

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: P640106

Luminaire Tested: GWS-SA5D-730-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-730-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19249.7 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

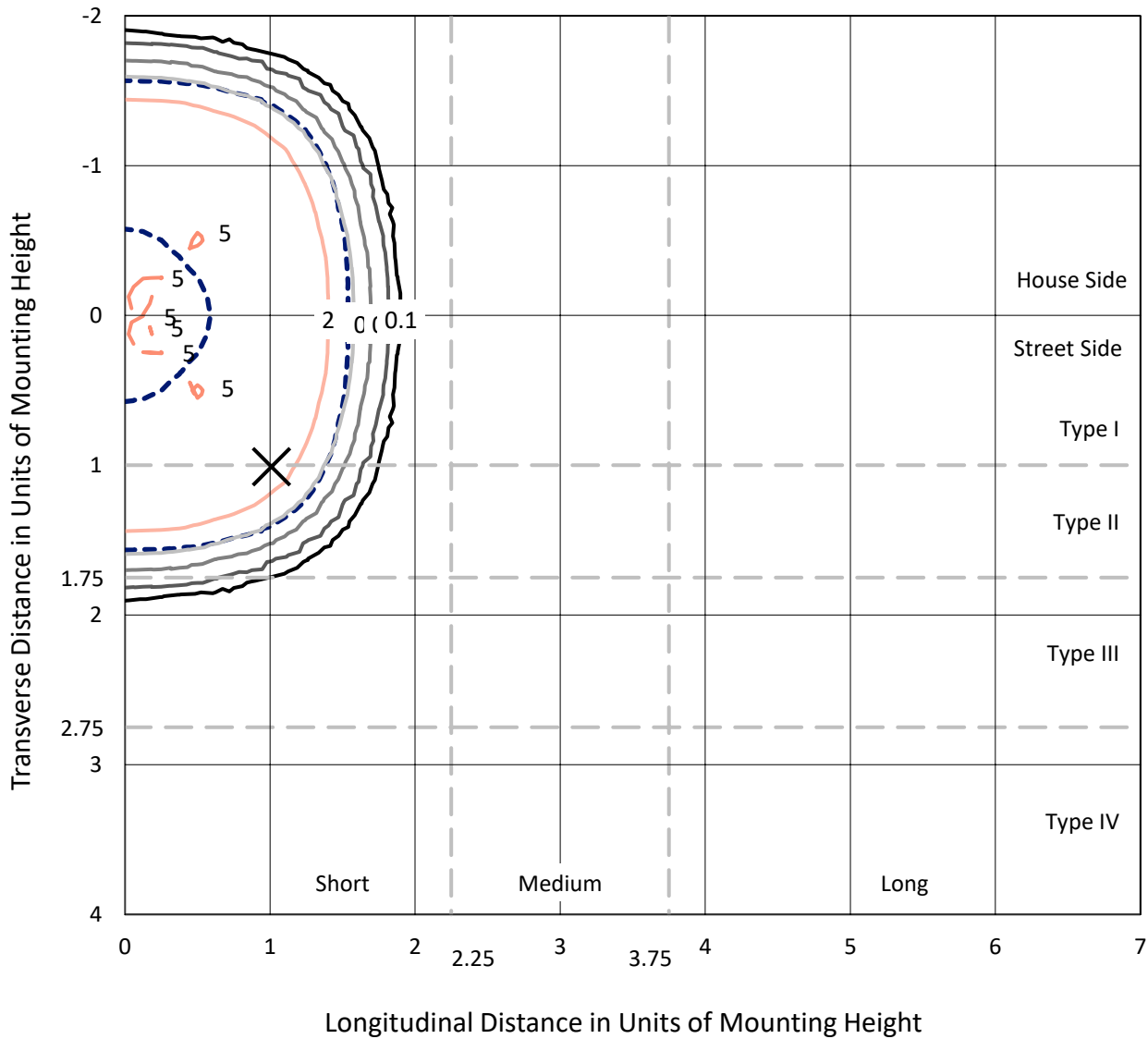
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

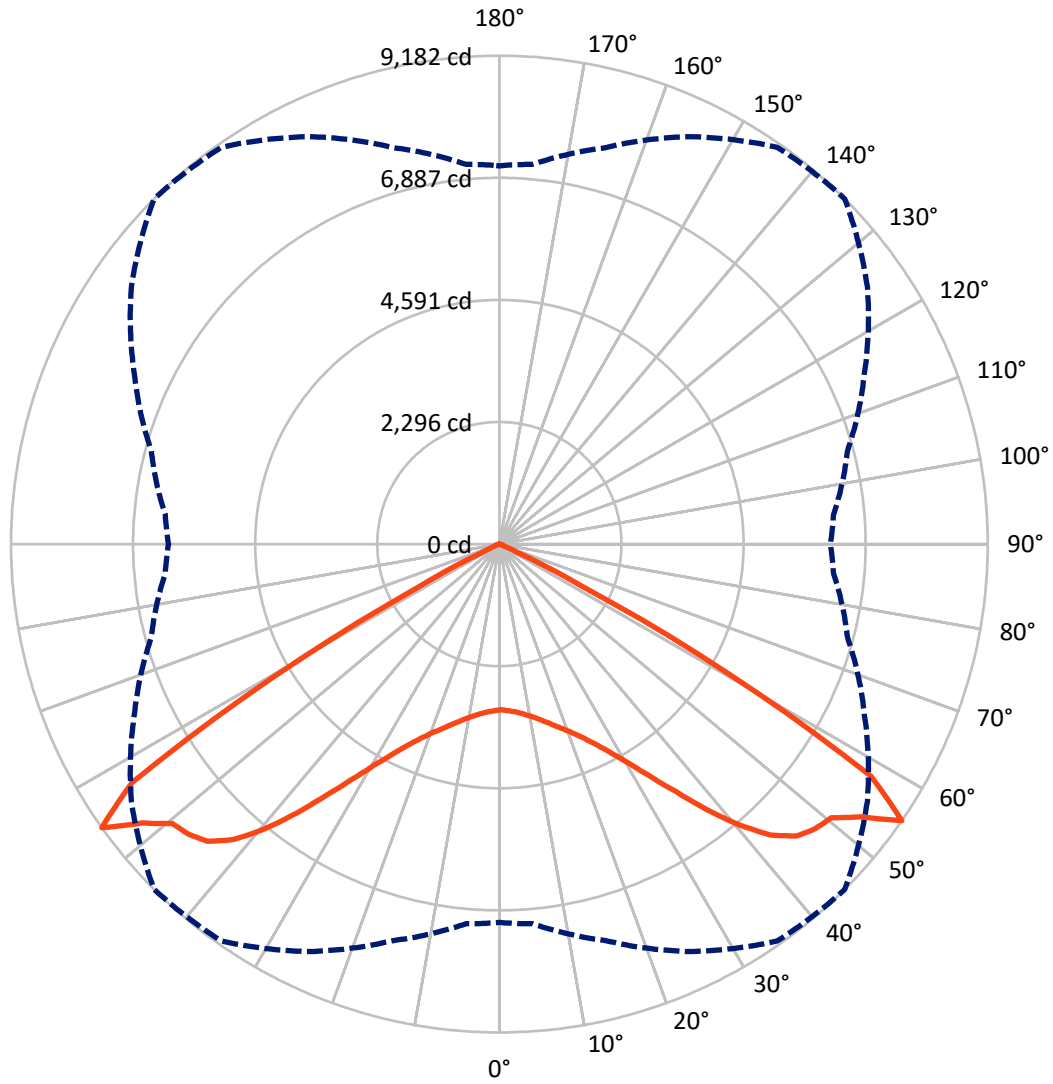
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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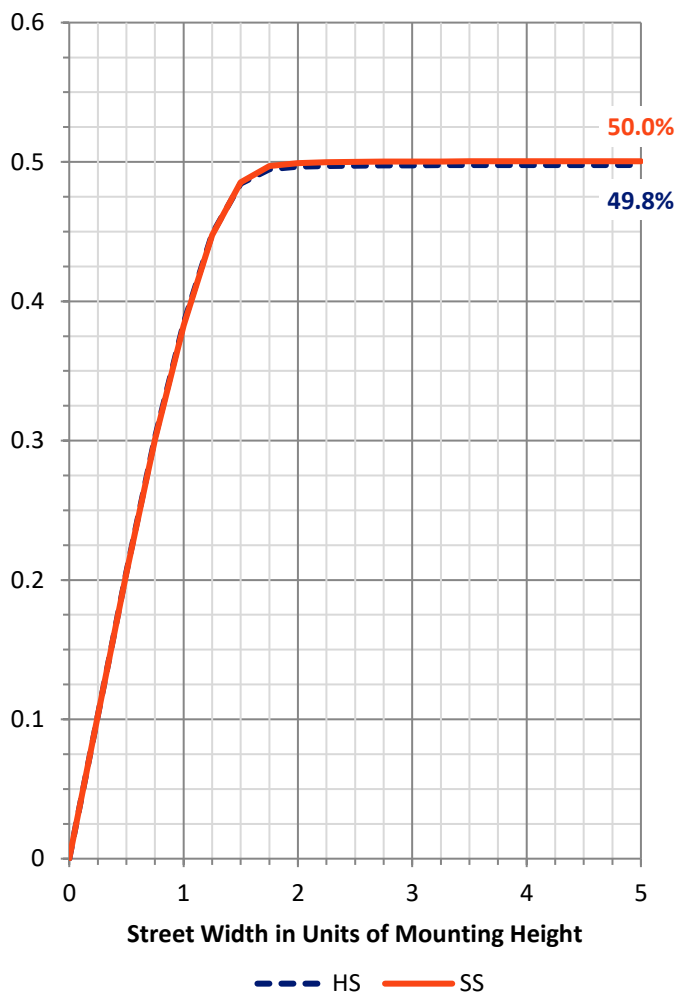
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9624.9	0.0	9624.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9624.9	0.0	9624.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	19249.7	0.0	19249.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.9	1.6
10°-20°	988.5	5.1
20°-30°	1914.3	9.9
30°-40°	3429.6	17.8
40°-50°	5749.9	29.9
50°-60°	6155.0	32.0
60°-70°	676.4	3.5
70°-80°	29.8	0.2
80°-90°	1.4	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°	19249.7	100.0
0°-180°	19249.7	100.0

Coefficient of Utilization



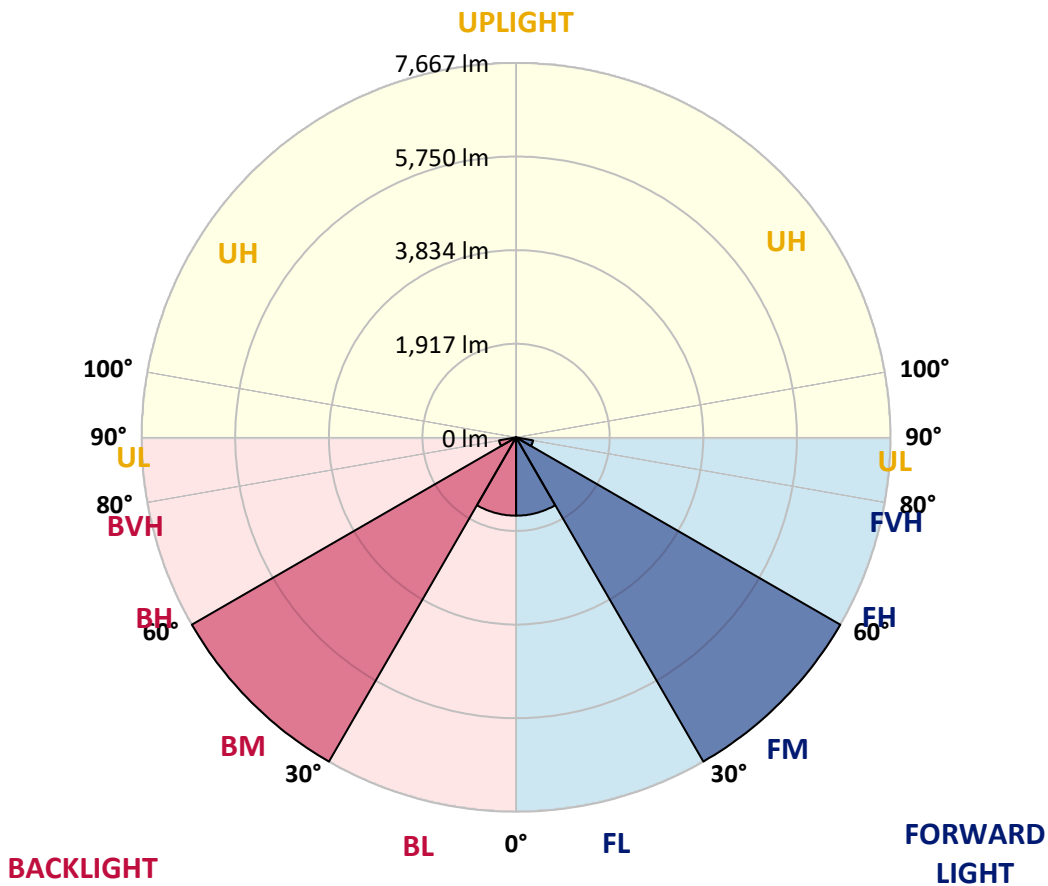
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1603.9	8.3			
FM (30°-60°)	7667.2	39.8			
FH (60°-80°)	353.1	1.8			G0/660
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1603.9	8.3	B3/2500		
BM (30°-60°)	7667.2	39.8	B4/8500		
BH (60°-80°)	353.1	1.8	B1/500		G0/660
BVH (80°-90°)	0.7	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-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3112.3	3112.3	3112.3	3112.3	3112.3	3112.3	3112.3	3112.3	3112.3	3112.3	3112.3
2.5°	3106.4	3106.4	3114.3	3120.1	3120.1	3135.8	3130.0	3124.1	3124.1	3116.2	3131.9
5°	3151.5	3149.6	3157.4	3161.3	3153.5	3169.2	3159.4	3153.5	3149.6	3141.7	3157.4
7.5°	3200.6	3202.5	3204.5	3212.3	3208.4	3224.1	3216.2	3204.5	3200.6	3188.8	3204.5
10°	3259.4	3259.4	3263.3	3273.1	3275.1	3294.7	3286.8	3273.1	3261.4	3249.6	3265.3
12.5°	3333.9	3335.9	3341.8	3355.5	3363.3	3384.9	3373.1	3345.7	3328.0	3314.3	3332.0
15°	3441.8	3439.8	3447.7	3467.3	3477.1	3492.8	3475.1	3437.9	3416.3	3400.6	3412.4
17.5°	3559.4	3559.4	3563.4	3583.0	3596.7	3620.2	3598.7	3553.6	3533.9	3512.4	3524.1
20°	3688.9	3694.8	3698.7	3712.4	3735.9	3759.5	3741.8	3696.7	3675.1	3647.7	3661.4
22.5°	3859.5	3853.6	3855.6	3879.1	3912.4	3936.0	3922.3	3869.3	3832.0	3810.5	3818.3
25°	4049.7	4047.8	4053.6	4088.9	4126.2	4151.7	4132.1	4063.5	4026.2	3988.9	4004.6
27.5°	4283.1	4285.1	4289.0	4332.1	4391.0	4428.2	4379.2	4310.6	4259.6	4210.5	4222.3
30°	4559.6	4555.7	4567.5	4626.3	4712.6	4771.4	4714.5	4618.4	4545.9	4498.8	4504.7
32.5°	4853.8	4857.7	4889.1	4983.2	5097.0	5200.9	5085.2	4957.7	4863.6	4775.3	4787.1
35°	5171.5	5181.3	5251.9	5391.1	5577.4	5716.7	5555.9	5346.0	5212.7	5098.9	5102.8
37.5°	5546.1	5569.6	5667.7	5875.5	6142.2	6328.6	6093.2	5814.7	5642.2	5501.0	5491.2
40°	6038.3	6065.8	6199.1	6446.2	6769.8	6940.4	6667.8	6381.5	6167.7	6014.8	5991.2
42.5°	6603.1	6638.4	6783.5	7036.5	7360.1	7475.8	7209.1	6967.9	6775.7	6595.3	6587.4
45°	7240.5	7260.1	7377.8	7571.9	7805.3	7832.7	7632.7	7499.3	7305.2	7136.5	7122.8
47.5°	7838.6	7858.2	7938.6	8038.7	8093.6	7995.5	7960.2	7901.4	7650.3	7442.5	7399.3
50°	8293.6	8309.3	8409.3	8448.5	8295.6	8087.7	8156.3	8030.8	7758.2	7524.8	7458.2
52.5°	8262.2	8301.4	8558.3	8781.9	8685.8	8517.2	8332.8	8062.2	7638.6	7318.9	7236.6
55°	7113.0	7166.0	7717.0	8452.4	9109.4	9182.0	8444.6	7571.9	6775.7	6307.0	6222.6
57.5°	4571.4	4585.1	5257.8	6289.3	7770.0	8236.7	7003.2	5708.8	4718.5	4202.7	4167.4
60°	1680.7	1653.2	2161.2	3016.2	4475.3	4969.5	4122.3	2886.8	2059.2	1694.4	1665.0
62.5°	404.0	407.9	506.0	759.0	1404.2	1737.6	1372.8	766.8	488.3	409.9	406.0
65°	204.0	200.0	202.0	217.7	300.1	358.9	294.2	207.9	200.0	202.0	200.0
67.5°	131.4	129.4	133.4	135.3	133.4	125.5	123.6	127.5	127.5	129.4	125.5
70°	80.4	78.4	82.4	88.3	84.3	74.5	78.4	82.4	78.4	76.5	76.5
72.5°	43.1	43.1	47.1	51.0	47.1	43.1	43.1	45.1	43.1	43.1	43.1
75°	19.6	19.6	21.6	23.5	19.6	19.6	19.6	19.6	19.6	19.6	19.6
77.5°	5.9	5.9	7.8	7.8	5.9	5.9	5.9	5.9	7.8	7.8	7.8
80°	2.0	3.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	3.9	3.9
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
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)