

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: P642585

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-730-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 27548.9 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

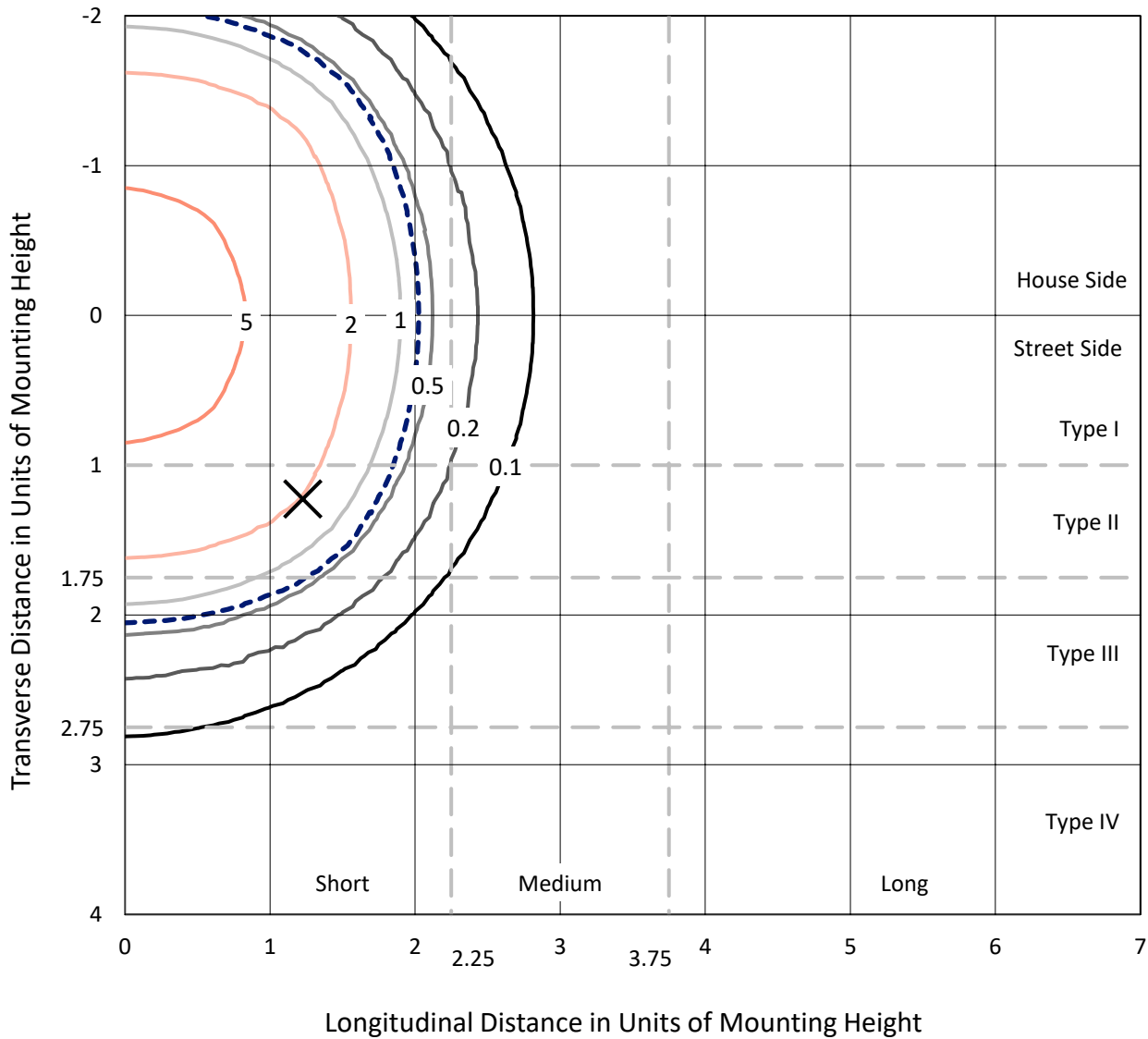
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

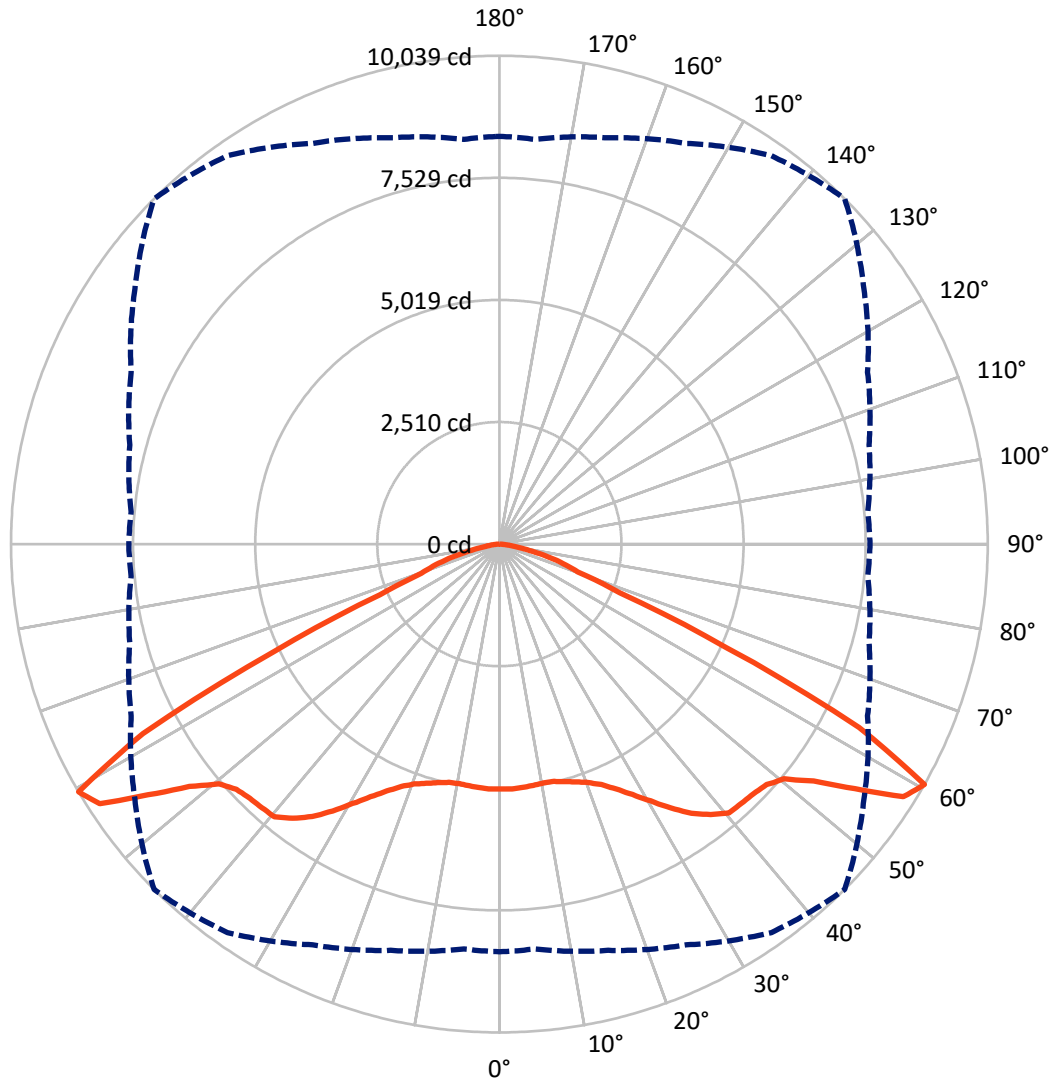
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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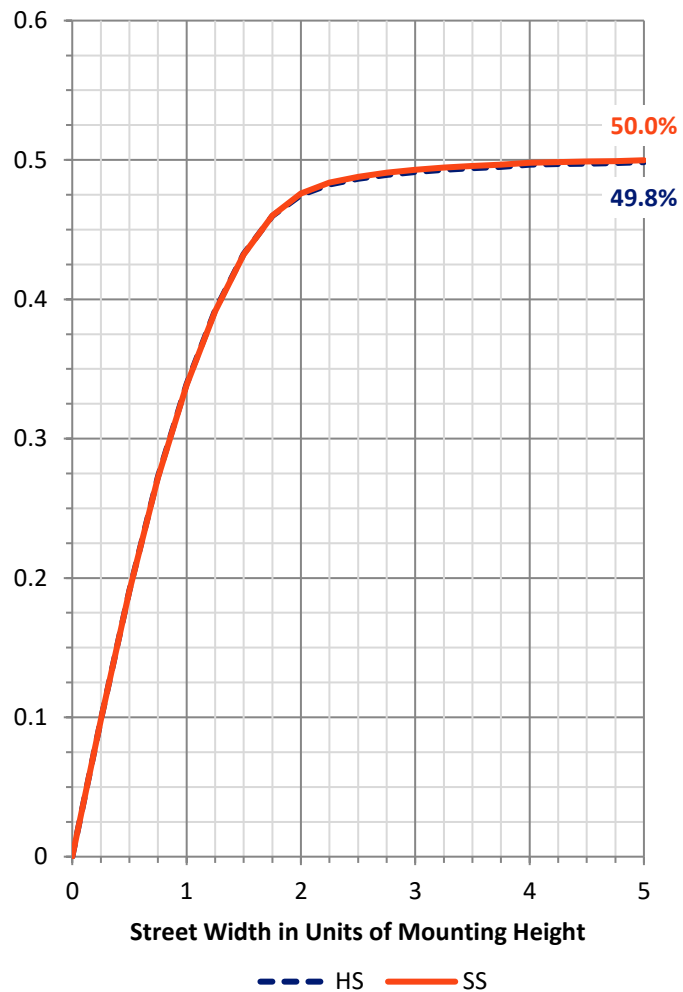
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13774.5	0.0	13774.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13774.5	0.0	13774.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27548.9	0.0	27548.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.4	1.7
10°-20°	1436.1	5.2
20°-30°	2540.7	9.2
30°-40°	4090.6	14.8
40°-50°	5622.4	20.4
50°-60°	7492.5	27.2
60°-70°	4669.6	17.0
70°-80°	1073.8	3.9
80°-90°	145.7	0.5
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°	27548.9	100.0
0°-180°	27548.9	100.0

Coefficient of Utilization



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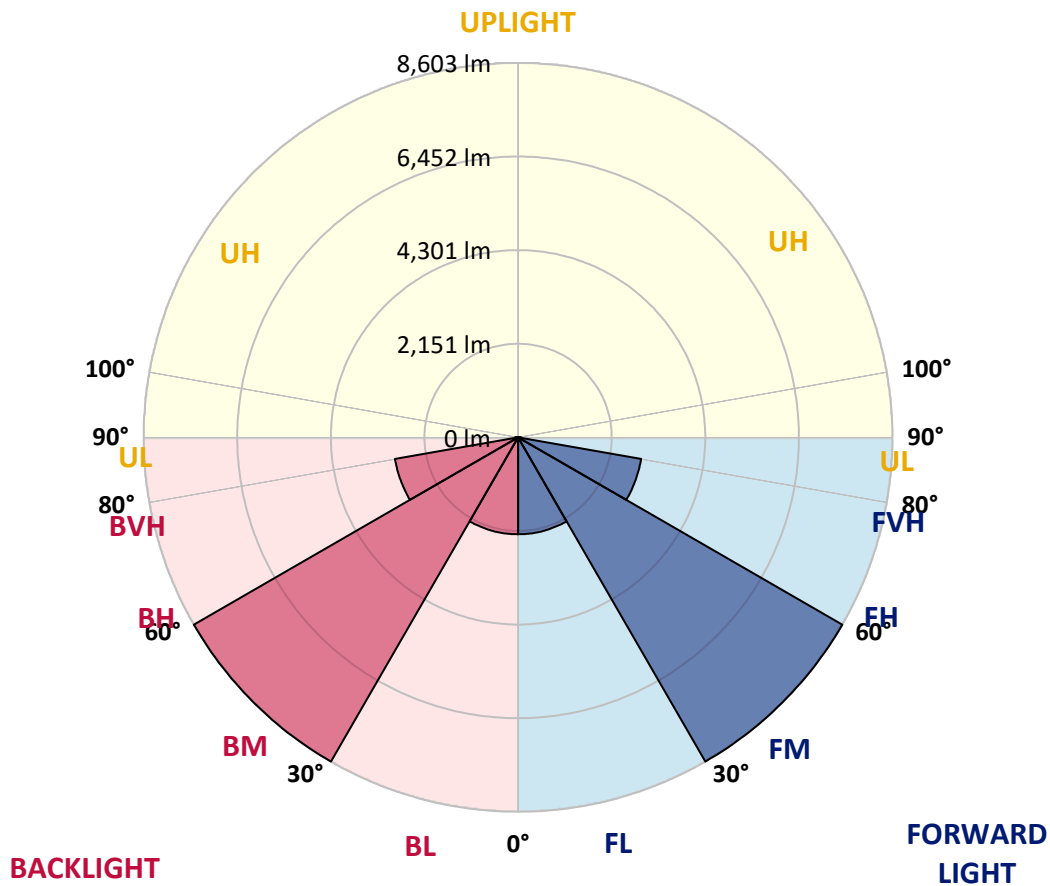
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2227.1	8.1			
FM (30°-60°)	8602.8	31.2			
FH (60°-80°)	2871.7	10.4			G2/5000
FVH (80°-90°)	72.8	0.3			G1/100
BL (0°-30°)	2227.1	8.1	B3/2500		
BM (30°-60°)	8602.8	31.2	B5		
BH (60°-80°)	2871.7	10.4	B4/5000		G2/5000
BVH (80°-90°)	72.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5034.5	5034.5	5034.5	5034.5	5034.5	5034.5	5034.5	5034.5	5034.5	5034.5	5034.5
2.5°	4999.4	5004.1	5013.5	5020.5	5029.8	5039.2	5043.9	5034.5	5029.8	5011.1	5032.2
5°	5004.1	5008.8	5015.8	5015.8	5018.2	5025.2	5025.2	5013.5	5001.8	4980.7	5004.1
7.5°	4997.1	5001.8	5004.1	5001.8	5004.1	5006.5	5001.8	4987.8	4976.1	4957.4	4976.1
10°	4985.4	4990.1	4994.8	4990.1	4985.4	4992.4	4992.4	4983.1	4976.1	4957.4	4978.4
12.5°	5011.1	5018.2	5020.5	5008.8	5004.1	5006.5	5006.5	4997.1	4997.1	4980.7	5004.1
15°	5071.9	5076.6	5069.6	5055.6	5057.9	5064.9	5048.6	5025.2	5020.5	5013.5	5032.2
17.5°	5118.7	5123.4	5116.4	5107.0	5123.4	5139.7	5109.4	5064.9	5050.9	5046.2	5067.3
20°	5170.1	5177.2	5167.8	5179.5	5212.2	5230.9	5193.5	5132.7	5104.7	5097.7	5123.4
22.5°	5254.3	5263.7	5263.7	5289.4	5338.5	5368.9	5322.1	5240.3	5198.2	5186.5	5212.2
25°	5387.6	5394.6	5401.6	5453.1	5532.6	5574.7	5499.9	5387.6	5329.2	5310.5	5324.5
27.5°	5572.3	5584.0	5595.7	5670.6	5768.8	5829.6	5722.0	5581.7	5509.2	5471.8	5499.9
30°	5792.2	5808.5	5836.6	5920.8	6058.7	6126.5	5988.6	5817.9	5736.0	5696.3	5733.7
32.5°	6091.5	6093.8	6114.9	6208.4	6390.8	6467.9	6294.9	6105.5	6021.3	5974.5	5995.6
35°	6446.9	6449.2	6416.5	6512.4	6708.8	6795.3	6591.9	6400.1	6330.0	6316.0	6369.7
37.5°	6811.7	6790.6	6757.9	6800.0	6998.8	7054.9	6839.7	6676.1	6645.7	6671.4	6750.9
40°	7071.2	7036.2	6970.7	7001.1	7202.2	7267.7	7038.5	6884.2	6874.8	6938.0	7033.8
42.5°	7239.6	7202.2	7125.0	7125.0	7263.0	7291.1	7113.3	7031.5	7052.5	7125.0	7216.2
45°	7321.5	7300.4	7256.0	7232.6	7309.8	7321.5	7185.8	7153.1	7192.8	7227.9	7298.1
47.5°	7384.6	7384.6	7370.6	7347.2	7382.3	7389.3	7288.7	7279.4	7330.8	7330.8	7377.6
50°	7496.8	7508.5	7527.2	7522.6	7560.0	7583.4	7508.5	7494.5	7515.5	7447.7	7471.1
52.5°	7791.5	7821.9	7875.6	7917.7	8013.6	8086.1	7952.8	7840.6	7730.7	7581.0	7585.7
55°	8319.9	8334.0	8439.2	8563.1	8724.5	8871.8	8598.2	8249.8	8011.3	7835.9	7838.2
57.5°	8766.6	8787.6	8941.9	9201.5	9564.0	9793.1	9187.5	8605.2	8268.5	8053.4	8060.4
60°	8380.7	8352.7	8645.0	9089.3	9746.3	10038.6	9145.4	8350.3	7866.3	7599.7	7618.4
62.5°	6484.3	6430.5	6755.6	7220.9	8008.9	8301.2	7478.1	6715.8	6257.5	6049.4	6019.0
65°	3947.2	3898.1	4131.9	4417.2	4950.3	5135.1	4758.6	4354.1	3954.2	3827.9	3792.8
67.5°	2149.0	2142.0	2205.1	2345.4	2579.2	2665.7	2593.3	2401.5	2298.6	2209.8	2209.8
70°	1704.7	1690.6	1679.0	1681.3	1702.3	1714.0	1716.4	1707.0	1718.7	1721.0	1711.7
72.5°	1412.4	1407.7	1384.3	1386.7	1377.3	1372.6	1389.0	1398.3	1417.1	1419.4	1419.4
75°	1024.2	1012.5	1024.2	1026.5	1017.2	1017.2	1028.9	1026.5	1035.9	1040.6	1014.9
77.5°	582.3	582.3	598.6	617.3	631.4	631.4	643.1	643.1	654.7	652.4	647.7
80°	320.4	320.4	329.7	341.4	355.4	369.5	381.2	383.5	390.5	388.2	381.2
82.5°	182.4	184.7	189.4	196.4	210.5	222.1	233.8	236.2	243.2	243.2	236.2
85°	86.5	84.2	86.5	91.2	98.2	107.6	119.3	126.3	130.9	130.9	126.3
87.5°	16.4	18.7	16.4	18.7	21.0	28.1	32.7	37.4	44.4	46.8	42.1
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)