

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: P639832

Luminaire Tested: GWS-SA5C-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639832
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21779.4 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

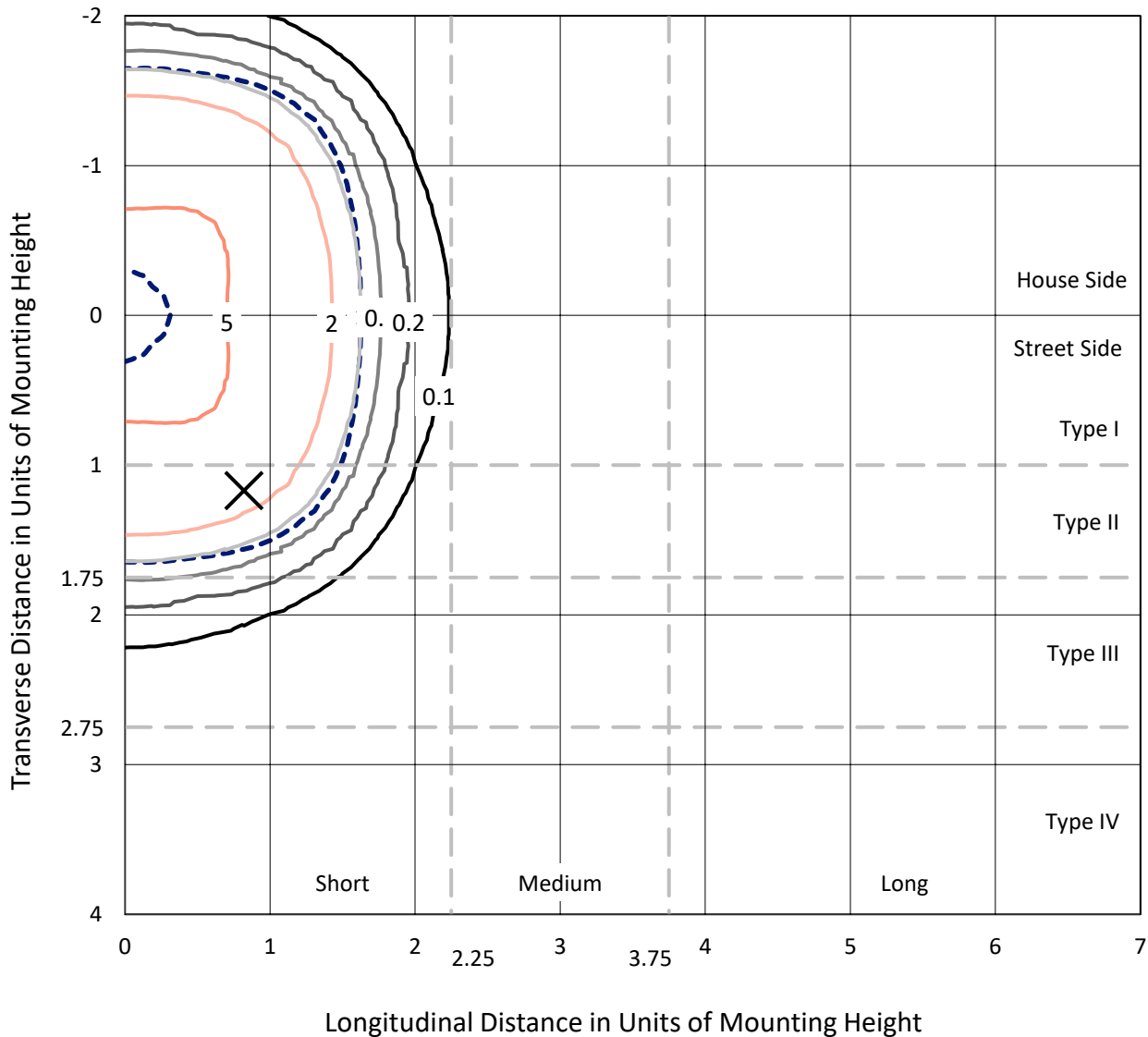
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

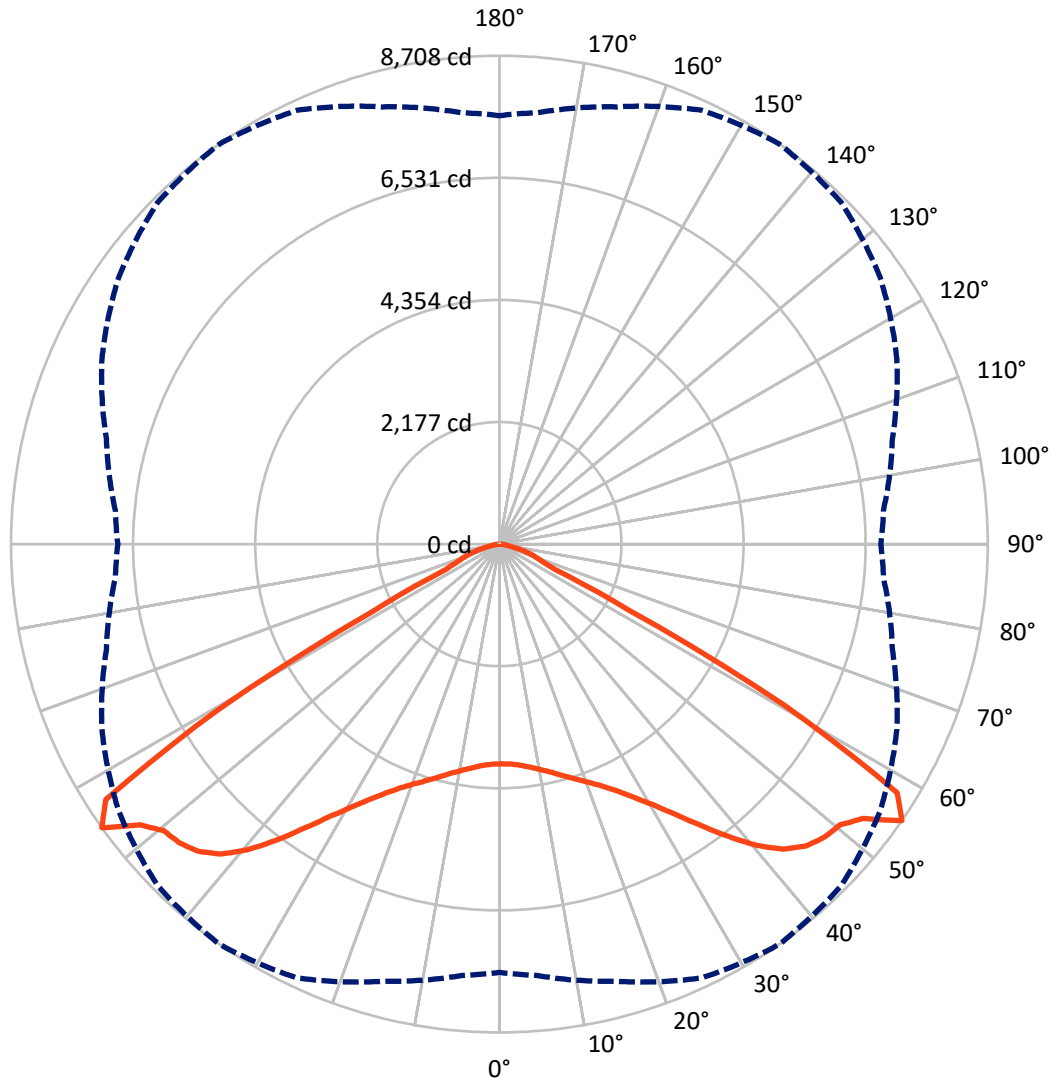
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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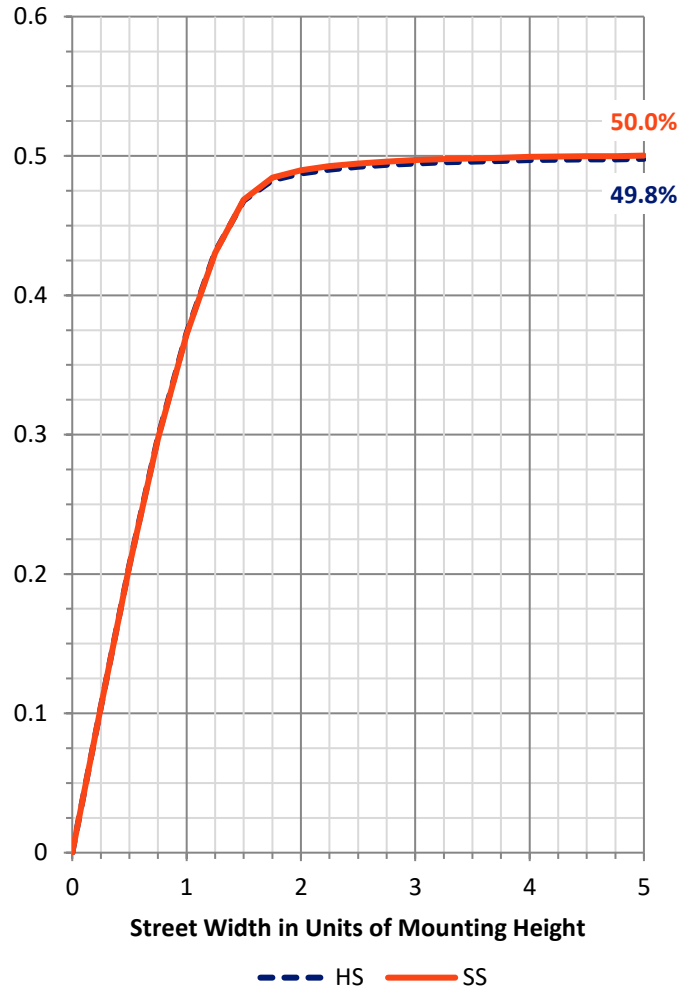
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10889.7	0.0	10889.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10889.7	0.0	10889.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	21779.4	0.0	21779.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.2	1.8
10°-20°	1216.7	5.6
20°-30°	2251.9	10.3
30°-40°	3767.1	17.3
40°-50°	5740.4	26.4
50°-60°	6430.4	29.5
60°-70°	1521.5	7.0
70°-80°	410.2	1.9
80°-90°	59.0	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°	21779.4	100.0
0°-180°	21779.4	100.0

Coefficient of Utilization



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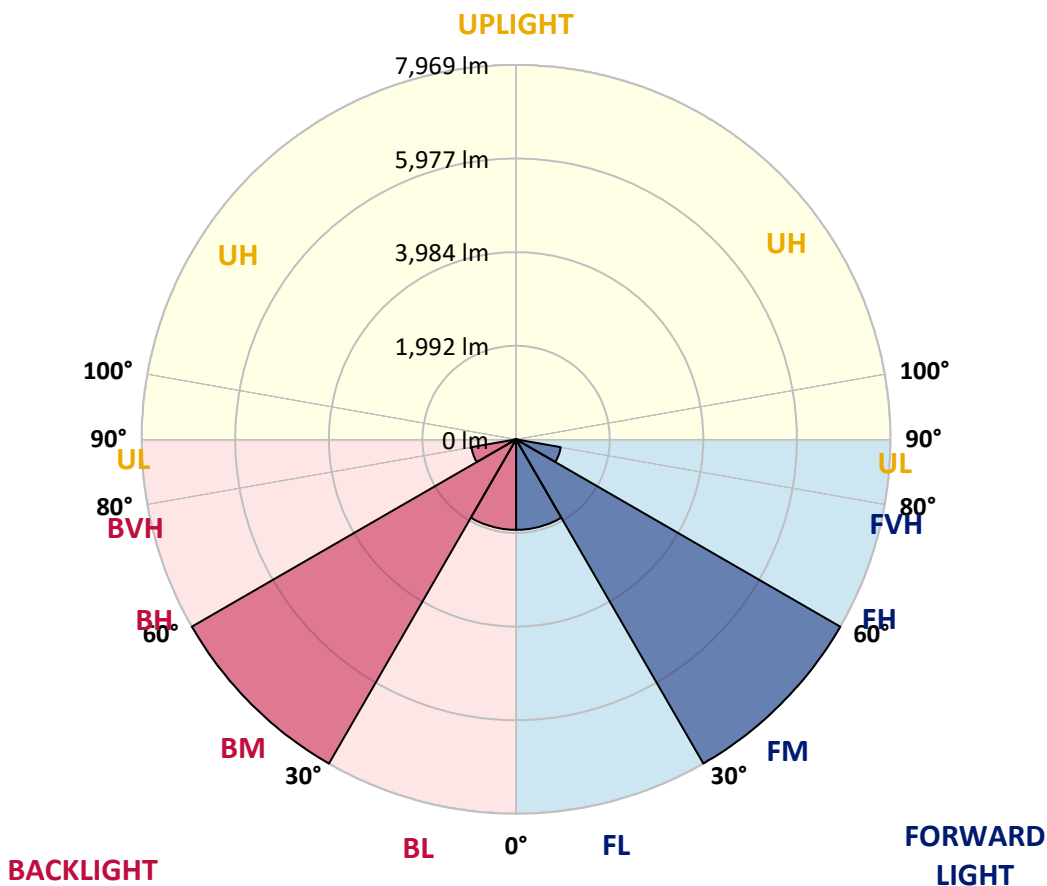
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1925.4	8.8			
FM (30°-60°)	7968.9	36.6			
FH (60°-80°)	965.8	4.4			G1/1800
FVH (80°-90°)	29.5	0.1			G1/100
BL (0°-30°)	1925.4	8.8	B3/2500		
BM (30°-60°)	7968.9	36.6	B4/8500		
BH (60°-80°)	965.8	4.4	B2/1000		G1/1800
BVH (80°-90°)	29.5	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°	3918.2	3918.2	3918.2	3918.2	3918.2	3918.2	3918.2	3918.2	3918.2	3918.2	3918.2
2.5°	3909.6	3909.6	3916.5	3925.1	3926.8	3944.0	3940.6	3933.7	3930.2	3923.3	3938.8
5°	3952.6	3954.3	3959.5	3964.7	3961.2	3975.0	3969.8	3961.2	3956.1	3947.5	3963.0
7.5°	4009.5	4009.5	4014.6	4021.5	4018.1	4038.7	4028.4	4016.3	4007.7	3997.4	4011.2
10°	4061.1	4064.6	4069.7	4083.5	4090.4	4112.8	4105.9	4088.7	4074.9	4062.8	4078.3
12.5°	4138.6	4142.1	4147.2	4166.2	4178.2	4200.6	4190.3	4166.2	4145.5	4128.3	4145.5
15°	4238.5	4235.1	4248.8	4273.0	4288.5	4309.1	4297.1	4255.7	4228.2	4205.8	4223.0
17.5°	4340.1	4338.4	4352.2	4383.2	4405.6	4433.1	4412.5	4364.2	4335.0	4307.4	4324.6
20°	4450.4	4455.5	4469.3	4498.6	4531.3	4567.5	4550.2	4498.6	4465.9	4434.9	4448.6
22.5°	4586.4	4588.1	4603.6	4641.5	4684.6	4719.0	4708.7	4645.0	4603.6	4570.9	4588.1
25°	4750.0	4748.3	4769.0	4813.8	4874.0	4908.5	4886.1	4815.5	4770.7	4732.8	4746.6
27.5°	4937.8	4936.0	4967.0	5025.6	5111.7	5159.9	5113.4	5025.6	4963.6	4910.2	4922.3
30°	5173.7	5168.5	5203.0	5282.2	5394.2	5475.1	5406.2	5283.9	5203.0	5146.2	5158.2
32.5°	5435.5	5442.4	5485.4	5592.2	5733.4	5838.5	5735.2	5599.1	5490.6	5407.9	5421.7
35°	5723.1	5723.1	5811.0	5943.6	6145.1	6284.6	6124.4	5928.1	5783.4	5669.7	5673.2
37.5°	6043.5	6046.9	6162.3	6344.9	6608.4	6772.0	6555.0	6312.1	6136.5	6014.2	6007.3
40°	6434.4	6444.7	6563.6	6766.8	7063.0	7212.9	6980.4	6742.7	6563.6	6418.9	6405.1
42.5°	6875.3	6878.8	7004.5	7187.0	7436.8	7526.3	7343.8	7149.2	7002.8	6871.9	6858.1
45°	7295.6	7286.9	7395.4	7531.5	7676.2	7684.8	7583.2	7503.9	7376.5	7264.6	7243.9
47.5°	7622.8	7615.9	7714.1	7788.1	7805.3	7721.0	7753.7	7765.7	7617.6	7466.1	7426.4
50°	7822.6	7836.3	7929.3	7970.7	7869.1	7731.3	7855.3	7824.3	7612.4	7414.4	7350.7
52.5°	7943.1	7963.8	8125.7	8230.7	8125.7	7994.8	8012.0	7829.5	7524.6	7262.8	7180.2
55°	7638.3	7721.0	8070.6	8535.6	8707.8	8616.5	8289.3	7819.1	7254.2	6873.6	6803.0
57.5°	5661.1	5792.0	6310.4	7317.9	8365.1	8697.5	7741.6	6555.0	5699.0	5209.9	5168.5
60°	2890.0	3036.4	3451.4	4486.5	5833.3	6301.8	5392.4	4197.2	3336.0	2939.9	2895.1
62.5°	1179.8	1203.9	1339.9	1739.5	2578.2	2974.4	2612.7	1834.2	1377.8	1269.3	1271.0
65°	928.3	933.5	926.6	950.7	1079.9	1198.7	1107.4	973.1	949.0	961.0	952.4
67.5°	809.5	811.2	806.0	806.0	811.2	806.0	816.4	821.5	825.0	838.7	830.1
70°	676.9	678.6	678.6	682.0	680.3	671.7	687.2	694.1	695.8	704.4	699.2
72.5°	523.6	528.7	532.2	533.9	532.2	527.0	535.6	547.7	546.0	554.6	546.0
75°	354.8	361.7	365.1	372.0	370.3	370.3	380.6	385.8	380.6	387.5	380.6
77.5°	201.5	206.7	217.0	223.9	230.8	236.0	242.8	246.3	244.6	248.0	244.6
80°	117.1	118.8	127.4	130.9	139.5	148.1	155.0	158.4	160.2	161.9	160.2
82.5°	67.2	68.9	72.3	75.8	82.7	89.6	96.4	101.6	101.6	103.3	101.6
85°	32.7	32.7	34.4	36.2	39.6	44.8	49.9	55.1	56.8	56.8	56.8
87.5°	5.2	5.2	6.9	6.9	8.6	10.3	13.8	17.2	18.9	18.9	18.9
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)