

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: P639780

Luminaire Tested: GWS-SA5C-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639780
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-SA5C-750-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20571.6 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

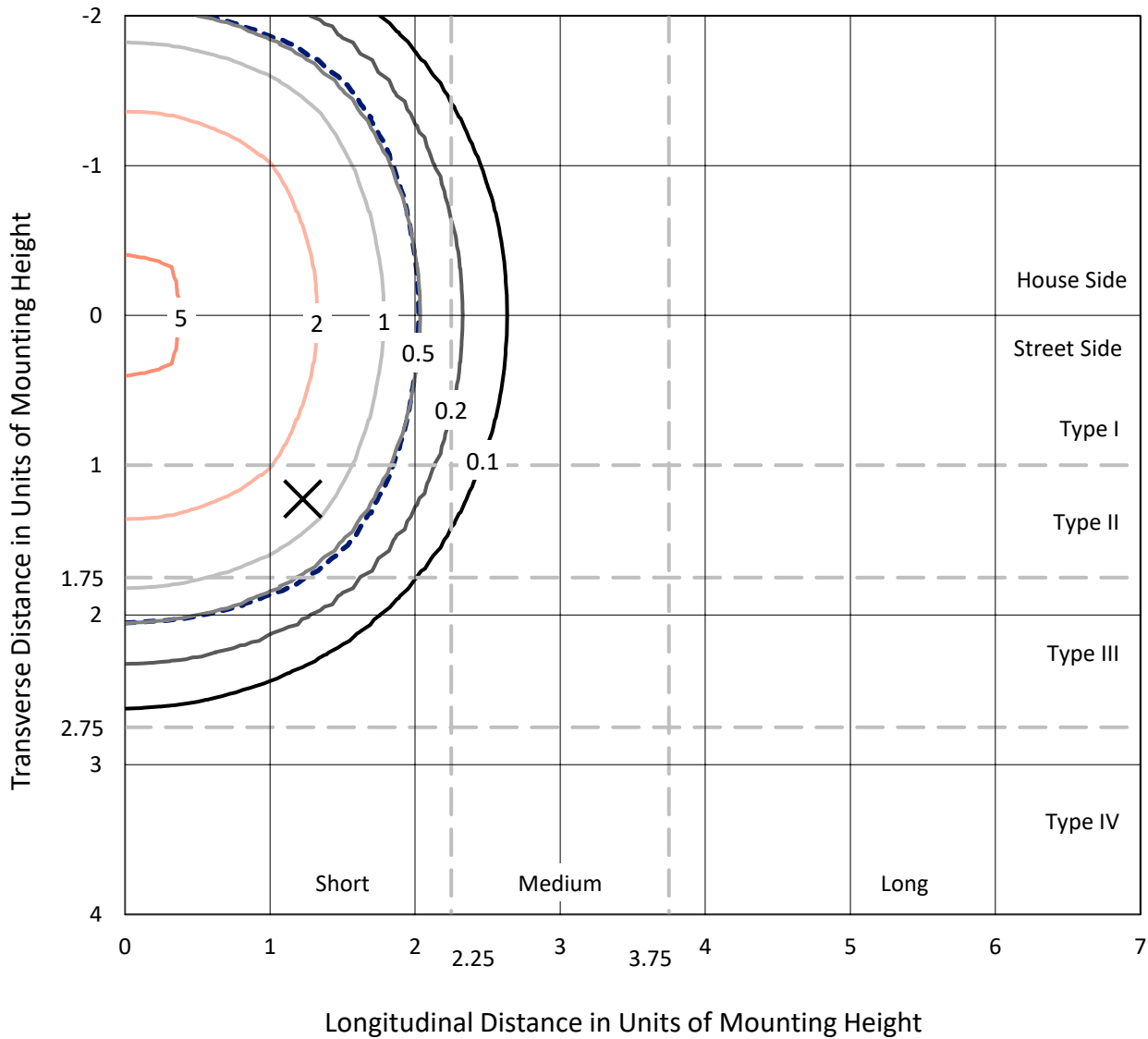
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639780
 CATALOG NUMBER: GWS-SA5C-750-U-5WQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

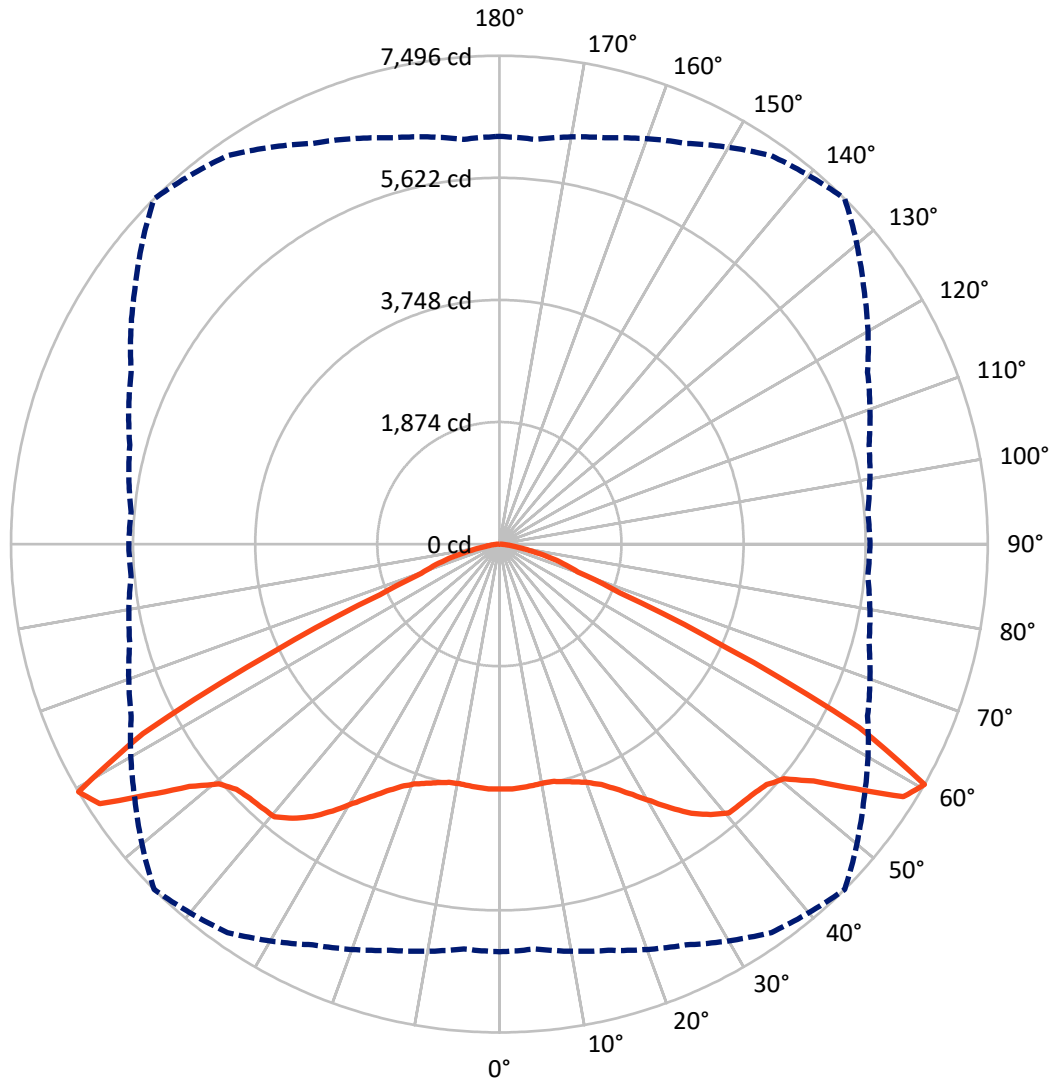
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P639780
CATALOG NUMBER: GWS-SA5C-750-U-5WQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639780

CATALOG NUMBER: GWS-SA5C-750-U-5WQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10285.8	0.0	10285.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10285.8	0.0	10285.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	20571.6	0.0	20571.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.5	1.7
10°-20°	1072.4	5.2
20°-30°	1897.2	9.2
30°-40°	3054.6	14.8
40°-50°	4198.4	20.4
50°-60°	5594.8	27.2
60°-70°	3487.0	17.0
70°-80°	801.9	3.9
80°-90°	108.8	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°	20571.6	100.0
0°-180°	20571.6	100.0

Coefficient of Utilization



REPORT NUMBER: P639780

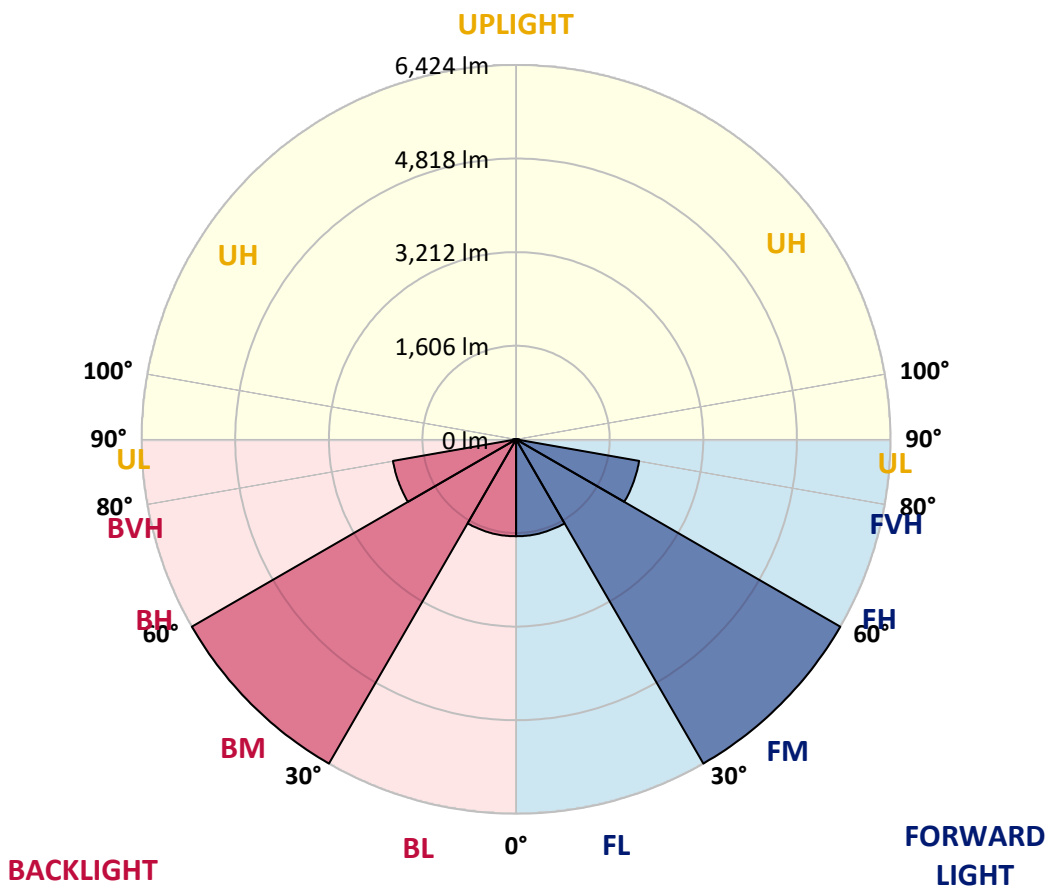
CATALOG NUMBER: GWS-SA5C-750-U-5WQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1663.1	8.1			
FM (30°-60°)	6423.9	31.2			
FH (60°-80°)	2144.4	10.4			G2/5000
FVH (80°-90°)	54.4	0.3			G1/100
BL (0°-30°)	1663.1	8.1	B3/2500		
BM (30°-60°)	6423.9	31.2	B4/8500		
BH (60°-80°)	2144.4	10.4	B3/2500		G2/5000
BVH (80°-90°)	54.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P639780
 CATALOG NUMBER: GWS-SA5C-750-U-5WQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3759.4	3759.4	3759.4	3759.4	3759.4	3759.4	3759.4	3759.4	3759.4	3759.4	3759.4
2.5°	3733.2	3736.7	3743.7	3749.0	3755.9	3762.9	3766.4	3759.4	3755.9	3742.0	3757.7
5°	3736.7	3740.2	3745.5	3745.5	3747.2	3752.4	3752.4	3743.7	3735.0	3719.3	3736.7
7.5°	3731.5	3735.0	3736.7	3735.0	3736.7	3738.5	3735.0	3724.5	3715.8	3701.8	3715.8
10°	3722.8	3726.3	3729.7	3726.3	3722.8	3728.0	3728.0	3721.0	3715.8	3701.8	3717.5
12.5°	3742.0	3747.2	3749.0	3740.2	3736.7	3738.5	3738.5	3731.5	3731.5	3719.3	3736.7
15°	3787.4	3790.9	3785.6	3775.1	3776.9	3782.1	3769.9	3752.4	3749.0	3743.7	3757.7
17.5°	3822.3	3825.8	3820.5	3813.6	3825.8	3838.0	3815.3	3782.1	3771.7	3768.2	3783.9
20°	3860.7	3865.9	3859.0	3867.7	3892.1	3906.1	3878.2	3832.8	3811.8	3806.6	3825.8
22.5°	3923.6	3930.6	3930.6	3949.8	3986.4	4009.1	3974.2	3913.1	3881.7	3872.9	3892.1
25°	4023.1	4028.3	4033.6	4072.0	4131.4	4162.8	4106.9	4023.1	3979.4	3965.5	3976.0
27.5°	4161.0	4169.8	4178.5	4234.4	4307.7	4353.1	4272.8	4168.0	4113.9	4086.0	4106.9
30°	4325.2	4337.4	4358.4	4421.2	4524.2	4574.9	4471.9	4344.4	4283.3	4253.6	4281.5
32.5°	4548.7	4550.4	4566.1	4636.0	4772.2	4829.8	4700.6	4559.2	4496.3	4461.4	4477.1
35°	4814.1	4815.8	4791.4	4863.0	5009.7	5074.3	4922.4	4779.2	4726.8	4716.3	4756.5
37.5°	5086.5	5070.8	5046.3	5077.8	5226.2	5268.1	5107.4	4985.2	4962.5	4981.7	5041.1
40°	5280.3	5254.1	5205.2	5227.9	5378.1	5427.0	5255.9	5140.6	5133.6	5180.8	5252.4
42.5°	5406.0	5378.1	5320.5	5320.5	5423.5	5444.5	5311.7	5250.6	5266.3	5320.5	5388.6
45°	5467.2	5451.4	5418.3	5400.8	5458.4	5467.2	5365.9	5341.4	5371.1	5397.3	5449.7
47.5°	5514.3	5514.3	5503.8	5486.4	5512.6	5517.8	5442.7	5435.7	5474.1	5474.1	5509.1
50°	5598.1	5606.8	5620.8	5617.3	5645.3	5662.7	5606.8	5596.4	5612.1	5561.4	5578.9
52.5°	5818.1	5840.8	5881.0	5912.4	5984.0	6038.1	5938.6	5854.8	5772.7	5661.0	5664.5
55°	6212.8	6223.2	6301.8	6394.3	6514.8	6624.8	6420.5	6160.4	5982.3	5851.3	5853.0
57.5°	6546.3	6562.0	6677.2	6871.0	7141.7	7312.8	6860.6	6425.8	6174.3	6013.7	6018.9
60°	6258.2	6237.2	6455.5	6787.2	7277.9	7496.2	6829.1	6235.5	5874.0	5674.9	5688.9
62.5°	4842.0	4801.9	5044.6	5392.1	5980.5	6198.8	5584.1	5014.9	4672.7	4517.3	4494.6
65°	2947.5	2910.8	3085.4	3298.5	3696.6	3834.5	3553.4	3251.3	2952.7	2858.4	2832.2
67.5°	1604.7	1599.5	1646.6	1751.4	1926.0	1990.6	1936.5	1793.3	1716.5	1650.1	1650.1
70°	1272.9	1262.5	1253.7	1255.5	1271.2	1279.9	1281.7	1274.7	1283.4	1285.2	1278.2
72.5°	1054.7	1051.2	1033.7	1035.5	1028.5	1025.0	1037.2	1044.2	1058.2	1059.9	1059.9
75°	764.8	756.1	764.8	766.6	759.6	759.6	768.3	766.6	773.5	777.0	757.8
77.5°	434.8	434.8	447.0	461.0	471.5	471.5	480.2	480.2	488.9	487.2	483.7
80°	239.2	239.2	246.2	254.9	265.4	275.9	284.6	286.4	291.6	289.9	284.6
82.5°	136.2	137.9	141.4	146.7	157.2	165.9	174.6	176.4	181.6	181.6	176.4
85°	64.6	62.9	64.6	68.1	73.3	80.3	89.1	94.3	97.8	97.8	94.3
87.5°	12.2	14.0	12.2	14.0	15.7	21.0	24.4	27.9	33.2	34.9	31.4
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)