	62.1	59.1	55.1	57.1	63.1	68.1	72.2	71.2
72.5°	42.1	43.1	44.1	44.1	41.1	37.1	39.1	43.1	44.1	45.1	44.1
75°	21.0	22.0	24.1	25.1	24.1	23.1	23.1	24.1	24.1	23.1	23.1
77.5°	4.0	5.0	7.0	8.0	8.0	8.0	8.0	8.0	9.0	8.0	8.0
80°	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
82.5°	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
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)