

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: P640214

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640214
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26303.4 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

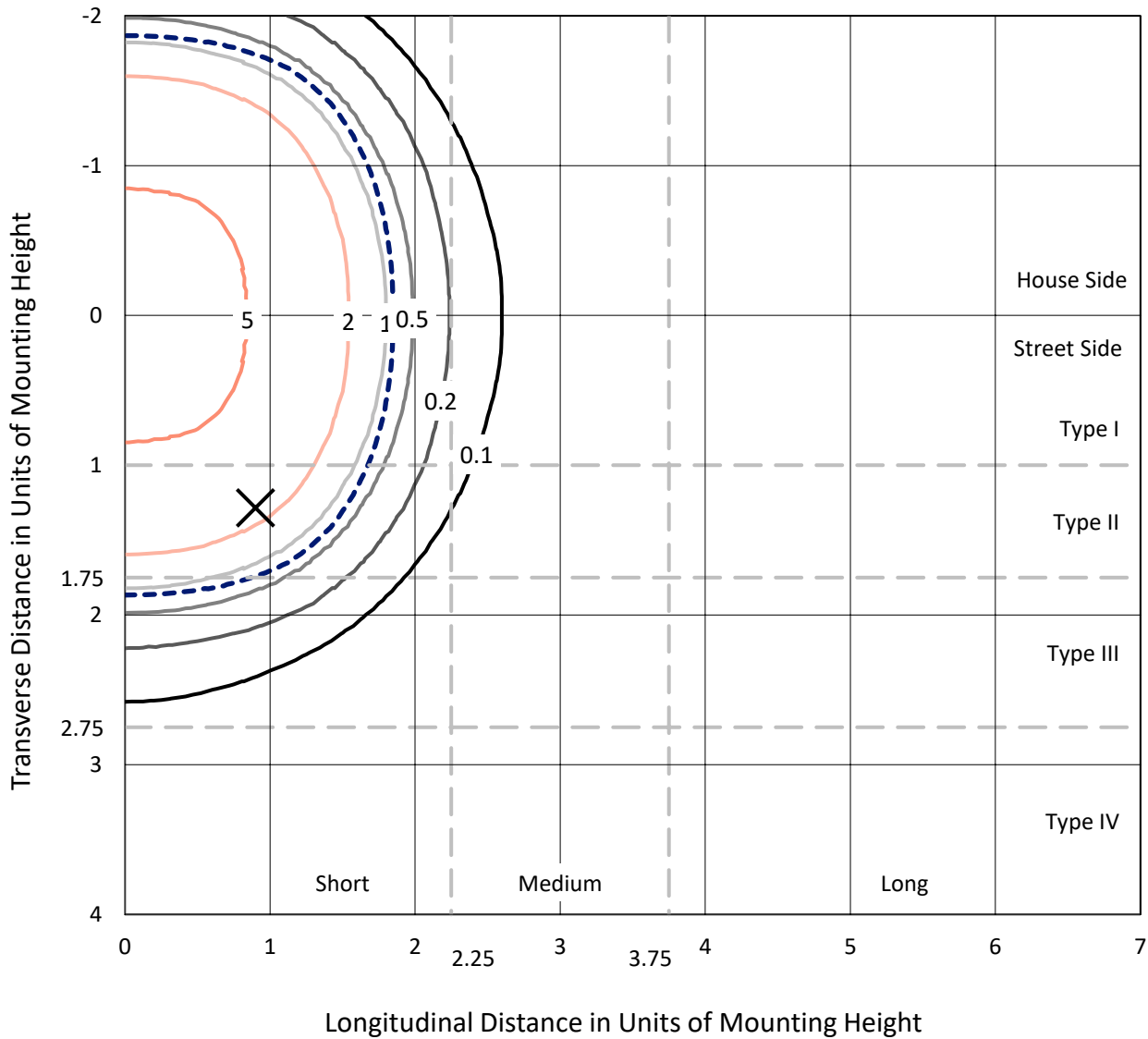
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640214
 CATALOG NUMBER: GWS-SA5D-740-U-5MQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

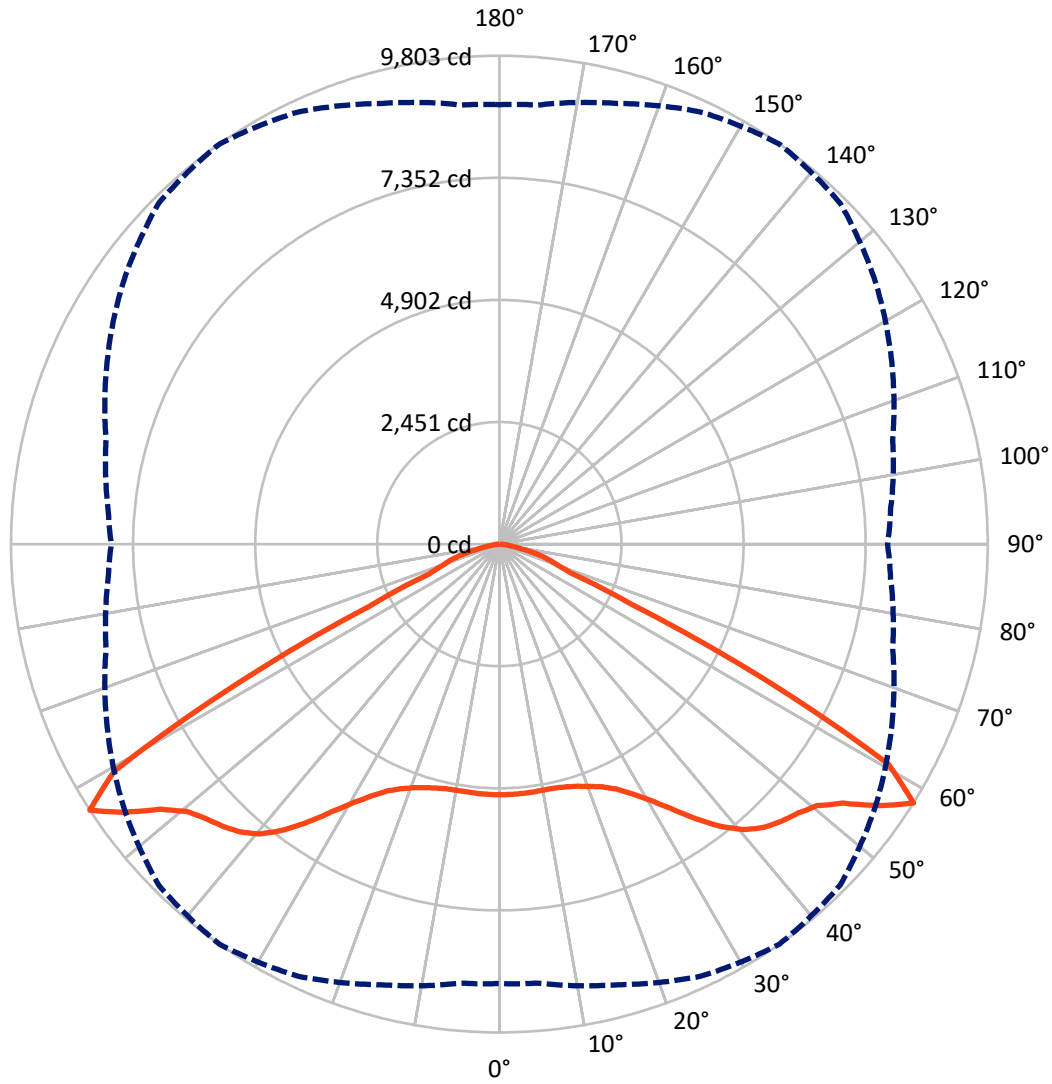
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P640214
CATALOG NUMBER: GWS-SA5D-740-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P640214

CATALOG NUMBER: GWS-SA5D-740-U-5MQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13151.7	0.0	13151.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13151.7	0.0	13151.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	26303.4	0.0	26303.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.8	1.8
10°-20°	1428.5	5.4
20°-30°	2492.4	9.5
30°-40°	4087.0	15.5
40°-50°	6019.2	22.9
50°-60°	7681.6	29.2
60°-70°	3237.3	12.3
70°-80°	773.3	2.9
80°-90°	105.3	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°	26303.4	100.0
0°-180°	26303.4	100.0

Coefficient of Utilization



REPORT NUMBER: P640214

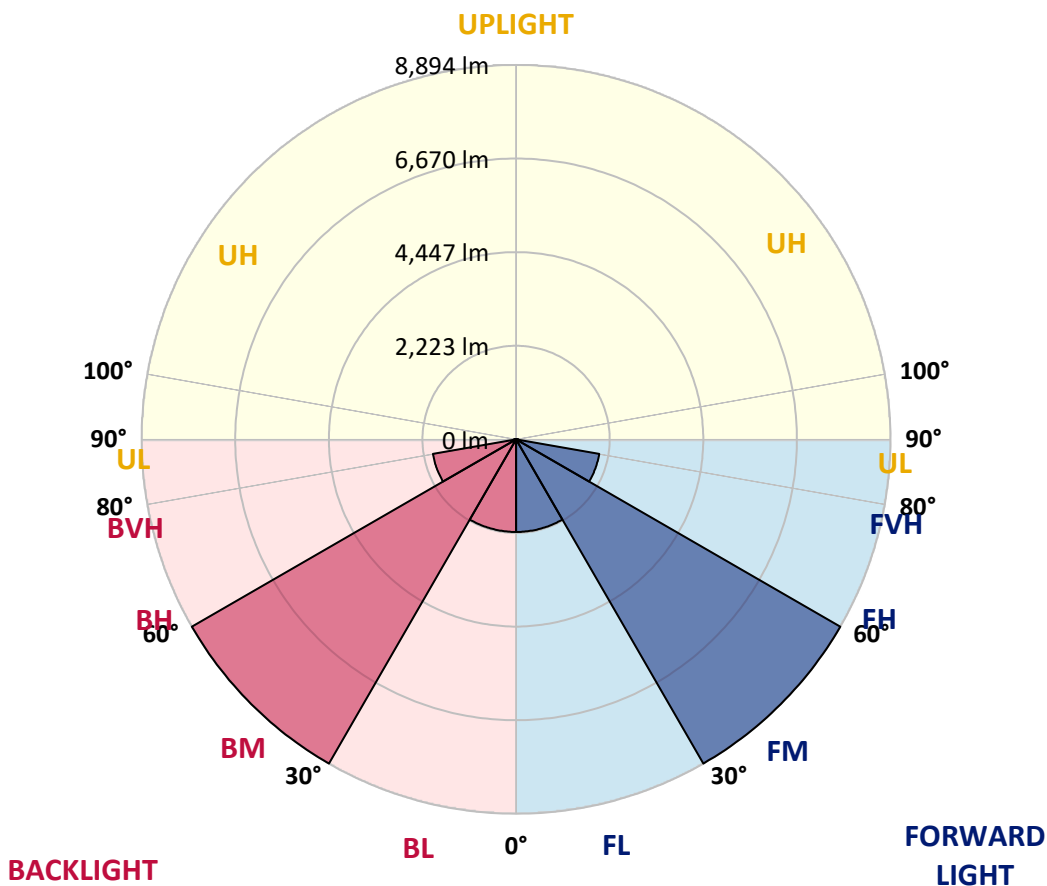
CATALOG NUMBER: GWS-SA5D-740-U-5MQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2199.8	8.4			
FM (30°-60°)	8893.9	33.8			
FH (60°-80°)	2005.3	7.6			G2/5000
FVH (80°-90°)	52.6	0.2			G1/100
BL (0°-30°)	2199.8	8.4	B3/2500		
BM (30°-60°)	8893.9	33.8	B5		
BH (60°-80°)	2005.3	7.6	B3/2500		G2/5000
BVH (80°-90°)	52.6	0.2			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





REPORT NUMBER: P640214
 CATALOG NUMBER: GWS-SA5D-740-U-5MQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5032.9	5032.9	5032.9	5032.9	5032.9	5032.9	5032.9	5032.9	5032.9	5032.9	5032.9
2.5°	5002.7	5002.7	5013.5	5024.2	5028.5	5047.9	5045.8	5039.3	5035.0	5022.1	5039.3
5°	5013.5	5013.5	5022.1	5028.5	5026.4	5041.5	5035.0	5024.2	5017.8	5004.9	5024.2
7.5°	5011.3	5011.3	5017.8	5024.2	5019.9	5032.9	5022.1	5007.0	4996.2	4983.3	5000.6
10°	4983.3	4987.6	4994.1	5009.2	5015.6	5035.0	5019.9	4996.2	4979.0	4963.9	4981.2
12.5°	4979.0	4983.3	4991.9	5011.3	5022.1	5050.1	5030.7	4991.9	4966.1	4946.7	4963.9
15°	4998.4	5002.7	5015.6	5039.3	5056.5	5086.7	5058.7	5004.9	4968.2	4942.4	4957.5
17.5°	5022.1	5028.5	5047.9	5082.4	5110.4	5142.7	5108.2	5043.6	4991.9	4957.5	4970.4
20°	5047.9	5056.5	5086.7	5138.4	5190.1	5231.0	5187.9	5101.8	5039.3	4994.1	5007.0
22.5°	5093.2	5103.9	5142.7	5215.9	5293.4	5353.7	5299.9	5183.6	5101.8	5043.6	5054.4
25°	5185.8	5198.7	5248.2	5336.5	5446.3	5519.6	5444.2	5312.8	5198.7	5127.6	5138.4
27.5°	5349.4	5355.9	5420.5	5536.8	5672.5	5756.4	5666.0	5510.9	5383.9	5302.0	5310.7
30°	5564.8	5584.2	5648.8	5801.7	5963.2	6075.2	5956.7	5773.7	5627.2	5528.2	5536.8
32.5°	5827.5	5840.4	5937.3	6096.7	6329.3	6458.5	6297.0	6079.5	5902.9	5782.3	5790.9
35°	6172.1	6182.9	6275.5	6477.9	6760.0	6880.6	6695.4	6445.6	6241.0	6126.9	6159.2
37.5°	6583.4	6602.8	6669.6	6869.8	7184.3	7302.7	7089.5	6856.9	6643.7	6538.2	6561.9
40°	7024.9	7022.7	7076.6	7253.2	7539.6	7612.8	7421.1	7235.9	7052.9	6984.0	7022.7
42.5°	7403.9	7393.1	7431.9	7578.4	7776.5	7782.9	7655.9	7552.5	7423.3	7375.9	7412.5
45°	7668.8	7673.1	7731.3	7832.5	7933.7	7879.9	7841.1	7823.9	7722.6	7658.0	7664.5
47.5°	7877.7	7894.9	7987.5	8056.4	8069.4	7978.9	8032.8	8058.6	7974.6	7875.5	7847.5
50°	8062.9	8090.9	8211.5	8284.7	8256.7	8142.6	8248.1	8286.9	8101.7	7912.2	7856.2
52.5°	8398.9	8431.2	8577.6	8672.4	8640.1	8525.9	8625.0	8487.2	8174.9	7942.3	7871.2
55°	8935.1	8950.2	9128.9	9284.0	9268.9	9128.9	9049.2	8743.4	8364.4	8123.2	8056.4
57.5°	8821.0	8846.8	9156.9	9570.4	9803.0	9675.9	9208.6	8687.4	8172.7	7882.0	7791.6
60°	6940.9	7003.4	7388.8	8116.7	8969.6	8967.4	8099.5	7289.8	6669.6	6284.1	6245.3
62.5°	4053.0	4096.1	4447.1	5183.6	5948.1	5995.5	5386.0	4830.4	4287.7	4027.1	3902.2
65°	1918.8	1916.7	2056.6	2388.3	2905.1	2946.1	2763.0	2459.4	2138.5	2050.2	2026.5
67.5°	1417.0	1417.0	1406.3	1430.0	1529.0	1550.6	1529.0	1479.5	1449.3	1468.7	1455.8
70°	1229.7	1231.8	1218.9	1212.5	1212.5	1206.0	1214.6	1234.0	1246.9	1272.8	1259.8
72.5°	997.1	999.2	999.2	1001.4	1003.6	994.9	1007.9	1018.6	1020.8	1029.4	1020.8
75°	708.5	712.8	725.7	736.5	745.1	745.1	749.4	751.6	743.0	753.7	736.5
77.5°	389.8	394.1	417.8	437.2	456.6	458.7	465.2	469.5	465.2	473.8	460.9
80°	215.4	219.7	230.4	239.0	254.1	267.0	275.7	280.0	280.0	286.4	280.0
82.5°	122.8	127.1	133.5	137.8	150.7	161.5	170.1	176.6	176.6	178.7	174.4
85°	58.1	58.1	62.5	66.8	73.2	77.5	88.3	94.8	94.8	99.1	94.8
87.5°	8.6	10.8	12.9	12.9	17.2	21.5	25.8	28.0	32.3	34.5	34.5
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)