

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: P642583

Luminaire Tested: GWS-SA6D-730-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642583
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-730-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34094.1 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

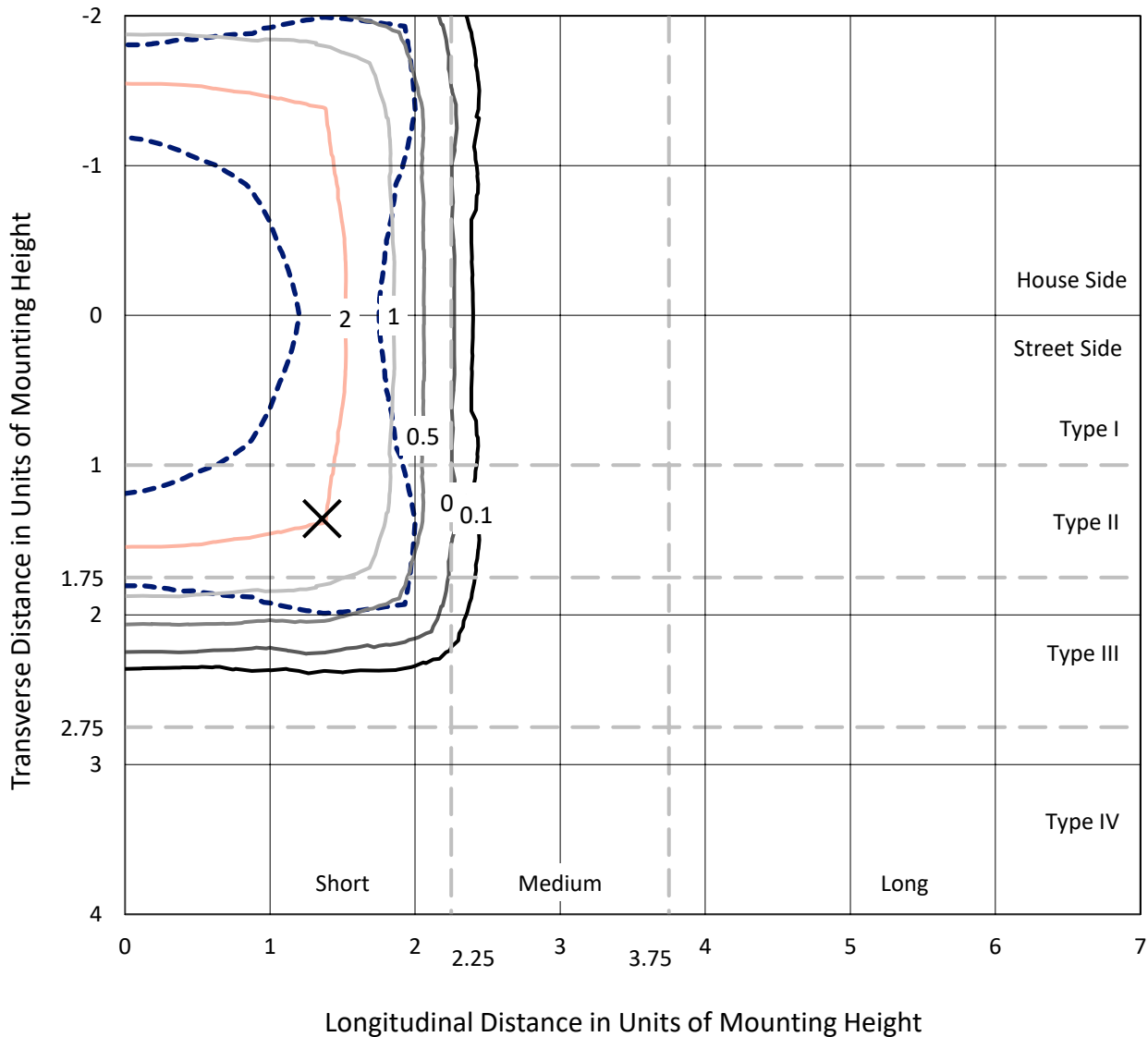
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

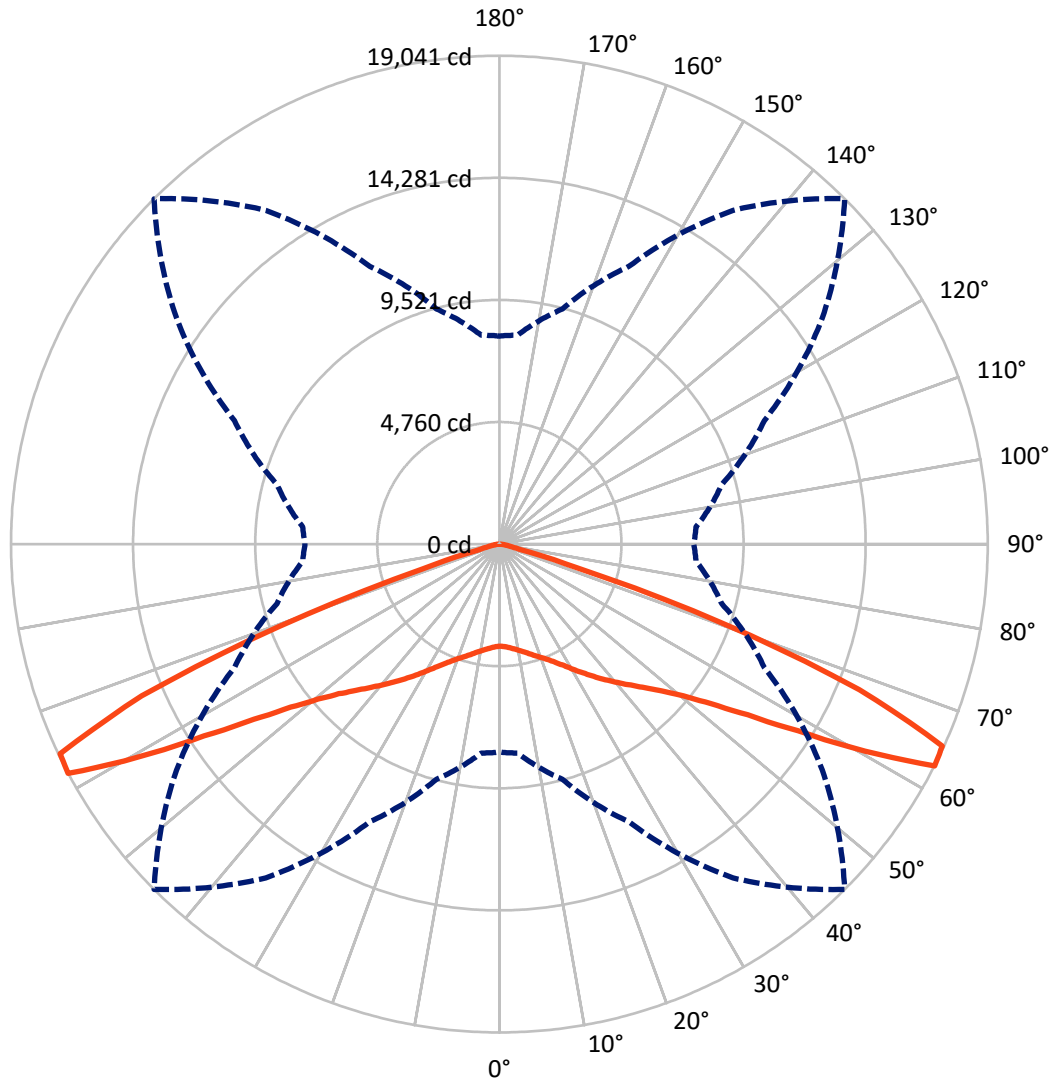
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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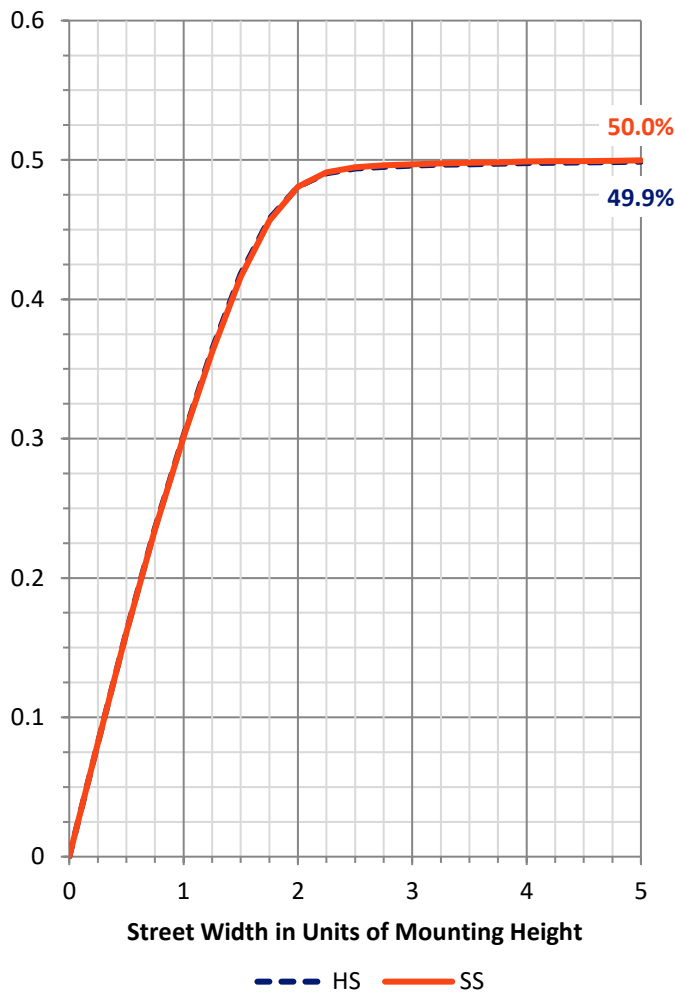
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17047.0	0.0	17047.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17047.0	0.0	17047.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34094.1	0.0	34094.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.2	1.1
10°-20°	1258.5	3.7
20°-30°	2380.9	7.0
30°-40°	4007.4	11.8
40°-50°	6402.7	18.8
50°-60°	10320.8	30.3
60°-70°	8420.6	24.7
70°-80°	817.7	2.4
80°-90°	95.1	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°	34094.1	100.0
0°-180°	34094.1	100.0

Coefficient of Utilization



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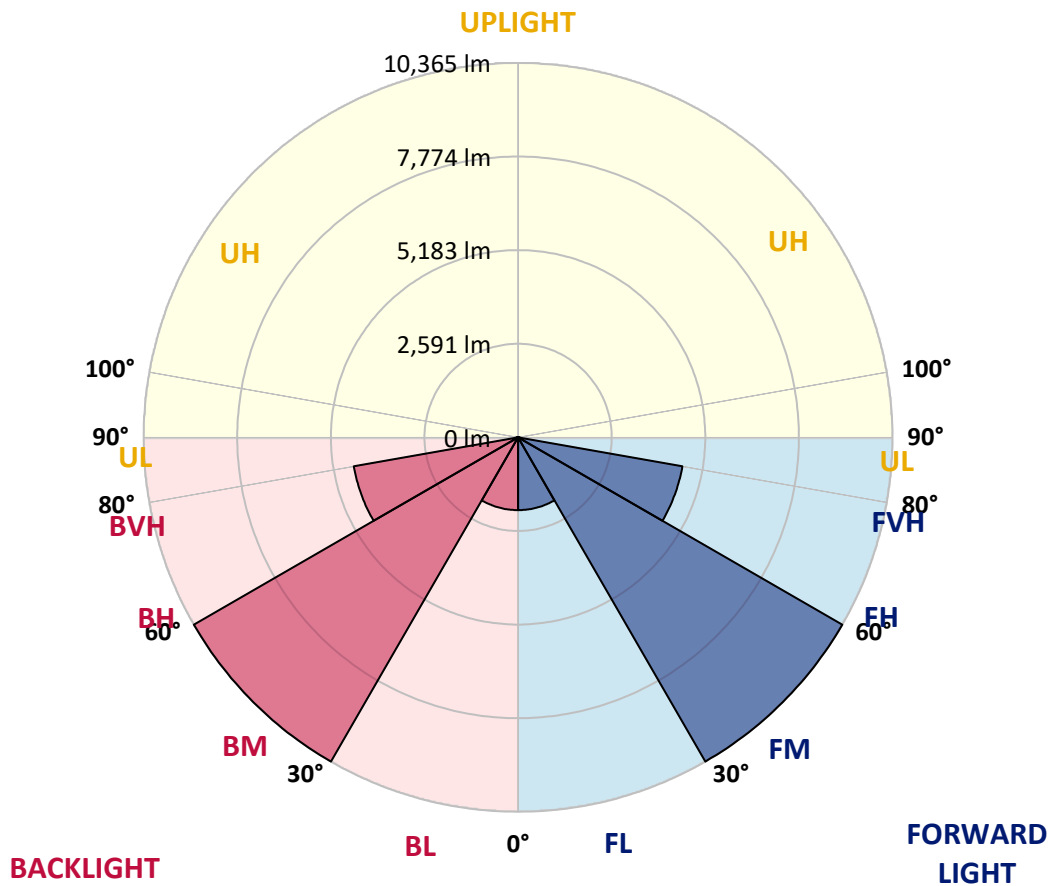
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2014.8	5.9			
FM (30°-60°)	10365.5	30.4			
FH (60°-80°)	4619.2	13.5			G2/5000
FVH (80°-90°)	47.6	0.1			G1/100
BL (0°-30°)	2014.8	5.9	B3/2500		
BM (30°-60°)	10365.5	30.4	B5		
BH (60°-80°)	4619.2	13.5	B4/5000		G2/5000
BVH (80°-90°)	47.6	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3977.5	3977.5	3977.5	3977.5	3977.5	3977.5	3977.5	3977.5	3977.5	3977.5	3977.5
2.5°	3972.9	3972.9	3982.2	3989.2	3984.6	4003.3	4000.9	3996.2	3993.9	3986.9	4007.9
5°	4026.6	4026.6	4033.7	4040.7	4029.0	4052.4	4043.0	4038.3	4036.0	4026.6	4045.3
7.5°	4087.4	4094.5	4096.8	4108.5	4101.5	4127.2	4120.2	4110.8	4106.1	4094.5	4110.8
10°	4155.3	4159.9	4162.3	4183.3	4185.6	4216.0	4209.0	4197.3	4188.0	4176.3	4199.7
12.5°	4246.4	4248.8	4255.8	4281.5	4288.5	4311.9	4309.6	4293.2	4281.5	4265.2	4290.9
15°	4363.4	4365.7	4377.4	4403.1	4414.8	4442.9	4433.5	4407.8	4391.4	4372.7	4393.8
17.5°	4485.0	4494.3	4506.0	4531.7	4548.1	4580.8	4569.1	4541.1	4527.0	4508.3	4522.4
20°	4641.6	4644.0	4651.0	4679.0	4690.7	4728.1	4730.5	4702.4	4695.4	4676.7	4697.7
22.5°	4814.7	4817.0	4824.0	4854.4	4875.5	4898.8	4912.9	4896.5	4884.8	4861.4	4887.2
25°	5006.4	5029.8	5036.8	5074.2	5097.6	5111.6	5128.0	5121.0	5104.6	5076.6	5088.3
27.5°	5275.3	5280.0	5291.7	5333.8	5347.8	5361.8	5378.2	5380.5	5357.2	5324.4	5340.8
30°	5581.6	5579.3	5605.0	5637.8	5649.5	5661.1	5684.5	5698.6	5668.2	5633.1	5649.5
32.5°	5895.0	5923.0	5955.8	5986.2	5979.2	5983.8	6021.3	6047.0	6004.9	5941.8	5955.8
35°	6248.1	6266.8	6308.9	6353.3	6343.9	6336.9	6360.3	6386.0	6327.6	6245.7	6266.8
37.5°	6610.5	6638.6	6701.7	6755.5	6741.5	6708.7	6734.5	6762.5	6706.4	6612.9	6603.5
40°	7015.1	7059.5	7150.7	7195.1	7157.7	7094.6	7139.0	7206.8	7150.7	7043.1	7017.4
42.5°	7489.7	7543.5	7634.7	7702.5	7620.7	7517.8	7592.6	7690.8	7676.8	7534.2	7489.7
45°	8076.7	8111.7	8224.0	8256.7	8135.1	7992.5	8128.1	8277.8	8242.7	8088.4	8029.9
47.5°	8715.0	8768.8	8867.0	8927.8	8731.4	8553.7	8743.1	8944.2	8906.8	8761.8	8694.0
50°	9528.8	9598.9	9727.5	9779.0	9507.7	9304.3	9547.5	9802.4	9729.9	9535.8	9446.9
52.5°	10415.0	10471.1	10690.9	10793.8	10539.0	10319.1	10531.9	10782.1	10627.8	10370.6	10251.3
55°	11196.0	11252.1	11574.8	11916.2	11904.5	11752.6	11860.1	11864.8	11446.2	11020.7	10894.4
57.5°	11364.4	11420.5	12035.5	12928.7	13560.1	13735.5	13419.8	12755.7	11701.1	10955.2	10812.5
60°	10466.5	10529.6	11507.0	13139.2	15215.7	16387.2	14932.7	12737.0	10913.1	9902.9	9767.3
62.5°	8109.4	8177.2	9491.4	11942.0	15884.4	19041.2	15372.3	11397.1	8976.9	7697.9	7578.6
65°	3872.3	3872.3	5541.9	8565.4	14551.6	18978.1	14100.3	8432.1	5403.9	4150.6	4047.7
67.5°	958.7	963.4	1426.4	3334.5	9898.2	15145.5	10059.6	4047.7	1903.4	1346.9	1311.8
70°	598.6	596.3	661.8	902.6	3463.1	9192.1	4113.2	1220.6	774.0	682.8	678.1
72.5°	465.3	465.3	498.1	577.6	907.3	3131.1	1199.6	678.1	561.2	505.1	505.1
75°	367.1	367.1	390.5	432.6	535.5	806.7	638.4	502.7	434.9	397.5	392.8
77.5°	273.6	278.3	297.0	325.0	364.8	453.6	404.5	378.8	339.1	311.0	301.6
80°	177.7	184.7	208.1	224.5	238.5	299.3	264.2	275.9	257.2	224.5	219.8
82.5°	95.9	98.2	126.3	130.9	135.6	163.7	168.4	175.4	182.4	142.6	133.3
85°	35.1	35.1	42.1	49.1	53.8	58.5	79.5	98.2	102.9	81.8	79.5
87.5°	7.0	7.0	7.0	4.7	4.7	4.7	14.0	25.7	42.1	32.7	32.7
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)