

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: P642802

Luminaire Tested: GWS-SA6D-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-760-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32763.2 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

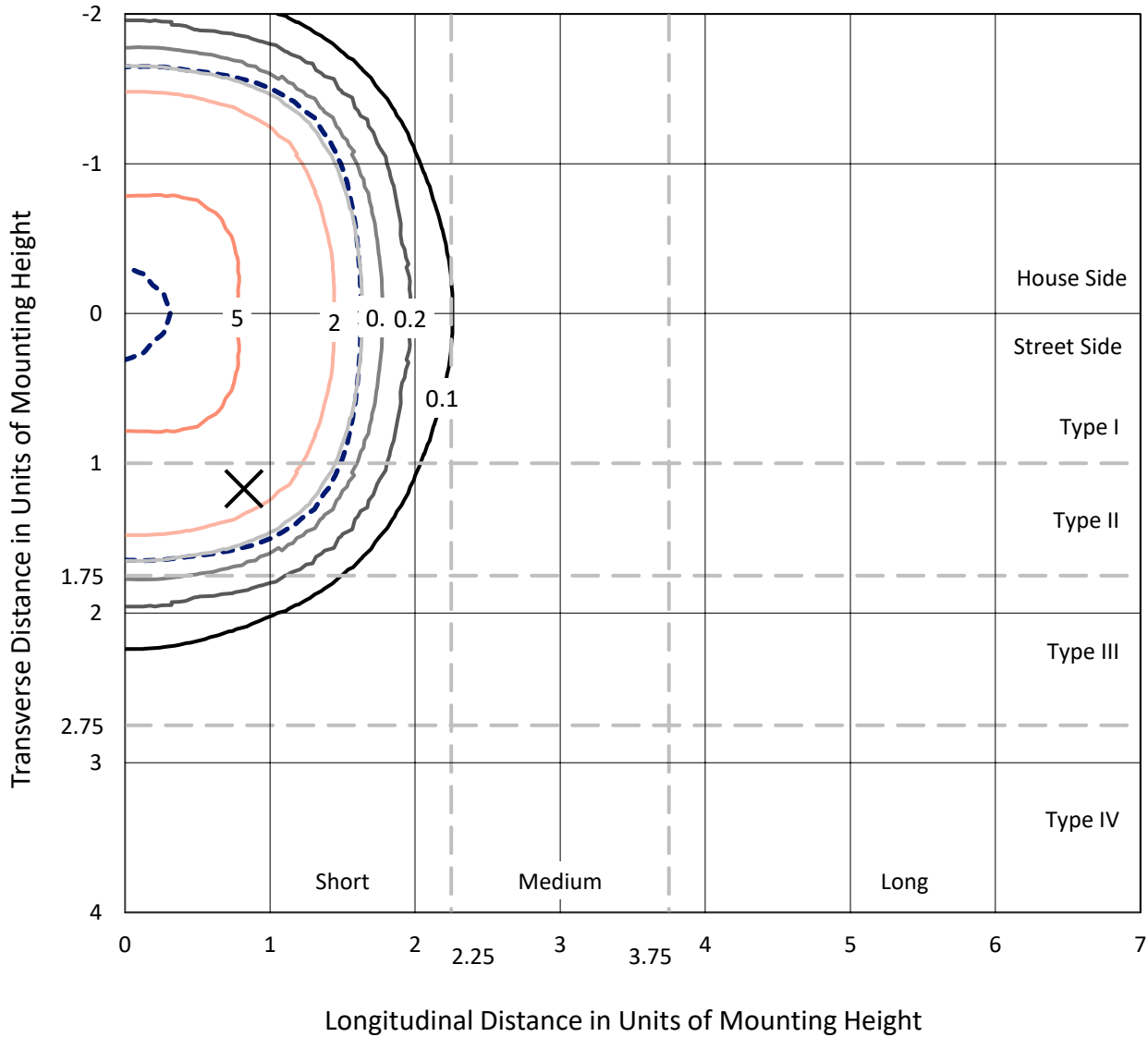
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

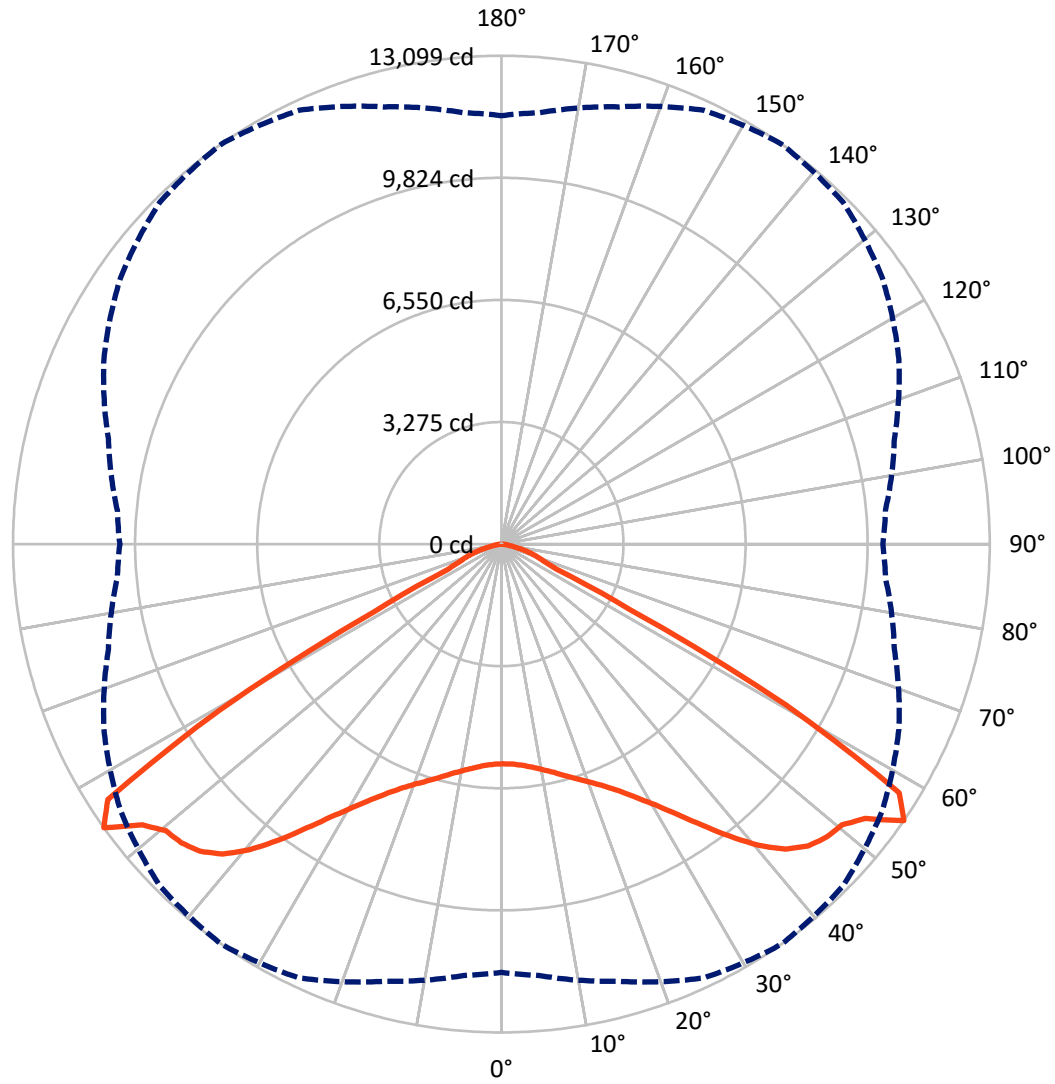
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16381.6	0.0	16381.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16381.6	0.0	16381.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	32763.2	0.0	32763.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	574.9	1.8
10°-20°	1830.4	5.6
20°-30°	3387.6	10.3
30°-40°	5666.9	17.3
40°-50°	8635.3	26.4
50°-60°	9673.4	29.5
60°-70°	2288.8	7.0
70°-80°	617.1	1.9
80°-90°	88.8	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°	32763.2	100.0
0°-180°	32763.2	100.0

Coefficient of Utilization



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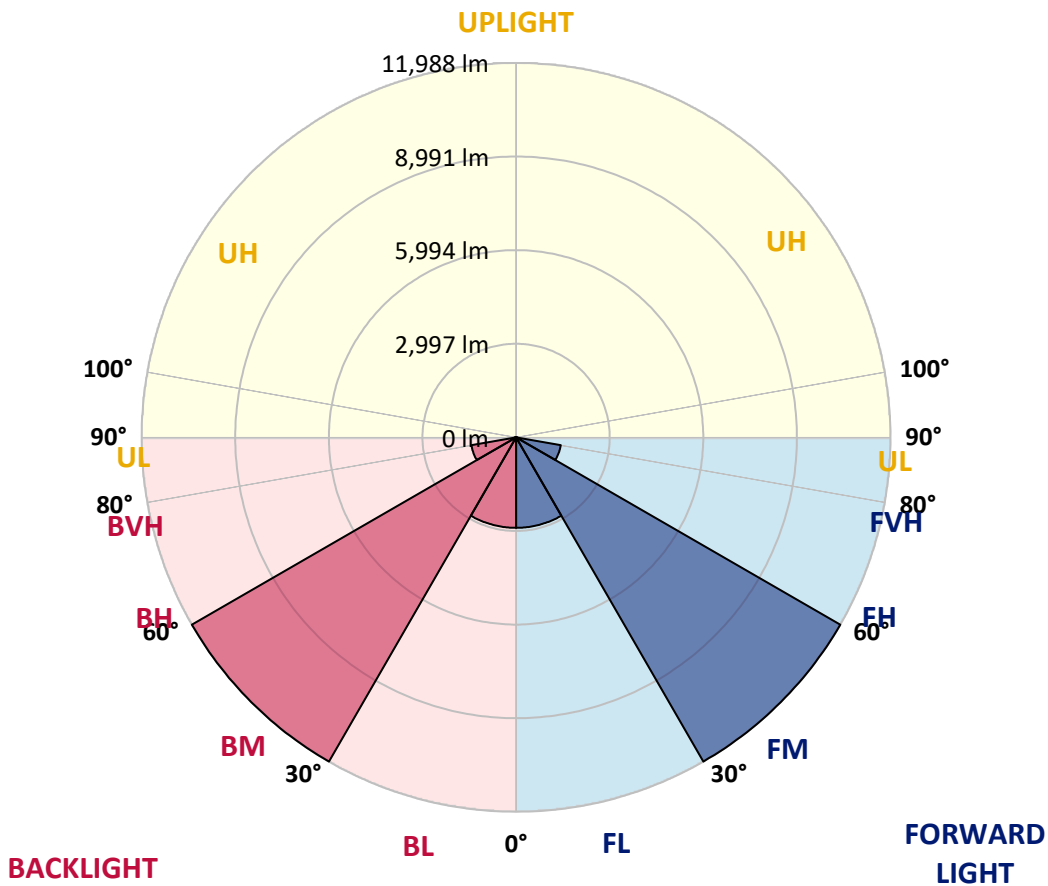
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2896.5	8.8			
FM (30°-60°)	11987.8	36.6			
FH (60°-80°)	1452.9	4.4			G1/1800
FVH (80°-90°)	44.4	0.1			G1/100
BL (0°-30°)	2896.5	8.8	B4/5000		
BM (30°-60°)	11987.8	36.6	B5		
BH (60°-80°)	1452.9	4.4	B3/2500		G1/1800
BVH (80°-90°)	44.4	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5894.2	5894.2	5894.2	5894.2	5894.2	5894.2	5894.2	5894.2	5894.2	5894.2	5894.2
2.5°	5881.2	5881.2	5891.6	5904.6	5907.1	5933.1	5927.9	5917.5	5912.3	5902.0	5925.3
5°	5946.0	5948.6	5956.4	5964.1	5959.0	5979.7	5971.9	5959.0	5951.2	5938.2	5961.5
7.5°	6031.5	6031.5	6039.3	6049.6	6044.5	6075.5	6060.0	6041.9	6028.9	6013.4	6034.1
10°	6109.2	6114.4	6122.2	6142.9	6153.3	6187.0	6176.6	6150.7	6130.0	6111.8	6135.1
12.5°	6225.8	6231.0	6238.8	6267.3	6285.4	6319.1	6303.5	6267.3	6236.2	6210.3	6236.2
15°	6376.1	6370.9	6391.6	6427.9	6451.2	6482.3	6464.2	6402.0	6360.5	6326.9	6352.8
17.5°	6528.9	6526.4	6547.1	6593.7	6627.4	6668.9	6637.8	6565.2	6521.2	6479.7	6505.6
20°	6694.8	6702.5	6723.3	6767.3	6816.5	6870.9	6845.0	6767.3	6718.1	6671.4	6692.2
22.5°	6899.4	6902.0	6925.3	6982.3	7047.1	7098.9	7083.4	6987.5	6925.3	6876.1	6902.0
25°	7145.6	7143.0	7174.1	7241.4	7332.1	7383.9	7350.2	7244.0	7176.7	7119.7	7140.4
27.5°	7428.0	7425.4	7472.0	7560.1	7689.6	7762.2	7692.2	7560.1	7466.8	7386.5	7404.7
30°	7782.9	7775.1	7827.0	7946.1	8114.5	8236.3	8132.7	7948.7	7827.0	7741.5	7759.6
32.5°	8176.7	8187.1	8251.9	8412.5	8624.9	8783.0	8627.5	8422.9	8259.6	8135.3	8156.0
35°	8609.4	8609.4	8741.5	8941.0	9244.2	9454.0	9213.1	8917.7	8700.1	8529.1	8534.3
37.5°	9091.3	9096.5	9270.1	9544.7	9941.1	10187.2	9860.8	9495.5	9231.2	9047.3	9036.9
40°	9679.4	9695.0	9873.7	10179.5	10625.1	10850.5	10500.7	10143.2	9873.7	9656.1	9635.4
42.5°	10342.7	10347.9	10537.0	10811.6	11187.3	11322.0	11047.4	10754.6	10534.4	10337.5	10316.8
45°	10974.8	10961.9	11125.1	11329.8	11547.4	11560.4	11407.5	11288.3	11096.6	10928.2	10897.1
47.5°	11467.1	11456.7	11604.4	11715.8	11741.7	11614.8	11664.0	11682.2	11459.3	11231.3	11171.8
50°	11767.6	11788.4	11928.3	11990.5	11837.6	11630.3	11816.9	11770.2	11451.6	11153.6	11057.8
52.5°	11949.0	11980.1	12223.6	12381.7	12223.6	12026.7	12052.6	11778.0	11319.4	10925.6	10801.3
55°	11490.4	11614.8	12140.7	12840.3	13099.3	12962.0	12469.8	11762.5	10912.7	10340.1	10233.9
57.5°	8516.1	8713.0	9492.9	11008.5	12583.8	13083.8	11645.9	9860.8	8573.1	7837.3	7775.1
60°	4347.4	4567.7	5192.1	6749.2	8775.2	9479.9	8112.0	6313.9	5018.5	4422.6	4355.2
62.5°	1774.7	1811.0	2015.7	2616.8	3878.5	4474.4	3930.3	2759.3	2072.7	1909.5	1912.0
65°	1396.5	1404.2	1393.9	1430.2	1624.5	1803.2	1665.9	1463.8	1427.6	1445.7	1432.7
67.5°	1217.7	1220.3	1212.5	1212.5	1220.3	1212.5	1228.1	1235.8	1241.0	1261.7	1248.8
70°	1018.2	1020.8	1020.8	1026.0	1023.4	1010.4	1033.7	1044.1	1046.7	1059.7	1051.9
72.5°	787.6	795.4	800.6	803.2	800.6	792.8	805.8	823.9	821.3	834.3	821.3
75°	533.7	544.1	549.3	559.6	557.0	557.0	572.6	580.4	572.6	582.9	572.6
77.5°	303.1	310.9	326.4	336.8	347.2	354.9	365.3	370.5	367.9	373.1	367.9
80°	176.2	178.8	191.7	196.9	209.9	222.8	233.2	238.4	240.9	243.5	240.9
82.5°	101.0	103.6	108.8	114.0	124.4	134.7	145.1	152.9	152.9	155.5	152.9
85°	49.2	49.2	51.8	54.4	59.6	67.4	75.1	82.9	85.5	85.5	85.5
87.5°	7.8	7.8	10.4	10.4	13.0	15.5	20.7	25.9	28.5	28.5	28.5
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)