

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: P640331

Luminaire Tested: GWS-SA5D-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640331
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-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30726.4 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

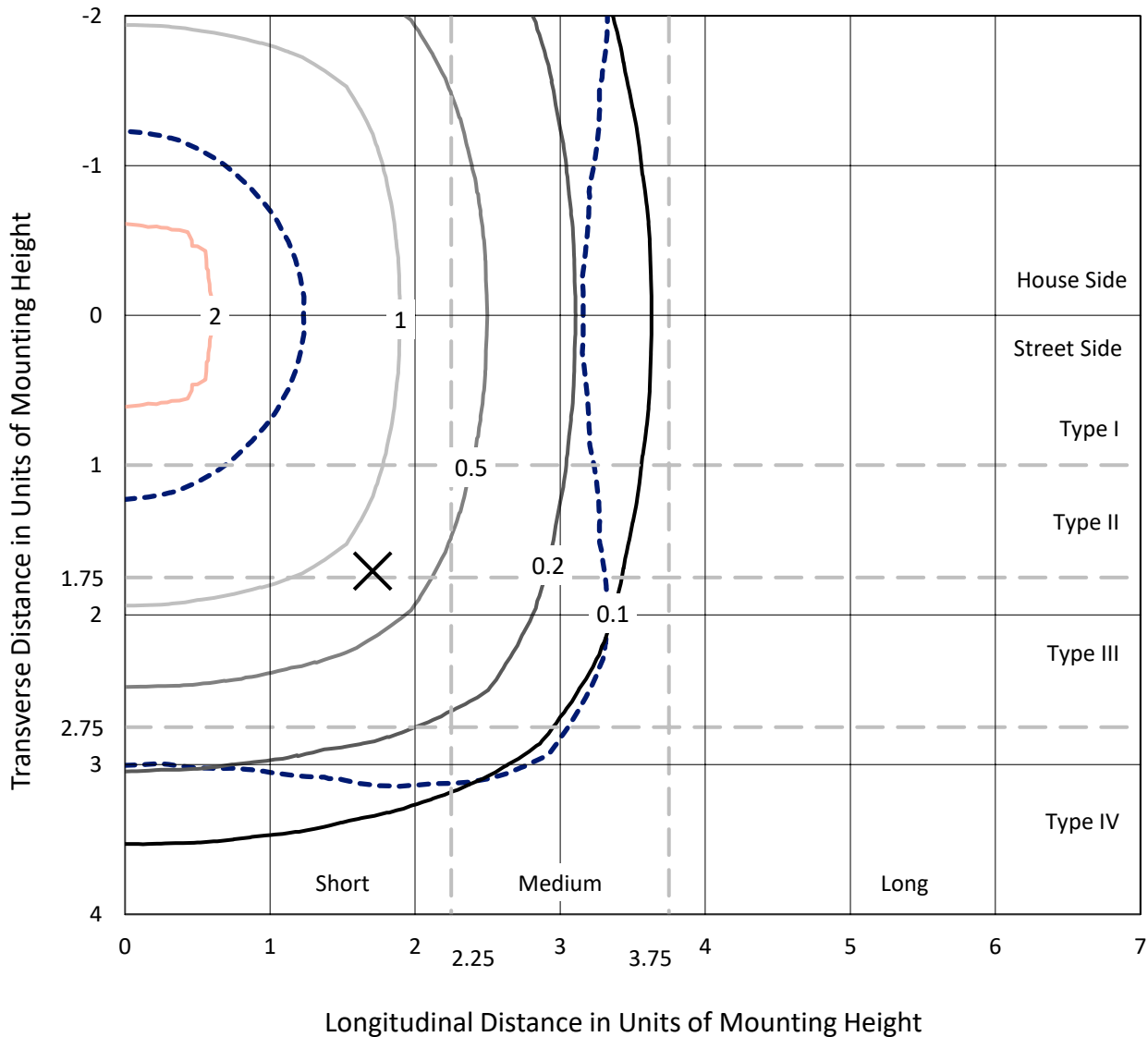
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

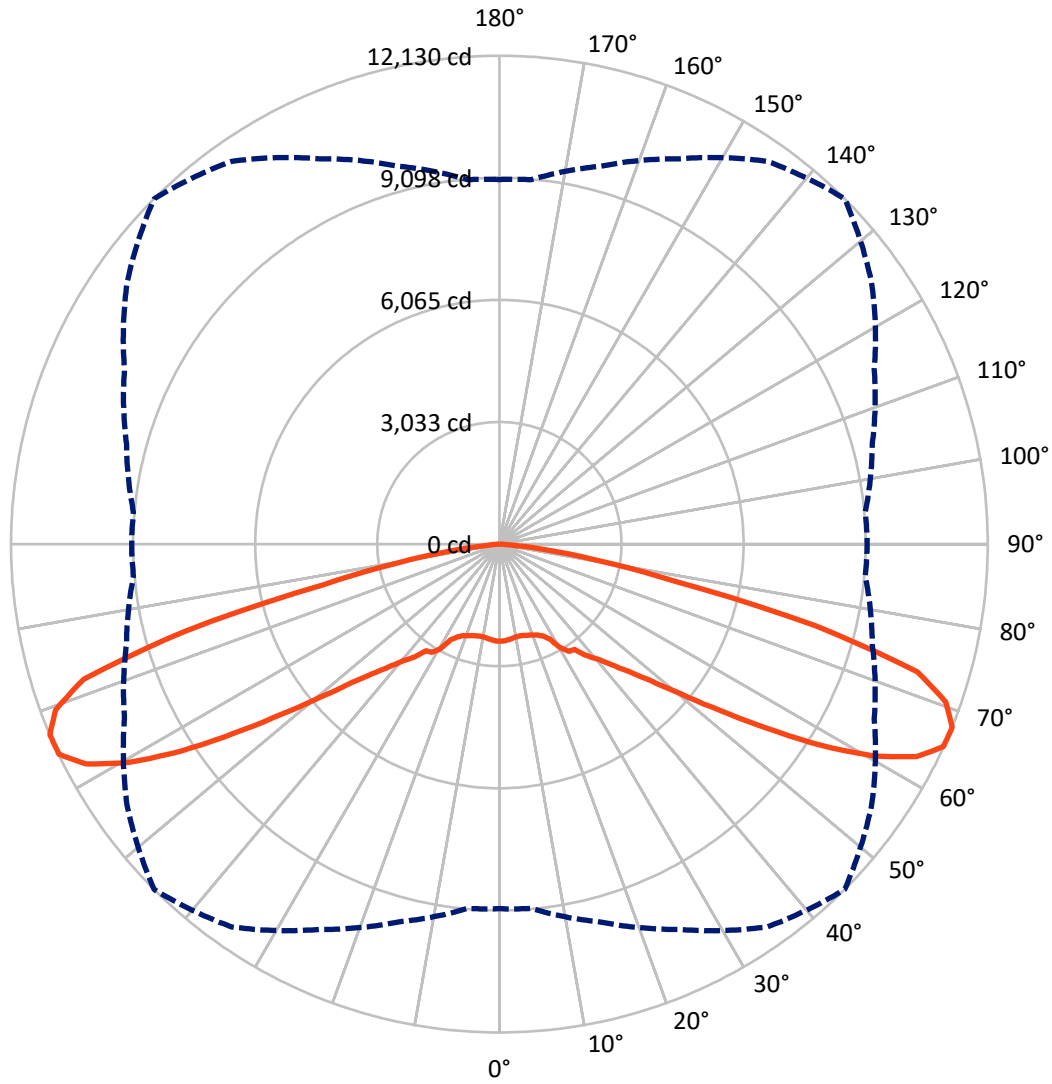
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15363.2	0.0	15363.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15363.2	0.0	15363.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	30726.4	0.0	30726.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.2	0.7
10°-20°	671.4	2.2
20°-30°	1204.4	3.9
30°-40°	2034.5	6.6
40°-50°	3574.7	11.6
50°-60°	6895.6	22.4
60°-70°	10004.7	32.6
70°-80°	5724.2	18.6
80°-90°	390.7	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°	30726.4	100.0
0°-180°	30726.4	100.0

Coefficient of Utilization



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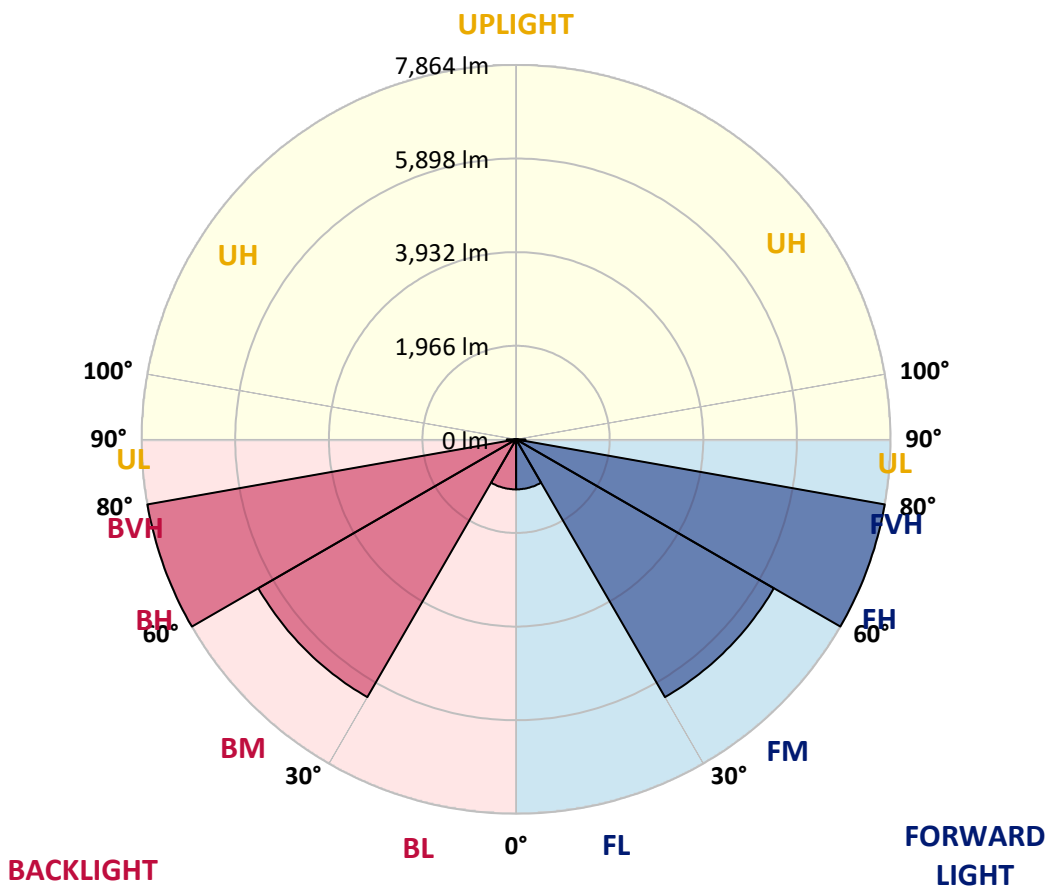
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1051.0	3.4			
FM (30°-60°)	6252.4	20.3			
FH (60°-80°)	7864.4	25.6			G4/12000
FVH (80°-90°)	195.3	0.6			G2/225
BL (0°-30°)	1051.0	3.4	B3/2500		
BM (30°-60°)	6252.4	20.3	B4/8500		
BH (60°-80°)	7864.4	25.6	B5		G4/12000
BVH (80°-90°)	195.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2409.6	2409.6	2409.6	2409.6	2409.6	2409.6	2409.6	2409.6	2409.6	2409.6	2409.6
2.5°	2390.0	2392.2	2396.5	2396.5	2400.9	2407.4	2409.6	2405.2	2407.4	2396.5	2407.4
5°	2383.5	2385.7	2387.8	2383.5	2383.5	2385.7	2385.7	2381.3	2383.5	2372.6	2383.5
7.5°	2368.3	2370.5	2370.5	2363.9	2357.4	2361.8	2361.8	2357.4	2359.6	2348.7	2361.8
10°	2355.3	2355.3	2353.1	2340.0	2333.5	2340.0	2342.2	2344.4	2353.1	2344.4	2359.6
12.5°	2363.9	2363.9	2357.4	2340.0	2329.2	2333.5	2337.9	2342.2	2357.4	2355.3	2372.6
15°	2387.8	2390.0	2372.6	2353.1	2346.6	2353.1	2348.7	2346.6	2366.1	2372.6	2392.2
17.5°	2407.4	2407.4	2385.7	2366.1	2368.3	2379.2	2370.5	2359.6	2379.2	2392.2	2413.9
20°	2424.8	2422.6	2398.7	2385.7	2394.4	2409.6	2403.1	2387.8	2400.9	2416.1	2435.6
22.5°	2468.2	2466.1	2440.0	2433.5	2442.2	2457.4	2450.9	2437.8	2453.0	2474.8	2498.7
25°	2592.1	2587.7	2548.6	2526.9	2522.6	2533.4	2531.3	2526.9	2550.8	2576.9	2605.1
27.5°	2757.2	2755.0	2726.8	2705.1	2676.8	2668.1	2674.7	2694.2	2729.0	2748.5	2772.4
30°	2839.8	2839.8	2835.4	2870.2	2931.0	2989.7	2944.1	2870.2	2839.8	2831.1	2855.0
32.5°	2948.4	2959.3	2944.1	2983.2	3085.3	3172.2	3085.3	2965.8	2944.1	2944.1	2970.1
35°	3198.3	3202.6	3178.7	3172.2	3204.8	3215.7	3174.4	3130.9	3154.8	3159.2	3191.8
37.5°	3398.2	3398.2	3387.3	3404.7	3472.1	3513.3	3446.0	3367.8	3374.3	3378.6	3419.9
40°	3706.7	3715.4	3689.3	3687.2	3713.2	3750.2	3678.5	3628.5	3663.3	3674.1	3737.1
42.5°	4091.3	4091.3	4052.2	4041.3	4058.7	4097.8	4030.4	3997.9	4043.5	4052.2	4089.1
45°	4549.7	4560.6	4508.5	4488.9	4497.6	4510.6	4462.8	4447.6	4491.1	4510.6	4575.8
47.5°	5108.1	5119.0	5073.4	5071.2	5062.5	5071.2	5025.6	5016.9	5051.6	5036.4	5106.0
50°	5796.9	5816.4	5777.3	5831.7	5825.1	5851.2	5788.2	5742.6	5742.6	5701.3	5740.4
52.5°	6568.2	6607.3	6626.9	6718.1	6787.7	6852.8	6748.6	6676.9	6572.6	6487.8	6594.3
55°	7409.1	7398.2	7522.1	7721.9	7926.2	8080.4	7876.2	7650.2	7480.8	7304.8	7346.1
57.5°	8145.6	8182.6	8345.5	8710.5	9114.7	9440.6	9073.4	8638.8	8254.3	8002.2	8037.0
60°	8758.3	8788.8	9006.0	9531.8	10238.0	10687.7	10105.4	9388.4	8830.0	8482.4	8519.3
62.5°	9323.3	9351.5	9571.0	10151.1	11041.9	11628.5	10876.8	9896.9	9275.5	8925.6	8947.4
65°	9649.2	9666.6	9966.4	10576.9	11515.6	12121.8	11274.4	10264.1	9653.5	9297.2	9310.2
67.5°	9056.0	9084.3	9716.5	10559.6	11606.8	12130.4	11291.8	10274.9	9588.3	9123.4	9134.2
70°	7144.0	7120.1	7874.0	9323.3	11083.2	11765.4	10789.9	9503.6	8443.3	7793.6	7782.8
72.5°	5447.1	5453.6	5872.9	6865.9	9036.5	10857.2	9521.0	7652.4	6509.6	6016.3	5996.8
75°	3950.1	4010.9	4352.0	5079.9	6320.5	8115.2	7167.9	5670.9	4906.1	4610.6	4567.1
77.5°	1779.5	1857.7	2333.5	3189.6	4226.0	4484.6	4501.9	3850.1	2905.0	2413.9	2337.9
80°	519.3	556.2	714.8	1223.3	1968.5	2544.3	2020.7	1699.1	1058.1	830.0	790.9
82.5°	219.4	249.9	306.4	338.9	571.4	1179.8	734.4	467.1	434.5	352.0	321.6
85°	93.4	99.9	128.2	136.9	184.7	252.0	232.5	210.8	202.1	156.4	143.4
87.5°	39.1	39.1	39.1	34.8	32.6	34.8	47.8	60.8	80.4	63.0	58.7
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)