

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: P630537

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4366.9 lumens
Efficiency: N/A
Efficacy: 98.6 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

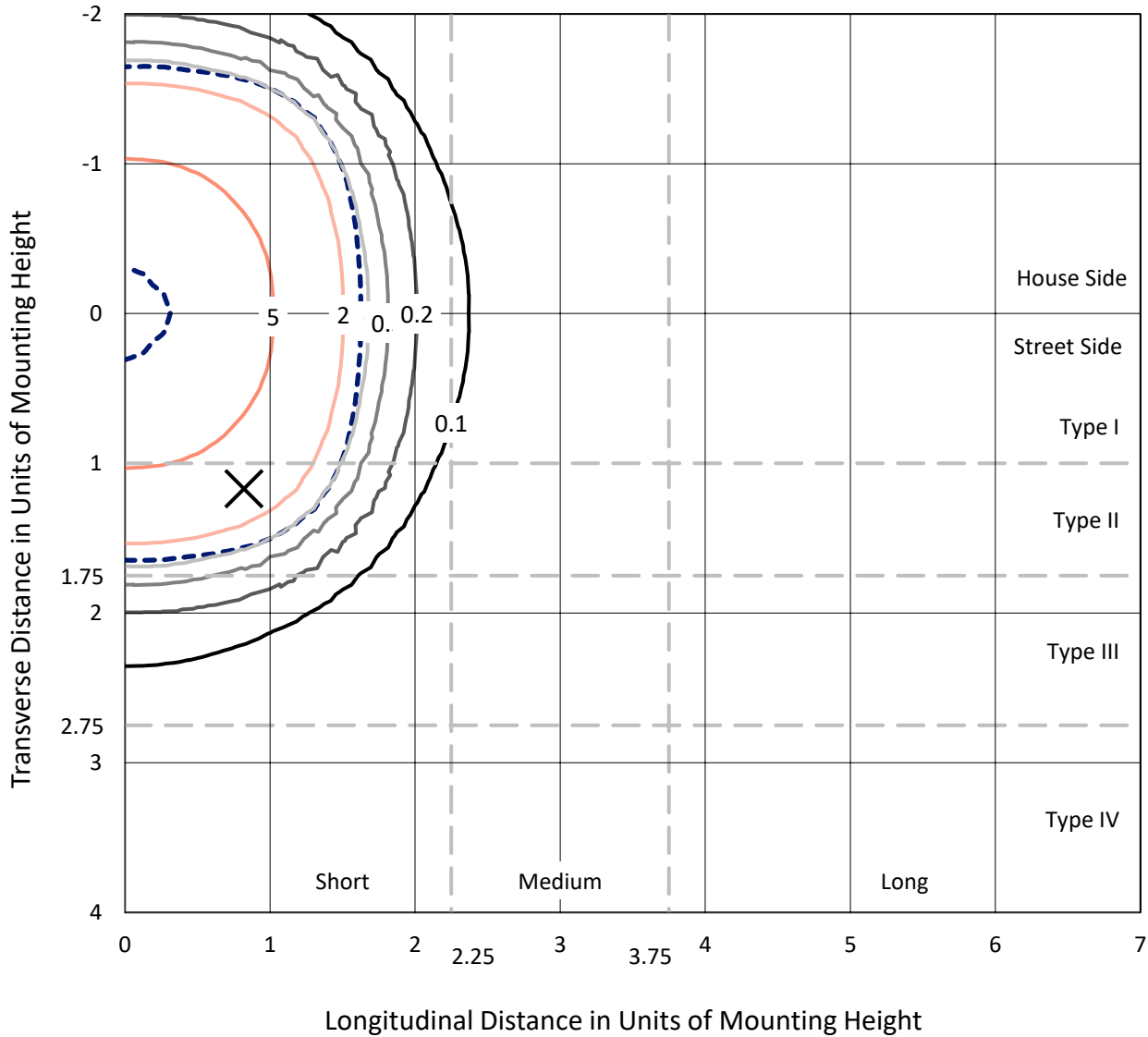
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

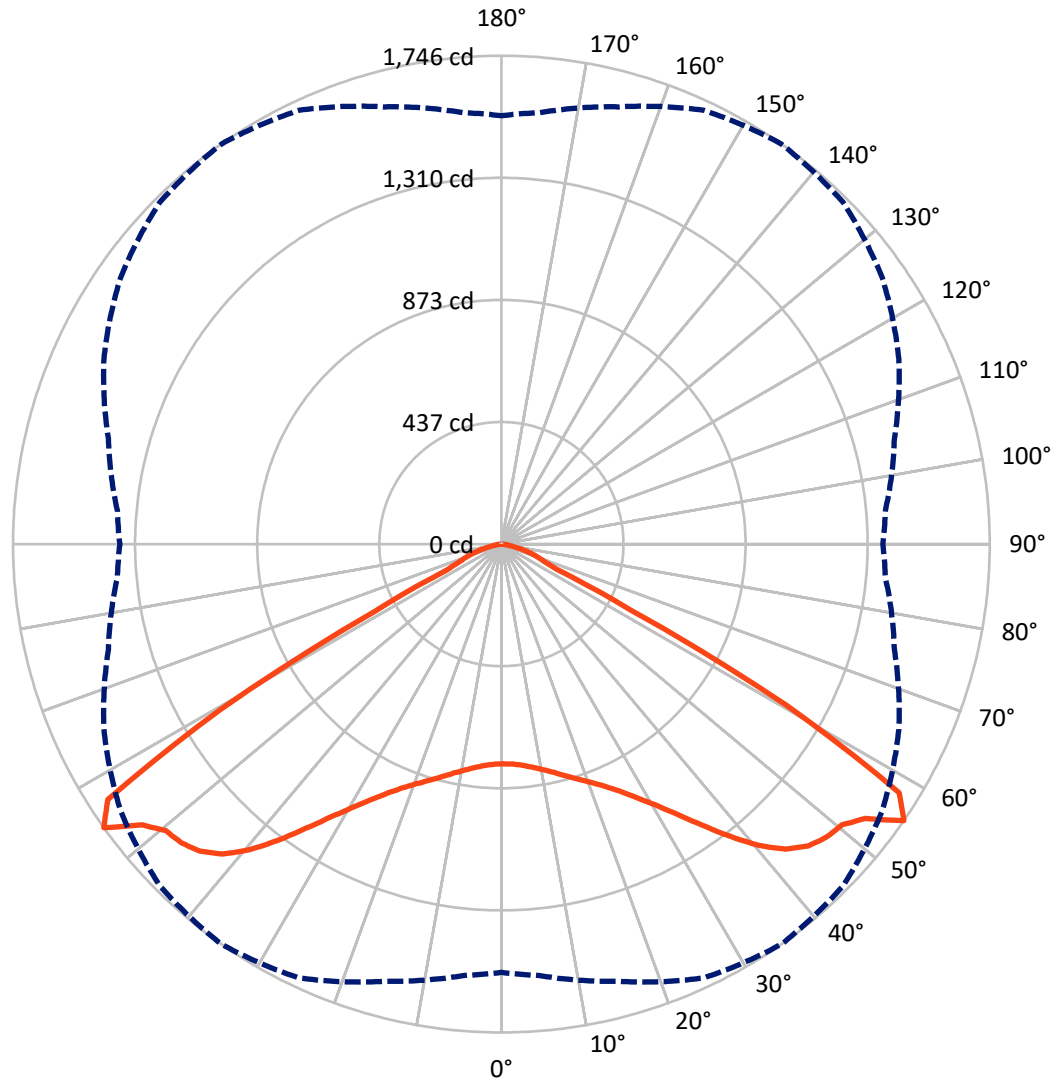
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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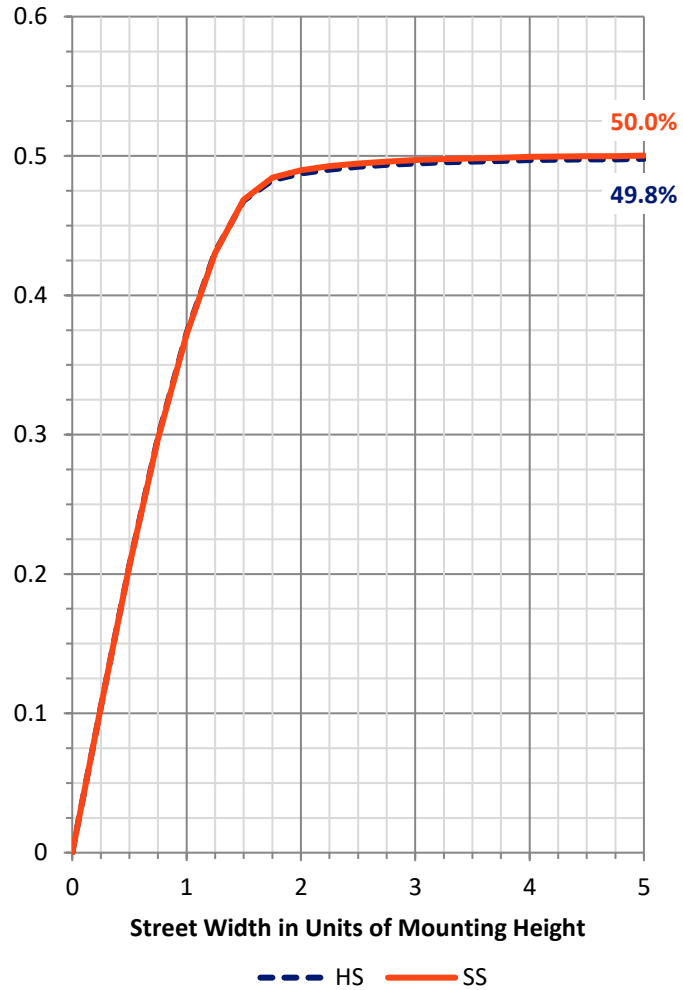
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2183.5	0.0	2183.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2183.5	0.0	2183.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4366.9	0.0	4366.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	1.8
10°-20°	244.0	5.6
20°-30°	451.5	10.3
30°-40°	755.3	17.3
40°-50°	1151.0	26.4
50°-60°	1289.3	29.5
60°-70°	305.1	7.0
70°-80°	82.2	1.9
80°-90°	11.8	0.3
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°	4366.9	100.0
0°-180°	4366.9	100.0

Coefficient of Utilization



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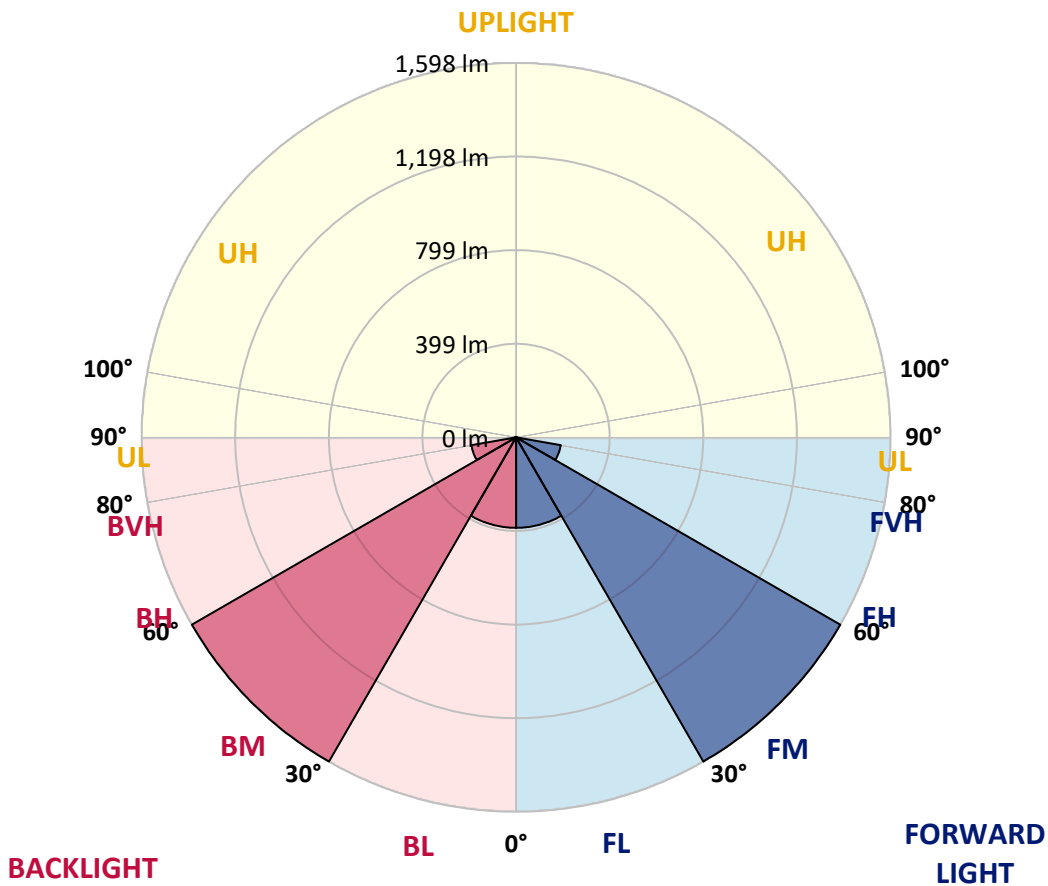
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	386.1	8.8			
FM (30°-60°)	1597.8	36.6			
FH (60°-80°)	193.7	4.4			G0/660
FVH (80°-90°)	5.9	0.1			G0/10
BL (0°-30°)	386.1	8.8	B1/500		
BM (30°-60°)	1597.8	36.6	B2/2500		
BH (60°-80°)	193.7	4.4	B1/500		G0/660
BVH (80°-90°)	5.9	0.1			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°	785.6	785.6	785.6	785.6	785.6	785.6	785.6	785.6	785.6	785.6	785.6
2.5°	783.9	783.9	785.3	787.0	787.3	790.8	790.1	788.7	788.0	786.7	789.8
5°	792.5	792.9	793.9	794.9	794.3	797.0	796.0	794.3	793.2	791.5	794.6
7.5°	803.9	803.9	805.0	806.3	805.6	809.8	807.7	805.3	803.6	801.5	804.3
10°	814.3	815.0	816.0	818.8	820.1	824.6	823.3	819.8	817.0	814.6	817.7
12.5°	829.8	830.5	831.5	835.3	837.8	842.3	840.2	835.3	831.2	827.7	831.2
15°	849.8	849.2	851.9	856.8	859.9	864.0	861.6	853.3	847.8	843.3	846.7
17.5°	870.2	869.9	872.6	878.9	883.3	888.9	884.7	875.1	869.2	863.7	867.1
20°	892.3	893.4	896.1	902.0	908.6	915.8	912.4	902.0	895.4	889.2	892.0
22.5°	919.6	919.9	923.1	930.7	939.3	946.2	944.1	931.3	923.1	916.5	919.9
25°	952.4	952.1	956.2	965.2	977.3	984.2	979.7	965.5	956.6	949.0	951.7
27.5°	990.1	989.7	995.9	1007.7	1024.9	1034.6	1025.3	1007.7	995.2	984.5	986.9
30°	1037.4	1036.3	1043.2	1059.1	1081.6	1097.8	1084.0	1059.5	1043.2	1031.8	1034.3
32.5°	1089.8	1091.2	1099.9	1121.3	1149.6	1170.7	1149.9	1122.7	1100.9	1084.3	1087.1
35°	1147.5	1147.5	1165.1	1191.7	1232.1	1260.1	1228.0	1188.6	1159.6	1136.8	1137.5
37.5°	1211.7	1212.4	1235.6	1272.2	1325.0	1357.8	1314.3	1265.6	1230.4	1205.9	1204.5
40°	1290.1	1292.2	1316.0	1356.8	1416.2	1446.2	1399.6	1352.0	1316.0	1287.0	1284.3
42.5°	1378.5	1379.2	1404.4	1441.0	1491.1	1509.1	1472.5	1433.4	1404.1	1377.9	1375.1
45°	1462.8	1461.1	1482.8	1510.1	1539.1	1540.8	1520.5	1504.6	1479.0	1456.6	1452.4
47.5°	1528.4	1527.0	1546.7	1561.6	1565.0	1548.1	1554.7	1557.1	1527.4	1497.0	1489.0
50°	1568.5	1571.2	1589.9	1598.2	1577.8	1550.2	1575.0	1568.8	1526.3	1486.6	1473.9
52.5°	1592.6	1596.8	1629.2	1650.3	1629.2	1603.0	1606.5	1569.9	1508.7	1456.2	1439.7
55°	1531.5	1548.1	1618.2	1711.4	1746.0	1727.7	1662.1	1567.8	1454.5	1378.2	1364.0
57.5°	1135.1	1161.3	1265.3	1467.3	1677.2	1743.9	1552.2	1314.3	1142.7	1044.6	1036.3
60°	579.5	608.8	692.0	899.6	1169.6	1263.5	1081.2	841.6	668.9	589.5	580.5
62.5°	236.5	241.4	268.7	348.8	517.0	596.4	523.9	367.8	276.3	254.5	254.9
65°	186.1	187.2	185.8	190.6	216.5	240.3	222.0	195.1	190.3	192.7	191.0
67.5°	162.3	162.6	161.6	161.6	162.6	161.6	163.7	164.7	165.4	168.2	166.4
70°	135.7	136.1	136.1	136.7	136.4	134.7	137.8	139.2	139.5	141.2	140.2
72.5°	105.0	106.0	106.7	107.1	106.7	105.7	107.4	109.8	109.5	111.2	109.5
75°	71.1	72.5	73.2	74.6	74.2	74.2	76.3	77.4	76.3	77.7	76.3
77.5°	40.4	41.4	43.5	44.9	46.3	47.3	48.7	49.4	49.0	49.7	49.0
80°	23.5	23.8	25.6	26.2	28.0	29.7	31.1	31.8	32.1	32.5	32.1
82.5°	13.5	13.8	14.5	15.2	16.6	18.0	19.3	20.4	20.4	20.7	20.4
85°	6.6	6.6	6.9	7.3	7.9	9.0	10.0	11.1	11.4	11.4	11.4
87.5°	1.0	1.0	1.4	1.4	1.7	2.1	2.8	3.5	3.8	3.8	3.8
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)