

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: P642581

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 22953.9 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

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

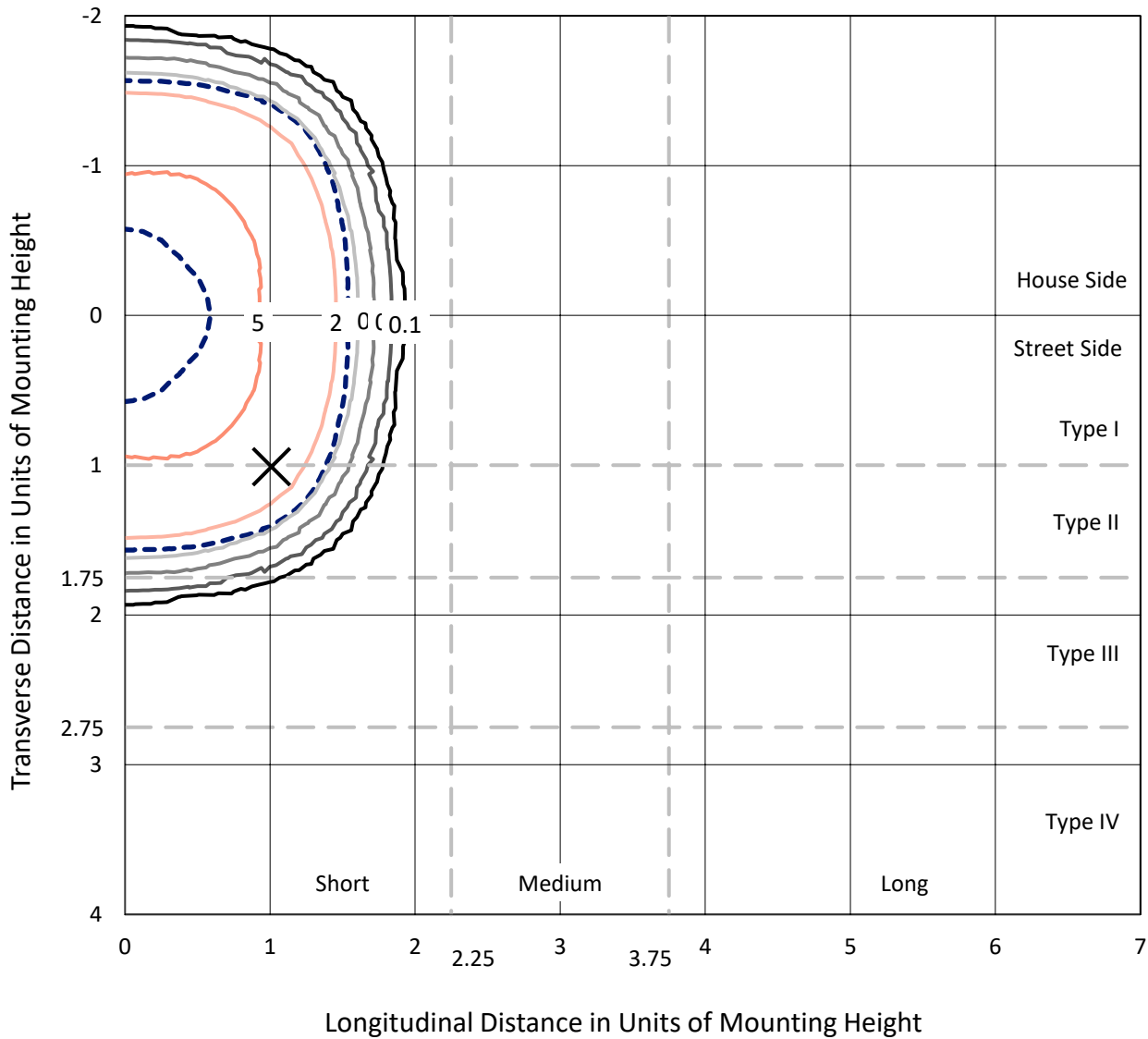


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Iso-Footcandle Lines of Horizontal Illumination

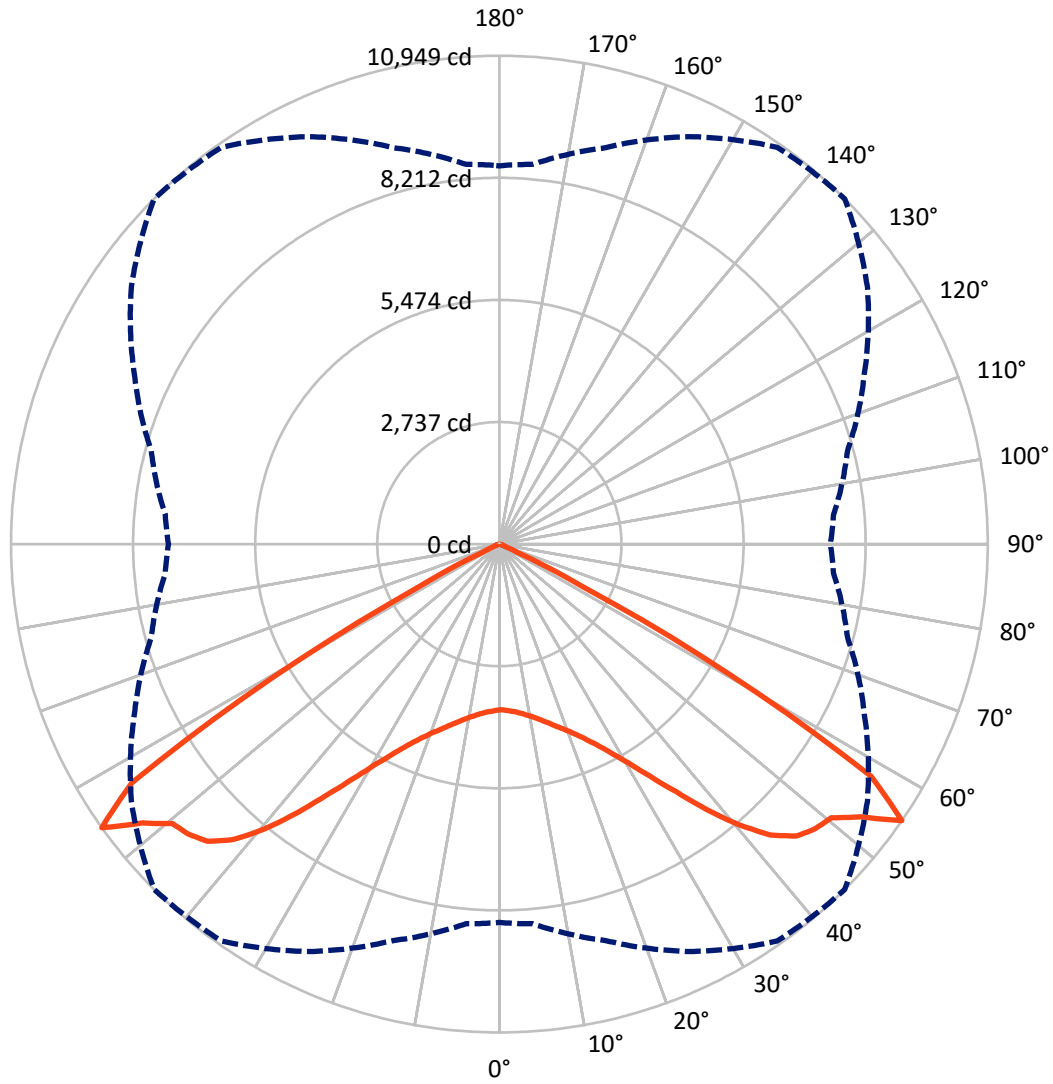
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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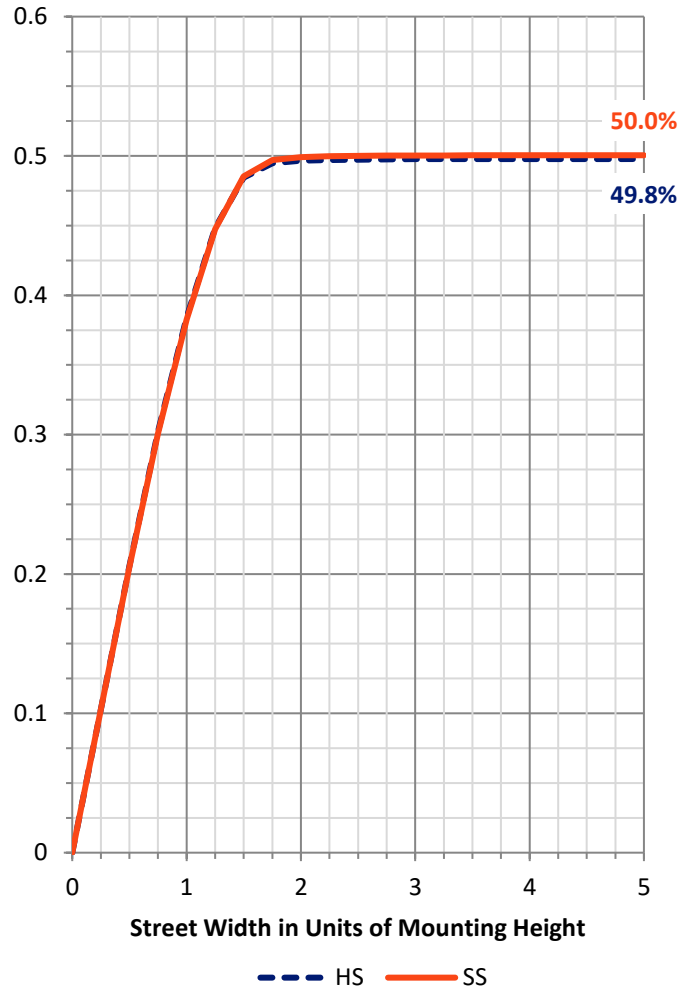
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11476.9	0.0	11476.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11476.9	0.0	11476.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	22953.9	0.0	22953.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.6	1.6
10°-20°	1178.7	5.1
20°-30°	2282.7	9.9
30°-40°	4089.5	17.8
40°-50°	6856.4	29.9
50°-60°	7339.4	32.0
60°-70°	806.5	3.5
70°-80°	35.5	0.2
80°-90°	1.6	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°	22953.9	100.0
0°-180°	22953.9	100.0

Coefficient of Utilization



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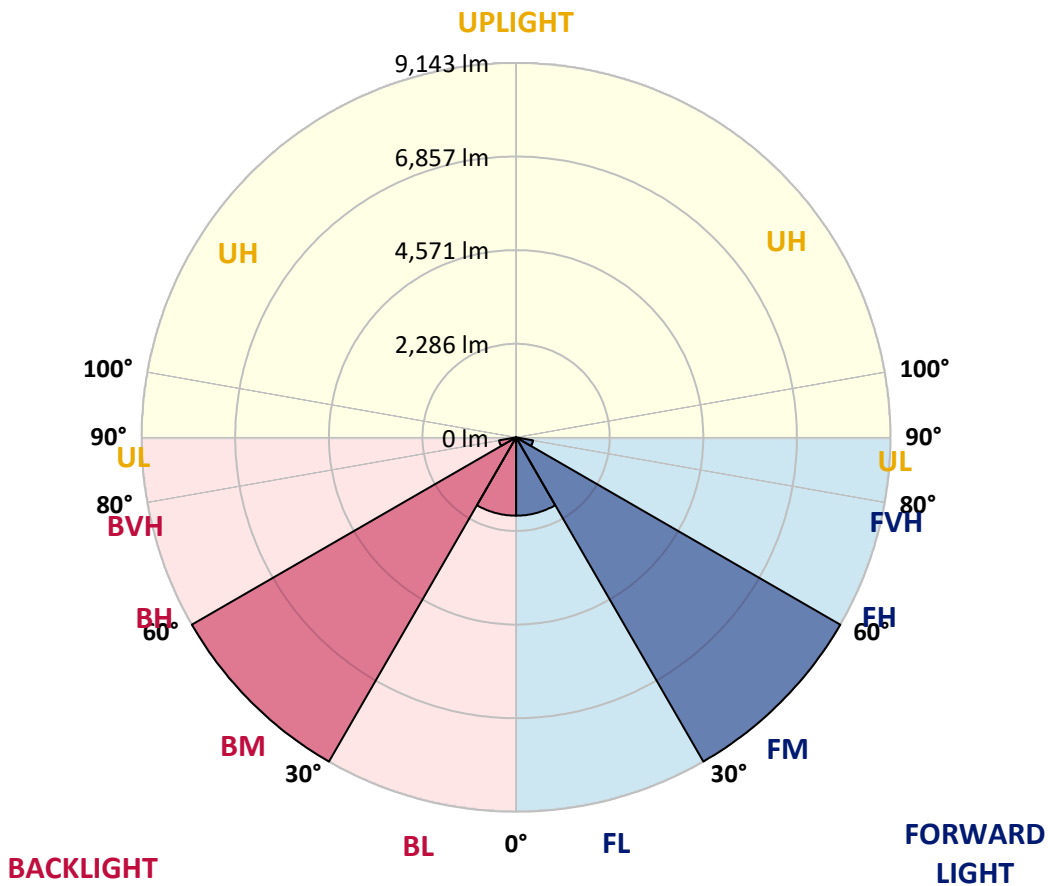
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1912.5	8.3			
FM (30°-60°)	9142.6	39.8			
FH (60°-80°)	421.0	1.8			G0/660
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	1912.5	8.3	B3/2500		
BM (30°-60°)	9142.6	39.8	B5		
BH (60°-80°)	421.0	1.8	B1/500		G0/660
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3711.2	3711.2	3711.2	3711.2	3711.2	3711.2	3711.2	3711.2	3711.2	3711.2	3711.2
2.5°	3704.2	3704.2	3713.5	3720.6	3720.6	3739.3	3732.2	3725.2	3725.2	3715.9	3734.6
5°	3758.0	3755.6	3765.0	3769.7	3760.3	3779.0	3767.3	3760.3	3755.6	3746.3	3765.0
7.5°	3816.4	3818.8	3821.1	3830.5	3825.8	3844.5	3835.1	3821.1	3816.4	3802.4	3821.1
10°	3886.6	3886.6	3891.3	3903.0	3905.3	3928.7	3919.3	3903.0	3888.9	3874.9	3893.6
12.5°	3975.5	3977.8	3984.8	4001.2	4010.5	4036.3	4022.2	3989.5	3968.4	3952.1	3973.1
15°	4104.1	4101.7	4111.1	4134.5	4146.2	4164.9	4143.8	4099.4	4073.7	4055.0	4069.0
17.5°	4244.4	4244.4	4249.1	4272.4	4288.8	4316.9	4291.2	4237.4	4214.0	4188.3	4202.3
20°	4398.7	4405.7	4410.4	4426.8	4454.8	4482.9	4461.9	4408.1	4382.4	4349.6	4366.0
22.5°	4602.2	4595.2	4597.5	4625.6	4665.3	4693.4	4677.0	4613.9	4569.4	4543.7	4553.1
25°	4829.0	4826.7	4833.7	4875.8	4920.2	4950.6	4927.2	4845.4	4800.9	4756.5	4775.2
27.5°	5107.3	5109.6	5114.3	5165.8	5235.9	5280.3	5221.9	5140.0	5079.2	5020.8	5034.8
30°	5437.0	5432.3	5446.4	5516.5	5619.4	5689.6	5621.8	5507.2	5420.6	5364.5	5371.5
32.5°	5787.8	5792.5	5829.9	5942.1	6077.8	6201.7	6063.7	5911.7	5799.5	5694.3	5708.3
35°	6166.6	6178.3	6262.5	6428.5	6650.7	6816.7	6625.0	6374.8	6215.7	6080.1	6084.8
37.5°	6613.3	6641.3	6758.3	7006.2	7324.2	7546.3	7265.7	6933.7	6727.9	6559.5	6547.8
40°	7200.2	7233.0	7392.0	7686.7	8072.5	8276.0	7950.9	7609.5	7354.6	7172.2	7144.1
42.5°	7873.7	7915.8	8088.9	8390.5	8776.4	8914.4	8596.3	8308.7	8079.5	7864.4	7855.0
45°	8633.8	8657.1	8797.4	9029.0	9307.2	9340.0	9101.5	8942.4	8710.9	8509.8	8493.4
47.5°	9347.0	9370.4	9466.3	9585.5	9651.0	9534.1	9492.0	9421.8	9122.5	8874.6	8823.2
50°	9889.5	9908.2	10027.5	10074.3	9891.9	9644.0	9725.8	9576.2	9251.1	8972.8	8893.3
52.5°	9852.1	9898.9	10205.2	10471.8	10357.2	10156.1	9936.3	9613.6	9108.5	8727.3	8629.1
55°	8481.7	8544.9	9202.0	10078.9	10862.3	10948.9	10069.6	9029.0	8079.5	7520.6	7420.1
57.5°	5451.0	5467.4	6269.5	7499.6	9265.1	9821.7	8350.8	6807.4	5626.4	5011.4	4969.3
60°	2004.1	1971.4	2577.0	3596.6	5336.5	5925.8	4915.5	3442.3	2455.4	2020.5	1985.4
62.5°	481.7	486.4	603.3	905.0	1674.4	2071.9	1637.0	914.4	582.3	488.7	484.1
65°	243.2	238.5	240.9	259.6	357.8	427.9	350.8	247.9	238.5	240.9	238.5
67.5°	156.7	154.3	159.0	161.4	159.0	149.7	147.3	152.0	152.0	154.3	149.7
70°	95.9	93.5	98.2	105.2	100.6	88.9	93.5	98.2	93.5	91.2	91.2
72.5°	51.4	51.4	56.1	60.8	56.1	51.4	51.4	53.8	51.4	51.4	51.4
75°	23.4	23.4	25.7	28.1	23.4	23.4	23.4	23.4	23.4	23.4	23.4
77.5°	7.0	7.0	9.4	9.4	7.0	7.0	7.0	7.0	9.4	9.4	9.4
80°	2.3	4.7	4.7	2.3	2.3	2.3	2.3	2.3	4.7	4.7	4.7
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	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)