

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: P632679

Luminaire Tested: GWS-SA2D-730-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632679  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-730-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

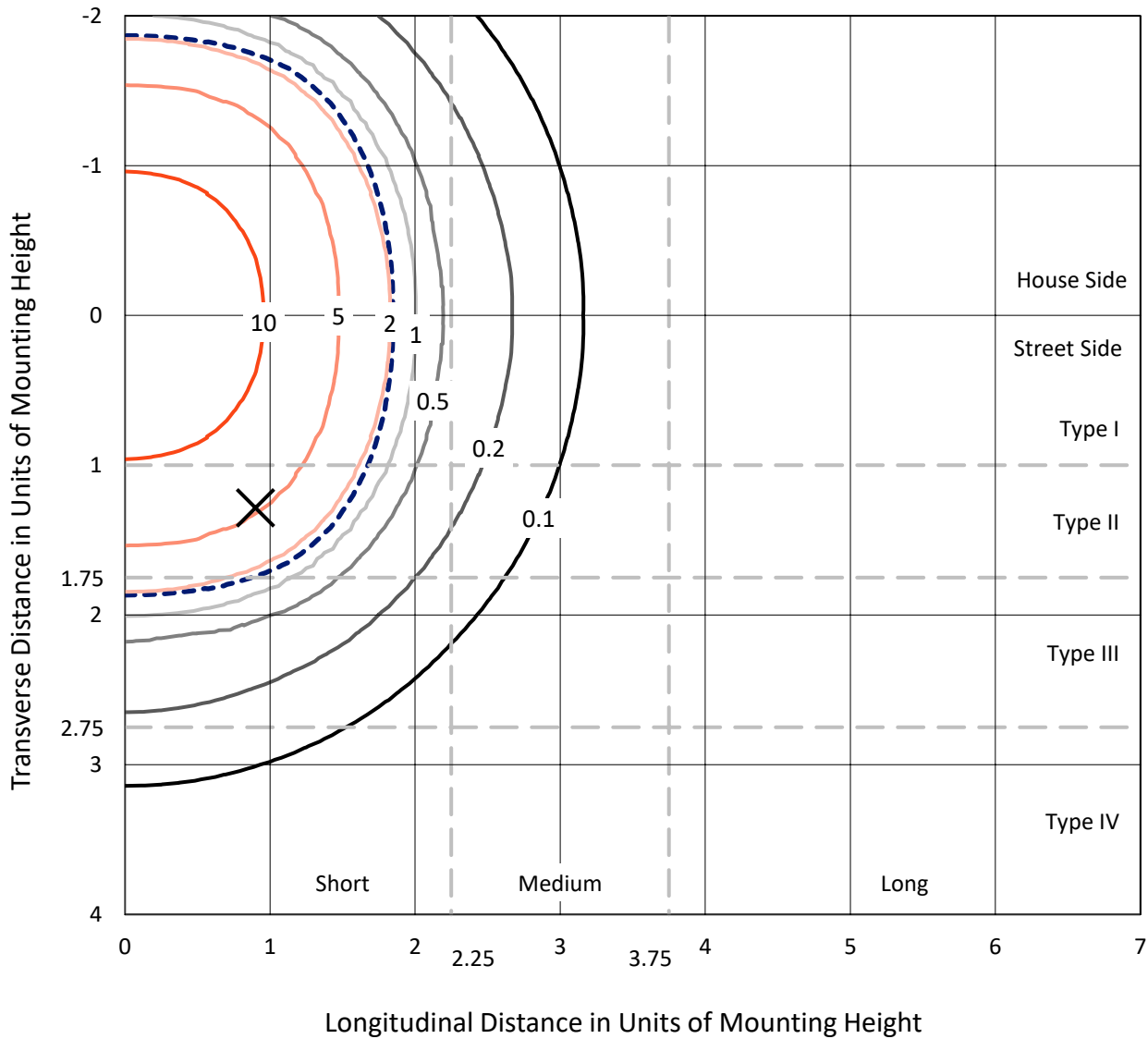
Lumens per Lamp: N/A  
Luminaire Lumens: 9309.6 lumens  
Efficiency: N/A  
Efficacy: 113.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

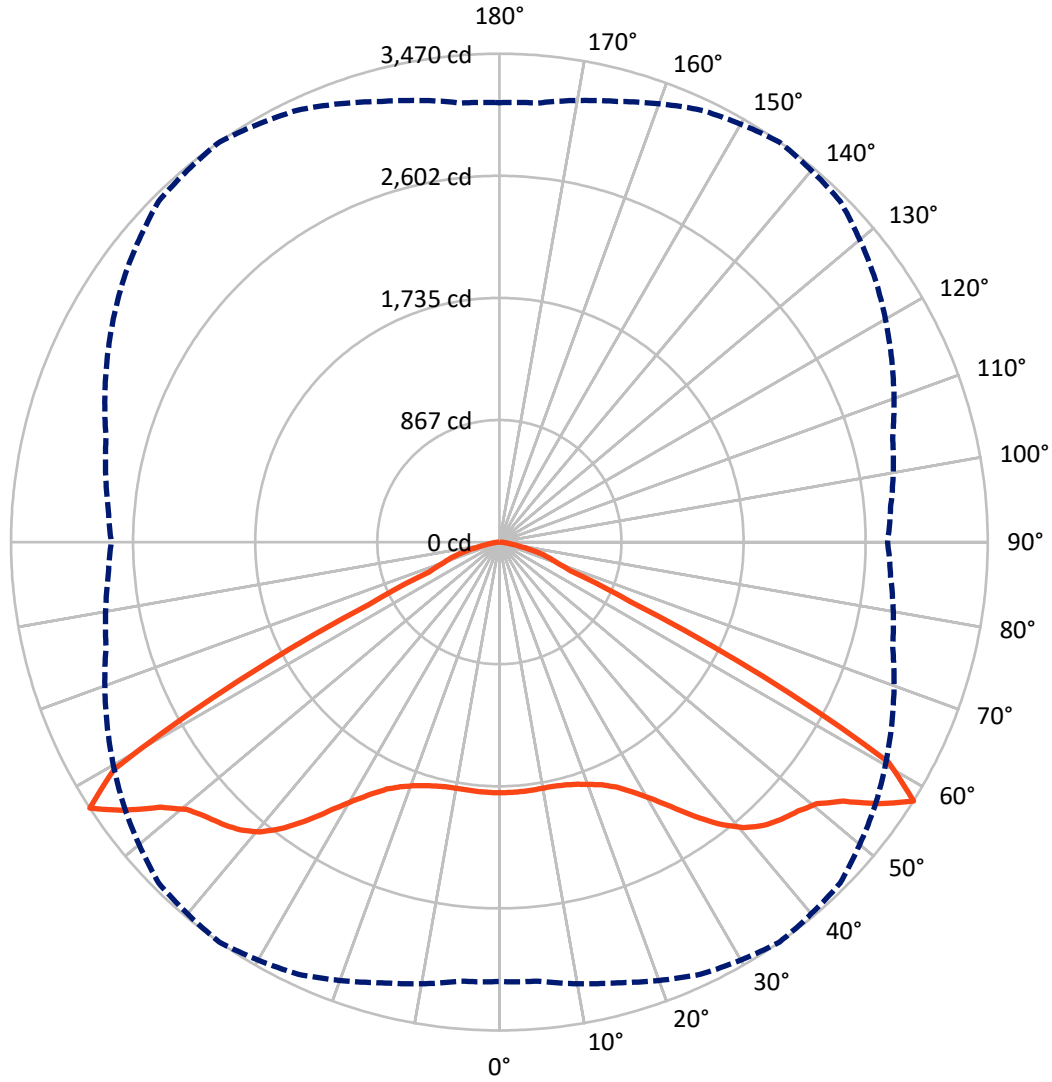
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P632679  
CATALOG NUMBER: GWS-SA2D-730-U-5MQ-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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CATALOG NUMBER: GWS-SA2D-730-U-5MQ-W-GRSWH

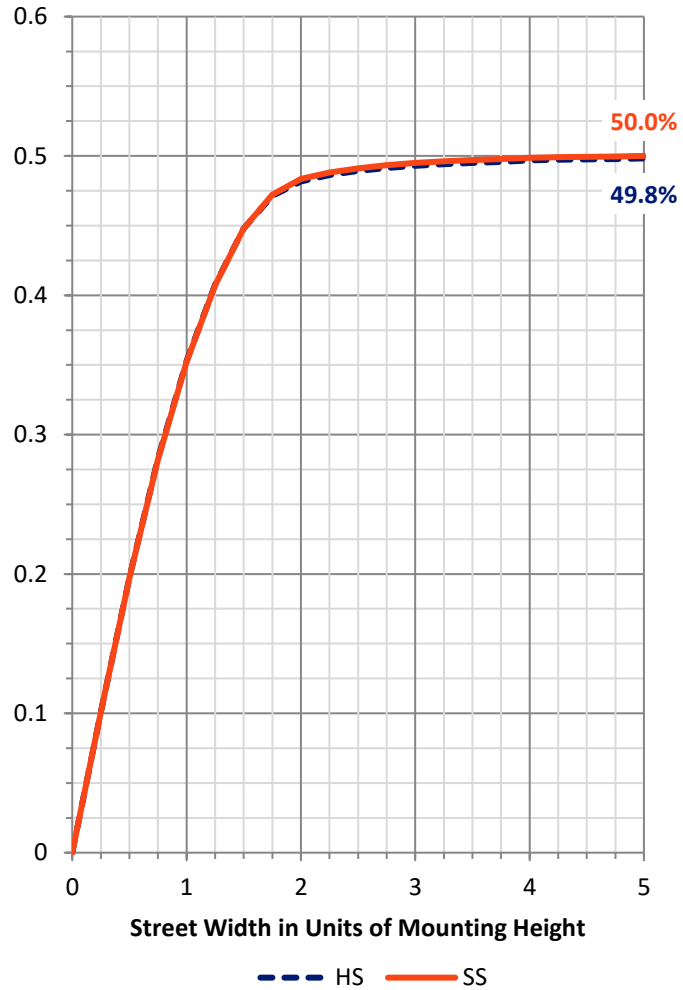
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4654.8	0.0	4654.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4654.8	0.0	4654.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9309.6	0.0	9309.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.5	1.8
10°-20°	505.6	5.4
20°-30°	882.1	9.5
30°-40°	1446.5	15.5
40°-50°	2130.4	22.9
50°-60°	2718.8	29.2
60°-70°	1145.8	12.3
70°-80°	273.7	2.9
80°-90°	37.3	0.4
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°	9309.6	100.0
0°-180°	9309.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632679

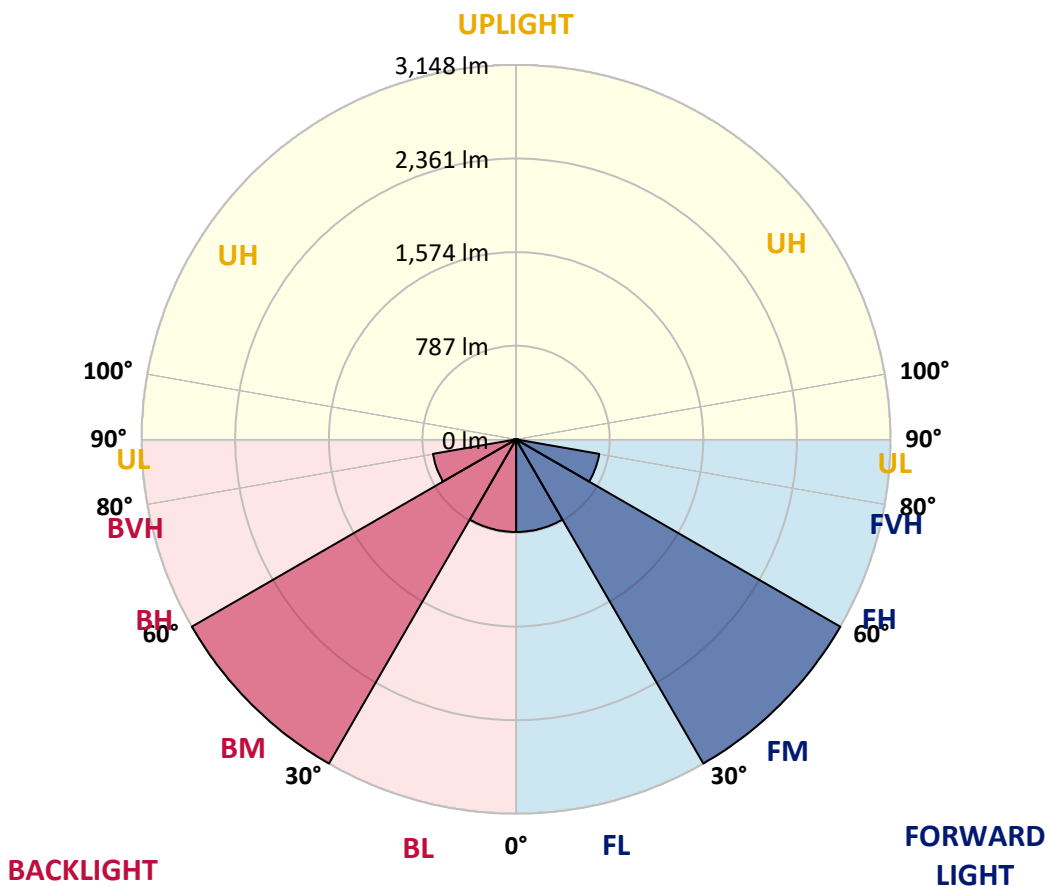
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	778.6	8.4			
FM (30°-60°)	3147.8	33.8			
FH (60°-80°)	709.8	7.6			G1/1800
FVH (80°-90°)	18.6	0.2			G1/100
BL (0°-30°)	778.6	8.4	B2/1000		
BM (30°-60°)	3147.8	33.8	B3/5000		
BH (60°-80°)	709.8	7.6	B2/1000		G1/1800
BVH (80°-90°)	18.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1781.3	1781.3	1781.3	1781.3	1781.3	1781.3	1781.3	1781.3	1781.3	1781.3	1781.3
2.5°	1770.6	1770.6	1774.4	1778.2	1779.8	1786.6	1785.9	1783.6	1782.0	1777.5	1783.6
5°	1774.4	1774.4	1777.5	1779.8	1779.0	1784.3	1782.0	1778.2	1775.9	1771.4	1778.2
7.5°	1773.7	1773.7	1775.9	1778.2	1776.7	1781.3	1777.5	1772.1	1768.3	1763.8	1769.9
10°	1763.8	1765.3	1767.6	1772.9	1775.2	1782.0	1776.7	1768.3	1762.2	1756.9	1763.0
12.5°	1762.2	1763.8	1766.8	1773.7	1777.5	1787.4	1780.5	1766.8	1757.7	1750.8	1756.9
15°	1769.1	1770.6	1775.2	1783.6	1789.7	1800.3	1790.4	1771.4	1758.4	1749.3	1754.6
17.5°	1777.5	1779.8	1786.6	1798.8	1808.7	1820.2	1808.0	1785.1	1766.8	1754.6	1759.2
20°	1786.6	1789.7	1800.3	1818.6	1836.9	1851.4	1836.2	1805.7	1783.6	1767.6	1772.1
22.5°	1802.6	1806.4	1820.2	1846.1	1873.5	1894.9	1875.8	1834.6	1805.7	1785.1	1788.9
25°	1835.4	1840.0	1857.5	1888.8	1927.6	1953.5	1926.9	1880.4	1840.0	1814.8	1818.6
27.5°	1893.3	1895.6	1918.5	1959.6	2007.7	2037.4	2005.4	1950.5	1905.5	1876.6	1879.6
30°	1969.6	1976.4	1999.3	2053.4	2110.6	2150.2	2108.3	2043.5	1991.7	1956.6	1959.6
32.5°	2062.5	2067.1	2101.4	2157.8	2240.1	2285.9	2228.7	2151.7	2089.2	2046.5	2049.6
35°	2184.5	2188.3	2221.1	2292.7	2392.6	2435.3	2369.7	2281.3	2208.9	2168.5	2179.9
37.5°	2330.1	2336.9	2360.6	2431.5	2542.7	2584.7	2509.2	2426.9	2351.4	2314.1	2322.5
40°	2486.3	2485.6	2504.6	2567.1	2668.5	2694.4	2626.6	2561.0	2496.2	2471.8	2485.6
42.5°	2620.5	2616.7	2630.4	2682.2	2752.3	2754.6	2709.7	2673.1	2627.3	2610.6	2623.5
45°	2714.2	2715.8	2736.3	2772.2	2808.0	2788.9	2775.2	2769.1	2733.3	2710.4	2712.7
47.5°	2788.2	2794.3	2827.0	2851.4	2856.0	2824.0	2843.0	2852.2	2822.5	2787.4	2777.5
50°	2853.7	2863.6	2906.3	2932.2	2922.3	2881.9	2919.3	2933.0	2867.4	2800.4	2780.5
52.5°	2972.6	2984.1	3035.9	3069.4	3058.0	3017.6	3052.7	3003.9	2893.4	2811.0	2785.9
55°	3162.4	3167.7	3231.0	3285.9	3280.6	3231.0	3202.8	3094.6	2960.4	2875.1	2851.4
57.5°	3122.0	3131.2	3240.9	3387.3	3469.6	3424.6	3259.2	3074.8	2892.6	2789.7	2757.7
60°	2456.6	2478.7	2615.1	2872.8	3174.6	3173.8	2866.7	2580.1	2360.6	2224.1	2210.4
62.5°	1434.5	1449.7	1574.0	1834.6	2105.2	2122.0	1906.3	1709.6	1517.6	1425.3	1381.1
65°	679.1	678.4	727.9	845.3	1028.2	1042.7	977.9	870.4	756.9	725.6	717.2
67.5°	501.5	501.5	497.7	506.1	541.2	548.8	541.2	523.6	513.0	519.8	515.3
70°	435.2	436.0	431.4	429.1	429.1	426.8	429.9	436.7	441.3	450.5	445.9
72.5°	352.9	353.7	353.7	354.4	355.2	352.1	356.7	360.5	361.3	364.3	361.3
75°	250.8	252.3	256.9	260.7	263.7	263.7	265.2	266.0	263.0	266.8	260.7
77.5°	138.0	139.5	147.9	154.7	161.6	162.4	164.6	166.2	164.6	167.7	163.1
80°	76.2	77.7	81.6	84.6	89.9	94.5	97.6	99.1	99.1	101.4	99.1
82.5°	43.4	45.0	47.3	48.8	53.4	57.2	60.2	62.5	62.5	63.3	61.7
85°	20.6	20.6	22.1	23.6	25.9	27.4	31.3	33.5	33.5	35.1	33.5
87.5°	3.0	3.8	4.6	4.6	6.1	7.6	9.1	9.9	11.4	12.2	12.2
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)