

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: P639502

Luminaire Tested: GWS-SA5C-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15901.1 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

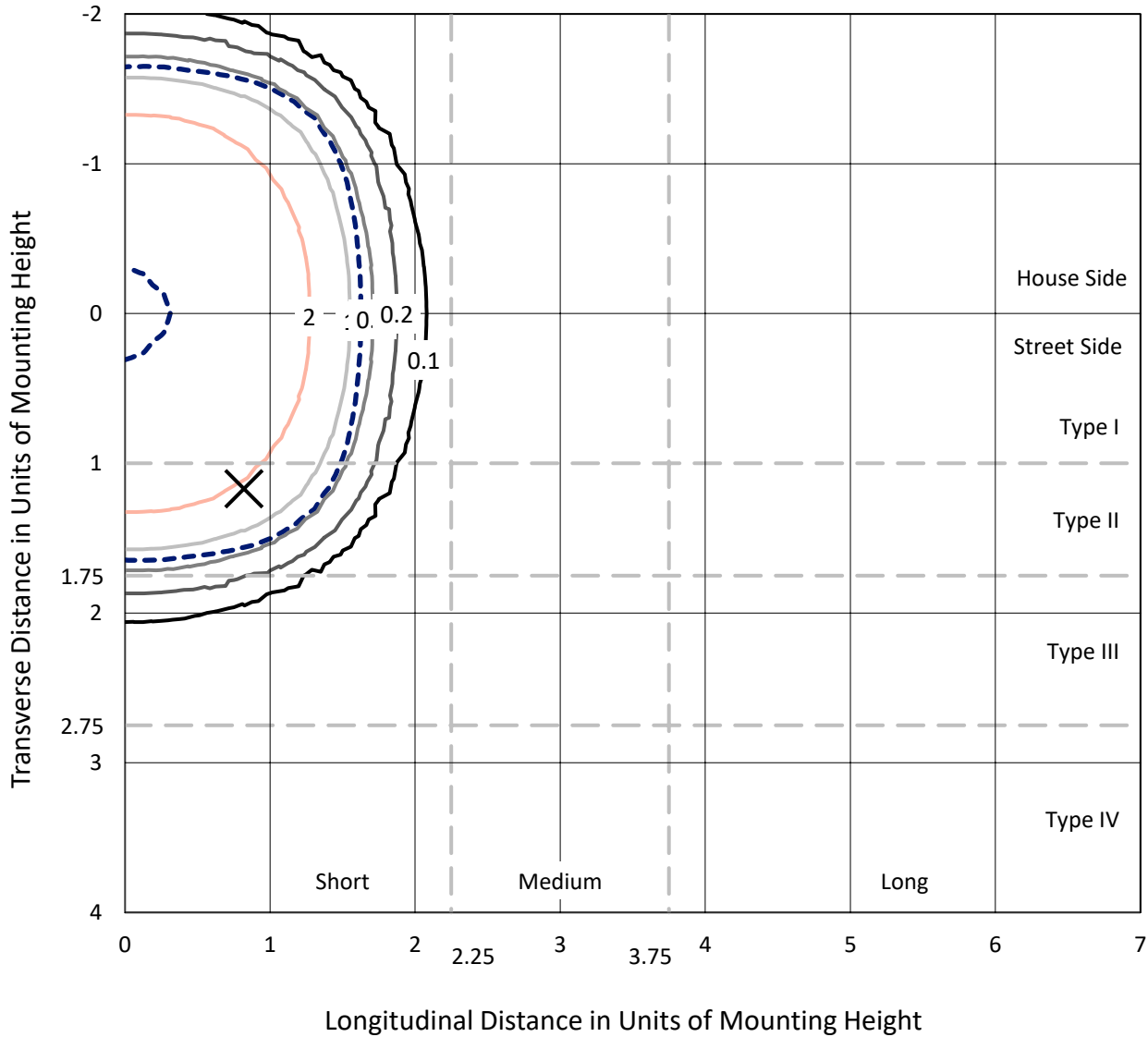
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639502
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Iso-Footcandle Lines of Horizontal Illumination

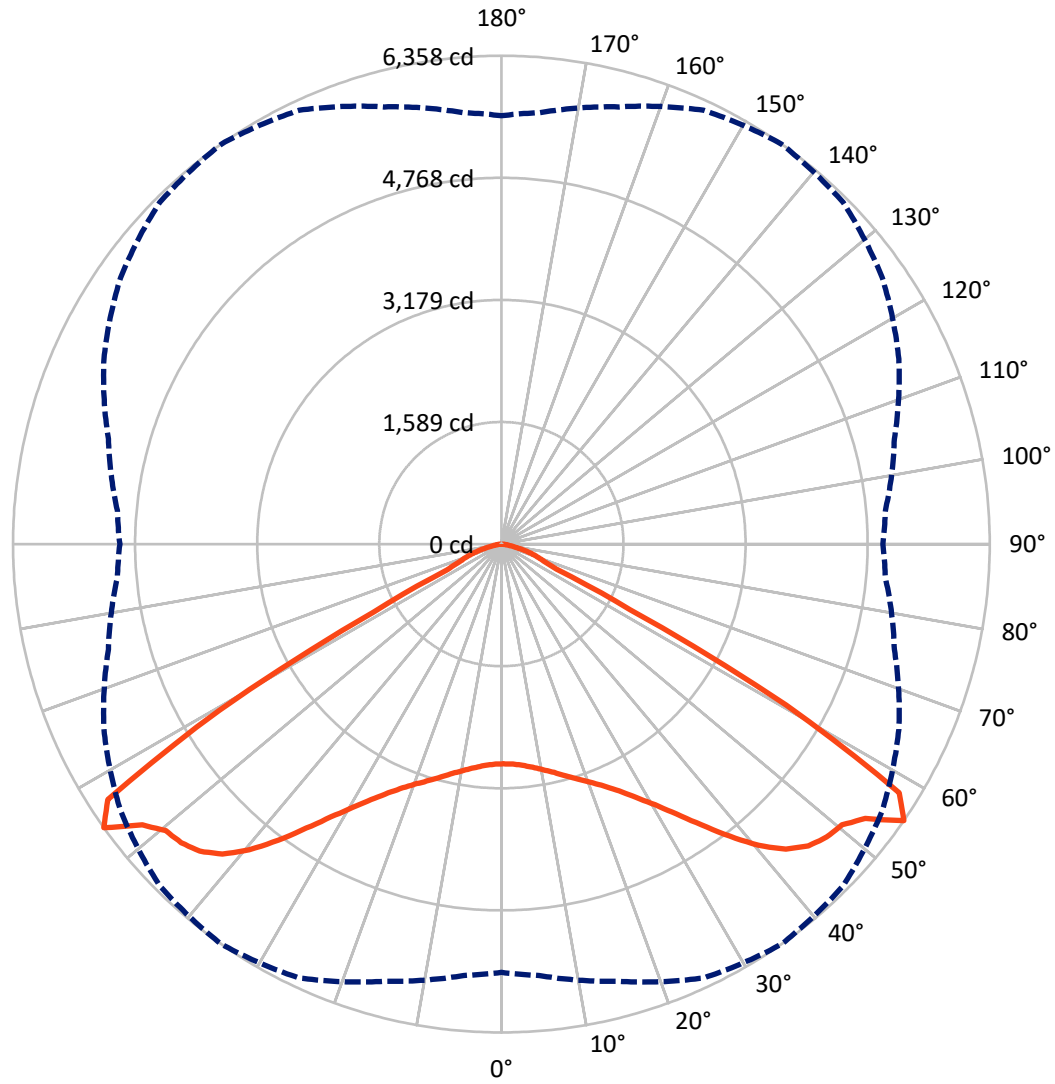
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

REPORT NUMBER: P639502
CATALOG NUMBER: GWS-SA5C-722-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7950.5	0.0	7950.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7950.5	0.0	7950.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15901.1	0.0	15901.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.0	1.8
10°-20°	888.3	5.6
20°-30°	1644.1	10.3
30°-40°	2750.3	17.3
40°-50°	4191.0	26.4
50°-60°	4694.8	29.5
60°-70°	1110.8	7.0
70°-80°	299.5	1.9
80°-90°	43.1	0.3
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°	15901.1	100.0
0°-180°	15901.1	100.0

Coefficient of Utilization



REPORT NUMBER: P639502

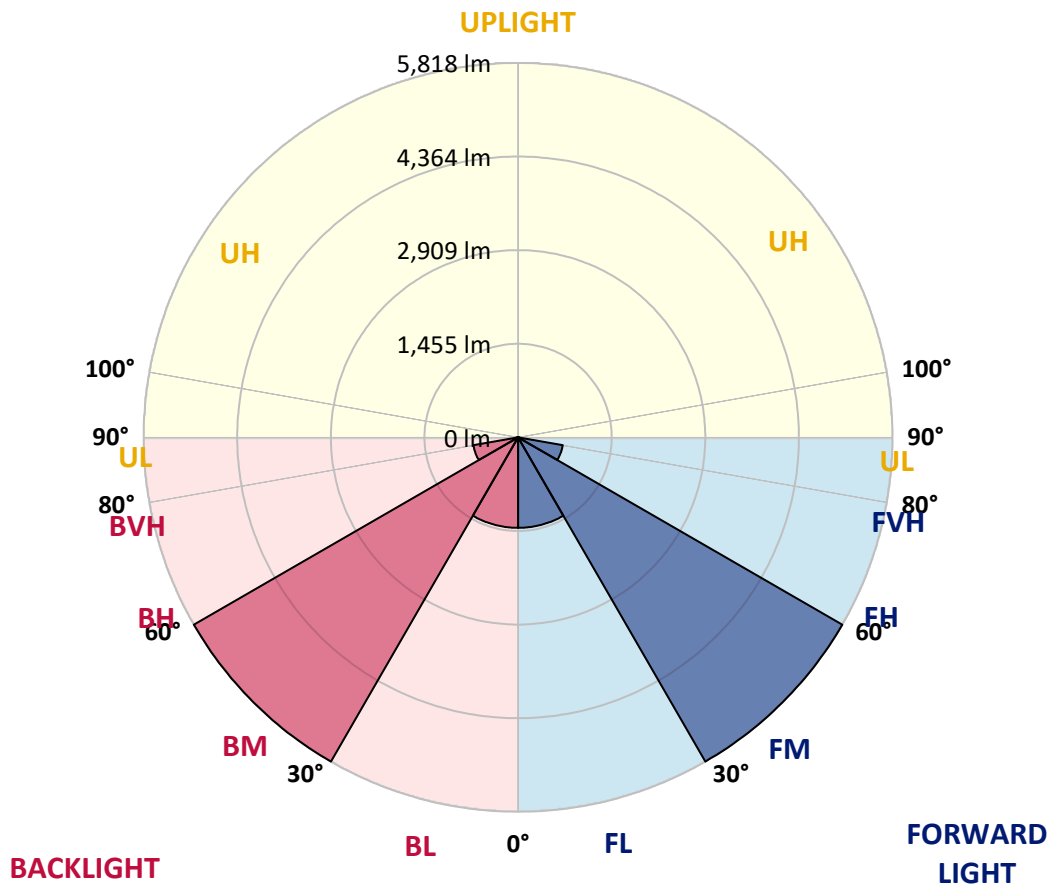
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1405.7	8.8			
FM (30°-60°)	5818.1	36.6			
FH (60°-80°)	705.2	4.4			G1/1800
FVH (80°-90°)	21.5	0.1			G1/100
BL (0°-30°)	1405.7	8.8	B3/2500		
BM (30°-60°)	5818.1	36.6	B4/8500		
BH (60°-80°)	705.2	4.4	B2/1000		G1/1800
BVH (80°-90°)	21.5	0.1			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°	2860.7	2860.7	2860.7	2860.7	2860.7	2860.7	2860.7	2860.7	2860.7	2860.7	2860.7
2.5°	2854.4	2854.4	2859.4	2865.7	2866.9	2879.5	2877.0	2872.0	2869.5	2864.4	2875.7
5°	2885.8	2887.1	2890.8	2894.6	2892.1	2902.1	2898.4	2892.1	2888.3	2882.0	2893.3
7.5°	2927.3	2927.3	2931.1	2936.1	2933.6	2948.7	2941.1	2932.3	2926.0	2918.5	2928.6
10°	2965.0	2967.5	2971.3	2981.4	2986.4	3002.7	2997.7	2985.1	2975.1	2966.3	2977.6
12.5°	3021.6	3024.1	3027.9	3041.7	3050.5	3066.9	3059.3	3041.7	3026.6	3014.1	3026.6
15°	3094.5	3092.0	3102.1	3119.7	3131.0	3146.1	3137.3	3107.1	3087.0	3070.6	3083.2
17.5°	3168.7	3167.5	3177.5	3200.2	3216.5	3236.6	3221.5	3186.3	3164.9	3144.8	3157.4
20°	3249.2	3253.0	3263.0	3284.4	3308.3	3334.7	3322.1	3284.4	3260.5	3237.9	3247.9
22.5°	3348.5	3349.8	3361.1	3388.8	3420.2	3445.4	3437.8	3391.3	3361.1	3337.2	3349.8
25°	3468.0	3466.7	3481.8	3514.5	3558.5	3583.7	3567.3	3515.8	3483.1	3455.4	3465.5
27.5°	3605.0	3603.8	3626.4	3669.2	3732.0	3767.3	3733.3	3669.2	3623.9	3584.9	3593.7
30°	3777.3	3773.5	3798.7	3856.5	3938.3	3997.4	3947.1	3857.8	3798.7	3757.2	3766.0
32.5°	3968.4	3973.5	4004.9	4082.9	4186.0	4262.7	4187.2	4087.9	4008.7	3948.3	3958.4
35°	4178.4	4178.4	4242.6	4339.4	4486.5	4588.4	4471.4	4328.1	4222.4	4139.5	4142.0
37.5°	4412.3	4414.8	4499.1	4632.4	4824.8	4944.2	4785.8	4608.5	4480.2	4390.9	4385.9
40°	4697.8	4705.3	4792.1	4940.4	5156.7	5266.1	5096.4	4922.8	4792.1	4686.4	4676.4
42.5°	5019.7	5022.2	5114.0	5247.3	5429.6	5495.0	5361.7	5219.6	5112.7	5017.1	5007.1
45°	5326.5	5320.2	5399.4	5498.7	5604.4	5610.6	5536.5	5478.6	5385.6	5303.8	5288.7
47.5°	5565.4	5560.4	5632.0	5686.1	5698.7	5637.1	5660.9	5669.7	5561.6	5451.0	5422.0
50°	5711.2	5721.3	5789.2	5819.4	5745.2	5644.6	5735.1	5712.5	5557.8	5413.2	5366.7
52.5°	5799.3	5814.4	5932.5	6009.3	5932.5	5837.0	5849.6	5716.3	5493.7	5302.6	5242.2
55°	5576.7	5637.1	5892.3	6231.8	6357.6	6290.9	6052.0	5708.7	5296.3	5018.4	4966.8
57.5°	4133.2	4228.7	4607.2	5342.8	6107.3	6350.0	5652.1	4785.8	4160.8	3803.7	3773.5
60°	2110.0	2216.8	2519.9	3275.6	4258.9	4600.9	3937.0	3064.4	2435.6	2146.4	2113.7
62.5°	861.3	878.9	978.3	1270.0	1882.4	2171.6	1907.5	1339.2	1005.9	926.7	928.0
65°	677.8	681.5	676.5	694.1	788.4	875.2	808.5	710.4	692.8	701.6	695.4
67.5°	591.0	592.2	588.5	588.5	592.2	588.5	596.0	599.8	602.3	612.4	606.1
70°	494.2	495.4	495.4	497.9	496.7	490.4	501.7	506.7	508.0	514.3	510.5
72.5°	382.3	386.0	388.5	389.8	388.5	384.8	391.1	399.9	398.6	404.9	398.6
75°	259.0	264.1	266.6	271.6	270.3	270.3	277.9	281.7	277.9	282.9	277.9
77.5°	147.1	150.9	158.4	163.5	168.5	172.3	177.3	179.8	178.6	181.1	178.6
80°	85.5	86.8	93.0	95.6	101.9	108.1	113.2	115.7	116.9	118.2	116.9
82.5°	49.0	50.3	52.8	55.3	60.4	65.4	70.4	74.2	74.2	75.4	74.2
85°	23.9	23.9	25.1	26.4	28.9	32.7	36.5	40.2	41.5	41.5	41.5
87.5°	3.8	3.8	5.0	5.0	6.3	7.5	10.1	12.6	13.8	13.8	13.8
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)