

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: P633836

Luminaire Tested: GWS-SA2F-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-750-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11677.1 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 124.5
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

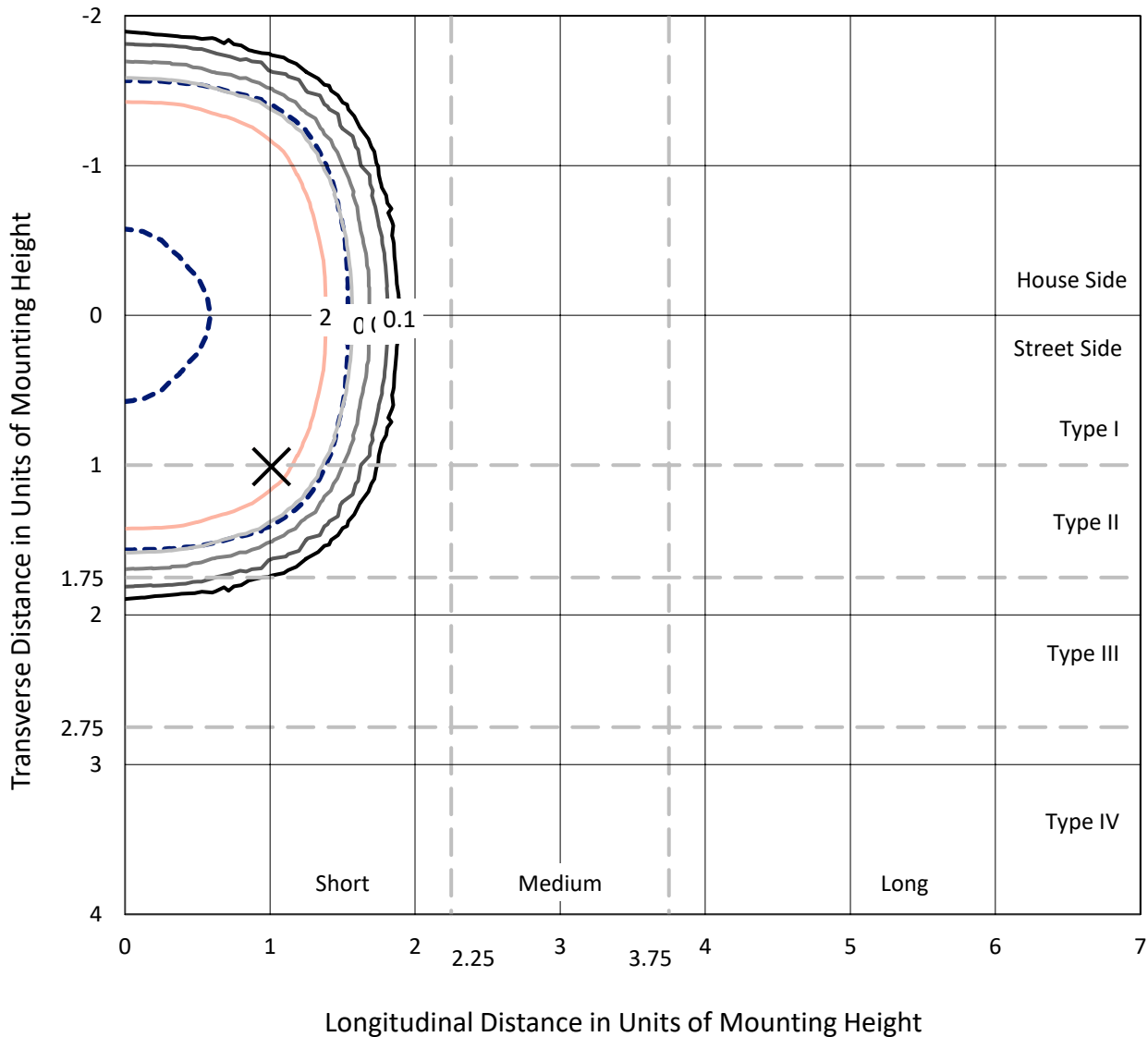


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Iso-Footcandle Lines of Horizontal Illumination

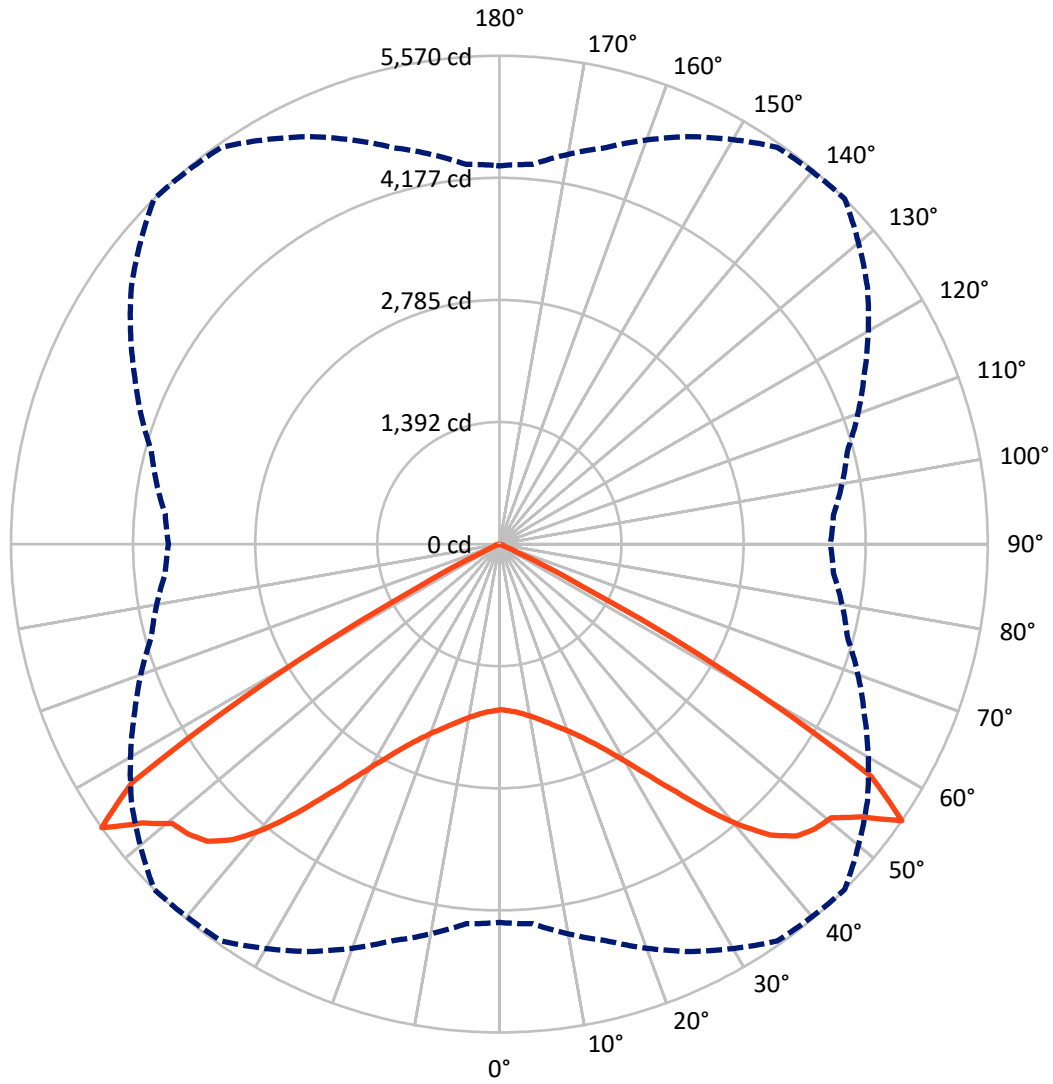
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5838.6	0.0	5838.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5838.6	0.0	5838.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	11677.1	0.0	11677.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.0	1.6
10°-20°	599.6	5.1
20°-30°	1161.2	9.9
30°-40°	2080.4	17.8
40°-50°	3488.0	29.9
50°-60°	3733.7	32.0
60°-70°	410.3	3.5
70°-80°	18.1	0.2
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°	11677.1	100.0
0°-180°	11677.1	100.0

Coefficient of Utilization



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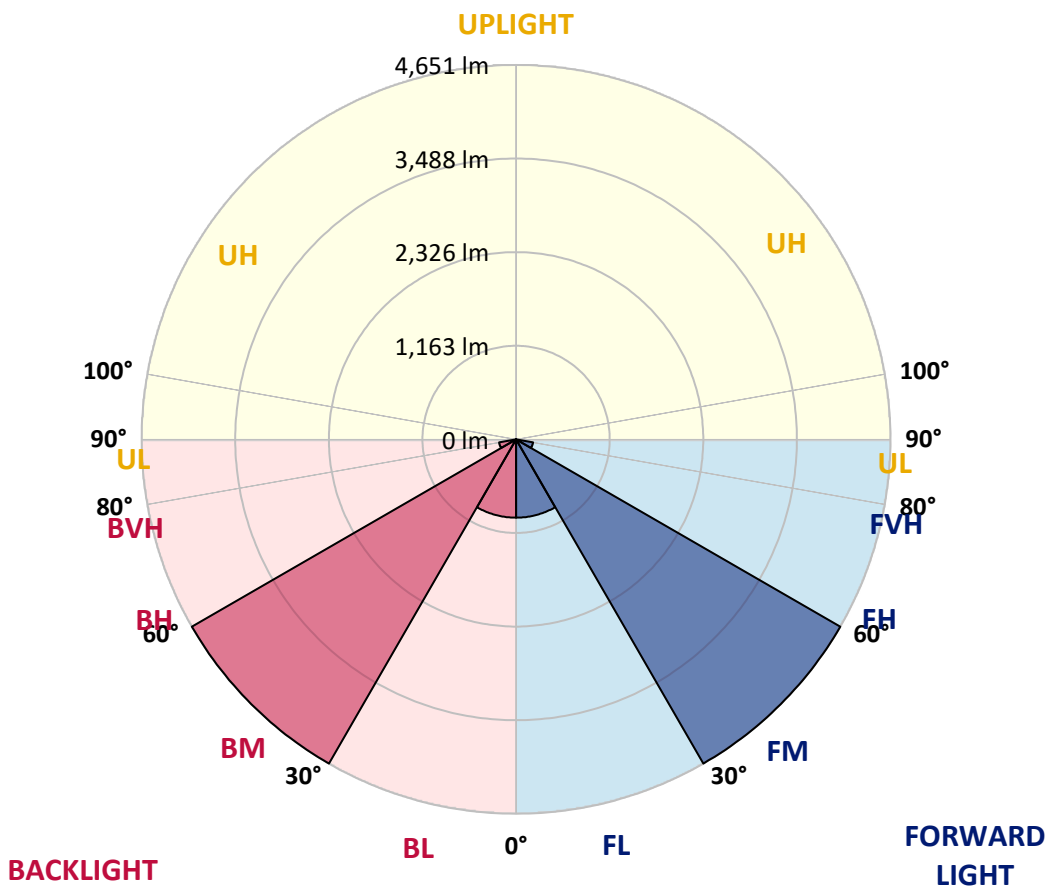
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	972.9	8.3			
FM (30°-60°)	4651.0	39.8			
FH (60°-80°)	214.2	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	972.9	8.3	B2/1000		
BM (30°-60°)	4651.0	39.8	B3/5000		
BH (60°-80°)	214.2	1.8	B1/500		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°	1888.0	1888.0	1888.0	1888.0	1888.0	1888.0	1888.0	1888.0	1888.0	1888.0	1888.0
2.5°	1884.4	1884.4	1889.2	1892.7	1892.7	1902.2	1898.7	1895.1	1895.1	1890.3	1899.9
5°	1911.8	1910.6	1915.3	1917.7	1912.9	1922.5	1916.5	1912.9	1910.6	1905.8	1915.3
7.5°	1941.5	1942.7	1943.9	1948.6	1946.3	1955.8	1951.0	1943.9	1941.5	1934.4	1943.9
10°	1977.2	1977.2	1979.6	1985.5	1986.7	1998.6	1993.8	1985.5	1978.4	1971.2	1980.8
12.5°	2022.4	2023.6	2027.2	2035.5	2040.2	2053.3	2046.2	2029.5	2018.8	2010.5	2021.2
15°	2087.8	2086.6	2091.4	2103.3	2109.2	2118.8	2108.0	2085.4	2072.4	2062.8	2070.0
17.5°	2159.2	2159.2	2161.6	2173.5	2181.8	2196.1	2183.0	2155.6	2143.7	2130.6	2137.8
20°	2237.7	2241.3	2243.7	2252.0	2266.3	2280.5	2269.8	2242.5	2229.4	2212.7	2221.1
22.5°	2341.2	2337.6	2338.8	2353.1	2373.3	2387.6	2379.3	2347.2	2324.6	2311.5	2316.2
25°	2456.6	2455.4	2459.0	2480.4	2503.0	2518.5	2506.6	2464.9	2442.3	2419.7	2429.2
27.5°	2598.2	2599.4	2601.7	2627.9	2663.6	2686.2	2656.5	2614.8	2583.9	2554.2	2561.3
30°	2765.9	2763.5	2770.7	2806.4	2858.7	2894.4	2859.9	2801.6	2757.6	2729.0	2732.6
32.5°	2944.4	2946.7	2965.8	3022.9	3091.9	3154.9	3084.7	3007.4	2950.3	2896.8	2903.9
35°	3137.1	3143.0	3185.9	3270.3	3383.3	3467.8	3370.3	3243.0	3162.1	3093.1	3095.4
37.5°	3364.3	3378.6	3438.1	3564.2	3726.0	3839.0	3696.2	3527.3	3422.6	3336.9	3331.0
40°	3662.9	3679.6	3760.5	3910.4	4106.6	4210.1	4044.8	3871.1	3741.4	3648.6	3634.4
42.5°	4005.5	4026.9	4115.0	4268.4	4464.7	4534.9	4373.1	4226.8	4110.2	4000.8	3996.0
45°	4392.2	4404.1	4475.4	4593.2	4734.8	4751.4	4630.1	4549.2	4431.4	4329.1	4320.8
47.5°	4755.0	4766.9	4815.7	4876.3	4909.7	4850.2	4828.8	4793.1	4640.8	4514.7	4488.5
50°	5031.0	5040.5	5101.2	5125.0	5032.2	4906.1	4947.7	4871.6	4706.2	4564.7	4524.2
52.5°	5012.0	5035.8	5191.6	5327.2	5268.9	5166.6	5054.8	4890.6	4633.7	4439.7	4389.8
55°	4314.8	4347.0	4681.2	5127.4	5525.9	5569.9	5122.6	4593.2	4110.2	3825.9	3774.7
57.5°	2773.1	2781.4	3189.4	3815.2	4713.4	4996.5	4248.2	3463.0	2862.3	2549.4	2528.0
60°	1019.5	1002.9	1311.0	1829.7	2714.8	3014.6	2500.6	1751.2	1249.1	1027.9	1010.0
62.5°	245.1	247.4	306.9	460.4	851.8	1054.0	832.7	465.2	296.2	248.6	246.3
65°	123.7	121.3	122.5	132.1	182.0	217.7	178.4	126.1	121.3	122.5	121.3
67.5°	79.7	78.5	80.9	82.1	80.9	76.1	74.9	77.3	77.3	78.5	76.1
70°	48.8	47.6	50.0	53.5	51.2	45.2	47.6	50.0	47.6	46.4	46.4
72.5°	26.2	26.2	28.6	30.9	28.6	26.2	26.2	27.4	26.2	26.2	26.2
75°	11.9	11.9	13.1	14.3	11.9	11.9	11.9	11.9	11.9	11.9	11.9
77.5°	3.6	3.6	4.8	4.8	3.6	3.6	3.6	3.6	4.8	4.8	4.8
80°	1.2	2.4	2.4	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
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)