

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: P629326

Luminaire Tested: GWS-SA1B-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3138.1 lumens
Efficiency: N/A
Efficacy: 125.5 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

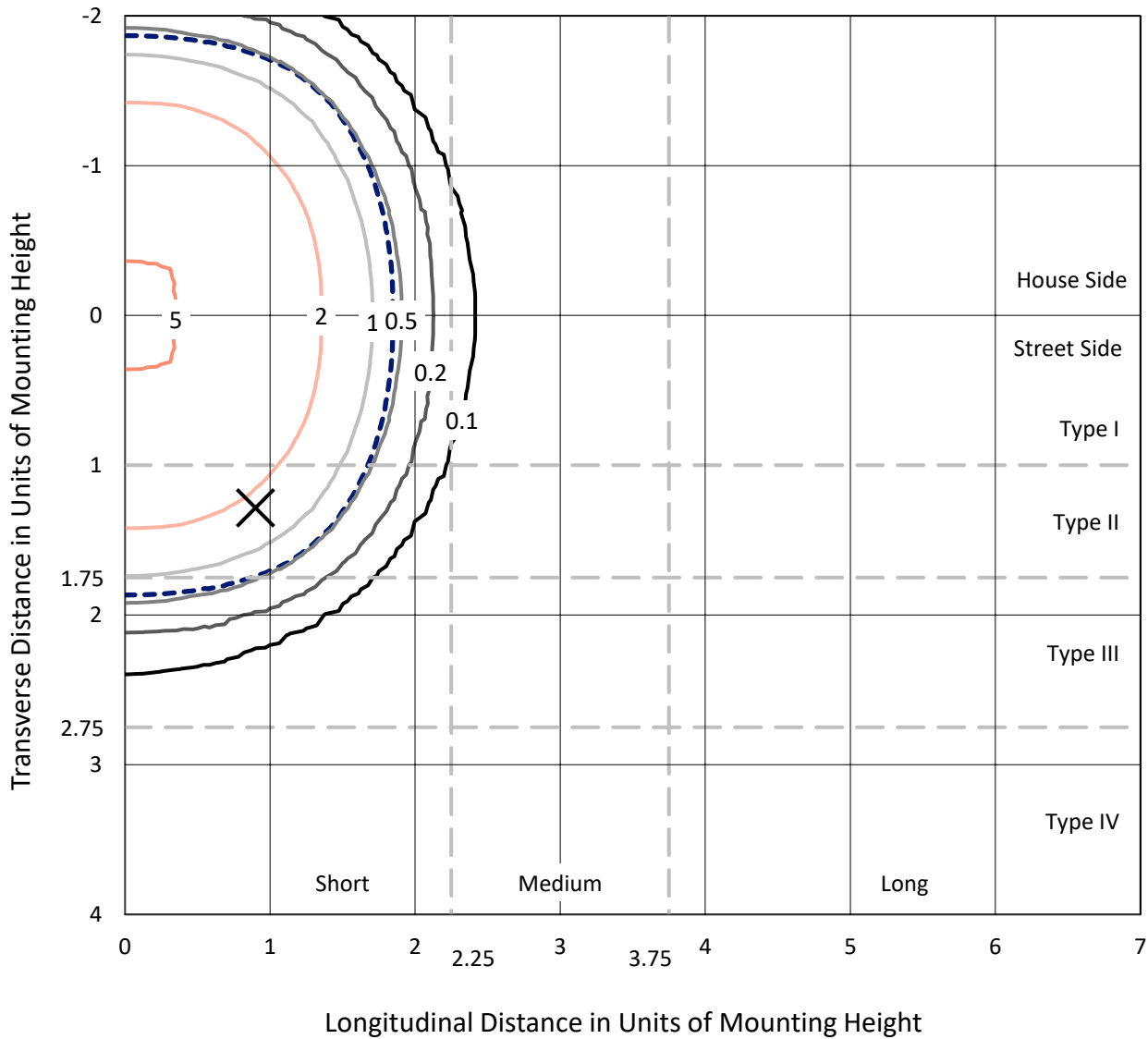
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629326
 CATALOG NUMBER: GWS-SA1B-740-U-5MQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

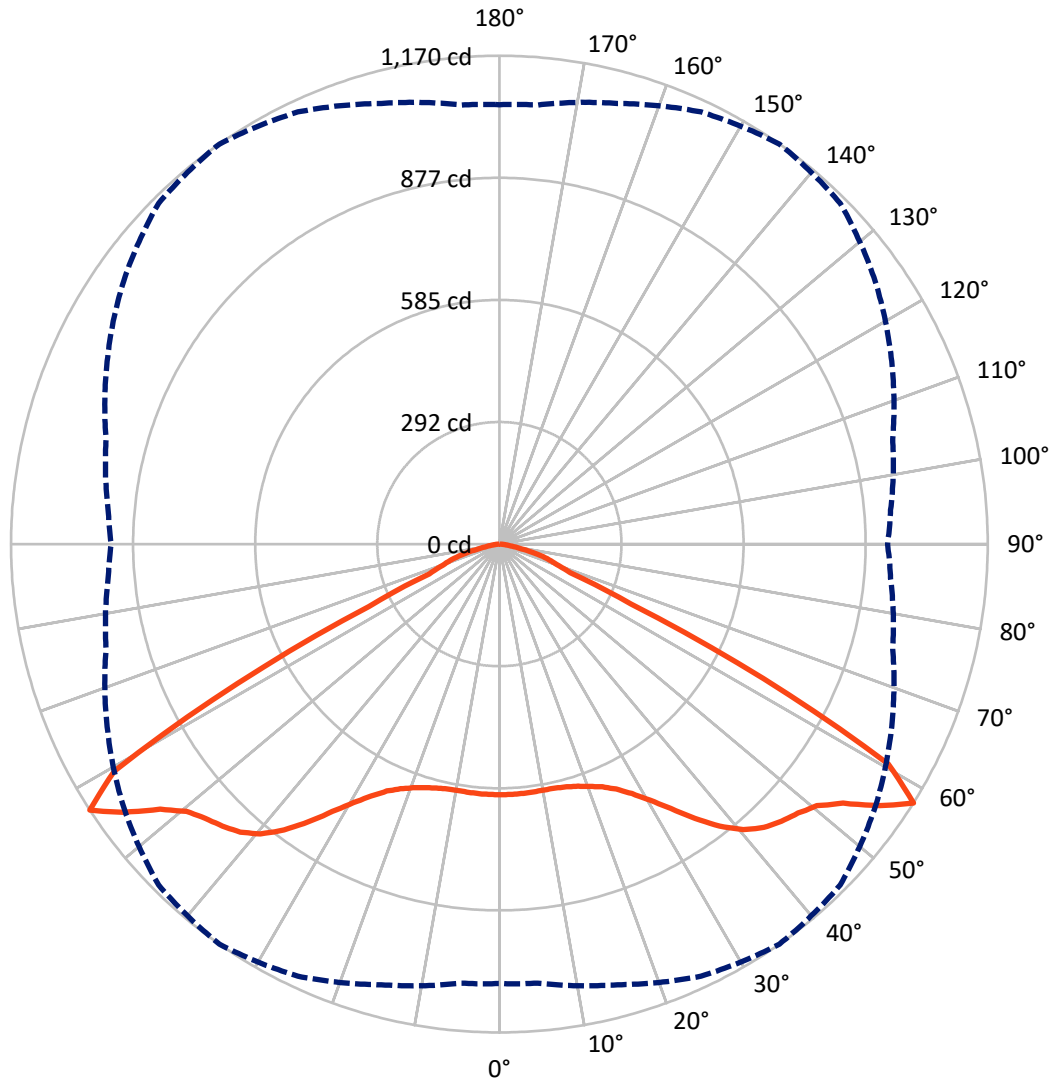
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

REPORT NUMBER: P629326
CATALOG NUMBER: GWS-SA1B-740-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629326

CATALOG NUMBER: GWS-SA1B-740-U-5MQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1569.0	0.0	1569.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1569.0	0.0	1569.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3138.1	0.0	3138.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.1	1.8
10°-20°	170.4	5.4
20°-30°	297.4	9.5
30°-40°	487.6	15.5
40°-50°	718.1	22.9
50°-60°	916.4	29.2
60°-70°	386.2	12.3
70°-80°	92.3	2.9
80°-90°	12.6	0.4
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°	3138.1	100.0
0°-180°	3138.1	100.0

Coefficient of Utilization



REPORT NUMBER: P629326

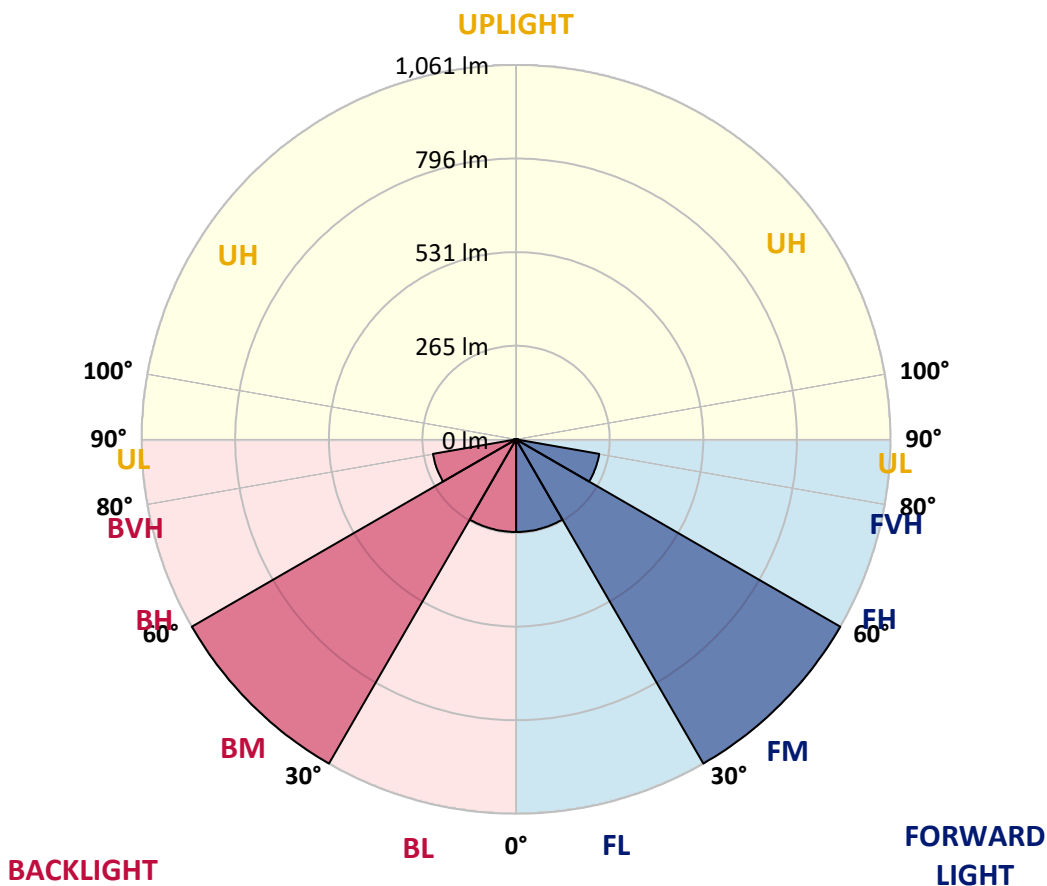
CATALOG NUMBER: GWS-SA1B-740-U-5MQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.4	8.4			
FM (30°-60°)	1061.1	33.8			
FH (60°-80°)	239.2	7.6			G0/660
FVH (80°-90°)	6.3	0.2			G0/10
BL (0°-30°)	262.4	8.4	B1/500		
BM (30°-60°)	1061.1	33.8	B2/2500		
BH (60°-80°)	239.2	7.6	B1/500		G0/660
BVH (80°-90°)	6.3	0.2			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





REPORT NUMBER: P629326

CATALOG NUMBER: GWS-SA1B-740-U-5MQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	600.4	600.4	600.4	600.4	600.4	600.4	600.4	600.4	600.4	600.4	600.4
2.5°	596.8	596.8	598.1	599.4	599.9	602.2	602.0	601.2	600.7	599.2	601.2
5°	598.1	598.1	599.2	599.9	599.7	601.5	600.7	599.4	598.6	597.1	599.4
7.5°	597.9	597.9	598.6	599.4	598.9	600.4	599.2	597.4	596.1	594.5	596.6
10°	594.5	595.0	595.8	597.6	598.4	600.7	598.9	596.1	594.0	592.2	594.3
12.5°	594.0	594.5	595.6	597.9	599.2	602.5	600.2	595.6	592.5	590.2	592.2
15°	596.3	596.8	598.4	601.2	603.3	606.9	603.5	597.1	592.7	589.6	591.4
17.5°	599.2	599.9	602.2	606.3	609.7	613.5	609.4	601.7	595.6	591.4	593.0
20°	602.2	603.3	606.9	613.0	619.2	624.1	618.9	608.7	601.2	595.8	597.4
22.5°	607.6	608.9	613.5	622.3	631.5	638.7	632.3	618.4	608.7	601.7	603.0
25°	618.7	620.2	626.1	636.7	649.8	658.5	649.5	633.8	620.2	611.7	613.0
27.5°	638.2	639.0	646.7	660.6	676.7	686.8	676.0	657.5	642.3	632.6	633.6
30°	663.9	666.2	673.9	692.2	711.4	724.8	710.7	688.8	671.4	659.5	660.6
32.5°	695.2	696.8	708.3	727.4	755.1	770.5	751.3	725.3	704.2	689.9	690.9
35°	736.4	737.6	748.7	772.8	806.5	820.9	798.8	769.0	744.6	731.0	734.8
37.5°	785.4	787.7	795.7	819.6	857.1	871.2	845.8	818.1	792.6	780.0	782.9
40°	838.1	837.8	844.3	865.3	899.5	908.2	885.4	863.3	841.4	833.2	837.8
42.5°	883.3	882.0	886.7	904.1	927.8	928.5	913.4	901.0	885.6	880.0	884.3
45°	914.9	915.4	922.4	934.4	946.5	940.1	935.5	933.4	921.3	913.6	914.4
47.5°	939.8	941.9	952.9	961.2	962.7	951.9	958.3	961.4	951.4	939.6	936.2
50°	961.9	965.3	979.7	988.4	985.1	971.4	984.0	988.7	966.6	944.0	937.3
52.5°	1002.0	1005.9	1023.3	1034.6	1030.8	1017.2	1029.0	1012.6	975.3	947.5	939.1
55°	1066.0	1067.8	1089.1	1107.6	1105.8	1089.1	1079.6	1043.1	997.9	969.1	961.2
57.5°	1052.4	1055.5	1092.5	1141.8	1169.5	1154.4	1098.6	1036.4	975.0	940.4	929.6
60°	828.1	835.5	881.5	968.4	1070.1	1069.8	966.3	869.7	795.7	749.7	745.1
62.5°	483.5	488.7	530.6	618.4	709.6	715.3	642.6	576.3	511.5	480.5	465.6
65°	228.9	228.7	245.4	284.9	346.6	351.5	329.6	293.4	255.1	244.6	241.8
67.5°	169.1	169.1	167.8	170.6	182.4	185.0	182.4	176.5	172.9	175.2	173.7
70°	146.7	147.0	145.4	144.7	144.7	143.9	144.9	147.2	148.8	151.8	150.3
72.5°	119.0	119.2	119.2	119.5	119.7	118.7	120.2	121.5	121.8	122.8	121.8
75°	84.5	85.0	86.6	87.9	88.9	88.9	89.4	89.7	88.6	89.9	87.9
77.5°	46.5	47.0	49.8	52.2	54.5	54.7	55.5	56.0	55.5	56.5	55.0
80°	25.7	26.2	27.5	28.5	30.3	31.9	32.9	33.4	33.4	34.2	33.4
82.5°	14.6	15.2	15.9	16.4	18.0	19.3	20.3	21.1	21.1	21.3	20.8
85°	6.9	6.9	7.5	8.0	8.7	9.2	10.5	11.3	11.3	11.8	11.3
87.5°	1.0	1.3	1.5	1.5	2.1	2.6	3.1	3.3	3.9	4.1	4.1
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)