

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: P630319

Luminaire Tested: GWS-SA1D-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630319
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-SA1D-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3191.1 lumens
Efficiency: N/A
Efficacy: 72.0 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

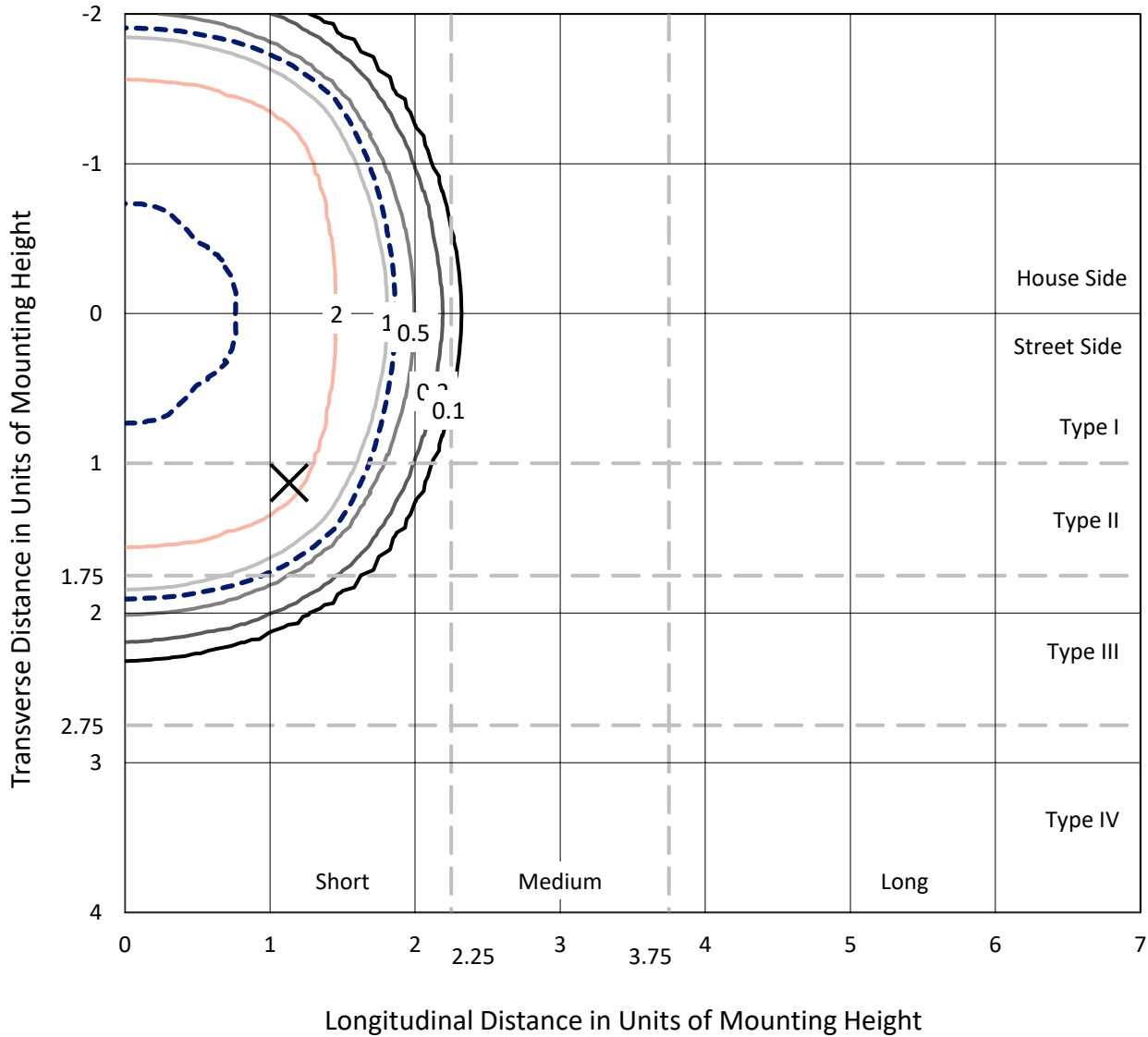
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

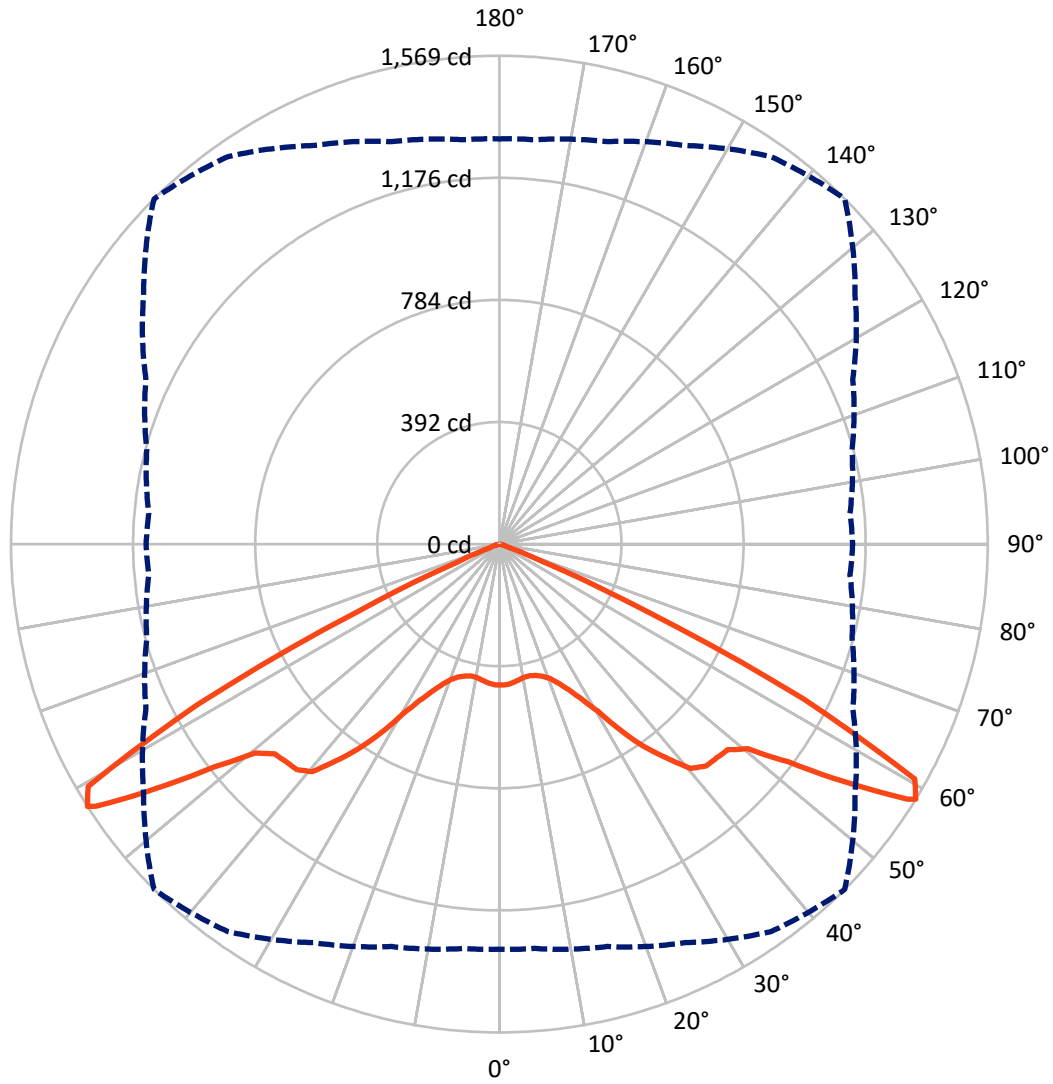
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1595.5	0.0	1595.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1595.5	0.0	1595.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3191.1	0.0	3191.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	1.3
10°-20°	124.9	3.9
20°-30°	236.3	7.4
30°-40°	466.0	14.6
40°-50°	737.4	23.1
50°-60°	1084.0	34.0
60°-70°	483.9	15.2
70°-80°	16.2	0.5
80°-90°	0.1	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°	3191.1	100.0
0°-180°	3191.1	100.0

Coefficient of Utilization



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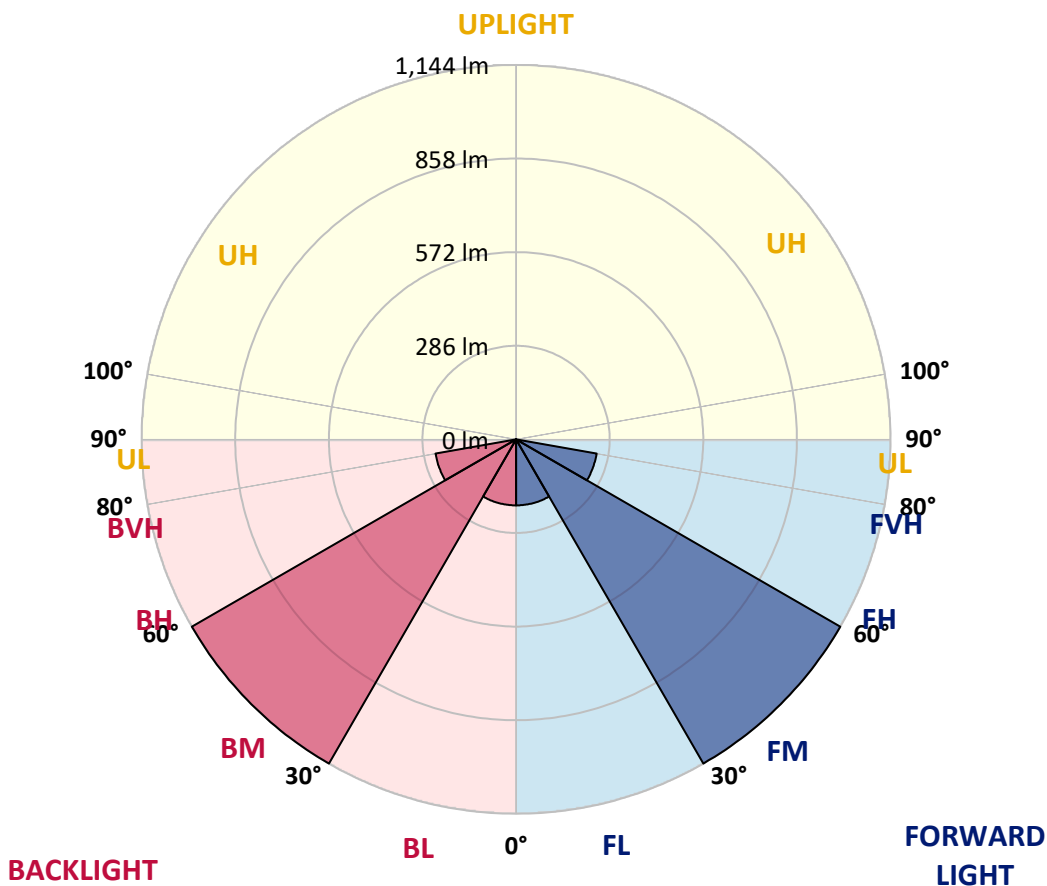
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	201.7	6.3			
FM (30°-60°)	1143.7	35.8			
FH (60°-80°)	250.0	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	201.7	6.3	B1/500		
BM (30°-60°)	1143.7	35.8	B2/2500		
BH (60°-80°)	250.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5
2.5°	448.2	449.1	449.9	450.4	450.8	452.1	452.5	451.2	451.2	448.6	451.7
5°	446.0	446.9	447.8	447.3	447.3	447.3	446.9	445.2	444.7	442.1	445.2
7.5°	442.1	443.0	443.0	441.7	440.8	440.8	440.4	438.2	437.8	435.2	438.2
10°	439.1	439.5	439.1	436.5	434.7	434.7	434.3	433.4	433.8	432.1	434.7
12.5°	440.8	441.2	439.5	436.0	433.8	433.4	432.1	430.8	432.1	431.7	434.3
15°	446.5	446.9	443.8	439.5	437.8	437.8	434.3	430.8	432.5	433.0	436.0
17.5°	453.4	453.4	449.5	445.6	446.0	446.0	440.4	434.3	434.7	436.5	439.5
20°	461.7	461.7	457.8	456.9	459.9	460.4	453.4	443.8	441.7	443.0	446.5
22.5°	476.4	476.4	473.4	475.6	482.5	484.7	474.3	460.8	455.6	456.5	459.9
25°	499.5	499.5	498.6	503.8	513.8	518.6	504.7	486.9	478.2	476.9	480.8
27.5°	538.2	538.6	537.3	545.1	557.7	563.4	544.3	520.8	510.4	508.2	512.1
30°	588.2	588.2	588.6	599.5	616.0	623.4	598.2	570.8	558.6	551.7	556.9
32.5°	643.8	644.7	649.0	667.3	696.4	711.6	674.7	636.4	616.9	609.5	615.1
35°	735.5	727.3	722.1	735.5	777.7	797.7	750.3	705.5	690.8	689.9	704.2
37.5°	826.4	821.6	810.7	824.7	862.5	871.6	819.4	782.1	771.6	777.3	791.6
40°	898.6	889.9	875.5	888.6	938.1	947.2	882.9	846.0	842.0	854.7	874.2
42.5°	955.5	943.3	924.2	927.3	967.2	973.8	916.8	889.0	891.6	907.3	929.4
45°	981.2	971.6	954.6	953.3	978.5	979.0	934.2	919.9	926.8	939.0	956.4
47.5°	992.0	987.7	978.1	975.9	990.3	986.8	959.0	952.9	959.4	962.9	972.9
50°	1019.0	1019.0	1020.3	1022.0	1036.8	1033.3	1013.8	1006.8	998.5	986.4	989.4
52.5°	1094.6	1097.7	1110.3	1124.2	1151.1	1162.4	1130.7	1090.3	1050.7	1024.2	1024.2
55°	1231.1	1234.2	1248.9	1272.4	1322.0	1348.9	1275.0	1185.9	1131.6	1095.5	1100.3
57.5°	1306.3	1309.8	1340.2	1403.7	1499.8	1545.4	1386.7	1254.6	1178.5	1137.2	1140.7
58°	1301.5	1303.7	1338.1	1412.4	1519.3	1568.5	1394.6	1252.4	1172.4	1130.3	1134.6
60°	1156.3	1153.3	1208.1	1314.1	1465.0	1532.8	1316.8	1143.3	1050.3	1007.2	1009.4
62.5°	756.0	757.7	805.1	915.9	1033.3	1097.2	919.9	790.8	716.0	689.9	683.4
65°	315.6	310.0	339.1	400.8	471.2	506.9	435.6	368.6	322.6	305.2	310.0
67.5°	81.3	79.1	80.9	101.3	123.9	146.5	123.0	93.9	81.7	82.6	82.6
70°	46.1	43.5	35.2	32.6	31.7	31.7	31.7	31.7	36.5	43.0	44.3
72.5°	34.8	32.6	25.6	22.2	19.6	18.3	19.1	22.2	26.5	32.2	33.0
75°	17.4	17.4	15.6	14.8	13.0	12.2	12.6	13.9	16.1	18.3	17.8
77.5°	3.5	3.9	4.3	5.2	4.3	4.3	4.3	5.2	5.2	5.7	5.2
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.4	0.4	0.0	0.0	0.0	0.0	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	0.0	0.4	0.4
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)