

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: P643242

Luminaire Tested: GWS-SA6E-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643242
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-SAGE-750-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41511.5 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

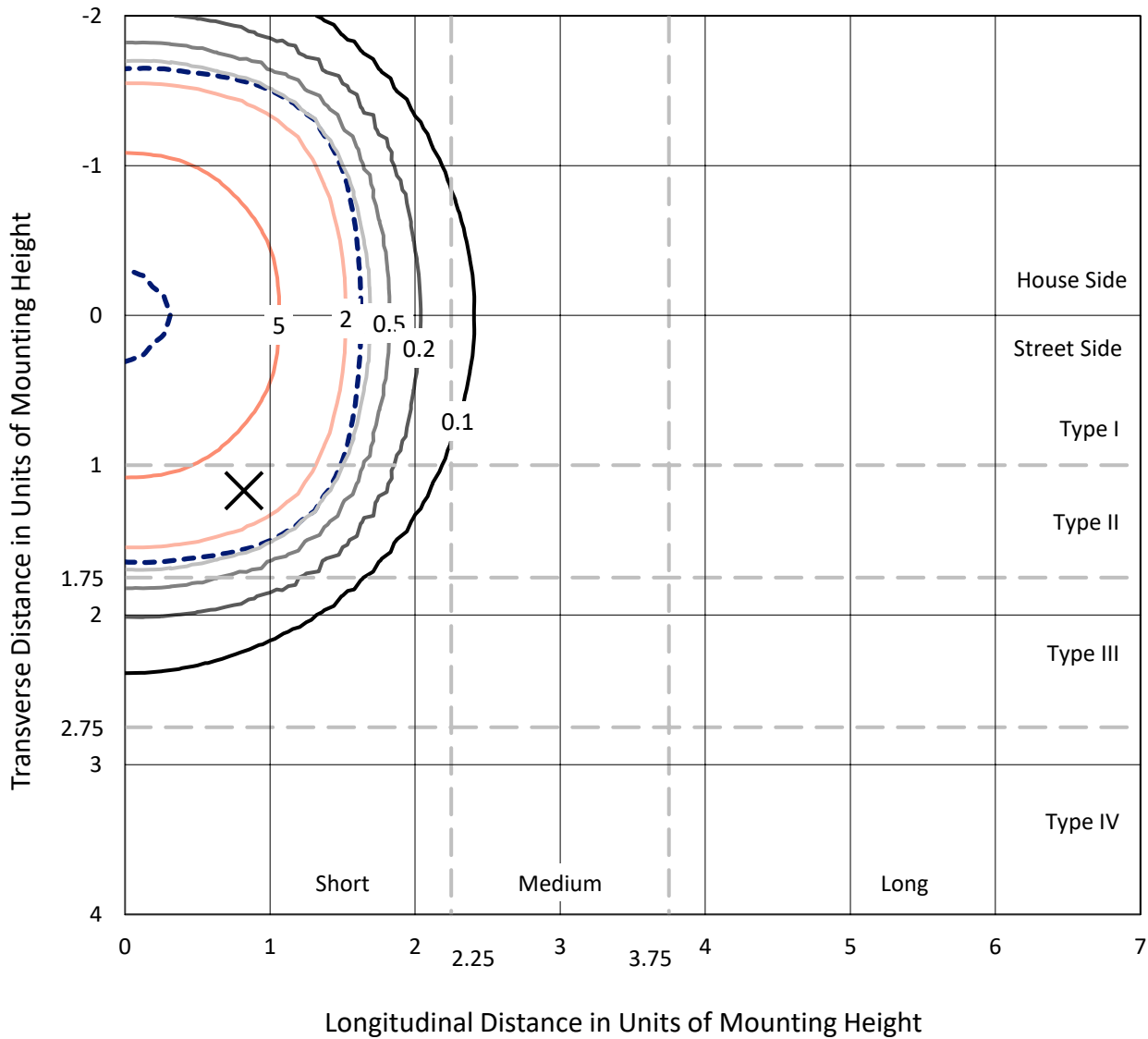
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

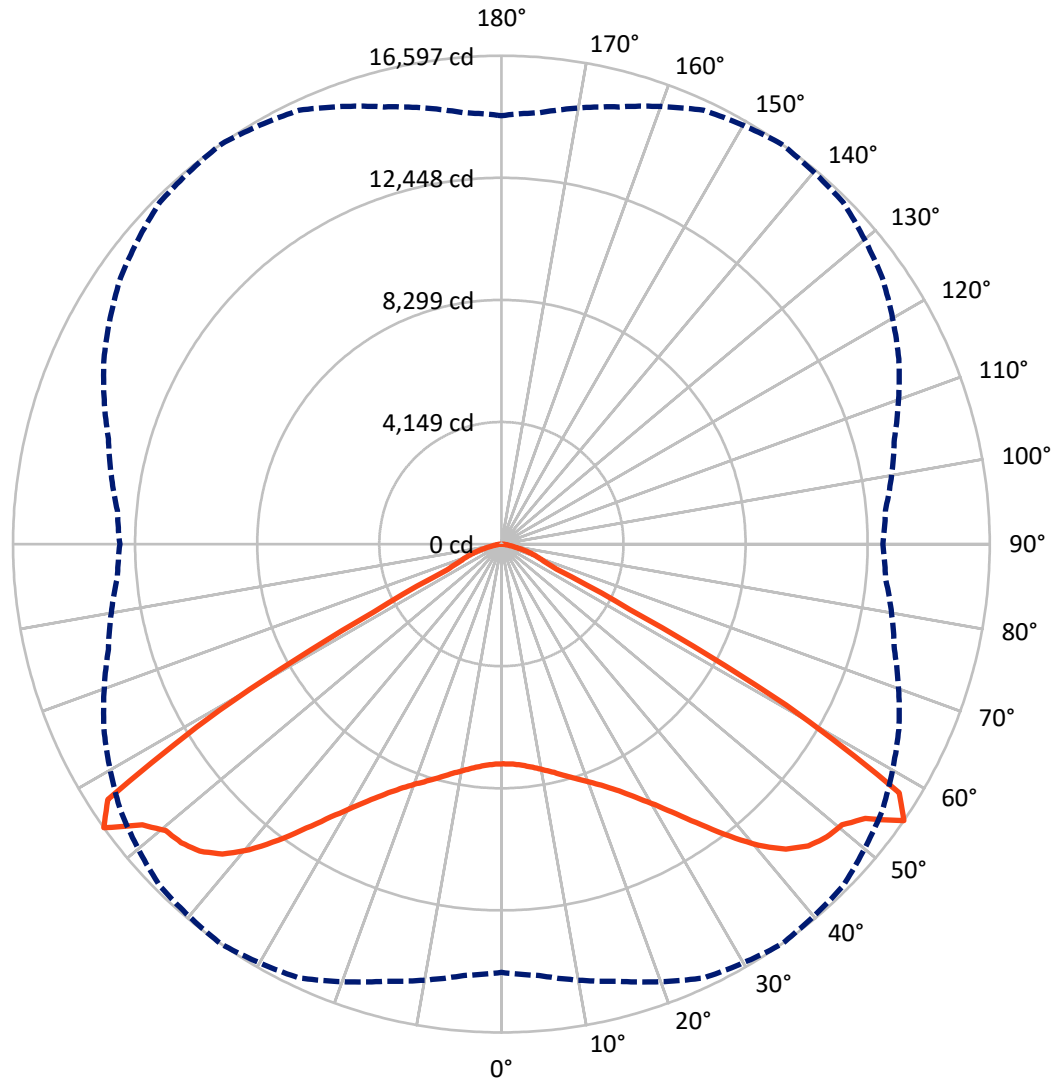
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.3 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	20755.7	0.0	20755.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20755.7	0.0	20755.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	41511.5	0.0	41511.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	728.4	1.8
10°-20°	2319.1	5.6
20°-30°	4292.2	10.3
30°-40°	7180.0	17.3
40°-50°	10941.1	26.4
50°-60°	12256.3	29.5
60°-70°	2900.0	7.0
70°-80°	781.8	1.9
80°-90°	112.5	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°	41511.5	100.0
0°-180°	41511.5	100.0

Coefficient of Utilization



REPORT NUMBER: P643242

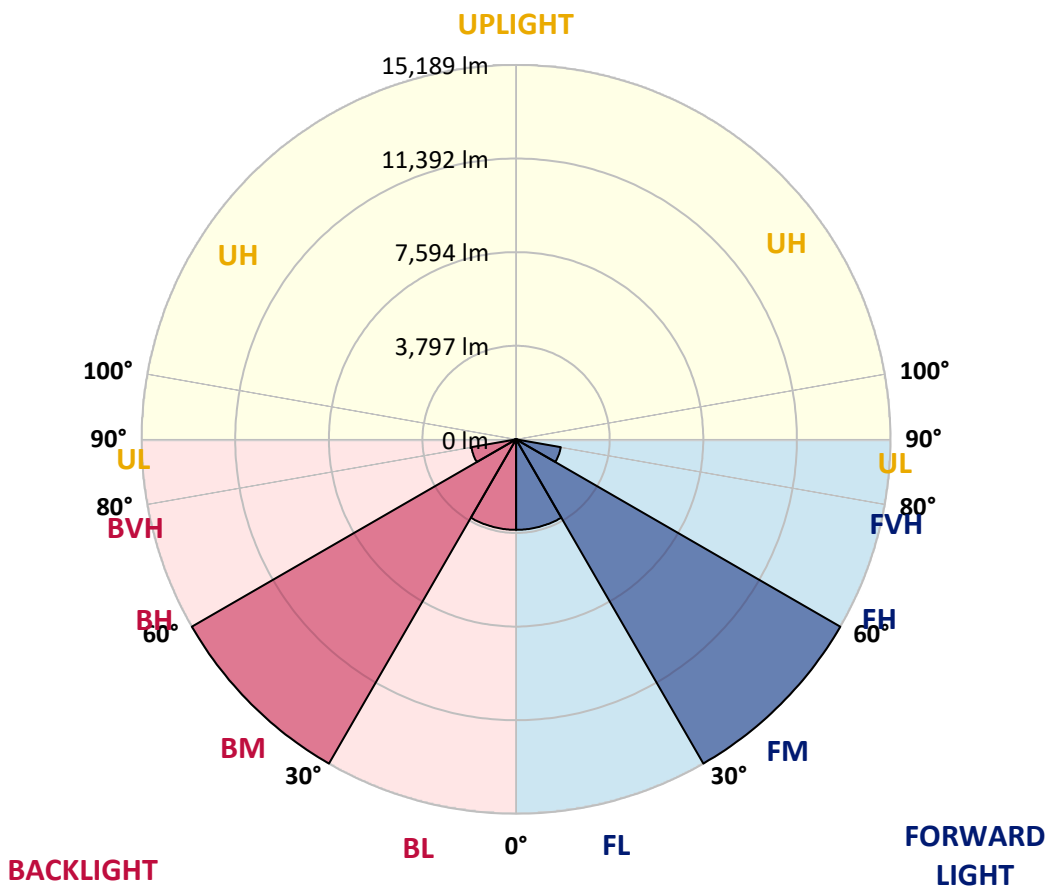
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3669.9	8.8			
FM (30°-60°)	15188.7	36.6			
FH (60°-80°)	1840.9	4.4			G2/5000
FVH (80°-90°)	56.3	0.1			G1/100
BL (0°-30°)	3669.9	8.8	B4/5000		
BM (30°-60°)	15188.7	36.6	B5		
BH (60°-80°)	1840.9	4.4	B3/2500		G2/5000
BVH (80°-90°)	56.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7468.0	7468.0	7468.0	7468.0	7468.0	7468.0	7468.0	7468.0	7468.0	7468.0	7468.0
2.5°	7451.6	7451.6	7464.7	7481.2	7484.4	7517.3	7510.7	7497.6	7491.0	7477.9	7507.4
5°	7533.7	7537.0	7546.8	7556.7	7550.1	7576.4	7566.5	7550.1	7540.2	7523.8	7553.4
7.5°	7642.0	7642.0	7651.9	7665.0	7658.4	7697.8	7678.1	7655.1	7638.7	7619.0	7645.3
10°	7740.5	7747.1	7756.9	7783.2	7796.3	7839.0	7825.8	7793.0	7766.8	7743.8	7773.3
12.5°	7888.2	7894.8	7904.6	7940.7	7963.7	8006.4	7986.7	7940.7	7901.3	7868.5	7901.3
15°	8078.6	8072.0	8098.3	8144.3	8173.8	8213.2	8190.2	8111.4	8058.9	8016.2	8049.1
17.5°	8272.3	8269.0	8295.3	8354.3	8397.0	8449.5	8410.2	8318.2	8262.4	8209.9	8242.7
20°	8482.4	8492.2	8518.5	8574.3	8636.7	8705.6	8672.8	8574.3	8511.9	8452.8	8479.1
22.5°	8741.7	8745.0	8774.5	8846.7	8928.8	8994.5	8974.8	8853.3	8774.5	8712.2	8745.0
25°	9053.6	9050.3	9089.7	9175.0	9289.9	9355.6	9312.9	9178.3	9092.9	9020.7	9047.0
27.5°	9411.4	9408.1	9467.2	9578.8	9742.9	9834.8	9746.2	9578.8	9460.6	9358.8	9381.8
30°	9861.1	9851.2	9916.9	10067.9	10281.3	10435.5	10304.2	10071.2	9916.9	9808.6	9831.5
32.5°	10360.0	10373.2	10455.2	10658.8	10927.9	11128.2	10931.2	10671.9	10465.1	10307.5	10333.8
35°	10908.2	10908.2	11075.7	11328.4	11712.5	11978.4	11673.1	11298.9	11023.1	10806.5	10813.1
37.5°	11518.8	11525.4	11745.3	12093.3	12595.5	12907.4	12493.8	12030.9	11696.1	11463.0	11449.9
40°	12264.0	12283.7	12510.2	12897.5	13462.2	13747.7	13304.6	12851.6	12510.2	12234.4	12208.2
42.5°	13104.3	13110.9	13350.5	13698.5	14174.5	14345.2	13997.2	13626.3	13347.3	13097.8	13071.5
45°	13905.3	13888.9	14095.7	14355.0	14630.8	14647.2	14453.5	14302.5	14059.6	13846.2	13806.8
47.5°	14529.0	14515.9	14703.0	14844.1	14877.0	14716.1	14778.5	14801.5	14519.2	14230.3	14154.8
50°	14909.8	14936.1	15113.3	15192.1	14998.4	14735.8	14972.2	14913.1	14509.3	14131.8	14010.4
52.5°	15139.6	15179.0	15487.5	15687.8	15487.5	15238.1	15270.9	14922.9	14341.9	13842.9	13685.4
55°	14558.6	14716.1	15382.5	16268.8	16597.1	16423.1	15799.4	14903.2	13826.5	13101.1	12966.5
57.5°	10790.1	11039.6	12027.6	13948.0	15943.8	16577.4	14755.5	12493.8	10862.3	9930.0	9851.2
60°	5508.3	5787.3	6578.4	8551.3	11118.3	12011.2	10278.0	7999.8	6358.5	5603.5	5518.1
62.5°	2248.6	2294.6	2553.9	3315.5	4914.1	5669.1	4979.8	3496.0	2626.1	2419.3	2422.6
65°	1769.3	1779.2	1766.1	1812.0	2058.2	2284.7	2110.7	1854.7	1808.7	1831.7	1815.3
67.5°	1542.8	1546.1	1536.3	1536.3	1546.1	1536.3	1556.0	1565.8	1572.4	1598.7	1582.2
70°	1290.1	1293.4	1293.4	1299.9	1296.6	1280.2	1309.8	1322.9	1326.2	1342.6	1332.8
72.5°	997.9	1007.8	1014.3	1017.6	1014.3	1004.5	1020.9	1043.9	1040.6	1057.0	1040.6
75°	676.2	689.4	695.9	709.1	705.8	705.8	725.5	735.3	725.5	738.6	725.5
77.5°	384.1	393.9	413.6	426.7	439.9	449.7	462.9	469.4	466.1	472.7	466.1
80°	223.2	226.5	242.9	249.5	265.9	282.3	295.4	302.0	305.3	308.6	305.3
82.5°	128.0	131.3	137.9	144.4	157.6	170.7	183.8	193.7	193.7	197.0	193.7
85°	62.4	62.4	65.7	68.9	75.5	85.3	95.2	105.0	108.3	108.3	108.3
87.5°	9.8	9.8	13.1	13.1	16.4	19.7	26.3	32.8	36.1	36.1	36.1
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)