

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: P642584

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642584
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-730-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 17166.3 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

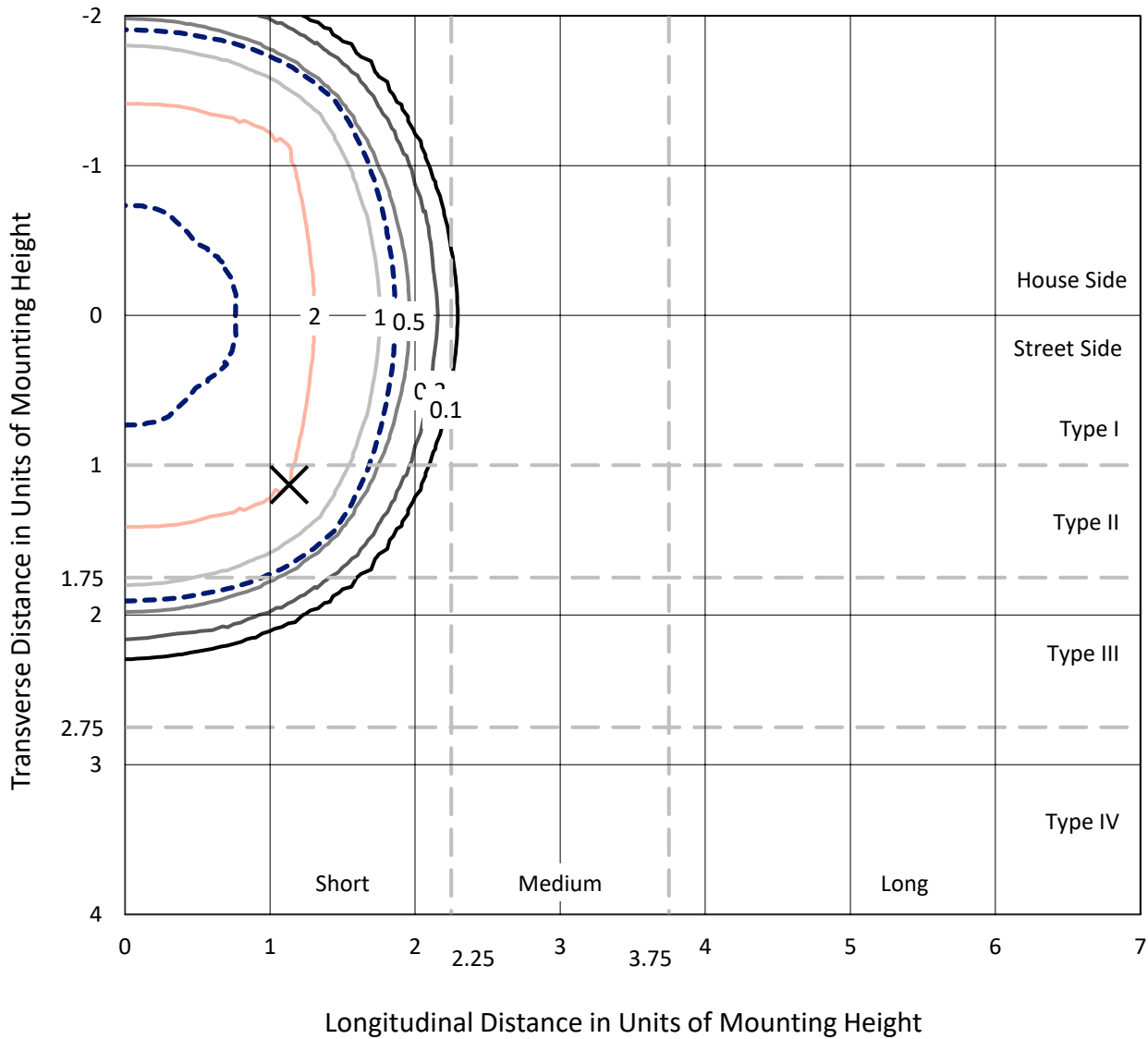
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642584
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Iso-Footcandle Lines of Horizontal Illumination

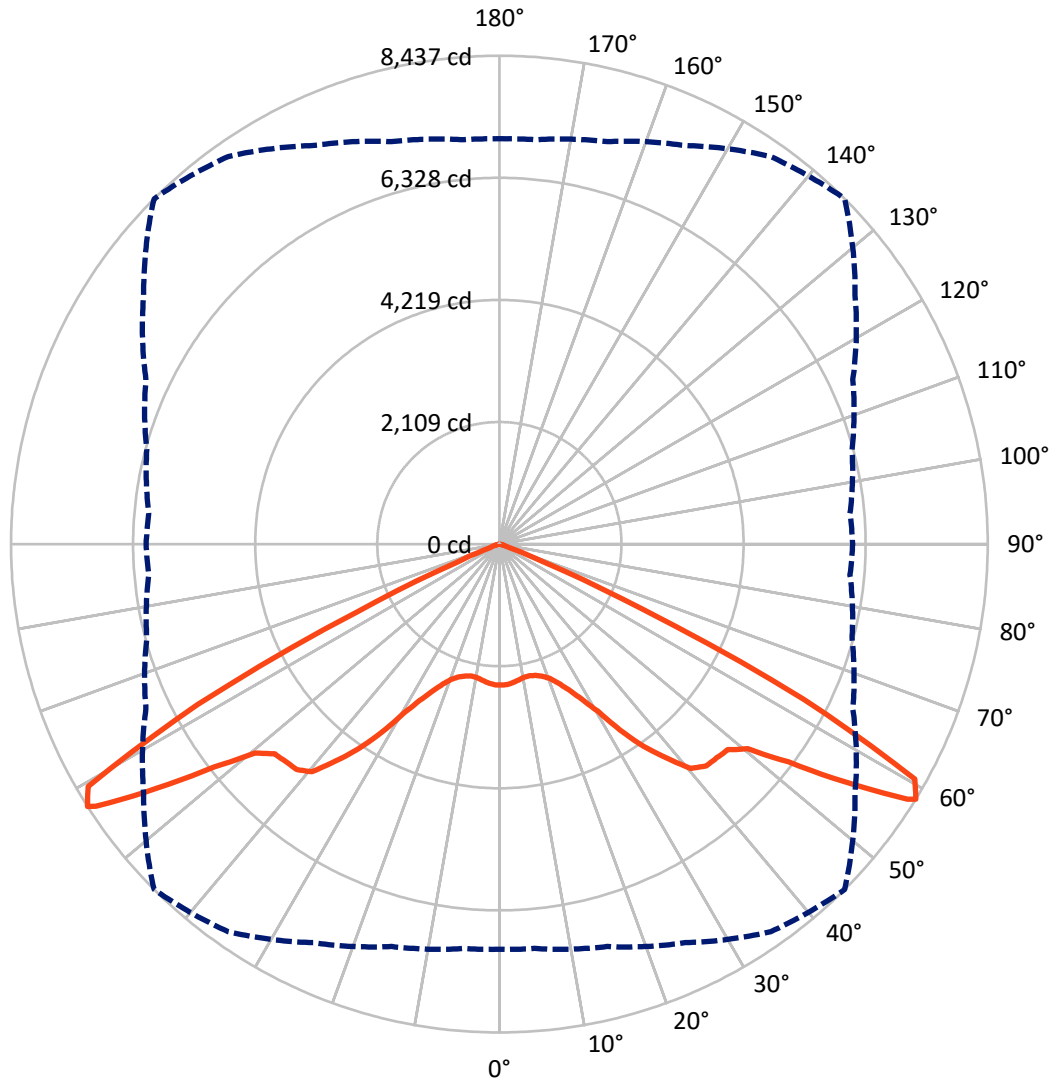
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

REPORT NUMBER: P642584
CATALOG NUMBER: GWS-SA6D-730-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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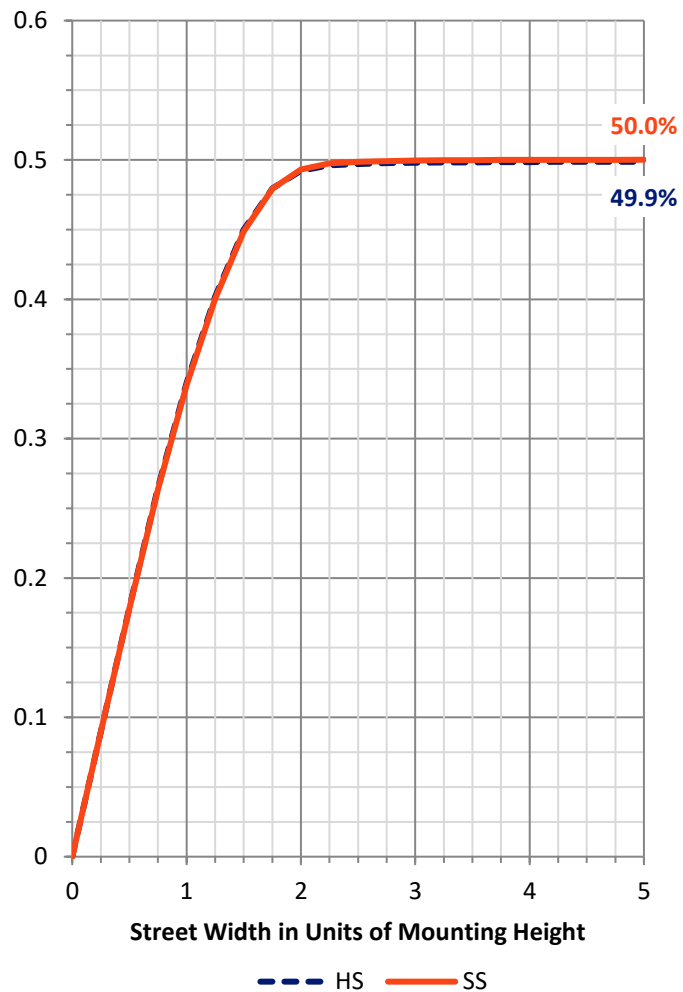
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8583.1	0.0	8583.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8583.1	0.0	8583.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	17166.3	0.0	17166.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.1	1.3
10°-20°	672.1	3.9
20°-30°	1271.1	7.4
30°-40°	2506.8	14.6
40°-50°	3967.0	23.1
50°-60°	5831.3	34.0
60°-70°	2602.9	15.2
70°-80°	87.2	0.5
80°-90°	0.7	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°	17166.3	100.0
0°-180°	17166.3	100.0

Coefficient of Utilization



REPORT NUMBER: P642584

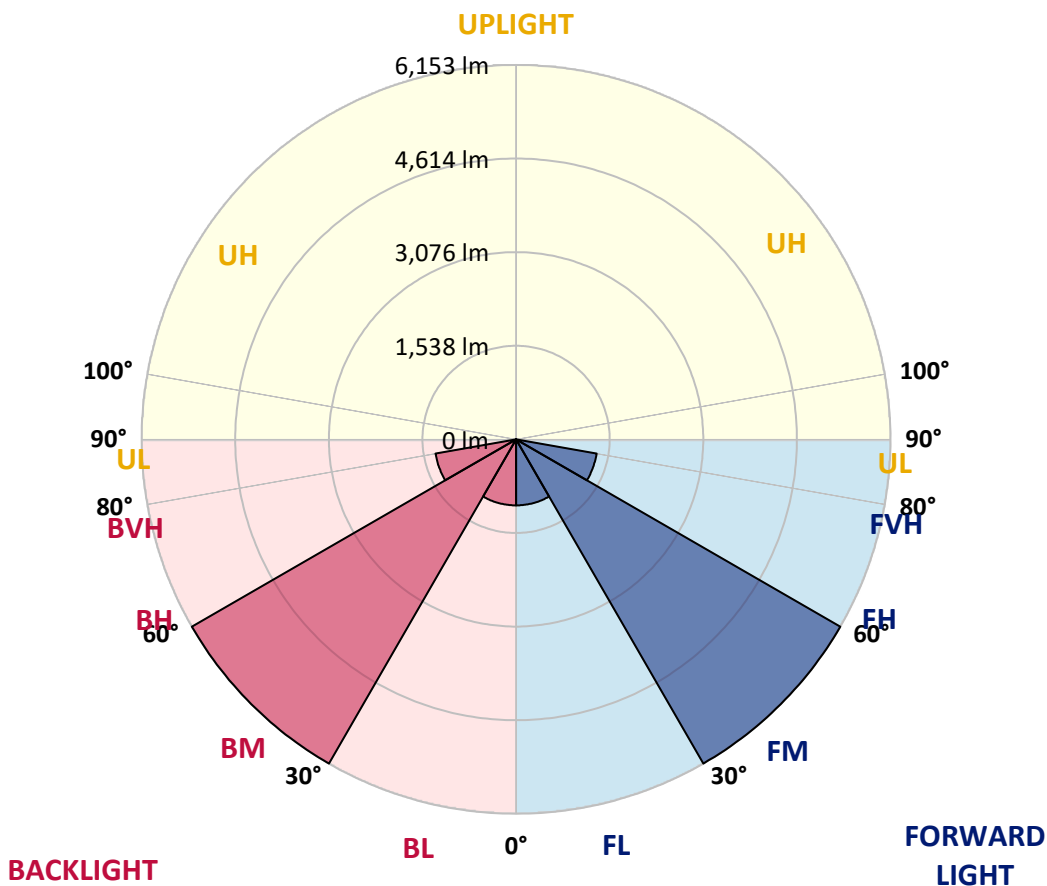
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1085.1	6.3			
FM (30°-60°)	6152.6	35.8			
FH (60°-80°)	1345.0	7.8			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1085.1	6.3	B3/2500		
BM (30°-60°)	6152.6	35.8	B4/8500		
BH (60°-80°)	1345.0	7.8	B3/2500		G1/1800
BVH (80°-90°)	0.4	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°	2434.4	2434.4	2434.4	2434.4	2434.4	2434.4	2434.4	2434.4	2434.4	2434.4	2434.4
2.5°	2411.0	2415.7	2420.4	2422.7	2425.1	2432.1	2434.4	2427.4	2427.4	2413.4	2429.7
5°	2399.3	2404.0	2408.7	2406.3	2406.3	2406.3	2404.0	2394.7	2392.3	2378.3	2394.7
7.5°	2378.3	2383.0	2383.0	2375.9	2371.3	2371.3	2368.9	2357.2	2354.9	2340.9	2357.2
10°	2361.9	2364.3	2361.9	2347.9	2338.5	2338.5	2336.2	2331.5	2333.9	2324.5	2338.5
12.5°	2371.3	2373.6	2364.3	2345.5	2333.9	2331.5	2324.5	2317.5	2324.5	2322.2	2336.2
15°	2401.7	2404.0	2387.6	2364.3	2354.9	2354.9	2336.2	2317.5	2326.8	2329.2	2345.5
17.5°	2439.1	2439.1	2418.0	2397.0	2399.3	2399.3	2368.9	2336.2	2338.5	2347.9	2364.3
20°	2483.5	2483.5	2462.5	2457.8	2474.2	2476.5	2439.1	2387.6	2375.9	2383.0	2401.7
22.5°	2563.0	2563.0	2546.7	2558.4	2595.8	2607.5	2551.3	2478.8	2450.8	2455.5	2474.2
25°	2687.0	2687.0	2682.3	2710.4	2764.1	2789.9	2715.0	2619.2	2572.4	2565.4	2586.4
27.5°	2895.1	2897.4	2890.4	2932.5	3000.3	3030.7	2927.8	2801.6	2745.4	2733.7	2754.8
30°	3164.0	3164.0	3166.4	3224.8	3313.7	3353.5	3217.8	3070.5	3005.0	2967.6	2995.7
32.5°	3463.4	3468.0	3491.4	3589.6	3746.3	3828.2	3629.4	3423.6	3318.4	3278.6	3309.0
35°	3956.8	3912.4	3884.3	3956.8	4183.6	4291.2	4036.3	3795.4	3715.9	3711.2	3788.4
37.5°	4445.5	4419.8	4361.4	4436.2	4639.6	4688.8	4408.1	4207.0	4150.9	4181.3	4258.5
40°	4833.7	4787.0	4709.8	4780.0	5046.5	5095.7	4749.6	4550.8	4529.7	4597.6	4702.8
42.5°	5140.1	5074.6	4971.7	4988.1	5203.2	5238.3	4932.0	4782.3	4796.3	4880.5	4999.8
45°	5278.1	5226.6	5135.4	5128.4	5264.0	5266.4	5025.5	4948.3	4985.7	5051.2	5144.8
47.5°	5336.5	5313.1	5261.7	5250.0	5327.2	5308.5	5158.8	5126.1	5161.1	5179.8	5233.6
50°	5481.5	5481.5	5488.5	5497.9	5577.4	5558.7	5453.5	5416.0	5371.6	5306.1	5322.5
52.5°	5888.4	5904.8	5972.6	6047.4	6192.4	6253.2	6082.5	5865.0	5652.2	5509.6	5509.6
55°	6622.7	6639.1	6718.6	6844.9	7111.5	7256.5	6858.9	6379.5	6087.2	5893.1	5918.8
57.5°	7027.3	7046.0	7209.7	7551.1	8067.9	8313.5	7459.9	6749.0	6339.8	6117.6	6136.3
58°	7001.6	7013.3	7198.0	7597.9	8173.2	8437.4	7502.0	6737.3	6307.0	6080.2	6103.6
60°	6220.5	6204.1	6498.8	7069.4	7880.8	8245.7	7083.4	6150.3	5649.9	5418.4	5430.1
62.5°	4066.7	4076.1	4331.0	4927.3	5558.7	5902.5	4948.3	4253.8	3851.6	3711.2	3676.2
65°	1697.8	1667.4	1824.1	2156.1	2535.0	2726.7	2343.2	1983.1	1735.2	1641.6	1667.4
67.5°	437.3	425.6	435.0	544.9	666.5	788.1	661.8	505.1	439.6	444.3	444.3
70°	247.9	233.9	189.4	175.4	170.7	170.7	170.7	170.7	196.4	231.5	238.5
72.5°	187.1	175.4	138.0	119.3	105.2	98.2	102.9	119.3	142.7	173.1	177.7
75°	93.5	93.5	84.2	79.5	70.2	65.5	67.8	74.8	86.5	98.2	95.9
77.5°	18.7	21.0	23.4	28.1	23.4	23.4	23.4	28.1	28.1	30.4	28.1
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	0.0	2.3	2.3	0.0	0.0	0.0	0.0	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	0.0	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)