

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: P633781

Luminaire Tested: GWS-SA2F-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633781  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11415.5 lumens  
Efficiency: N/A  
Efficacy: 91.7 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

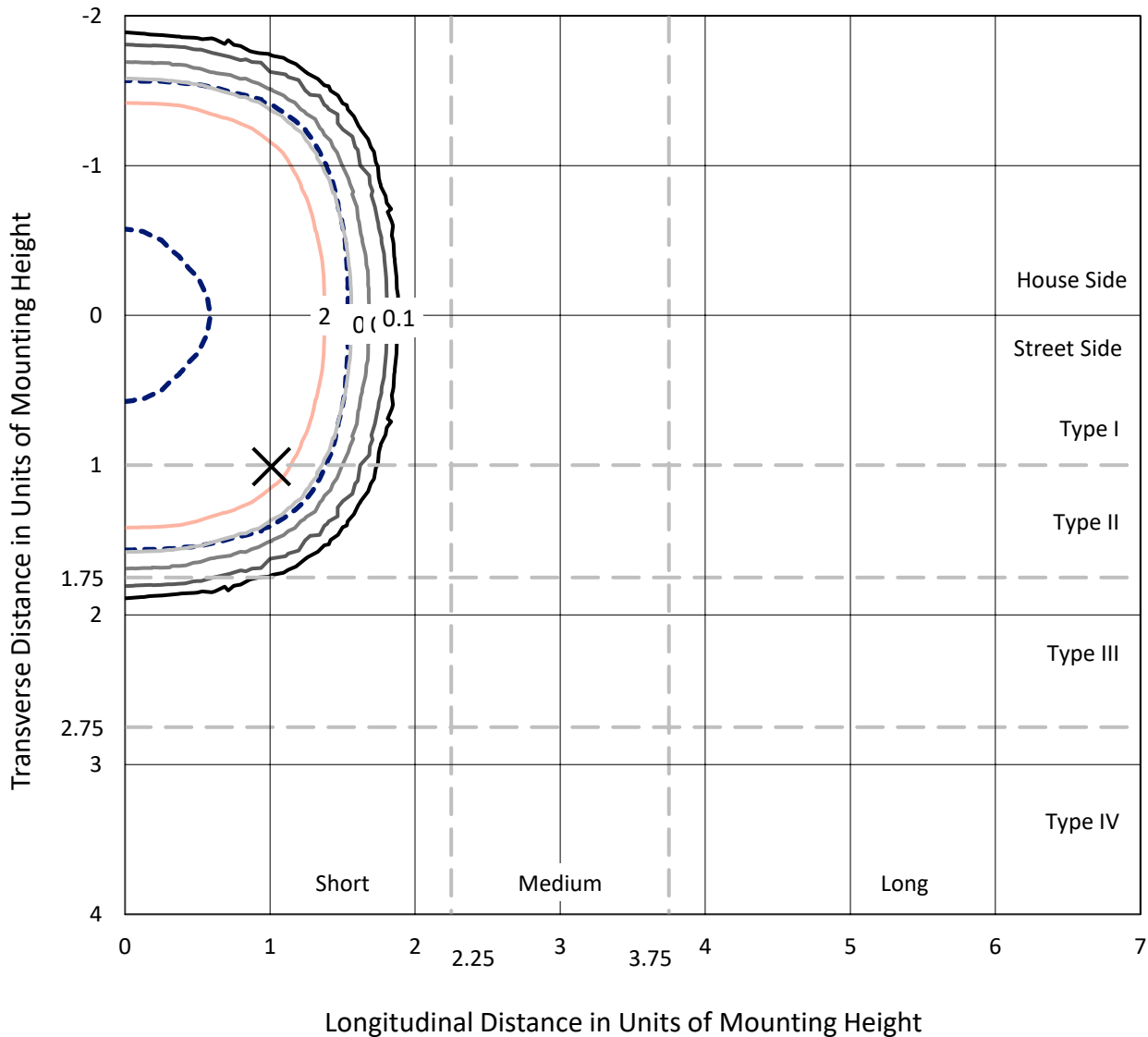


REPORT NUMBER: P633781

CATALOG NUMBER: GWS-SA2F-740-U-5NQ-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

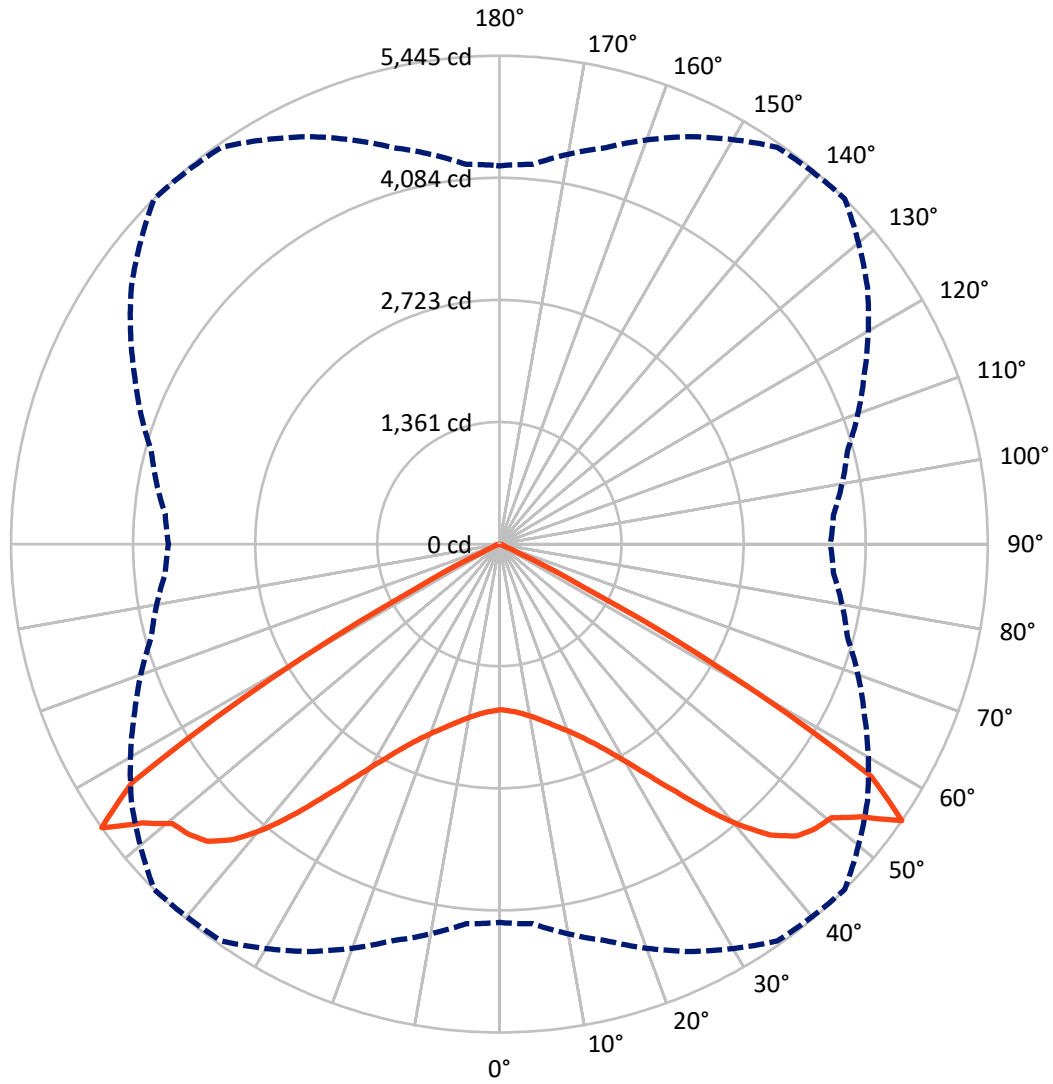
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P633781  
CATALOG NUMBER: GWS-SA2F-740-U-5NQ-W-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P633781

CATALOG NUMBER: GWS-SA2F-740-U-5NQ-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5707.8	0.0	5707.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5707.8	0.0	5707.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11415.5	0.0	11415.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.8	1.6
10°-20°	586.2	5.1
20°-30°	1135.2	9.9
30°-40°	2033.8	17.8
40°-50°	3409.8	29.9
50°-60°	3650.1	32.0
60°-70°	401.1	3.5
70°-80°	17.7	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°	11415.5	100.0
0°-180°	11415.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P633781

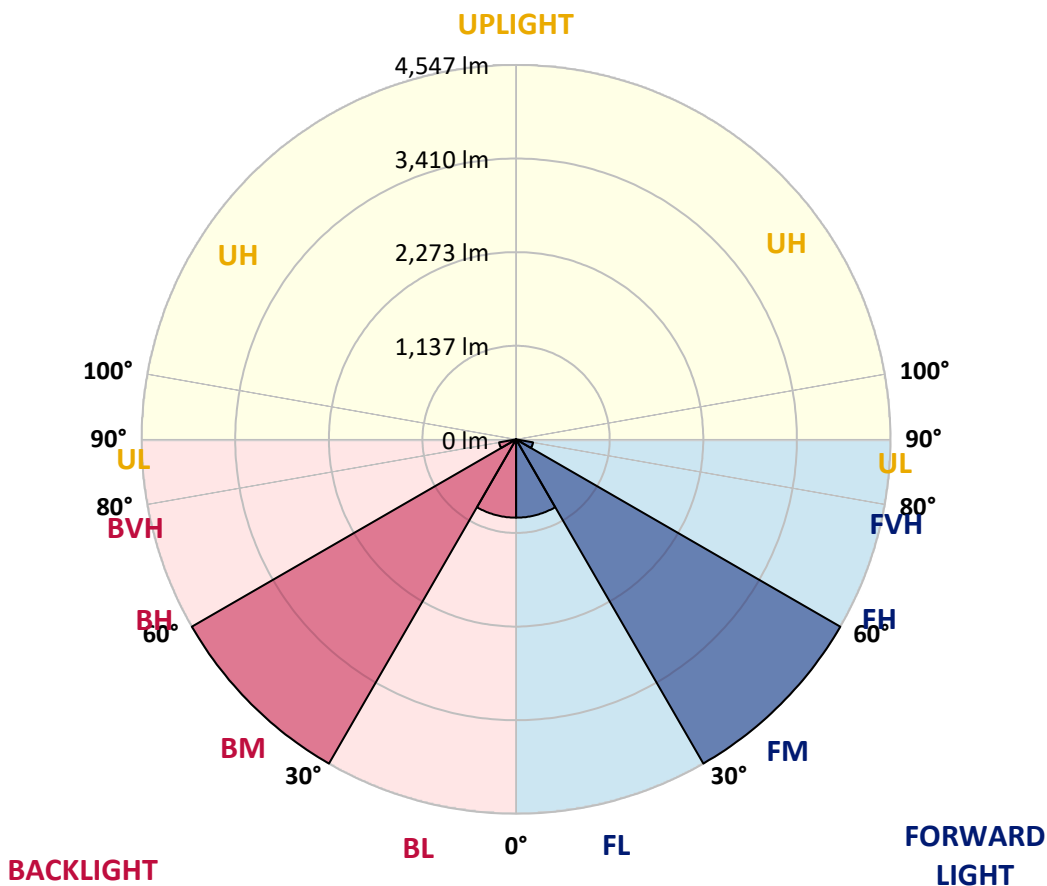
CATALOG NUMBER: GWS-SA2F-740-U-5NQ-W-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	951.1	8.3			
FM (30°-60°)	4546.8	39.8			
FH (60°-80°)	209.4	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	951.1	8.3	B2/1000		
BM (30°-60°)	4546.8	39.8	B3/5000		
BH (60°-80°)	209.4	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





REPORT NUMBER: P633781  
 CATALOG NUMBER: GWS-SA2F-740-U-5NQ-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1845.7	1845.7	1845.7	1845.7	1845.7	1845.7	1845.7	1845.7	1845.7	1845.7	1845.7
2.5°	1842.2	1842.2	1846.8	1850.3	1850.3	1859.6	1856.1	1852.6	1852.6	1848.0	1857.3
5°	1868.9	1867.8	1872.4	1874.7	1870.1	1879.4	1873.6	1870.1	1867.8	1863.1	1872.4
7.5°	1898.0	1899.2	1900.3	1905.0	1902.7	1912.0	1907.3	1900.3	1898.0	1891.0	1900.3
10°	1932.9	1932.9	1935.2	1941.0	1942.2	1953.8	1949.2	1941.0	1934.1	1927.1	1936.4
12.5°	1977.1	1978.2	1981.7	1989.9	1994.5	2007.3	2000.3	1984.1	1973.6	1965.5	1975.9
15°	2041.0	2039.9	2044.5	2056.2	2062.0	2071.3	2060.8	2038.7	2025.9	2016.6	2023.6
17.5°	2110.8	2110.8	2113.2	2124.8	2132.9	2146.9	2134.1	2107.3	2095.7	2082.9	2089.9
20°	2187.6	2191.1	2193.4	2201.5	2215.5	2229.5	2219.0	2192.2	2179.4	2163.2	2171.3
22.5°	2288.8	2285.3	2286.4	2300.4	2320.2	2334.1	2326.0	2294.6	2272.5	2259.7	2264.3
25°	2401.6	2400.4	2403.9	2424.8	2446.9	2462.1	2450.4	2409.7	2387.6	2365.5	2374.8
27.5°	2540.0	2541.1	2543.5	2569.0	2603.9	2626.0	2597.0	2556.3	2526.0	2496.9	2503.9
30°	2704.0	2701.6	2708.6	2743.5	2794.7	2829.6	2795.8	2738.8	2695.8	2667.9	2671.4
32.5°	2878.4	2880.7	2899.3	2955.2	3022.6	3084.3	3015.6	2940.0	2884.2	2831.9	2838.9
35°	3066.8	3072.6	3114.5	3197.1	3307.5	3390.1	3294.8	3170.3	3091.2	3023.8	3026.1
37.5°	3288.9	3302.9	3361.0	3484.3	3642.5	3753.0	3613.4	3448.3	3345.9	3262.2	3256.4
40°	3580.8	3597.1	3676.2	3822.8	4014.6	4115.8	3954.2	3784.4	3657.6	3566.9	3552.9
42.5°	3915.8	3936.7	4022.8	4172.8	4364.7	4433.3	4275.2	4132.1	4018.1	3911.1	3906.5
45°	4293.8	4305.4	4375.2	4490.3	4628.7	4645.0	4526.4	4447.3	4332.1	4232.1	4224.0
47.5°	4648.5	4660.1	4707.8	4767.1	4799.7	4741.5	4720.6	4685.7	4536.8	4413.5	4388.0
50°	4918.3	4927.6	4986.9	5010.2	4919.5	4796.2	4836.9	4762.4	4600.8	4462.4	4422.9
52.5°	4899.7	4922.9	5075.3	5207.9	5150.9	5050.9	4941.5	4781.1	4529.8	4340.3	4291.4
55°	4218.2	4249.6	4576.4	5012.5	5402.1	5445.1	5007.8	4490.3	4018.1	3740.2	3690.2
57.5°	2710.9	2719.1	3118.0	3729.7	4607.8	4884.6	4153.0	3385.5	2798.2	2492.3	2471.4
60°	996.7	980.4	1281.6	1788.7	2653.9	2947.0	2444.6	1711.9	1221.1	1004.8	987.4
62.5°	239.6	241.9	300.1	450.1	832.7	1030.4	814.1	454.7	289.6	243.1	240.7
65°	121.0	118.6	119.8	129.1	177.9	212.8	174.4	123.3	118.6	119.8	118.6
67.5°	77.9	76.8	79.1	80.2	79.1	74.4	73.3	75.6	75.6	76.8	74.4
70°	47.7	46.5	48.8	52.3	50.0	44.2	46.5	48.8	46.5	45.4	45.4
72.5°	25.6	25.6	27.9	30.2	27.9	25.6	25.6	26.7	25.6	25.6	25.6
75°	11.6	11.6	12.8	14.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6
77.5°	3.5	3.5	4.7	4.7	3.5	3.5	3.5	3.5	4.7	4.7	4.7
80°	1.2	2.3	2.3	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3
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)