

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: P640274

Luminaire Tested: GWS-SA5D-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640274
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-SA5D-750-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16171.5 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

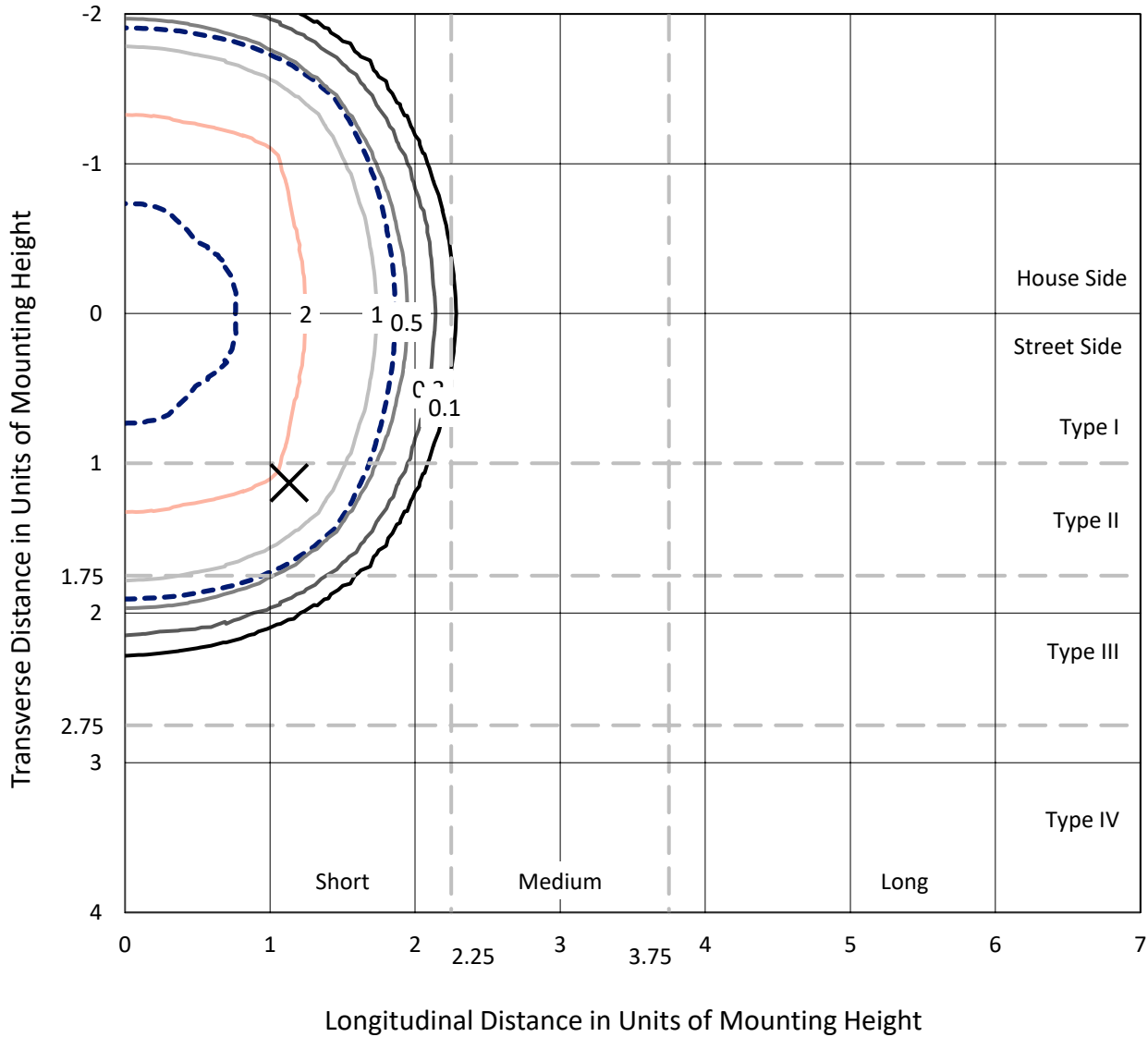
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

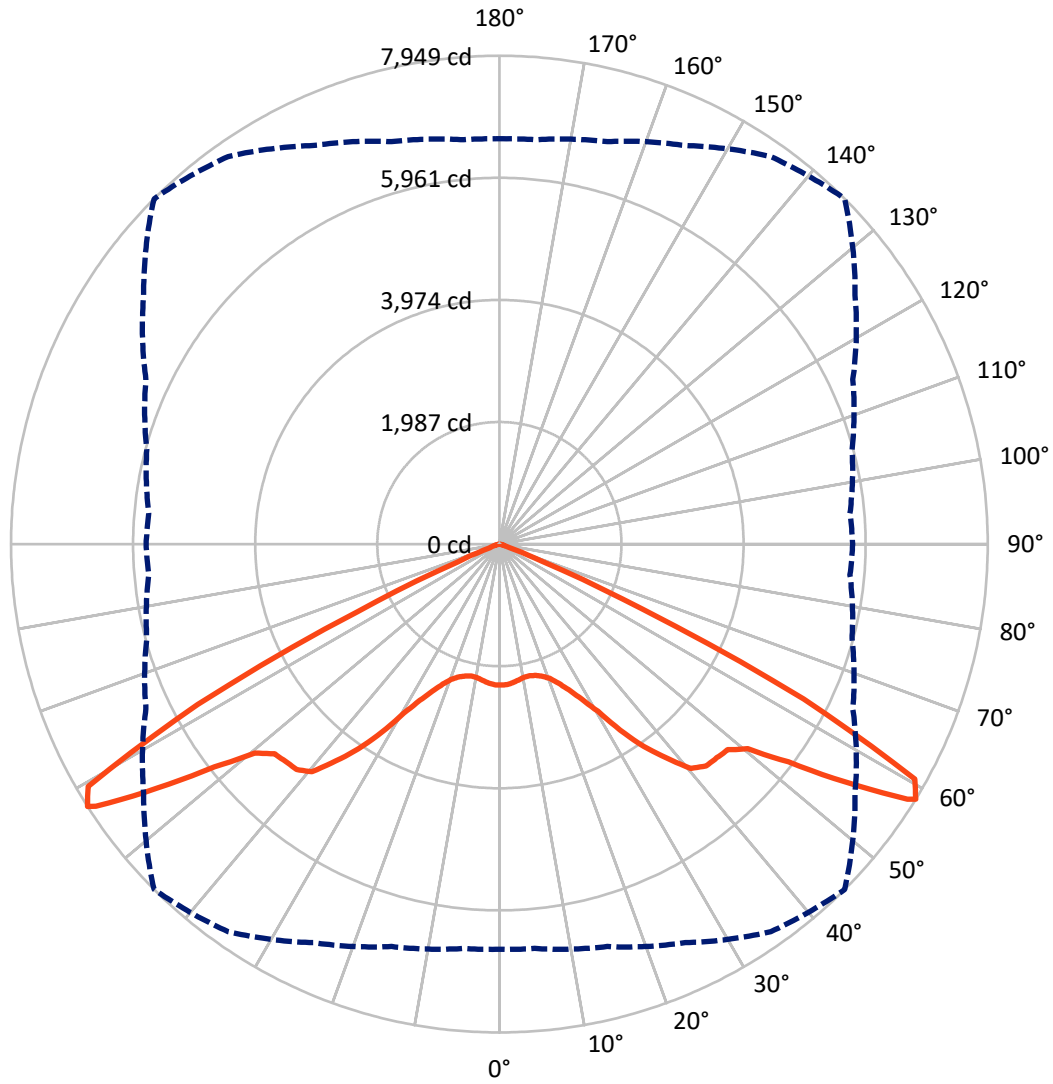
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	8085.8	0.0	8085.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8085.8	0.0	8085.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	16171.5	0.0	16171.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.0	1.3
10°-20°	633.1	3.9
20°-30°	1197.4	7.4
30°-40°	2361.6	14.6
40°-50°	3737.2	23.1
50°-60°	5493.4	34.0
60°-70°	2452.0	15.2
70°-80°	82.1	0.5
80°-90°	0.7	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°	16171.5	100.0
0°-180°	16171.5	100.0

Coefficient of Utilization



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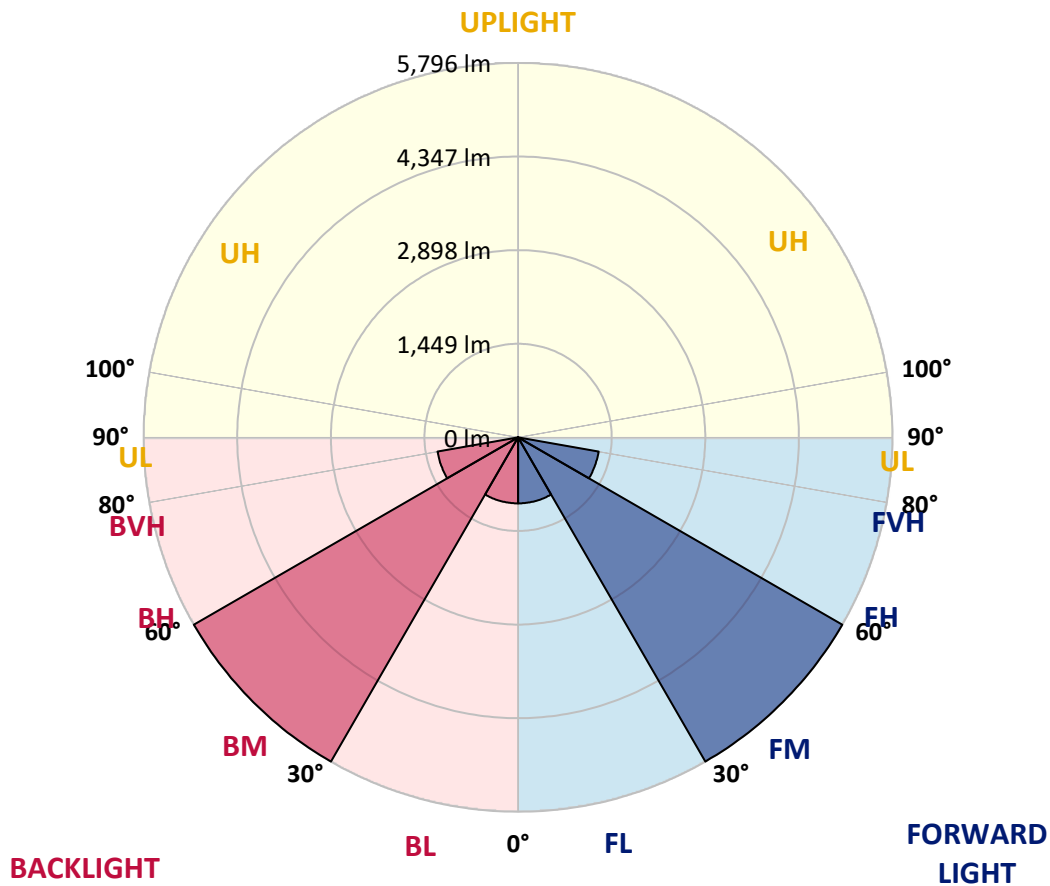
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1022.3	6.3			
FM (30°-60°)	5796.1	35.8			
FH (60°-80°)	1267.1	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	1022.3	6.3	B3/2500		
BM (30°-60°)	5796.1	35.8	B4/8500		
BH (60°-80°)	1267.1	7.8	B3/2500		G1/1800
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3
2.5°	2271.3	2275.7	2280.1	2282.3	2284.5	2291.1	2293.3	2286.7	2286.7	2273.5	2288.9
5°	2260.3	2264.7	2269.1	2266.9	2266.9	2266.9	2264.7	2255.9	2253.7	2240.5	2255.9
7.5°	2240.5	2244.9	2244.9	2238.3	2233.9	2233.9	2231.6	2220.6	2218.4	2205.2	2220.6
10°	2225.0	2227.2	2225.0	2211.8	2203.0	2203.0	2200.8	2196.4	2198.6	2189.8	2203.0
12.5°	2233.9	2236.1	2227.2	2209.6	2198.6	2196.4	2189.8	2183.2	2189.8	2187.6	2200.8
15°	2262.5	2264.7	2249.3	2227.2	2218.4	2218.4	2200.8	2183.2	2192.0	2194.2	2209.6
17.5°	2297.7	2297.7	2277.9	2258.1	2260.3	2260.3	2231.6	2200.8	2203.0	2211.8	2227.2
20°	2339.6	2339.6	2319.8	2315.4	2330.8	2333.0	2297.7	2249.3	2238.3	2244.9	2262.5
22.5°	2414.5	2414.5	2399.1	2410.1	2445.3	2456.4	2403.5	2335.2	2308.8	2313.2	2330.8
25°	2531.3	2531.3	2526.9	2553.3	2604.0	2628.2	2557.7	2467.4	2423.3	2416.7	2436.5
27.5°	2727.3	2729.5	2722.9	2762.6	2826.5	2855.1	2758.2	2639.2	2586.3	2575.3	2595.1
30°	2980.7	2980.7	2982.9	3038.0	3121.7	3159.1	3031.3	2892.6	2830.9	2795.6	2822.1
32.5°	3262.7	3267.1	3289.1	3381.6	3529.2	3606.3	3419.1	3225.2	3126.1	3088.6	3117.3
35°	3727.5	3685.6	3659.2	3727.5	3941.2	4042.5	3802.4	3575.5	3500.6	3496.2	3568.9
37.5°	4187.9	4163.7	4108.6	4179.1	4370.8	4417.0	4152.7	3963.2	3910.3	3939.0	4011.7
40°	4553.6	4509.6	4436.9	4503.0	4754.1	4800.4	4474.3	4287.1	4267.2	4331.1	4430.3
42.5°	4842.2	4780.5	4683.6	4699.0	4901.7	4934.7	4646.1	4505.2	4518.4	4597.7	4710.0
45°	4972.2	4923.7	4837.8	4831.2	4959.0	4961.2	4734.3	4661.6	4696.8	4758.5	4846.6
47.5°	5027.3	5005.2	4956.8	4945.8	5018.5	5000.8	4859.8	4829.0	4862.0	4879.7	4930.3
50°	5163.9	5163.9	5170.5	5179.3	5254.2	5236.6	5137.4	5102.2	5060.3	4998.6	5014.1
52.5°	5547.2	5562.6	5626.5	5697.0	5833.6	5890.9	5730.0	5525.2	5324.7	5190.3	5190.3
55°	6238.9	6254.3	6329.2	6448.2	6699.4	6835.9	6461.4	6009.8	5734.4	5551.6	5575.8
57.5°	6620.0	6637.7	6791.9	7113.5	7600.4	7831.7	7027.6	6357.9	5972.4	5763.1	5780.7
58°	6595.8	6606.8	6780.9	7157.6	7699.5	7948.5	7067.3	6346.9	5941.5	5727.8	5749.9
60°	5860.0	5844.6	6122.2	6659.7	7424.1	7767.8	6672.9	5793.9	5322.5	5104.4	5115.4
62.5°	3831.0	3839.8	4080.0	4641.7	5236.6	5560.4	4661.6	4007.3	3628.4	3496.2	3463.1
65°	1599.4	1570.7	1718.3	2031.2	2388.1	2568.7	2207.4	1868.2	1634.6	1546.5	1570.7
67.5°	412.0	400.9	409.8	513.3	627.9	742.4	623.5	475.9	414.2	418.6	418.6
70°	233.5	220.3	178.4	165.2	160.8	160.8	160.8	160.8	185.1	218.1	224.7
72.5°	176.2	165.2	130.0	112.4	99.1	92.5	96.9	112.4	134.4	163.0	167.4
75°	88.1	88.1	79.3	74.9	66.1	61.7	63.9	70.5	81.5	92.5	90.3
77.5°	17.6	19.8	22.0	26.4	22.0	22.0	22.0	26.4	26.4	28.6	26.4
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	0.0	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
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)