

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: P641204

Luminaire Tested: GWS-SA5F-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641204
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-SA5F-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: 36545.6 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

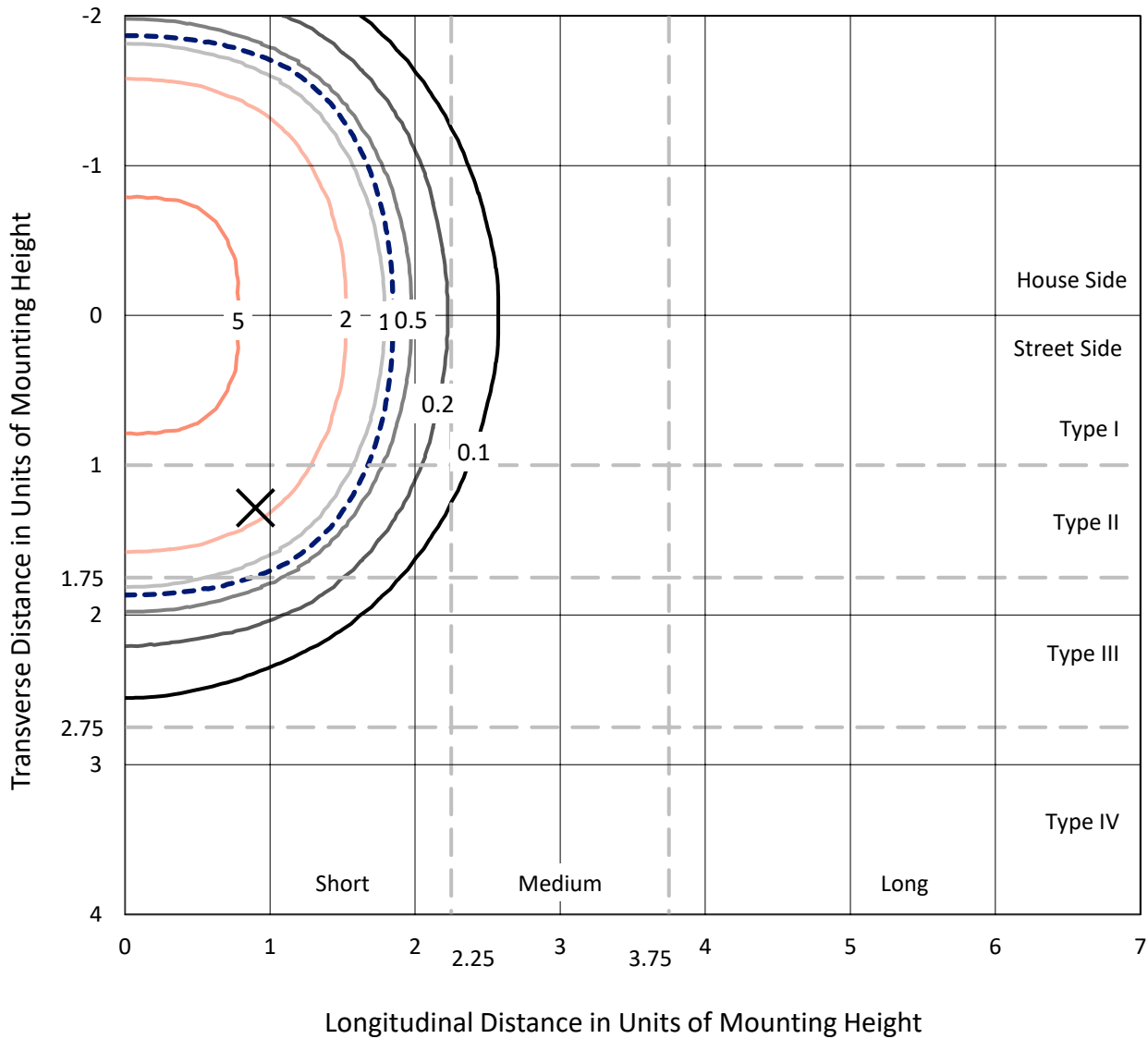
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641204
 CATALOG NUMBER: GWS-SA5F-740-U-5MQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

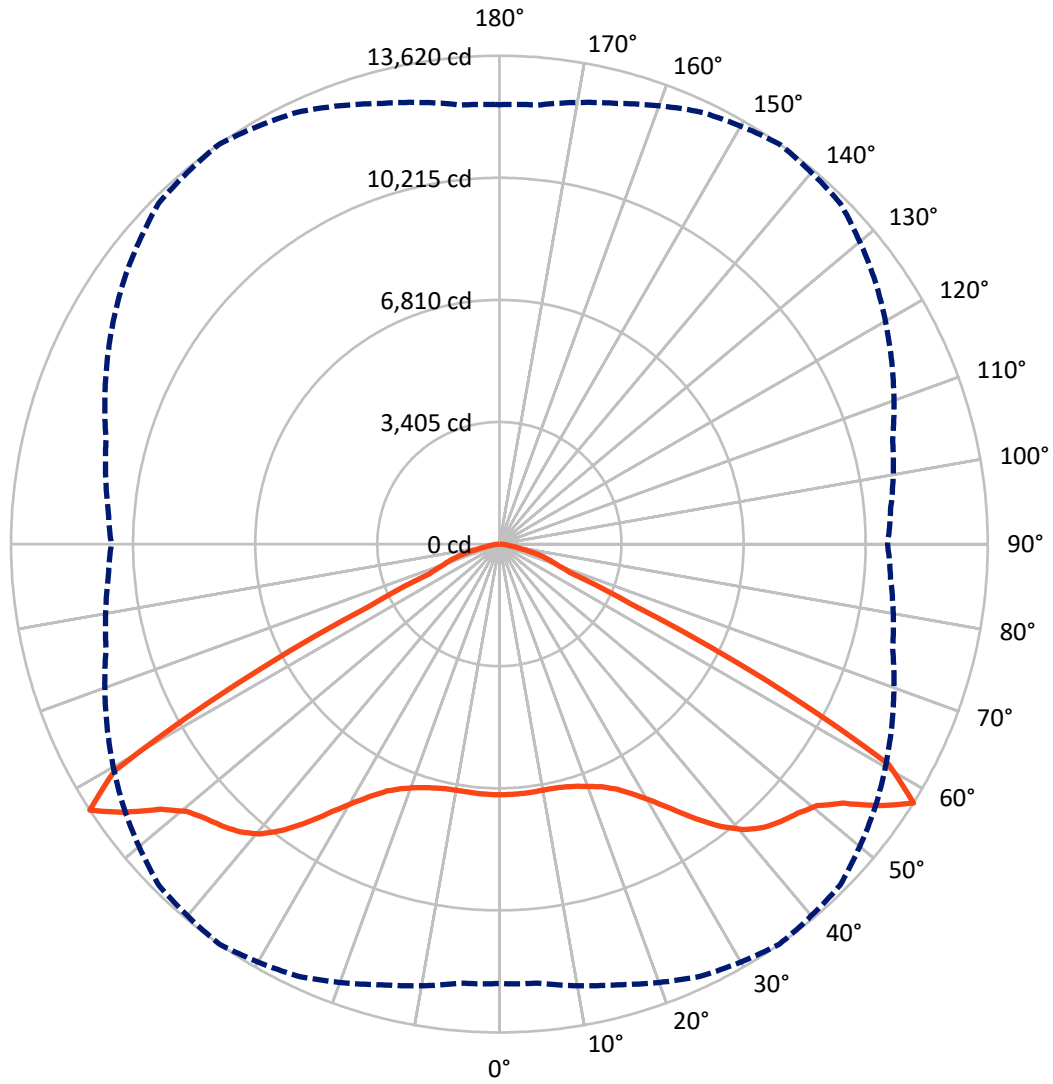
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

REPORT NUMBER: P641204
CATALOG NUMBER: GWS-SA5F-740-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P641204

CATALOG NUMBER: GWS-SA5F-740-U-5MQ-W-GRSWH

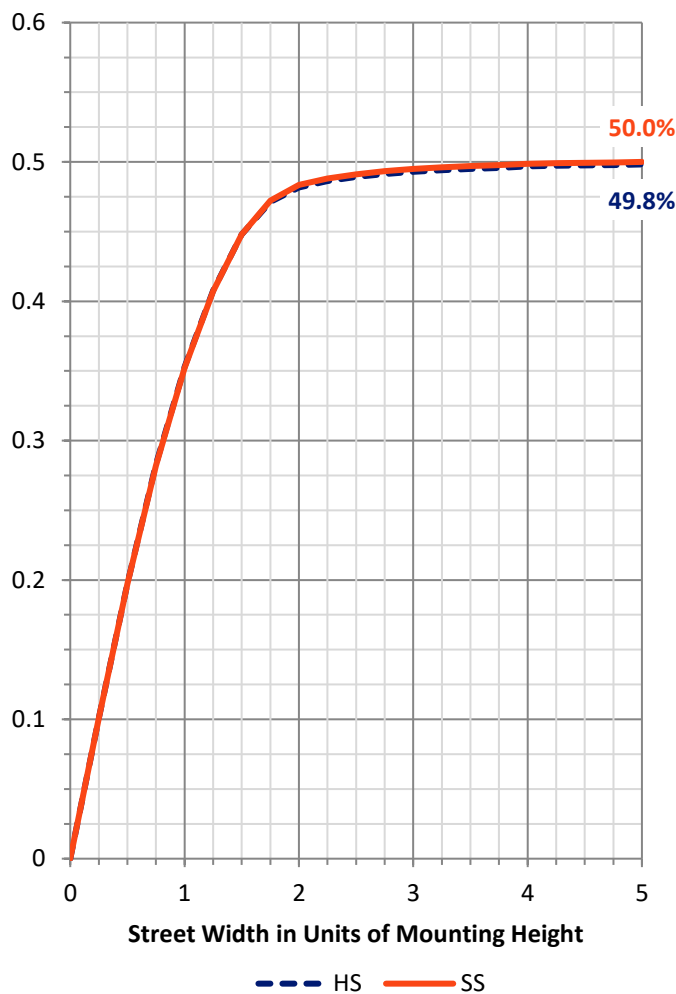
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18272.8	0.0	18272.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18272.8	0.0	18272.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	36545.6	0.0	36545.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	665.2	1.8
10°-20°	1984.7	5.4
20°-30°	3462.9	9.5
30°-40°	5678.4	15.5
40°-50°	8363.0	22.9
50°-60°	10672.7	29.2
60°-70°	4497.9	12.3
70°-80°	1074.5	2.9
80°-90°	146.3	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°	36545.6	100.0
0°-180°	36545.6	100.0

Coefficient of Utilization



REPORT NUMBER: P641204

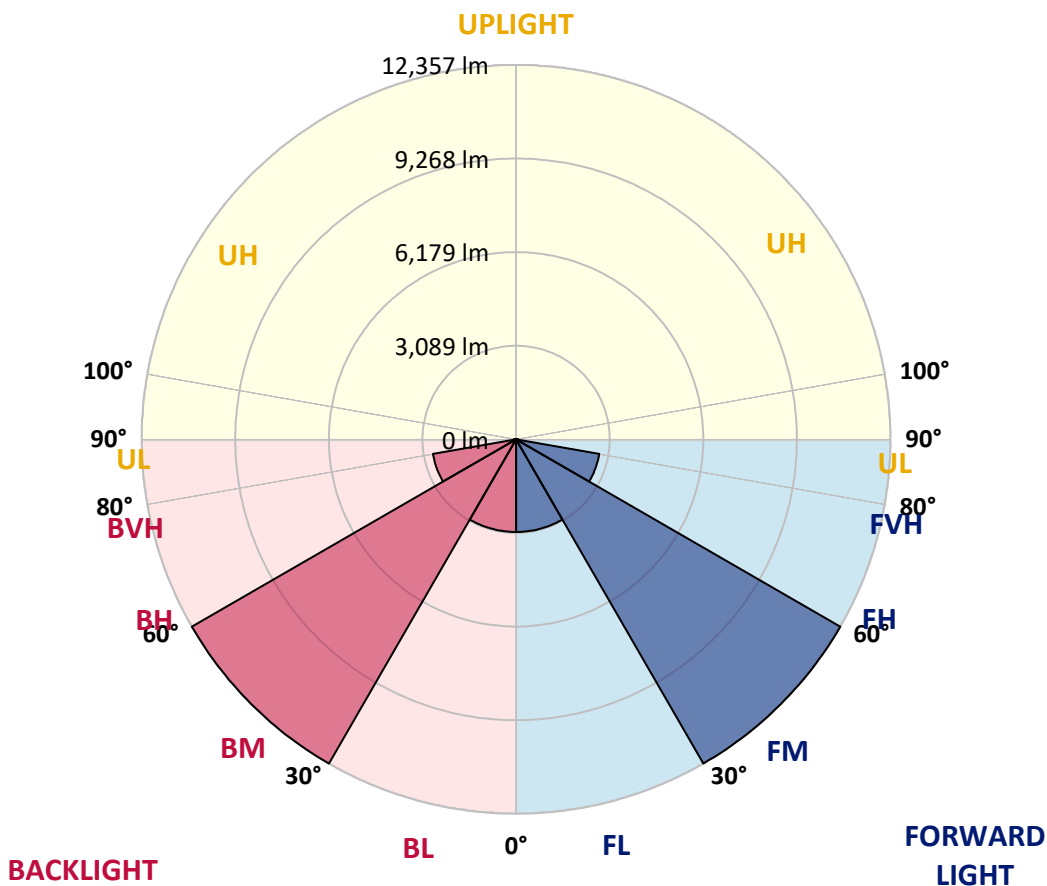
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3056.4	8.4			
FM (30°-60°)	12357.1	33.8			
FH (60°-80°)	2786.2	7.6			G2/5000
FVH (80°-90°)	73.1	0.2			G1/100
BL (0°-30°)	3056.4	8.4	B4/5000		
BM (30°-60°)	12357.1	33.8	B5		
BH (60°-80°)	2786.2	7.6	B4/5000		G2/5000
BVH (80°-90°)	73.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6992.6	6992.6	6992.6	6992.6	6992.6	6992.6	6992.6	6992.6	6992.6	6992.6	6992.6
2.5°	6950.7	6950.7	6965.7	6980.6	6986.6	7013.5	7010.5	7001.6	6995.6	6977.6	7001.6
5°	6965.7	6965.7	6977.6	6986.6	6983.6	7004.6	6995.6	6980.6	6971.6	6953.7	6980.6
7.5°	6962.7	6962.7	6971.6	6980.6	6974.6	6992.6	6977.6	6956.7	6941.7	6923.8	6947.7
10°	6923.8	6929.7	6938.7	6959.7	6968.6	6995.6	6974.6	6941.7	6917.8	6896.8	6920.8
12.5°	6917.8	6923.8	6935.7	6962.7	6977.6	7016.5	6989.6	6935.7	6899.8	6872.9	6896.8
15°	6944.7	6950.7	6968.6	7001.6	7025.5	7067.4	7028.5	6953.7	6902.8	6866.9	6887.9
17.5°	6977.6	6986.6	7013.5	7061.4	7100.3	7145.2	7097.3	7007.5	6935.7	6887.9	6905.8
20°	7013.5	7025.5	7067.4	7139.2	7211.0	7267.9	7208.0	7088.3	7001.6	6938.7	6956.7
22.5°	7076.4	7091.3	7145.2	7246.9	7354.6	7438.4	7363.6	7202.0	7088.3	7007.5	7022.5
25°	7205.0	7223.0	7291.8	7414.5	7567.1	7668.8	7564.1	7381.6	7223.0	7124.2	7139.2
27.5°	7432.4	7441.4	7531.2	7692.7	7881.2	7997.9	7872.3	7656.8	7480.3	7366.6	7378.6
30°	7731.6	7758.6	7848.3	8060.8	8285.2	8440.8	8276.2	8021.9	7818.4	7680.8	7692.7
32.5°	8096.7	8114.6	8249.3	8470.7	8793.8	8973.4	8749.0	8446.8	8201.4	8033.8	8045.8
35°	8575.4	8590.4	8719.0	9000.3	9392.3	9559.8	9302.5	8955.4	8671.2	8512.6	8557.5
37.5°	9146.9	9173.8	9266.6	9544.9	9981.7	10146.3	9850.1	9526.9	9230.7	9084.1	9117.0
40°	9760.3	9757.3	9832.1	10077.5	10475.4	10577.1	10310.8	10053.5	9799.2	9703.4	9757.3
42.5°	10286.9	10271.9	10325.8	10529.3	10804.5	10813.5	10637.0	10493.4	10313.8	10248.0	10298.9
45°	10654.9	10660.9	10741.7	10882.3	11023.0	10948.2	10894.3	10870.4	10729.7	10640.0	10649.0
47.5°	10945.2	10969.1	11097.8	11193.5	11211.5	11085.8	11160.6	11196.5	11079.8	10942.2	10903.3
50°	11202.5	11241.4	11409.0	11510.7	11471.8	11313.2	11459.8	11513.7	11256.4	10993.0	10915.3
52.5°	11669.3	11714.1	11917.6	12049.3	12004.4	11845.8	11983.4	11791.9	11358.1	11034.9	10936.2
55°	12414.3	12435.2	12683.6	12899.0	12878.1	12683.6	12572.9	12148.0	11621.4	11286.3	11193.5
57.5°	12255.7	12291.6	12722.5	13297.0	13620.1	13443.6	12794.3	12070.2	11355.1	10951.2	10825.5
60°	9643.6	9730.4	10266.0	11277.3	12462.2	12459.2	11253.4	10128.3	9266.6	8731.0	8677.1
62.5°	5631.2	5691.0	6178.7	7202.0	8264.2	8330.1	7483.3	6711.3	5957.3	5595.3	5421.7
65°	2666.0	2663.0	2857.5	3318.3	4036.4	4093.2	3838.9	3417.0	2971.2	2848.5	2815.6
67.5°	1968.8	1968.8	1953.9	1986.8	2124.4	2154.3	2124.4	2055.6	2013.7	2040.6	2022.7
70°	1708.5	1711.5	1693.5	1684.6	1684.6	1675.6	1687.6	1714.5	1732.4	1768.3	1750.4
72.5°	1385.4	1388.3	1388.3	1391.3	1394.3	1382.4	1400.3	1415.3	1418.3	1430.2	1418.3
75°	984.4	990.4	1008.3	1023.3	1035.3	1035.3	1041.3	1044.2	1032.3	1047.2	1023.3
77.5°	541.6	547.6	580.5	607.4	634.3	637.3	646.3	652.3	646.3	658.3	640.3
80°	299.2	305.2	320.2	332.1	353.1	371.0	383.0	389.0	389.0	398.0	389.0
82.5°	170.6	176.5	185.5	191.5	209.4	224.4	236.4	245.4	245.4	248.3	242.4
85°	80.8	80.8	86.8	92.8	101.7	107.7	122.7	131.7	131.7	137.6	131.7
87.5°	12.0	15.0	18.0	18.0	23.9	29.9	35.9	38.9	44.9	47.9	47.9
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)