

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: P636479

Luminaire Tested: GWS-SA3F-830-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-830-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 10221.6 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 183.2
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

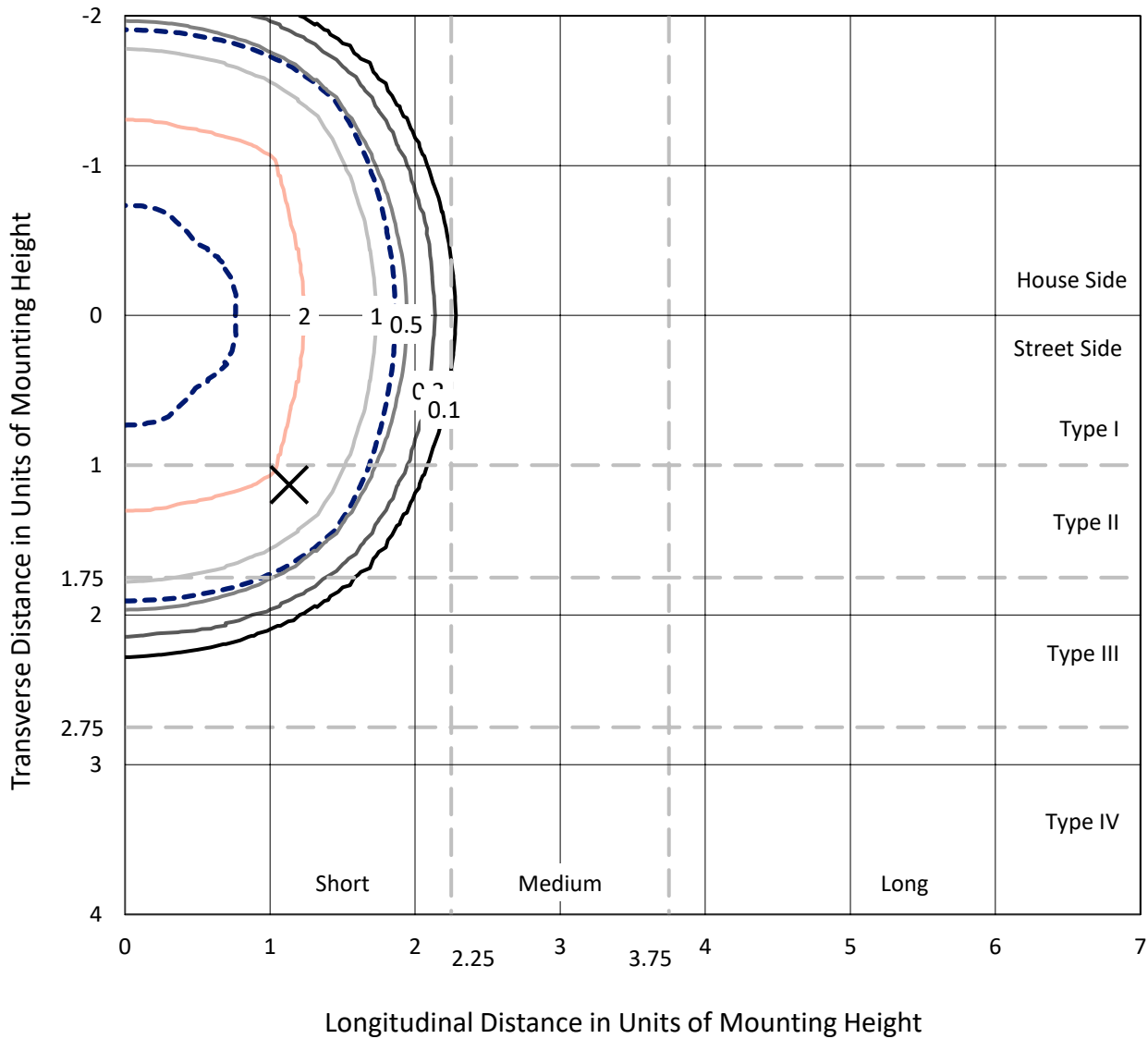


REPORT NUMBER: P636479

CATALOG NUMBER: GWS-SA3F-830-U-5WQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

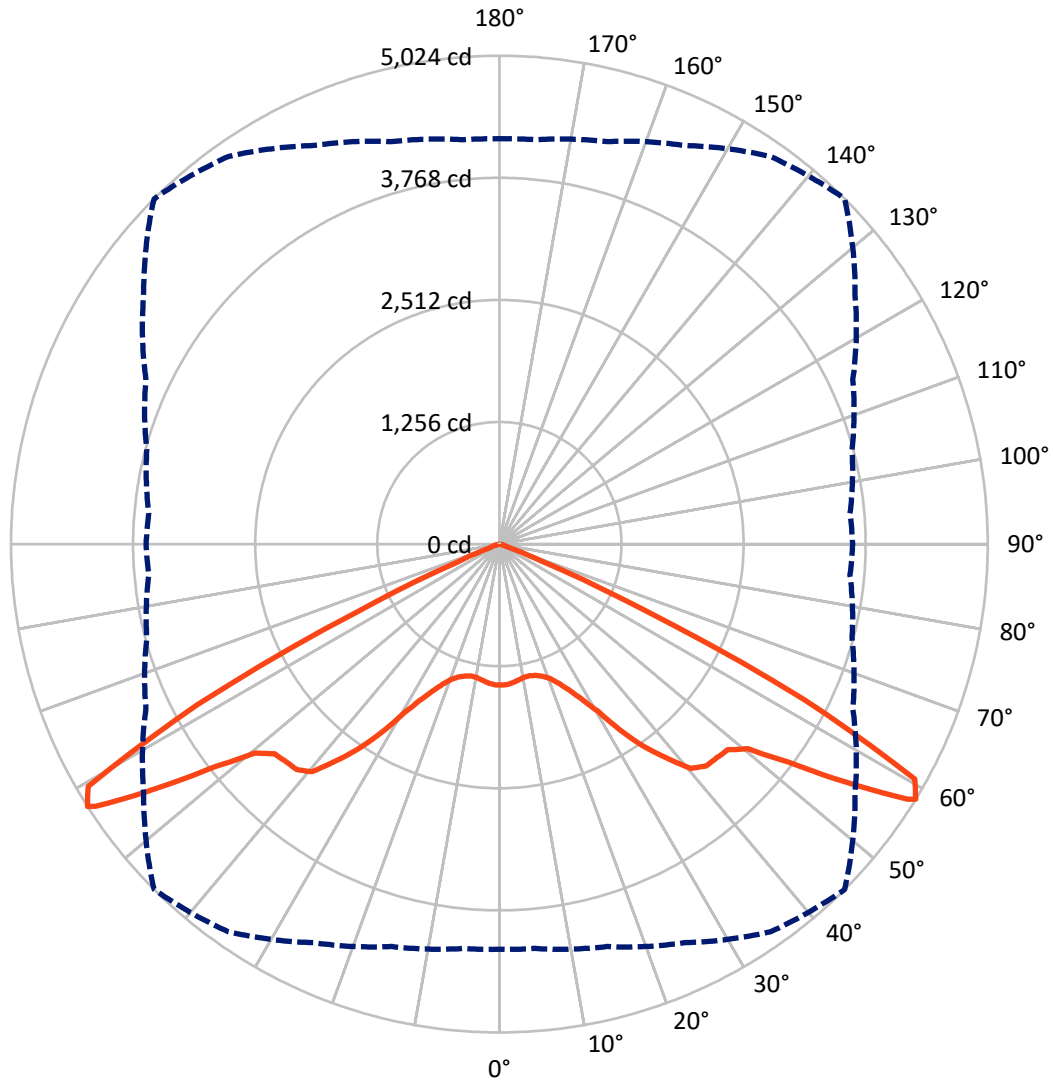
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P636479
CATALOG NUMBER: GWS-SA3F-830-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

REPORT NUMBER: P636479

CATALOG NUMBER: GWS-SA3F-830-U-5WQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5110.8	0.0	5110.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5110.8	0.0	5110.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	10221.6	0.0	10221.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.3	1.3
10°-20°	400.2	3.9
20°-30°	756.9	7.4
30°-40°	1492.7	14.6
40°-50°	2362.2	23.1
50°-60°	3472.2	34.0
60°-70°	1549.9	15.2
70°-80°	51.9	0.5
80°-90°	0.4	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°	10221.6	100.0
0°-180°	10221.6	100.0

Coefficient of Utilization



REPORT NUMBER: P636479

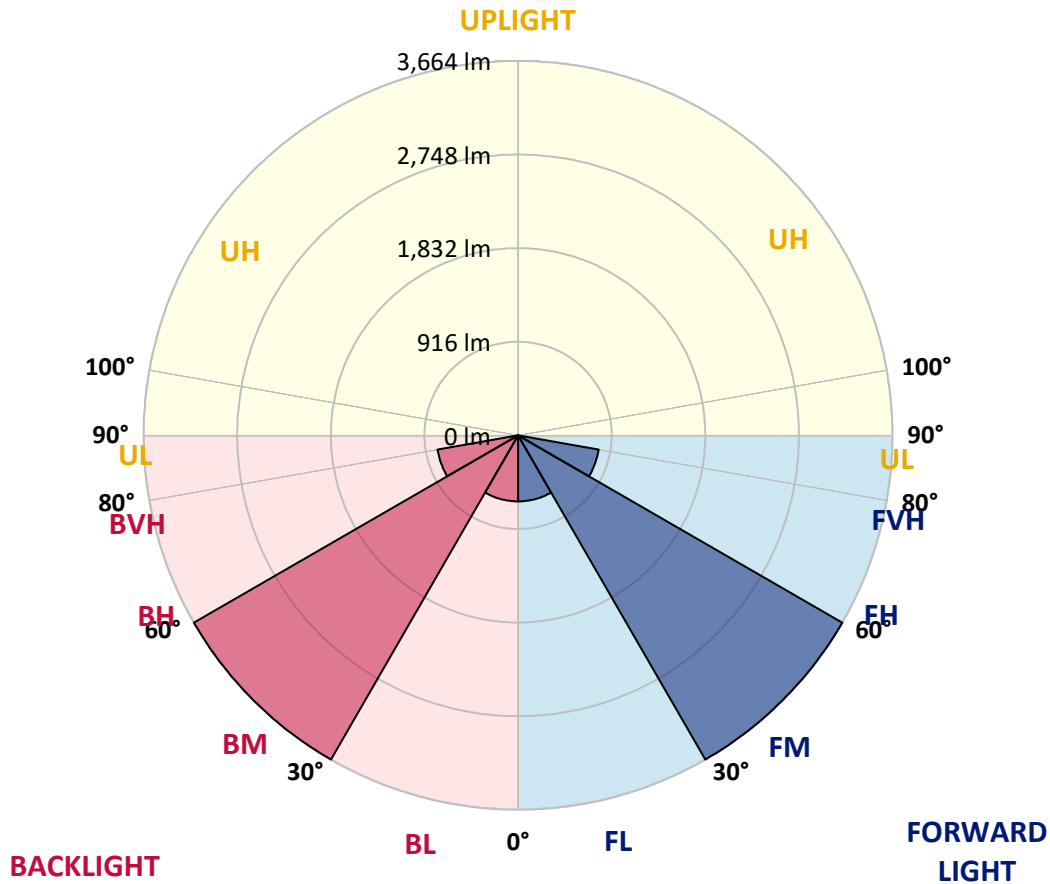
CATALOG NUMBER: GWS-SA3F-830-U-5WQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	646.1	6.3			
FM (30°-60°)	3663.5	35.8			
FH (60°-80°)	800.9	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	646.1	6.3	B2/1000		
BM (30°-60°)	3663.5	35.8	B3/5000		
BH (60°-80°)	800.9	7.8	B2/1000		G1/1800
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-G1

Type V Short





REPORT NUMBER: P636479

CATALOG NUMBER: GWS-SA3F-830-U-5WQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6
2.5°	1435.6	1438.4	1441.2	1442.6	1444.0	1448.2	1449.6	1445.4	1445.4	1437.0	1446.8
5°	1428.7	1431.5	1434.2	1432.8	1432.8	1432.8	1431.5	1425.9	1424.5	1416.1	1425.9
7.5°	1416.1	1418.9	1418.9	1414.7	1412.0	1412.0	1410.6	1403.6	1402.2	1393.9	1403.6
10°	1406.4	1407.8	1406.4	1398.0	1392.5	1392.5	1391.1	1388.3	1389.7	1384.1	1392.5
12.5°	1412.0	1413.4	1407.8	1396.6	1389.7	1388.3	1384.1	1379.9	1384.1	1382.7	1391.1
15°	1430.1	1431.5	1421.7	1407.8	1402.2	1402.2	1391.1	1379.9	1385.5	1386.9	1396.6
17.5°	1452.3	1452.3	1439.8	1427.3	1428.7	1428.7	1410.6	1391.1	1392.5	1398.0	1407.8
20°	1478.8	1478.8	1466.3	1463.5	1473.2	1474.6	1452.3	1421.7	1414.7	1418.9	1430.1
22.5°	1526.1	1526.1	1516.4	1523.4	1545.6	1552.6	1519.2	1476.0	1459.3	1462.1	1473.2
25°	1599.9	1599.9	1597.2	1613.9	1645.9	1661.2	1616.7	1559.6	1531.7	1527.5	1540.1
27.5°	1723.9	1725.3	1721.1	1746.2	1786.5	1804.6	1743.4	1668.2	1634.8	1627.8	1640.3
30°	1884.0	1884.0	1885.4	1920.2	1973.1	1996.8	1916.0	1828.3	1789.3	1767.0	1783.8
32.5°	2062.2	2065.0	2079.0	2137.4	2230.7	2279.5	2161.1	2038.6	1975.9	1952.2	1970.3
35°	2356.1	2329.6	2312.9	2356.1	2491.1	2555.2	2403.4	2260.0	2212.6	2209.8	2255.8
37.5°	2647.1	2631.8	2597.0	2641.5	2762.7	2791.9	2624.8	2505.0	2471.6	2489.7	2535.7
40°	2878.2	2850.4	2804.4	2846.2	3004.9	3034.2	2828.1	2709.7	2697.2	2737.6	2800.3
42.5°	3060.6	3021.7	2960.4	2970.1	3098.2	3119.1	2936.7	2847.6	2856.0	2906.1	2977.1
45°	3142.8	3112.2	3057.9	3053.7	3134.4	3135.8	2992.4	2946.5	2968.7	3007.7	3063.4
47.5°	3177.6	3163.7	3133.1	3126.1	3172.0	3160.9	3071.8	3052.3	3073.2	3084.3	3116.3
50°	3263.9	3263.9	3268.1	3273.7	3321.0	3309.9	3247.2	3225.0	3198.5	3159.5	3169.3
52.5°	3506.2	3516.0	3556.4	3600.9	3687.3	3723.5	3621.8	3492.3	3365.6	3280.7	3280.7
55°	3943.5	3953.2	4000.6	4075.8	4234.5	4320.8	4084.1	3798.7	3624.6	3509.0	3524.3
57.5°	4184.4	4195.5	4293.0	4496.3	4804.0	4950.2	4442.0	4018.7	3775.0	3642.7	3653.8
58°	4169.0	4176.0	4286.0	4524.1	4866.7	5024.0	4467.0	4011.7	3755.5	3620.4	3634.3
60°	3704.0	3694.2	3869.7	4209.4	4692.6	4909.8	4217.8	3662.2	3364.2	3226.3	3233.3
62.5°	2421.5	2427.1	2578.9	2933.9	3309.9	3514.6	2946.5	2532.9	2293.4	2209.8	2189.0
65°	1010.9	992.8	1086.1	1283.9	1509.4	1623.6	1395.3	1180.8	1033.2	977.5	992.8
67.5°	260.4	253.4	259.0	324.4	396.9	469.3	394.1	300.8	261.8	264.6	264.6
70°	147.6	139.2	112.8	104.4	101.7	101.7	101.7	101.7	117.0	137.9	142.0
72.5°	111.4	104.4	82.2	71.0	62.7	58.5	61.3	71.0	84.9	103.0	105.8
75°	55.7	55.7	50.1	47.3	41.8	39.0	40.4	44.6	51.5	58.5	57.1
77.5°	11.1	12.5	13.9	16.7	13.9	13.9	13.9	16.7	16.7	18.1	16.7
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	0.0	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)