

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: P631028

Luminaire Tested: GWS-SA1E-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631028
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-SA1E-830-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 3677.9 lumens
Efficiency: N/A
Efficacy: 63.0 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

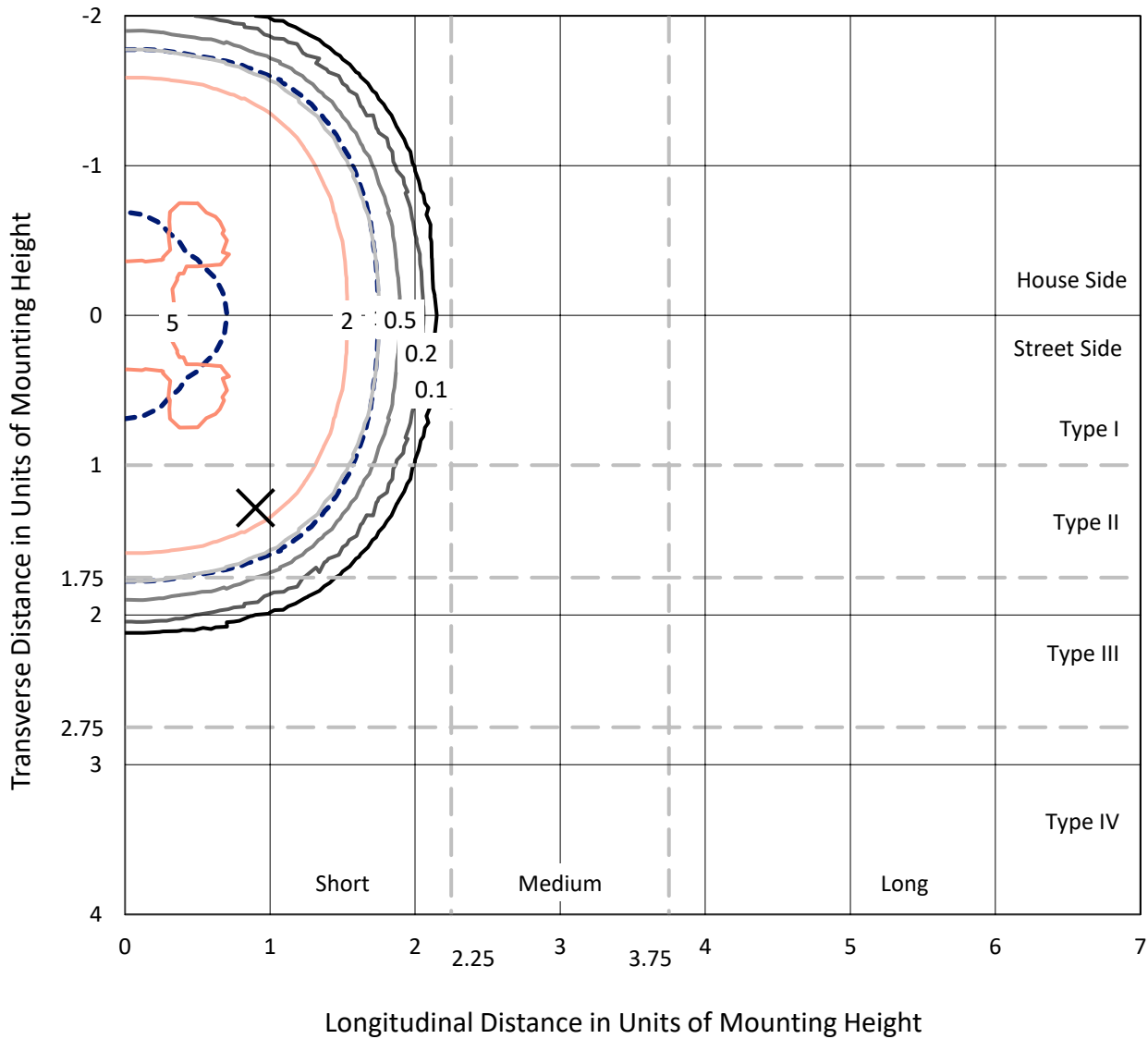
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

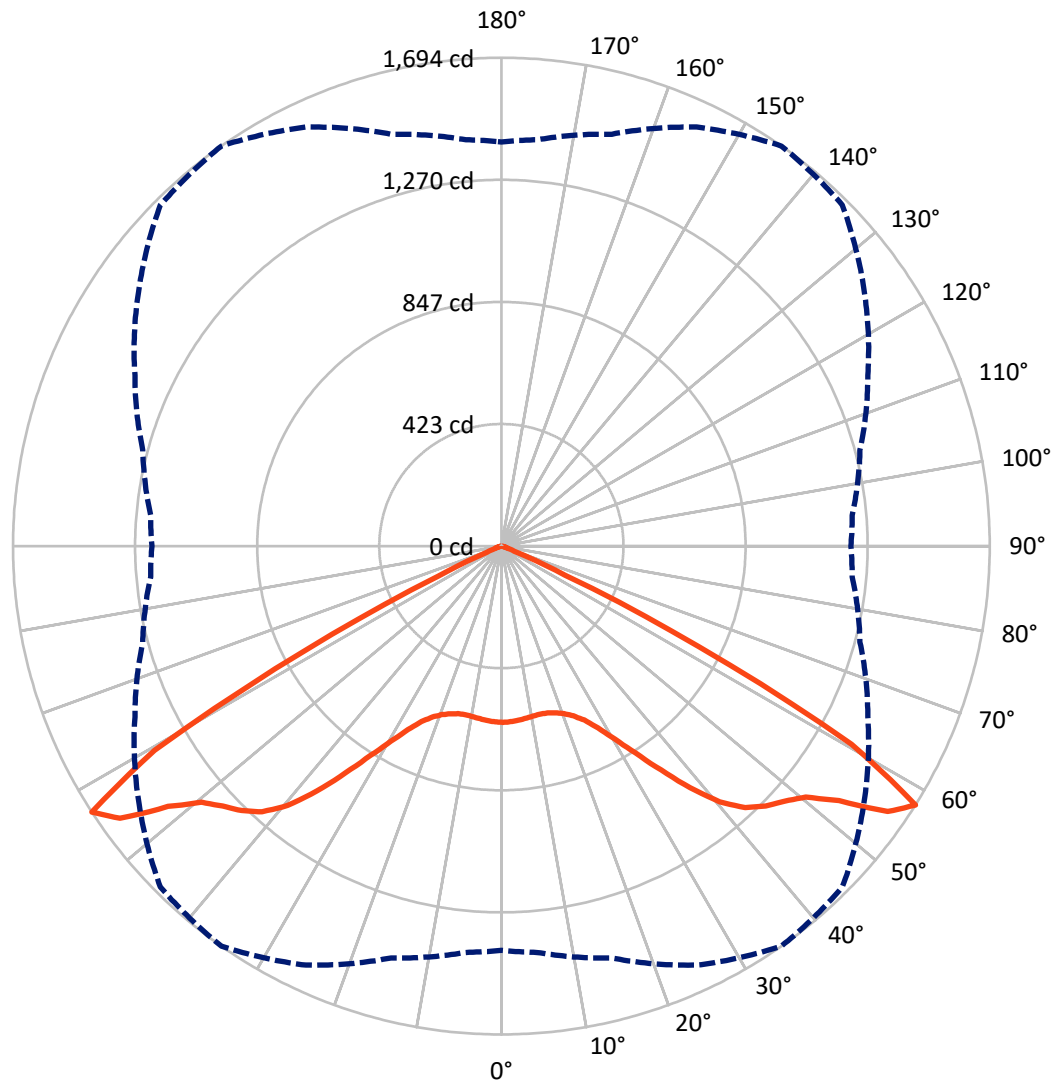
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1839.0	0.0	1839.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1839.0	0.0	1839.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3677.9	0.0	3677.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	1.6
10°-20°	169.5	4.6
20°-30°	306.3	8.3
30°-40°	571.5	15.5
40°-50°	958.7	26.1
50°-60°	1266.0	34.4
60°-70°	336.2	9.1
70°-80°	12.0	0.3
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°	3677.9	100.0
0°-180°	3677.9	100.0

Coefficient of Utilization



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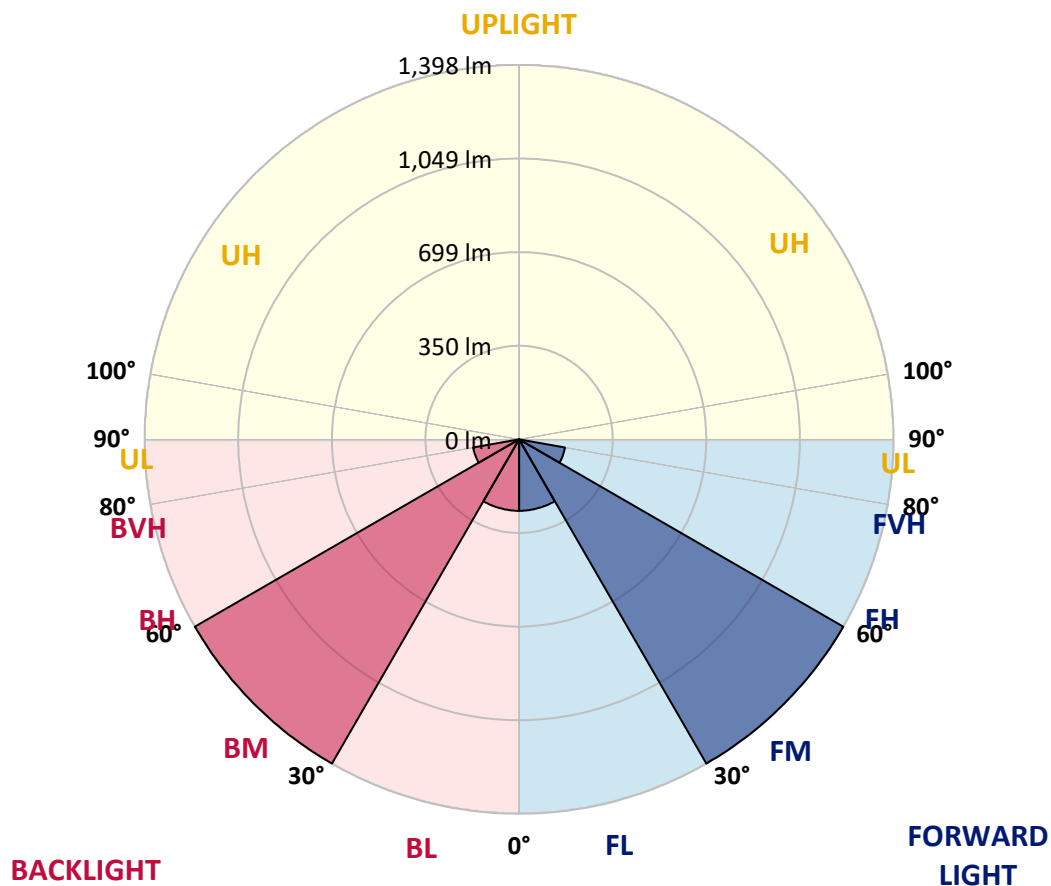
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	266.7	7.3			
FM (30°-60°)	1398.1	38.0			
FH (60°-80°)	174.1	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	266.7	7.3	B1/500		
BM (30°-60°)	1398.1	38.0	B2/2500		
BH (60°-80°)	174.1	4.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5
2.5°	607.2	606.7	608.5	609.8	609.8	612.8	611.9	611.1	610.2	608.9	611.9
5°	606.3	605.9	607.2	608.0	607.2	609.8	608.0	606.3	605.4	603.7	607.2
7.5°	602.4	602.9	603.7	604.6	603.3	605.4	603.3	600.7	598.5	596.8	599.8
10°	596.4	596.8	597.7	599.4	599.8	602.9	599.8	595.1	592.1	589.5	592.5
12.5°	593.4	593.8	595.1	597.2	597.7	601.6	597.7	590.8	586.5	583.4	586.5
15°	594.2	595.1	596.8	599.4	600.3	604.1	599.0	589.9	583.9	580.0	582.6
17.5°	597.2	598.1	600.7	605.0	608.0	611.9	605.4	593.8	585.6	580.0	582.6
20°	601.1	602.4	606.7	613.6	620.1	627.0	618.8	602.9	592.1	585.2	587.3
22.5°	611.9	613.2	619.3	628.3	639.1	647.7	637.8	617.5	602.9	593.8	595.9
25°	633.9	635.2	643.0	654.6	668.4	679.7	667.2	641.7	622.7	612.3	613.2
27.5°	668.4	669.7	678.8	695.2	713.8	729.7	711.6	681.8	660.2	648.2	648.2
30°	712.0	713.8	725.8	747.8	776.8	797.9	773.3	737.1	709.4	693.0	693.5
32.5°	768.1	766.4	783.7	813.9	854.9	882.9	846.7	802.7	768.6	745.7	747.8
35°	840.2	839.8	859.2	900.2	953.7	987.4	944.2	887.2	846.2	822.9	823.4
37.5°	933.0	932.5	955.0	999.4	1063.7	1091.8	1043.4	985.6	941.6	919.2	921.8
40°	1041.7	1039.1	1059.0	1101.7	1166.0	1184.1	1131.5	1084.9	1042.6	1028.3	1035.3
42.5°	1145.3	1139.7	1151.3	1190.2	1239.8	1242.4	1202.7	1170.8	1141.8	1130.6	1134.9
45°	1228.6	1224.3	1235.1	1257.5	1286.0	1273.0	1254.0	1244.1	1220.8	1208.7	1212.6
47.5°	1290.7	1290.7	1303.7	1317.5	1321.8	1298.1	1301.1	1301.1	1277.8	1258.8	1254.0
50°	1344.2	1348.1	1367.5	1381.8	1367.5	1337.3	1354.6	1351.1	1303.7	1265.7	1255.8
52.5°	1429.7	1433.6	1463.3	1482.8	1466.8	1437.0	1439.2	1396.0	1326.1	1281.2	1265.7
55°	1520.3	1529.8	1572.9	1624.7	1625.2	1594.5	1537.6	1461.2	1376.2	1327.4	1311.4
57.5°	1401.6	1414.6	1478.9	1603.6	1693.8	1672.6	1536.7	1402.5	1287.7	1221.2	1212.2
60°	964.5	986.9	1051.2	1221.7	1395.6	1403.8	1243.3	1092.6	961.0	879.0	880.8
62.5°	407.4	430.2	466.5	606.7	766.4	776.3	698.7	590.8	483.3	424.2	433.3
65°	95.8	102.3	113.1	167.9	243.4	254.6	234.8	183.0	135.1	114.4	116.5
67.5°	41.9	42.7	40.6	43.2	53.5	54.8	53.1	46.6	44.0	44.9	44.9
70°	29.3	29.8	28.0	26.8	25.5	23.7	24.6	27.2	29.3	31.1	30.6
72.5°	18.1	18.6	19.0	19.0	17.7	16.0	16.8	18.6	19.0	19.4	19.0
75°	9.1	9.5	10.4	10.8	10.4	9.9	9.9	10.4	10.4	9.9	9.9
77.5°	1.7	2.2	3.0	3.5	3.5	3.5	3.5	3.5	3.9	3.5	3.5
80°	0.4	0.4	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9
82.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
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)