

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: P631529

Luminaire Tested: GWS-SA1F-830-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631529
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-SA1F-830-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3522 lumens
Efficiency: N/A
Efficacy: 52.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 67.2
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

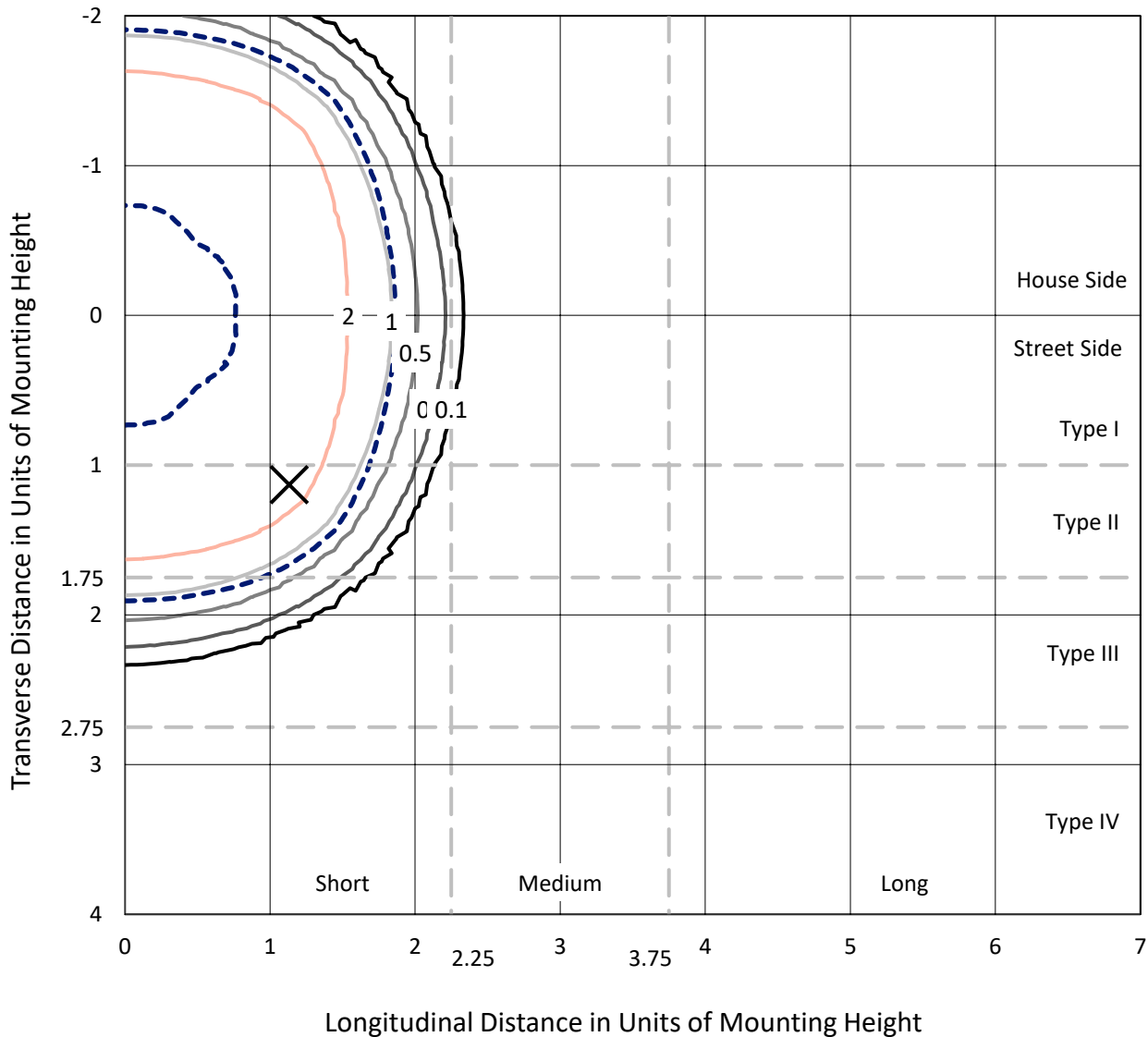


REPORT NUMBER: P631529

CATALOG NUMBER: GWS-SA1F-830-U-5WQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

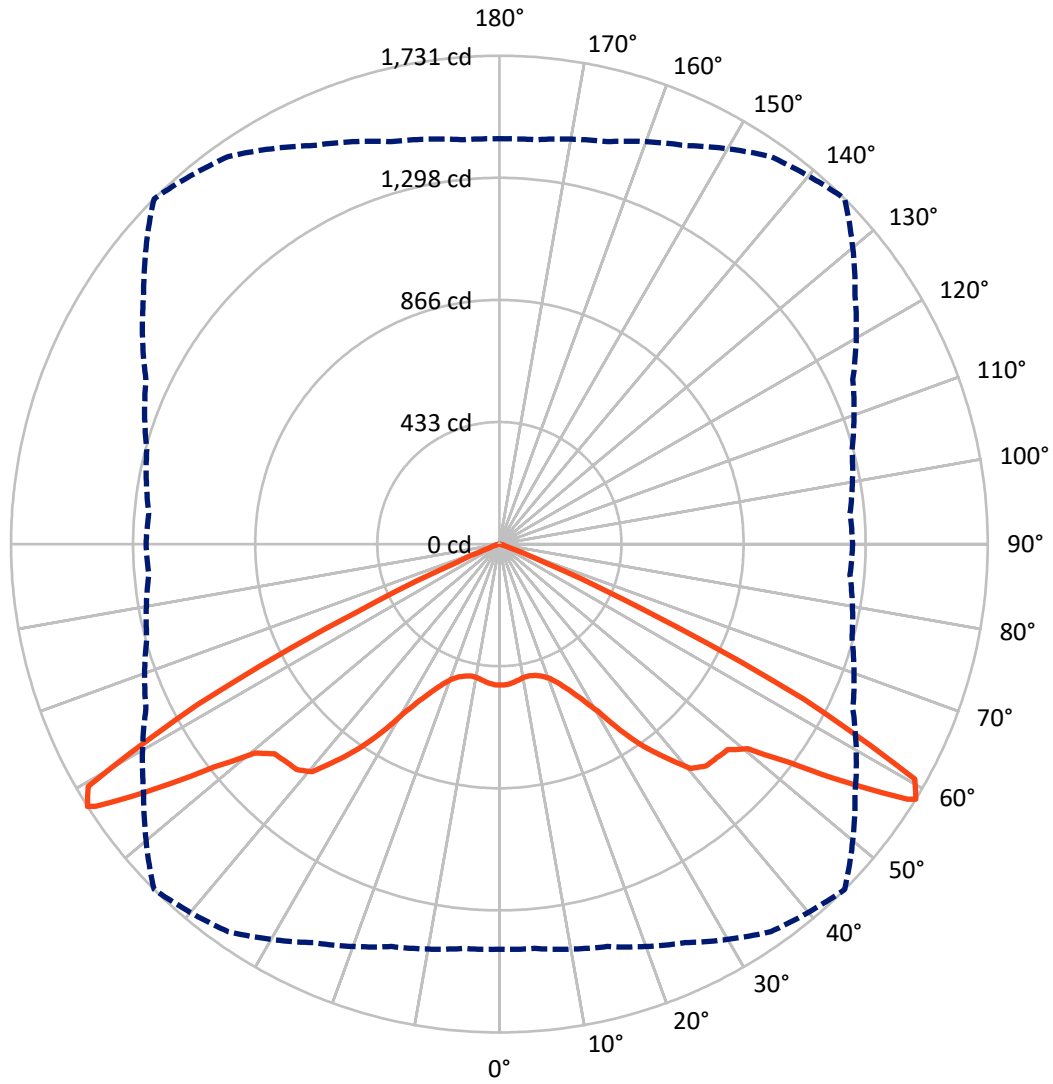
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

REPORT NUMBER: P631529
CATALOG NUMBER: GWS-SA1F-830-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631529

CATALOG NUMBER: GWS-SA1F-830-U-5WQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1761.0	0.0	1761.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1761.0	0.0	1761.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3522.0	0.0	3522.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.6	1.3
10°-20°	137.9	3.9
20°-30°	260.8	7.4
30°-40°	514.3	14.6
40°-50°	813.9	23.1
50°-60°	1196.4	34.0
60°-70°	534.0	15.2
70°-80°	17.9	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°	3522.0	100.0
0°-180°	3522.0	100.0

Coefficient of Utilization



REPORT NUMBER: P631529

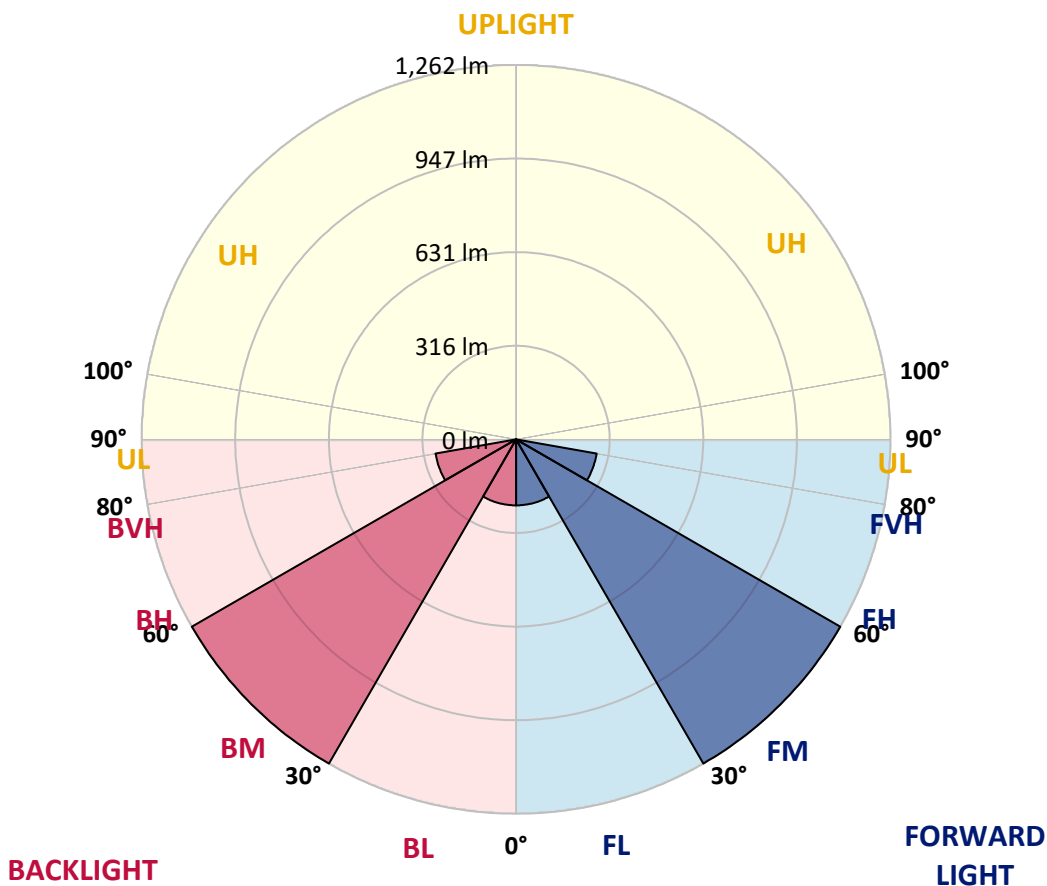
CATALOG NUMBER: GWS-SA1F-830-U-5WQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	222.6	6.3			
FM (30°-60°)	1262.3	35.8			
FH (60°-80°)	276.0	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	222.6	6.3	B1/500		
BM (30°-60°)	1262.3	35.8	B2/2500		
BH (60°-80°)	276.0	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: P631529

CATALOG NUMBER: GWS-SA1F-830-U-5WQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	499.5	499.5	499.5	499.5	499.5	499.5	499.5	499.5	499.5	499.5	499.5
2.5°	494.7	495.6	496.6	497.1	497.5	499.0	499.5	498.0	498.0	495.1	498.5
5°	492.3	493.2	494.2	493.7	493.7	493.7	493.2	491.3	490.8	488.0	491.3
7.5°	488.0	488.9	488.9	487.5	486.5	486.5	486.0	483.6	483.2	480.3	483.6
10°	484.6	485.1	484.6	481.7	479.8	479.8	479.3	478.4	478.8	476.9	479.8
12.5°	486.5	487.0	485.1	481.2	478.8	478.4	476.9	475.5	476.9	476.4	479.3
15°	492.7	493.2	489.9	485.1	483.2	483.2	479.3	475.5	477.4	477.9	481.2
17.5°	500.4	500.4	496.1	491.8	492.3	492.3	486.0	479.3	479.8	481.7	485.1
20°	509.5	509.5	505.2	504.3	507.6	508.1	500.4	489.9	487.5	488.9	492.7
22.5°	525.9	525.9	522.5	524.9	532.6	535.0	523.5	508.6	502.8	503.8	507.6
25°	551.3	551.3	550.3	556.1	567.1	572.4	557.0	537.4	527.8	526.3	530.7
27.5°	594.0	594.5	593.0	601.7	615.6	621.8	600.7	574.8	563.3	560.9	565.2
30°	649.2	649.2	649.6	661.6	679.9	688.0	660.2	630.0	616.5	608.9	614.6
32.5°	710.6	711.5	716.3	736.5	768.6	785.4	744.6	702.4	680.8	672.7	678.9
35°	811.8	802.7	796.9	811.8	858.4	880.4	828.1	778.7	762.4	761.4	777.3
37.5°	912.1	906.8	894.8	910.2	951.9	962.0	904.4	863.2	851.6	857.9	873.7
40°	991.7	982.1	966.3	980.7	1035.4	1045.5	974.5	933.7	929.4	943.3	964.9
42.5°	1054.6	1041.2	1020.0	1023.4	1067.5	1074.7	1011.9	981.2	984.1	1001.3	1025.8
45°	1082.9	1072.3	1053.6	1052.2	1080.0	1080.5	1031.1	1015.2	1022.9	1036.4	1055.5
47.5°	1094.9	1090.1	1079.5	1077.1	1093.0	1089.1	1058.4	1051.7	1058.9	1062.7	1073.8
50°	1124.6	1124.6	1126.1	1128.0	1144.3	1140.5	1118.9	1111.2	1102.1	1088.7	1092.0
52.5°	1208.1	1211.5	1225.4	1240.7	1270.5	1283.0	1247.9	1203.3	1159.7	1130.4	1130.4
55°	1358.8	1362.1	1378.5	1404.4	1459.1	1488.8	1407.2	1308.9	1248.9	1209.1	1214.4
57.5°	1441.8	1445.6	1479.2	1549.3	1655.3	1705.7	1530.5	1384.7	1300.7	1255.1	1259.0
58°	1436.5	1438.9	1476.8	1558.9	1676.9	1731.1	1539.2	1382.3	1294.0	1247.5	1252.3
60°	1276.3	1272.9	1333.4	1450.4	1616.9	1691.8	1453.3	1261.9	1159.2	1111.7	1114.1
62.5°	834.4	836.3	888.6	1010.9	1140.5	1211.0	1015.2	872.7	790.2	761.4	754.2
65°	348.3	342.1	374.2	442.4	520.1	559.4	480.8	406.9	356.0	336.8	342.1
67.5°	89.7	87.3	89.2	111.8	136.7	161.7	135.8	103.6	90.2	91.2	91.2
70°	50.9	48.0	38.9	36.0	35.0	35.0	35.0	35.0	40.3	47.5	48.9
72.5°	38.4	36.0	28.3	24.5	21.6	20.2	21.1	24.5	29.3	35.5	36.5
75°	19.2	19.2	17.3	16.3	14.4	13.4	13.9	15.4	17.8	20.2	19.7
77.5°	3.8	4.3	4.8	5.8	4.8	4.8	4.8	5.8	5.8	6.2	5.8
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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)