

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: P633509

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633509
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-SA2E-830-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 6099.8 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

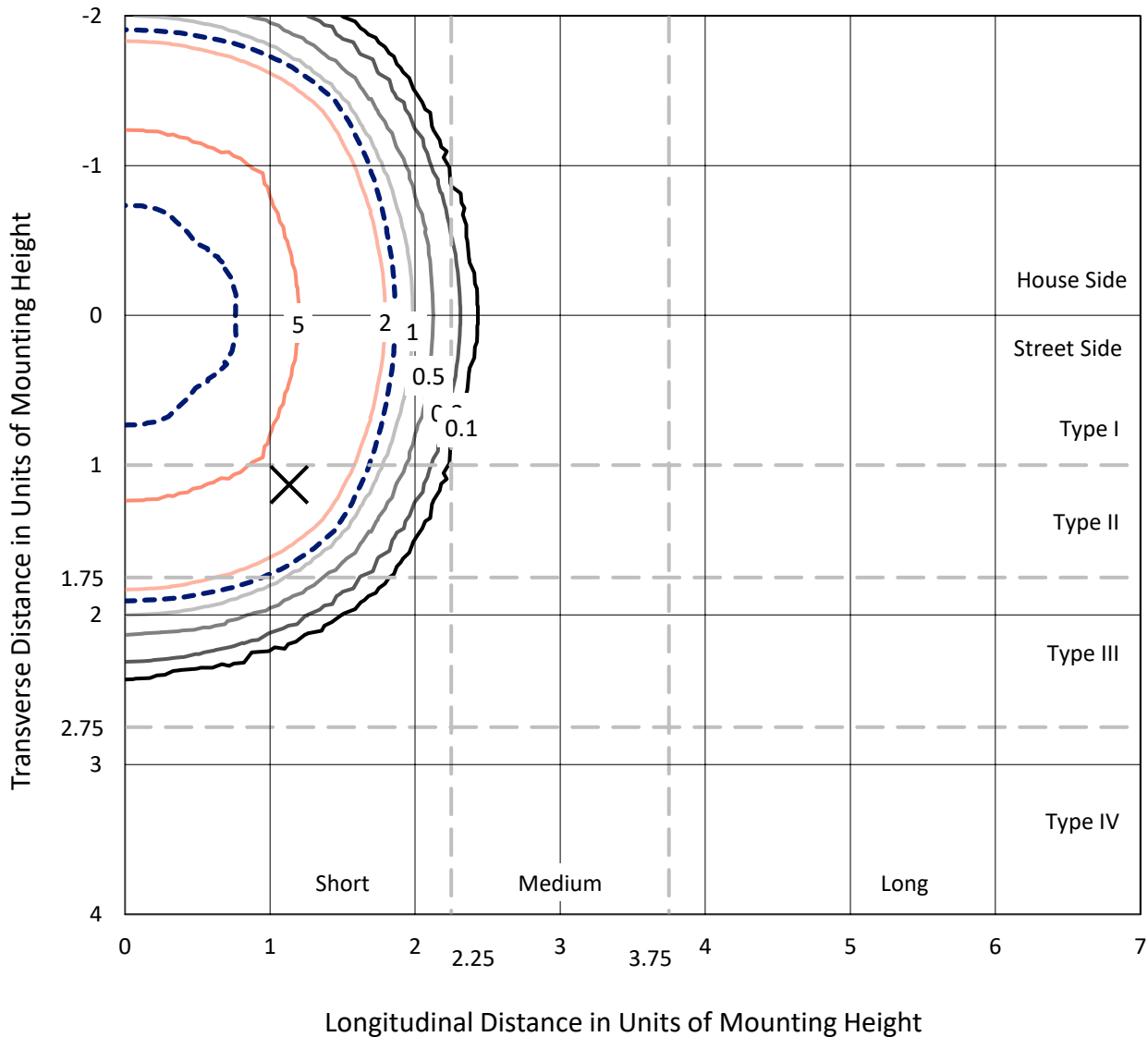
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633509
 CATALOG NUMBER: GWS-SA2E-830-U-5WQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

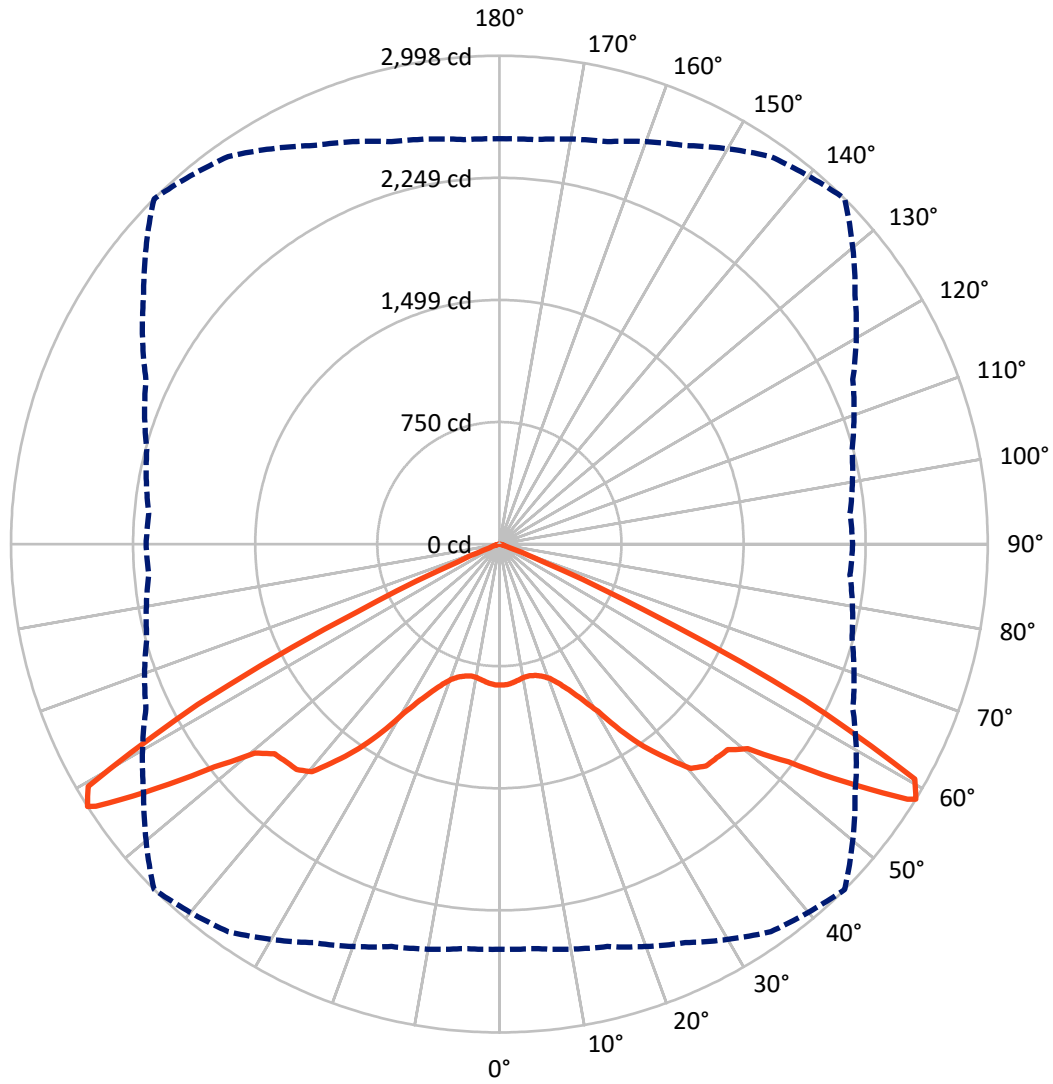
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type V - Short - N/A

REPORT NUMBER: P633509
CATALOG NUMBER: GWS-SA2E-830-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633509

CATALOG NUMBER: GWS-SA2E-830-U-5WQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3049.9	0.0	3049.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3049.9	0.0	3049.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6099.8	0.0	6099.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	1.3
10°-20°	238.8	3.9
20°-30°	451.7	7.4
30°-40°	890.8	14.6
40°-50°	1409.6	23.1
50°-60°	2072.1	34.0
60°-70°	924.9	15.2
70°-80°	31.0	0.5
80°-90°	0.2	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°	6099.8	100.0
0°-180°	6099.8	100.0

Coefficient of Utilization



REPORT NUMBER: P633509

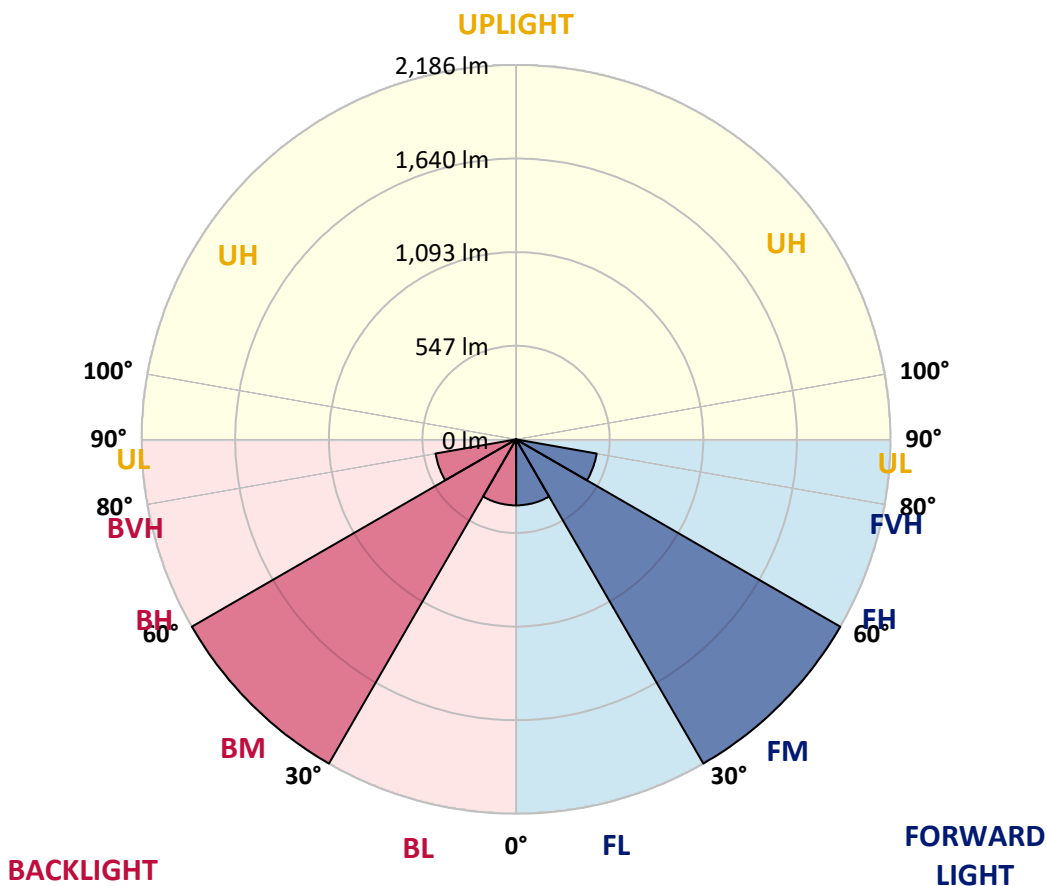
CATALOG NUMBER: GWS-SA2E-830-U-5WQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	385.6	6.3			
FM (30°-60°)	2186.2	35.8			
FH (60°-80°)	477.9	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	385.6	6.3	B1/500		
BM (30°-60°)	2186.2	35.8	B2/2500		
BH (60°-80°)	477.9	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





REPORT NUMBER: P633509

CATALOG NUMBER: GWS-SA2E-830-U-5WQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	865.0	865.0	865.0	865.0	865.0	865.0	865.0	865.0	865.0	865.0	865.0
2.5°	856.7	858.4	860.0	860.9	861.7	864.2	865.0	862.5	862.5	857.6	863.4
5°	852.6	854.2	855.9	855.1	855.1	855.1	854.2	850.9	850.1	845.1	850.9
7.5°	845.1	846.8	846.8	844.3	842.6	842.6	841.8	837.6	836.8	831.8	837.6
10°	839.3	840.1	839.3	834.3	831.0	831.0	830.1	828.5	829.3	826.0	831.0
12.5°	842.6	843.4	840.1	833.5	829.3	828.5	826.0	823.5	826.0	825.1	830.1
15°	853.4	854.2	848.4	840.1	836.8	836.8	830.1	823.5	826.8	827.6	833.5
17.5°	866.7	866.7	859.2	851.7	852.6	852.6	841.8	830.1	831.0	834.3	840.1
20°	882.5	882.5	875.0	873.3	879.2	880.0	866.7	848.4	844.3	846.8	853.4
22.5°	910.7	910.7	904.9	909.1	922.4	926.5	906.6	880.8	870.8	872.5	879.2
25°	954.8	954.8	953.1	963.1	982.2	991.3	964.7	930.7	914.1	911.6	919.0
27.5°	1028.7	1029.6	1027.1	1042.0	1066.1	1076.9	1040.4	995.5	975.6	971.4	978.9
30°	1124.3	1124.3	1125.1	1145.9	1177.5	1191.6	1143.4	1091.1	1067.8	1054.5	1064.5
32.5°	1230.7	1232.3	1240.6	1275.5	1331.2	1360.3	1289.7	1216.5	1179.1	1165.0	1175.8
35°	1406.0	1390.2	1380.2	1406.0	1486.6	1524.8	1434.2	1348.7	1320.4	1318.7	1346.2
37.5°	1579.7	1570.5	1549.7	1576.3	1648.6	1666.1	1566.4	1494.9	1475.0	1485.8	1513.2
40°	1717.6	1701.0	1673.6	1698.5	1793.2	1810.7	1687.7	1617.1	1609.6	1633.7	1671.1
42.5°	1826.5	1803.2	1766.6	1772.4	1848.9	1861.4	1752.5	1699.3	1704.3	1734.2	1776.6
45°	1875.5	1857.2	1824.8	1822.3	1870.5	1871.3	1785.7	1758.3	1771.6	1794.9	1828.1
47.5°	1896.3	1887.9	1869.7	1865.5	1892.9	1886.3	1833.1	1821.5	1833.9	1840.6	1859.7
50°	1947.8	1947.8	1950.3	1953.6	1981.8	1975.2	1937.8	1924.5	1908.7	1885.5	1891.3
52.5°	2092.4	2098.2	2122.3	2148.9	2200.4	2222.0	2161.3	2084.1	2008.4	1957.7	1957.7
55°	2353.3	2359.1	2387.4	2432.2	2527.0	2578.5	2437.2	2266.9	2163.0	2094.0	2103.2
57.5°	2497.0	2503.7	2561.9	2683.2	2866.8	2954.1	2650.8	2398.2	2252.7	2173.8	2180.4
58°	2487.9	2492.1	2557.7	2699.8	2904.2	2998.1	2665.7	2394.0	2241.1	2160.5	2168.8
60°	2210.4	2204.5	2309.2	2512.0	2800.3	2930.0	2517.0	2185.4	2007.6	1925.3	1929.5
62.5°	1445.0	1448.4	1538.9	1750.8	1975.2	2097.4	1758.3	1511.5	1368.6	1318.7	1306.3
65°	603.3	592.5	648.2	766.1	900.8	968.9	832.6	704.7	616.6	583.3	592.5
67.5°	155.4	151.2	154.6	193.6	236.8	280.0	235.2	179.5	156.2	157.9	157.9
70°	88.1	83.1	67.3	62.3	60.7	60.7	60.7	60.7	69.8	82.3	84.8
72.5°	66.5	62.3	49.0	42.4	37.4	34.9	36.6	42.4	50.7	61.5	63.2
75°	33.2	33.2	29.9	28.3	24.9	23.3	24.1	26.6	30.7	34.9	34.1
77.5°	6.6	7.5	8.3	10.0	8.3	8.3	8.3	10.0	10.0	10.8	10.0
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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)