

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: P640708

Luminaire Tested: GWS-SA5E-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-740-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22936.9 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

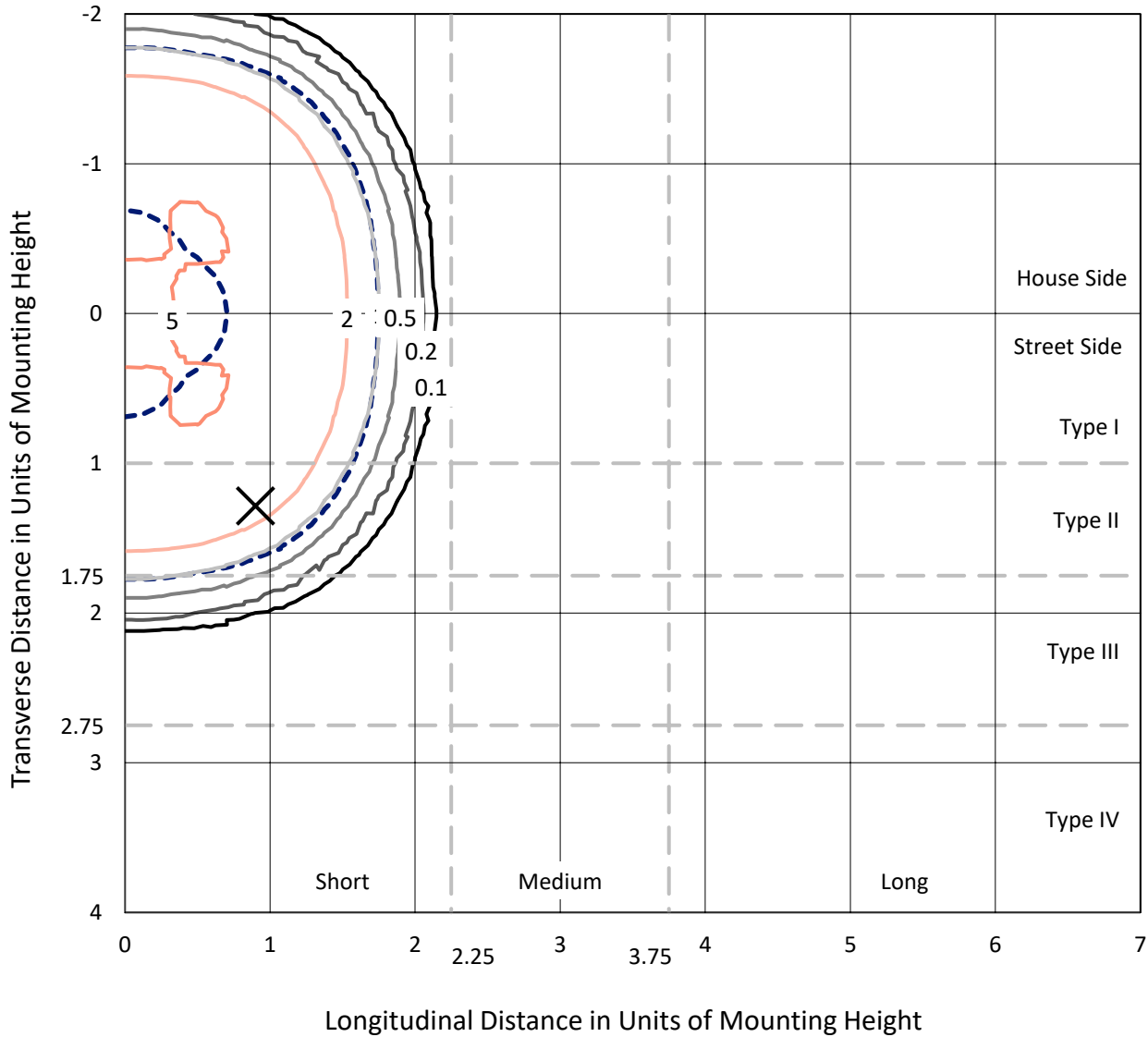
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

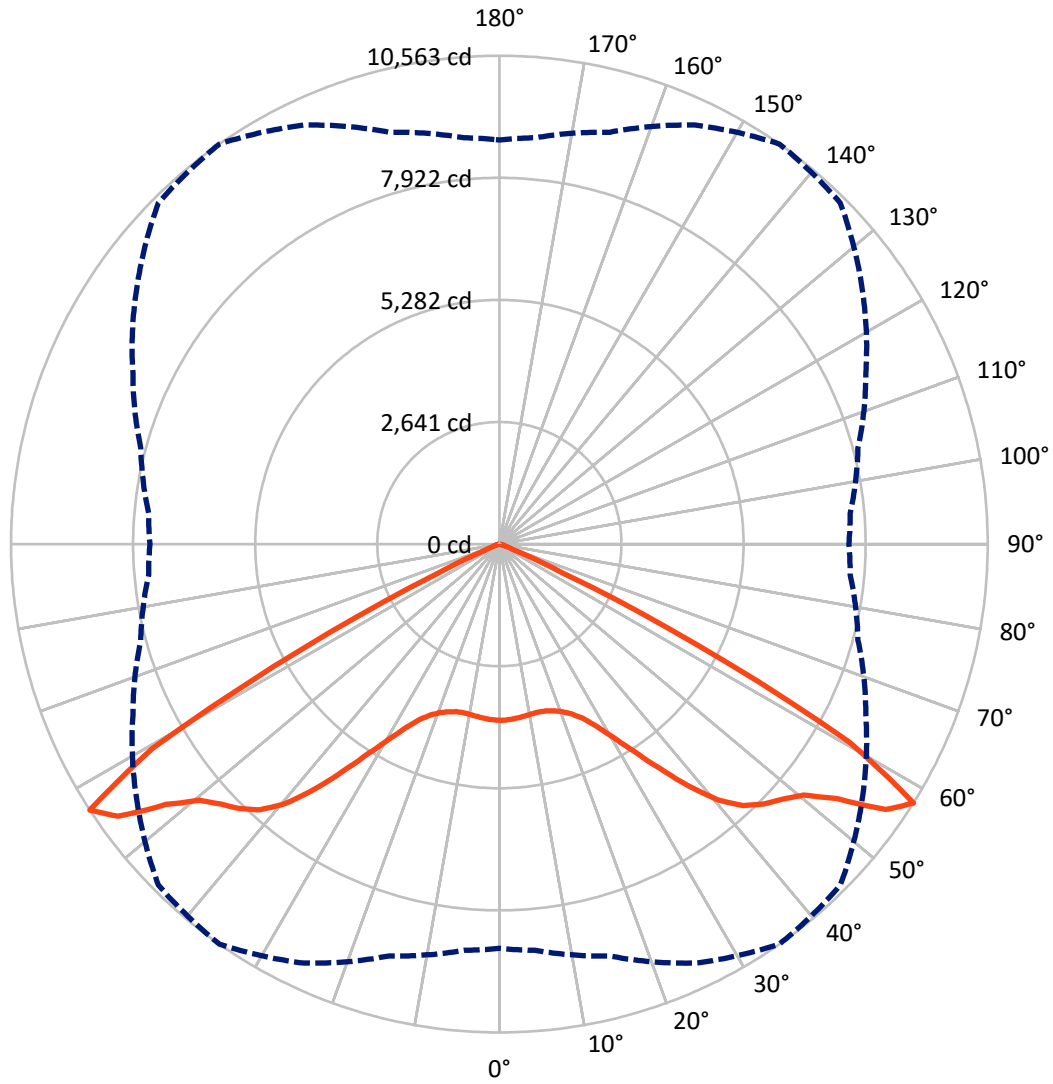
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	11468.5	0.0	11468.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11468.5	0.0	11468.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22936.9	0.0	22936.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.3	1.6
10°-20°	1056.9	4.6
20°-30°	1910.4	8.3
30°-40°	3563.9	15.5
40°-50°	5978.5	26.1
50°-60°	7895.3	34.4
60°-70°	2096.8	9.1
70°-80°	74.5	0.3
80°-90°	1.3	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°	22936.9	100.0
0°-180°	22936.9	100.0

Coefficient of Utilization



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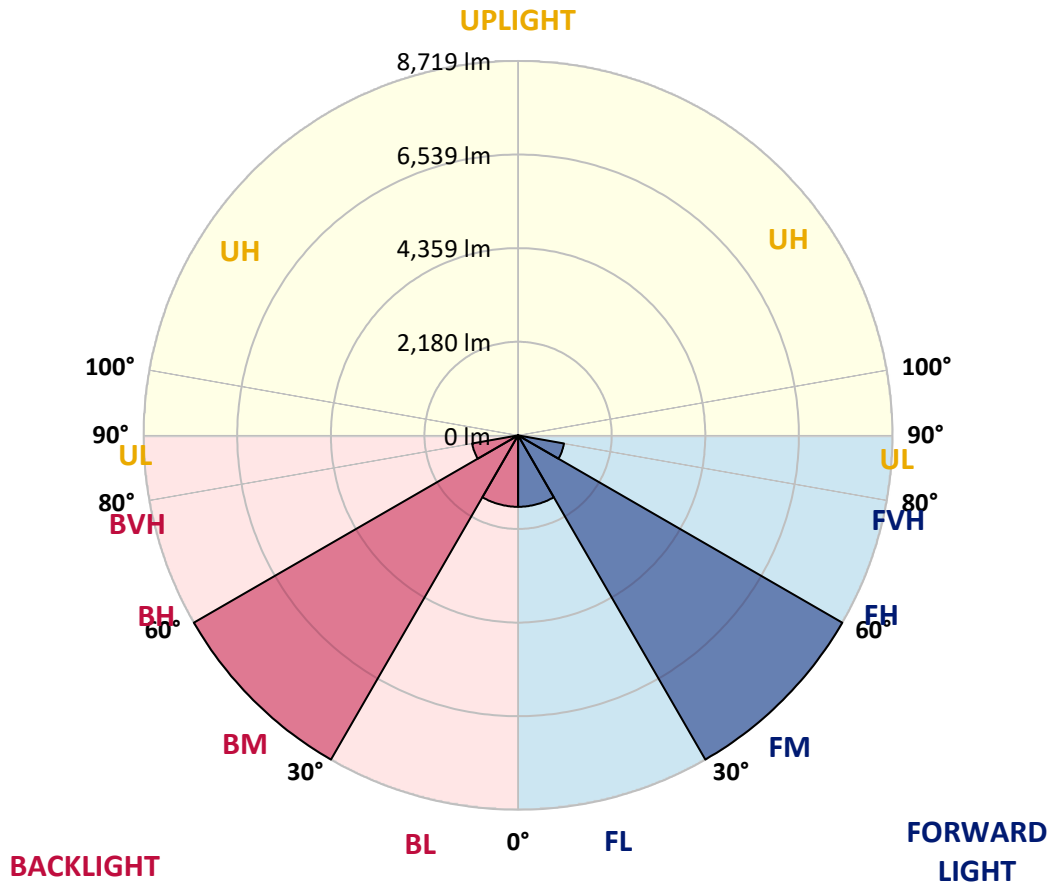
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1663.3	7.3			
FM (30°-60°)	8718.9	38.0			
FH (60°-80°)	1085.6	4.7			G1/1800
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1663.3	7.3	B3/2500		
BM (30°-60°)	8718.9	38.0	B5		
BH (60°-80°)	1085.6	4.7	B3/2500		G1/1800
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: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3813.5	3813.5	3813.5	3813.5	3813.5	3813.5	3813.5	3813.5	3813.5	3813.5	3813.5
2.5°	3786.6	3783.9	3794.6	3802.7	3802.7	3821.5	3816.2	3810.8	3805.4	3797.3	3816.2
5°	3781.2	3778.5	3786.6	3791.9	3786.6	3802.7	3791.9	3781.2	3775.8	3765.0	3786.6
7.5°	3757.0	3759.6	3765.0	3770.4	3762.3	3775.8	3762.3	3746.2	3732.7	3722.0	3740.8
10°	3719.3	3722.0	3727.3	3738.1	3740.8	3759.6	3740.8	3711.2	3692.4	3676.2	3695.1
12.5°	3700.4	3703.1	3711.2	3724.7	3727.3	3751.6	3727.3	3684.3	3657.4	3638.5	3657.4
15°	3705.8	3711.2	3722.0	3738.1	3743.5	3767.7	3735.4	3678.9	3641.2	3617.0	3633.2
17.5°	3724.7	3730.0	3746.2	3773.1	3791.9	3816.2	3775.8	3703.1	3652.0	3617.0	3633.2
20°	3748.9	3757.0	3783.9	3826.9	3867.3	3910.4	3859.2	3759.6	3692.4	3649.3	3662.8
22.5°	3816.2	3824.2	3861.9	3918.4	3985.7	4039.5	3977.6	3851.1	3759.6	3703.1	3716.6
25°	3953.4	3961.5	4009.9	4082.6	4168.7	4238.7	4160.6	4001.9	3883.4	3818.8	3824.2
27.5°	4168.7	4176.8	4233.3	4335.6	4451.3	4550.9	4437.8	4252.1	4117.6	4042.2	4042.2
30°	4440.5	4451.3	4526.6	4663.9	4844.2	4976.1	4822.7	4596.6	4424.4	4322.1	4324.8
32.5°	4790.4	4779.6	4887.3	5075.7	5331.3	5506.2	5280.2	5005.7	4793.1	4650.4	4663.9
35°	5239.8	5237.1	5358.2	5613.9	5947.6	6157.5	5888.4	5533.2	5277.5	5132.2	5134.9
37.5°	5818.4	5815.7	5955.7	6232.9	6633.9	6808.8	6507.4	6146.8	5872.3	5732.3	5748.5
40°	6496.6	6480.5	6604.3	6870.7	7271.7	7384.7	7056.4	6765.7	6502.0	6413.2	6456.2
42.5°	7142.5	7107.5	7180.2	7422.4	7731.9	7748.0	7500.4	7301.3	7121.0	7051.0	7077.9
45°	7661.9	7635.0	7702.3	7842.2	8019.9	7939.1	7820.7	7758.8	7613.5	7538.1	7562.3
47.5°	8049.5	8049.5	8130.2	8216.3	8243.2	8095.2	8114.0	8114.0	7968.7	7850.3	7820.7
50°	8383.2	8407.4	8528.5	8617.3	8528.5	8340.1	8447.8	8426.2	8130.2	7893.4	7831.5
52.5°	8916.0	8940.3	9125.9	9247.0	9147.5	8961.8	8975.2	8706.1	8270.1	7990.2	7893.4
55°	9481.2	9540.4	9809.5	10132.5	10135.2	9944.1	9588.8	9112.5	8582.3	8278.2	8178.6
57.5°	8741.1	8821.8	9222.8	10000.6	10563.1	10431.2	9583.5	8746.5	8030.6	7616.2	7559.7
60°	6014.9	6154.8	6555.8	7618.9	8703.4	8754.6	7753.4	6814.2	5993.4	5482.0	5492.8
62.5°	2540.5	2683.2	2909.2	3783.9	4779.6	4841.5	4357.1	3684.3	3014.2	2645.5	2702.0
65°	597.5	637.8	705.1	1046.9	1517.9	1587.8	1464.0	1141.1	842.4	713.2	726.6
67.5°	261.0	266.4	253.0	269.1	333.7	341.8	331.0	290.7	274.5	279.9	279.9
70°	183.0	185.7	174.9	166.9	158.8	148.0	153.4	169.5	183.0	193.8	191.1
72.5°	113.0	115.7	118.4	118.4	110.3	99.6	105.0	115.7	118.4	121.1	118.4
75°	56.5	59.2	64.6	67.3	64.6	61.9	61.9	64.6	64.6	61.9	61.9
77.5°	10.8	13.5	18.8	21.5	21.5	21.5	21.5	21.5	24.2	21.5	21.5
80°	2.7	2.7	5.4	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4
82.5°	2.7	2.7	2.7	2.7	0.0	0.0	2.7	2.7	2.7	2.7	2.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7
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)