

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: P635156

Luminaire Tested: GWS-SA3D-730-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635156  
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-SA3D-730-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

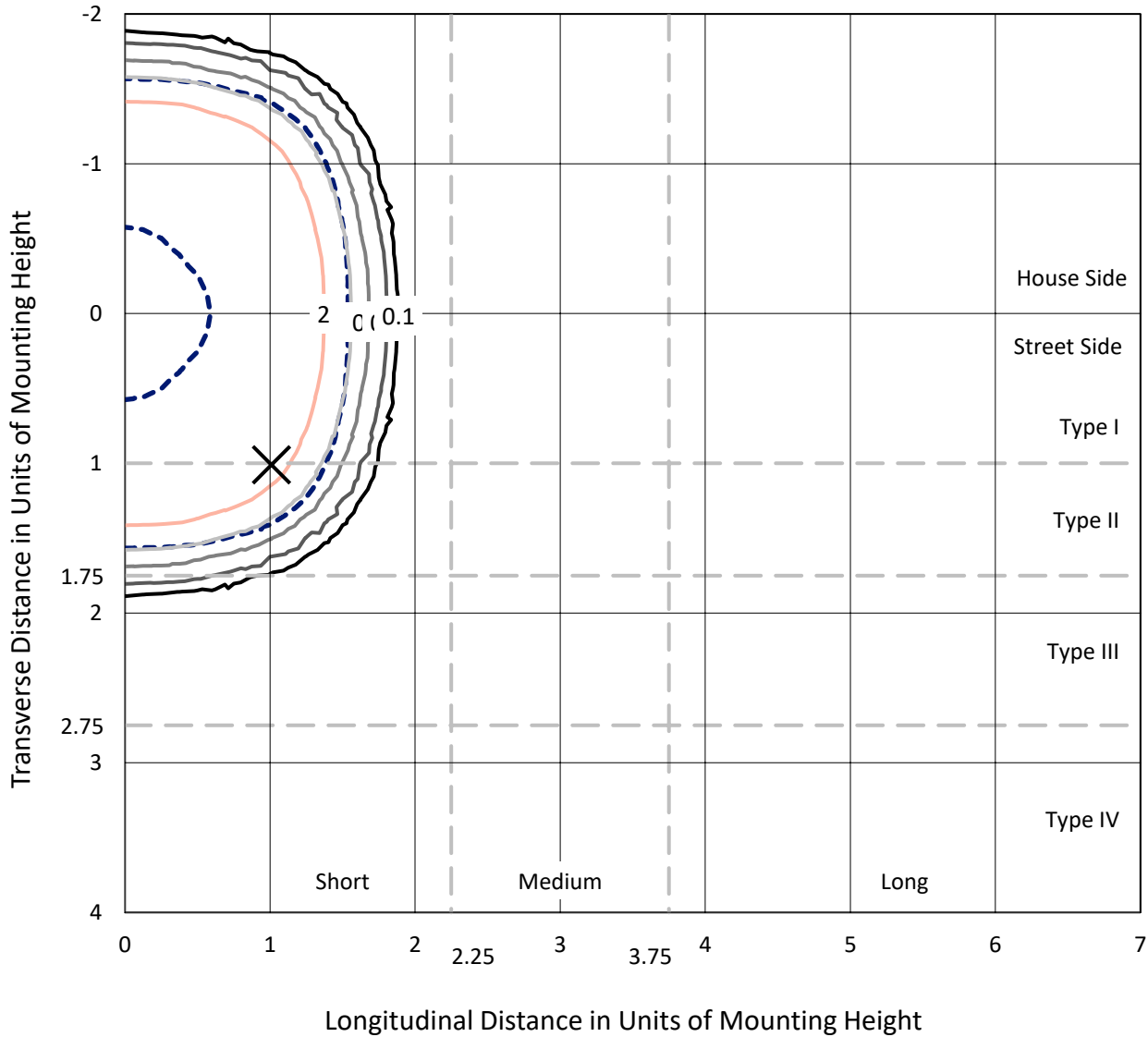
Lumens per Lamp: N/A  
Luminaire Lumens: 11276.6 lumens  
Efficiency: N/A  
Efficacy: 93.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

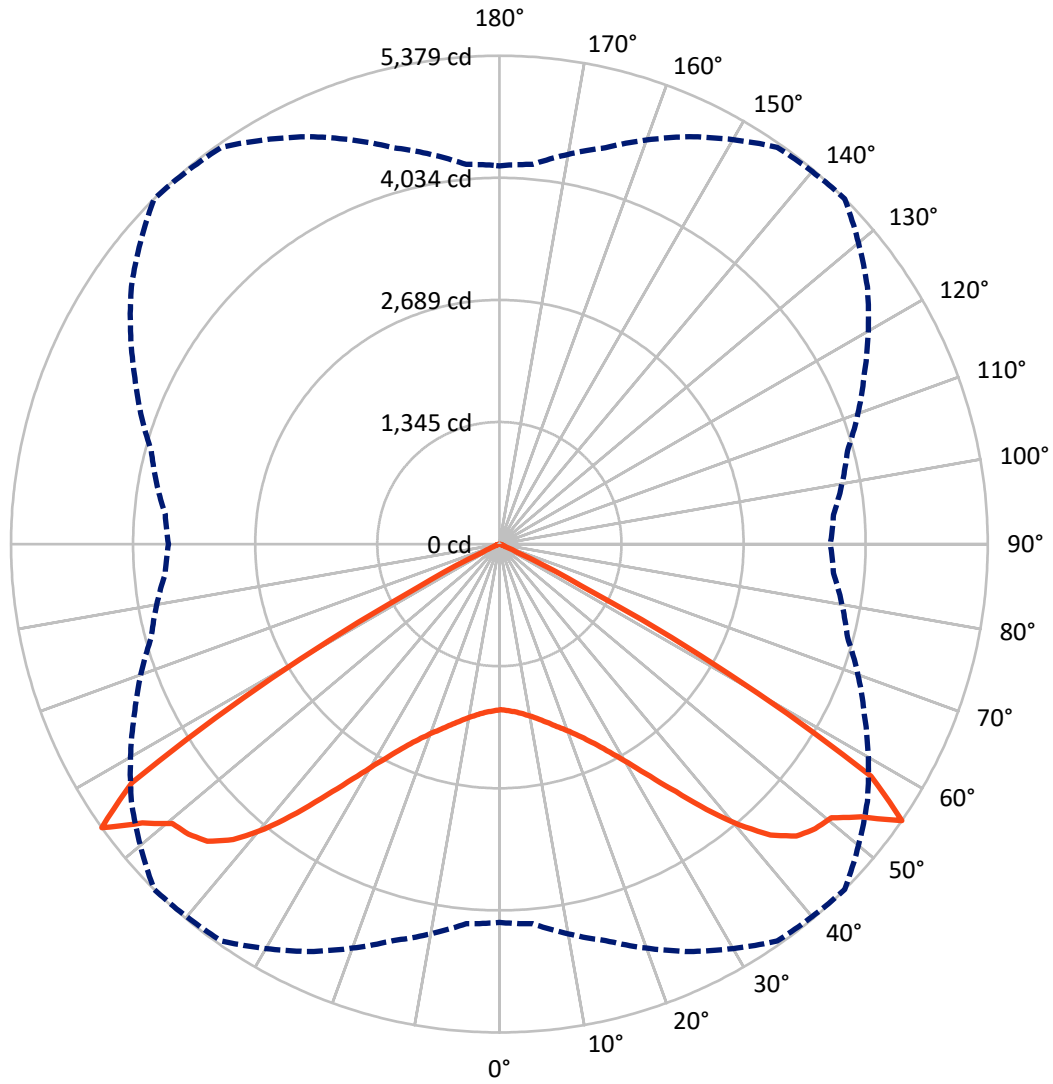
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 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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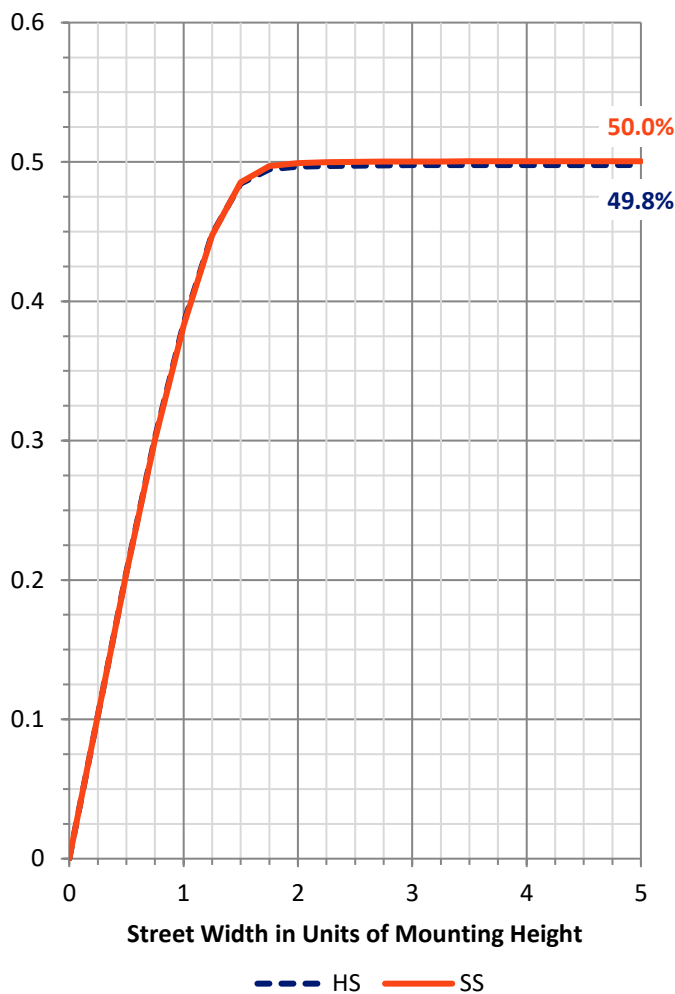
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5638.3	0.0	5638.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5638.3	0.0	5638.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11276.6	0.0	11276.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.6	1.6
10°-20°	579.0	5.1
20°-30°	1121.4	9.9
30°-40°	2009.1	17.8
40°-50°	3368.3	29.9
50°-60°	3605.6	32.0
60°-70°	396.2	3.5
70°-80°	17.4	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°	11276.6	100.0
0°-180°	11276.6	100.0

**Coefficient of Utilization**



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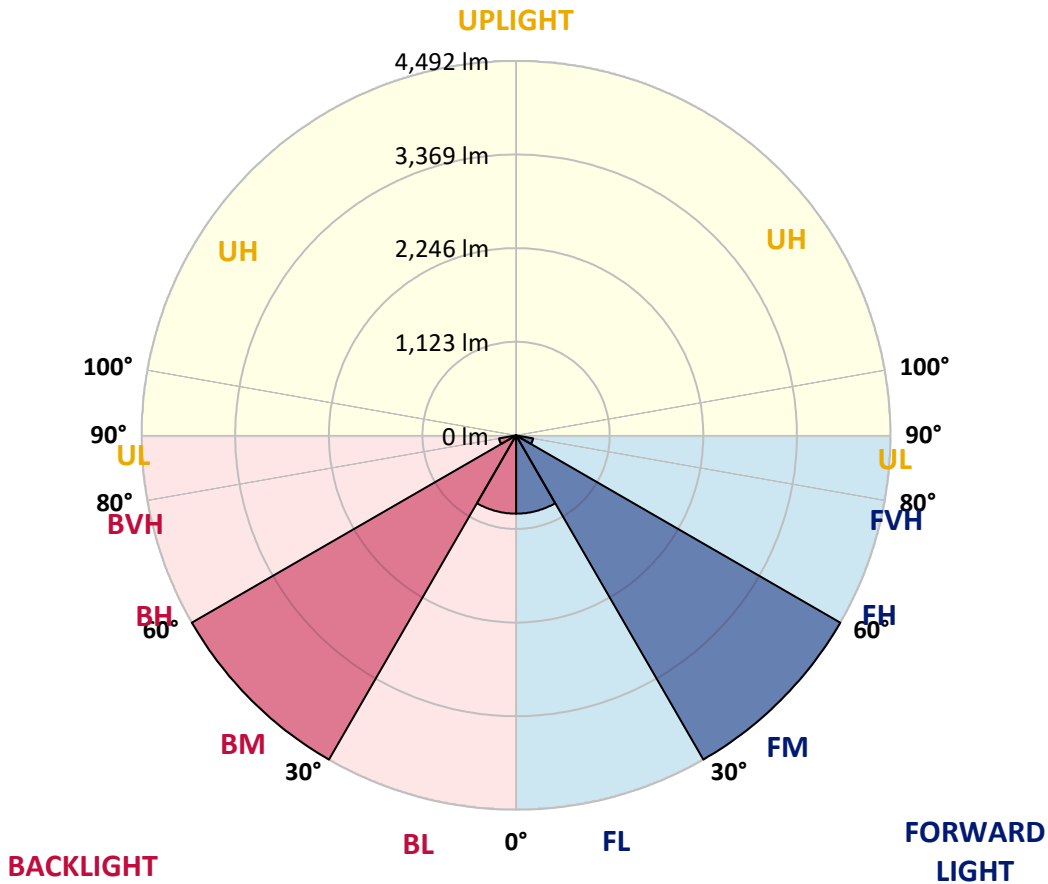
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	939.5	8.3			
FM (30°-60°)	4491.5	39.8			
FH (60°-80°)	206.8	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	939.5	8.3	B2/1000		
BM (30°-60°)	4491.5	39.8	B3/5000		
BH (60°-80°)	206.8	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°	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2
2.5°	1819.8	1819.8	1824.4	1827.8	1827.8	1837.0	1833.5	1830.1	1830.1	1825.5	1834.7
5°	1846.2	1845.0	1849.6	1851.9	1847.3	1856.5	1850.8	1847.3	1845.0	1840.4	1849.6
7.5°	1874.9	1876.1	1877.2	1881.8	1879.5	1888.7	1884.1	1877.2	1874.9	1868.0	1877.2
10°	1909.4	1909.4	1911.7	1917.4	1918.6	1930.1	1925.5	1917.4	1910.5	1903.6	1912.8
12.5°	1953.0	1954.2	1957.6	1965.7	1970.3	1982.9	1976.0	1959.9	1949.6	1941.5	1951.9
15°	2016.2	2015.1	2019.7	2031.1	2036.9	2046.1	2035.7	2013.9	2001.3	1992.1	1999.0
17.5°	2085.1	2085.1	2087.4	2098.9	2107.0	2120.8	2108.1	2081.7	2070.2	2057.6	2064.5
20°	2161.0	2164.4	2166.7	2174.8	2188.5	2202.3	2192.0	2165.6	2152.9	2136.8	2144.9
22.5°	2260.9	2257.5	2258.6	2272.4	2291.9	2305.7	2297.7	2266.7	2244.8	2232.2	2236.8
25°	2372.4	2371.2	2374.7	2395.3	2417.2	2432.1	2420.6	2380.4	2358.6	2336.7	2345.9
27.5°	2509.1	2510.2	2512.5	2537.8	2572.3	2594.1	2565.4	2525.2	2495.3	2466.6	2473.5
30°	2671.1	2668.8	2675.6	2710.1	2760.7	2795.1	2761.8	2705.5	2663.0	2635.4	2638.9
32.5°	2843.4	2845.7	2864.1	2919.2	2985.8	3046.7	2978.9	2904.3	2849.1	2797.4	2804.3
35°	3029.5	3035.2	3076.6	3158.2	3267.3	3348.9	3254.7	3131.7	3053.6	2987.0	2989.3
37.5°	3248.9	3262.7	3320.1	3441.9	3598.2	3707.3	3569.4	3406.3	3305.2	3222.5	3216.8
40°	3537.3	3553.4	3631.5	3776.2	3965.8	4065.7	3906.1	3738.3	3613.1	3523.5	3509.7
42.5°	3868.1	3888.8	3973.8	4122.0	4311.6	4379.4	4223.1	4081.8	3969.2	3863.5	3859.0
45°	4241.5	4253.0	4321.9	4435.7	4572.4	4588.5	4471.3	4393.2	4279.4	4180.6	4172.6
47.5°	4591.9	4603.4	4650.5	4709.1	4741.3	4683.8	4663.1	4628.7	4481.6	4359.8	4334.6
50°	4858.4	4867.6	4926.2	4949.2	4859.6	4737.8	4778.0	4704.5	4544.8	4408.1	4369.0
52.5°	4840.1	4863.0	5013.5	5144.5	5088.2	4989.4	4881.4	4722.9	4474.7	4287.5	4239.2
55°	4166.8	4197.9	4520.7	4951.5	5336.4	5378.9	4946.9	4435.7	3969.2	3694.7	3645.3
57.5°	2677.9	2686.0	3080.0	3684.3	4551.7	4825.1	4102.5	3344.3	2764.1	2462.0	2441.3
60°	984.6	968.5	1266.0	1766.9	2621.7	2911.2	2414.9	1691.1	1206.3	992.6	975.4
62.5°	236.7	239.0	296.4	444.6	822.6	1017.9	804.2	449.2	286.1	240.1	237.8
65°	119.5	117.2	118.3	127.5	175.8	210.2	172.3	121.8	117.2	118.3	117.2
67.5°	77.0	75.8	78.1	79.3	78.1	73.5	72.4	74.7	74.7	75.8	73.5
70°	47.1	46.0	48.3	51.7	49.4	43.7	46.0	48.3	46.0	44.8	44.8
72.5°	25.3	25.3	27.6	29.9	27.6	25.3	25.3	26.4	25.3	25.3	25.3
75°	11.5	11.5	12.6	13.8	11.5	11.5	11.5	11.5	11.5	11.5	11.5
77.5°	3.4	3.4	4.6	4.6	3.4	3.4	3.4	3.4	4.6	4.6	4.6
80°	1.1	2.3	2.3	1.1	1.1	1.1	1.1	1.1	2.3	2.3	2.3
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
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)