

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: P642693

Luminaire Tested: GWS-SA6D-740-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-740-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37440.8 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

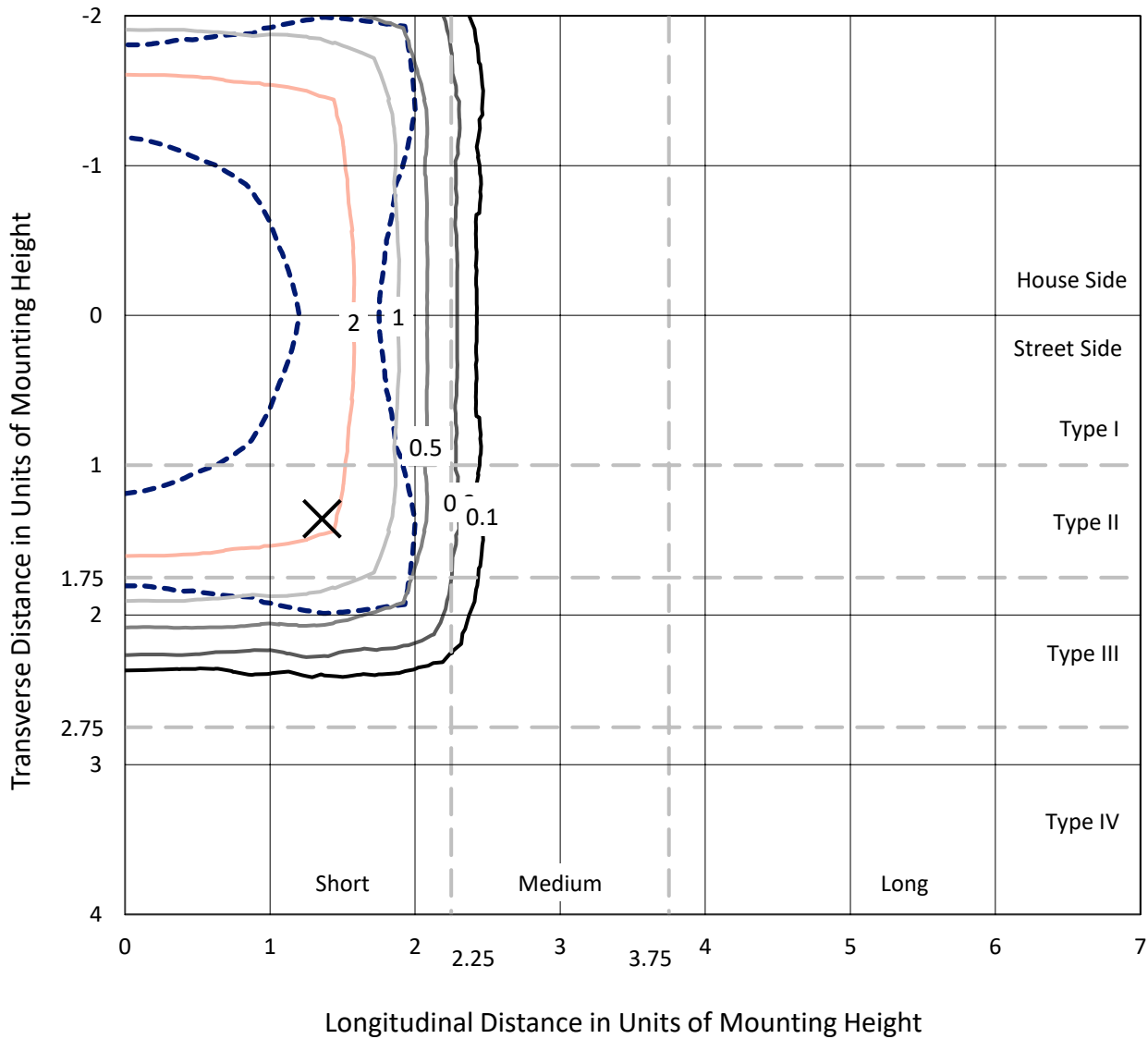
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642693
 CATALOG NUMBER: GWS-SA6D-740-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

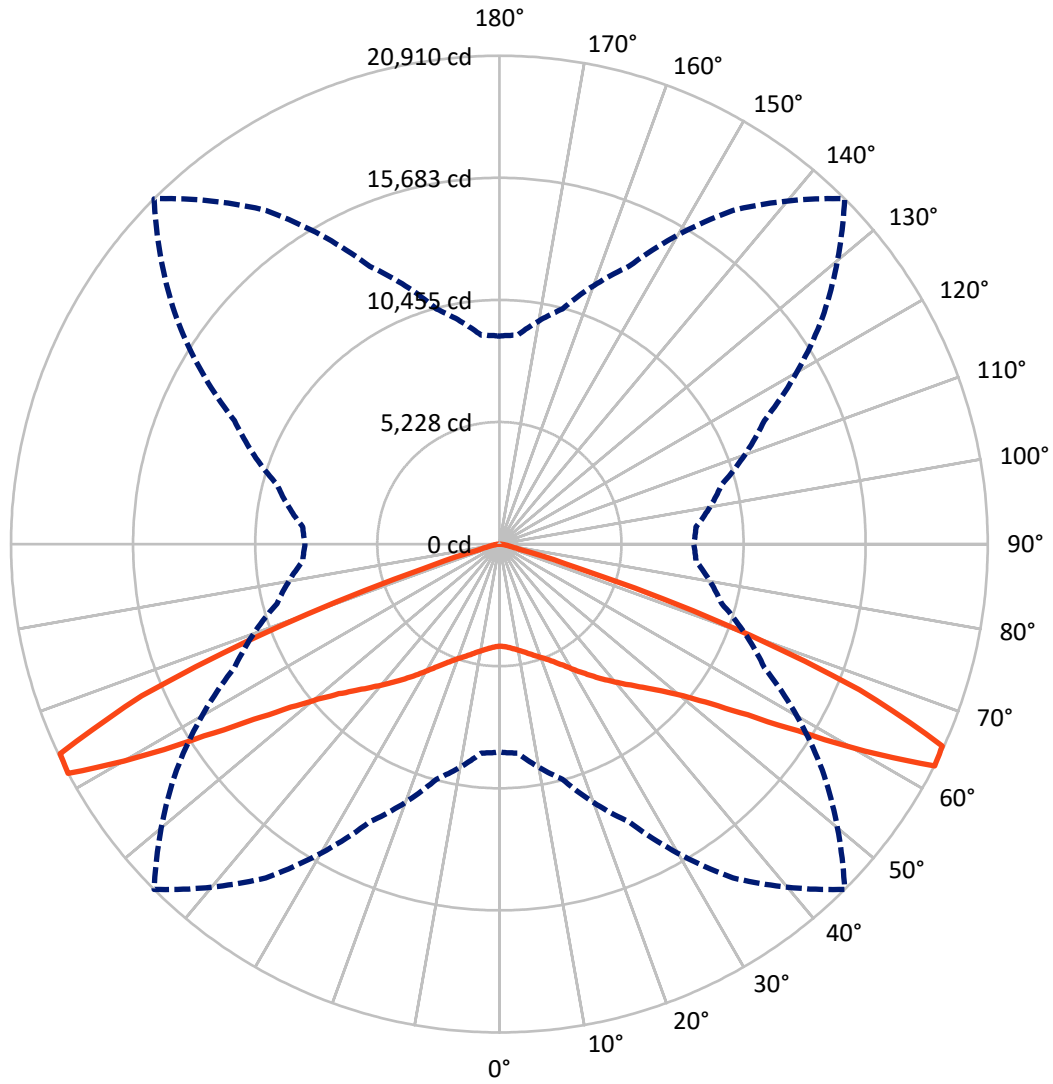
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

REPORT NUMBER: P642693
CATALOG NUMBER: GWS-SA6D-740-U-5NQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P642693

CATALOG NUMBER: GWS-SA6D-740-U-5NQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18720.4	0.0	18720.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18720.4	0.0	18720.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	37440.8	0.0	37440.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.6	1.1
10°-20°	1382.0	3.7
20°-30°	2614.6	7.0
30°-40°	4400.8	11.8
40°-50°	7031.2	18.8
50°-60°	11333.9	30.3
60°-70°	9247.2	24.7
70°-80°	898.0	2.4
80°-90°	104.5	0.3
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°	37440.8	100.0
0°-180°	37440.8	100.0

Coefficient of Utilization



REPORT NUMBER: P642693

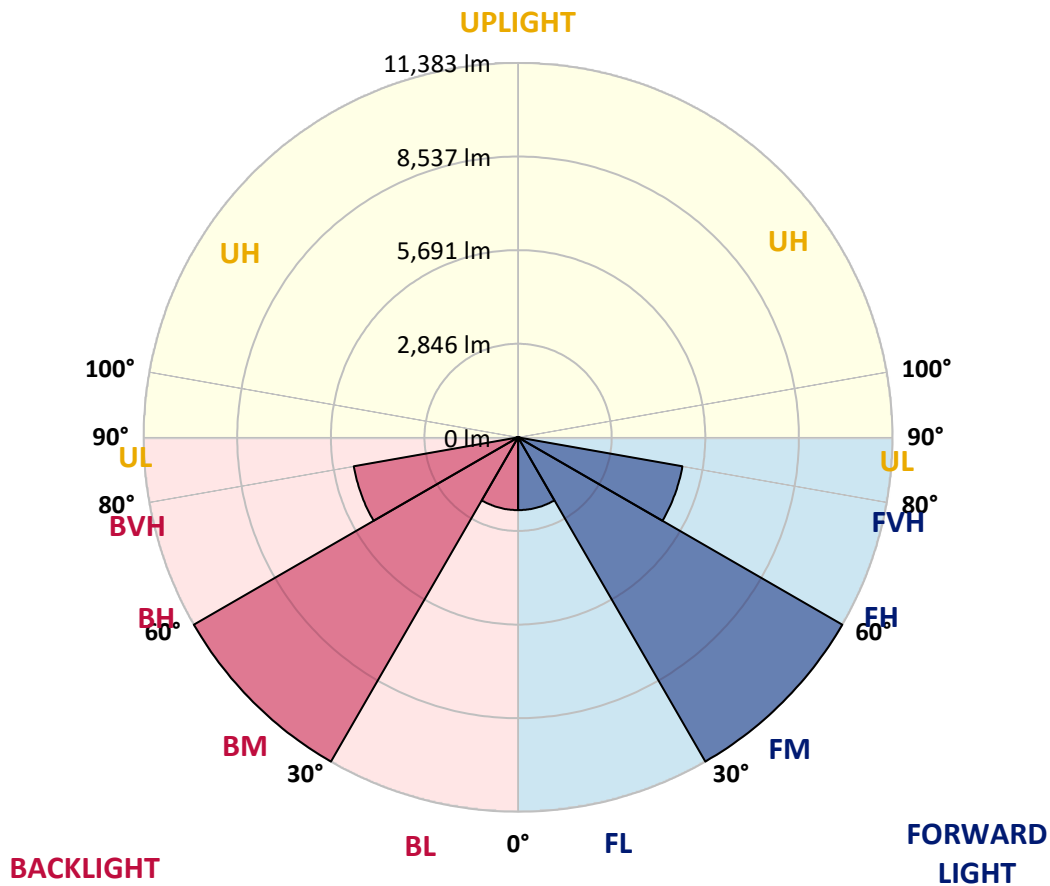
CATALOG NUMBER: GWS-SA6D-740-U-5NQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2212.6	5.9			
FM (30°-60°)	11383.0	30.4			
FH (60°-80°)	5072.6	13.5			G3/7500
FVH (80°-90°)	52.2	0.1			G1/100
BL (0°-30°)	2212.6	5.9	B3/2500		
BM (30°-60°)	11383.0	30.4	B5		
BH (60°-80°)	5072.6	13.5	B5		G3/7500
BVH (80°-90°)	52.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





REPORT NUMBER: P642693
 CATALOG NUMBER: GWS-SA6D-740-U-5NQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4368.0	4368.0	4368.0	4368.0	4368.0	4368.0	4368.0	4368.0	4368.0	4368.0	4368.0
2.5°	4362.8	4362.8	4373.1	4380.8	4375.7	4396.2	4393.7	4388.5	4385.9	4378.2	4401.4
5°	4421.9	4421.9	4429.6	4437.3	4424.5	4450.1	4439.9	4434.7	4432.2	4421.9	4442.4
7.5°	4488.7	4496.4	4498.9	4511.8	4504.1	4532.3	4524.6	4514.3	4509.2	4496.4	4514.3
10°	4563.1	4568.3	4570.8	4593.9	4596.5	4629.9	4622.2	4609.4	4599.1	4586.2	4611.9
12.5°	4663.3	4665.8	4673.6	4701.8	4709.5	4735.2	4732.6	4714.6	4701.8	4683.8	4712.1
15°	4791.7	4794.2	4807.1	4835.3	4848.2	4879.0	4868.7	4840.5	4822.5	4801.9	4825.1
17.5°	4925.2	4935.5	4948.3	4976.6	4994.5	5030.5	5017.6	4986.8	4971.4	4950.9	4966.3
20°	5097.3	5099.8	5107.5	5138.3	5151.2	5192.3	5194.8	5164.0	5156.3	5135.8	5158.9
22.5°	5287.3	5289.8	5297.5	5330.9	5354.0	5379.7	5395.1	5377.2	5364.3	5338.6	5366.9
25°	5497.8	5523.5	5531.2	5572.3	5598.0	5613.4	5631.4	5623.7	5605.7	5574.9	5587.7
27.5°	5793.2	5798.3	5811.1	5857.3	5872.8	5888.2	5906.1	5908.7	5883.0	5847.1	5865.1
30°	6129.5	6127.0	6155.2	6191.2	6204.0	6216.9	6242.5	6257.9	6224.6	6186.0	6204.0
32.5°	6473.6	6504.5	6540.4	6573.8	6566.1	6571.2	6612.3	6640.6	6594.3	6525.0	6540.4
35°	6861.4	6881.9	6928.2	6976.9	6966.7	6959.0	6984.7	7012.9	6948.7	6858.8	6881.9
37.5°	7259.4	7290.2	7359.6	7418.6	7403.2	7367.3	7395.5	7426.3	7364.7	7262.0	7251.7
40°	7703.7	7752.4	7852.6	7901.4	7860.3	7791.0	7839.8	7914.2	7852.6	7734.5	7706.2
42.5°	8224.9	8284.0	8384.1	8458.6	8368.7	8255.8	8337.9	8445.8	8430.4	8273.7	8224.9
45°	8869.5	8908.0	9031.3	9067.2	8933.7	8777.0	8926.0	9090.3	9051.8	8882.3	8818.1
47.5°	9570.5	9629.6	9737.4	9804.2	9588.5	9393.3	9601.3	9822.2	9781.1	9621.9	9547.4
50°	10464.1	10541.2	10682.4	10738.9	10441.0	10217.6	10484.7	10764.6	10685.0	10471.8	10374.3
52.5°	11437.4	11499.0	11740.4	11853.4	11573.5	11332.1	11565.8	11840.5	11671.0	11388.6	11257.6
55°	12295.0	12356.7	12711.0	13085.9	13073.1	12906.2	13024.3	13029.5	12569.8	12102.4	11963.8
57.5°	12479.9	12541.6	13216.9	14197.8	14891.2	15083.8	14737.1	14007.8	12849.7	12030.5	11873.9
60°	11493.9	11563.2	12636.6	14429.0	16709.2	17995.7	16398.5	13987.3	11984.3	10875.0	10726.1
62.5°	8905.4	8979.9	10423.0	13114.2	17443.7	20910.3	16881.3	12515.9	9858.1	8453.5	8322.5
65°	4252.4	4252.4	6085.9	9406.2	15980.0	20841.0	15484.4	9259.8	5934.4	4558.0	4445.0
67.5°	1052.8	1058.0	1566.4	3661.8	10869.9	16632.2	11047.0	4445.0	2090.3	1479.1	1440.6
70°	657.4	654.8	726.7	991.2	3803.0	10094.4	4516.9	1340.4	850.0	749.8	744.7
72.5°	511.0	511.0	547.0	634.3	996.3	3438.4	1317.3	744.7	616.3	554.7	554.7
75°	403.2	403.2	428.8	475.1	588.0	885.9	701.0	552.1	477.6	436.5	431.4
77.5°	300.4	305.6	326.1	356.9	400.6	498.2	444.2	416.0	372.3	341.5	331.3
80°	195.2	202.9	228.5	246.5	261.9	328.7	290.2	303.0	282.5	246.5	241.4
82.5°	105.3	107.9	138.7	143.8	148.9	179.8	184.9	192.6	200.3	156.6	146.4
85°	38.5	38.5	46.2	53.9	59.1	64.2	87.3	107.9	113.0	89.9	87.3
87.5°	7.7	7.7	7.7	5.1	5.1	5.1	15.4	28.2	46.2	36.0	36.0
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)