

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: P630540

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-830-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 4068.2 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

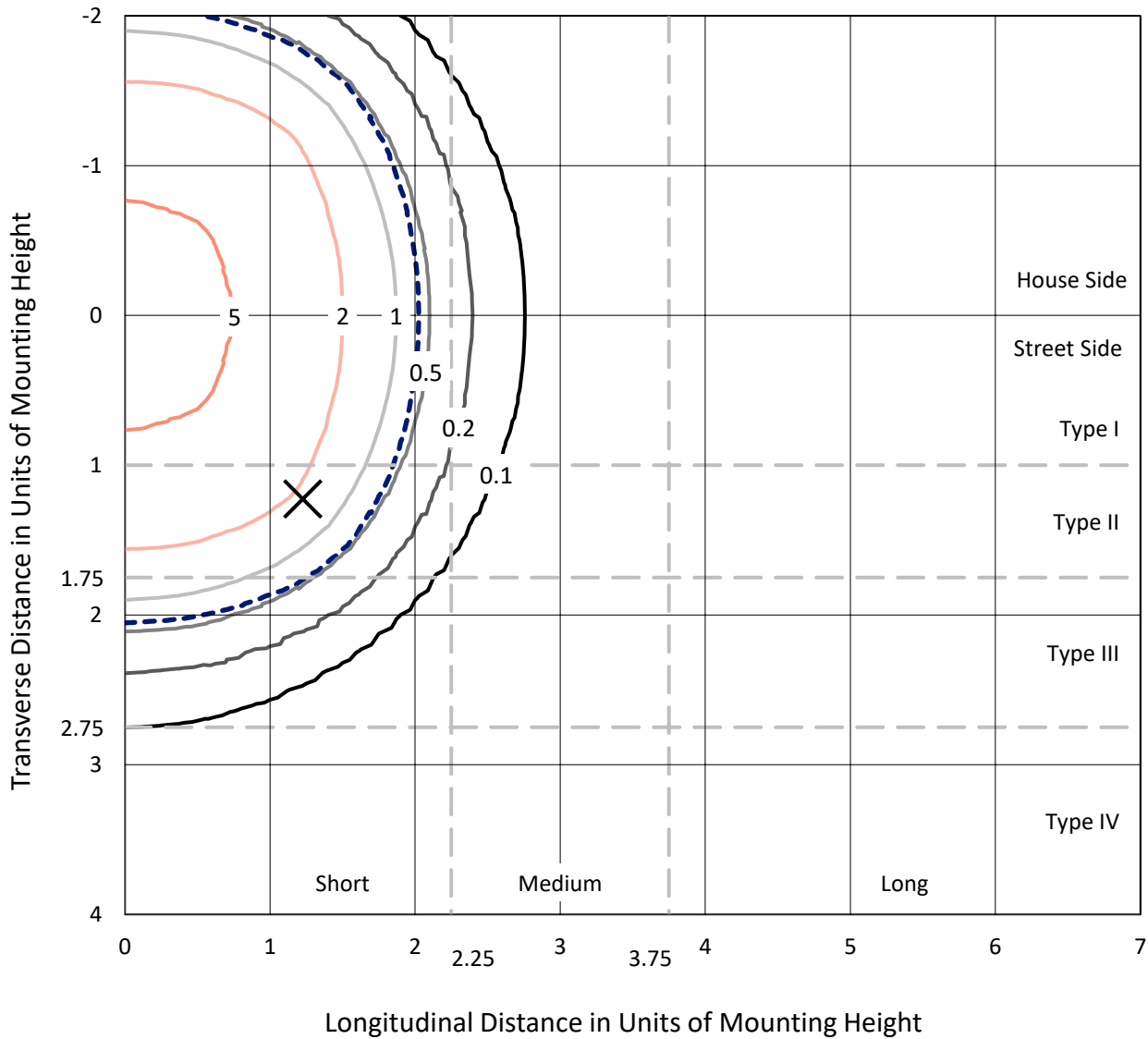
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

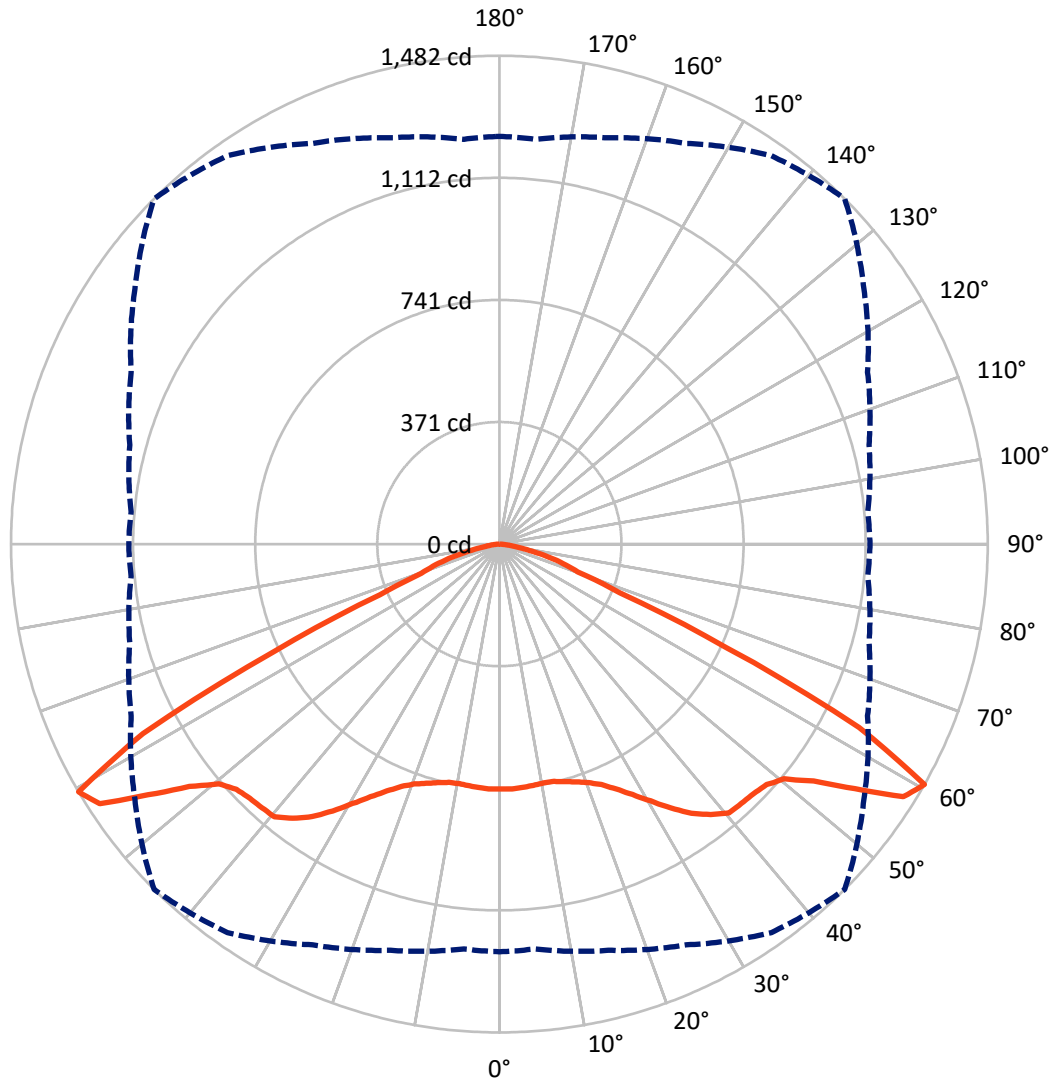
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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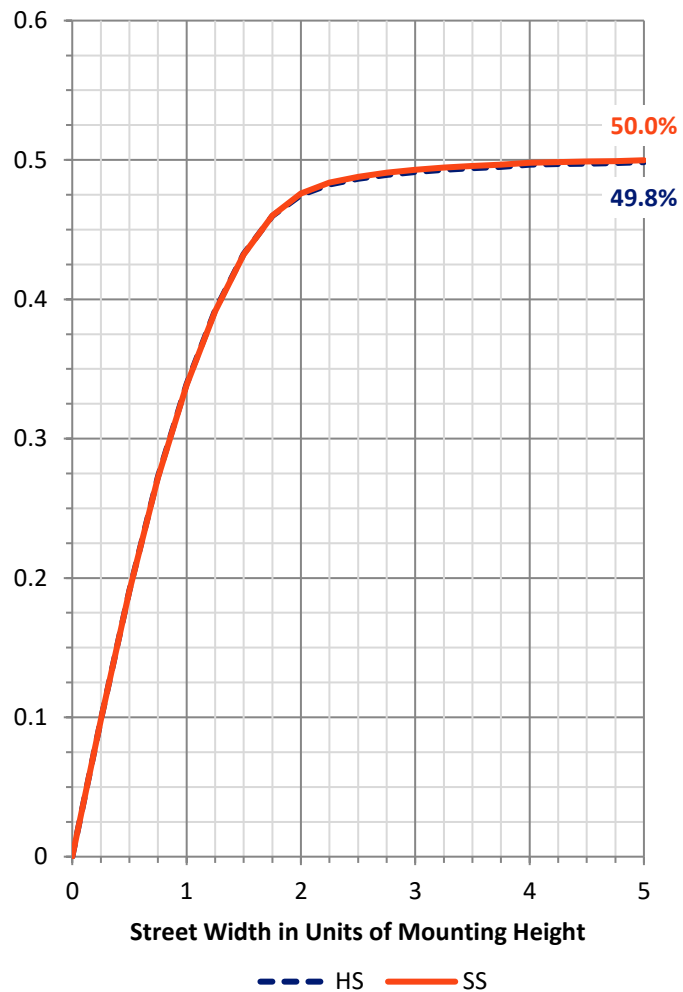
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2034.1	0.0	2034.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2034.1	0.0	2034.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4068.2	0.0	4068.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	1.7
10°-20°	212.1	5.2
20°-30°	375.2	9.2
30°-40°	604.1	14.8
40°-50°	830.3	20.4
50°-60°	1106.4	27.2
60°-70°	689.6	17.0
70°-80°	158.6	3.9
80°-90°	21.5	0.5
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°	4068.2	100.0
0°-180°	4068.2	100.0

Coefficient of Utilization



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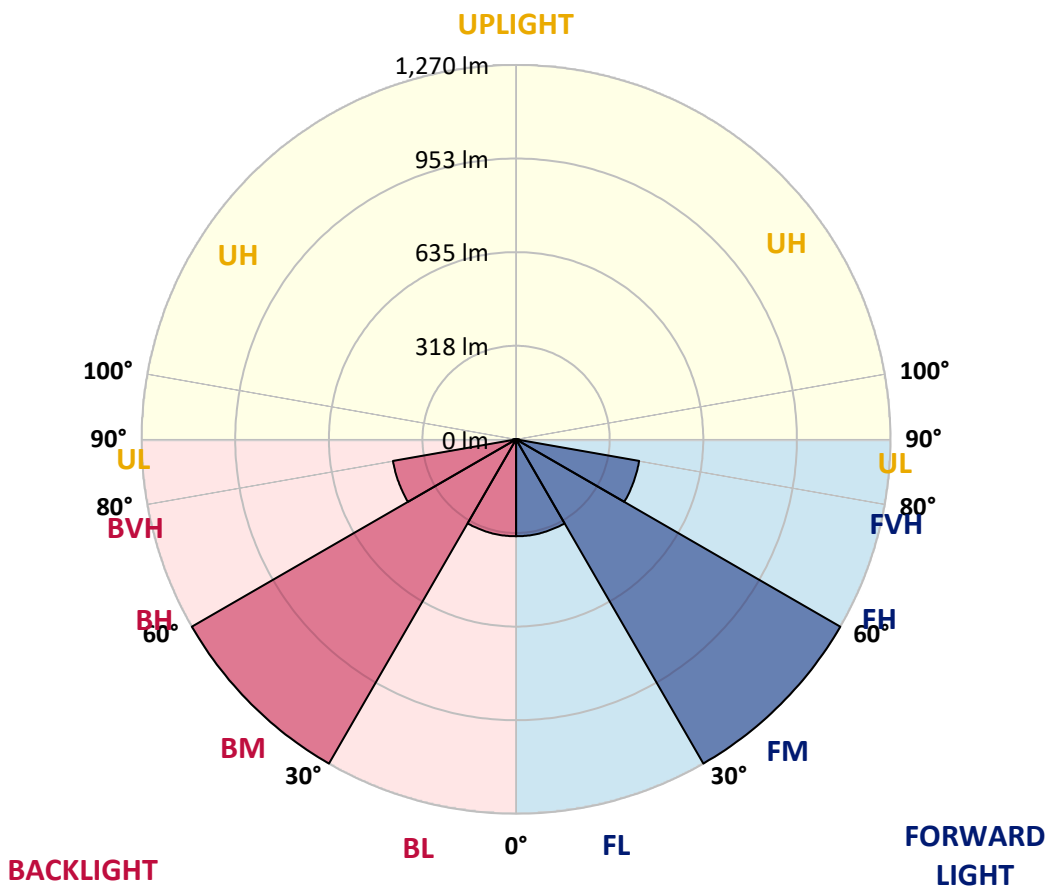
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	328.9	8.1			
FM (30°-60°)	1270.4	31.2			
FH (60°-80°)	424.1	10.4			G0/660
FVH (80°-90°)	10.8	0.3			G1/100
BL (0°-30°)	328.9	8.1	B1/500		
BM (30°-60°)	1270.4	31.2	B2/2500		
BH (60°-80°)	424.1	10.4	B1/500		G0/660
BVH (80°-90°)	10.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	743.5	743.5	743.5	743.5	743.5	743.5	743.5	743.5	743.5	743.5	743.5
2.5°	738.3	739.0	740.3	741.4	742.8	744.1	744.8	743.5	742.8	740.0	743.1
5°	739.0	739.7	740.7	740.7	741.0	742.1	742.1	740.3	738.6	735.5	739.0
7.5°	737.9	738.6	739.0	738.6	739.0	739.3	738.6	736.6	734.8	732.1	734.8
10°	736.2	736.9	737.6	736.9	736.2	737.2	737.2	735.9	734.8	732.1	735.2
12.5°	740.0	741.0	741.4	739.7	739.0	739.3	739.3	737.9	737.9	735.5	739.0
15°	749.0	749.7	748.6	746.6	746.9	747.9	745.5	742.1	741.4	740.3	743.1
17.5°	755.9	756.6	755.5	754.2	756.6	759.0	754.5	747.9	745.9	745.2	748.3
20°	763.5	764.5	763.1	764.9	769.7	772.5	766.9	758.0	753.8	752.8	756.6
22.5°	775.9	777.3	777.3	781.1	788.3	792.8	785.9	773.8	767.6	765.9	769.7
25°	795.6	796.6	797.7	805.3	817.0	823.2	812.2	795.6	787.0	784.2	786.3
27.5°	822.9	824.6	826.3	837.4	851.9	860.9	845.0	824.3	813.6	808.0	812.2
30°	855.3	857.8	861.9	874.3	894.7	904.7	884.3	859.1	847.1	841.2	846.7
32.5°	899.5	899.9	903.0	916.8	943.7	955.1	929.6	901.6	889.2	882.3	885.4
35°	952.0	952.4	947.5	961.7	990.7	1003.5	973.4	945.1	934.8	932.7	940.6
37.5°	1005.9	1002.8	998.0	1004.2	1033.5	1041.8	1010.0	985.9	981.4	985.2	996.9
40°	1044.2	1039.0	1029.4	1033.9	1063.6	1073.2	1039.4	1016.6	1015.2	1024.5	1038.7
42.5°	1069.1	1063.6	1052.2	1052.2	1072.5	1076.7	1050.4	1038.4	1041.5	1052.2	1065.6
45°	1081.2	1078.1	1071.5	1068.1	1079.4	1081.2	1061.1	1056.3	1062.2	1067.4	1077.7
47.5°	1090.5	1090.5	1088.4	1085.0	1090.2	1091.2	1076.3	1075.0	1082.6	1082.6	1089.5
50°	1107.1	1108.8	1111.6	1110.9	1116.4	1119.8	1108.8	1106.7	1109.8	1099.8	1103.3
52.5°	1150.6	1155.1	1163.0	1169.2	1183.4	1194.1	1174.4	1157.8	1141.6	1119.5	1120.2
55°	1228.6	1230.7	1246.2	1264.5	1288.4	1310.1	1269.7	1218.3	1183.0	1157.1	1157.5
57.5°	1294.6	1297.7	1320.5	1358.8	1412.3	1446.2	1356.7	1270.7	1221.0	1189.3	1190.3
60°	1237.6	1233.5	1276.6	1342.2	1439.3	1482.4	1350.5	1233.1	1161.6	1122.3	1125.0
62.5°	957.6	949.6	997.6	1066.3	1182.7	1225.9	1104.3	991.7	924.1	893.3	888.8
65°	582.9	575.6	610.2	652.3	731.0	758.3	702.7	643.0	583.9	565.3	560.1
67.5°	317.3	316.3	325.6	346.3	380.9	393.7	383.0	354.6	339.4	326.3	326.3
70°	251.7	249.7	247.9	248.3	251.4	253.1	253.5	252.1	253.8	254.1	252.8
72.5°	208.6	207.9	204.4	204.8	203.4	202.7	205.1	206.5	209.3	209.6	209.6
75°	151.2	149.5	151.2	151.6	150.2	150.2	151.9	151.6	153.0	153.7	149.9
77.5°	86.0	86.0	88.4	91.2	93.2	93.2	95.0	95.0	96.7	96.3	95.7
80°	47.3	47.3	48.7	50.4	52.5	54.6	56.3	56.6	57.7	57.3	56.3
82.5°	26.9	27.3	28.0	29.0	31.1	32.8	34.5	34.9	35.9	35.9	34.9
85°	12.8	12.4	12.8	13.5	14.5	15.9	17.6	18.6	19.3	19.3	18.6
87.5°	2.4	2.8	2.4	2.8	3.1	4.1	4.8	5.5	6.6	6.9	6.2
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)