

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: P640490

Luminaire Tested: GWS-SA5E-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28636.5 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

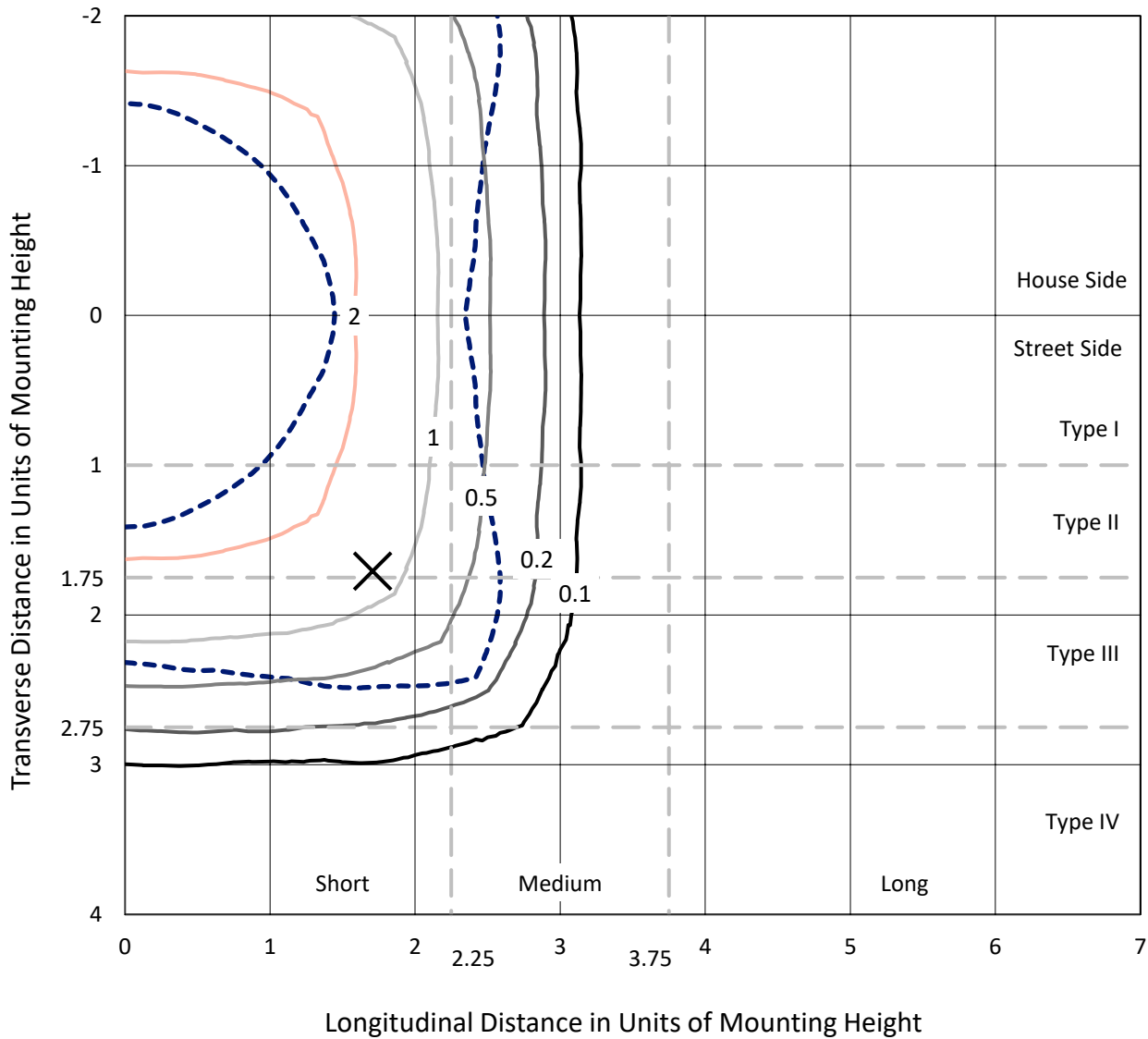
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

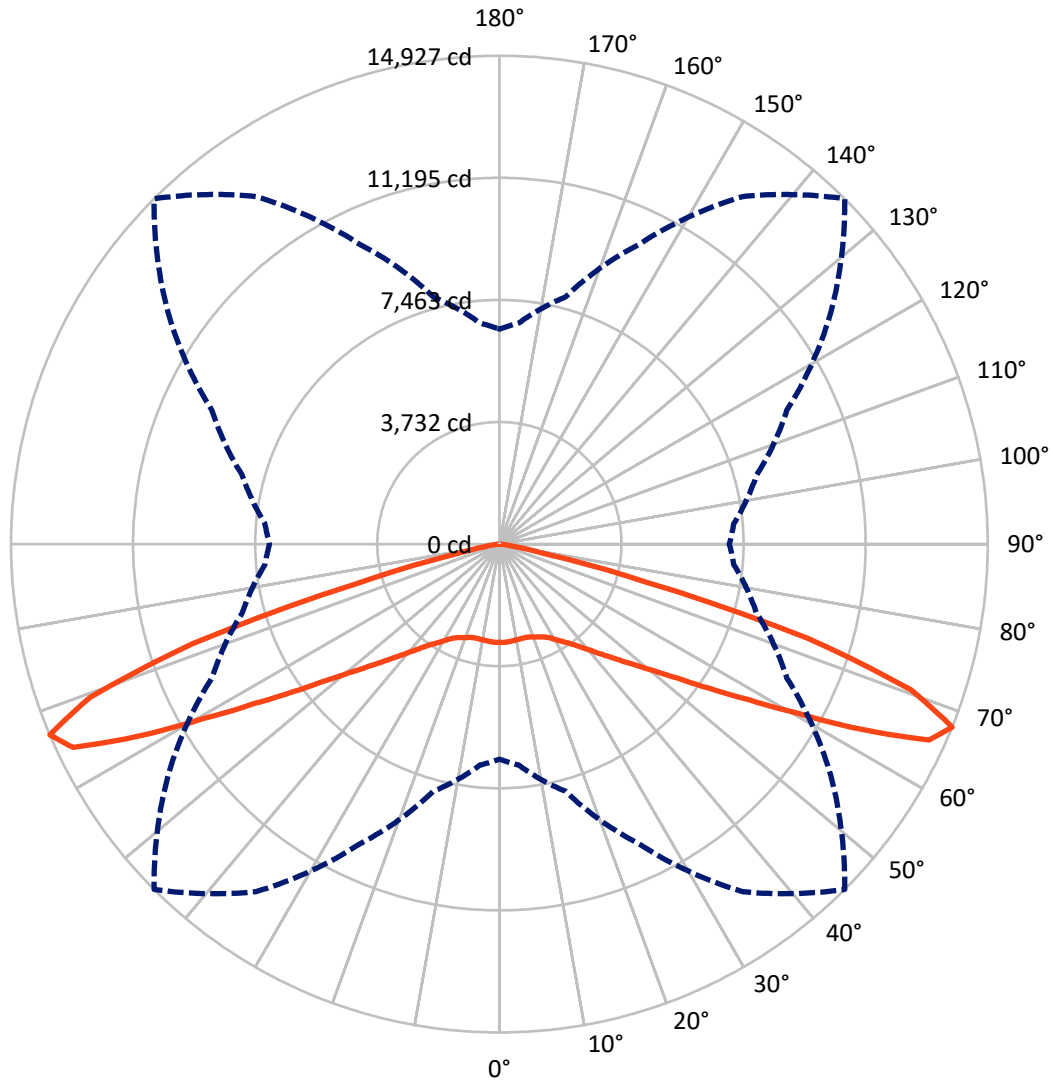
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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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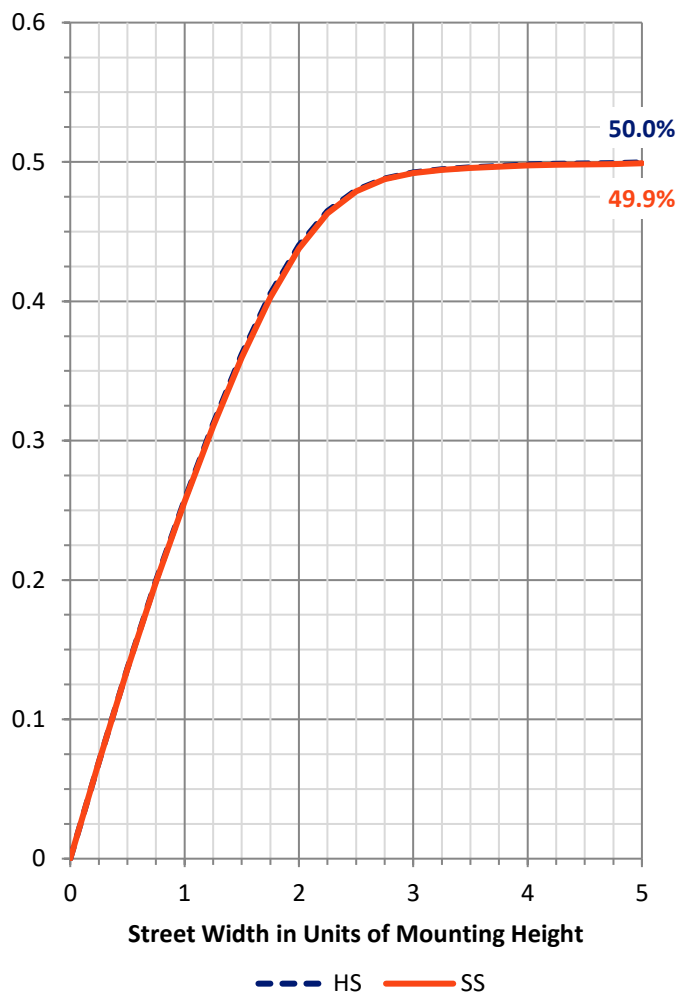
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14318.2	0.0	14318.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14318.2	0.0	14318.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	28636.5	0.0	28636.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.9	1.0
10°-20°	833.7	2.9
20°-30°	1437.9	5.0
30°-40°	2338.1	8.2
40°-50°	3937.0	13.7
50°-60°	6975.6	24.4
60°-70°	9971.1	34.8
70°-80°	2736.6	9.6
80°-90°	122.6	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°	28636.5	100.0
0°-180°	28636.5	100.0

Coefficient of Utilization



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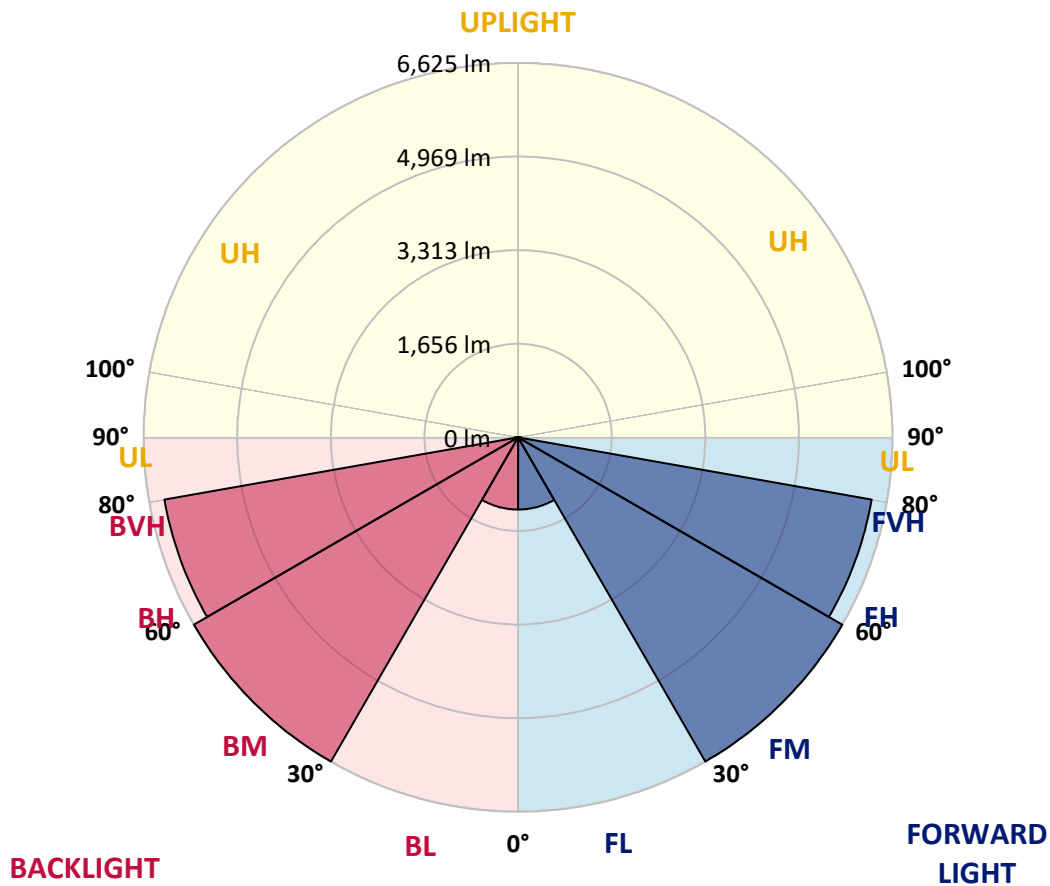
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1277.8	4.5			
FM (30°-60°)	6625.3	23.1			
FH (60°-80°)	6353.9	22.2			G3/7500
FVH (80°-90°)	61.3	0.2			G1/100
BL (0°-30°)	1277.8	4.5	B3/2500		
BM (30°-60°)	6625.3	23.1	B4/8500		
BH (60°-80°)	6353.9	22.2	B5		G3/7500
BVH (80°-90°)	61.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2999.2	2999.2	2999.2	2999.2	2999.2	2999.2	2999.2	2999.2	2999.2	2999.2	2999.2
2.5°	2979.3	2977.4	2987.3	2993.2	2991.2	3005.1	3003.1	2999.2	2999.2	2993.2	3009.1
5°	2979.3	2977.4	2985.3	2987.3	2983.3	2995.2	2991.2	2987.3	2987.3	2979.3	2993.2
7.5°	2963.5	2965.5	2971.4	2975.4	2971.4	2981.3	2975.4	2967.5	2965.5	2957.5	2971.4
10°	2933.8	2935.7	2941.7	2951.6	2953.6	2971.4	2961.5	2947.6	2941.7	2933.8	2947.6
12.5°	2915.9	2917.9	2923.8	2935.7	2939.7	2963.5	2953.6	2931.8	2921.9	2913.9	2927.8
15°	2911.9	2913.9	2921.9	2933.8	2939.7	2963.5	2953.6	2927.8	2913.9	2904.0	2915.9
17.5°	2911.9	2915.9	2927.8	2945.6	2957.5	2981.3	2969.4	2939.7	2919.9	2902.0	2913.9
20°	2913.9	2919.9	2937.7	2963.5	2993.2	3026.9	3011.1	2971.4	2943.7	2921.9	2929.8
22.5°	2931.8	2941.7	2963.5	2997.2	3040.8	3080.4	3066.6	3013.0	2973.4	2943.7	2951.6
25°	2993.2	2997.2	3024.9	3068.5	3110.2	3143.9	3130.0	3080.4	3030.9	2995.2	3005.1
27.5°	3102.2	3112.2	3135.9	3181.5	3217.2	3235.1	3233.1	3199.4	3149.8	3118.1	3126.0
30°	3233.1	3243.0	3274.7	3326.2	3361.9	3381.7	3375.8	3350.0	3304.4	3260.8	3268.8
32.5°	3385.7	3389.7	3427.3	3484.8	3522.5	3552.2	3532.4	3504.6	3447.2	3395.6	3399.6
35°	3580.0	3585.9	3625.6	3679.1	3708.8	3732.6	3728.6	3700.9	3639.4	3583.9	3597.8
37.5°	3823.8	3827.8	3863.4	3930.8	3954.6	3972.5	3976.4	3962.6	3899.1	3827.8	3841.6
40°	4127.1	4129.1	4168.7	4228.2	4253.9	4265.8	4267.8	4269.8	4204.4	4150.9	4146.9
42.5°	4479.9	4489.8	4545.3	4602.8	4614.7	4608.8	4628.6	4648.4	4585.0	4511.6	4517.6
45°	4902.1	4908.1	4983.4	5046.8	5025.0	5005.2	5042.9	5082.5	5025.0	4929.9	4902.1
47.5°	5401.7	5413.6	5494.8	5558.3	5522.6	5486.9	5548.4	5590.0	5496.8	5395.7	5370.0
50°	5966.6	5974.6	6089.5	6168.8	6127.2	6061.8	6139.1	6182.7	6057.8	5932.9	5877.4
52.5°	6634.6	6618.8	6771.4	6910.2	6884.4	6799.2	6862.6	6870.5	6684.2	6507.8	6452.3
55°	7449.4	7433.5	7586.1	7738.8	7802.2	7780.4	7750.7	7703.1	7427.6	7239.2	7187.7
57.5°	8398.9	8349.3	8563.4	8769.5	8908.3	8947.9	8821.1	8710.1	8492.0	8260.1	8200.6
60°	9281.0	9279.0	9618.0	9974.8	10355.4	10513.9	10192.8	9891.5	9401.9	8979.7	8894.4
62.5°	9528.8	9570.4	10125.4	11009.5	11949.1	12510.1	11663.7	10666.6	9721.0	9084.7	8971.7
65°	8918.2	9021.3	9810.2	11205.8	13061.2	14432.9	12522.0	10684.4	9366.2	8573.3	8454.4
67.5°	6573.2	6779.4	7824.0	10111.5	12966.0	14926.5	12369.3	9695.3	8135.2	7191.7	7027.1
70°	3243.0	3439.2	4267.8	6652.5	10668.6	13342.6	10702.3	7306.6	5494.8	4587.0	4436.3
72.5°	1193.3	1272.6	1597.7	2846.5	5887.3	9855.8	7318.5	4081.5	2662.2	2119.0	2017.9
75°	584.8	598.6	648.2	955.5	2172.6	4638.5	3439.2	1566.0	979.2	852.4	824.6
77.5°	372.7	378.6	402.4	455.9	697.8	1460.9	1042.7	618.5	479.7	459.9	459.9
80°	208.1	214.1	245.8	283.5	327.1	501.5	374.6	370.7	315.2	275.5	269.6
82.5°	99.1	109.0	156.6	154.6	172.5	251.7	220.0	200.2	202.2	152.6	144.7
85°	45.6	45.6	61.5	73.3	77.3	85.2	101.1	115.0	113.0	77.3	83.3
87.5°	21.8	21.8	21.8	19.8	17.8	15.9	21.8	35.7	51.5	35.7	33.7
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)