

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: P640221

Luminaire Tested: GWS-SA5D-740-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640221
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-SA5D-740-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30455.5 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

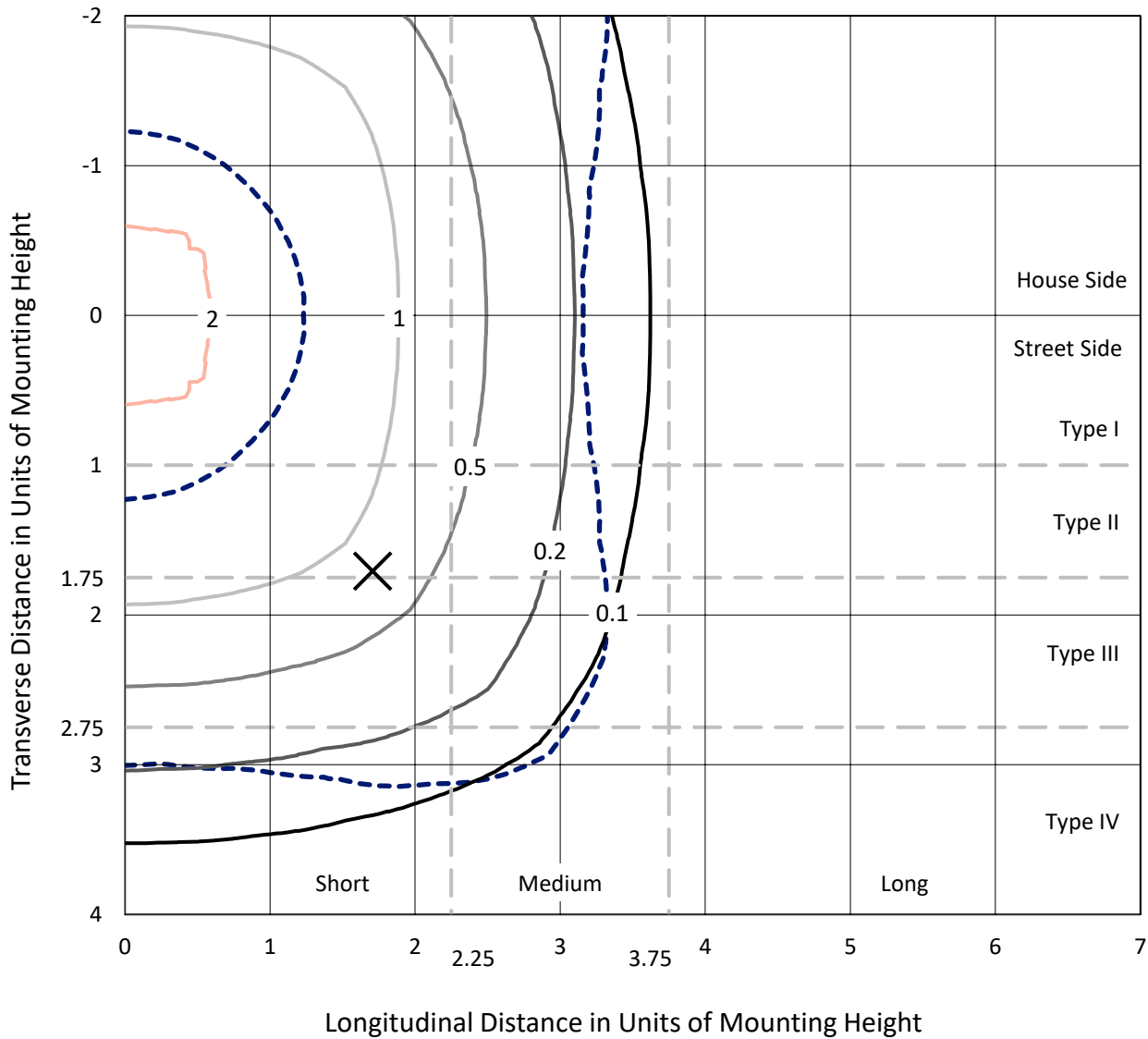
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640221
 CATALOG NUMBER: GWS-SA5D-740-U-5WQ-W

Iso-Footcandle Lines of Horizontal Illumination

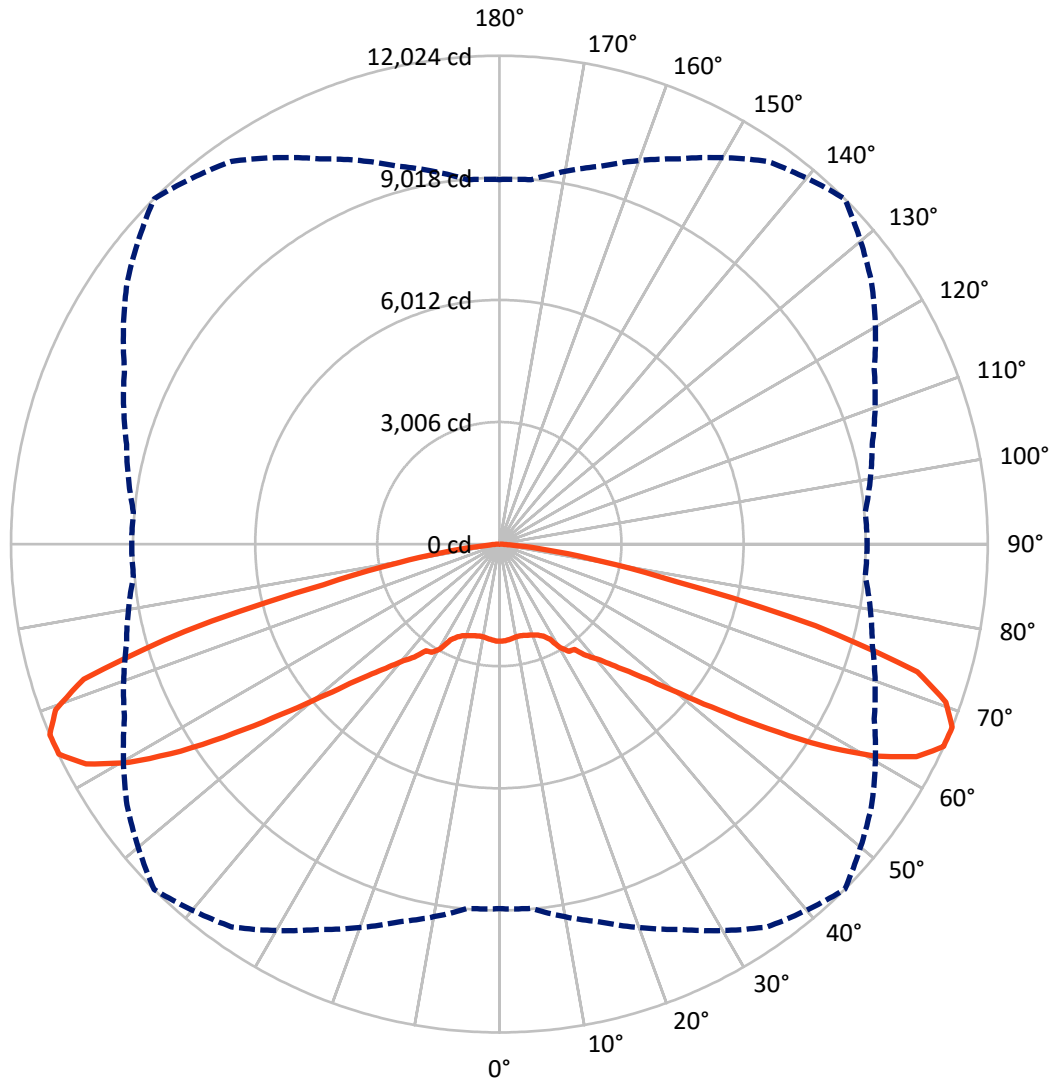
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

REPORT NUMBER: P640221
CATALOG NUMBER: GWS-SA5D-740-U-5WQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P640221

CATALOG NUMBER: GWS-SA5D-740-U-5WQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15227.8	0.0	15227.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15227.8	0.0	15227.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	30455.5	0.0	30455.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.2	0.7
10°-20°	665.5	2.2
20°-30°	1193.8	3.9
30°-40°	2016.6	6.6
40°-50°	3543.1	11.6
50°-60°	6834.9	22.4
60°-70°	9916.5	32.6
70°-80°	5673.8	18.6
80°-90°	387.2	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°	30455.5	100.0
0°-180°	30455.5	100.0

Coefficient of Utilization



REPORT NUMBER: P640221

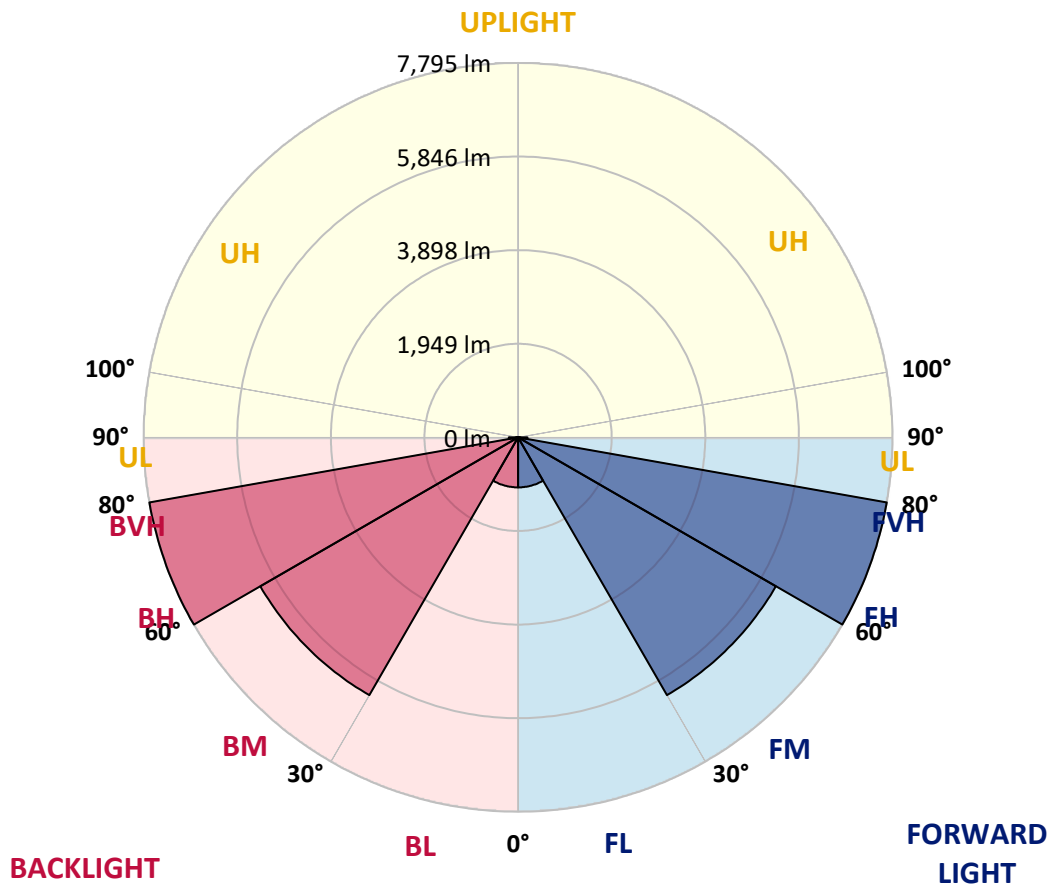
CATALOG NUMBER: GWS-SA5D-740-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1041.7	3.4			
FM (30°-60°)	6197.3	20.3			
FH (60°-80°)	7795.1	25.6			G4/12000
FVH (80°-90°)	193.6	0.6			G2/225
BL (0°-30°)	1041.7	3.4	B3/2500		
BM (30°-60°)	6197.3	20.3	B4/8500		
BH (60°-80°)	7795.1	25.6	B5		G4/12000
BVH (80°-90°)	193.6	0.6			G2/225
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: P640221
 CATALOG NUMBER: GWS-SA5D-740-U-5WQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2388.3	2388.3	2388.3	2388.3	2388.3	2388.3	2388.3	2388.3	2388.3	2388.3	2388.3
2.5°	2369.0	2371.1	2375.4	2375.4	2379.7	2386.2	2388.3	2384.0	2386.2	2375.4	2386.2
5°	2362.5	2364.6	2366.8	2362.5	2362.5	2364.6	2364.6	2360.3	2362.5	2351.7	2362.5
7.5°	2347.4	2349.6	2349.6	2343.1	2336.6	2341.0	2341.0	2336.6	2338.8	2328.0	2341.0
10°	2334.5	2334.5	2332.3	2319.4	2313.0	2319.4	2321.6	2323.7	2332.3	2323.7	2338.8
12.5°	2343.1	2343.1	2336.6	2319.4	2308.6	2313.0	2317.3	2321.6	2336.6	2334.5	2351.7
15°	2366.8	2369.0	2351.7	2332.3	2325.9	2332.3	2328.0	2325.9	2345.3	2351.7	2371.1
17.5°	2386.2	2386.2	2364.6	2345.3	2347.4	2358.2	2349.6	2338.8	2358.2	2371.1	2392.6
20°	2403.4	2401.3	2377.6	2364.6	2373.3	2388.3	2381.9	2366.8	2379.7	2394.8	2414.2
22.5°	2446.5	2444.3	2418.5	2412.0	2420.6	2435.7	2429.3	2416.3	2431.4	2452.9	2476.6
25°	2569.2	2564.9	2526.2	2504.6	2500.3	2511.1	2508.9	2504.6	2528.3	2554.2	2582.2
27.5°	2732.9	2730.8	2702.8	2681.2	2653.2	2644.6	2651.1	2670.5	2704.9	2724.3	2748.0
30°	2814.7	2814.7	2810.4	2844.9	2905.2	2963.3	2918.1	2844.9	2814.7	2806.1	2829.8
32.5°	2922.4	2933.2	2918.1	2956.9	3058.1	3144.2	3058.1	2939.7	2918.1	2918.1	2944.0
35°	3170.1	3174.4	3150.7	3144.2	3176.5	3187.3	3146.4	3103.3	3127.0	3131.3	3163.6
37.5°	3368.2	3368.2	3357.4	3374.7	3441.4	3482.4	3415.6	3338.1	3344.5	3348.8	3389.8
40°	3674.0	3682.6	3656.8	3654.6	3680.5	3717.1	3646.0	3596.5	3631.0	3641.7	3704.2
42.5°	4055.2	4055.2	4016.4	4005.7	4022.9	4061.7	3994.9	3962.6	4007.8	4016.4	4053.1
45°	4509.6	4520.4	4468.7	4449.3	4457.9	4470.9	4423.5	4408.4	4451.5	4470.9	4535.5
47.5°	5063.1	5073.9	5028.6	5026.5	5017.9	5026.5	4981.3	4972.6	5007.1	4992.0	5060.9
50°	5745.8	5765.2	5726.4	5780.2	5773.8	5799.6	5737.2	5691.9	5691.9	5651.0	5689.8
52.5°	6510.3	6549.1	6568.5	6658.9	6727.8	6792.4	6689.1	6618.0	6514.6	6430.6	6536.1
55°	7343.7	7333.0	7455.7	7653.9	7856.3	8009.2	7806.8	7582.8	7414.8	7240.4	7281.3
57.5°	8073.8	8110.4	8271.9	8633.7	9034.3	9357.4	8993.4	8562.7	8181.5	7931.7	7966.1
60°	8681.1	8711.3	8926.6	9447.8	10147.7	10593.5	10016.4	9305.7	8752.2	8407.6	8444.2
62.5°	9241.1	9269.1	9486.6	10061.6	10944.6	11526.0	10780.9	9809.6	9193.7	8847.0	8868.5
65°	9564.1	9581.3	9878.5	10483.7	11414.0	12014.9	11175.0	10173.6	9568.4	9215.2	9228.1
67.5°	8976.2	9004.2	9630.9	10466.5	11504.5	12023.5	11192.2	10184.3	9503.8	9042.9	9053.7
70°	7081.0	7057.3	7804.6	9241.1	10985.5	11661.7	10694.7	9419.8	8368.9	7724.9	7714.2
72.5°	5399.1	5405.5	5821.2	6805.3	8956.8	10761.5	9437.0	7584.9	6452.2	5963.3	5943.9
75°	3915.2	3975.5	4313.6	5035.1	6264.8	8043.7	7104.7	5620.9	4862.8	4569.9	4526.8
77.5°	1763.8	1841.3	2313.0	3161.5	4188.7	4445.0	4462.2	3816.2	2879.4	2392.6	2317.3
80°	514.7	551.3	708.5	1212.5	1951.2	2521.9	2002.8	1684.1	1048.8	822.7	783.9
82.5°	217.5	247.7	303.7	336.0	566.4	1169.4	727.9	463.0	430.7	348.9	318.7
85°	92.6	99.1	127.1	135.7	183.1	249.8	230.4	208.9	200.3	155.1	142.1
87.5°	38.8	38.8	38.8	34.5	32.3	34.5	47.4	60.3	79.7	62.5	58.1
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)