

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: P635703

Luminaire Tested: GWS-SA3E-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635703
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13252.4 lumens
Efficiency: N/A
Efficacy: 83.2 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

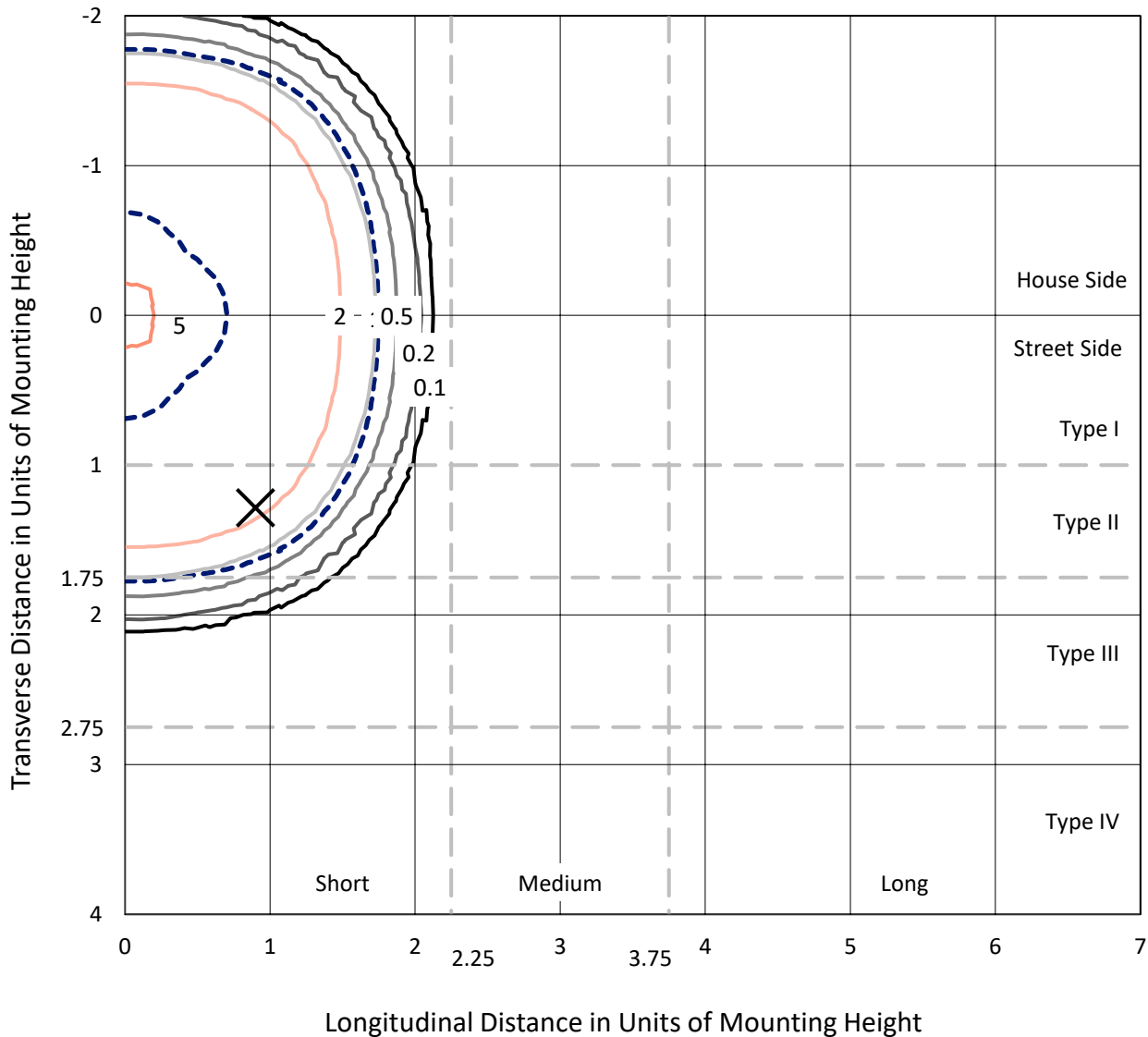
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

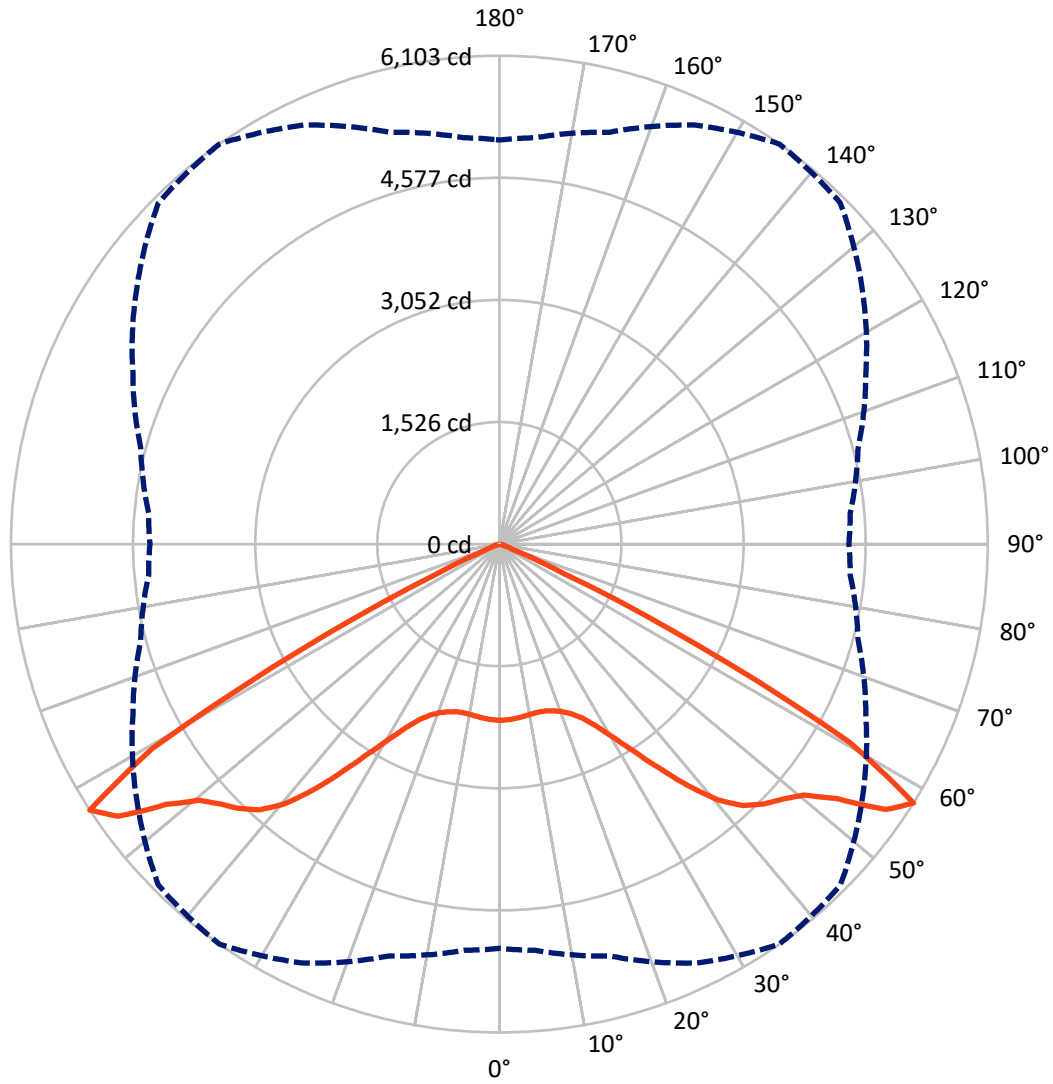
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 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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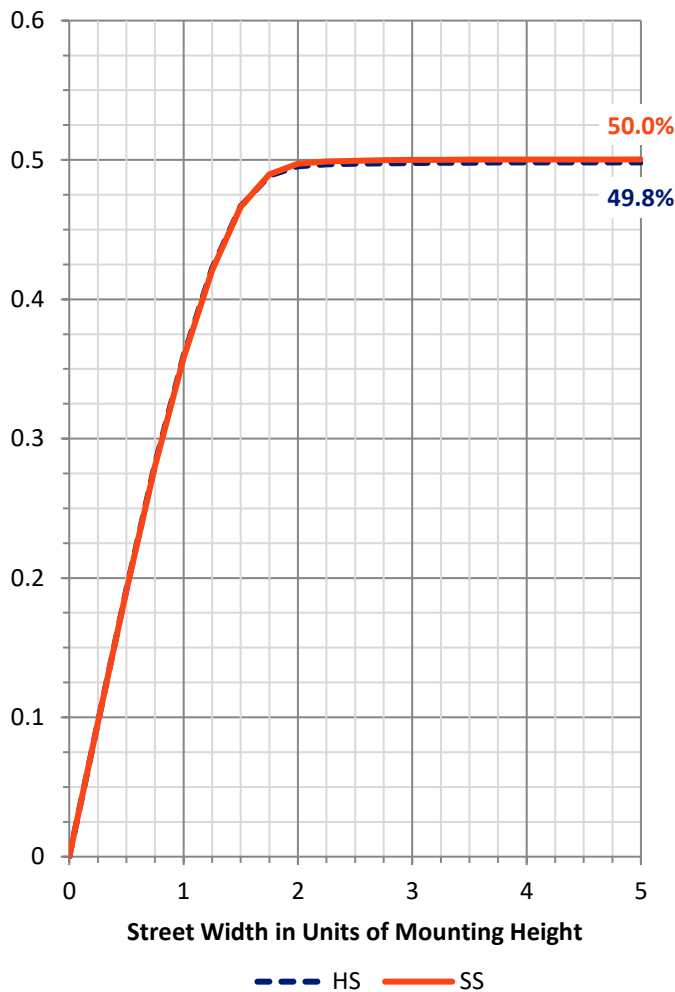
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6626.2	0.0	6626.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6626.2	0.0	6626.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	13252.4	0.0	13252.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.6	1.6
10°-20°	610.6	4.6
20°-30°	1103.8	8.3
30°-40°	2059.2	15.5
40°-50°	3454.3	26.1
50°-60°	4561.7	34.4
60°-70°	1211.5	9.1
70°-80°	43.0	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°	13252.4	100.0
0°-180°	13252.4	100.0

Coefficient of Utilization



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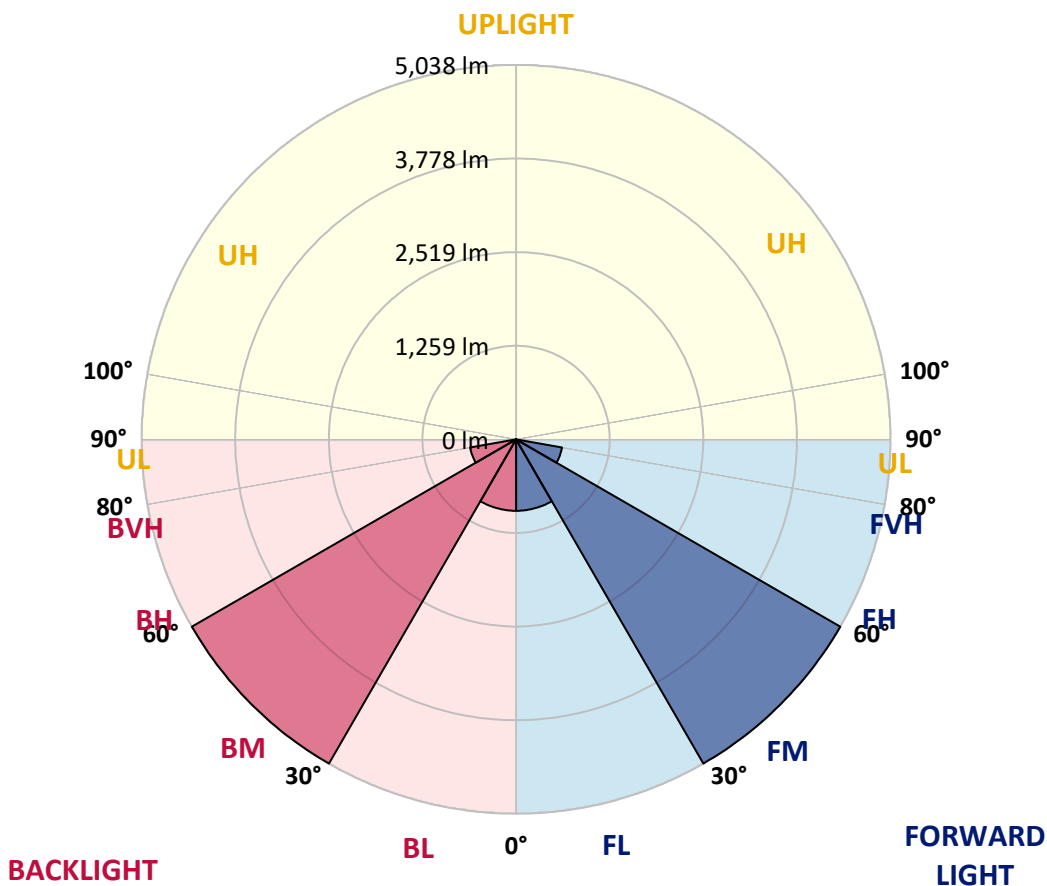
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	961.0	7.3			
FM (30°-60°)	5037.6	38.0			
FH (60°-80°)	627.3	4.7			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	961.0	7.3	B2/1000		
BM (30°-60°)	5037.6	38.0	B4/8500		
BH (60°-80°)	627.3	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: 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°	2203.3	2203.3	2203.3	2203.3	2203.3	2203.3	2203.3	2203.3	2203.3	2203.3	2203.3
2.5°	2187.8	2186.2	2192.4	2197.1	2197.1	2208.0	2204.9	2201.8	2198.7	2194.0	2204.9
5°	2184.7	2183.1	2187.8	2190.9	2187.8	2197.1	2190.9	2184.7	2181.6	2175.3	2187.8
7.5°	2170.7	2172.2	2175.3	2178.5	2173.8	2181.6	2173.8	2164.5	2156.7	2150.5	2161.3
10°	2148.9	2150.5	2153.6	2159.8	2161.3	2172.2	2161.3	2144.2	2133.4	2124.0	2134.9
12.5°	2138.0	2139.6	2144.2	2152.0	2153.6	2167.6	2153.6	2128.7	2113.1	2102.3	2113.1
15°	2141.1	2144.2	2150.5	2159.8	2162.9	2176.9	2158.2	2125.6	2103.8	2089.8	2099.2
17.5°	2152.0	2155.1	2164.5	2180.0	2190.9	2204.9	2181.6	2139.6	2110.0	2089.8	2099.2
20°	2166.0	2170.7	2186.2	2211.1	2234.4	2259.3	2229.8	2172.2	2133.4	2108.5	2116.3
22.5°	2204.9	2209.6	2231.3	2264.0	2302.8	2333.9	2298.2	2225.1	2172.2	2139.6	2147.4
25°	2284.2	2288.9	2316.8	2358.8	2408.6	2449.0	2403.9	2312.2	2243.8	2206.4	2209.6
27.5°	2408.6	2413.2	2445.9	2505.0	2571.8	2629.4	2564.1	2456.8	2379.0	2335.5	2335.5
30°	2565.6	2571.8	2615.4	2694.7	2798.9	2875.1	2786.4	2655.8	2556.3	2497.2	2498.8
32.5°	2767.8	2761.5	2823.7	2932.6	3080.3	3181.4	3050.8	2892.2	2769.3	2686.9	2694.7
35°	3027.4	3025.9	3095.9	3243.6	3436.4	3557.7	3402.2	3196.9	3049.2	2965.2	2966.8
37.5°	3361.8	3360.2	3441.1	3601.2	3832.9	3934.0	3759.8	3551.5	3392.8	3312.0	3321.3
40°	3753.6	3744.3	3815.8	3969.7	4201.4	4266.7	4077.0	3909.1	3756.7	3705.4	3730.3
42.5°	4126.8	4106.6	4148.5	4288.5	4467.3	4476.6	4333.6	4218.5	4114.3	4073.9	4089.5
45°	4426.9	4411.3	4450.2	4531.1	4633.7	4587.0	4518.6	4482.9	4398.9	4355.3	4369.3
47.5°	4650.8	4650.8	4697.4	4747.2	4762.7	4677.2	4688.1	4688.1	4604.1	4535.7	4518.6
50°	4843.6	4857.6	4927.6	4978.9	4927.6	4818.7	4880.9	4868.5	4697.4	4560.6	4524.8
52.5°	5151.5	5165.5	5272.8	5342.7	5285.2	5177.9	5185.7	5030.2	4778.3	4616.6	4560.6
55°	5478.0	5512.2	5667.7	5854.3	5855.9	5745.5	5540.2	5265.0	4958.7	4783.0	4725.4
57.5°	5050.4	5097.0	5328.7	5778.1	6103.1	6026.9	5537.1	5053.5	4639.9	4400.4	4367.8
60°	3475.3	3556.1	3787.8	4402.0	5028.6	5058.2	4479.7	3937.1	3462.8	3167.4	3173.6
62.5°	1467.9	1550.3	1680.9	2186.2	2761.5	2797.3	2517.4	2128.7	1741.5	1528.5	1561.1
65°	345.2	368.5	407.4	604.9	877.0	917.4	845.9	659.3	486.7	412.1	419.8
67.5°	150.8	153.9	146.2	155.5	192.8	197.5	191.3	167.9	158.6	161.7	161.7
70°	105.7	107.3	101.1	96.4	91.7	85.5	88.6	98.0	105.7	112.0	110.4
72.5°	65.3	66.9	68.4	68.4	63.8	57.5	60.6	66.9	68.4	70.0	68.4
75°	32.7	34.2	37.3	38.9	37.3	35.8	35.8	37.3	37.3	35.8	35.8
77.5°	6.2	7.8	10.9	12.4	12.4	12.4	12.4	12.4	14.0	12.4	12.4
80°	1.6	1.6	3.1	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1
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)