

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: P630536

Luminaire Tested: GWS-SA1D-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630536
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-830-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 3389.6 lumens
Efficiency: N/A
Efficacy: 76.5 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

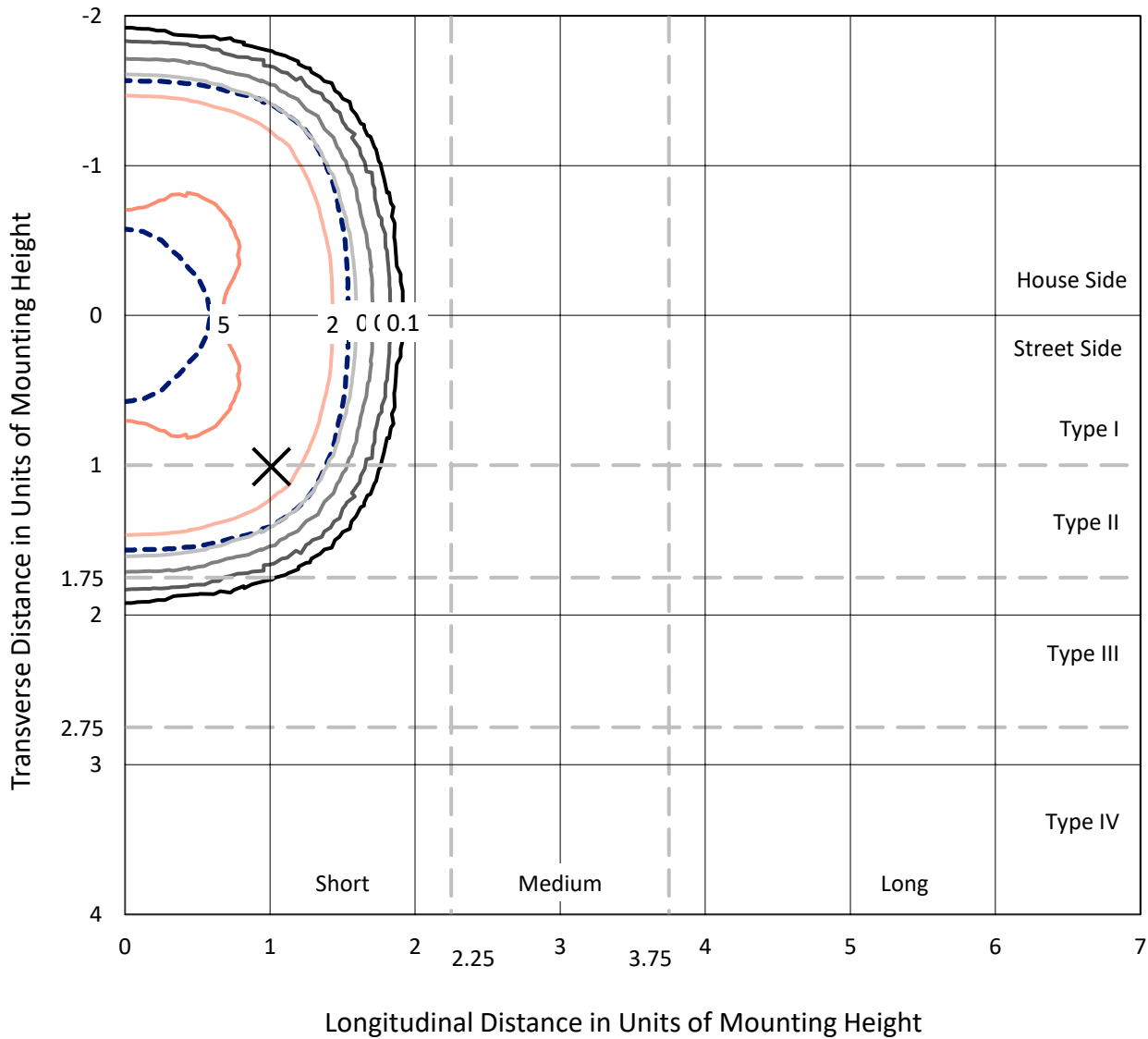
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

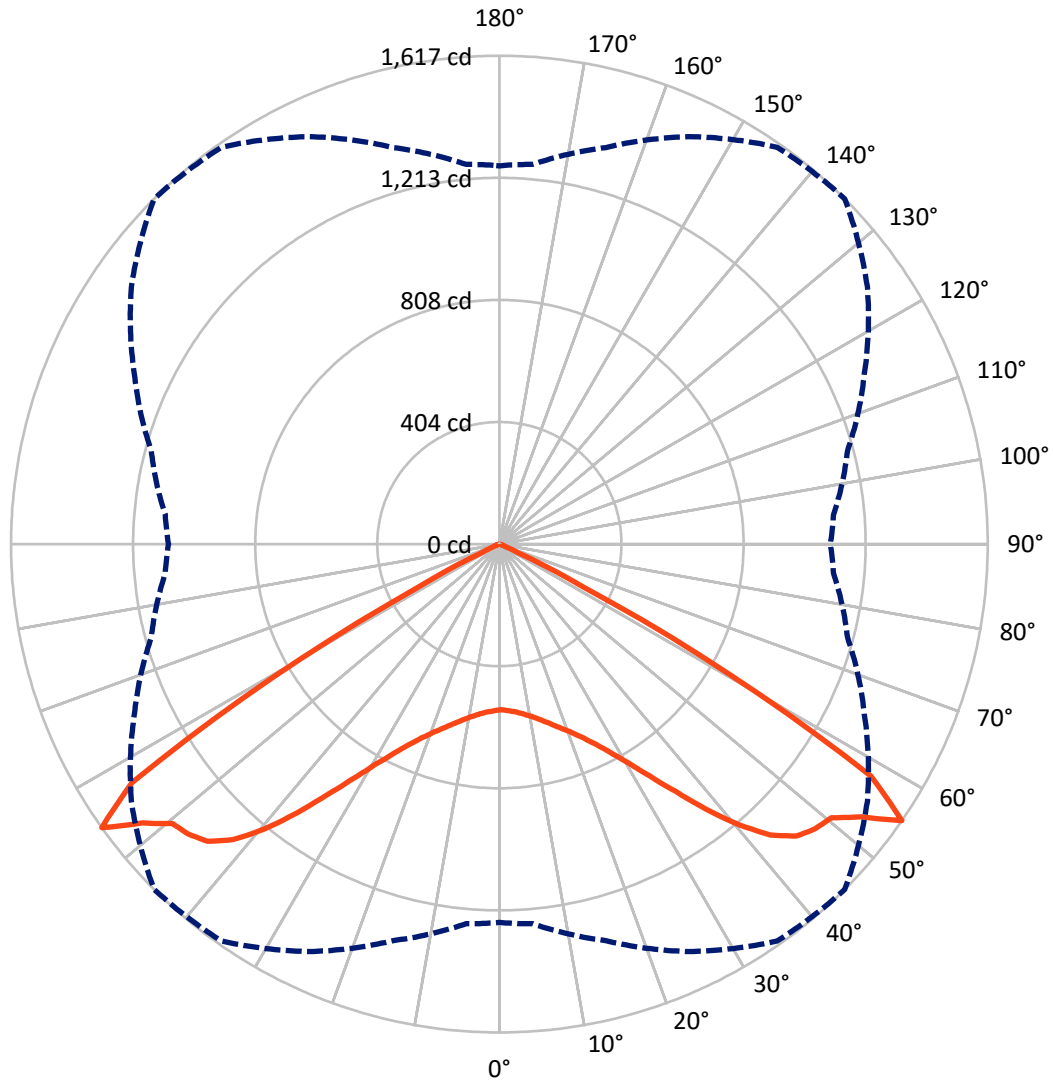
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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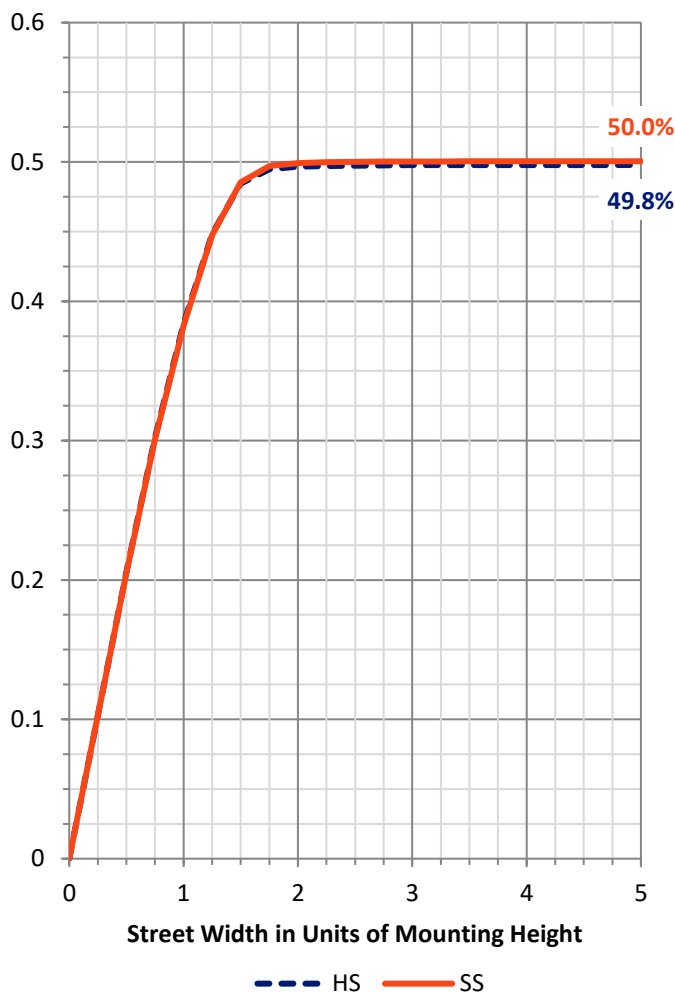
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1694.8	0.0	1694.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1694.8	0.0	1694.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3389.6	0.0	3389.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	1.6
10°-20°	174.1	5.1
20°-30°	337.1	9.9
30°-40°	603.9	17.8
40°-50°	1012.5	29.9
50°-60°	1083.8	32.0
60°-70°	119.1	3.5
70°-80°	5.2	0.2
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°	3389.6	100.0
0°-180°	3389.6	100.0

Coefficient of Utilization



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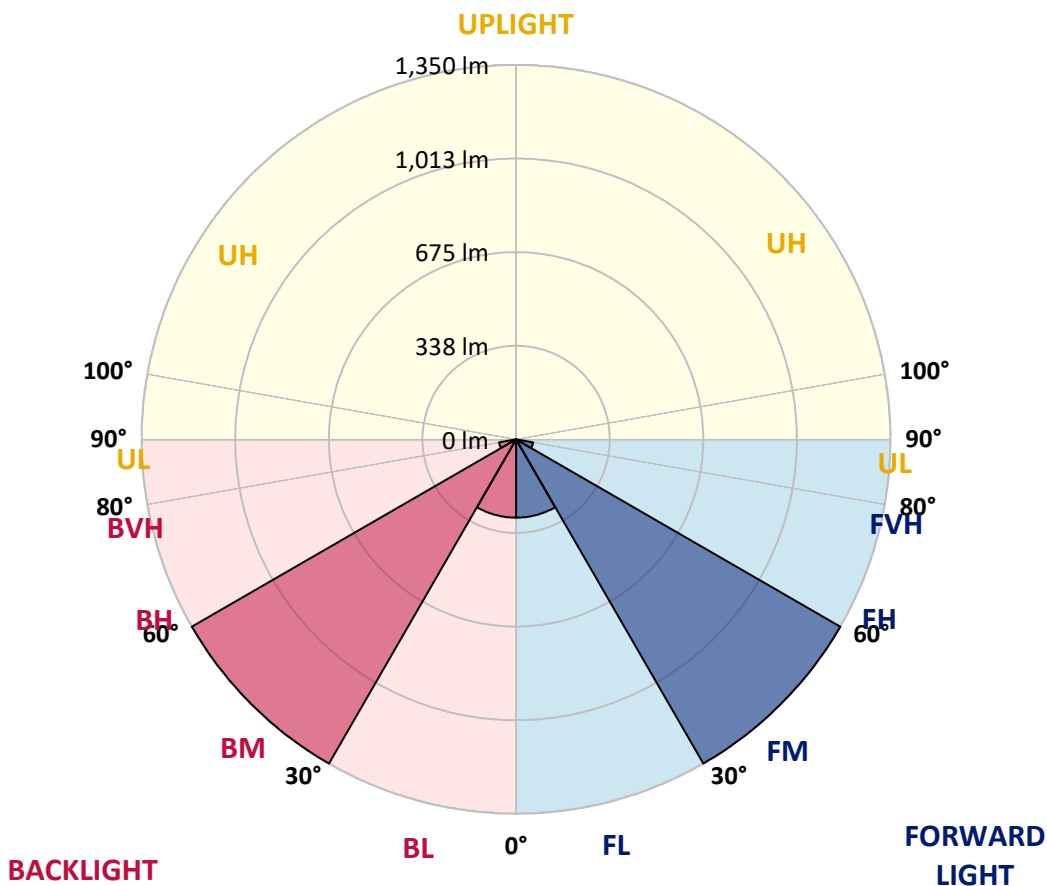
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	282.4	8.3			
FM (30°-60°)	1350.1	39.8			
FH (60°-80°)	62.2	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	282.4	8.3	B1/500		
BM (30°-60°)	1350.1	39.8	B2/2500		
BH (60°-80°)	62.2	1.8	B0/110		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°	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0
2.5°	547.0	547.0	548.4	549.4	549.4	552.2	551.1	550.1	550.1	548.7	551.5
5°	554.9	554.6	556.0	556.7	555.3	558.0	556.3	555.3	554.6	553.2	556.0
7.5°	563.6	563.9	564.3	565.6	565.0	567.7	566.3	564.3	563.6	561.5	564.3
10°	573.9	573.9	574.6	576.3	576.7	580.1	578.8	576.3	574.3	572.2	575.0
12.5°	587.1	587.4	588.4	590.9	592.2	596.0	594.0	589.1	586.0	583.6	586.7
15°	606.0	605.7	607.1	610.5	612.3	615.0	611.9	605.4	601.6	598.8	600.9
17.5°	626.8	626.8	627.5	630.9	633.3	637.5	633.7	625.7	622.3	618.5	620.6
20°	649.6	650.6	651.3	653.7	657.8	662.0	658.9	650.9	647.1	642.3	644.7
22.5°	679.6	678.6	678.9	683.1	688.9	693.1	690.7	681.3	674.8	671.0	672.4
25°	713.1	712.8	713.8	720.0	726.6	731.1	727.6	715.5	709.0	702.4	705.2
27.5°	754.2	754.5	755.2	762.8	773.2	779.7	771.1	759.0	750.0	741.4	743.5
30°	802.9	802.2	804.3	814.6	829.8	840.2	830.2	813.2	800.5	792.2	793.2
32.5°	854.7	855.4	860.9	877.5	897.5	915.8	895.4	873.0	856.4	840.9	842.9
35°	910.6	912.4	924.8	949.3	982.1	1006.6	978.3	941.4	917.9	897.8	898.5
37.5°	976.6	980.7	998.0	1034.6	1081.6	1114.4	1072.9	1023.9	993.5	968.6	966.9
40°	1063.3	1068.1	1091.6	1135.1	1192.1	1222.1	1174.1	1123.7	1086.1	1059.1	1055.0
42.5°	1162.7	1168.9	1194.5	1239.0	1296.0	1316.4	1269.4	1226.9	1193.1	1161.3	1160.0
45°	1274.9	1278.4	1299.1	1333.3	1374.4	1379.2	1344.0	1320.5	1286.3	1256.6	1254.2
47.5°	1380.3	1383.7	1397.9	1415.5	1425.2	1407.9	1401.7	1391.3	1347.1	1310.5	1302.9
50°	1460.4	1463.1	1480.8	1487.7	1460.7	1424.1	1436.2	1414.1	1366.1	1325.0	1313.3
52.5°	1454.9	1461.8	1507.0	1546.4	1529.5	1499.8	1467.3	1419.6	1345.0	1288.8	1274.3
55°	1252.5	1261.8	1358.9	1488.4	1604.0	1616.8	1487.0	1333.3	1193.1	1110.6	1095.7
57.5°	805.0	807.4	925.8	1107.5	1368.2	1450.4	1233.2	1005.2	830.9	740.0	733.8
60°	295.9	291.1	380.5	531.1	788.0	875.1	725.9	508.3	362.6	298.4	293.2
62.5°	71.1	71.8	89.1	133.6	247.3	306.0	241.7	135.0	86.0	72.2	71.5
65°	35.9	35.2	35.6	38.3	52.8	63.2	51.8	36.6	35.2	35.6	35.2
67.5°	23.1	22.8	23.5	23.8	23.5	22.1	21.8	22.4	22.4	22.8	22.1
70°	14.2	13.8	14.5	15.5	14.8	13.1	13.8	14.5	13.8	13.5	13.5
72.5°	7.6	7.6	8.3	9.0	8.3	7.6	7.6	7.9	7.6	7.6	7.6
75°	3.5	3.5	3.8	4.1	3.5	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	1.0	1.0	1.4	1.4	1.0	1.0	1.0	1.0	1.4	1.4	1.4
80°	0.3	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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)