

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: P642142

Luminaire Tested: GWS-SA6C-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 25388.6 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

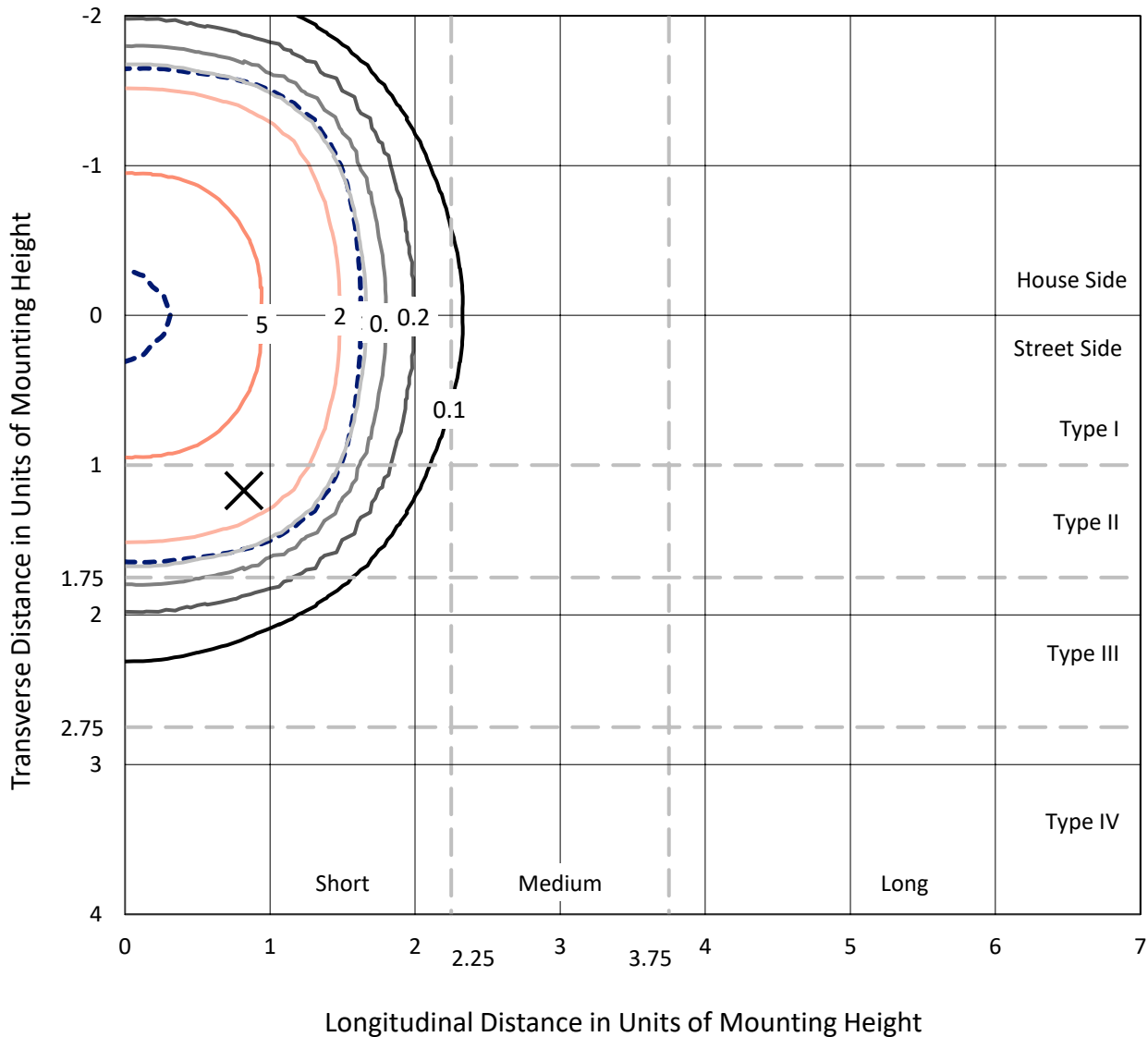
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

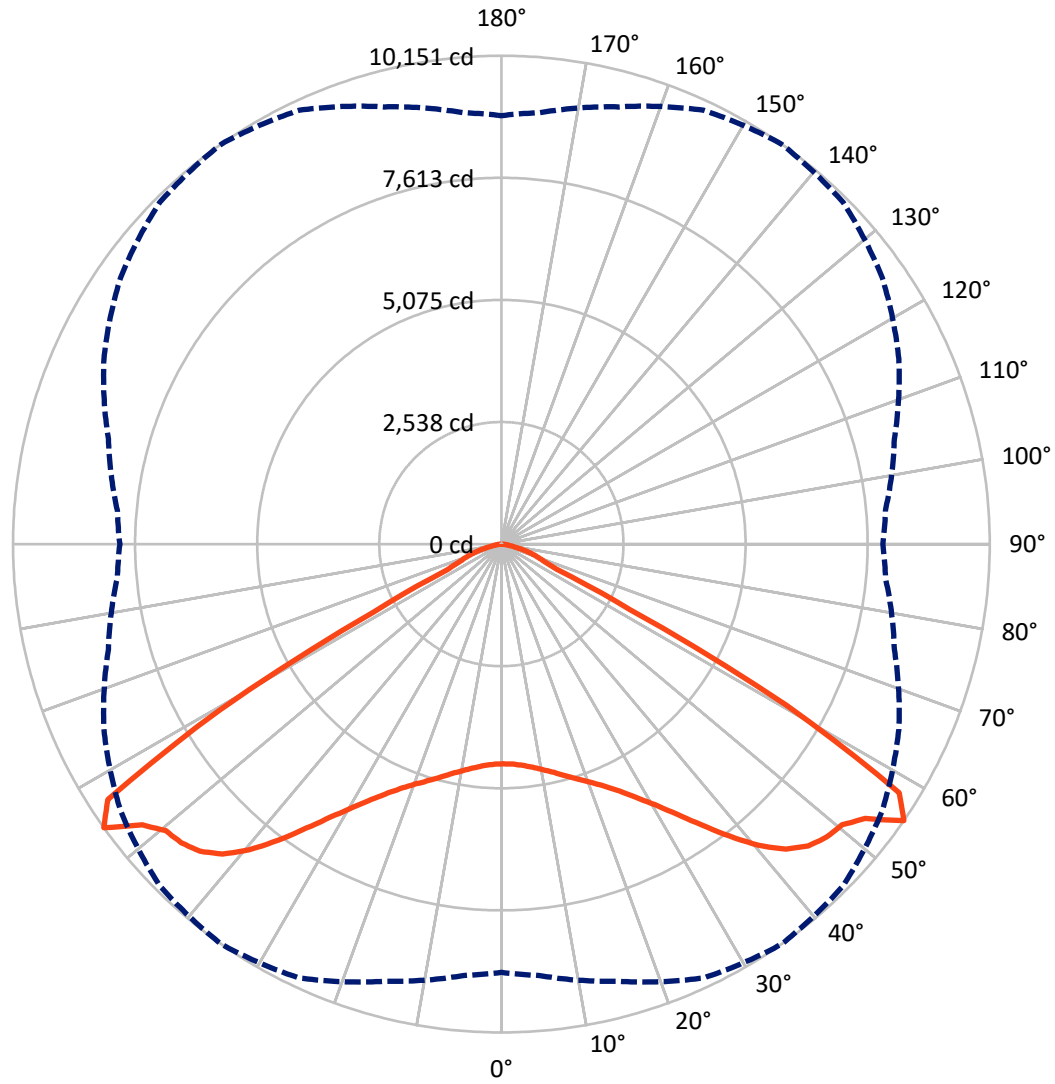
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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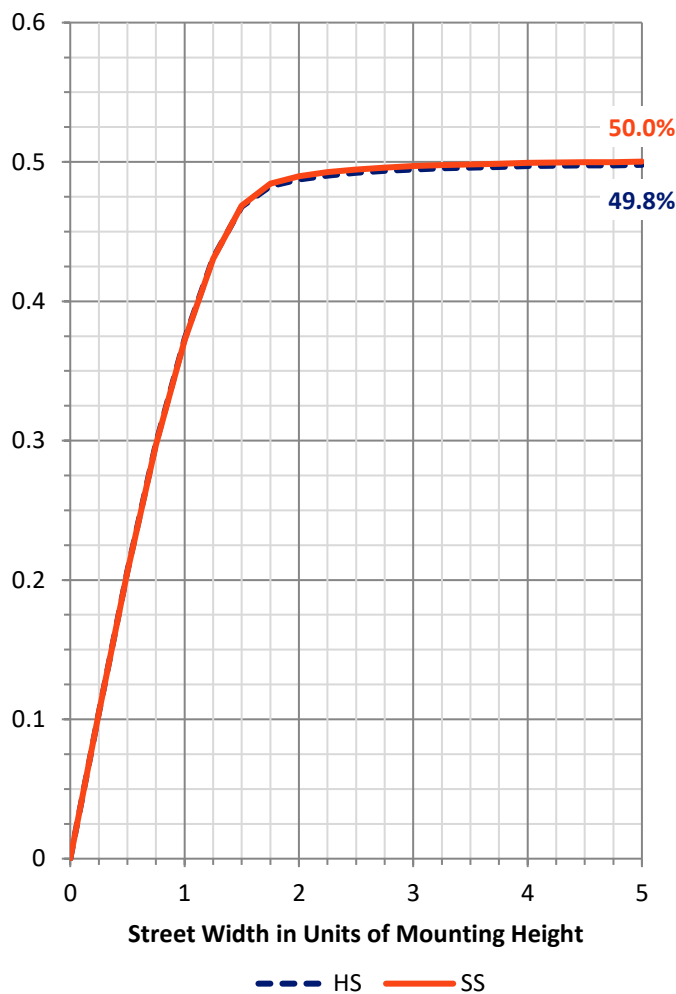
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12694.3	0.0	12694.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12694.3	0.0	12694.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	25388.6	0.0	25388.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.5	1.8
10°-20°	1418.4	5.6
20°-30°	2625.1	10.3
30°-40°	4391.3	17.3
40°-50°	6691.6	26.4
50°-60°	7496.0	29.5
60°-70°	1773.6	7.0
70°-80°	478.2	1.9
80°-90°	68.8	0.3
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°	25388.6	100.0
0°-180°	25388.6	100.0

Coefficient of Utilization



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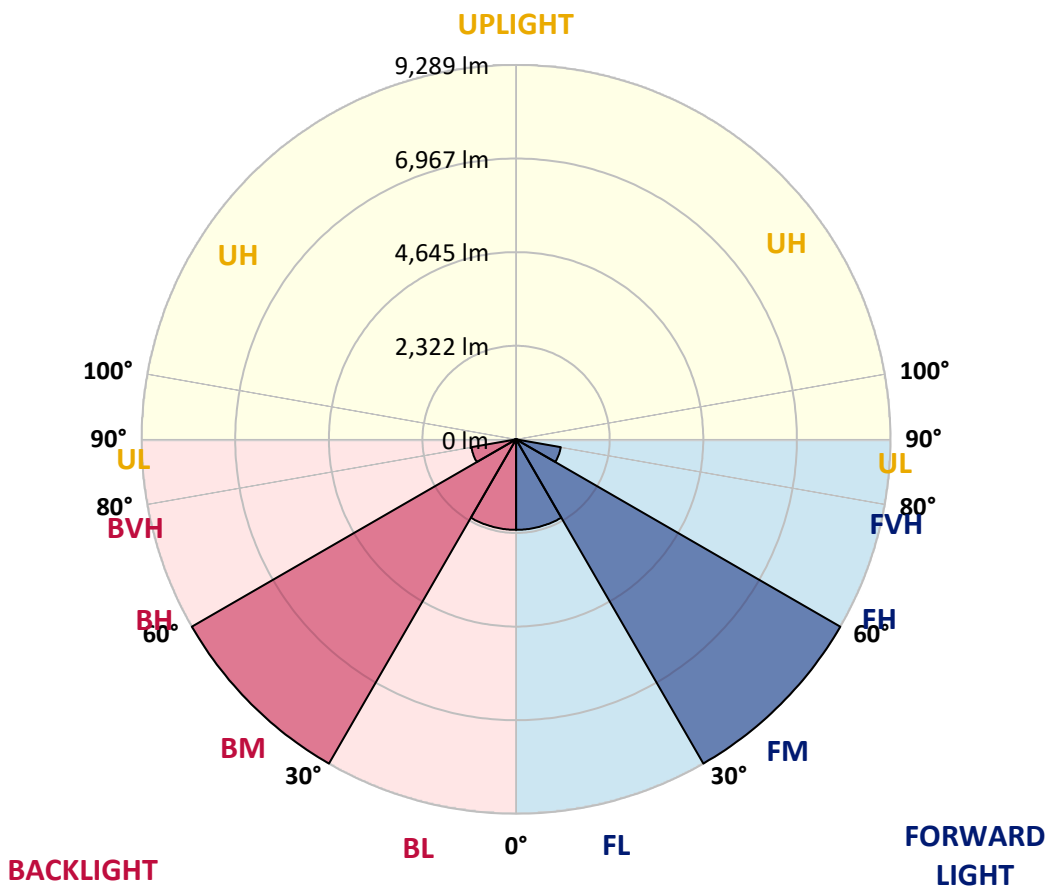
CATALOG NUMBER: GWS-SA6C-735-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2244.5	8.8			
FM (30°-60°)	9289.5	36.6			
FH (60°-80°)	1125.9	4.4			G1/1800
FVH (80°-90°)	34.4	0.1			G1/100
BL (0°-30°)	2244.5	8.8	B3/2500		
BM (30°-60°)	9289.5	36.6	B5		
BH (60°-80°)	1125.9	4.4	B3/2500		G1/1800
BVH (80°-90°)	34.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4567.5	4567.5	4567.5	4567.5	4567.5	4567.5	4567.5	4567.5	4567.5	4567.5	4567.5
2.5°	4557.4	4557.4	4565.5	4575.5	4577.5	4597.6	4593.6	4585.5	4581.5	4573.5	4591.6
5°	4607.6	4609.6	4615.7	4621.7	4617.7	4633.7	4627.7	4617.7	4611.6	4601.6	4619.7
7.5°	4673.9	4673.9	4679.9	4687.9	4683.9	4708.0	4696.0	4681.9	4671.9	4659.8	4675.9
10°	4734.1	4738.1	4744.2	4760.2	4768.2	4794.3	4786.3	4766.2	4750.2	4736.1	4754.2
12.5°	4824.5	4828.5	4834.5	4856.6	4870.6	4896.7	4884.7	4856.6	4832.5	4812.4	4832.5
15°	4940.9	4936.9	4953.0	4981.1	4999.1	5023.2	5009.2	4961.0	4928.9	4902.8	4922.8
17.5°	5059.4	5057.4	5073.4	5109.6	5135.7	5167.8	5143.7	5087.5	5053.3	5021.2	5041.3
20°	5187.9	5193.9	5209.9	5244.1	5282.2	5324.4	5304.3	5244.1	5205.9	5169.8	5185.8
22.5°	5346.5	5348.5	5366.5	5410.7	5460.9	5501.0	5489.0	5414.7	5366.5	5328.4	5348.5
25°	5537.2	5535.2	5559.3	5611.5	5681.7	5721.9	5695.8	5613.5	5561.3	5517.1	5533.2
27.5°	5756.0	5754.0	5790.2	5858.4	5958.8	6015.0	5960.8	5858.4	5786.1	5723.9	5738.0
30°	6031.1	6025.1	6065.2	6157.6	6288.1	6382.4	6302.1	6159.6	6065.2	5999.0	6013.0
32.5°	6336.2	6344.3	6394.5	6518.9	6683.6	6806.0	6685.6	6527.0	6400.5	6304.1	6320.2
35°	6671.5	6671.5	6773.9	6928.5	7163.4	7326.0	7139.3	6910.4	6741.8	6609.3	6613.3
37.5°	7045.0	7049.0	7183.5	7396.3	7703.5	7894.2	7641.2	7358.2	7153.4	7010.8	7002.8
40°	7500.7	7512.7	7651.3	7888.2	8233.5	8408.2	8137.1	7860.1	7651.3	7482.6	7466.6
42.5°	8014.7	8018.7	8165.2	8378.1	8669.2	8773.6	8560.8	8333.9	8163.2	8010.7	7994.6
45°	8504.5	8494.5	8621.0	8779.6	8948.2	8958.3	8839.8	8747.5	8598.9	8468.4	8444.3
47.5°	8886.0	8878.0	8992.4	9078.7	9098.8	9000.4	9038.6	9052.6	8880.0	8703.3	8657.1
50°	9118.9	9135.0	9243.4	9291.6	9173.1	9012.5	9157.0	9120.9	8874.0	8643.1	8568.8
52.5°	9259.4	9283.5	9472.2	9594.7	9472.2	9319.7	9339.7	9126.9	8771.6	8466.4	8370.0
55°	8904.1	9000.4	9408.0	9950.1	10150.8	10044.4	9663.0	9114.9	8456.4	8012.7	7930.3
57.5°	6599.3	6751.8	7356.1	8530.6	9751.3	10138.8	9024.5	7641.2	6643.4	6073.2	6025.1
60°	3368.9	3539.5	4023.4	5230.0	6800.0	7346.1	6286.1	4892.7	3888.9	3427.1	3374.9
62.5°	1375.3	1403.4	1562.0	2027.8	3005.5	3467.3	3045.7	2138.2	1606.1	1479.7	1481.7
65°	1082.1	1088.2	1080.1	1108.2	1258.8	1397.3	1290.9	1134.3	1106.2	1120.3	1110.2
67.5°	943.6	945.6	939.6	939.6	945.6	939.6	951.6	957.7	961.7	977.7	967.7
70°	789.0	791.0	791.0	795.0	793.0	783.0	801.1	809.1	811.1	821.1	815.1
72.5°	610.3	616.4	620.4	622.4	620.4	614.4	624.4	638.4	636.4	646.5	636.4
75°	413.6	421.6	425.6	433.7	431.7	431.7	443.7	449.7	443.7	451.7	443.7
77.5°	234.9	240.9	253.0	261.0	269.0	275.1	283.1	287.1	285.1	289.1	285.1
80°	136.5	138.5	148.6	152.6	162.6	172.7	180.7	184.7	186.7	188.7	186.7
82.5°	78.3	80.3	84.3	88.3	96.4	104.4	112.4	118.5	118.5	120.5	118.5
85°	38.1	38.1	40.2	42.2	46.2	52.2	58.2	64.2	66.3	66.3	66.3
87.5°	6.0	6.0	8.0	8.0	10.0	12.0	16.1	20.1	22.1	22.1	22.1
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)