

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: P635813

Luminaire Tested: GWS-SA3E-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635813
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13744.5 lumens
Efficiency: N/A
Efficacy: 86.3 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

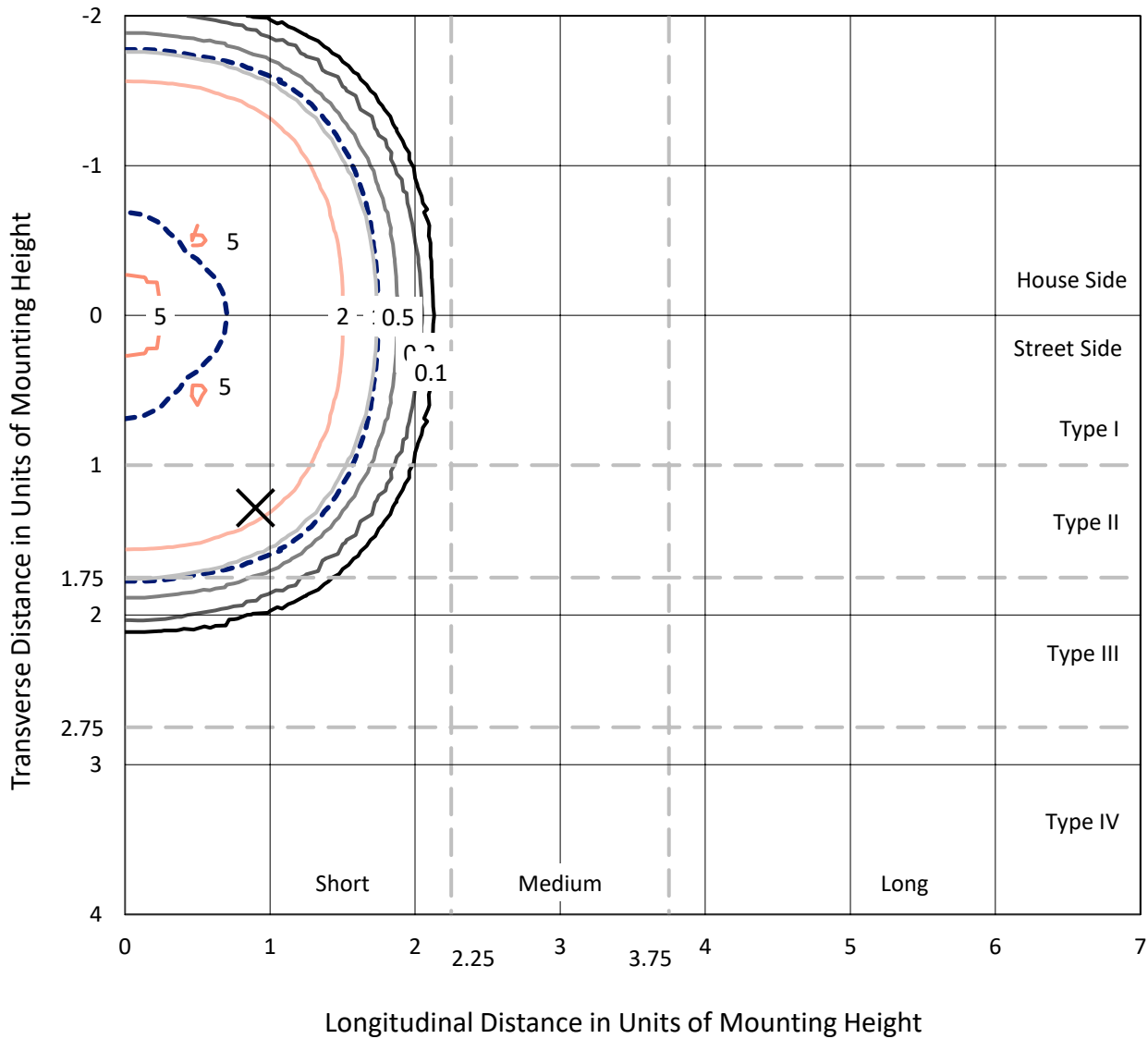


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Iso-Footcandle Lines of Horizontal Illumination

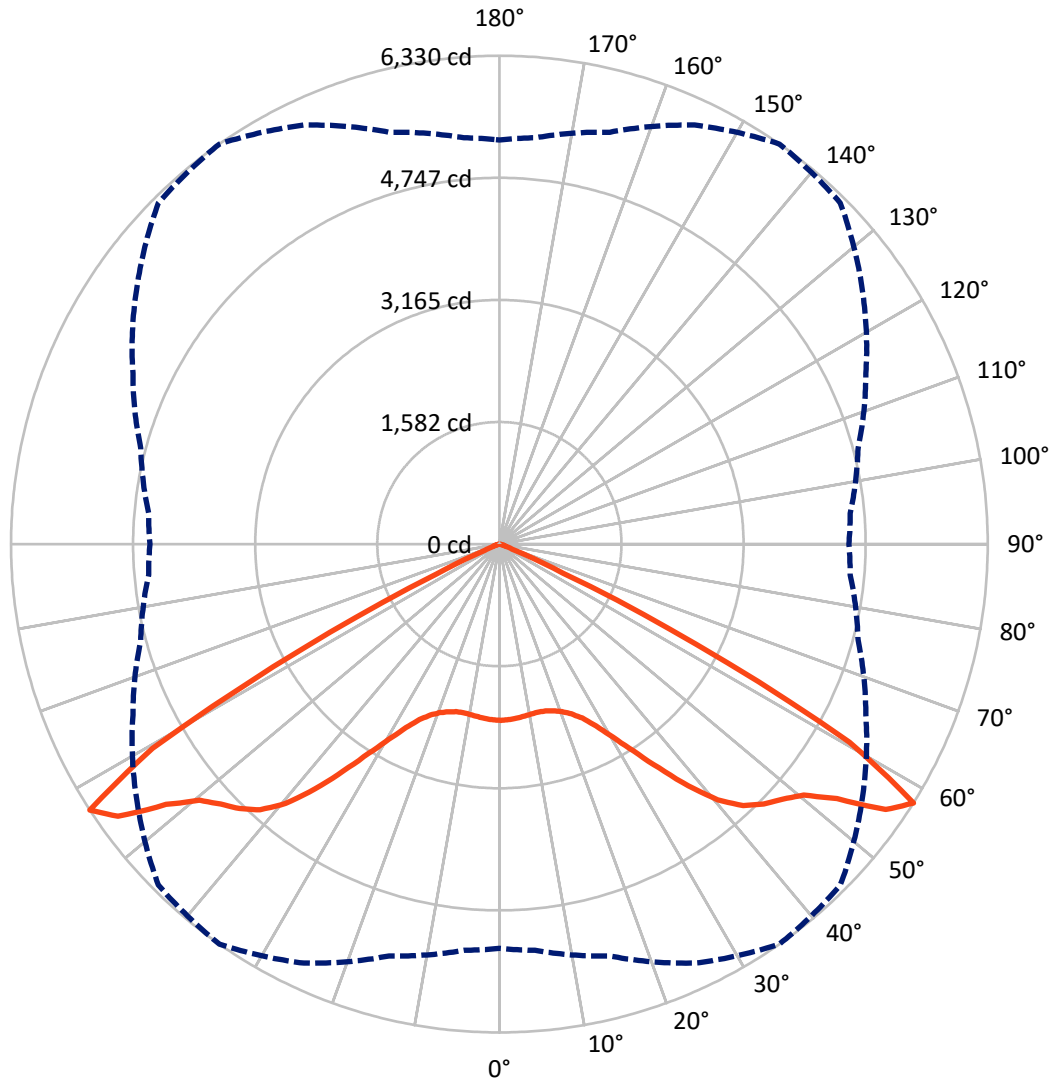
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 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	6872.3	0.0	6872.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6872.3	0.0	6872.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	13744.5	0.0	13744.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.3	1.6
10°-20°	633.3	4.6
20°-30°	1144.7	8.3
30°-40°	2135.6	15.5
40°-50°	3582.5	26.1
50°-60°	4731.1	34.4
60°-70°	1256.5	9.1
70°-80°	44.6	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°	13744.5	100.0
0°-180°	13744.5	100.0

Coefficient of Utilization



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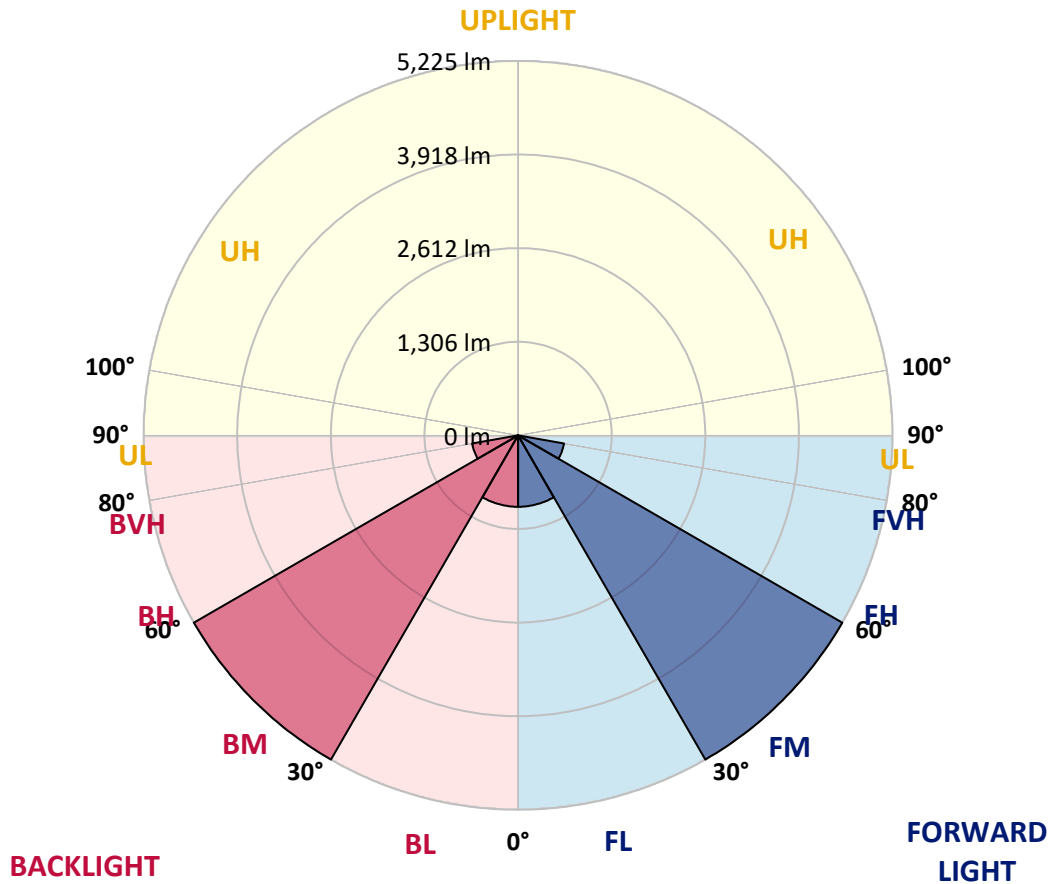
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	996.7	7.3			
FM (30°-60°)	5224.6	38.0			
FH (60°-80°)	650.6	4.7			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	996.7	7.3	B2/1000		
BM (30°-60°)	5224.6	38.0	B4/8500		
BH (60°-80°)	650.6	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°	2285.1	2285.1	2285.1	2285.1	2285.1	2285.1	2285.1	2285.1	2285.1	2285.1	2285.1
2.5°	2269.0	2267.4	2273.9	2278.7	2278.7	2290.0	2286.8	2283.5	2280.3	2275.5	2286.8
5°	2265.8	2264.2	2269.0	2272.2	2269.0	2278.7	2272.2	2265.8	2262.6	2256.1	2269.0
7.5°	2251.3	2252.9	2256.1	2259.3	2254.5	2262.6	2254.5	2244.8	2236.8	2230.3	2241.6
10°	2228.7	2230.3	2233.5	2240.0	2241.6	2252.9	2241.6	2223.9	2212.6	2202.9	2214.2
12.5°	2217.4	2219.0	2223.9	2231.9	2233.5	2248.1	2233.5	2207.7	2191.6	2180.3	2191.6
15°	2220.6	2223.9	2230.3	2240.0	2243.2	2257.7	2238.4	2204.5	2181.9	2167.4	2177.1
17.5°	2231.9	2235.2	2244.8	2261.0	2272.2	2286.8	2262.6	2219.0	2188.4	2167.4	2177.1
20°	2246.4	2251.3	2267.4	2293.2	2317.4	2343.2	2312.6	2252.9	2212.6	2186.8	2194.8
22.5°	2286.8	2291.6	2314.2	2348.0	2388.4	2420.6	2383.5	2307.7	2252.9	2219.0	2227.1
25°	2369.0	2373.8	2402.9	2446.4	2498.0	2539.9	2493.2	2398.0	2327.1	2288.4	2291.6
27.5°	2498.0	2502.9	2536.7	2598.0	2667.3	2727.0	2659.3	2548.0	2467.4	2422.2	2422.2
30°	2660.9	2667.3	2712.5	2794.7	2902.8	2981.8	2889.9	2754.4	2651.2	2589.9	2591.6
32.5°	2870.5	2864.1	2928.6	3041.5	3194.7	3299.5	3164.0	2999.6	2872.2	2786.7	2794.7
35°	3139.9	3138.2	3210.8	3364.0	3564.0	3689.8	3528.5	3315.6	3162.4	3075.4	3077.0
37.5°	3486.6	3485.0	3568.8	3734.9	3975.2	4080.0	3899.4	3683.3	3518.8	3435.0	3444.7
40°	3893.0	3883.3	3957.5	4117.1	4357.4	4425.2	4228.4	4054.2	3896.2	3843.0	3868.8
42.5°	4280.0	4259.0	4302.6	4447.7	4633.2	4642.9	4494.5	4375.2	4267.1	4225.2	4241.3
45°	4591.3	4575.1	4615.4	4699.3	4805.7	4757.4	4686.4	4649.3	4562.2	4517.1	4531.6
47.5°	4823.5	4823.5	4871.9	4923.5	4939.6	4850.9	4862.2	4862.2	4775.1	4704.1	4686.4
50°	5023.5	5038.0	5110.5	5163.8	5110.5	4997.7	5062.2	5049.3	4871.9	4729.9	4692.9
52.5°	5342.8	5357.3	5468.5	5541.1	5481.4	5370.2	5378.2	5217.0	4955.7	4788.0	4729.9
55°	5681.4	5716.9	5878.2	6071.7	6073.3	5958.8	5745.9	5460.5	5142.8	4960.6	4900.9
57.5°	5237.9	5286.3	5526.6	5992.7	6329.7	6250.7	5742.7	5241.2	4812.2	4563.8	4530.0
60°	3604.3	3688.2	3928.5	4565.5	5215.4	5246.0	4646.1	4083.3	3591.4	3285.0	3291.5
62.5°	1522.4	1607.8	1743.3	2267.4	2864.1	2901.2	2610.9	2207.7	1806.2	1585.3	1619.1
65°	358.0	382.2	422.5	627.3	909.5	951.5	877.3	683.8	504.8	427.4	435.4
67.5°	156.4	159.7	151.6	161.3	200.0	204.8	198.4	174.2	164.5	167.7	167.7
70°	109.7	111.3	104.8	100.0	95.1	88.7	91.9	101.6	109.7	116.1	114.5
72.5°	67.7	69.3	71.0	71.0	66.1	59.7	62.9	69.3	71.0	72.6	71.0
75°	33.9	35.5	38.7	40.3	38.7	37.1	37.1	38.7	38.7	37.1	37.1
77.5°	6.5	8.1	11.3	12.9	12.9	12.9	12.9	12.9	14.5	12.9	12.9
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)