

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: P640327

Luminaire Tested: GWS-SA5D-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640327
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27476 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

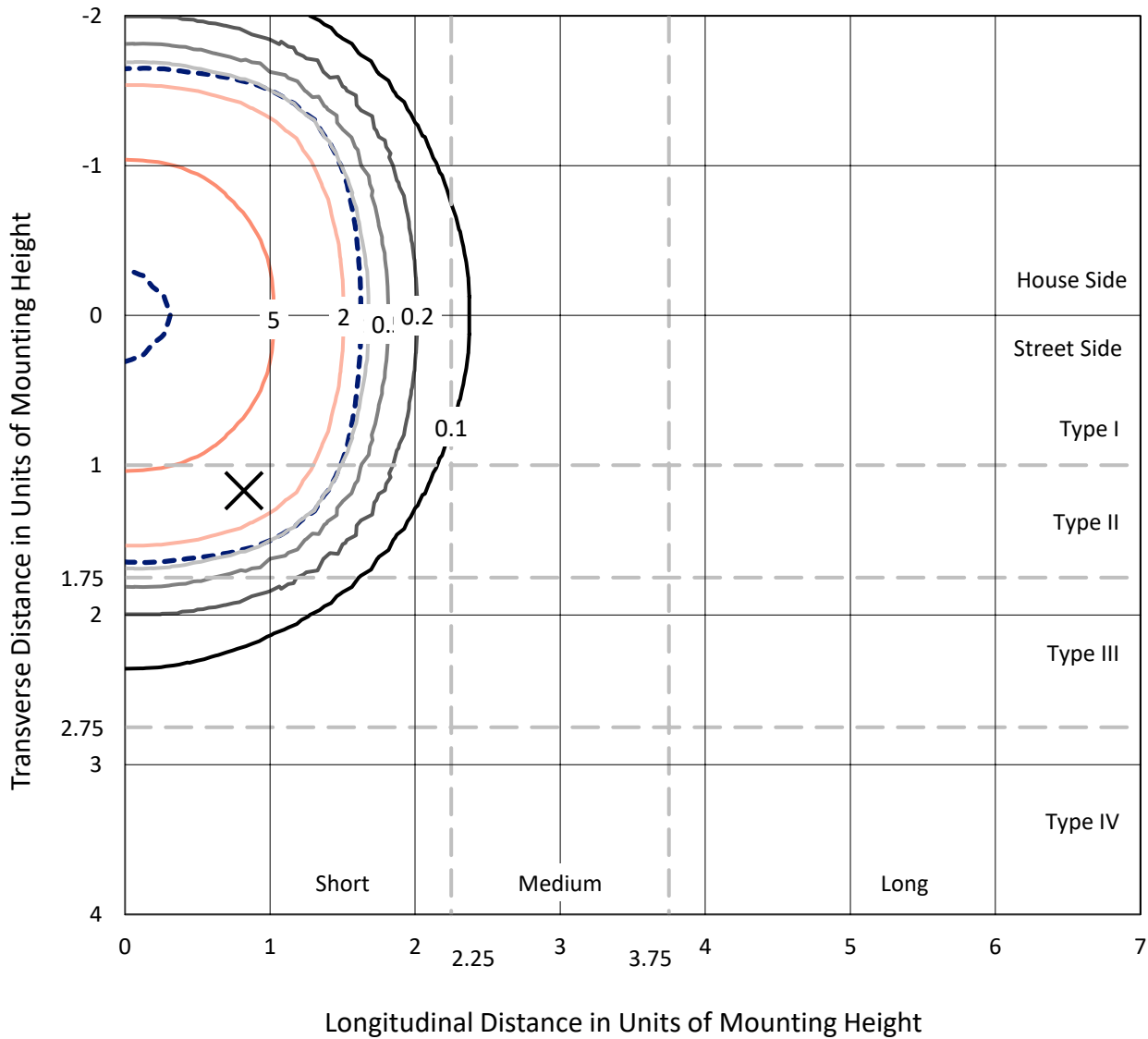
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640327
 CATALOG NUMBER: GWS-SA5D-760-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

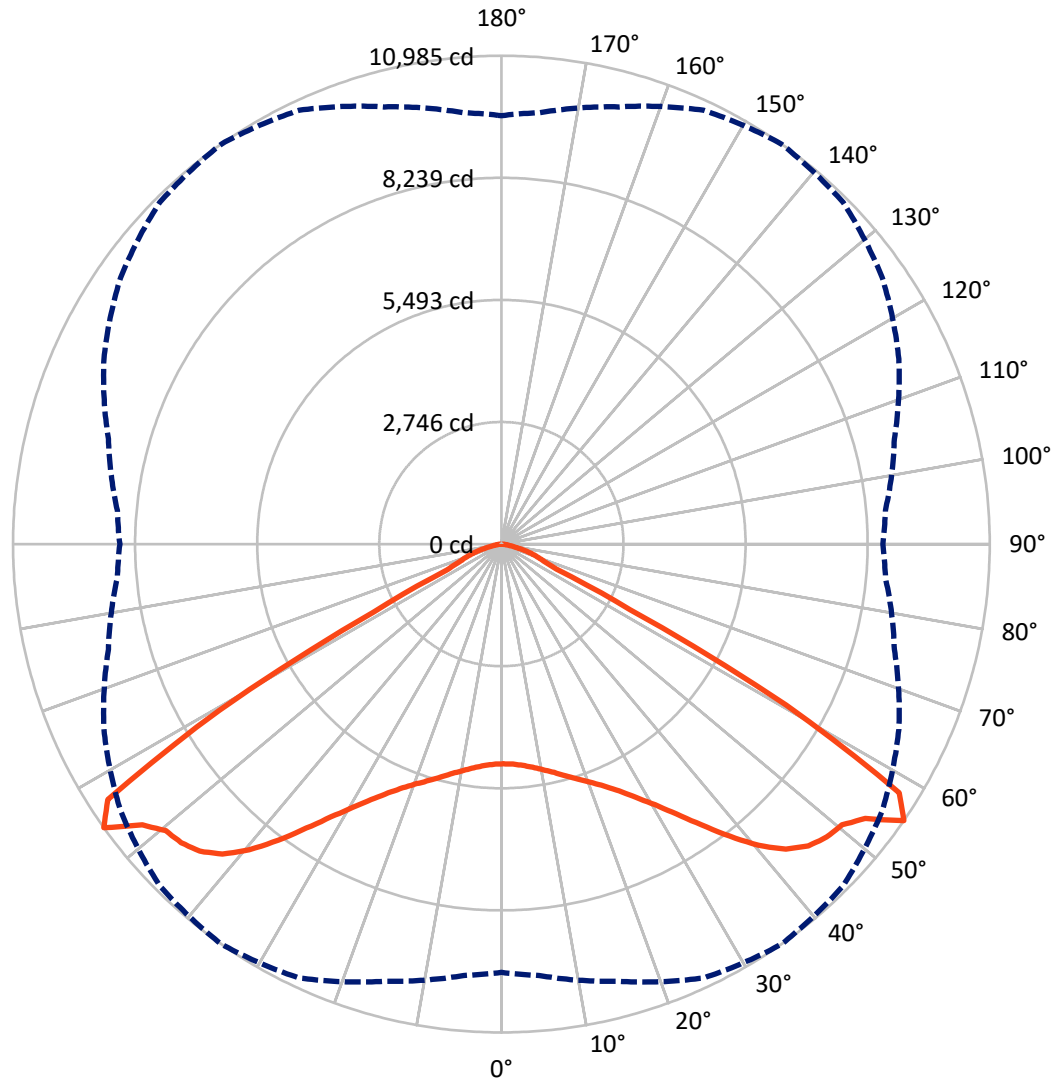
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type V - Short - N/A

REPORT NUMBER: P640327
CATALOG NUMBER: GWS-SA5D-760-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P640327

CATALOG NUMBER: GWS-SA5D-760-U-5NQ-W-GRSWH

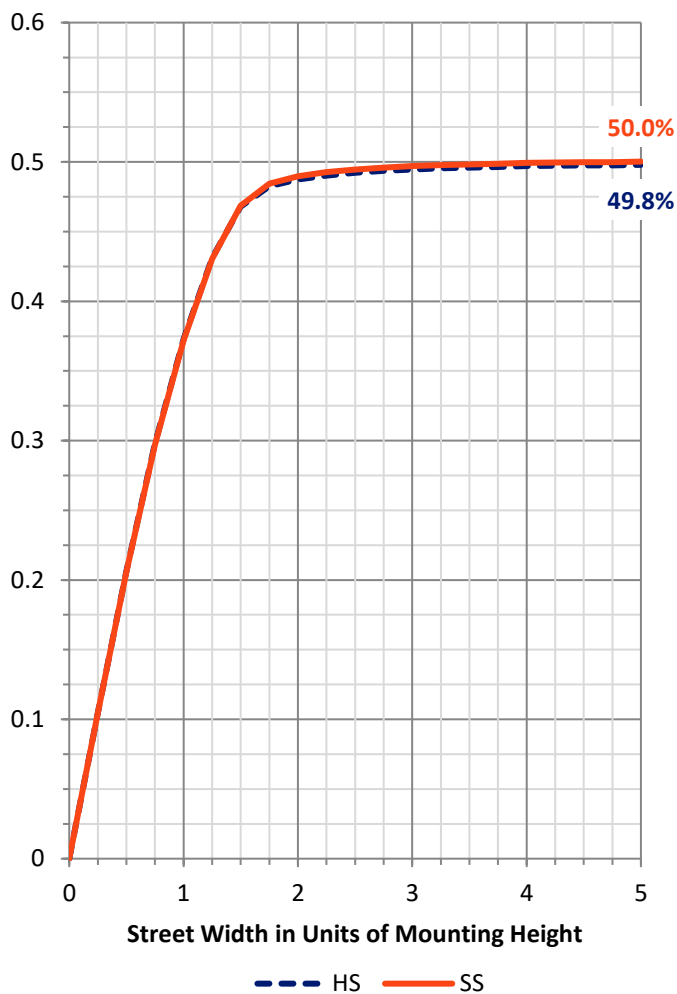
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13738.0	0.0	13738.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13738.0	0.0	13738.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27476.0	0.0	27476.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.1	1.8
10°-20°	1535.0	5.6
20°-30°	2841.0	10.3
30°-40°	4752.4	17.3
40°-50°	7241.8	26.4
50°-60°	8112.3	29.5
60°-70°	1919.5	7.0
70°-80°	517.5	1.9
80°-90°	74.5	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°	27476.0	100.0
0°-180°	27476.0	100.0

Coefficient of Utilization



REPORT NUMBER: P640327

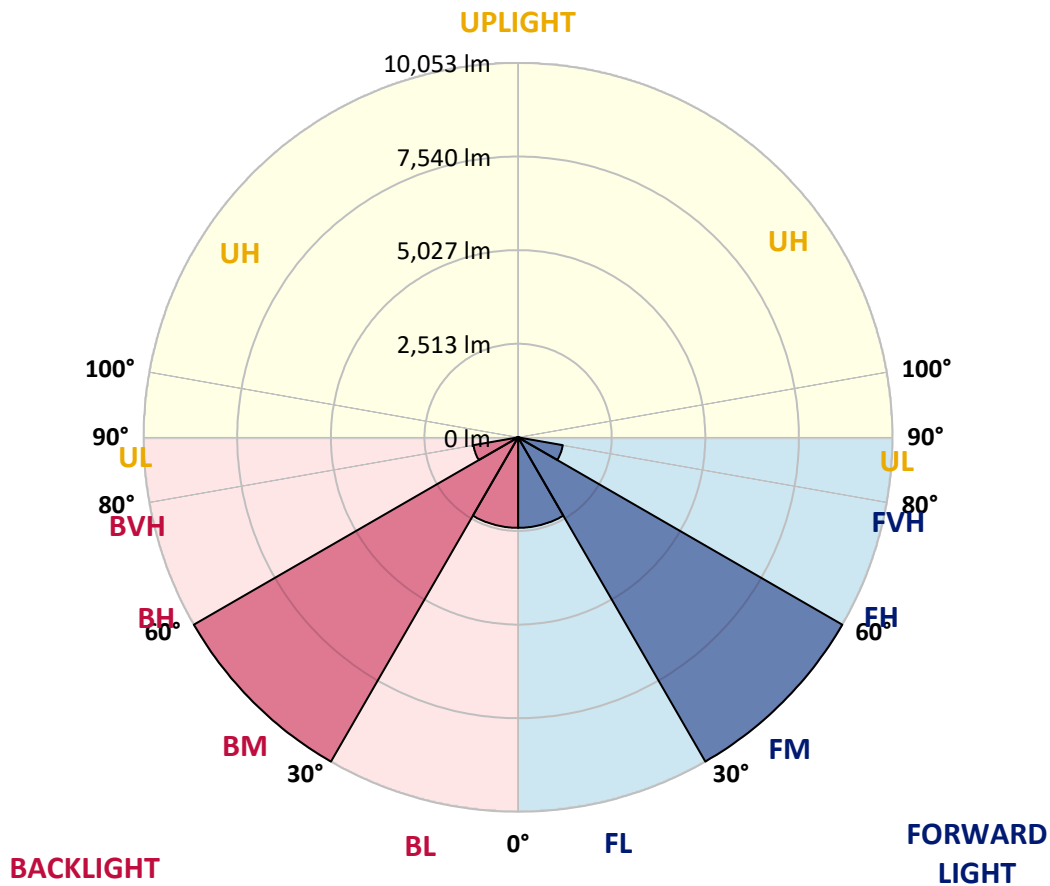
CATALOG NUMBER: GWS-SA5D-760-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2429.0	8.8			
FM (30°-60°)	10053.3	36.6			
FH (60°-80°)	1218.5	4.4			G1/1800
FVH (80°-90°)	37.2	0.1			G1/100
BL (0°-30°)	2429.0	8.8	B3/2500		
BM (30°-60°)	10053.3	36.6	B5		
BH (60°-80°)	1218.5	4.4	B3/2500		G1/1800
BVH (80°-90°)	37.2	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: P640327

CATALOG NUMBER: GWS-SA5D-760-U-5NQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4943.0	4943.0	4943.0	4943.0	4943.0	4943.0	4943.0	4943.0	4943.0	4943.0	4943.0
2.5°	4932.1	4932.1	4940.8	4951.7	4953.9	4975.6	4971.3	4962.6	4958.2	4949.5	4969.1
5°	4986.5	4988.6	4995.2	5001.7	4997.3	5014.7	5008.2	4997.3	4990.8	4979.9	4999.5
7.5°	5058.2	5058.2	5064.7	5073.4	5069.0	5095.1	5082.1	5066.9	5056.0	5043.0	5060.3
10°	5123.3	5127.7	5134.2	5151.6	5160.3	5188.5	5179.8	5158.1	5140.7	5125.5	5145.1
12.5°	5221.1	5225.5	5232.0	5255.9	5271.1	5299.3	5286.3	5255.9	5229.8	5208.1	5229.8
15°	5347.1	5342.8	5360.2	5390.6	5410.1	5436.2	5421.0	5368.9	5334.1	5305.9	5327.6
17.5°	5475.3	5473.2	5490.5	5529.6	5557.9	5592.7	5566.6	5505.7	5468.8	5434.0	5455.8
20°	5614.4	5620.9	5638.3	5675.2	5716.5	5762.1	5740.4	5675.2	5633.9	5594.8	5612.2
22.5°	5786.0	5788.2	5807.8	5855.6	5909.9	5953.3	5940.3	5859.9	5807.8	5766.5	5788.2
25°	5992.4	5990.3	6016.3	6072.8	6148.9	6192.3	6164.1	6075.0	6018.5	5970.7	5988.1
27.5°	6229.3	6227.1	6266.2	6340.1	6448.7	6509.6	6450.9	6340.1	6261.9	6194.5	6209.7
30°	6526.9	6520.4	6563.9	6663.8	6805.1	6907.2	6820.3	6666.0	6563.9	6492.2	6507.4
32.5°	6857.2	6865.9	6920.2	7054.9	7233.1	7365.6	7235.3	7063.6	6926.7	6822.4	6839.8
35°	7220.0	7220.0	7330.9	7498.2	7752.4	7928.4	7726.3	7478.6	7296.1	7152.7	7157.0
37.5°	7624.2	7628.5	7774.1	8004.4	8336.8	8543.3	8269.5	7963.1	7741.5	7587.2	7578.6
40°	8117.4	8130.4	8280.4	8536.7	8910.4	9099.5	8806.2	8506.3	8280.4	8097.8	8080.5
42.5°	8673.6	8678.0	8836.6	9066.9	9381.9	9494.9	9264.6	9019.1	8834.4	8669.3	8651.9
45°	9203.8	9192.9	9329.8	9501.4	9683.9	9694.8	9566.6	9466.7	9305.9	9164.7	9138.6
47.5°	9616.6	9607.9	9731.7	9825.2	9846.9	9740.4	9781.7	9796.9	9610.1	9418.9	9368.9
50°	9868.6	9886.0	10003.3	10055.5	9927.3	9753.5	9909.9	9870.8	9603.6	9353.7	9273.3
52.5°	10020.7	10046.8	10251.0	10383.6	10251.0	10085.9	10107.6	9877.3	9492.7	9162.5	9058.2
55°	9636.1	9740.4	10181.5	10768.1	10985.4	10870.3	10457.4	9864.3	9151.6	8671.4	8582.4
57.5°	7141.8	7307.0	7961.0	9232.0	10553.0	10972.4	9766.5	8269.5	7189.6	6572.6	6520.4
60°	3645.9	3830.6	4354.2	5660.0	7359.1	7950.1	6802.9	5295.0	4208.6	3708.9	3652.4
62.5°	1488.3	1518.8	1690.4	2194.5	3252.6	3752.3	3296.1	2314.0	1738.2	1601.3	1603.5
65°	1171.1	1177.6	1168.9	1199.4	1362.3	1512.2	1397.1	1227.6	1197.2	1212.4	1201.5
67.5°	1021.2	1023.4	1016.8	1016.8	1023.4	1016.8	1029.9	1036.4	1040.7	1058.1	1047.3
70°	853.9	856.1	856.1	860.4	858.2	847.4	866.9	875.6	877.8	888.7	882.1
72.5°	660.5	667.0	671.4	673.6	671.4	664.9	675.7	690.9	688.8	699.6	688.8
75°	447.6	456.3	460.6	469.3	467.1	467.1	480.2	486.7	480.2	488.9	480.2
77.5°	254.2	260.7	273.8	282.5	291.1	297.7	306.4	310.7	308.5	312.9	308.5
80°	147.7	149.9	160.8	165.1	176.0	186.9	195.5	199.9	202.1	204.2	202.1
82.5°	84.7	86.9	91.3	95.6	104.3	113.0	121.7	128.2	128.2	130.4	128.2
85°	41.3	41.3	43.5	45.6	50.0	56.5	63.0	69.5	71.7	71.7	71.7
87.5°	6.5	6.5	8.7	8.7	10.9	13.0	17.4	21.7	23.9	23.9	23.9
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)