

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: P641206

Luminaire Tested: GWS-SA5F-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-740-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29370.5 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

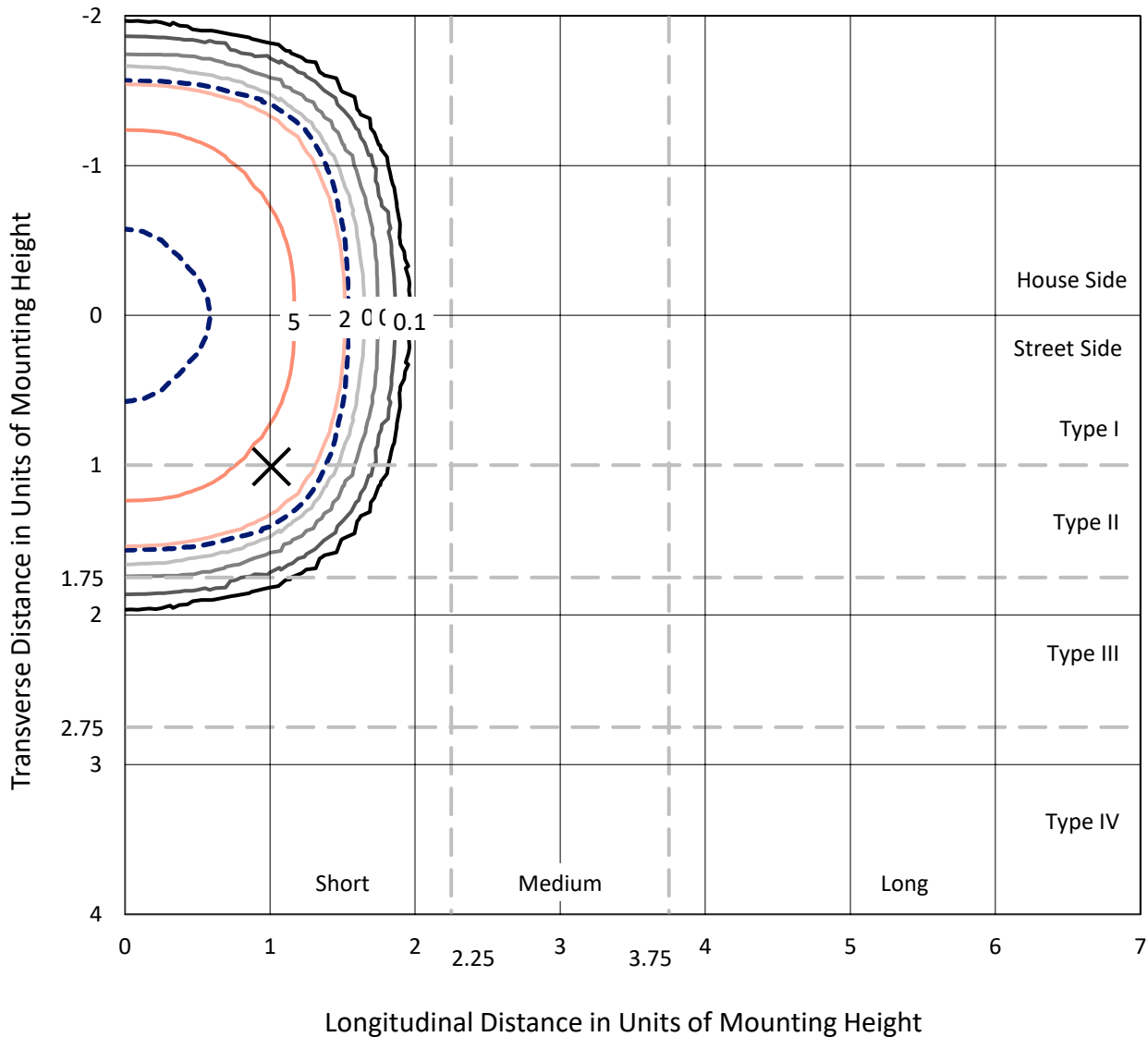
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641206
 CATALOG NUMBER: GWS-SA5F-740-U-5NQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

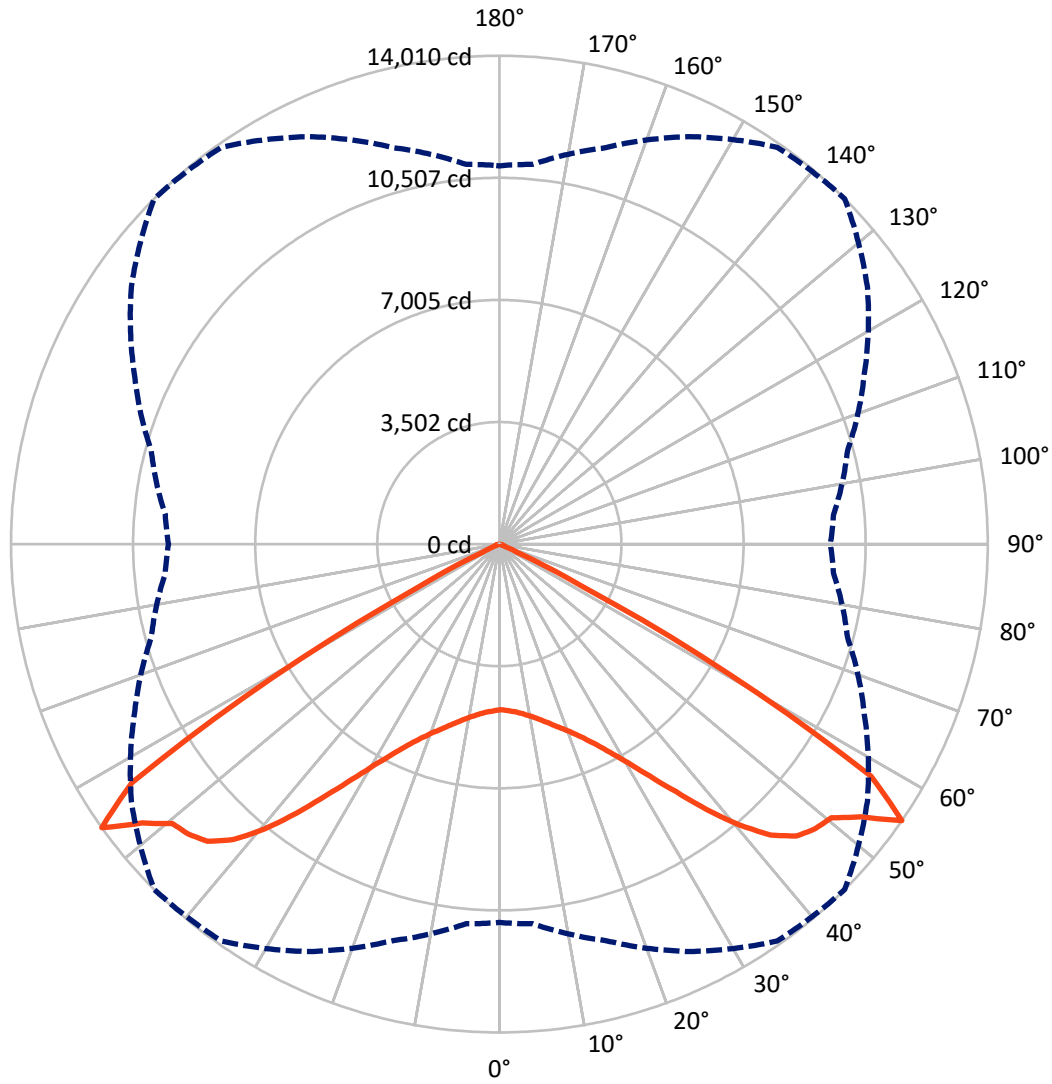
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

REPORT NUMBER: P641206
CATALOG NUMBER: GWS-SA5F-740-U-5NQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P641206

CATALOG NUMBER: GWS-SA5F-740-U-5NQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14685.3	0.0	14685.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14685.3	0.0	14685.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	29370.5	0.0	29370.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.3	1.6
10°-20°	1508.1	5.1
20°-30°	2920.8	9.9
30°-40°	5232.7	17.8
40°-50°	8773.0	29.9
50°-60°	9391.1	32.0
60°-70°	1032.0	3.5
70°-80°	45.4	0.2
80°-90°	2.1	0.0
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°	29370.5	100.0
0°-180°	29370.5	100.0

Coefficient of Utilization



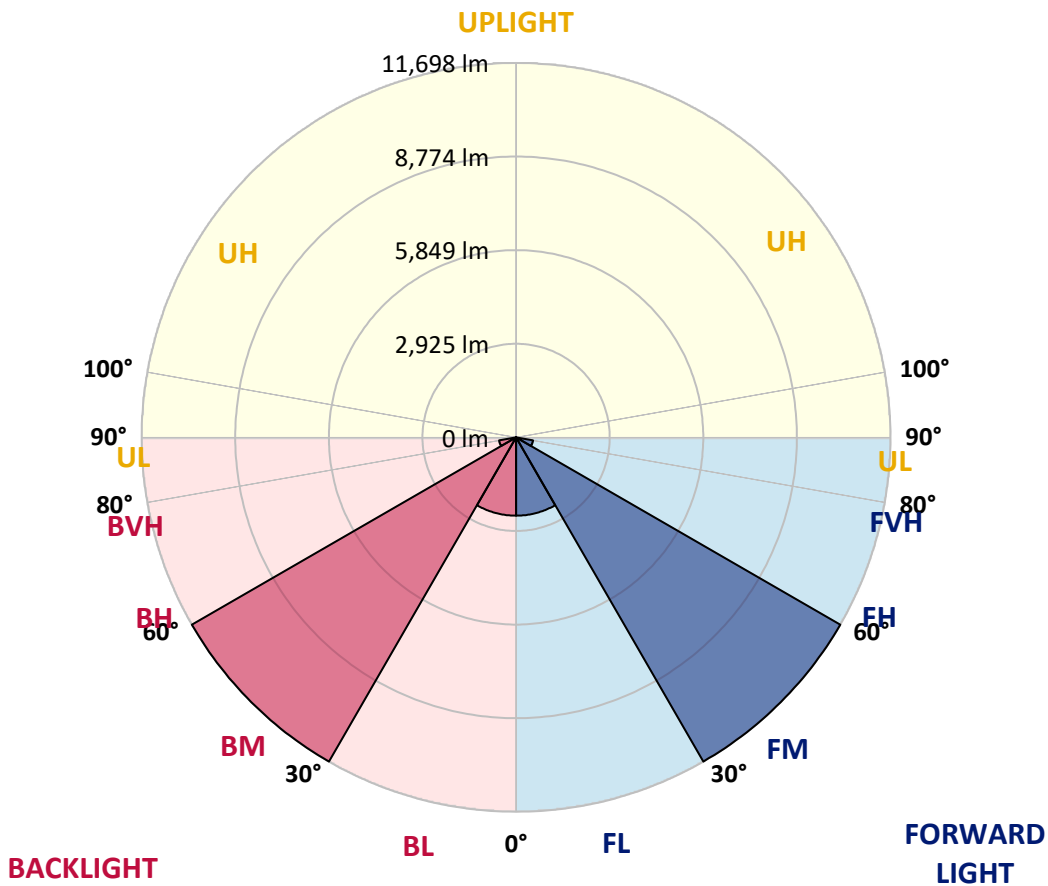
REPORT NUMBER: P641206

CATALOG NUMBER: GWS-SA5F-740-U-5NQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2447.1	8.3			
FM (30°-60°)	11698.4	39.8			
FH (60°-80°)	538.7	1.8			G0/660
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	2447.1	8.3	B3/2500		
BM (30°-60°)	11698.4	39.8	B5		
BH (60°-80°)	538.7	1.8	B2/1000		G0/660
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





REPORT NUMBER: P641206

CATALOG NUMBER: GWS-SA5F-740-U-5NQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4748.6	4748.6	4748.6	4748.6	4748.6	4748.6	4748.6	4748.6	4748.6	4748.6	4748.6
2.5°	4739.7	4739.7	4751.6	4760.6	4760.6	4784.6	4775.6	4766.6	4766.6	4754.6	4778.6
5°	4808.5	4805.5	4817.5	4823.4	4811.5	4835.4	4820.5	4811.5	4805.5	4793.5	4817.5
7.5°	4883.3	4886.3	4889.3	4901.2	4895.3	4919.2	4907.2	4889.3	4883.3	4865.3	4889.3
10°	4973.1	4973.1	4979.0	4994.0	4997.0	5026.9	5015.0	4994.0	4976.1	4958.1	4982.0
12.5°	5086.8	5089.8	5098.7	5119.7	5131.6	5164.6	5146.6	5104.7	5077.8	5056.8	5083.8
15°	5251.3	5248.3	5260.3	5290.2	5305.2	5329.1	5302.2	5245.4	5212.4	5188.5	5206.5
17.5°	5430.9	5430.9	5436.9	5466.8	5487.7	5523.6	5490.7	5421.9	5392.0	5359.1	5377.0
20°	5628.4	5637.3	5643.3	5664.3	5700.2	5736.1	5709.1	5640.3	5607.4	5565.5	5586.5
22.5°	5888.7	5879.7	5882.7	5918.6	5969.5	6005.4	5984.4	5903.6	5846.8	5813.9	5825.8
25°	6178.9	6175.9	6184.9	6238.8	6295.6	6334.5	6304.6	6199.9	6143.0	6086.2	6110.1
27.5°	6535.0	6538.0	6544.0	6609.8	6699.6	6756.4	6681.6	6576.9	6499.1	6424.3	6442.2
30°	6956.9	6950.9	6968.9	7058.6	7190.3	7280.1	7193.3	7046.7	6936.0	6864.1	6873.1
32.5°	7405.7	7411.7	7459.6	7603.2	7776.8	7935.4	7758.8	7564.3	7420.7	7286.0	7304.0
35°	7890.5	7905.4	8013.1	8225.6	8509.9	8722.3	8476.9	8156.8	7953.3	7779.8	7785.7
37.5°	8462.0	8497.9	8647.5	8964.7	9371.6	9655.9	9296.8	8871.9	8608.6	8393.2	8378.2
40°	9213.0	9254.9	9458.4	9835.4	10329.1	10589.4	10173.5	9736.7	9410.5	9177.1	9141.2
42.5°	10074.8	10128.6	10350.1	10736.1	11229.8	11406.3	10999.4	10631.3	10338.1	10062.8	10050.8
45°	11047.3	11077.2	11256.7	11552.9	11909.0	11950.9	11645.7	11442.2	11146.0	10888.7	10867.7
47.5°	11959.9	11989.8	12112.5	12265.1	12348.9	12199.3	12145.4	12055.6	11672.6	11355.5	11289.6
50°	12654.1	12678.0	12830.6	12890.5	12657.1	12339.9	12444.6	12253.1	11837.2	11481.1	11379.4
52.5°	12606.2	12666.0	13058.0	13399.1	13252.5	12995.2	12713.9	12301.0	11654.7	11166.9	11041.3
55°	10852.8	10933.6	11774.4	12896.4	13898.8	14009.5	12884.5	11552.9	10338.1	9623.0	9494.3
57.5°	6974.9	6995.8	8022.1	9596.0	11855.2	12567.3	10685.2	8710.3	7199.3	6412.3	6358.5
60°	2564.3	2522.4	3297.4	4602.0	6828.2	7582.3	6289.6	4404.5	3141.8	2585.3	2540.4
62.5°	616.4	622.4	772.0	1158.0	2142.4	2651.1	2094.5	1170.0	745.1	625.4	619.4
65°	311.2	305.2	308.2	332.1	457.8	547.6	448.8	317.2	305.2	308.2	305.2
67.5°	200.5	197.5	203.5	206.5	203.5	191.5	188.5	194.5	194.5	197.5	191.5
70°	122.7	119.7	125.7	134.6	128.7	113.7	119.7	125.7	119.7	116.7	116.7
72.5°	65.8	65.8	71.8	77.8	71.8	65.8	65.8	68.8	65.8	65.8	65.8
75°	29.9	29.9	32.9	35.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
77.5°	9.0	9.0	12.0	12.0	9.0	9.0	9.0	9.0	12.0	12.0	12.0
80°	3.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	6.0
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
85°	3.0	3.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0
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)