

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: P640104

Luminaire Tested: GWS-SA5D-730-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640104  
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-SA5D-730-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (80) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

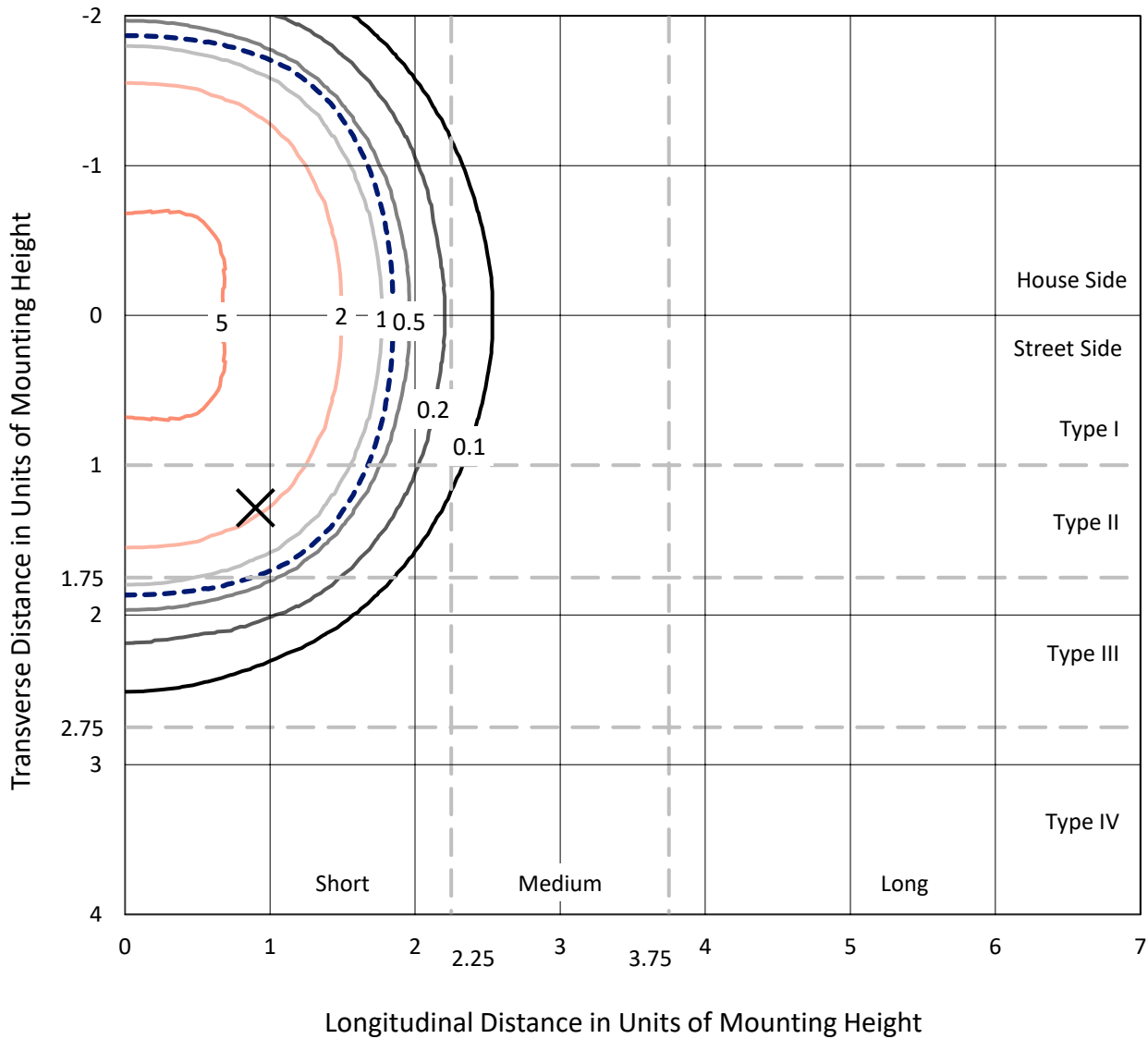
Lumens per Lamp: N/A  
Luminaire Lumens: 23952.3 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 204.6  
Input Voltage (V): 120  
Input Current (Ain): 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

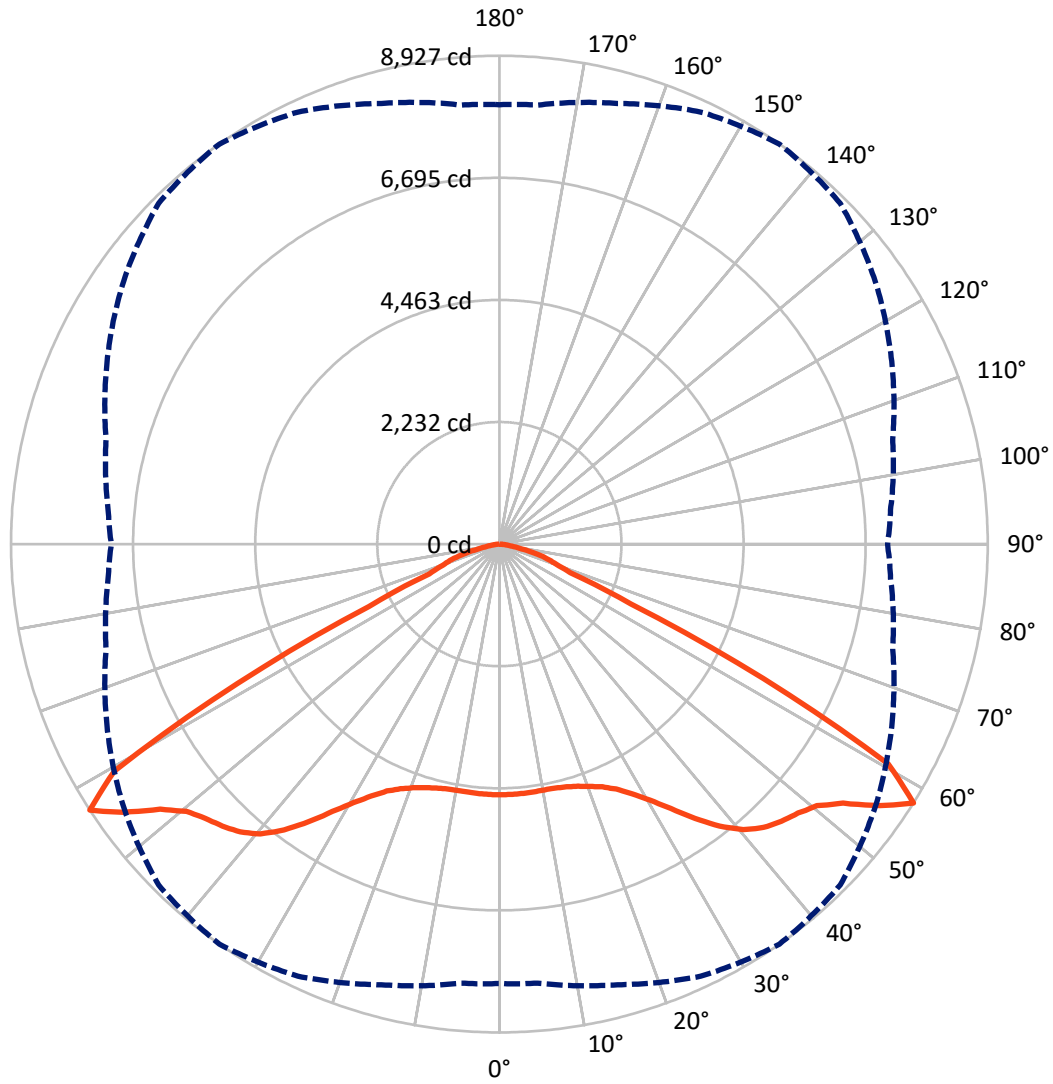
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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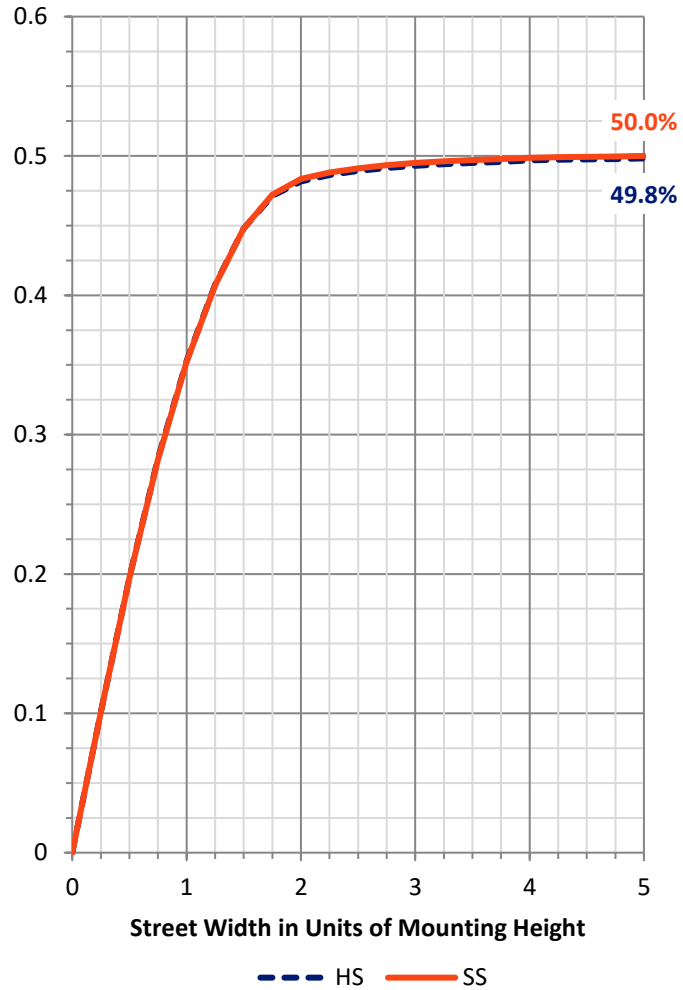
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11976.1	0.0	11976.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11976.1	0.0	11976.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23952.3	0.0	23952.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	436.0	1.8
10°-20°	1300.8	5.4
20°-30°	2269.6	9.5
30°-40°	3721.7	15.5
40°-50°	5481.2	22.9
50°-60°	6995.0	29.2
60°-70°	2948.0	12.3
70°-80°	704.2	2.9
80°-90°	95.8	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°	23952.3	100.0
0°-180°	23952.3	100.0

**Coefficient of Utilization**



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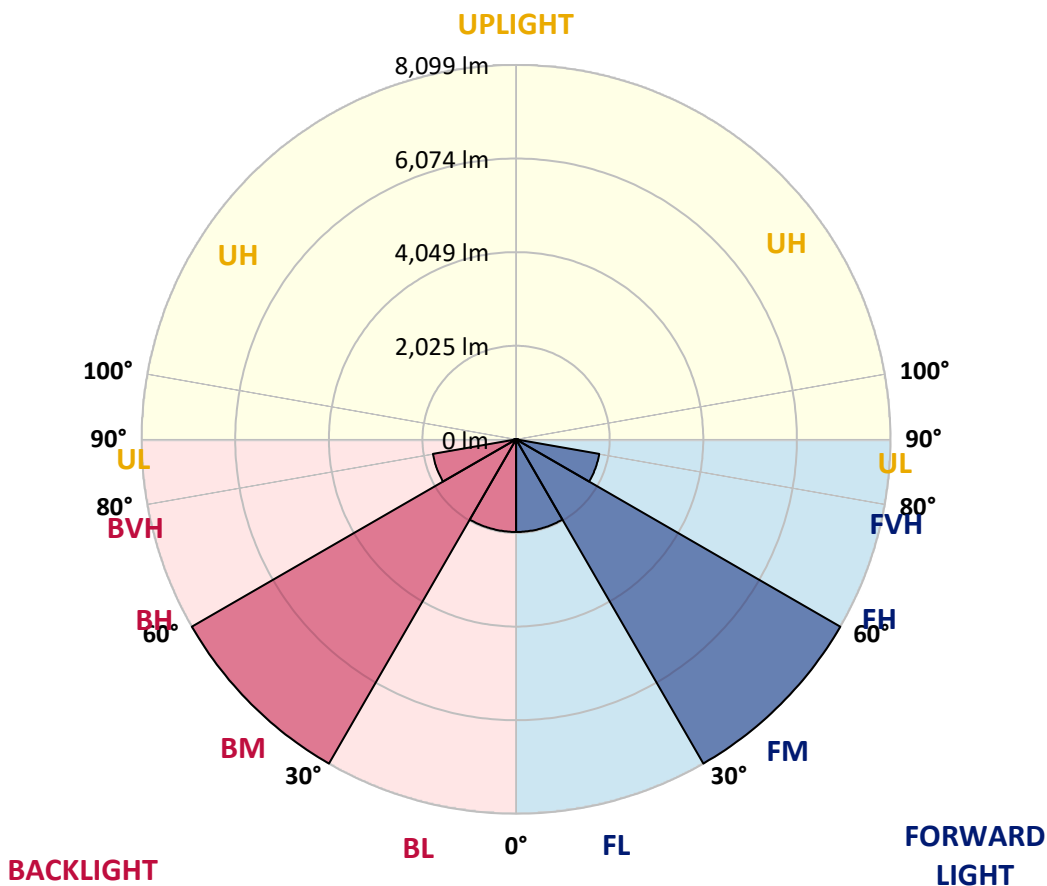
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2003.2	8.4			
FM (30°-60°)	8098.9	33.8			
FH (60°-80°)	1826.1	7.6			G2/5000
FVH (80°-90°)	47.9	0.2			G1/100
BL (0°-30°)	2003.2	8.4	B3/2500		
BM (30°-60°)	8098.9	33.8	B4/8500		
BH (60°-80°)	1826.1	7.6	B3/2500		G2/5000
BVH (80°-90°)	47.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4583.0	4583.0	4583.0	4583.0	4583.0	4583.0	4583.0	4583.0	4583.0	4583.0	4583.0
2.5°	4555.5	4555.5	4565.3	4575.2	4579.1	4596.7	4594.8	4588.9	4585.0	4573.2	4588.9
5°	4565.3	4565.3	4573.2	4579.1	4577.1	4590.8	4585.0	4575.2	4569.3	4557.5	4575.2
7.5°	4563.4	4563.4	4569.3	4575.2	4571.2	4583.0	4573.2	4559.5	4549.7	4537.9	4553.6
10°	4537.9	4541.8	4547.7	4561.4	4567.3	4585.0	4571.2	4549.7	4534.0	4520.2	4535.9
12.5°	4534.0	4537.9	4545.7	4563.4	4573.2	4598.7	4581.0	4545.7	4522.2	4504.6	4520.2
15°	4551.6	4555.5	4567.3	4588.9	4604.6	4632.0	4606.5	4557.5	4524.2	4500.6	4514.4
17.5°	4573.2	4579.1	4596.7	4628.1	4653.6	4683.0	4651.6	4592.8	4545.7	4514.4	4526.1
20°	4596.7	4604.6	4632.0	4679.1	4726.2	4763.4	4724.2	4645.8	4588.9	4547.7	4559.5
22.5°	4637.9	4647.7	4683.0	4749.7	4820.3	4875.2	4826.2	4720.3	4645.8	4592.8	4602.6
25°	4722.2	4734.0	4779.1	4859.5	4959.5	5026.2	4957.6	4837.9	4734.0	4669.3	4679.1
27.5°	4871.3	4877.2	4936.0	5041.9	5165.4	5241.9	5159.6	5018.4	4902.7	4828.1	4836.0
30°	5067.4	5085.0	5143.9	5283.1	5430.2	5532.2	5424.3	5257.6	5124.3	5034.0	5041.9
32.5°	5306.6	5318.4	5406.6	5551.8	5763.6	5881.2	5734.1	5536.1	5375.3	5265.4	5273.3
35°	5620.4	5630.2	5714.5	5898.9	6155.8	6265.6	6096.9	5869.5	5683.2	5579.2	5608.6
37.5°	5995.0	6012.6	6073.4	6255.8	6542.1	6650.0	6455.8	6244.0	6049.9	5953.8	5975.4
40°	6397.0	6395.0	6444.0	6604.9	6865.7	6932.3	6757.8	6589.2	6422.5	6359.7	6395.0
42.5°	6742.1	6732.3	6767.6	6901.0	7081.4	7087.3	6971.6	6877.4	6759.8	6716.6	6750.0
45°	6983.3	6987.3	7040.2	7132.4	7224.5	7175.5	7140.2	7124.5	7032.4	6973.5	6979.4
47.5°	7173.6	7189.2	7273.6	7336.3	7348.1	7265.7	7314.8	7338.3	7261.8	7171.6	7146.1
50°	7342.2	7367.7	7477.5	7544.2	7518.7	7414.8	7510.9	7546.2	7377.5	7204.9	7153.9
52.5°	7648.1	7677.6	7810.9	7897.2	7867.8	7763.8	7854.0	7728.5	7444.2	7232.4	7167.7
55°	8136.4	8150.2	8312.9	8454.1	8440.4	8312.9	8240.4	7961.9	7616.8	7397.1	7336.3
57.5°	8032.5	8056.0	8338.4	8715.0	8926.7	8811.0	8385.5	7910.9	7442.2	7177.5	7095.1
60°	6320.5	6377.4	6728.4	7391.2	8167.8	8165.9	7375.5	6638.2	6073.4	5722.4	5687.1
62.5°	3690.7	3729.9	4049.6	4720.3	5416.4	5459.6	4904.6	4398.7	3904.5	3667.2	3553.4
65°	1747.3	1745.3	1872.8	2174.8	2645.5	2682.7	2516.0	2239.5	1947.3	1866.9	1845.4
67.5°	1290.4	1290.4	1280.6	1302.1	1392.4	1412.0	1392.4	1347.2	1319.8	1337.4	1325.7
70°	1119.8	1121.7	1110.0	1104.1	1104.1	1098.2	1106.0	1123.7	1135.5	1159.0	1147.2
72.5°	908.0	909.9	909.9	911.9	913.9	906.0	917.8	927.6	929.5	937.4	929.5
75°	645.2	649.1	660.9	670.7	678.5	678.5	682.4	684.4	676.6	686.4	670.7
77.5°	355.0	358.9	380.4	398.1	415.7	417.7	423.6	427.5	423.6	431.4	419.7
80°	196.1	200.0	209.8	217.7	231.4	243.2	251.0	254.9	254.9	260.8	254.9
82.5°	111.8	115.7	121.6	125.5	137.3	147.1	154.9	160.8	160.8	162.8	158.8
85°	52.9	52.9	56.9	60.8	66.7	70.6	80.4	86.3	86.3	90.2	86.3
87.5°	7.8	9.8	11.8	11.8	15.7	19.6	23.5	25.5	29.4	31.4	31.4
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)