

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: P642582

Luminaire Tested: GWS-SA6D-730-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642582  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-730-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

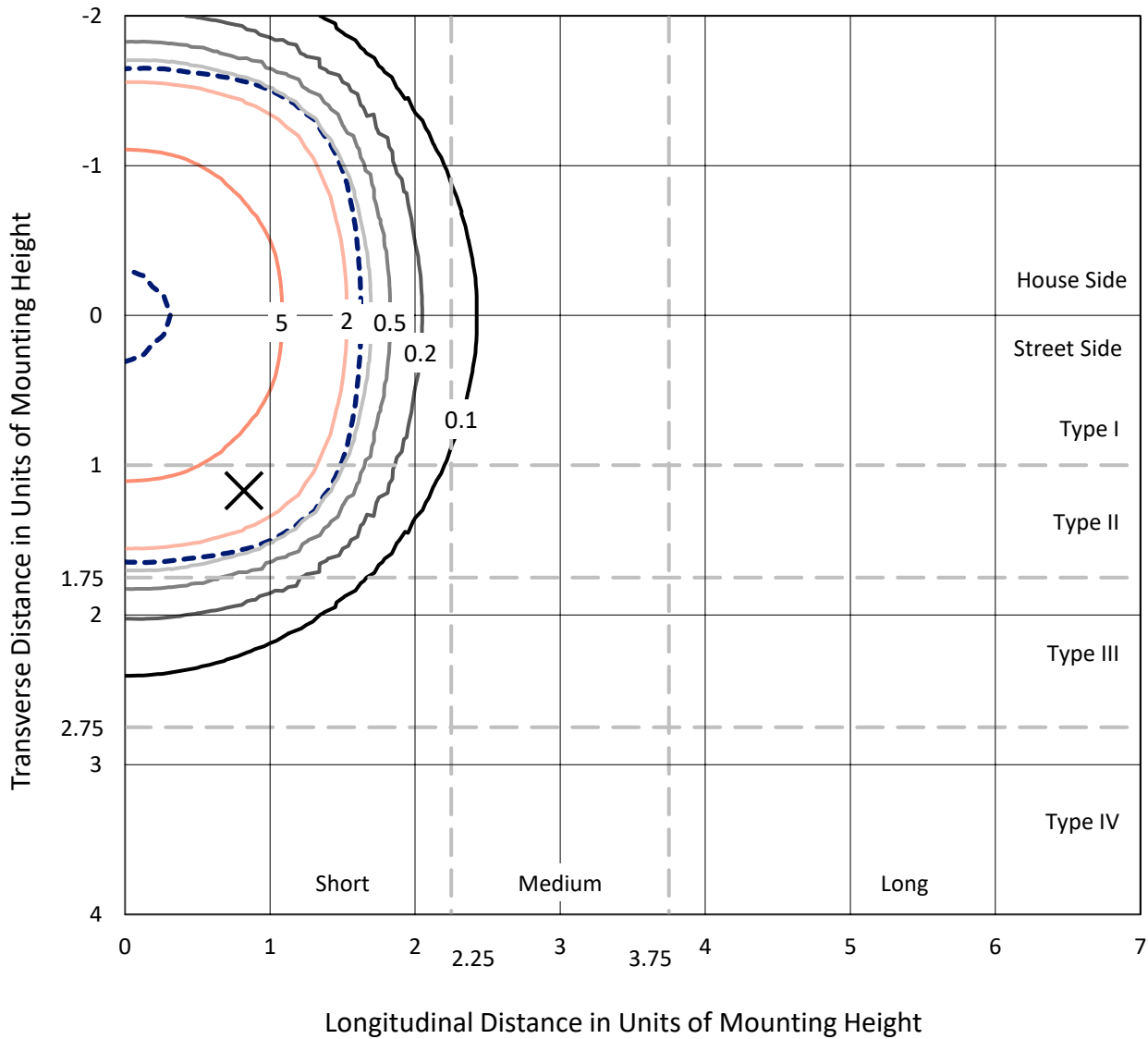
Lumens per Lamp: N/A  
Luminaire Lumens: 29571.6 lumens  
Efficiency: N/A  
Efficacy: 120.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

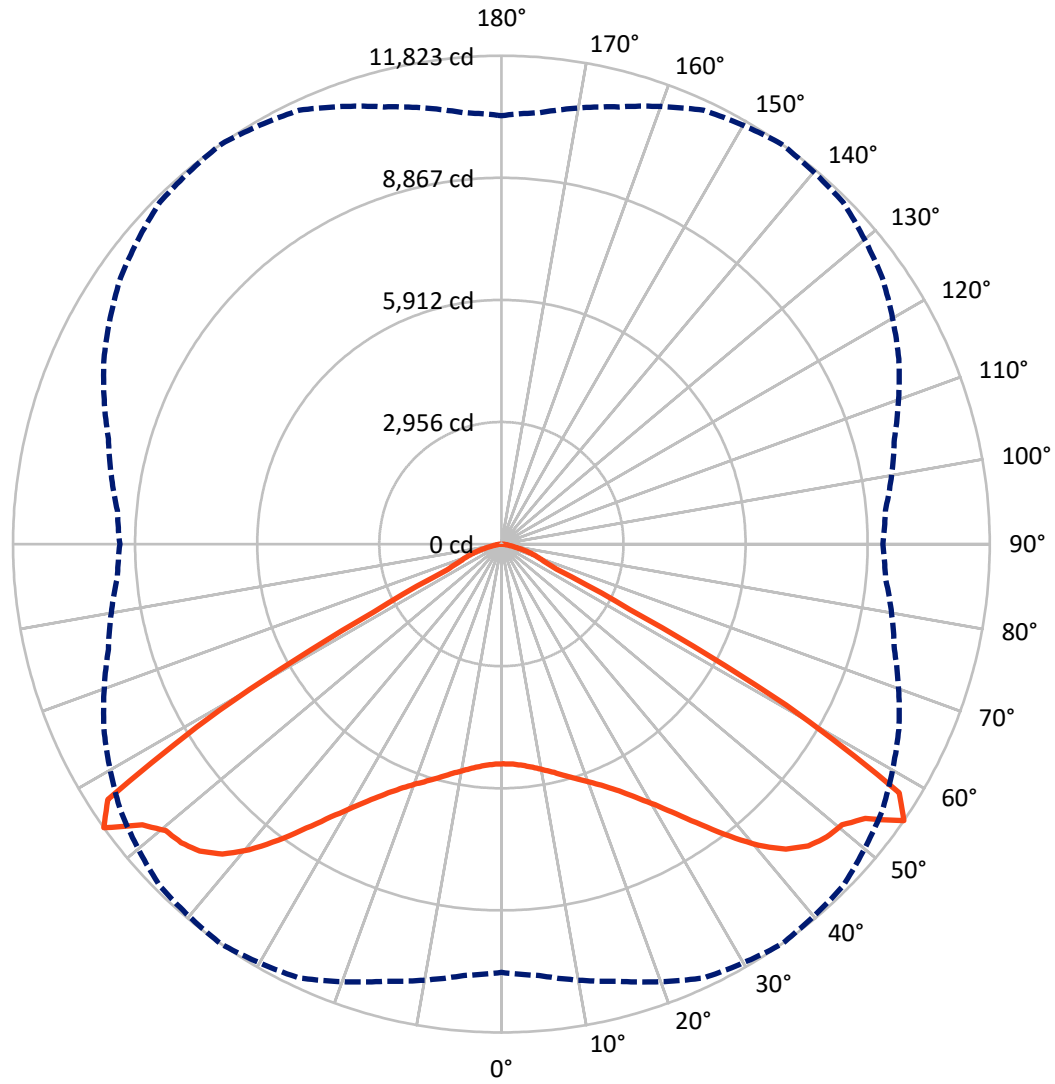
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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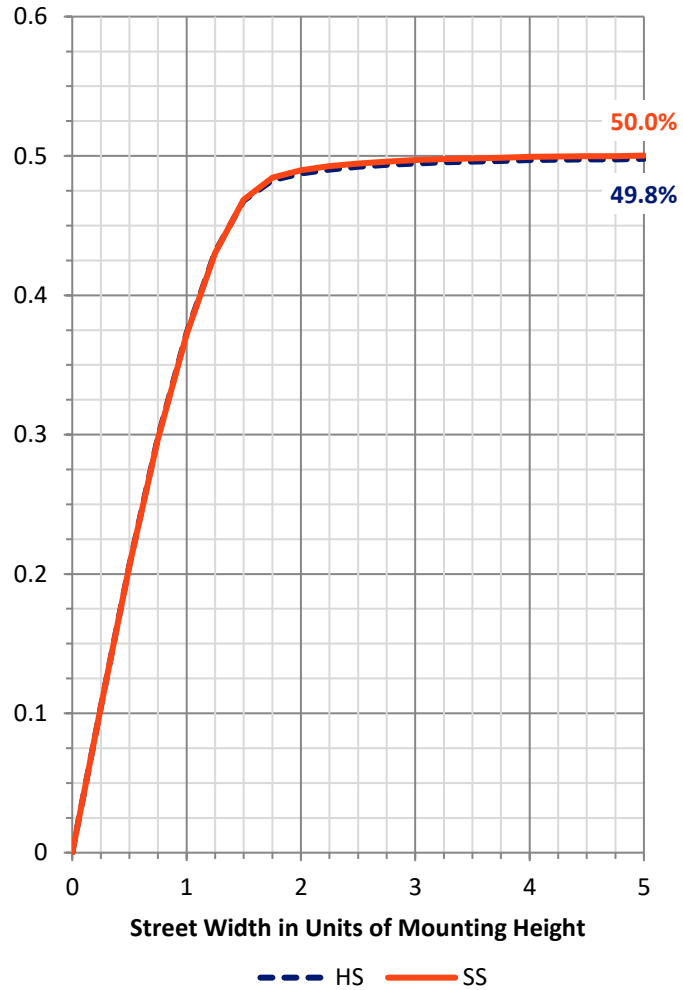
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14785.8	0.0	14785.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14785.8	0.0	14785.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29571.6	0.0	29571.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	518.9	1.8
10°-20°	1652.1	5.6
20°-30°	3057.6	10.3
30°-40°	5114.8	17.3
40°-50°	7794.1	26.4
50°-60°	8731.1	29.5
60°-70°	2065.8	7.0
70°-80°	557.0	1.9
80°-90°	80.2	0.3
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°	29571.6	100.0
0°-180°	29571.6	100.0

**Coefficient of Utilization**



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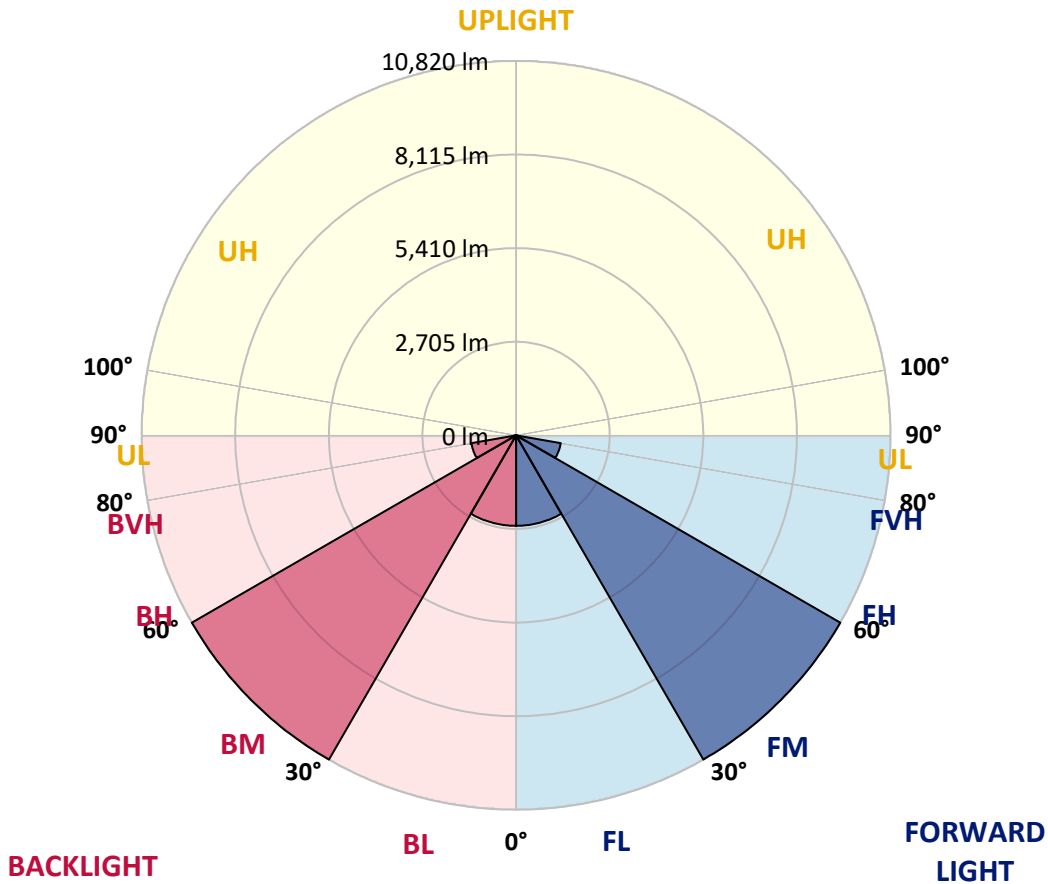
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2614.3	8.8			
FM (30°-60°)	10820.0	36.6			
FH (60°-80°)	1311.4	4.4			G1/1800
FVH (80°-90°)	40.1	0.1			G1/100
BL (0°-30°)	2614.3	8.8	B4/5000		
BM (30°-60°)	10820.0	36.6	B5		
BH (60°-80°)	1311.4	4.4	B3/2500		G1/1800
BVH (80°-90°)	40.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5320.0	5320.0	5320.0	5320.0	5320.0	5320.0	5320.0	5320.0	5320.0	5320.0	5320.0
2.5°	5308.3	5308.3	5317.7	5329.4	5331.7	5355.1	5350.4	5341.1	5336.4	5327.0	5348.1
5°	5366.8	5369.1	5376.1	5383.1	5378.5	5397.2	5390.2	5378.5	5371.5	5359.8	5380.8
7.5°	5443.9	5443.9	5451.0	5460.3	5455.6	5483.7	5469.7	5453.3	5441.6	5427.6	5446.3
10°	5514.1	5518.8	5525.8	5544.5	5553.9	5584.3	5574.9	5551.5	5532.8	5516.4	5537.5
12.5°	5619.3	5624.0	5631.0	5656.7	5673.1	5703.5	5689.5	5656.7	5628.7	5605.3	5628.7
15°	5755.0	5750.3	5769.0	5801.7	5822.8	5850.8	5834.5	5778.3	5740.9	5710.5	5733.9
17.5°	5892.9	5890.6	5909.3	5951.4	5981.8	6019.2	5991.1	5925.7	5885.9	5848.5	5871.9
20°	6042.6	6049.6	6068.3	6108.1	6152.5	6201.6	6178.2	6108.1	6063.6	6021.6	6040.3
22.5°	6227.3	6229.7	6250.7	6302.2	6360.6	6407.4	6393.4	6306.8	6250.7	6206.3	6229.7
25°	6449.5	6447.2	6475.2	6536.0	6617.9	6664.6	6634.2	6538.4	6477.6	6426.1	6444.8
27.5°	6704.4	6702.0	6744.1	6823.6	6940.6	7006.0	6942.9	6823.6	6739.5	6667.0	6683.3
30°	7024.8	7017.7	7064.5	7172.1	7324.1	7434.0	7340.4	7174.4	7064.5	6987.3	7003.7
32.5°	7380.2	7389.6	7448.0	7593.0	7784.8	7927.4	7787.1	7602.4	7455.0	7342.8	7361.5
35°	7770.7	7770.7	7890.0	8070.0	8343.6	8533.1	8315.6	8049.0	7852.6	7698.2	7702.9
37.5°	8205.7	8210.4	8367.0	8614.9	8972.7	9194.8	8900.2	8570.5	8332.0	8165.9	8156.6
40°	8736.5	8750.5	8911.9	9187.8	9590.0	9793.5	9477.8	9155.1	8911.9	8715.5	8696.8
42.5°	9335.2	9339.8	9510.5	9758.4	10097.5	10219.1	9971.2	9707.0	9508.2	9330.5	9311.8
45°	9905.7	9894.0	10041.4	10226.1	10422.5	10434.2	10296.3	10188.7	10015.6	9863.6	9835.6
47.5°	10350.1	10340.7	10474.0	10574.5	10597.9	10483.3	10527.8	10544.1	10343.0	10137.3	10083.5
50°	10621.3	10640.0	10766.3	10822.4	10684.5	10497.4	10665.7	10623.7	10336.0	10067.1	9980.6
52.5°	10785.0	10813.1	11032.9	11175.5	11032.9	10855.2	10878.5	10630.7	10216.8	9861.3	9749.1
55°	10371.1	10483.3	10958.1	11589.4	11823.3	11699.3	11255.0	10616.6	9849.6	9332.8	9236.9
57.5°	7686.5	7864.3	8568.1	9936.1	11357.9	11809.3	10511.4	8900.2	7738.0	7073.9	7017.7
60°	3923.9	4122.7	4686.3	6091.7	7920.4	8556.4	7321.7	5698.8	4529.6	3991.8	3931.0
62.5°	1601.8	1634.6	1819.3	2361.9	3500.7	4038.5	3547.5	2490.5	1870.8	1723.4	1725.8
65°	1260.4	1267.4	1258.1	1290.8	1466.2	1627.6	1503.6	1321.2	1288.5	1304.9	1293.2
67.5°	1099.1	1101.4	1094.4	1094.4	1101.4	1094.4	1108.4	1115.4	1120.1	1138.8	1127.1
70°	919.0	921.4	921.4	926.0	923.7	912.0	933.0	942.4	944.7	956.4	949.4
72.5°	710.9	717.9	722.6	724.9	722.6	715.6	727.3	743.6	741.3	753.0	741.3
75°	481.7	491.1	495.8	505.1	502.8	502.8	516.8	523.8	516.8	526.2	516.8
77.5°	273.6	280.6	294.6	304.0	313.4	320.4	329.7	334.4	332.1	336.7	332.1
80°	159.0	161.4	173.0	177.7	189.4	201.1	210.5	215.1	217.5	219.8	217.5
82.5°	91.2	93.5	98.2	102.9	112.2	121.6	131.0	138.0	138.0	140.3	138.0
85°	44.4	44.4	46.8	49.1	53.8	60.8	67.8	74.8	77.2	77.2	77.2
87.5°	7.0	7.0	9.4	9.4	11.7	14.0	18.7	23.4	25.7	25.7	25.7
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)