

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: P642806

Luminaire Tested: GWS-SA6D-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642806
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36639.1 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

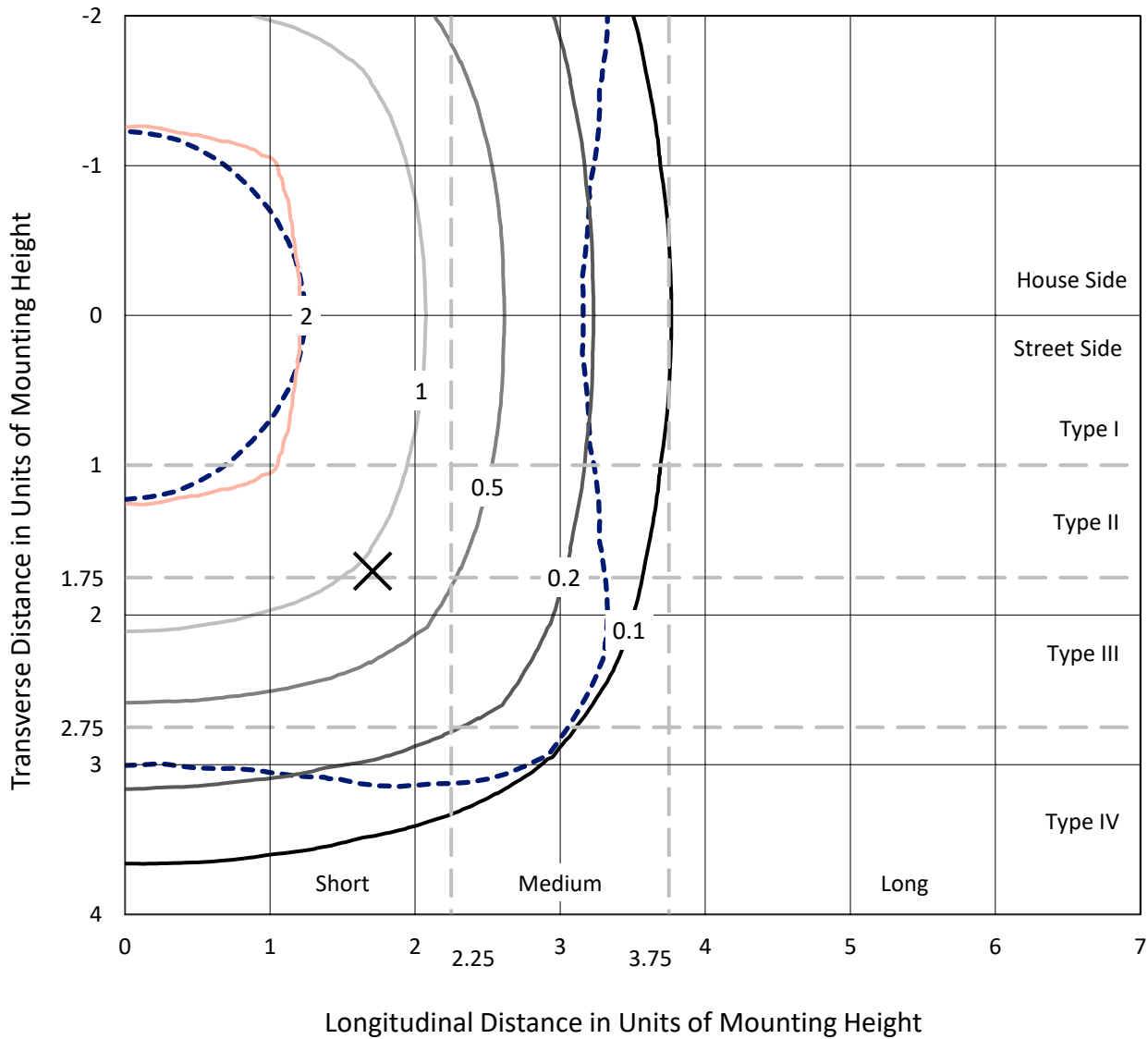
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642806
 CATALOG NUMBER: GWS-SA6D-760-U-5WQ-W

Iso-Footcandle Lines of Horizontal Illumination

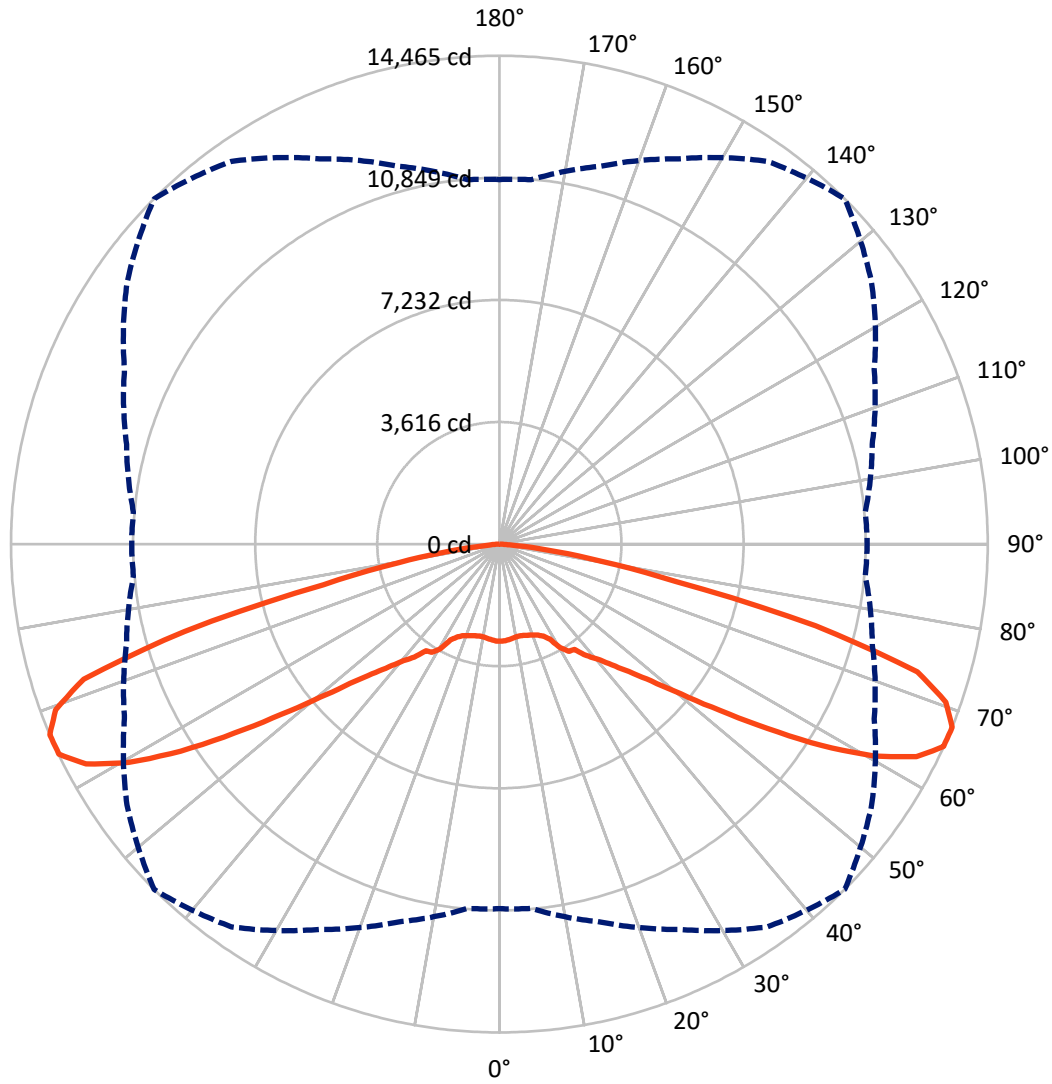
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

REPORT NUMBER: P642806
CATALOG NUMBER: GWS-SA6D-760-U-5WQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P642806

CATALOG NUMBER: GWS-SA6D-760-U-5WQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18319.5	0.0	18319.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18319.5	0.0	18319.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36639.1	0.0	36639.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.8	0.7
10°-20°	800.6	2.2
20°-30°	1436.1	3.9
30°-40°	2426.0	6.6
40°-50°	4262.5	11.6
50°-60°	8222.6	22.4
60°-70°	11929.9	32.6
70°-80°	6825.7	18.6
80°-90°	465.9	1.3
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°	36639.1	100.0
0°-180°	36639.1	100.0

Coefficient of Utilization



REPORT NUMBER: P642806

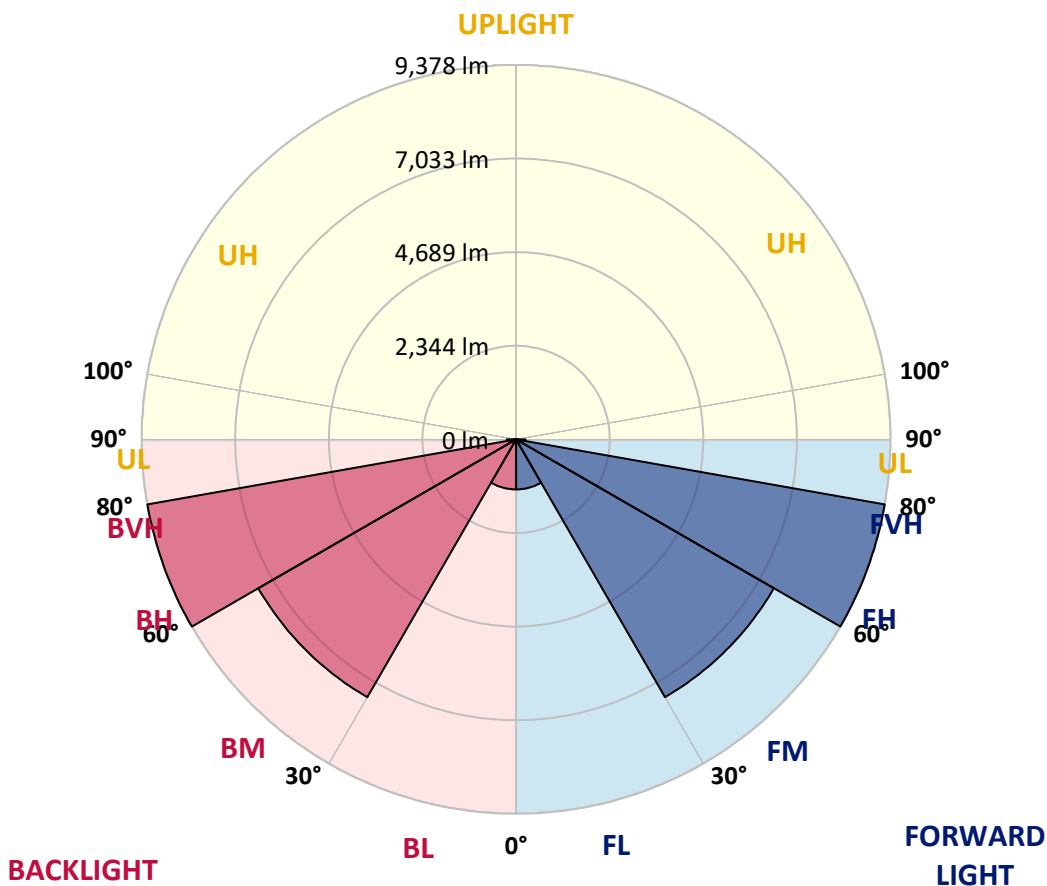
CATALOG NUMBER: GWS-SA6D-760-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1253.2	3.4			
FM (30°-60°)	7455.6	20.3			
FH (60°-80°)	9377.8	25.6			G4/12000
FVH (80°-90°)	232.9	0.6			G3/500
BL (0°-30°)	1253.2	3.4	B3/2500		
BM (30°-60°)	7455.6	20.3	B4/8500		
BH (60°-80°)	9377.8	25.6	B5		G4/12000
BVH (80°-90°)	232.9	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





REPORT NUMBER: P642806

CATALOG NUMBER: GWS-SA6D-760-U-5WQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3
2.5°	2849.9	2852.5	2857.7	2857.7	2862.9	2870.7	2873.3	2868.1	2870.7	2857.7	2870.7
5°	2842.2	2844.8	2847.3	2842.2	2842.2	2844.8	2844.8	2839.6	2842.2	2829.2	2842.2
7.5°	2824.0	2826.6	2826.6	2818.8	2811.1	2816.3	2816.3	2811.1	2813.7	2800.7	2816.3
10°	2808.5	2808.5	2805.9	2790.3	2782.6	2790.3	2792.9	2795.5	2805.9	2795.5	2813.7
12.5°	2818.8	2818.8	2811.1	2790.3	2777.4	2782.6	2787.8	2792.9	2811.1	2808.5	2829.2
15°	2847.3	2849.9	2829.2	2805.9	2798.1	2805.9	2800.7	2798.1	2821.4	2829.2	2852.5
17.5°	2870.7	2870.7	2844.8	2821.4	2824.0	2837.0	2826.6	2813.7	2837.0	2852.5	2878.4
20°	2891.4	2888.8	2860.3	2844.8	2855.1	2873.3	2865.5	2847.3	2862.9	2881.0	2904.3
22.5°	2943.2	2940.6	2909.5	2901.8	2912.1	2930.3	2922.5	2906.9	2925.1	2951.0	2979.5
25°	3090.9	3085.7	3039.1	3013.2	3008.0	3020.9	3018.3	3013.2	3041.7	3072.7	3106.4
27.5°	3287.8	3285.2	3251.5	3225.6	3191.9	3181.6	3189.3	3212.7	3254.1	3277.4	3305.9
30°	3386.2	3386.2	3381.1	3422.5	3495.1	3565.0	3510.6	3422.5	3386.2	3375.9	3404.4
32.5°	3515.8	3528.7	3510.6	3557.2	3679.0	3782.6	3679.0	3536.5	3510.6	3510.6	3541.7
35°	3813.7	3818.9	3790.4	3782.6	3821.5	3834.5	3785.2	3733.4	3761.9	3767.1	3806.0
37.5°	4052.1	4052.1	4039.1	4059.9	4140.2	4189.4	4109.1	4015.8	4023.6	4028.8	4078.0
40°	4420.0	4430.4	4399.3	4396.7	4427.8	4471.8	4386.3	4326.7	4368.2	4381.1	4456.3
42.5°	4878.6	4878.6	4831.9	4819.0	4839.7	4886.3	4806.0	4767.2	4821.6	4831.9	4876.0
45°	5425.2	5438.2	5376.0	5352.7	5363.1	5378.6	5321.6	5303.5	5355.3	5378.6	5456.3
47.5°	6091.1	6104.0	6049.6	6047.0	6036.7	6047.0	5992.6	5982.3	6023.7	6005.6	6088.5
50°	6912.4	6935.7	6889.1	6953.8	6946.1	6977.2	6902.0	6847.6	6847.6	6798.4	6845.0
52.5°	7832.1	7878.8	7902.1	8010.9	8093.8	8171.5	8047.2	7961.7	7837.3	7736.3	7863.2
55°	8834.8	8821.8	8969.5	9207.9	9451.4	9635.4	9391.8	9122.4	8920.3	8710.4	8759.7
57.5°	9713.1	9757.1	9951.5	10386.7	10868.6	11257.2	10819.4	10301.2	9842.6	9542.1	9583.6
60°	10443.7	10480.0	10739.1	11366.1	12208.1	12744.4	12050.0	11195.1	10529.2	10114.7	10158.7
62.5°	11117.3	11151.0	11412.7	12104.5	13166.7	13866.2	12969.8	11801.3	11060.3	10643.2	10669.1
65°	11506.0	11526.7	11884.2	12612.3	13731.5	14454.4	13443.9	12239.2	11511.1	11086.2	11101.8
67.5°	10798.7	10832.3	11586.3	12591.5	13840.3	14464.7	13464.7	12252.1	11433.4	10879.0	10891.9
70°	8518.7	8490.2	9389.2	11117.3	13215.9	14029.5	12866.2	11332.4	10068.0	9293.4	9280.4
72.5°	6495.3	6503.0	7003.1	8187.1	10775.3	12946.5	11353.1	9125.0	7762.2	7174.1	7150.7
75°	4710.2	4782.7	5189.5	6057.4	7536.8	9676.8	8547.2	6762.1	5850.1	5497.8	5446.0
77.5°	2121.9	2215.2	2782.6	3803.4	5039.2	5347.5	5368.2	4591.0	3464.0	2878.4	2787.8
80°	619.2	663.3	852.4	1458.6	2347.3	3033.9	2409.5	2026.0	1261.7	989.7	943.1
82.5°	261.7	297.9	365.3	404.2	681.4	1406.8	875.7	557.0	518.2	419.7	383.4
85°	111.4	119.2	152.9	163.2	220.2	300.5	277.2	251.3	240.9	186.5	171.0
87.5°	46.6	46.6	46.6	41.5	38.9	41.5	57.0	72.5	95.9	75.1	70.0
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)