

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: P643294

Luminaire Tested: GWS-SA6E-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39543.9 lumens
Efficiency: N/A
Efficacy: 122.1 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

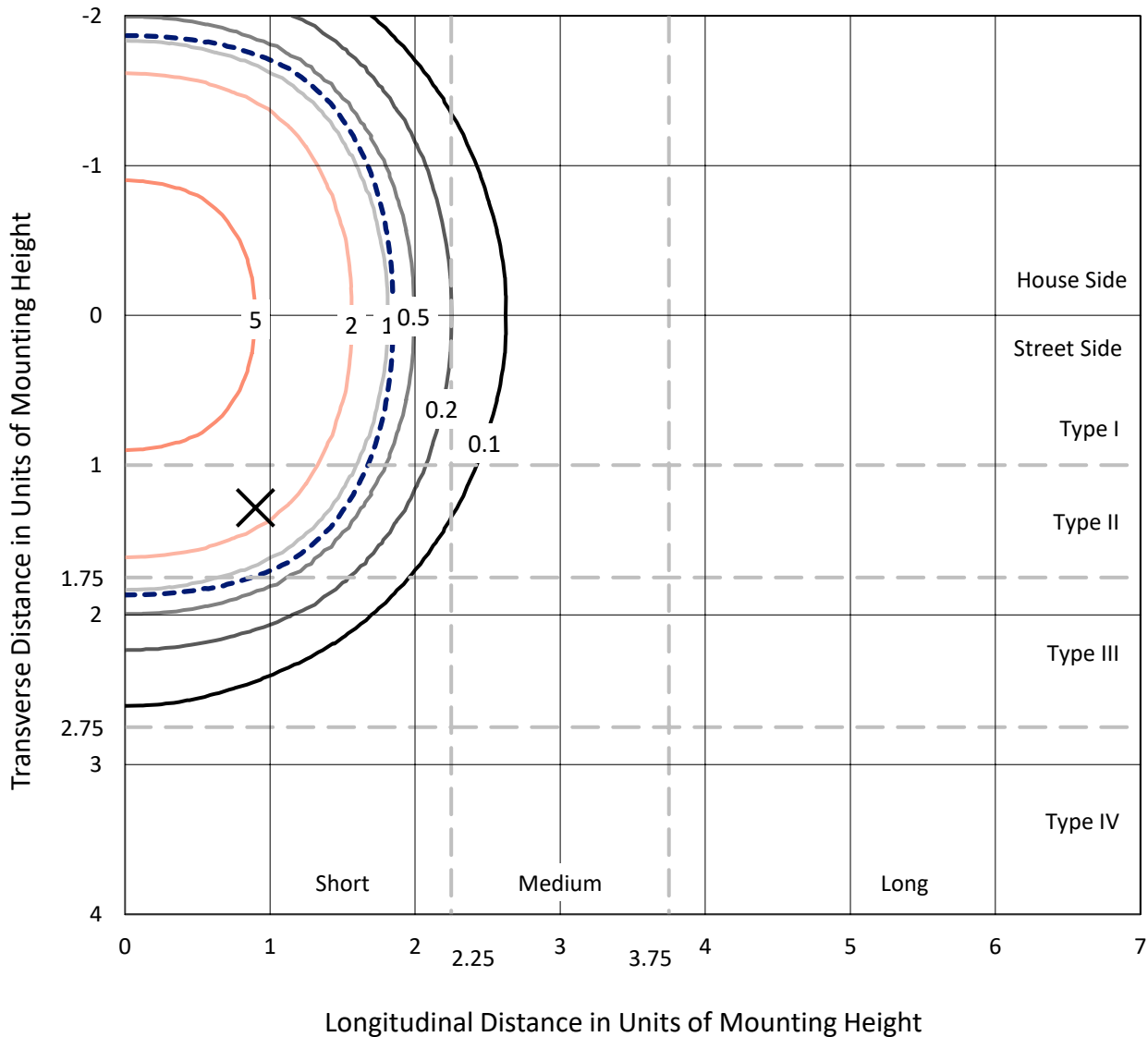


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Iso-Footcandle Lines of Horizontal Illumination

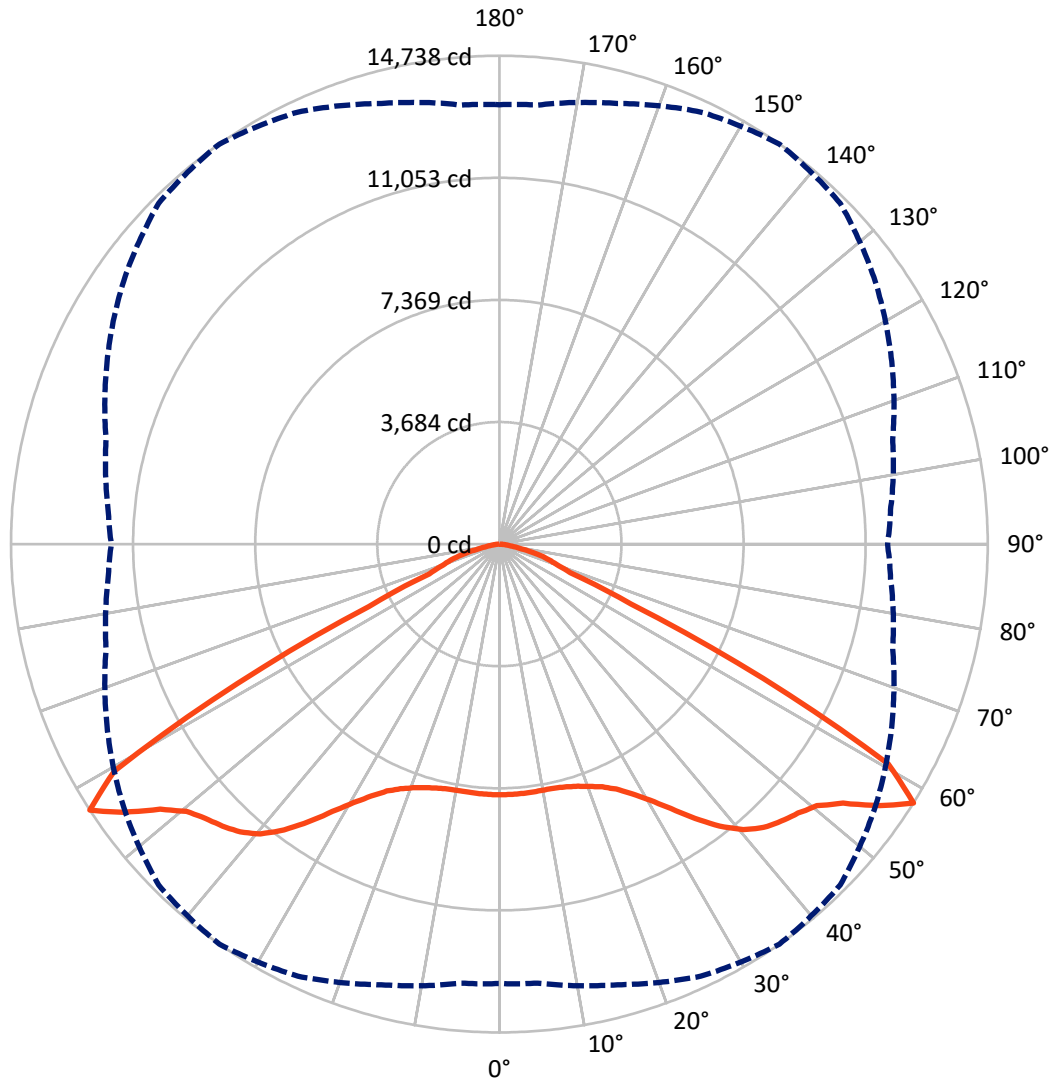
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.4 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	19772.0	0.0	19772.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19772.0	0.0	19772.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39543.9	0.0	39543.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	719.8	1.8
10°-20°	2147.5	5.4
20°-30°	3747.0	9.5
30°-40°	6144.3	15.5
40°-50°	9049.1	22.9
50°-60°	11548.3	29.2
60°-70°	4866.9	12.3
70°-80°	1162.6	2.9
80°-90°	158.2	0.4
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°	39543.9	100.0
0°-180°	39543.9	100.0

Coefficient of Utilization



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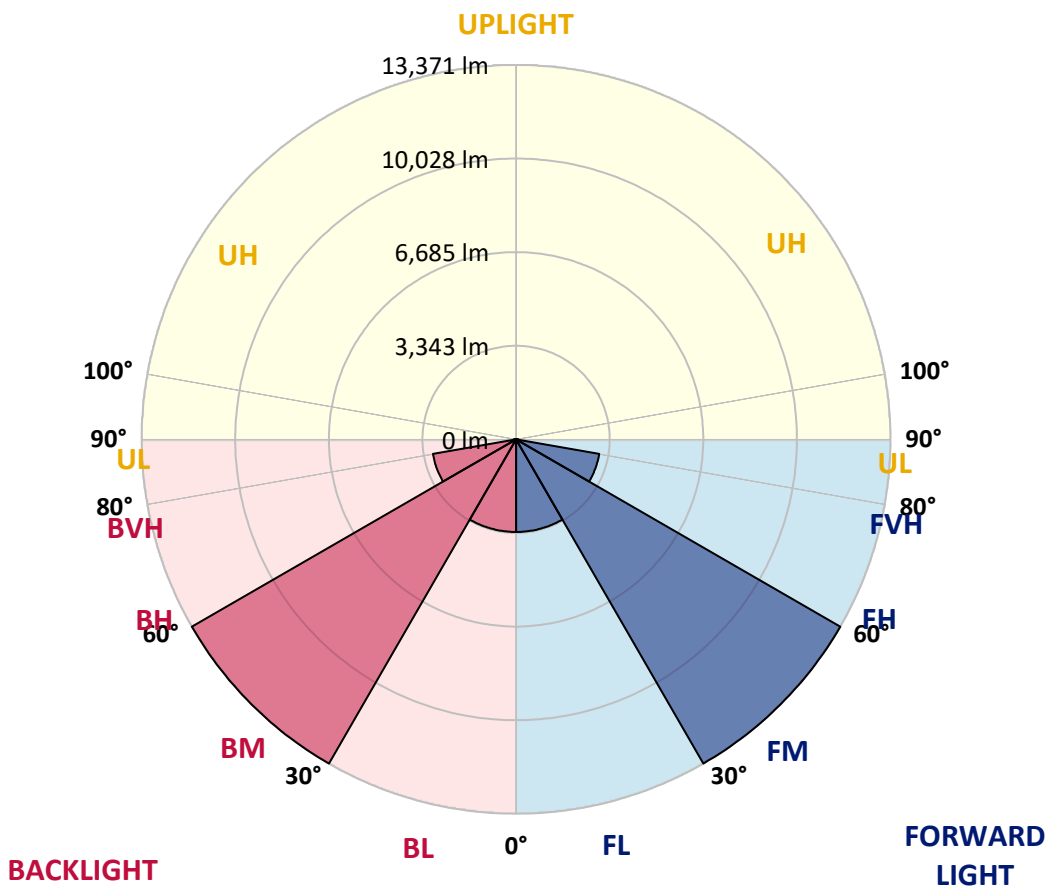
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3307.2	8.4			
FM (30°-60°)	13370.9	33.8			
FH (60°-80°)	3014.8	7.6			G2/5000
FVH (80°-90°)	79.1	0.2			G1/100
BL (0°-30°)	3307.2	8.4	B4/5000		
BM (30°-60°)	13370.9	33.8	B5		
BH (60°-80°)	3014.8	7.6	B4/5000		G2/5000
BVH (80°-90°)	79.1	0.2			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°	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3
2.5°	7520.9	7520.9	7537.1	7553.3	7559.8	7588.9	7585.7	7576.0	7569.5	7550.1	7576.0
5°	7537.1	7537.1	7550.1	7559.8	7556.6	7579.2	7569.5	7553.3	7543.6	7524.2	7553.3
7.5°	7533.9	7533.9	7543.6	7553.3	7546.8	7566.3	7550.1	7527.4	7511.2	7491.8	7517.7
10°	7491.8	7498.3	7508.0	7530.7	7540.4	7569.5	7546.8	7511.2	7485.3	7462.7	7488.6
12.5°	7485.3	7491.8	7504.8	7533.9	7550.1	7592.2	7563.0	7504.8	7465.9	7436.8	7462.7
15°	7514.5	7520.9	7540.4	7576.0	7601.9	7647.2	7605.1	7524.2	7469.1	7430.3	7453.0
17.5°	7550.1	7559.8	7588.9	7640.7	7682.8	7731.4	7679.6	7582.5	7504.8	7453.0	7472.4
20°	7588.9	7601.9	7647.2	7724.9	7802.6	7864.1	7799.4	7669.9	7576.0	7508.0	7527.4
22.5°	7656.9	7673.1	7731.4	7841.5	7958.0	8048.7	7967.7	7792.9	7669.9	7582.5	7598.6
25°	7796.1	7815.6	7890.0	8022.8	8187.9	8298.0	8184.7	7987.2	7815.6	7708.7	7724.9
27.5°	8042.2	8051.9	8149.0	8323.9	8527.8	8654.1	8518.1	8285.0	8094.0	7971.0	7983.9
30°	8366.0	8395.1	8492.2	8722.1	8964.9	9133.3	8955.2	8680.0	8459.9	8310.9	8323.9
32.5°	8760.9	8780.4	8926.1	9165.6	9515.3	9709.6	9466.7	9139.7	8874.3	8693.0	8705.9
35°	9279.0	9295.2	9434.4	9738.7	10162.8	10344.1	10065.7	9690.1	9382.6	9211.0	9259.5
37.5°	9897.3	9926.5	10026.8	10327.9	10800.6	10978.7	10658.2	10308.5	9988.0	9829.4	9865.0
40°	10561.1	10557.8	10638.8	10904.2	11334.8	11444.9	11156.8	10878.3	10603.1	10499.5	10557.8
42.5°	11130.9	11114.7	11173.0	11393.1	11691.0	11700.7	11509.7	11354.3	11160.0	11088.8	11143.8
45°	11529.1	11535.6	11623.0	11775.2	11927.3	11846.4	11788.1	11762.2	11610.0	11512.9	11522.6
47.5°	11843.1	11869.0	12008.3	12111.9	12131.3	11995.3	12076.3	12115.1	11988.8	11839.9	11797.8
50°	12121.6	12163.7	12345.0	12455.0	12413.0	12241.4	12400.0	12458.3	12179.9	11894.9	11810.8
52.5°	12626.6	12675.2	12895.4	13037.8	12989.3	12817.7	12966.6	12759.4	12289.9	11940.3	11833.4
55°	13432.8	13455.5	13724.2	13957.3	13934.6	13724.2	13604.4	13144.7	12574.8	12212.2	12111.9
57.5°	13261.2	13300.1	13766.3	14387.9	14737.6	14546.5	13844.0	13060.5	12286.7	11849.6	11713.6
60°	10434.8	10528.7	11108.2	12202.5	13484.6	13481.4	12176.6	10959.3	10026.8	9447.3	9389.0
62.5°	6093.2	6157.9	6685.6	7792.9	8942.3	9013.5	8097.2	7261.9	6446.1	6054.3	5866.5
65°	2884.7	2881.5	3091.9	3590.5	4367.5	4429.0	4153.8	3697.3	3214.9	3082.2	3046.6
67.5°	2130.3	2130.3	2114.2	2149.8	2298.7	2331.1	2298.7	2224.2	2178.9	2208.0	2188.6
70°	1848.7	1851.9	1832.5	1822.8	1822.8	1813.1	1826.0	1855.1	1874.6	1913.4	1894.0
72.5°	1499.0	1502.2	1502.2	1505.5	1508.7	1495.8	1515.2	1531.4	1534.6	1547.6	1534.6
75°	1065.2	1071.6	1091.1	1107.3	1120.2	1120.2	1126.7	1129.9	1117.0	1133.2	1107.3
77.5°	586.0	592.5	628.1	657.2	686.4	689.6	699.3	705.8	699.3	712.3	692.8
80°	323.8	330.2	346.4	359.4	382.0	401.5	414.4	420.9	420.9	430.6	420.9
82.5°	184.5	191.0	200.7	207.2	226.6	242.8	255.8	265.5	265.5	268.7	262.2
85°	87.4	87.4	93.9	100.4	110.1	116.6	132.7	142.5	142.5	148.9	142.5
87.5°	13.0	16.2	19.4	19.4	25.9	32.4	38.9	42.1	48.6	51.8	51.8
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)