

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: P642640

Luminaire Tested: GWS-SA6D-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-735-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29838.4 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

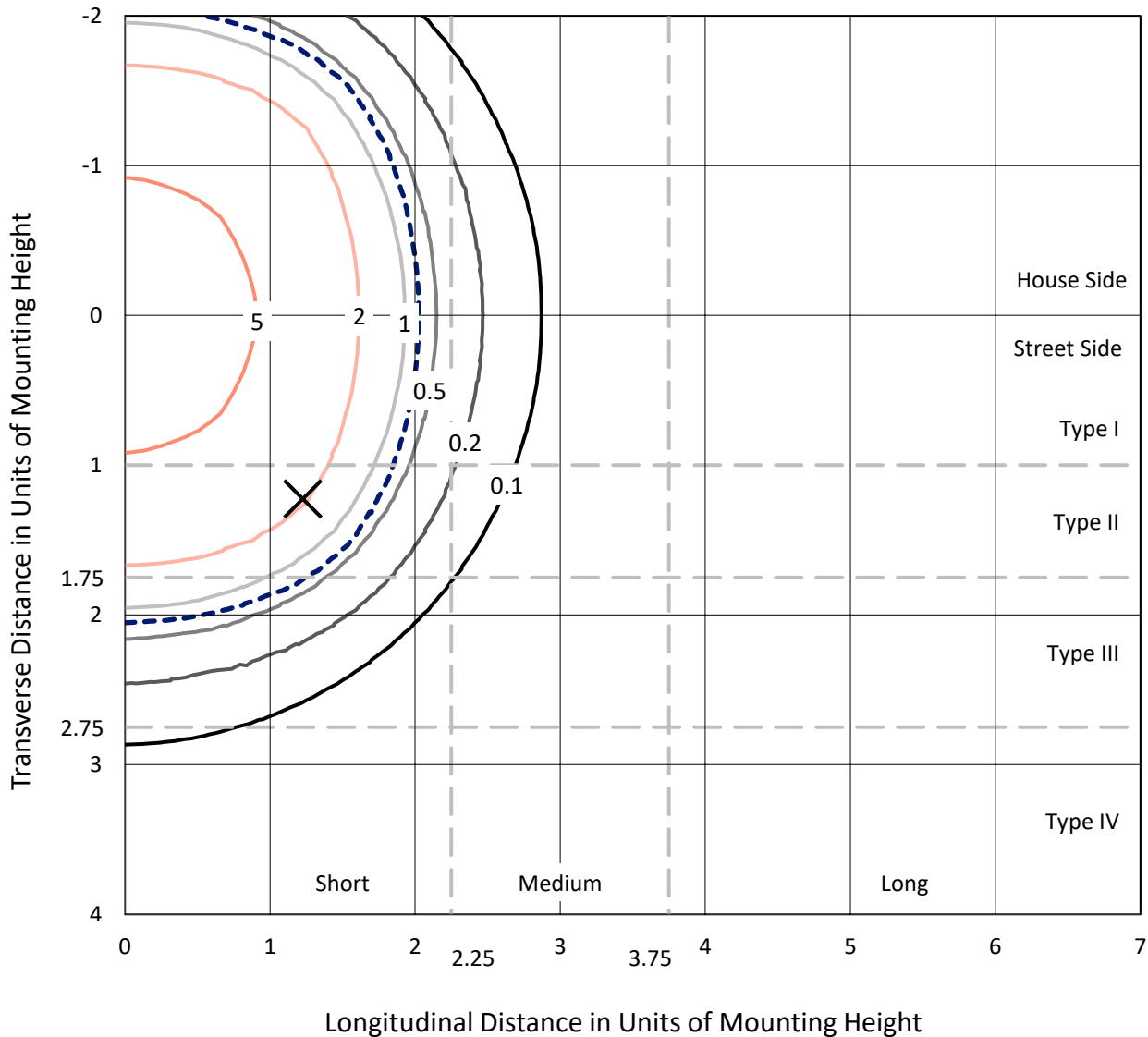
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

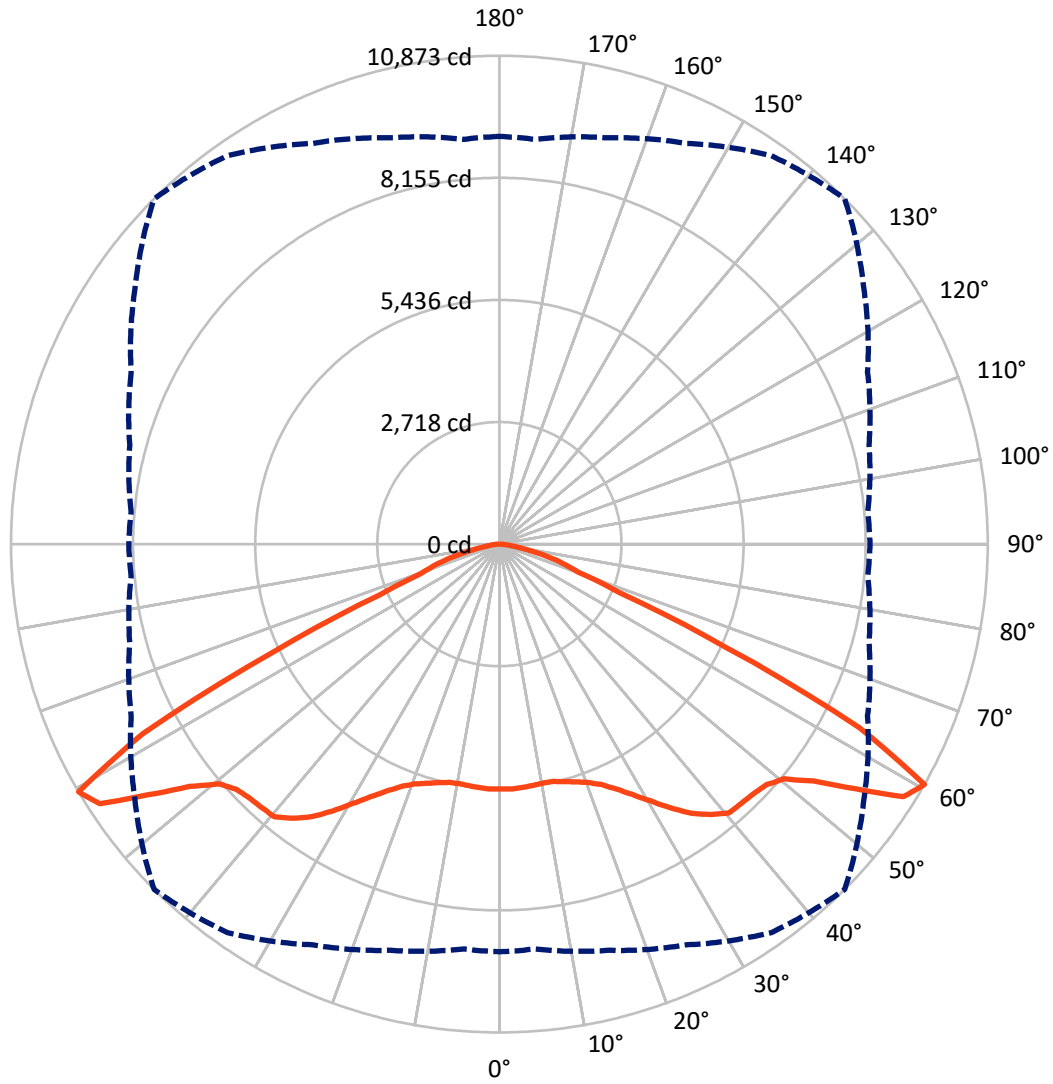
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14919.2	0.0	14919.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14919.2	0.0	14919.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	29838.4	0.0	29838.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.1	1.7
10°-20°	1555.5	5.2
20°-30°	2751.9	9.2
30°-40°	4430.5	14.8
40°-50°	6089.7	20.4
50°-60°	8115.1	27.2
60°-70°	5057.7	17.0
70°-80°	1163.0	3.9
80°-90°	157.8	0.5
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°	29838.4	100.0
0°-180°	29838.4	100.0

Coefficient of Utilization



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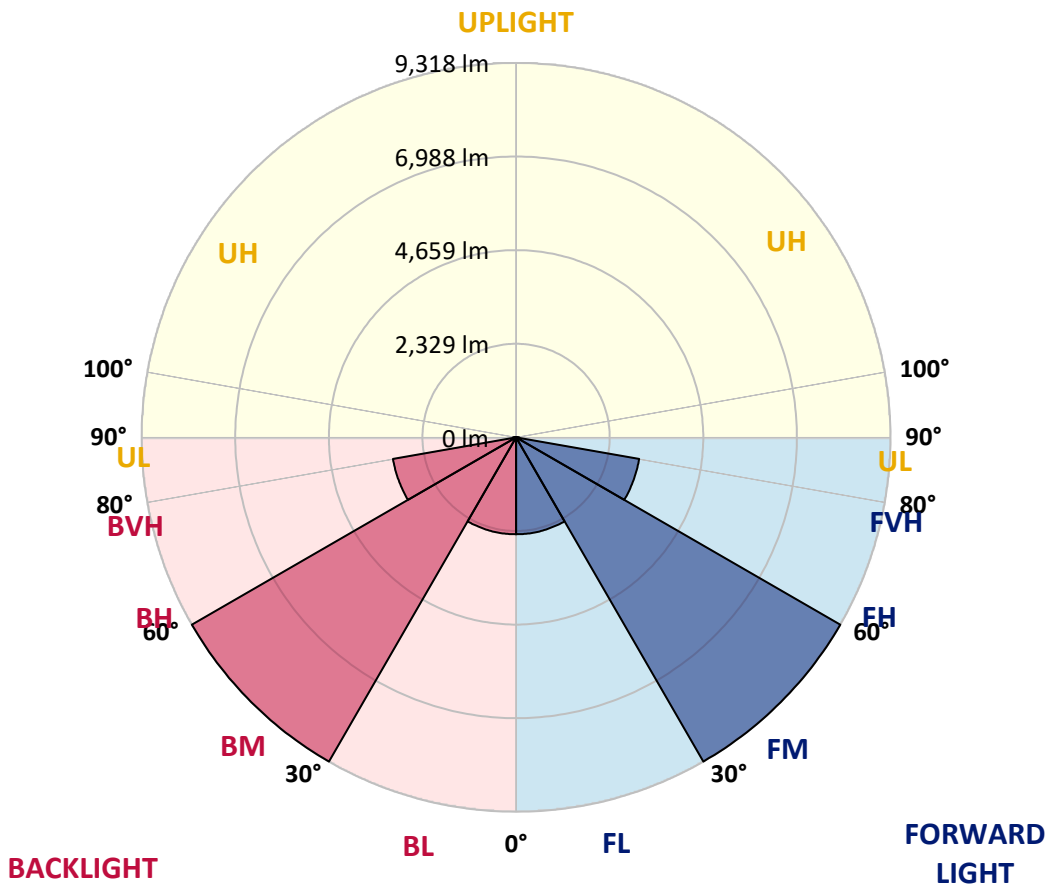
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2412.2	8.1			
FM (30°-60°)	9317.7	31.2			
FH (60°-80°)	3110.4	10.4			G2/5000
FVH (80°-90°)	78.9	0.3			G1/100
BL (0°-30°)	2412.2	8.1	B3/2500		
BM (30°-60°)	9317.7	31.2	B5		
BH (60°-80°)	3110.4	10.4	B4/5000		G2/5000
BVH (80°-90°)	78.9	0.3			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°	5452.9	5452.9	5452.9	5452.9	5452.9	5452.9	5452.9	5452.9	5452.9	5452.9	5452.9
2.5°	5414.9	5420.0	5430.1	5437.7	5447.9	5458.0	5463.1	5452.9	5447.9	5427.6	5450.4
5°	5420.0	5425.1	5432.7	5432.7	5435.2	5442.8	5442.8	5430.1	5417.5	5394.7	5420.0
7.5°	5412.4	5417.5	5420.0	5417.5	5420.0	5422.5	5417.5	5402.3	5389.6	5369.3	5389.6
10°	5399.7	5404.8	5409.9	5404.8	5399.7	5407.3	5407.3	5397.2	5389.6	5369.3	5392.1
12.5°	5427.6	5435.2	5437.7	5425.1	5420.0	5422.5	5422.5	5412.4	5412.4	5394.7	5420.0
15°	5493.4	5498.5	5490.9	5475.7	5478.3	5485.9	5468.1	5442.8	5437.7	5430.1	5450.4
17.5°	5544.1	5549.2	5541.6	5531.4	5549.2	5566.9	5534.0	5485.9	5470.7	5465.6	5488.4
20°	5599.8	5607.4	5597.3	5610.0	5645.4	5665.7	5625.1	5559.3	5528.9	5521.3	5549.2
22.5°	5691.0	5701.1	5701.1	5729.0	5782.2	5815.1	5764.4	5675.8	5630.2	5617.6	5645.4
25°	5835.4	5843.0	5850.6	5906.3	5992.4	6038.0	5956.9	5835.4	5772.0	5751.8	5767.0
27.5°	6035.4	6048.1	6060.8	6141.8	6248.2	6314.0	6197.5	6045.6	5967.1	5926.5	5956.9
30°	6273.5	6291.3	6321.6	6412.8	6562.3	6635.7	6486.3	6301.4	6212.7	6169.7	6210.2
32.5°	6597.7	6600.2	6623.0	6724.3	6921.9	7005.5	6818.1	6612.9	6521.7	6471.1	6493.9
35°	6982.7	6985.2	6949.8	7053.6	7266.3	7360.1	7139.7	6932.0	6856.0	6840.9	6899.1
37.5°	7377.8	7355.0	7319.5	7365.1	7580.4	7641.2	7408.2	7230.9	7198.0	7225.8	7311.9
40°	7658.9	7620.9	7550.0	7582.9	7800.7	7871.7	7623.5	7456.3	7446.2	7514.6	7618.4
42.5°	7841.3	7800.7	7717.2	7717.2	7866.6	7897.0	7704.5	7615.9	7638.7	7717.2	7815.9
45°	7929.9	7907.1	7859.0	7833.7	7917.3	7929.9	7783.0	7747.6	7790.6	7828.6	7904.6
47.5°	7998.3	7998.3	7983.1	7957.8	7995.8	8003.4	7894.5	7884.3	7940.0	7940.0	7990.7
50°	8119.9	8132.5	8152.8	8147.7	8188.3	8213.6	8132.5	8117.3	8140.1	8066.7	8092.0
52.5°	8439.0	8471.9	8530.2	8575.8	8679.6	8758.1	8613.7	8492.2	8373.1	8211.0	8216.1
55°	9011.4	9026.6	9140.6	9274.8	9449.5	9609.1	9312.8	8935.4	8677.1	8487.1	8489.6
57.5°	9495.1	9517.9	9685.1	9966.2	10358.8	10607.0	9951.0	9320.4	8955.7	8722.7	8730.3
60°	9077.2	9046.8	9363.4	9844.6	10556.3	10872.9	9905.4	9044.3	8520.0	8231.3	8251.6
62.5°	7023.2	6965.0	7317.0	7821.0	8674.5	8991.1	8099.6	7273.9	6777.5	6552.1	6519.2
65°	4275.2	4222.0	4475.3	4784.3	5361.7	5561.8	5154.1	4715.9	4282.8	4146.0	4108.1
67.5°	2327.6	2320.0	2388.3	2540.3	2793.6	2887.3	2808.8	2601.1	2489.7	2393.4	2393.4
70°	1846.3	1831.1	1818.5	1821.0	1843.8	1856.5	1859.0	1848.9	1861.5	1864.1	1853.9
72.5°	1529.8	1524.7	1499.4	1501.9	1491.8	1486.7	1504.4	1514.6	1534.8	1537.4	1537.4
75°	1109.3	1096.7	1109.3	1111.9	1101.7	1101.7	1114.4	1111.9	1122.0	1127.1	1099.2
77.5°	630.6	630.6	648.4	668.6	683.8	683.8	696.5	696.5	709.2	706.6	701.6
80°	347.0	347.0	357.1	369.8	385.0	400.2	412.8	415.4	423.0	420.4	412.8
82.5°	197.6	200.1	205.1	212.7	227.9	240.6	253.3	255.8	263.4	263.4	255.8
85°	93.7	91.2	93.7	98.8	106.4	116.5	129.2	136.8	141.8	141.8	136.8
87.5°	17.7	20.3	17.7	20.3	22.8	30.4	35.5	40.5	48.1	50.7	45.6
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)