

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: P640220

Luminaire Tested: GWS-SA5D-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640220
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-SA5D-740-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25370.9 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

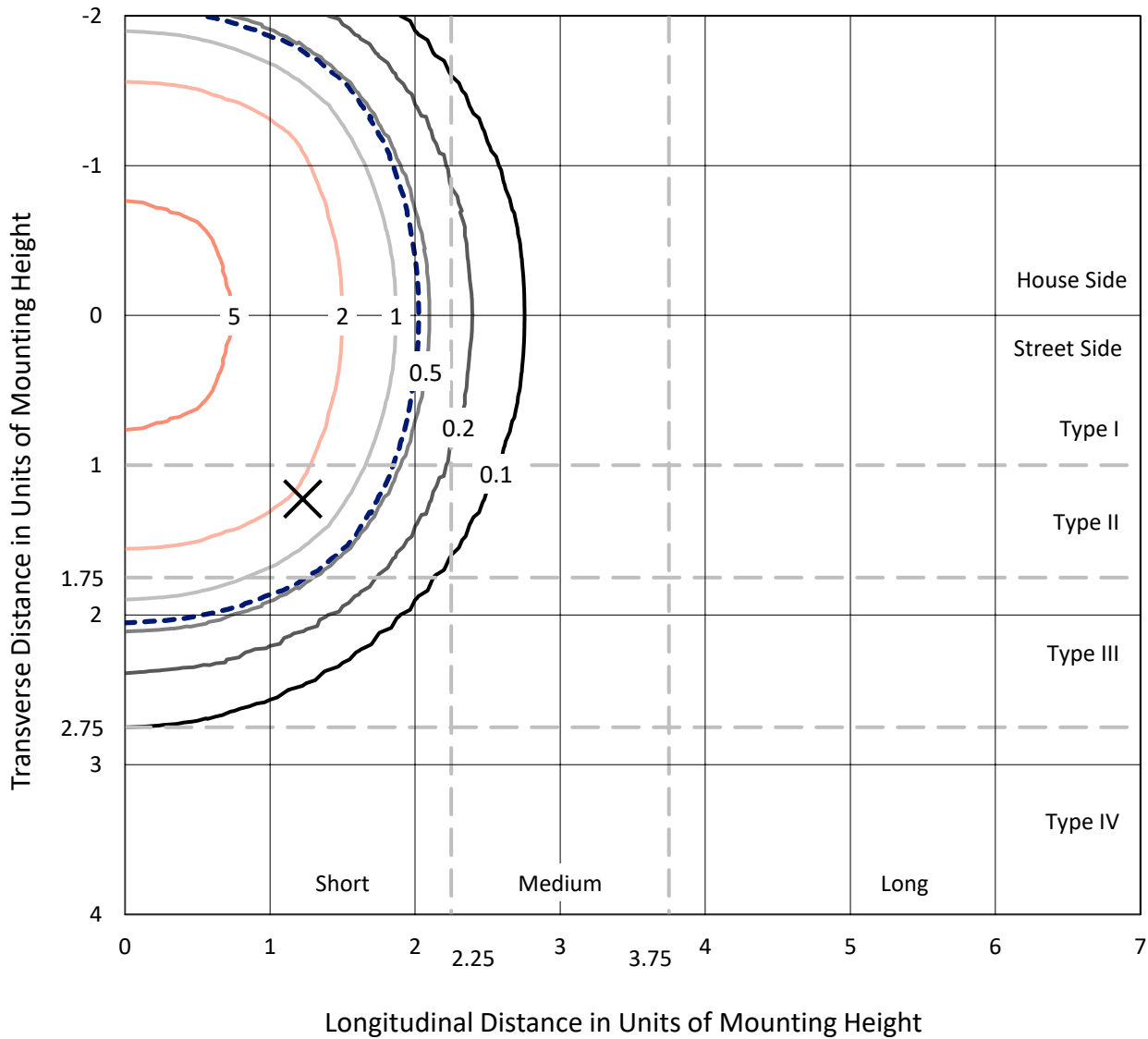
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

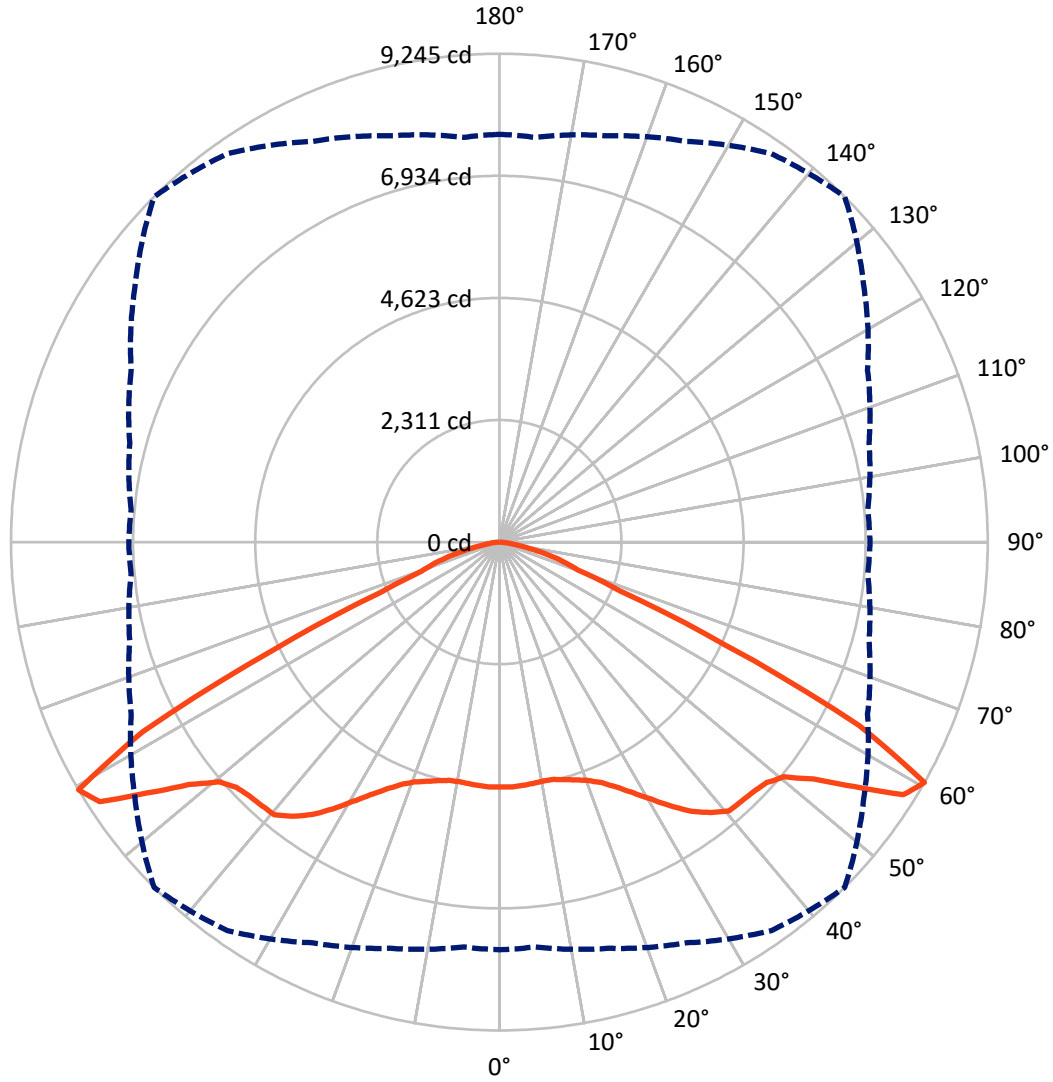
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	12685.4	0.0	12685.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12685.4	0.0	12685.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	25370.9	0.0	25370.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.7	1.7
10°-20°	1322.6	5.2
20°-30°	2339.8	9.2
30°-40°	3767.2	14.8
40°-50°	5177.9	20.4
50°-60°	6900.1	27.2
60°-70°	4300.5	17.0
70°-80°	988.9	3.9
80°-90°	134.2	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°	25370.9	100.0
0°-180°	25370.9	100.0

Coefficient of Utilization



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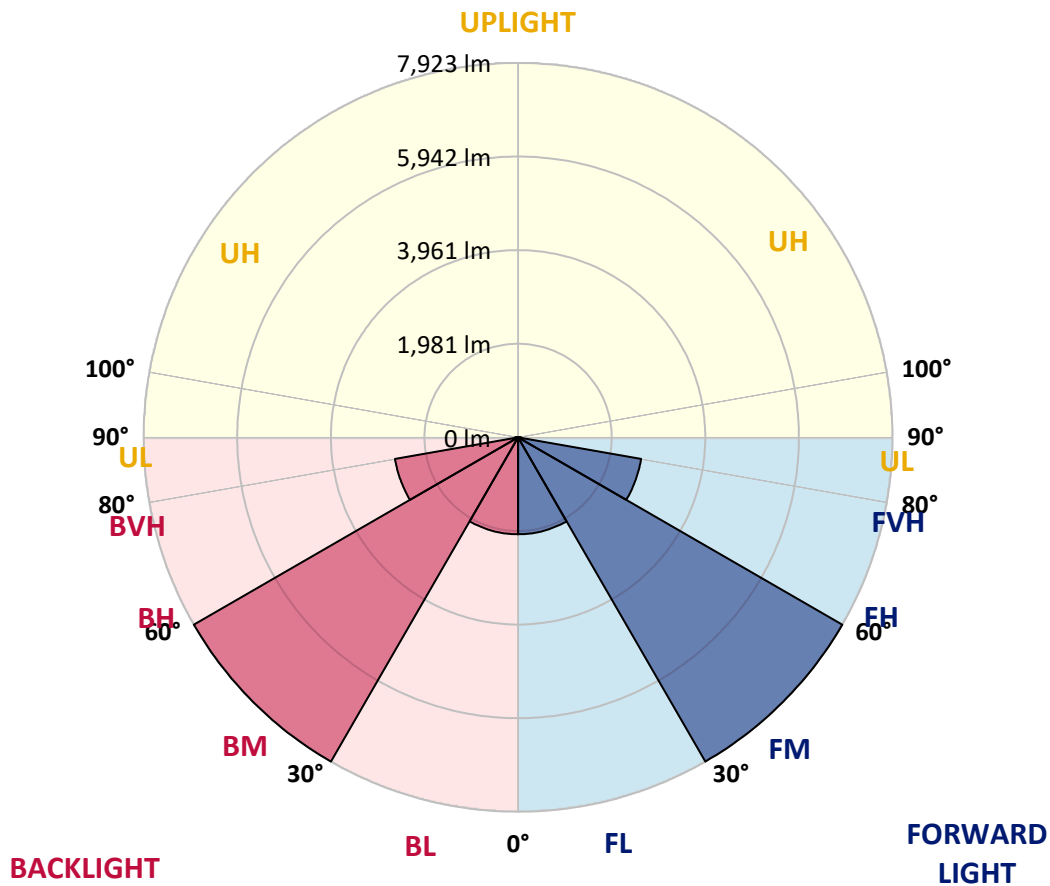
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2051.1	8.1			
FM (30°-60°)	7922.6	31.2			
FH (60°-80°)	2644.7	10.4			G2/5000
FVH (80°-90°)	67.1	0.3			G1/100
BL (0°-30°)	2051.1	8.1	B3/2500		
BM (30°-60°)	7922.6	31.2	B4/8500		
BH (60°-80°)	2644.7	10.4	B4/5000		G2/5000
BVH (80°-90°)	67.1	0.3			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°	4636.5	4636.5	4636.5	4636.5	4636.5	4636.5	4636.5	4636.5	4636.5	4636.5	4636.5
2.5°	4604.2	4608.5	4617.1	4623.6	4632.2	4640.8	4645.1	4636.5	4632.2	4615.0	4634.3
5°	4608.5	4612.8	4619.3	4619.3	4621.4	4627.9	4627.9	4617.1	4606.3	4587.0	4608.5
7.5°	4602.0	4606.3	4608.5	4606.3	4608.5	4610.7	4606.3	4593.4	4582.7	4565.4	4582.7
10°	4591.3	4595.6	4599.9	4595.6	4591.3	4597.7	4597.7	4589.1	4582.7	4565.4	4584.8
12.5°	4615.0	4621.4	4623.6	4612.8	4608.5	4610.7	4610.7	4602.0	4602.0	4587.0	4608.5
15°	4671.0	4675.3	4668.8	4655.9	4658.0	4664.5	4649.4	4627.9	4623.6	4617.1	4634.3
17.5°	4714.0	4718.3	4711.9	4703.3	4718.3	4733.4	4705.4	4664.5	4651.6	4647.3	4666.6
20°	4761.4	4767.9	4759.2	4770.0	4800.2	4817.4	4782.9	4726.9	4701.1	4694.6	4718.3
22.5°	4838.9	4847.5	4847.5	4871.2	4916.5	4944.4	4901.4	4826.0	4787.2	4776.5	4800.2
25°	4961.7	4968.1	4974.6	5022.0	5095.2	5134.0	5065.0	4961.7	4907.8	4890.6	4903.5
27.5°	5131.8	5142.6	5153.3	5222.2	5312.7	5368.7	5269.6	5140.4	5073.7	5039.2	5065.0
30°	5334.2	5349.3	5375.1	5452.7	5579.7	5642.2	5515.1	5357.9	5282.5	5245.9	5280.4
32.5°	5609.9	5612.0	5631.4	5717.6	5885.5	5956.6	5797.2	5622.8	5545.3	5502.2	5521.6
35°	5937.2	5939.4	5909.2	5997.5	6178.4	6258.1	6070.7	5894.1	5829.5	5816.6	5866.1
37.5°	6273.2	6253.8	6223.6	6262.4	6445.4	6497.1	6299.0	6148.3	6120.3	6143.9	6217.2
40°	6512.2	6479.9	6419.6	6447.6	6632.8	6693.1	6482.0	6339.9	6331.3	6389.4	6477.7
42.5°	6667.3	6632.8	6561.7	6561.7	6688.8	6714.6	6551.0	6475.6	6495.0	6561.7	6645.7
45°	6742.6	6723.2	6682.3	6660.8	6731.9	6742.6	6617.7	6587.6	6624.2	6656.5	6721.1
47.5°	6800.8	6800.8	6787.8	6766.3	6798.6	6805.1	6712.5	6703.9	6751.2	6751.2	6794.3
50°	6904.1	6914.9	6932.1	6927.8	6962.3	6983.8	6914.9	6902.0	6921.4	6858.9	6880.4
52.5°	7175.5	7203.5	7253.0	7291.8	7380.1	7446.8	7324.1	7220.7	7119.5	6981.7	6986.0
55°	7662.2	7675.1	7772.0	7886.1	8034.7	8170.4	7918.4	7597.6	7377.9	7216.4	7218.5
57.5°	8073.5	8092.9	8235.0	8474.0	8807.8	9018.9	8461.1	7924.9	7614.8	7416.7	7423.1
60°	7718.2	7692.3	7961.5	8370.7	8975.8	9245.0	8422.4	7690.2	7244.4	6998.9	7016.1
62.5°	5971.7	5922.1	6221.5	6650.0	7375.8	7644.9	6886.9	6184.9	5762.8	5571.1	5543.1
65°	3635.1	3589.9	3805.2	4068.0	4559.0	4729.1	4382.4	4009.8	3641.6	3525.3	3493.0
67.5°	1979.1	1972.6	2030.8	2160.0	2375.3	2455.0	2388.2	2211.6	2116.9	2035.1	2035.1
70°	1569.9	1557.0	1546.2	1548.4	1567.8	1578.5	1580.7	1572.1	1582.8	1585.0	1576.4
72.5°	1300.7	1296.4	1274.9	1277.0	1268.4	1264.1	1279.2	1287.8	1305.0	1307.2	1307.2
75°	943.2	932.5	943.2	945.4	936.8	936.8	947.5	945.4	954.0	958.3	934.6
77.5°	536.2	536.2	551.3	568.5	581.4	581.4	592.2	592.2	603.0	600.8	596.5
80°	295.0	295.0	303.6	314.4	327.3	340.3	351.0	353.2	359.6	357.5	351.0
82.5°	168.0	170.1	174.4	180.9	193.8	204.6	215.4	217.5	224.0	224.0	217.5
85°	79.7	77.5	79.7	84.0	90.4	99.1	109.8	116.3	120.6	120.6	116.3
87.5°	15.1	17.2	15.1	17.2	19.4	25.8	30.1	34.5	40.9	43.1	38.8
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)