

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: P635868

Luminaire Tested: GWS-SA3E-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635868
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-SA3E-760-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13556.1 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

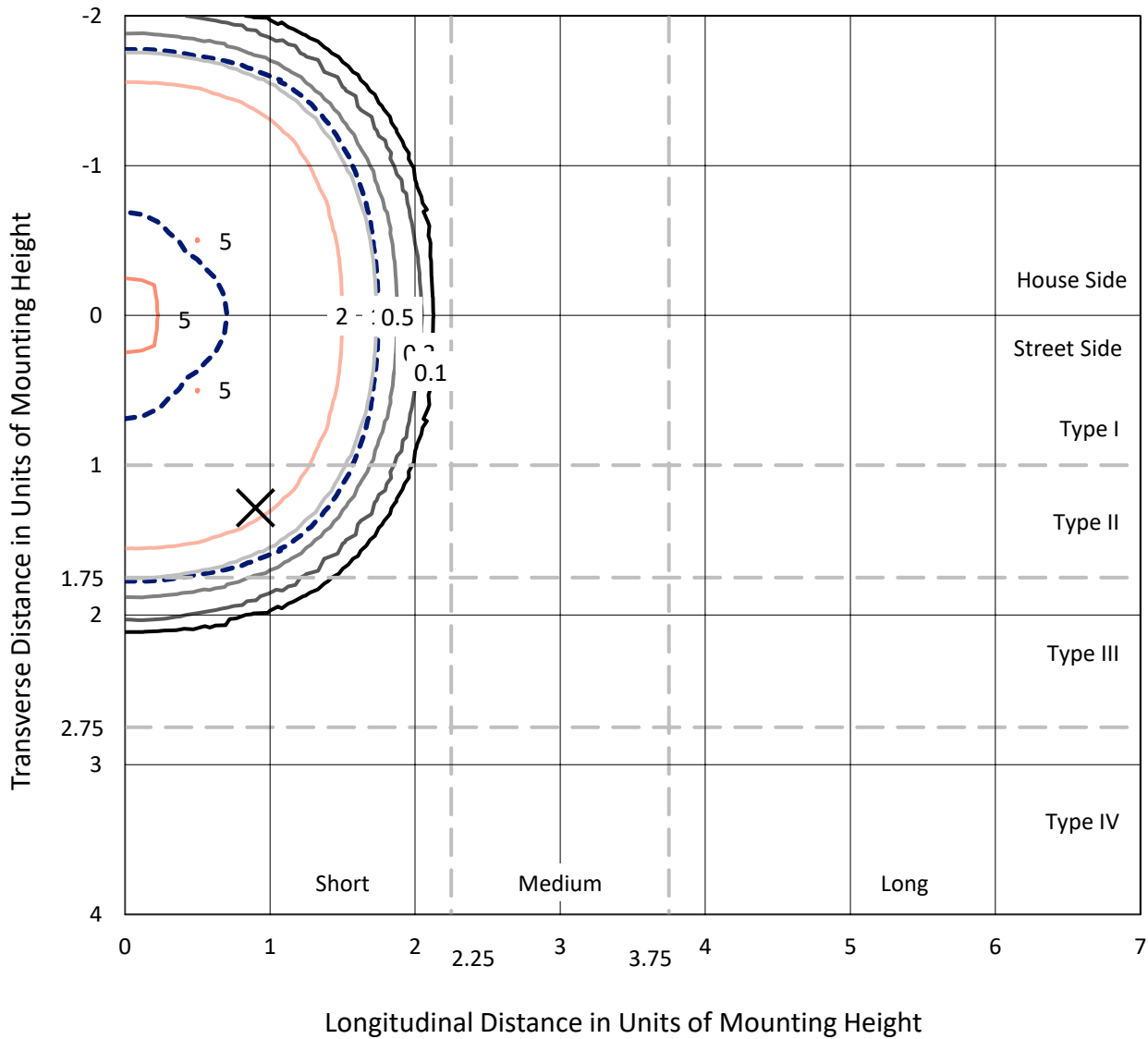
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

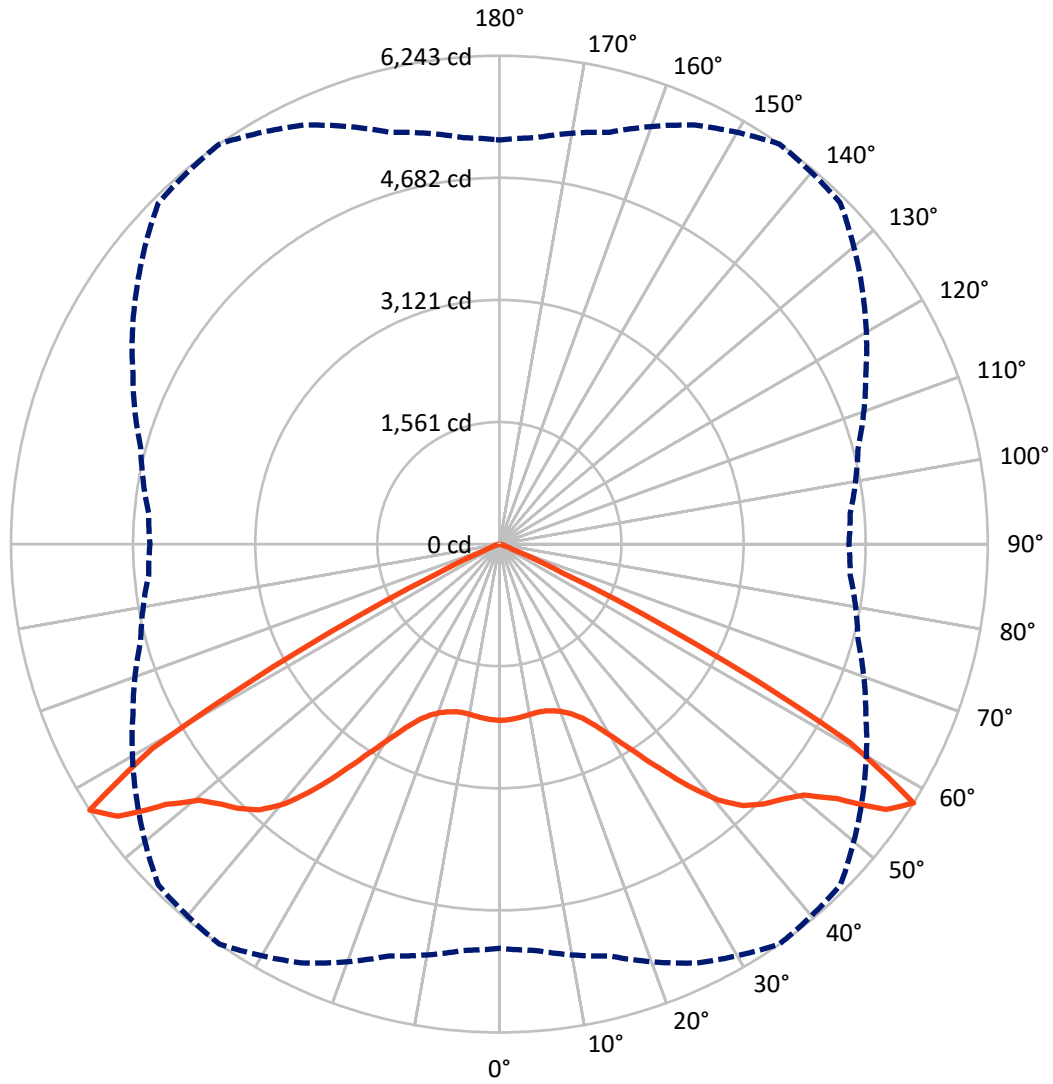
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

REPORT NUMBER: P635868
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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	6778.1	0.0	6778.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6778.1	0.0	6778.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	13556.1	0.0	13556.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.3	1.6
10°-20°	624.6	4.6
20°-30°	1129.1	8.3
30°-40°	2106.3	15.5
40°-50°	3533.4	26.1
50°-60°	4666.2	34.4
60°-70°	1239.2	9.1
70°-80°	44.0	0.3
80°-90°	0.8	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°	13556.1	100.0
0°-180°	13556.1	100.0

Coefficient of Utilization



REPORT NUMBER: P635868

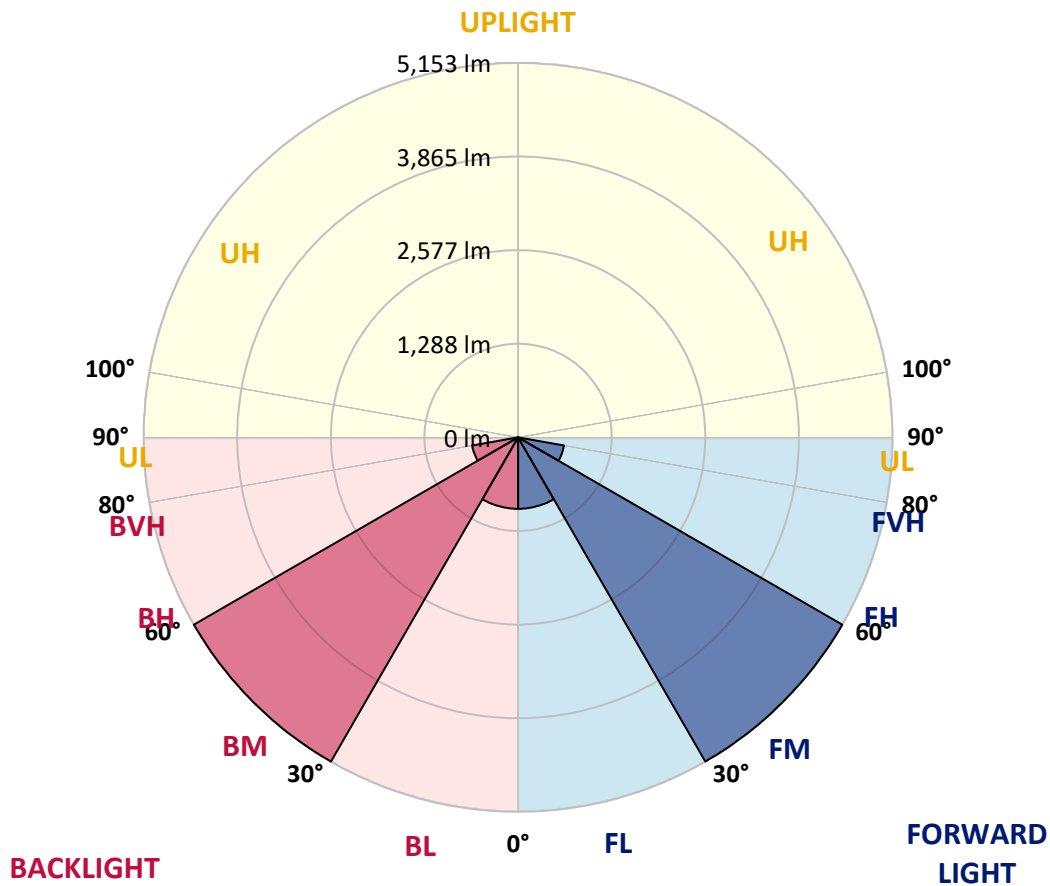
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	983.0	7.3			
FM (30°-60°)	5153.0	38.0			
FH (60°-80°)	641.6	4.7			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	983.0	7.3	B2/1000		
BM (30°-60°)	5153.0	38.0	B4/8500		
BH (60°-80°)	641.6	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: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2253.8	2253.8	2253.8	2253.8	2253.8	2253.8	2253.8	2253.8	2253.8	2253.8	2253.8
2.5°	2237.9	2236.3	2242.7	2247.5	2247.5	2258.6	2255.4	2252.2	2249.1	2244.3	2255.4
5°	2234.7	2233.1	2237.9	2241.1	2237.9	2247.5	2241.1	2234.7	2231.6	2225.2	2237.9
7.5°	2220.4	2222.0	2225.2	2228.4	2223.6	2231.6	2223.6	2214.1	2206.1	2199.7	2210.9
10°	2198.2	2199.7	2202.9	2209.3	2210.9	2222.0	2210.9	2193.4	2182.2	2172.7	2183.8
12.5°	2187.0	2188.6	2193.4	2201.3	2202.9	2217.2	2202.9	2177.5	2161.6	2150.4	2161.6
15°	2190.2	2193.4	2199.7	2209.3	2212.5	2226.8	2207.7	2174.3	2152.0	2137.7	2147.3
17.5°	2201.3	2204.5	2214.1	2230.0	2241.1	2255.4	2231.6	2188.6	2158.4	2137.7	2147.3
20°	2215.7	2220.4	2236.3	2261.8	2285.6	2311.1	2280.9	2222.0	2182.2	2156.8	2164.8
22.5°	2255.4	2260.2	2282.5	2315.9	2355.6	2387.4	2350.8	2276.1	2222.0	2188.6	2196.6
25°	2336.5	2341.3	2369.9	2412.9	2463.8	2505.1	2459.0	2365.2	2295.2	2257.0	2260.2
27.5°	2463.8	2468.5	2502.0	2562.4	2630.8	2689.6	2622.8	2513.1	2433.6	2389.0	2389.0
30°	2624.4	2630.8	2675.3	2756.4	2863.0	2940.9	2850.3	2716.7	2614.9	2554.4	2556.0
32.5°	2831.2	2824.8	2888.5	2999.8	3150.9	3254.3	3120.7	2958.4	2832.8	2748.5	2756.4
35°	3096.8	3095.2	3166.8	3317.9	3515.1	3639.2	3480.1	3270.2	3119.1	3033.2	3034.8
37.5°	3438.8	3437.2	3519.9	3683.7	3920.7	4024.1	3846.0	3632.8	3470.6	3387.9	3397.4
40°	3839.6	3830.1	3903.2	4060.7	4297.7	4364.5	4170.4	3998.7	3842.8	3790.3	3815.8
42.5°	4221.3	4200.7	4243.6	4386.8	4569.7	4579.2	4432.9	4315.2	4208.6	4167.3	4183.2
45°	4528.3	4512.4	4552.2	4634.9	4739.9	4692.2	4622.2	4585.6	4499.7	4455.2	4469.5
47.5°	4757.4	4757.4	4805.1	4856.0	4871.9	4784.4	4795.5	4795.5	4709.6	4639.7	4622.2
50°	4954.6	4968.9	5040.5	5093.0	5040.5	4929.1	4992.8	4980.0	4805.1	4665.1	4628.5
52.5°	5269.5	5283.8	5393.6	5465.2	5406.3	5296.6	5304.5	5145.5	4887.8	4722.4	4665.1
55°	5603.5	5638.5	5797.6	5988.5	5990.0	5877.1	5667.2	5385.6	5072.3	4892.6	4833.7
57.5°	5166.1	5213.9	5450.8	5910.5	6242.9	6165.0	5664.0	5169.3	4746.2	4501.3	4467.9
60°	3554.9	3637.6	3874.6	4502.9	5143.9	5174.1	4582.4	4027.3	3542.2	3240.0	3246.3
62.5°	1501.5	1585.8	1719.4	2236.3	2824.8	2861.4	2575.1	2177.5	1781.4	1563.5	1596.9
65°	353.1	377.0	416.7	618.7	897.1	938.4	865.3	674.4	497.8	421.5	429.5
67.5°	154.3	157.5	149.5	159.1	197.2	202.0	195.6	171.8	162.2	165.4	165.4
70°	108.2	109.7	103.4	98.6	93.8	87.5	90.7	100.2	108.2	114.5	112.9
72.5°	66.8	68.4	70.0	70.0	65.2	58.9	62.0	68.4	70.0	71.6	70.0
75°	33.4	35.0	38.2	39.8	38.2	36.6	36.6	38.2	38.2	36.6	36.6
77.5°	6.4	8.0	11.1	12.7	12.7	12.7	12.7	12.7	14.3	12.7	12.7
80°	1.6	1.6	3.2	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
82.5°	1.6	1.6	1.6	1.6	0.0	0.0	1.6	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
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)