

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: P640272

Luminaire Tested: GWS-SA5D-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640272  
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-SA5D-750-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

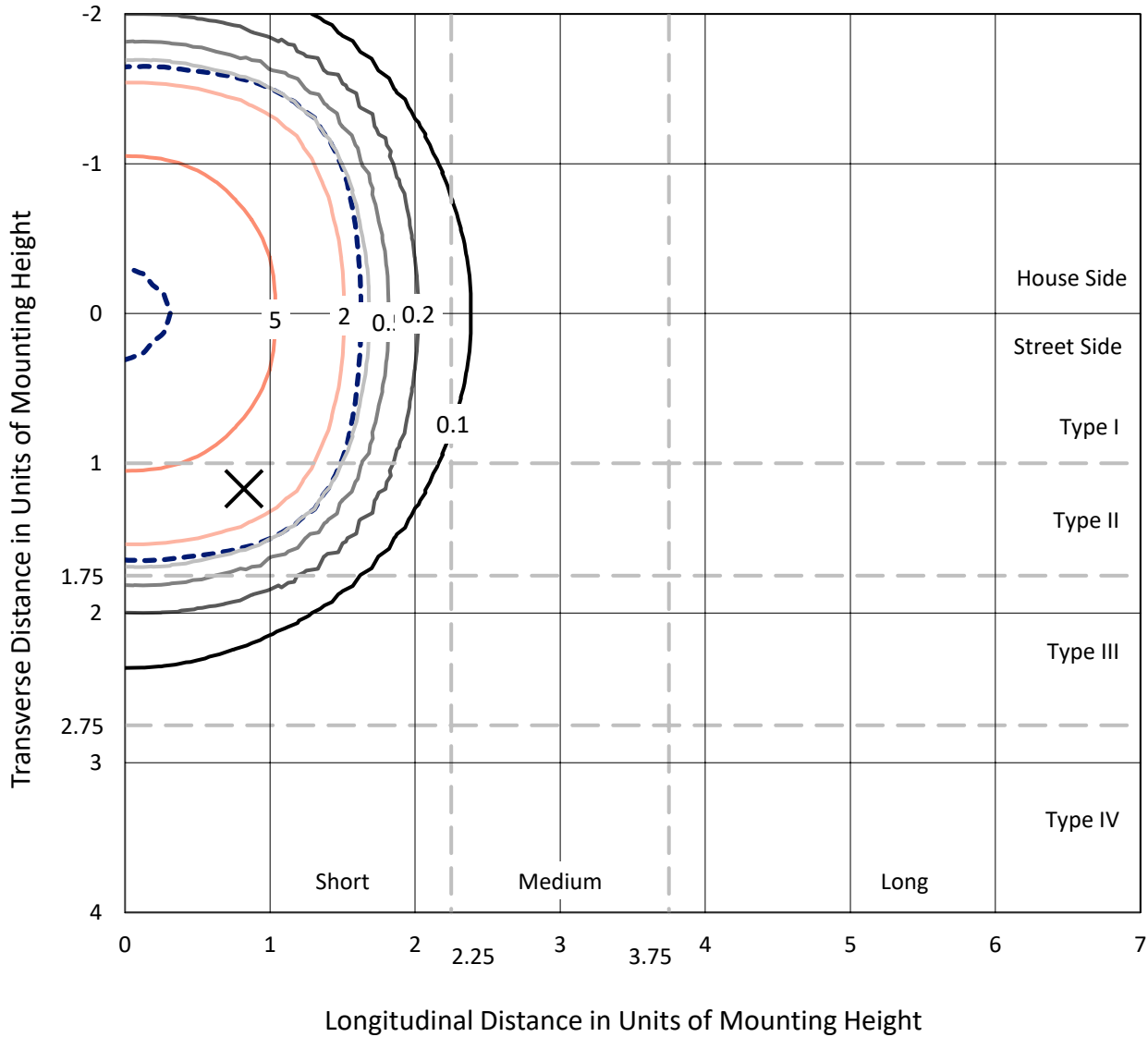
Lumens per Lamp: N/A  
Luminaire Lumens: 27857.8 lumens  
Efficiency: N/A  
Efficacy: 136.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1  
  
Input Watts (W): 204.6  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P640272  
 CATALOG NUMBER: GWS-SA5D-750-U-5NQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

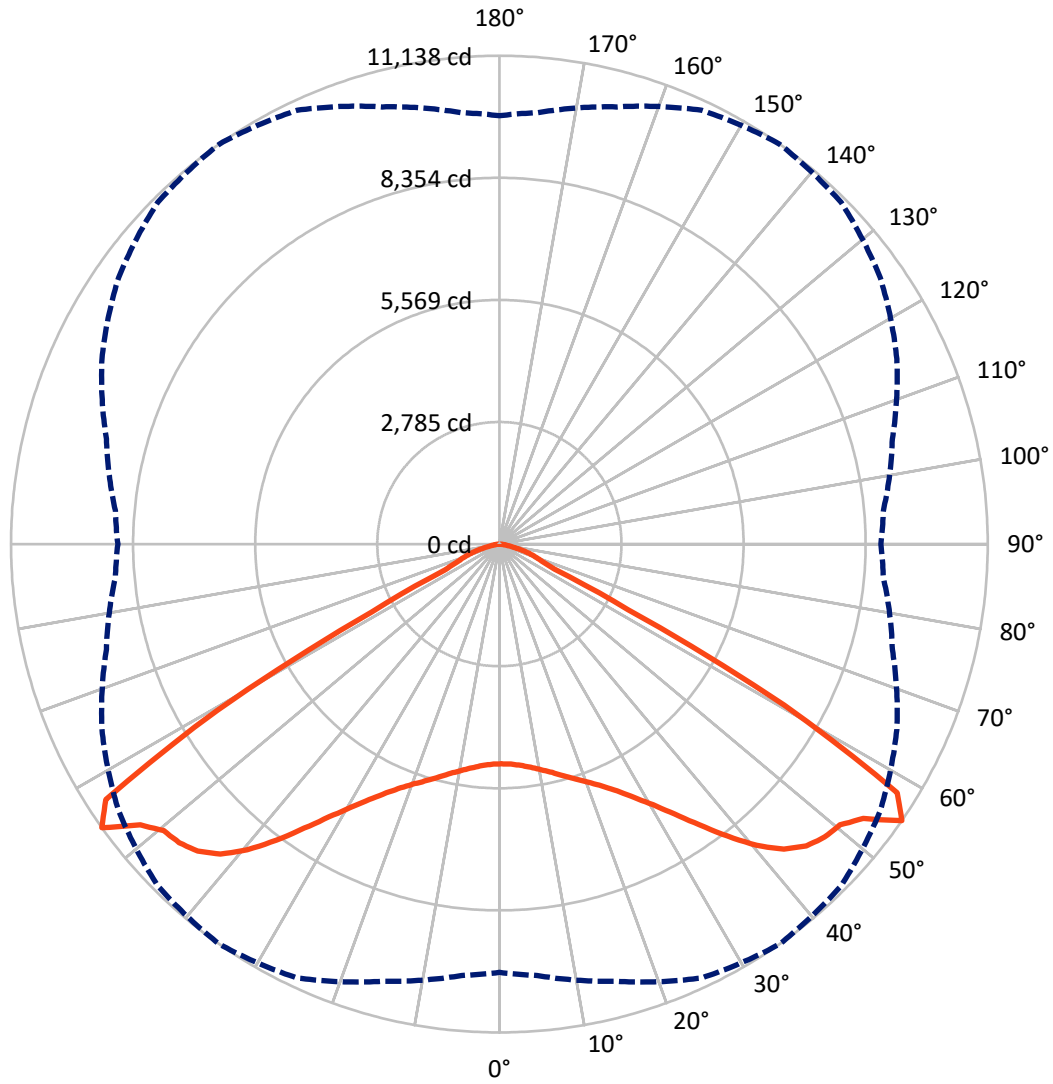
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc  
 Type V - Short - N/A

REPORT NUMBER: P640272  
CATALOG NUMBER: GWS-SA5D-750-U-5NQ-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P640272

CATALOG NUMBER: GWS-SA5D-750-U-5NQ-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13928.9	0.0	13928.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13928.9	0.0	13928.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27857.8	0.0	27857.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	488.8	1.8
10°-20°	1556.3	5.6
20°-30°	2880.4	10.3
30°-40°	4818.4	17.3
40°-50°	7342.4	26.4
50°-60°	8225.1	29.5
60°-70°	1946.1	7.0
70°-80°	524.7	1.9
80°-90°	75.5	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°	27857.8	100.0
0°-180°	27857.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P640272

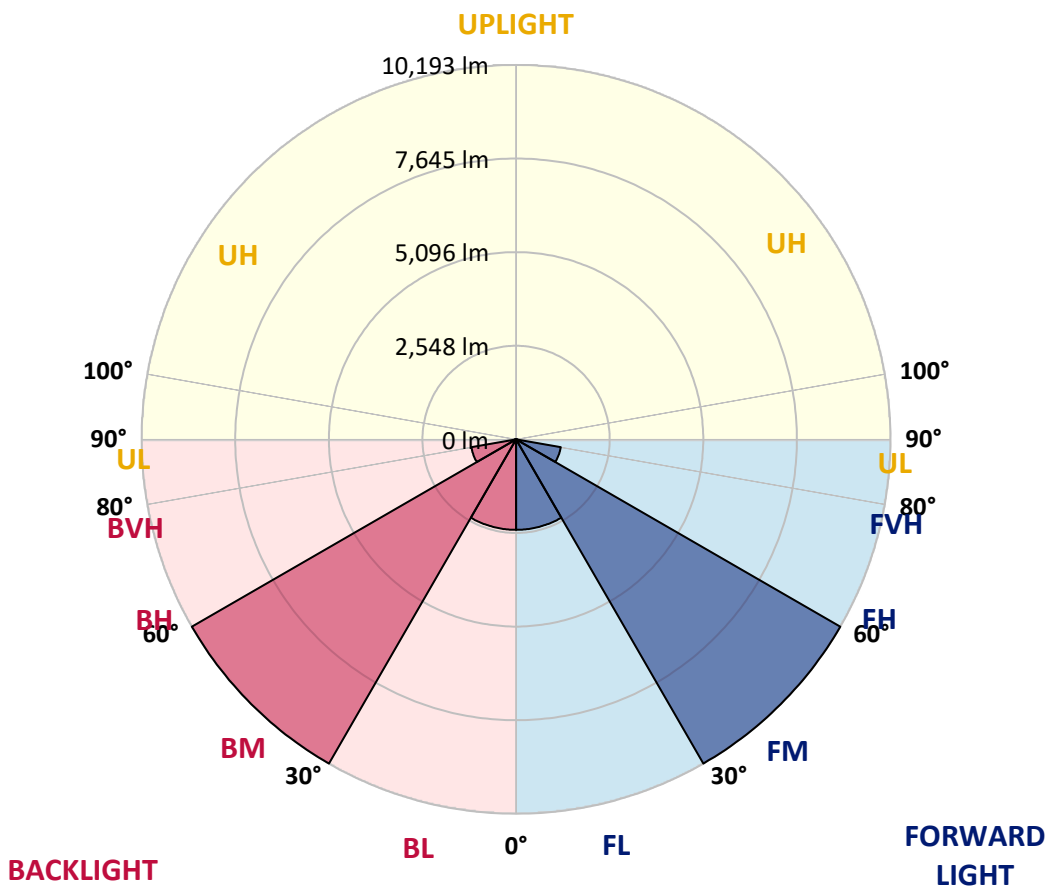
CATALOG NUMBER: GWS-SA5D-750-U-5NQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2462.8	8.8			
FM (30°-60°)	10193.0	36.6			
FH (60°-80°)	1235.4	4.4			G1/1800
FVH (80°-90°)	37.8	0.1			G1/100
BL (0°-30°)	2462.8	8.8	B3/2500		
BM (30°-60°)	10193.0	36.6	B5		
BH (60°-80°)	1235.4	4.4	B3/2500		G1/1800
BVH (80°-90°)	37.8	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





REPORT NUMBER: P640272

CATALOG NUMBER: GWS-SA5D-750-U-5NQ-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5011.7	5011.7	5011.7	5011.7	5011.7	5011.7	5011.7	5011.7	5011.7	5011.7	5011.7
2.5°	5000.7	5000.7	5009.5	5020.5	5022.7	5044.7	5040.3	5031.5	5027.1	5018.3	5038.1
5°	5055.8	5058.0	5064.6	5071.2	5066.8	5084.4	5077.8	5066.8	5060.2	5049.1	5069.0
7.5°	5128.4	5128.4	5135.1	5143.9	5139.5	5165.9	5152.7	5137.3	5126.2	5113.0	5130.7
10°	5194.5	5198.9	5205.6	5223.2	5232.0	5260.6	5251.8	5229.8	5212.2	5196.7	5216.6
12.5°	5293.7	5298.1	5304.7	5328.9	5344.3	5373.0	5359.8	5328.9	5302.5	5280.5	5302.5
15°	5421.4	5417.0	5434.7	5465.5	5485.3	5511.8	5496.3	5443.5	5408.2	5379.6	5401.6
17.5°	5551.4	5549.2	5566.8	5606.5	5635.1	5670.4	5643.9	5582.3	5544.8	5509.6	5531.6
20°	5692.4	5699.0	5716.6	5754.1	5795.9	5842.2	5820.2	5754.1	5712.2	5672.6	5690.2
22.5°	5866.4	5868.6	5888.5	5936.9	5992.0	6036.1	6022.8	5941.3	5888.5	5846.6	5868.6
25°	6075.7	6073.5	6099.9	6157.2	6234.3	6278.4	6249.7	6159.4	6102.1	6053.7	6071.3
27.5°	6315.8	6313.6	6353.3	6428.2	6538.3	6600.0	6540.5	6428.2	6348.9	6280.6	6296.0
30°	6617.6	6611.0	6655.1	6756.4	6899.6	7003.2	6915.0	6758.6	6655.1	6582.4	6597.8
32.5°	6952.5	6961.3	7016.4	7153.0	7333.6	7468.0	7335.8	7161.8	7023.0	6917.2	6934.9
35°	7320.4	7320.4	7432.7	7602.4	7860.1	8038.5	7833.7	7582.5	7397.5	7252.1	7256.5
37.5°	7730.1	7734.5	7882.1	8115.6	8452.7	8662.0	8384.4	8073.8	7849.1	7692.7	7683.9
40°	8230.2	8243.4	8395.4	8655.4	9034.3	9225.9	8928.5	8624.5	8395.4	8210.4	8192.7
42.5°	8794.1	8798.6	8959.4	9192.9	9512.3	9626.9	9393.3	9144.4	8957.2	8789.7	8772.1
45°	9331.7	9320.6	9459.4	9633.5	9818.5	9829.5	9699.6	9598.2	9435.2	9292.0	9265.6
47.5°	9750.2	9741.4	9867.0	9961.7	9983.7	9875.8	9917.6	9933.1	9743.6	9549.8	9499.1
50°	10005.8	10023.4	10142.3	10195.2	10065.2	9889.0	10047.6	10008.0	9737.0	9483.7	9402.2
52.5°	10160.0	10186.4	10393.5	10527.9	10393.5	10226.1	10248.1	10014.6	9624.7	9289.8	9184.1
55°	9770.0	9875.8	10323.0	10917.8	11138.1	11021.3	10602.8	10001.4	9278.8	8791.9	8701.6
57.5°	7241.1	7408.5	8071.6	9360.3	10699.7	11124.9	9902.2	8384.4	7289.5	6663.9	6611.0
60°	3696.5	3883.8	4414.7	5738.7	7461.4	8060.6	6897.4	5368.6	4267.1	3760.4	3703.1
62.5°	1509.0	1539.9	1713.9	2225.0	3297.8	3804.5	3341.9	2346.1	1762.4	1623.6	1625.8
65°	1187.4	1194.0	1185.2	1216.0	1381.2	1533.2	1416.5	1244.7	1213.8	1229.2	1218.2
67.5°	1035.4	1037.6	1031.0	1031.0	1037.6	1031.0	1044.2	1050.8	1055.2	1072.8	1061.8
70°	865.8	868.0	868.0	872.4	870.2	859.1	879.0	887.8	890.0	901.0	894.4
72.5°	669.7	676.3	680.7	682.9	680.7	674.1	685.1	700.5	698.3	709.3	698.3
75°	453.8	462.6	467.0	475.8	473.6	473.6	486.9	493.5	486.9	495.7	486.9
77.5°	257.7	264.4	277.6	286.4	295.2	301.8	310.6	315.0	312.8	317.2	312.8
80°	149.8	152.0	163.0	167.4	178.4	189.5	198.3	202.7	204.9	207.1	204.9
82.5°	85.9	88.1	92.5	96.9	105.7	114.6	123.4	130.0	130.0	132.2	130.0
85°	41.9	41.9	44.1	46.3	50.7	57.3	63.9	70.5	72.7	72.7	72.7
87.5°	6.6	6.6	8.8	8.8	11.0	13.2	17.6	22.0	24.2	24.2	24.2
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)