

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: P639725

Luminaire Tested: GWS-SA5C-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-740-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20110.7 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

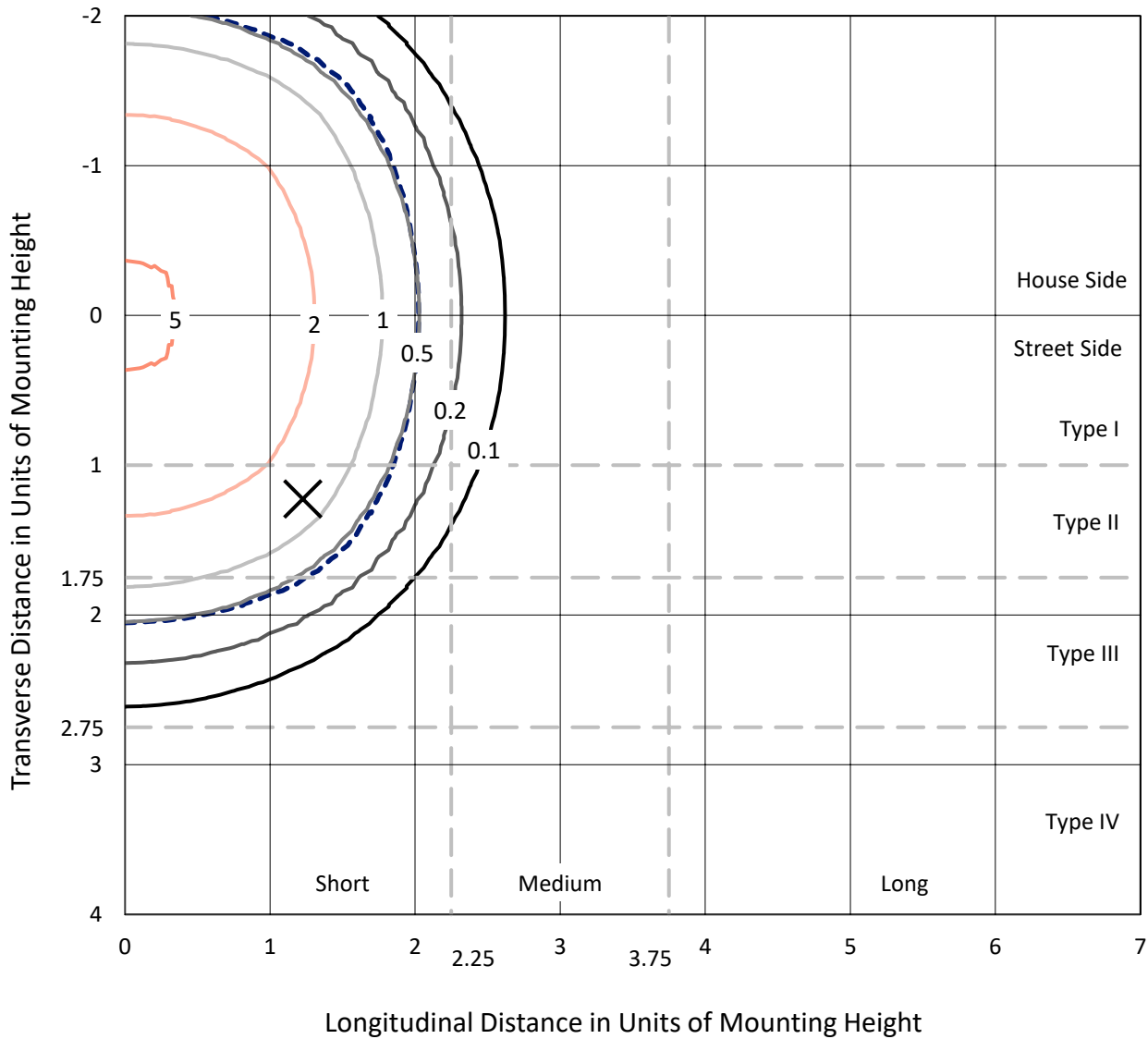
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

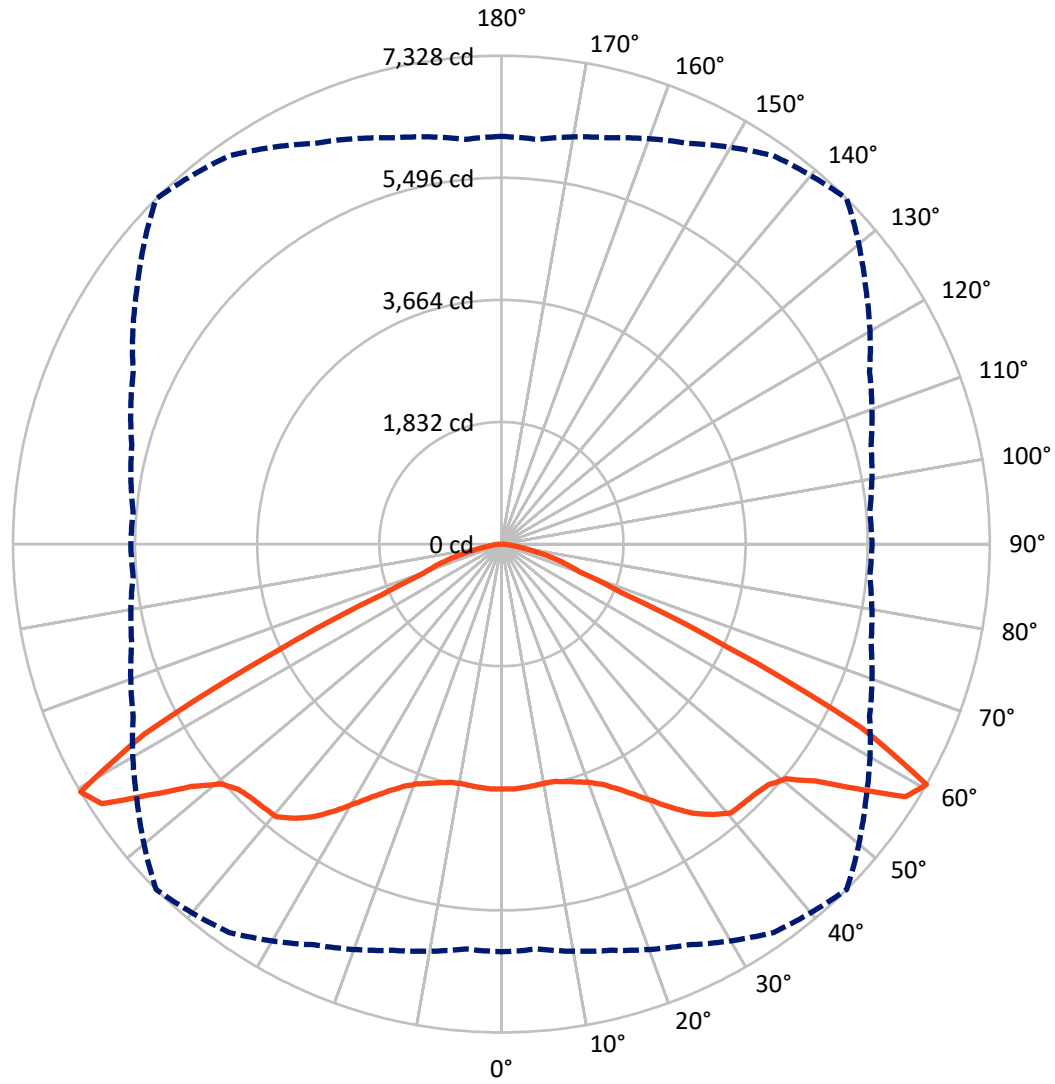
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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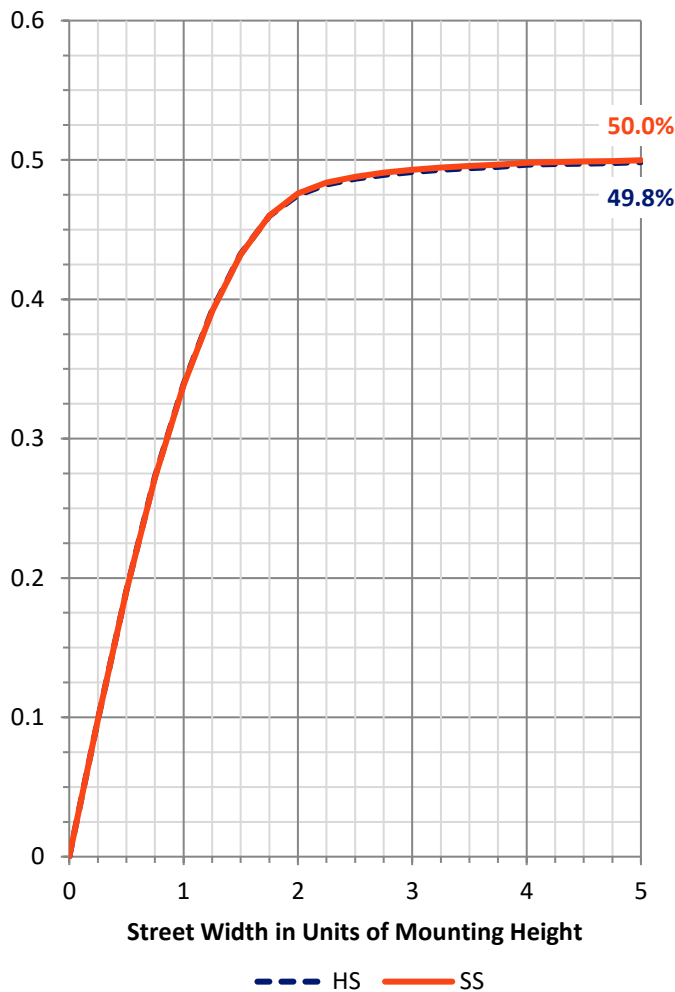
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10055.4	0.0	10055.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10055.4	0.0	10055.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	20110.7	0.0	20110.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.5	1.7
10°-20°	1048.4	5.2
20°-30°	1854.7	9.2
30°-40°	2986.1	14.8
40°-50°	4104.4	20.4
50°-60°	5469.5	27.2
60°-70°	3408.8	17.0
70°-80°	783.9	3.9
80°-90°	106.4	0.5
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°	20110.7	100.0
0°-180°	20110.7	100.0

Coefficient of Utilization



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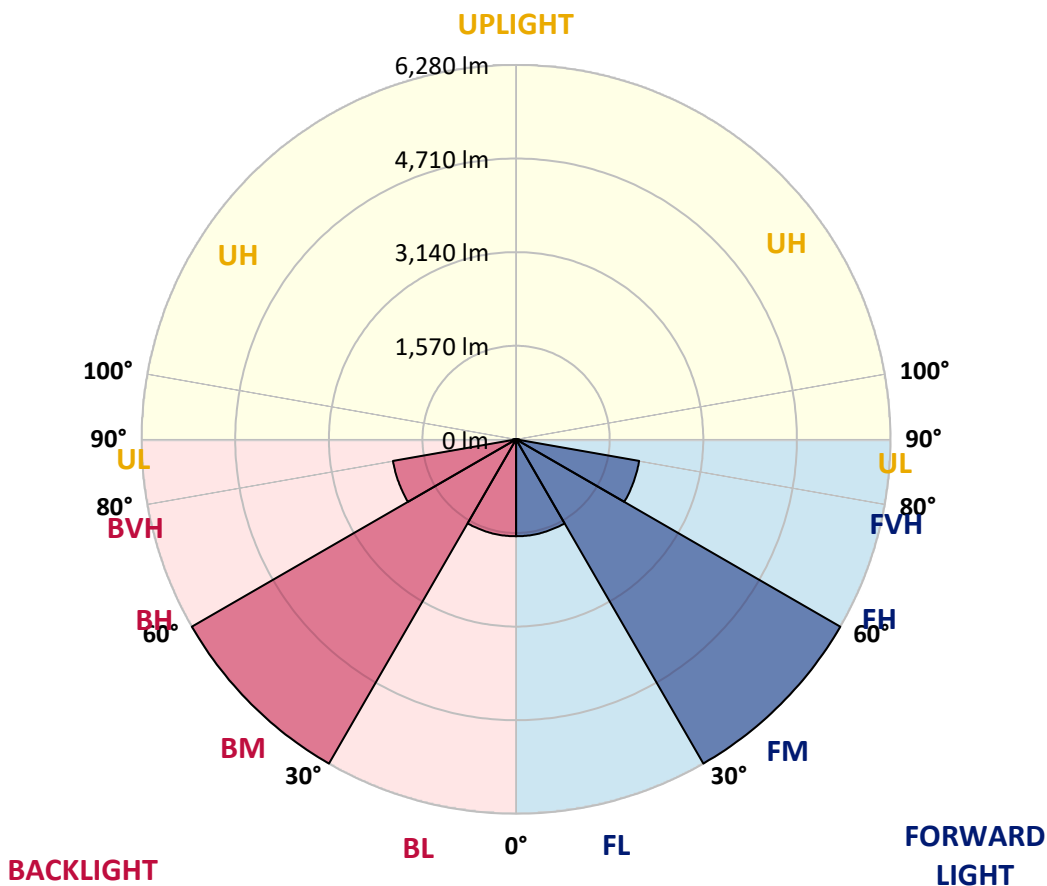
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1625.8	8.1			
FM (30°-60°)	6280.0	31.2			
FH (60°-80°)	2096.4	10.4			G2/5000
FVH (80°-90°)	53.2	0.3			G1/100
BL (0°-30°)	1625.8	8.1	B3/2500		
BM (30°-60°)	6280.0	31.2	B4/8500		
BH (60°-80°)	2096.4	10.4	B3/2500		G2/5000
BVH (80°-90°)	53.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3675.2	3675.2	3675.2	3675.2	3675.2	3675.2	3675.2	3675.2	3675.2	3675.2	3675.2
2.5°	3649.6	3653.0	3659.8	3665.0	3671.8	3678.6	3682.0	3675.2	3671.8	3658.1	3673.5
5°	3653.0	3656.4	3661.5	3661.5	3663.3	3668.4	3668.4	3659.8	3651.3	3635.9	3653.0
7.5°	3647.9	3651.3	3653.0	3651.3	3653.0	3654.7	3651.3	3641.1	3632.5	3618.9	3632.5
10°	3639.4	3642.8	3646.2	3642.8	3639.4	3644.5	3644.5	3637.6	3632.5	3618.9	3634.2
12.5°	3658.1	3663.3	3665.0	3656.4	3653.0	3654.7	3654.7	3647.9	3647.9	3635.9	3653.0
15°	3702.5	3705.9	3700.8	3690.6	3692.3	3697.4	3685.4	3668.4	3665.0	3659.8	3673.5
17.5°	3736.7	3740.1	3734.9	3728.1	3740.1	3752.0	3729.8	3697.4	3687.2	3683.7	3699.1
20°	3774.2	3779.3	3772.5	3781.0	3804.9	3818.6	3791.3	3746.9	3726.4	3721.3	3740.1
22.5°	3835.7	3842.5	3842.5	3861.3	3897.1	3919.3	3885.2	3825.4	3794.7	3786.2	3804.9
25°	3933.0	3938.1	3943.2	3980.8	4038.8	4069.5	4014.9	3933.0	3890.3	3876.6	3886.9
27.5°	4067.8	4076.4	4084.9	4139.5	4211.2	4255.6	4177.1	4074.6	4021.7	3994.4	4014.9
30°	4228.3	4240.2	4260.7	4322.2	4422.9	4472.4	4371.7	4247.1	4187.3	4158.3	4185.6
32.5°	4446.8	4448.5	4463.8	4532.1	4665.3	4721.6	4595.3	4457.0	4395.6	4361.4	4376.8
35°	4706.2	4707.9	4684.0	4754.0	4897.4	4960.6	4812.1	4672.1	4620.9	4610.6	4649.9
37.5°	4972.5	4957.2	4933.3	4964.0	5109.1	5150.1	4993.0	4873.5	4851.3	4870.1	4928.2
40°	5162.0	5136.4	5088.6	5110.8	5257.6	5305.4	5138.1	5025.4	5018.6	5064.7	5134.7
42.5°	5284.9	5257.6	5201.3	5201.3	5302.0	5322.5	5192.7	5133.0	5148.4	5201.3	5267.8
45°	5344.7	5329.3	5296.9	5279.8	5336.1	5344.7	5245.7	5221.8	5250.8	5276.4	5327.6
47.5°	5390.8	5390.8	5380.5	5363.4	5389.0	5394.2	5320.8	5313.9	5351.5	5351.5	5385.6
50°	5472.7	5481.2	5494.9	5491.5	5518.8	5535.8	5481.2	5471.0	5486.3	5436.8	5453.9
52.5°	5687.8	5710.0	5749.2	5780.0	5849.9	5902.9	5805.6	5723.6	5643.4	5534.1	5537.6
55°	6073.6	6083.8	6160.6	6251.1	6368.9	6476.4	6276.7	6022.3	5848.2	5720.2	5721.9
57.5°	6399.6	6415.0	6527.6	6717.1	6981.7	7149.0	6706.9	6281.8	6036.0	5879.0	5884.1
60°	6117.9	6097.5	6310.8	6635.2	7114.8	7328.2	6676.1	6095.7	5742.4	5547.8	5561.5
62.5°	4733.6	4694.3	4931.6	5271.3	5846.5	6059.9	5459.0	4902.5	4568.0	4416.0	4393.9
65°	2881.4	2845.6	3016.3	3224.5	3613.7	3748.6	3473.8	3178.5	2886.6	2794.4	2768.8
67.5°	1568.7	1563.6	1609.7	1712.1	1882.8	1946.0	1893.1	1753.1	1678.0	1613.1	1613.1
70°	1244.4	1234.2	1225.6	1227.3	1242.7	1251.2	1252.9	1246.1	1254.7	1256.4	1249.5
72.5°	1031.0	1027.6	1010.6	1012.3	1005.4	1002.0	1014.0	1020.8	1034.5	1036.2	1036.2
75°	747.7	739.1	747.7	749.4	742.6	742.6	751.1	749.4	756.2	759.6	740.8
77.5°	425.0	425.0	437.0	450.7	460.9	460.9	469.4	469.4	478.0	476.3	472.8
80°	233.9	233.9	240.7	249.2	259.5	269.7	278.2	280.0	285.1	283.4	278.2
82.5°	133.1	134.9	138.3	143.4	153.6	162.2	170.7	172.4	177.5	177.5	172.4
85°	63.2	61.5	63.2	66.6	71.7	78.5	87.1	92.2	95.6	95.6	92.2
87.5°	11.9	13.7	11.9	13.7	15.4	20.5	23.9	27.3	32.4	34.1	30.7
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)