

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: P642578

Luminaire Tested: GWS-SA6D-730-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-730-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19930.3 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

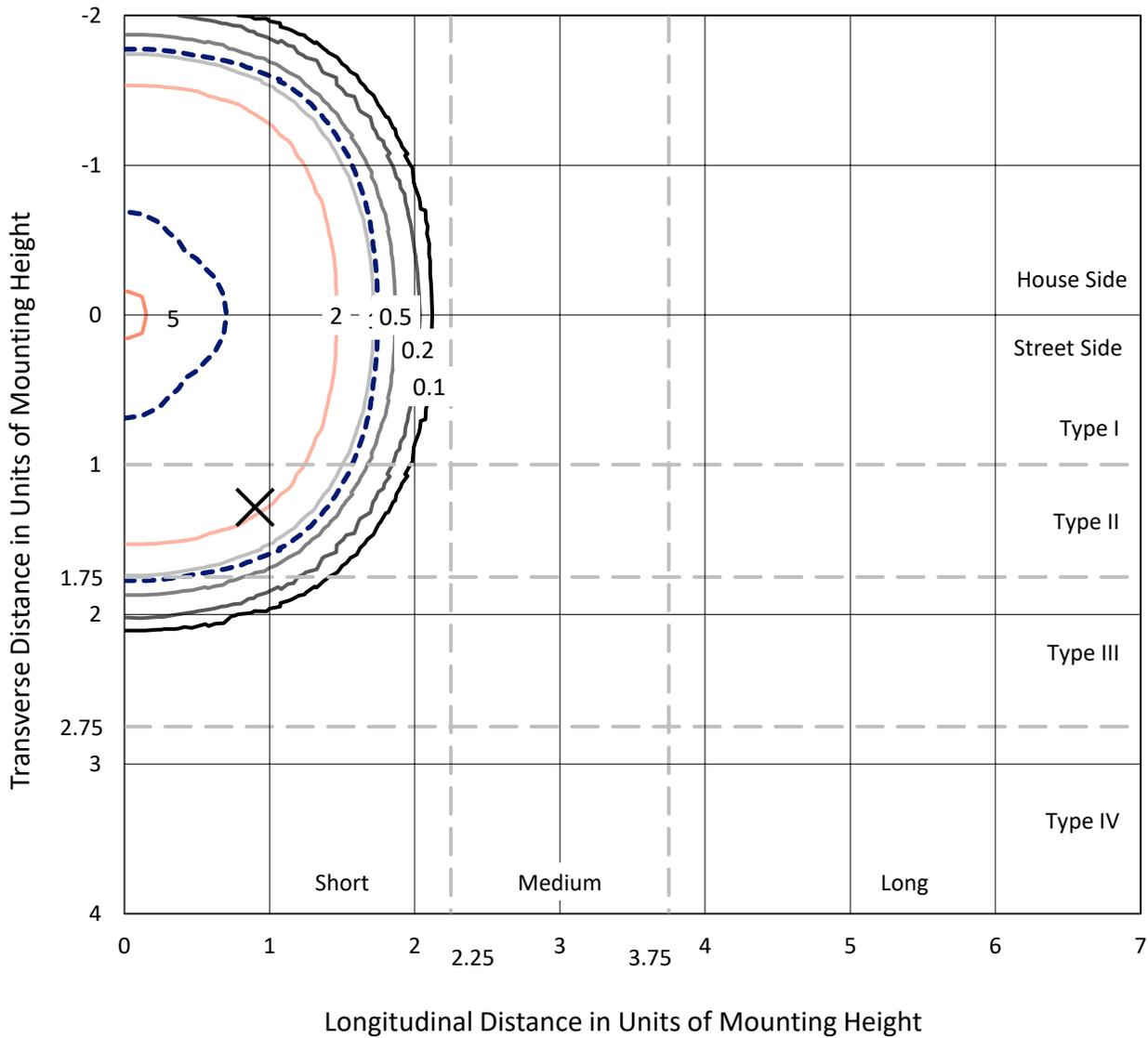
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642578
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Iso-Footcandle Lines of Horizontal Illumination

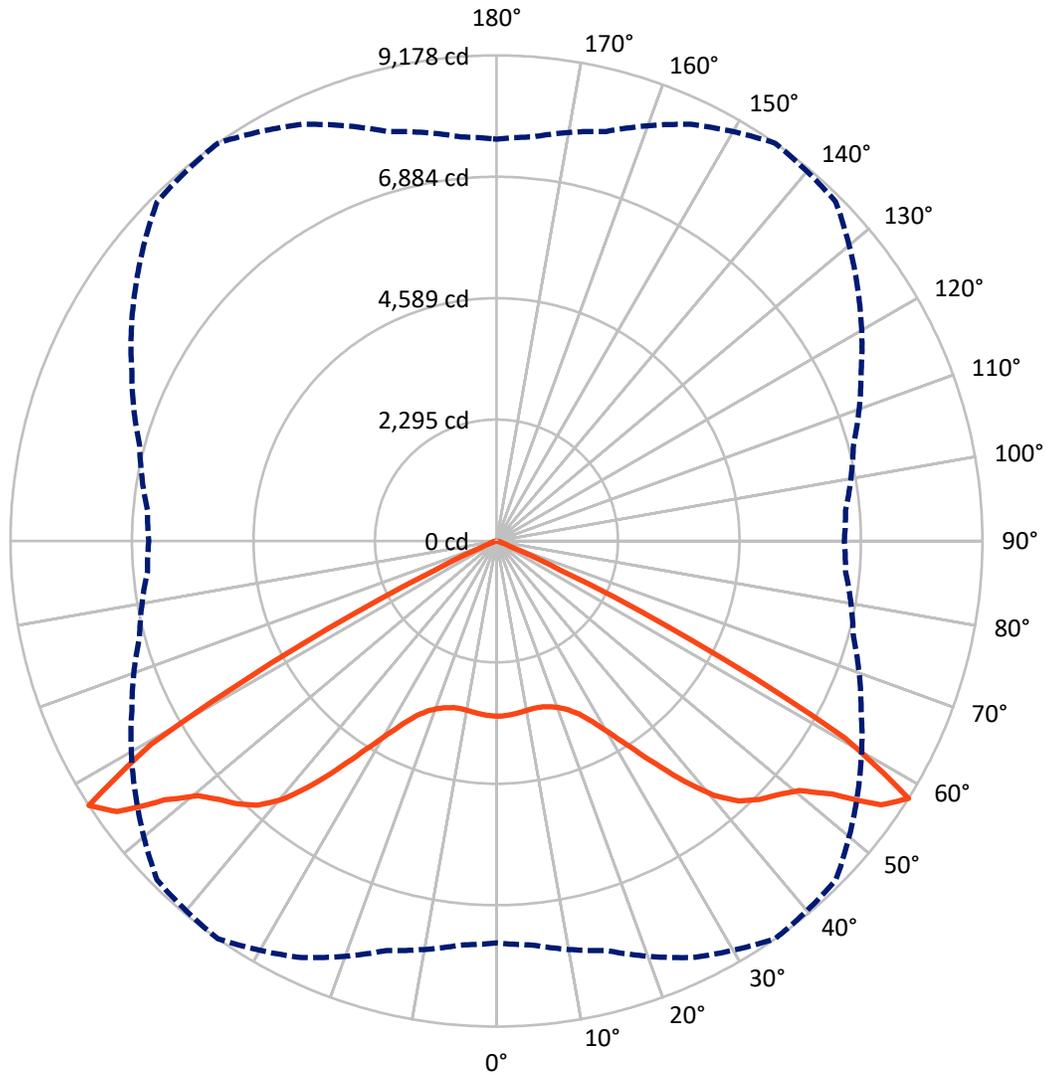
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

REPORT NUMBER: P642578
CATALOG NUMBER: GWS-SA6D-730-U-5MQ-W-GRSBK

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA6D-730-U-5MQ-W-GRSBK

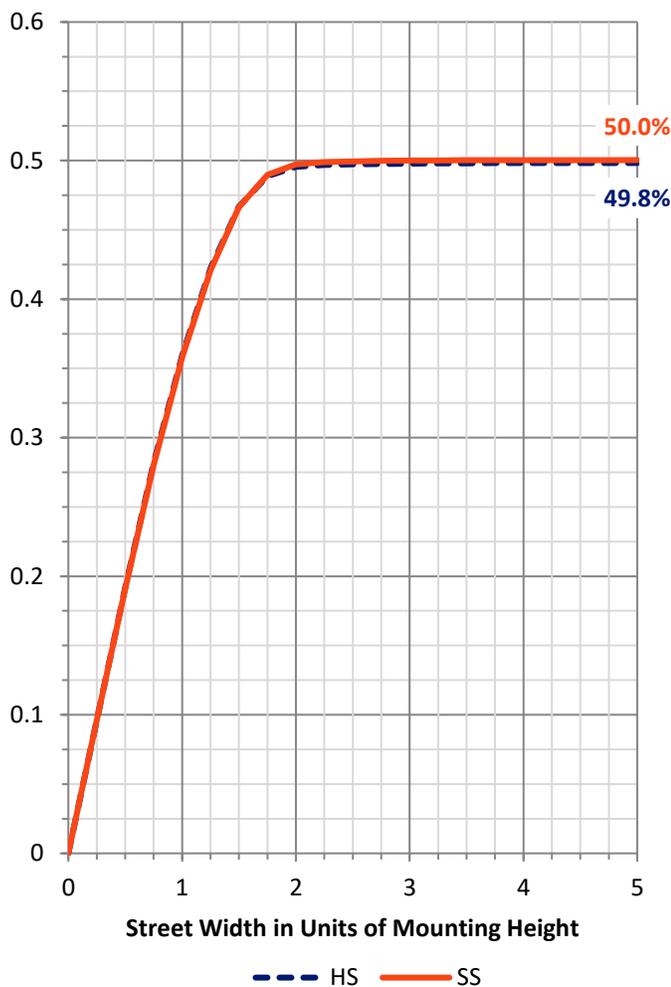
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9965.1	0.0	9965.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9965.1	0.0	9965.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	19930.3	0.0	19930.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.2	1.6
10°-20°	918.3	4.6
20°-30°	1659.9	8.3
30°-40°	3096.8	15.5
40°-50°	5194.9	26.1
50°-60°	6860.4	34.4
60°-70°	1822.0	9.1
70°-80°	64.7	0.3
80°-90°	1.1	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°	19930.3	100.0
0°-180°	19930.3	100.0

Coefficient of Utilization



REPORT NUMBER: P642578

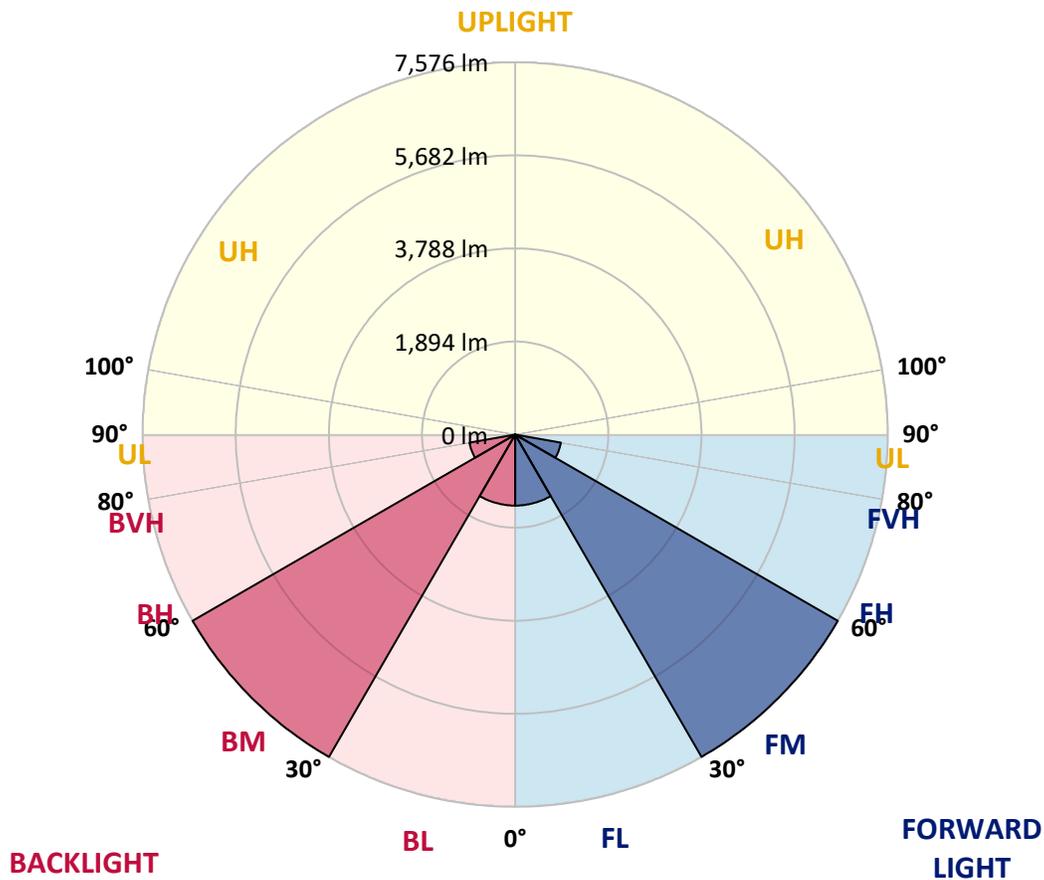
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1445.2	7.3			
FM (30°-60°)	7576.0	38.0			
FH (60°-80°)	943.3	4.7			G1/1800
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1445.2	7.3	B3/2500		
BM (30°-60°)	7576.0	38.0	B4/8500		
BH (60°-80°)	943.3	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3313.6	3313.6	3313.6	3313.6	3313.6	3313.6	3313.6	3313.6	3313.6	3313.6	3313.6
2.5°	3290.2	3287.9	3297.2	3304.2	3304.2	3320.6	3315.9	3311.3	3306.6	3299.6	3315.9
5°	3285.5	3283.2	3290.2	3294.9	3290.2	3304.2	3294.9	3285.5	3280.9	3271.5	3290.2
7.5°	3264.5	3266.8	3271.5	3276.2	3269.2	3280.9	3269.2	3255.1	3243.4	3234.1	3250.5
10°	3231.7	3234.1	3238.8	3248.1	3250.5	3266.8	3250.5	3224.7	3208.4	3194.3	3210.7
12.5°	3215.4	3217.7	3224.7	3236.4	3238.8	3259.8	3238.8	3201.3	3178.0	3161.6	3178.0
15°	3220.1	3224.7	3234.1	3248.1	3252.8	3273.8	3245.8	3196.7	3163.9	3142.9	3156.9
17.5°	3236.4	3241.1	3255.1	3278.5	3294.9	3315.9	3280.9	3217.7	3173.3	3142.9	3156.9
20°	3257.5	3264.5	3287.9	3325.3	3360.4	3397.8	3353.3	3266.8	3208.4	3170.9	3182.6
22.5°	3315.9	3322.9	3355.7	3404.8	3463.3	3510.0	3456.2	3346.3	3266.8	3217.7	3229.4
25°	3435.2	3442.2	3484.3	3547.4	3622.3	3683.1	3615.3	3477.3	3374.4	3318.3	3322.9
27.5°	3622.3	3629.3	3678.4	3767.3	3867.8	3954.3	3856.1	3694.8	3577.8	3512.4	3512.4
30°	3858.5	3867.8	3933.3	4052.5	4209.2	4323.8	4190.5	3994.1	3844.4	3755.6	3757.9
32.5°	4162.5	4153.1	4246.6	4410.3	4632.5	4784.5	4588.1	4349.5	4164.8	4040.9	4052.5
35°	4553.0	4550.6	4655.9	4878.0	5168.0	5350.4	5116.5	4807.9	4585.7	4459.4	4461.8
37.5°	5055.7	5053.4	5175.0	5415.9	5764.3	5916.3	5654.4	5341.0	5102.5	4980.9	4994.9
40°	5645.0	5631.0	5738.6	5970.1	6318.5	6416.7	6131.4	5878.9	5649.7	5572.5	5610.0
42.5°	6206.3	6175.9	6239.0	6449.5	6718.4	6732.4	6517.3	6344.2	6187.6	6126.8	6150.1
45°	6657.6	6634.2	6692.7	6814.3	6968.6	6898.4	6795.6	6741.8	6615.5	6550.0	6571.1
47.5°	6994.3	6994.3	7064.5	7139.3	7162.7	7034.1	7050.4	7050.4	6924.2	6821.3	6795.6
50°	7284.3	7305.3	7410.6	7487.7	7410.6	7246.9	7340.4	7321.7	7064.5	6858.7	6804.9
52.5°	7747.3	7768.4	7929.7	8034.9	7948.4	7787.1	7798.7	7564.9	7186.1	6942.9	6858.7
55°	8238.4	8289.8	8523.7	8804.3	8806.6	8640.6	8331.9	7918.0	7457.3	7193.1	7106.6
57.5°	7595.3	7665.5	8013.9	8689.7	9178.4	9063.9	8327.2	7600.0	6978.0	6617.8	6568.7
60°	5226.4	5348.0	5696.5	6620.2	7562.6	7607.0	6737.1	5921.0	5207.7	4763.4	4772.8
62.5°	2207.5	2331.4	2527.9	3287.9	4153.1	4206.9	3786.0	3201.3	2619.1	2298.7	2347.8
65°	519.1	554.2	612.7	909.7	1318.9	1379.7	1272.1	991.5	731.9	619.7	631.4
67.5°	226.8	231.5	219.8	233.8	290.0	297.0	287.6	252.6	238.5	243.2	243.2
70°	159.0	161.4	152.0	145.0	138.0	128.6	133.3	147.3	159.0	168.4	166.0
72.5°	98.2	100.6	102.9	102.9	95.9	86.5	91.2	100.6	102.9	105.2	102.9
75°	49.1	51.4	56.1	58.5	56.1	53.8	53.8	56.1	56.1	53.8	53.8
77.5°	9.4	11.7	16.4	18.7	18.7	18.7	18.7	18.7	21.0	18.7	18.7
80°	2.3	2.3	4.7	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7
82.5°	2.3	2.3	2.3	2.3	0.0	0.0	2.3	2.3	2.3	2.3	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3
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)