

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: P637849

Luminaire Tested: GWS-SA4D-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637849
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21633 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 162.1
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

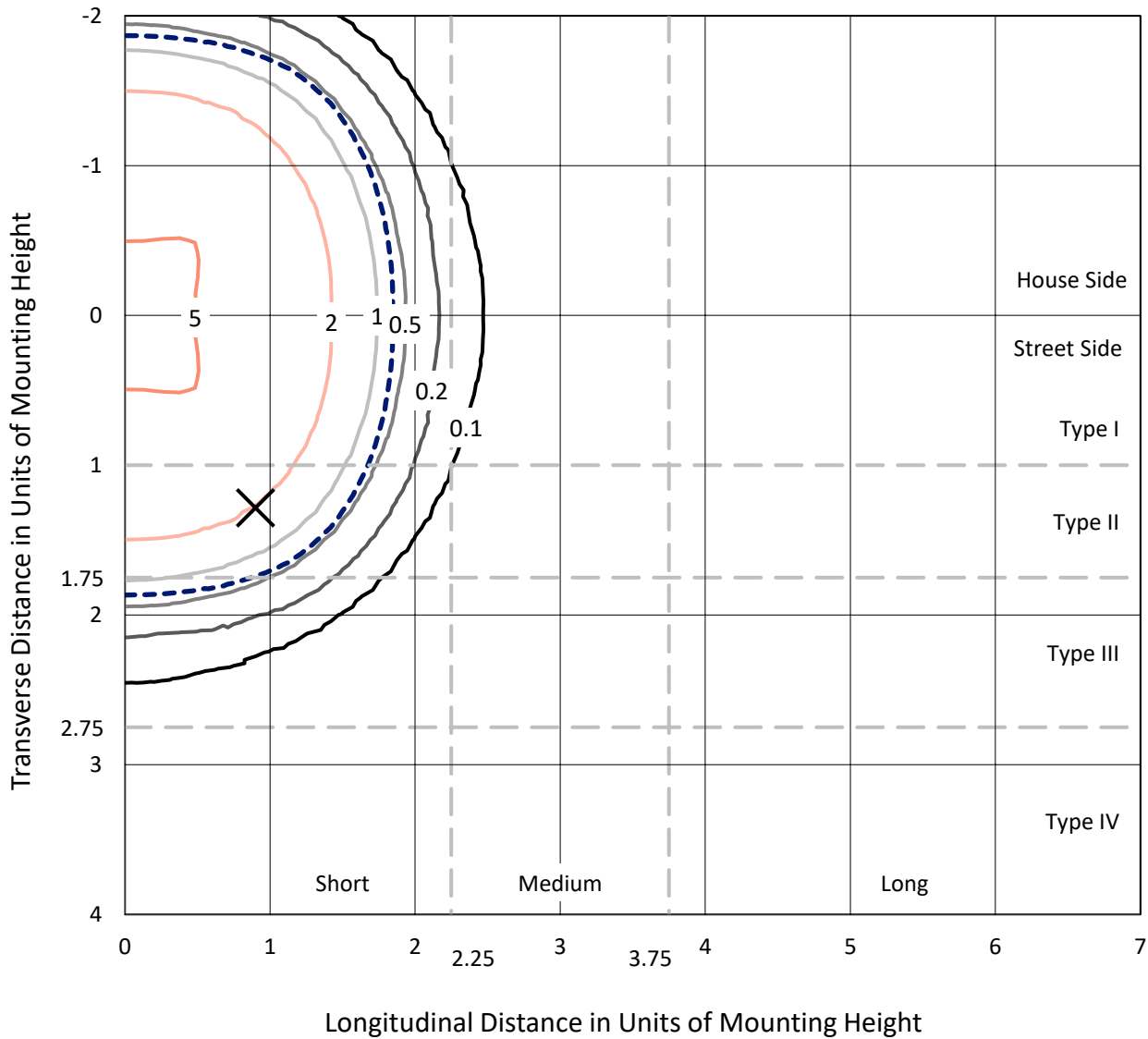


REPORT NUMBER: P637849

CATALOG NUMBER: GWS-SA4D-760-U-5MQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

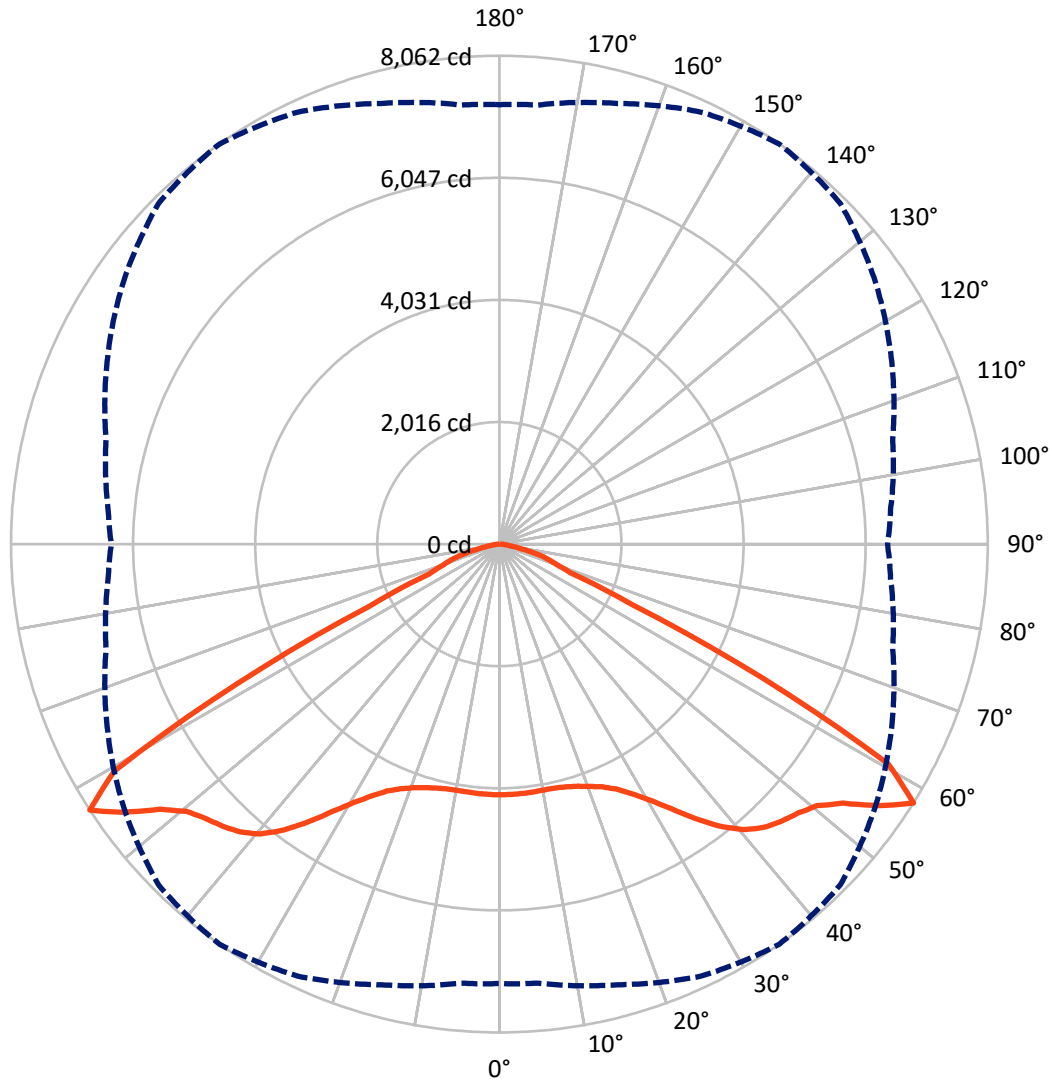
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

REPORT NUMBER: P637849
CATALOG NUMBER: GWS-SA4D-760-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P637849

CATALOG NUMBER: GWS-SA4D-760-U-5MQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10816.5	0.0	10816.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10816.5	0.0	10816.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21633.0	0.0	21633.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.8	1.8
10°-20°	1174.8	5.4
20°-30°	2049.9	9.5
30°-40°	3361.3	15.5
40°-50°	4950.5	22.9
50°-60°	6317.6	29.2
60°-70°	2662.5	12.3
70°-80°	636.0	2.9
80°-90°	86.6	0.4
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°	21633.0	100.0
0°-180°	21633.0	100.0

Coefficient of Utilization



REPORT NUMBER: P637849

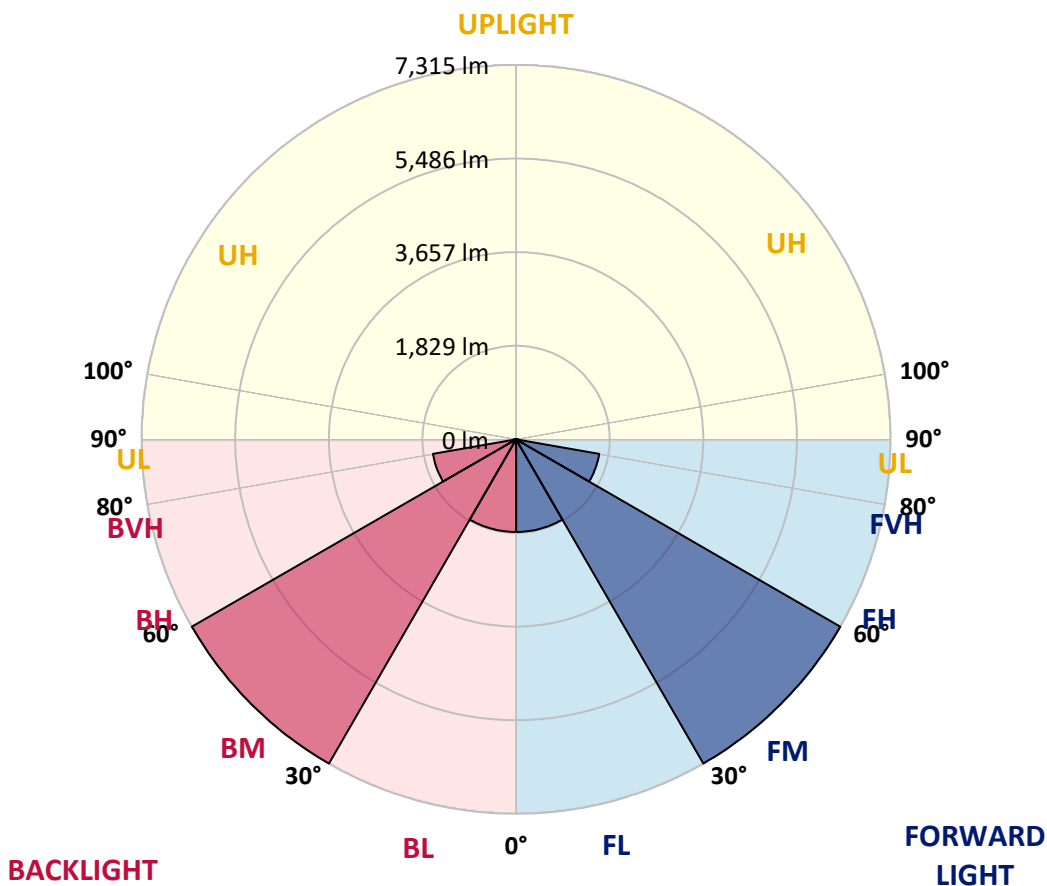
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1809.2	8.4			
FM (30°-60°)	7314.7	33.8			
FH (60°-80°)	1649.3	7.6			G1/1800
FVH (80°-90°)	43.3	0.2			G1/100
BL (0°-30°)	1809.2	8.4	B3/2500		
BM (30°-60°)	7314.7	33.8	B4/8500		
BH (60°-80°)	1649.3	7.6	B3/2500		G1/1800
BVH (80°-90°)	43.3	0.2			G1/100
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





REPORT NUMBER: P637849

CATALOG NUMBER: GWS-SA4D-760-U-5MQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4139.2	4139.2	4139.2	4139.2	4139.2	4139.2	4139.2	4139.2	4139.2	4139.2	4139.2
2.5°	4114.4	4114.4	4123.3	4132.1	4135.7	4151.6	4149.9	4144.5	4141.0	4130.4	4144.5
5°	4123.3	4123.3	4130.4	4135.7	4133.9	4146.3	4141.0	4132.1	4126.8	4116.2	4132.1
7.5°	4121.5	4121.5	4126.8	4132.1	4128.6	4139.2	4130.4	4118.0	4109.1	4098.5	4112.7
10°	4098.5	4102.0	4107.3	4119.7	4125.1	4141.0	4128.6	4109.1	4094.9	4082.5	4096.7
12.5°	4094.9	4098.5	4105.6	4121.5	4130.4	4153.4	4137.5	4105.6	4084.3	4068.4	4082.5
15°	4110.9	4114.4	4125.1	4144.5	4158.7	4183.5	4160.5	4116.2	4086.1	4064.8	4077.2
17.5°	4130.4	4135.7	4151.6	4180.0	4203.0	4229.6	4201.2	4148.1	4105.6	4077.2	4087.9
20°	4151.6	4158.7	4183.5	4226.0	4268.5	4302.2	4266.8	4195.9	4144.5	4107.3	4118.0
22.5°	4188.8	4197.7	4229.6	4289.8	4353.5	4403.1	4358.9	4263.2	4195.9	4148.1	4156.9
25°	4265.0	4275.6	4316.3	4389.0	4479.3	4539.5	4477.5	4369.5	4275.6	4217.2	4226.0
27.5°	4399.6	4404.9	4458.0	4553.7	4665.3	4734.3	4660.0	4532.4	4427.9	4360.6	4367.7
30°	4576.7	4592.6	4645.8	4771.5	4904.4	4996.5	4899.1	4748.5	4628.1	4546.6	4553.7
32.5°	4792.8	4803.4	4883.1	5014.2	5205.5	5311.7	5178.9	5000.0	4854.8	4755.6	4762.7
35°	5076.2	5085.0	5161.2	5327.7	5559.7	5658.9	5506.6	5301.1	5132.9	5039.0	5065.5
37.5°	5414.5	5430.4	5485.3	5650.0	5908.6	6006.0	5830.7	5639.4	5464.1	5377.3	5396.8
40°	5777.6	5775.8	5820.1	5965.3	6200.9	6261.1	6103.5	5951.1	5800.6	5743.9	5775.8
42.5°	6089.3	6080.4	6112.3	6232.8	6395.7	6401.0	6296.5	6211.5	6105.2	6066.3	6096.4
45°	6307.1	6310.7	6358.5	6441.7	6525.0	6480.7	6448.8	6434.7	6351.4	6298.3	6303.6
47.5°	6478.9	6493.1	6569.3	6626.0	6636.6	6562.2	6606.5	6627.7	6558.6	6477.2	6454.1
50°	6631.3	6654.3	6753.5	6813.7	6790.7	6696.8	6783.6	6815.5	6663.1	6507.3	6461.2
52.5°	6907.6	6934.1	7054.6	7132.5	7105.9	7012.1	7093.5	6980.2	6723.4	6532.1	6473.6
55°	7348.6	7361.0	7508.0	7635.5	7623.1	7508.0	7442.5	7191.0	6879.2	6680.9	6626.0
57.5°	7254.7	7276.0	7531.0	7871.1	8062.4	7957.9	7573.5	7144.9	6721.6	6482.5	6408.1
60°	5708.5	5759.8	6076.9	6675.5	7376.9	7375.2	6661.4	5995.4	5485.3	5168.3	5136.4
62.5°	3333.3	3368.8	3657.5	4263.2	4892.0	4930.9	4429.7	3972.7	3526.4	3312.1	3209.4
65°	1578.1	1576.3	1691.5	1964.2	2389.3	2423.0	2272.4	2022.7	1758.8	1686.2	1666.7
67.5°	1165.4	1165.4	1156.6	1176.1	1257.5	1275.2	1257.5	1216.8	1192.0	1207.9	1197.3
70°	1011.3	1013.1	1002.5	997.2	997.2	991.9	998.9	1014.9	1025.5	1046.8	1036.1
72.5°	820.1	821.8	821.8	823.6	825.4	818.3	828.9	837.8	839.5	846.6	839.5
75°	582.7	586.3	596.9	605.7	612.8	612.8	616.4	618.1	611.1	619.9	605.7
77.5°	320.6	324.1	343.6	359.5	375.5	377.3	382.6	386.1	382.6	389.7	379.0
80°	177.1	180.7	189.5	196.6	209.0	219.6	226.7	230.3	230.3	235.6	230.3
82.5°	101.0	104.5	109.8	113.4	124.0	132.8	139.9	145.2	145.2	147.0	143.5
85°	47.8	47.8	51.4	54.9	60.2	63.8	72.6	77.9	77.9	81.5	77.9
87.5°	7.1	8.9	10.6	10.6	14.2	17.7	21.3	23.0	26.6	28.3	28.3
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)