

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: P641698

Luminaire Tested: GWS-SA6B-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641698
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-SA6B-740-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12936.2 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 138.9
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

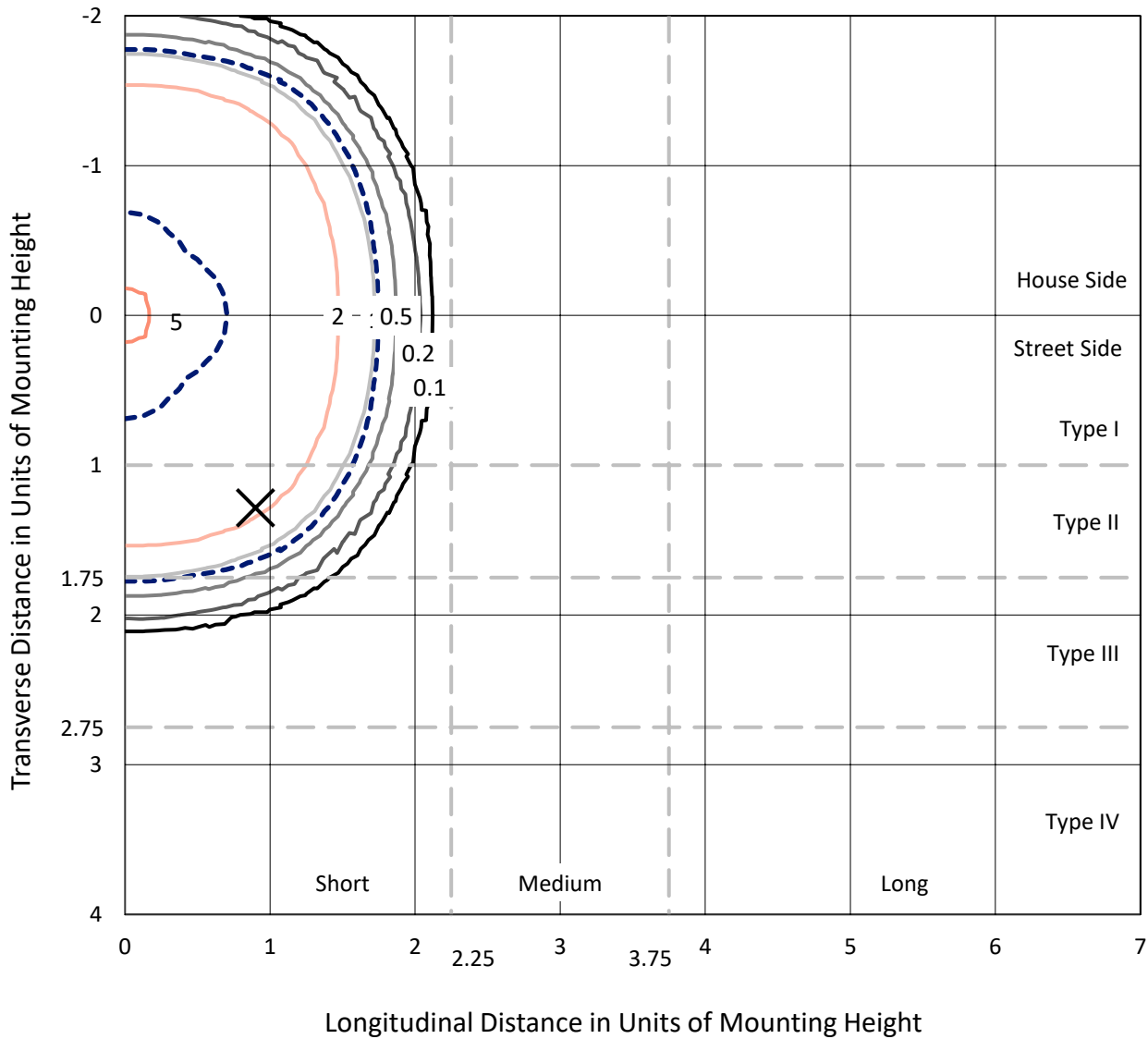


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Iso-Footcandle Lines of Horizontal Illumination

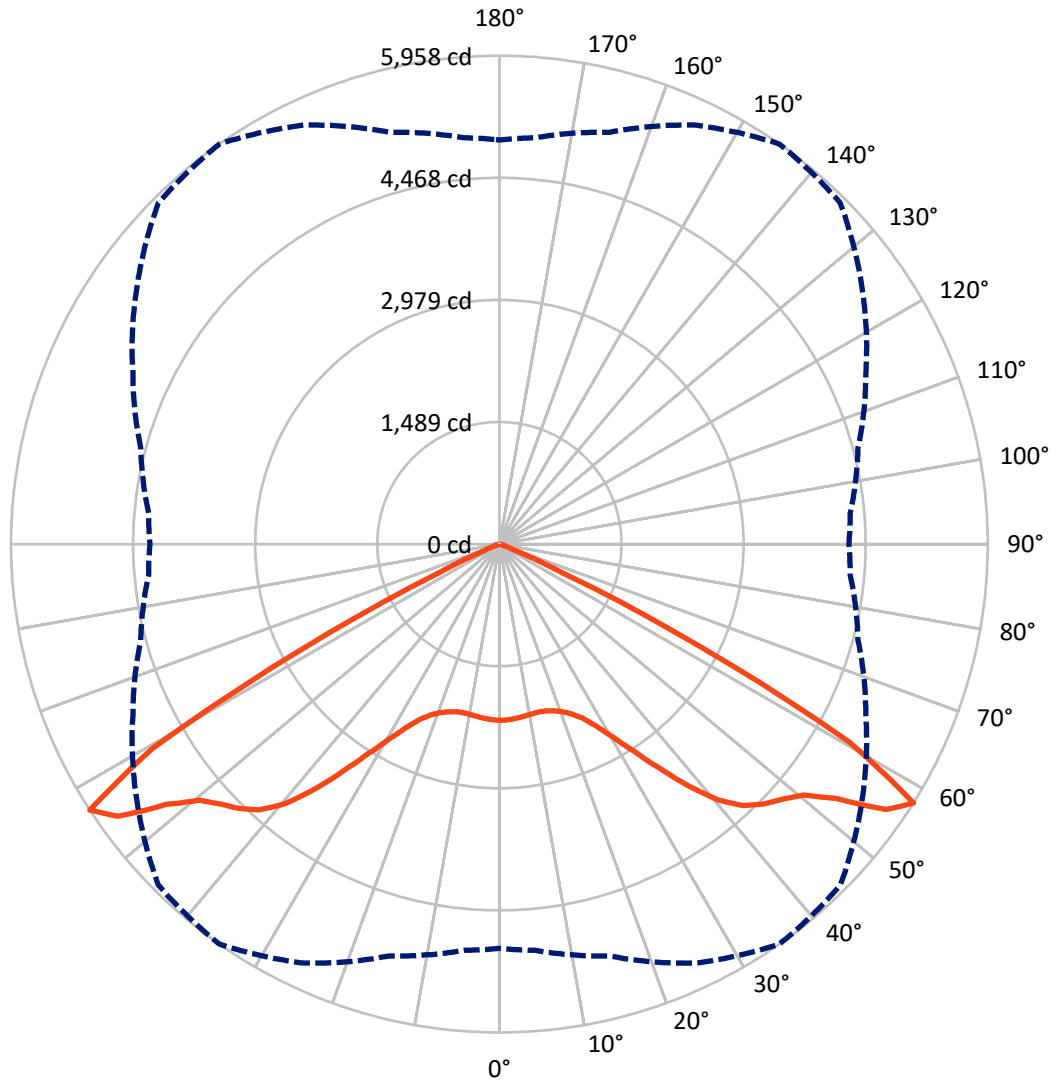
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.4 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	6468.1	0.0	6468.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6468.1	0.0	6468.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	12936.2	0.0	12936.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.6	1.6
10°-20°	596.1	4.6
20°-30°	1077.4	8.3
30°-40°	2010.0	15.5
40°-50°	3371.8	26.1
50°-60°	4452.9	34.4
60°-70°	1182.6	9.1
70°-80°	42.0	0.3
80°-90°	0.7	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°	12936.2	100.0
0°-180°	12936.2	100.0

Coefficient of Utilization



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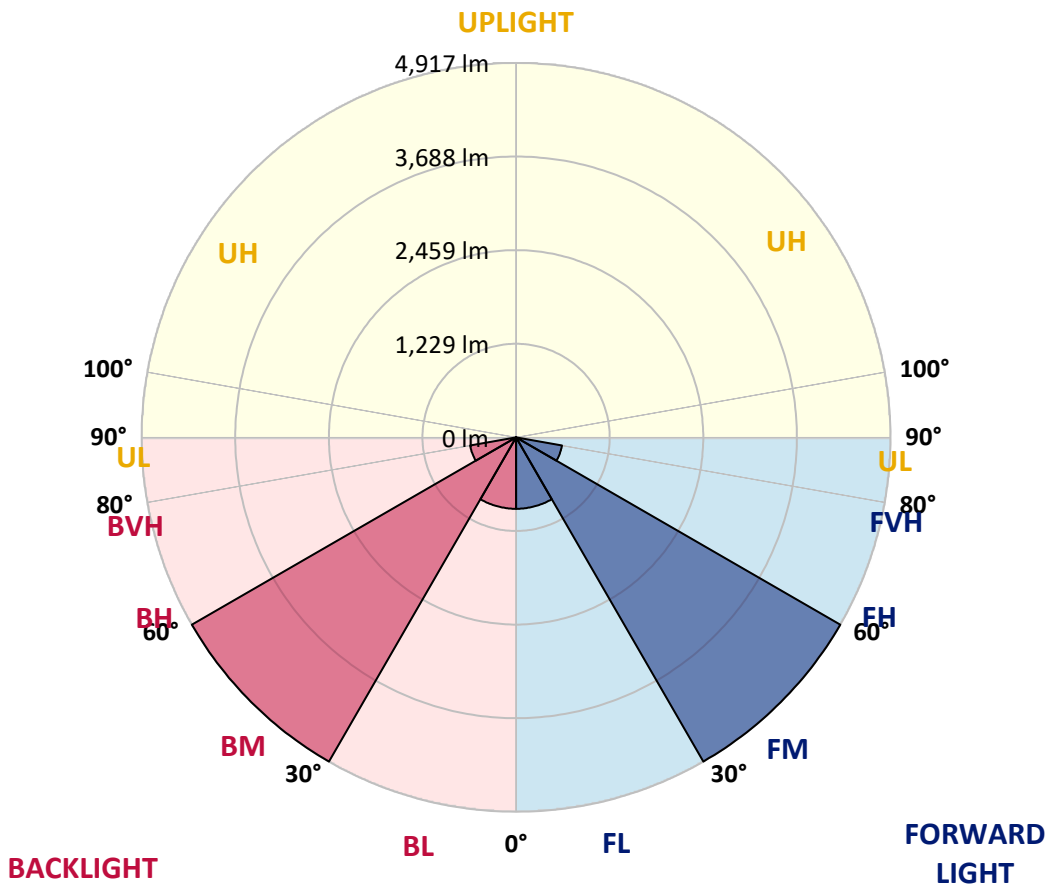
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	938.1	7.3			
FM (30°-60°)	4917.4	38.0			
FH (60°-80°)	612.3	4.7			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	938.1	7.3	B2/1000		
BM (30°-60°)	4917.4	38.0	B3/5000		
BH (60°-80°)	612.3	4.7	B2/1000		G0/660
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2150.8	2150.8	2150.8	2150.8	2150.8	2150.8	2150.8	2150.8	2150.8	2150.8	2150.8
2.5°	2135.6	2134.1	2140.1	2144.7	2144.7	2155.3	2152.3	2149.2	2146.2	2141.7	2152.3
5°	2132.5	2131.0	2135.6	2138.6	2135.6	2144.7	2138.6	2132.5	2129.5	2123.4	2135.6
7.5°	2118.9	2120.4	2123.4	2126.5	2121.9	2129.5	2121.9	2112.8	2105.2	2099.2	2109.8
10°	2097.6	2099.2	2102.2	2108.3	2109.8	2120.4	2109.8	2093.1	2082.5	2073.4	2084.0
12.5°	2087.0	2088.5	2093.1	2100.7	2102.2	2115.8	2102.2	2077.9	2062.7	2052.1	2062.7
15°	2090.0	2093.1	2099.2	2108.3	2111.3	2125.0	2106.7	2074.9	2053.6	2040.0	2049.1
17.5°	2100.7	2103.7	2112.8	2128.0	2138.6	2152.3	2129.5	2088.5	2059.7	2040.0	2049.1
20°	2114.3	2118.9	2134.1	2158.3	2181.1	2205.4	2176.6	2120.4	2082.5	2058.2	2065.8
22.5°	2152.3	2156.8	2178.1	2210.0	2247.9	2278.3	2243.3	2172.0	2120.4	2088.5	2096.1
25°	2229.7	2234.2	2261.6	2302.5	2351.1	2390.6	2346.6	2257.0	2190.2	2153.8	2156.8
27.5°	2351.1	2355.7	2387.5	2445.2	2510.5	2566.6	2502.9	2398.2	2322.3	2279.8	2279.8
30°	2504.4	2510.5	2553.0	2630.4	2732.1	2806.5	2719.9	2592.4	2495.3	2437.6	2439.1
32.5°	2701.7	2695.7	2756.4	2862.6	3006.8	3105.5	2978.0	2823.2	2703.2	2622.8	2630.4
35°	2955.2	2953.7	3022.0	3166.2	3354.4	3472.8	3321.0	3120.7	2976.5	2894.5	2896.0
37.5°	3281.5	3280.0	3358.9	3515.3	3741.4	3840.1	3670.1	3466.7	3311.9	3233.0	3242.1
40°	3664.0	3654.9	3724.7	3875.0	4101.2	4164.9	3979.7	3815.8	3667.1	3617.0	3641.3
42.5°	4028.3	4008.6	4049.6	4186.2	4360.7	4369.8	4230.2	4117.9	4016.2	3976.7	3991.9
45°	4321.3	4306.1	4344.0	4422.9	4523.1	4477.6	4410.8	4375.9	4293.9	4251.4	4265.1
47.5°	4539.8	4539.8	4585.4	4633.9	4649.1	4565.6	4576.2	4576.2	4494.3	4427.5	4410.8
50°	4728.0	4741.7	4810.0	4860.1	4810.0	4703.7	4764.5	4752.3	4585.4	4451.8	4416.9
52.5°	5028.6	5042.2	5146.9	5215.3	5159.1	5054.4	5062.0	4910.2	4664.3	4506.4	4451.8
55°	5347.3	5380.7	5532.5	5714.6	5716.1	5608.4	5408.0	5139.4	4840.3	4668.8	4612.7
57.5°	4929.9	4975.4	5201.6	5640.2	5957.5	5883.1	5405.0	4932.9	4529.2	4295.4	4263.6
60°	3392.3	3471.3	3697.4	4297.0	4908.6	4937.5	4372.9	3843.1	3380.2	3091.8	3097.9
62.5°	1432.8	1513.3	1640.8	2134.1	2695.7	2730.6	2457.4	2077.9	1700.0	1492.0	1523.9
65°	337.0	359.7	397.7	590.4	856.1	895.5	825.7	643.6	475.1	402.2	409.8
67.5°	147.2	150.3	142.7	151.8	188.2	192.8	186.7	163.9	154.8	157.9	157.9
70°	103.2	104.7	98.7	94.1	89.6	83.5	86.5	95.6	103.2	109.3	107.8
72.5°	63.7	65.3	66.8	66.8	62.2	56.2	59.2	65.3	66.8	68.3	66.8
75°	31.9	33.4	36.4	37.9	36.4	34.9	34.9	36.4	36.4	34.9	34.9
77.5°	6.1	7.6	10.6	12.1	12.1	12.1	12.1	12.1	13.7	12.1	12.1
80°	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0
82.5°	1.5	1.5	1.5	1.5	0.0	0.0	1.5	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
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)