

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: P640434

Luminaire Tested: GWS-SA5D-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-830-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20895.1 lumens
Efficiency: N/A
Efficacy: 102.1 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

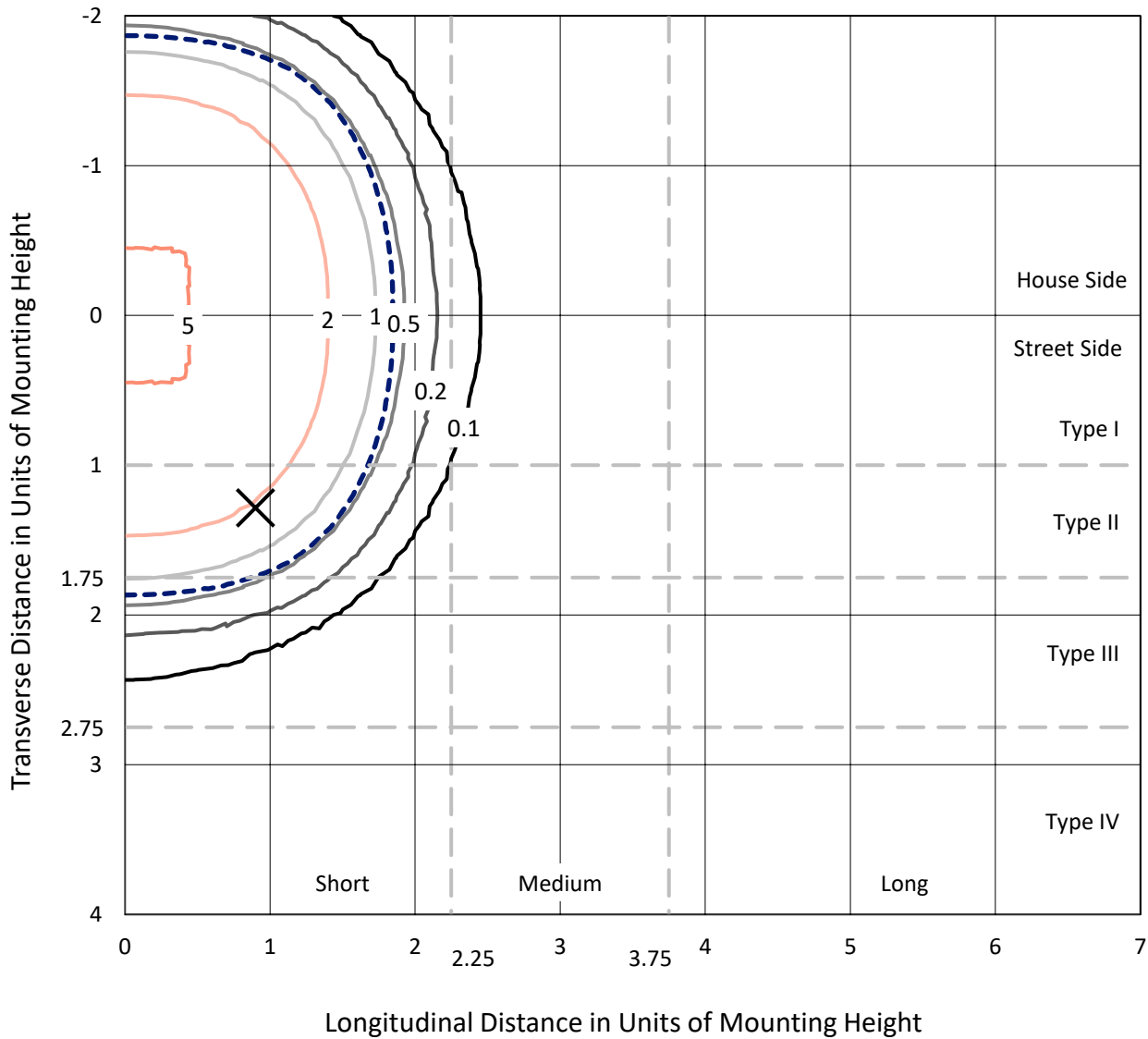


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Iso-Footcandle Lines of Horizontal Illumination

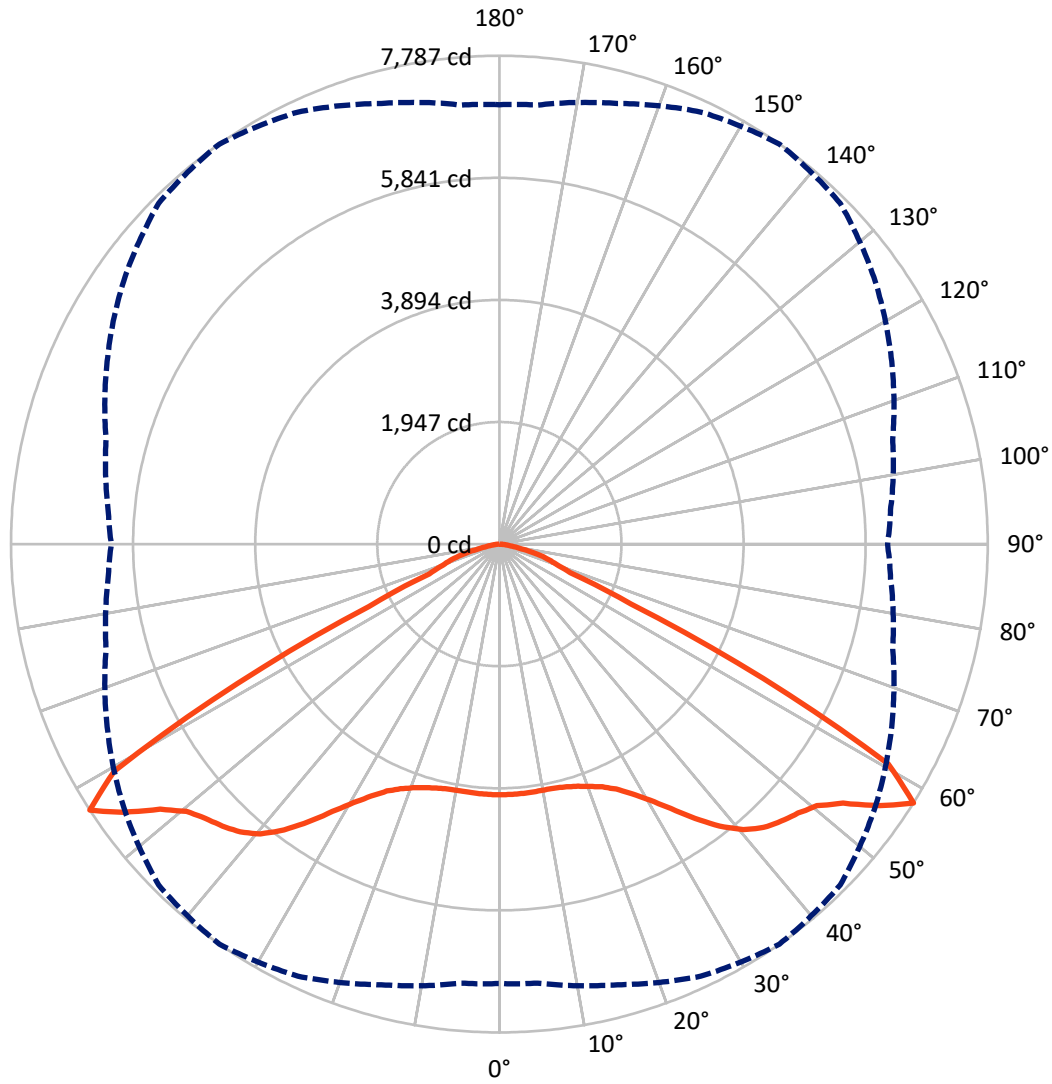
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10447.6	0.0	10447.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10447.6	0.0	10447.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	20895.1	0.0	20895.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.3	1.8
10°-20°	1134.8	5.4
20°-30°	1979.9	9.5
30°-40°	3246.7	15.5
40°-50°	4781.6	22.9
50°-60°	6102.1	29.2
60°-70°	2571.7	12.3
70°-80°	614.3	2.9
80°-90°	83.6	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°	20895.1	100.0
0°-180°	20895.1	100.0

Coefficient of Utilization



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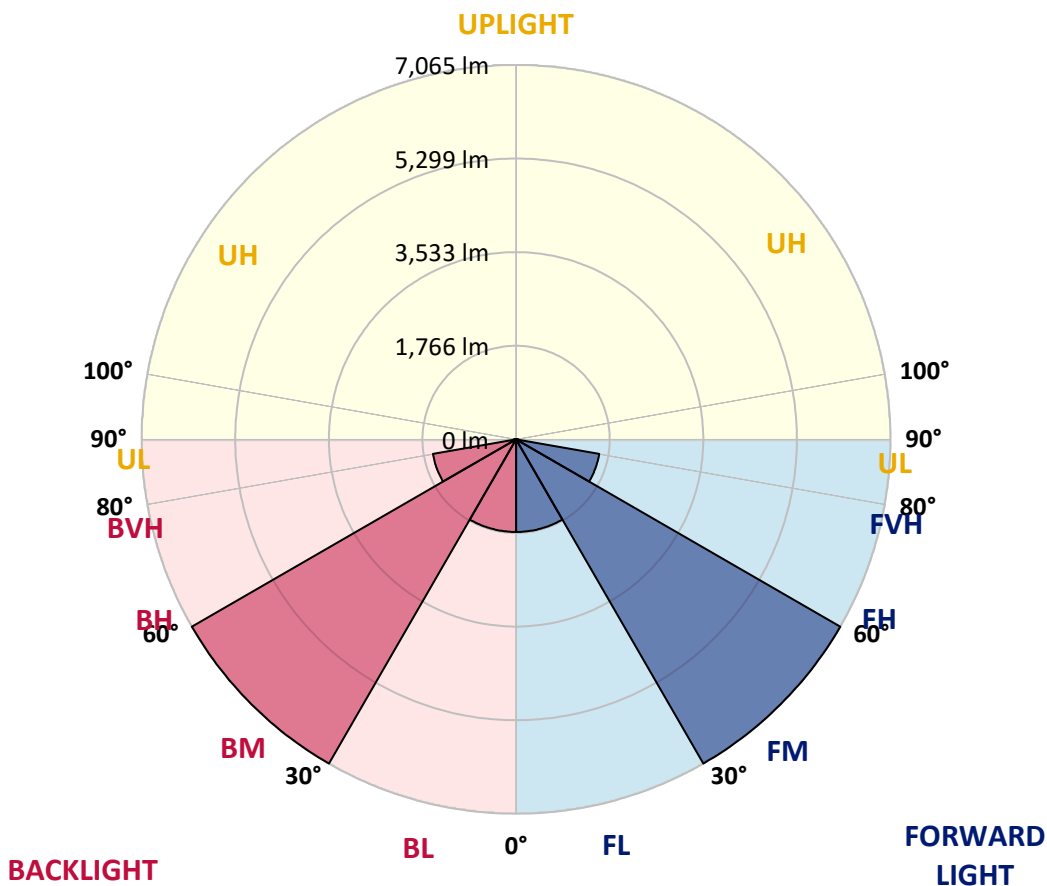
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1747.5	8.4			
FM (30°-60°)	7065.2	33.8			
FH (60°-80°)	1593.0	7.6			G1/1800
FVH (80°-90°)	41.8	0.2			G1/100
BL (0°-30°)	1747.5	8.4	B3/2500		
BM (30°-60°)	7065.2	33.8	B4/8500		
BH (60°-80°)	1593.0	7.6	B3/2500		G1/1800
BVH (80°-90°)	41.8	0.2			G1/100
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°	3998.0	3998.0	3998.0	3998.0	3998.0	3998.0	3998.0	3998.0	3998.0	3998.0	3998.0
2.5°	3974.1	3974.1	3982.6	3991.2	3994.6	4010.0	4008.3	4003.2	3999.7	3989.5	4003.2
5°	3982.6	3982.6	3989.5	3994.6	3992.9	4004.9	3999.7	3991.2	3986.1	3975.8	3991.2
7.5°	3980.9	3980.9	3986.1	3991.2	3987.8	3998.0	3989.5	3977.5	3969.0	3958.7	3972.4
10°	3958.7	3962.1	3967.2	3979.2	3984.4	3999.7	3987.8	3969.0	3955.3	3943.3	3957.0
12.5°	3955.3	3958.7	3965.5	3980.9	3989.5	4011.7	3996.3	3965.5	3945.0	3929.6	3943.3
15°	3970.7	3974.1	3984.4	4003.2	4016.9	4040.8	4018.6	3975.8	3946.7	3926.2	3938.2
17.5°	3989.5	3994.6	4010.0	4037.4	4059.6	4085.3	4057.9	4006.6	3965.5	3938.2	3948.4
20°	4010.0	4016.9	4040.8	4081.9	4122.9	4155.4	4121.2	4052.8	4003.2	3967.2	3977.5
22.5°	4045.9	4054.5	4085.3	4143.5	4205.0	4252.9	4210.2	4117.8	4052.8	4006.6	4015.1
25°	4119.5	4129.8	4169.1	4239.3	4326.5	4384.7	4324.8	4220.4	4129.8	4073.3	4081.9
27.5°	4249.5	4254.7	4306.0	4398.4	4506.1	4572.9	4501.0	4377.8	4276.9	4211.9	4218.7
30°	4420.6	4436.0	4487.3	4608.8	4737.1	4826.0	4732.0	4586.5	4470.2	4391.5	4398.4
32.5°	4629.3	4639.6	4716.6	4843.2	5027.9	5130.6	5002.3	4829.5	4689.2	4593.4	4600.2
35°	4903.0	4911.6	4985.1	5146.0	5370.1	5465.9	5318.7	5120.3	4957.8	4867.1	4892.8
37.5°	5229.8	5245.2	5298.2	5457.3	5707.1	5801.2	5631.8	5447.0	5277.7	5193.9	5212.7
40°	5580.5	5578.8	5621.5	5761.8	5989.4	6047.5	5895.3	5748.1	5602.7	5548.0	5578.8
42.5°	5881.6	5873.0	5903.8	6020.2	6177.5	6182.7	6081.7	5999.6	5897.0	5859.3	5888.4
45°	6092.0	6095.4	6141.6	6222.0	6302.4	6259.7	6228.9	6215.2	6134.8	6083.5	6088.6
47.5°	6257.9	6271.6	6345.2	6399.9	6410.2	6338.4	6381.1	6401.7	6334.9	6256.2	6234.0
50°	6405.1	6427.3	6523.1	6581.3	6559.0	6468.4	6552.2	6583.0	6435.9	6285.3	6240.8
52.5°	6672.0	6697.6	6813.9	6889.2	6863.6	6772.9	6851.6	6742.1	6494.0	6309.3	6252.8
55°	7097.9	7109.9	7251.9	7375.1	7363.1	7251.9	7188.6	6945.7	6644.6	6453.0	6399.9
57.5°	7007.3	7027.8	7274.1	7602.6	7787.4	7686.4	7315.2	6901.2	6492.3	6261.4	6189.5
60°	5513.8	5563.4	5869.6	6447.8	7125.3	7123.6	6434.2	5790.9	5298.2	4992.0	4961.2
62.5°	3219.6	3253.9	3532.7	4117.8	4725.1	4762.7	4278.6	3837.2	3406.1	3199.1	3099.9
65°	1524.3	1522.6	1633.8	1897.2	2307.8	2340.3	2194.9	1953.7	1698.8	1628.6	1609.8
67.5°	1125.7	1125.7	1117.1	1135.9	1214.6	1231.7	1214.6	1175.3	1151.3	1166.7	1156.5
70°	976.8	978.6	968.3	963.2	963.2	958.0	964.9	980.3	990.5	1011.1	1000.8
72.5°	792.1	793.8	793.8	795.5	797.2	790.4	800.6	809.2	810.9	817.7	810.9
75°	562.8	566.3	576.5	585.1	591.9	591.9	595.3	597.1	590.2	598.8	585.1
77.5°	309.6	313.1	331.9	347.3	362.7	364.4	369.5	372.9	369.5	376.4	366.1
80°	171.1	174.5	183.1	189.9	201.9	212.1	219.0	222.4	222.4	227.5	222.4
82.5°	97.5	100.9	106.1	109.5	119.8	128.3	135.1	140.3	140.3	142.0	138.6
85°	46.2	46.2	49.6	53.0	58.2	61.6	70.1	75.3	75.3	78.7	75.3
87.5°	6.8	8.6	10.3	10.3	13.7	17.1	20.5	22.2	25.7	27.4	27.4
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)