

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: P635820

Luminaire Tested: GWS-SA3E-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635820
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-SA3E-750-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18998.5 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

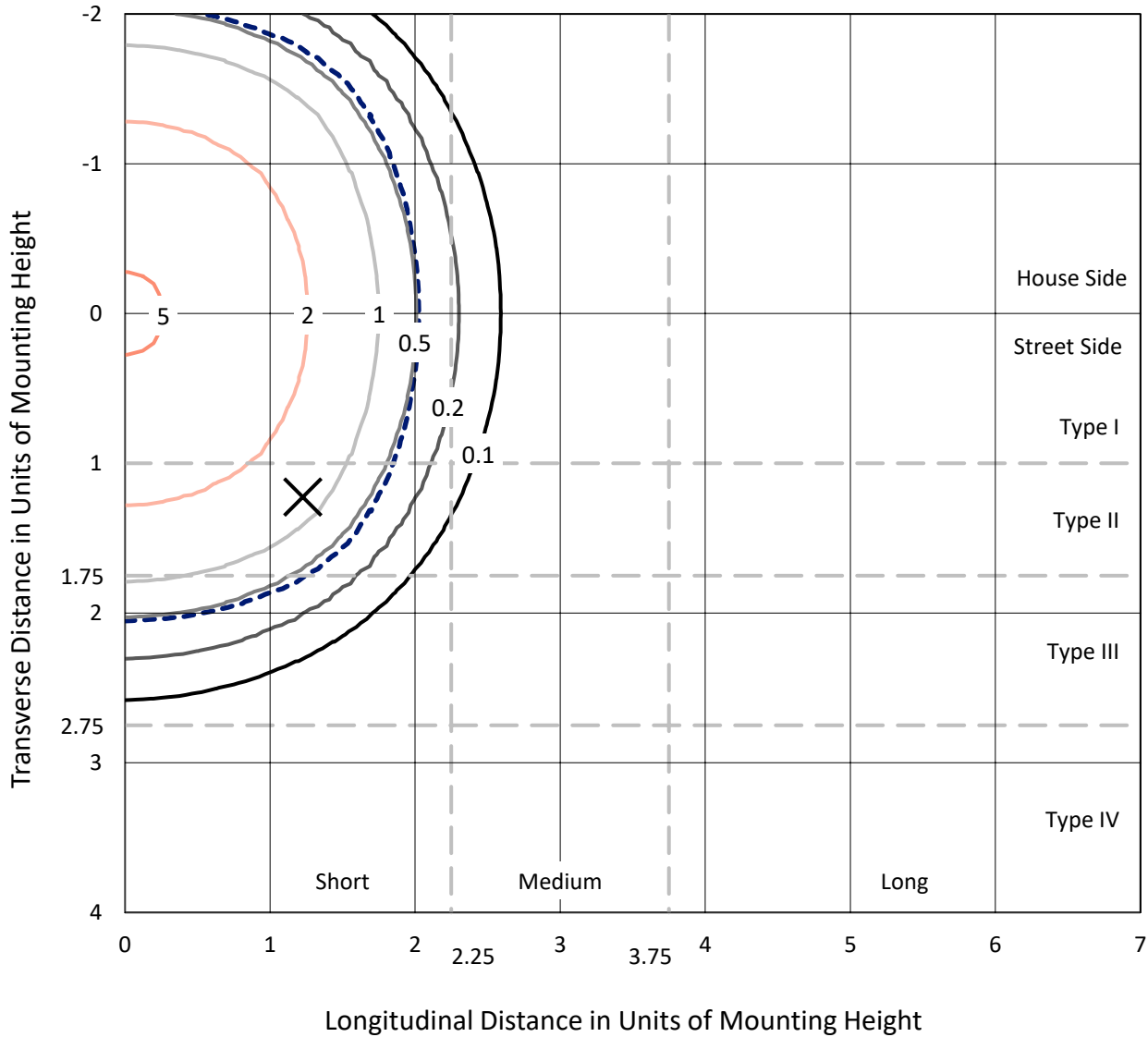
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635820
 CATALOG NUMBER: GWS-SA3E-750-U-5WQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

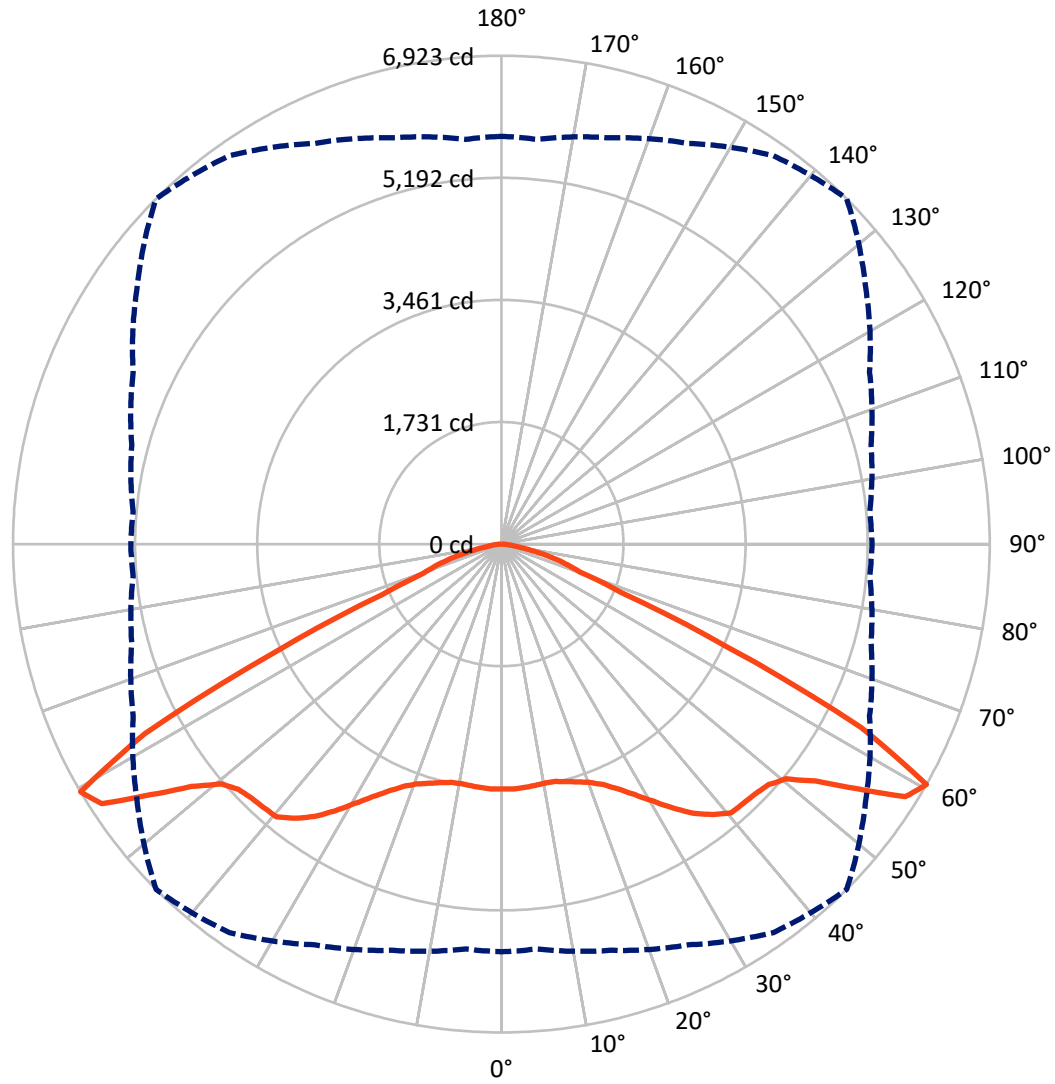
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

REPORT NUMBER: P635820
CATALOG NUMBER: GWS-SA3E-750-U-5WQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635820

CATALOG NUMBER: GWS-SA3E-750-U-5WQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9499.2	0.0	9499.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9499.2	0.0	9499.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	18998.5	0.0	18998.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.3	1.7
10°-20°	990.4	5.2
20°-30°	1752.1	9.2
30°-40°	2821.0	14.8
40°-50°	3877.4	20.4
50°-60°	5167.0	27.2
60°-70°	3220.3	17.0
70°-80°	740.5	3.9
80°-90°	100.5	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°	18998.5	100.0
0°-180°	18998.5	100.0

Coefficient of Utilization



REPORT NUMBER: P635820

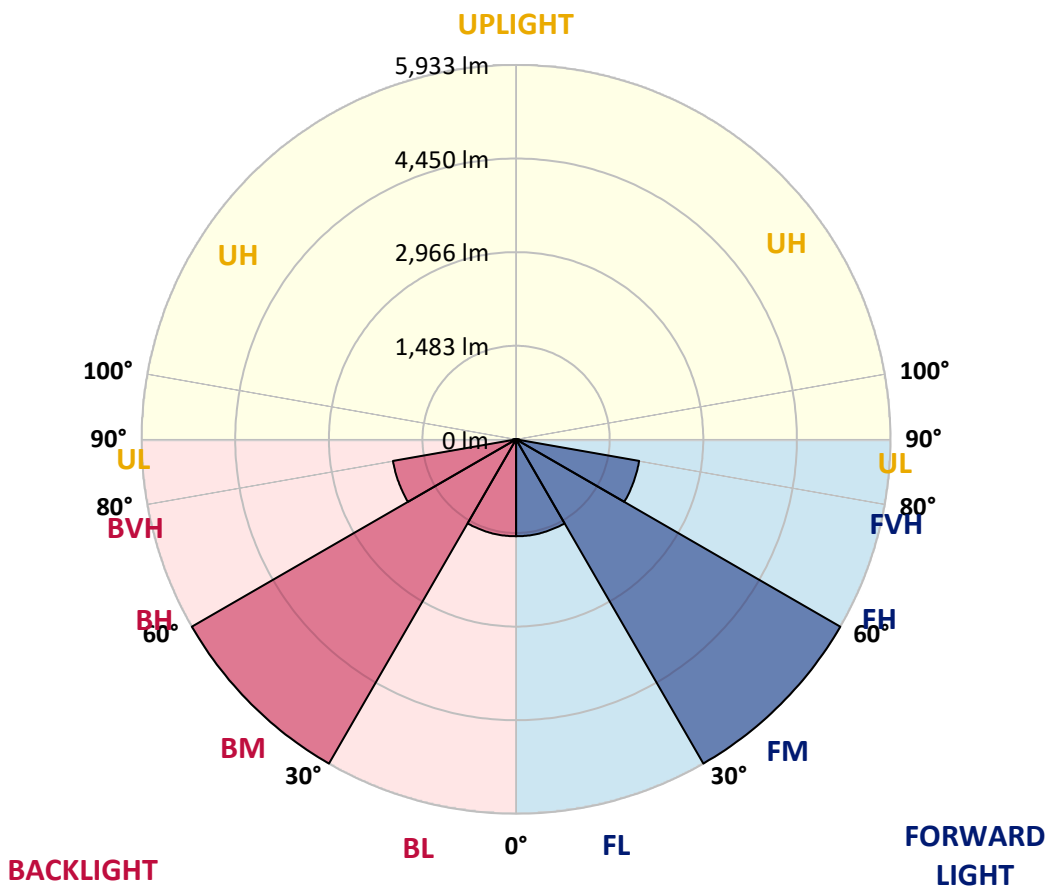
CATALOG NUMBER: GWS-SA3E-750-U-5WQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1535.9	8.1			
FM (30°-60°)	5932.7	31.2			
FH (60°-80°)	1980.4	10.4			G2/5000
FVH (80°-90°)	50.2	0.3			G1/100
BL (0°-30°)	1535.9	8.1	B3/2500		
BM (30°-60°)	5932.7	31.2	B4/8500		
BH (60°-80°)	1980.4	10.4	B3/2500		G2/5000
BVH (80°-90°)	50.2	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: P635820
 CATALOG NUMBER: GWS-SA3E-750-U-5WQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3471.9	3471.9	3471.9	3471.9	3471.9	3471.9	3471.9	3471.9	3471.9	3471.9	3471.9
2.5°	3447.8	3451.0	3457.4	3462.3	3468.7	3475.2	3478.4	3471.9	3468.7	3455.8	3470.3
5°	3451.0	3454.2	3459.0	3459.0	3460.7	3465.5	3465.5	3457.4	3449.4	3434.9	3451.0
7.5°	3446.1	3449.4	3451.0	3449.4	3451.0	3452.6	3449.4	3439.7	3431.6	3418.7	3431.6
10°	3438.1	3441.3	3444.5	3441.3	3438.1	3442.9	3442.9	3436.5	3431.6	3418.7	3433.2
12.5°	3455.8	3460.7	3462.3	3454.2	3451.0	3452.6	3452.6	3446.1	3446.1	3434.9	3451.0
15°	3497.8	3501.0	3496.1	3486.5	3488.1	3492.9	3481.6	3465.5	3462.3	3457.4	3470.3
17.5°	3530.0	3533.2	3528.4	3521.9	3533.2	3544.5	3523.6	3492.9	3483.2	3480.0	3494.5
20°	3565.5	3570.3	3563.9	3571.9	3594.5	3607.4	3581.6	3539.7	3520.3	3515.5	3533.2
22.5°	3623.5	3630.0	3630.0	3647.7	3681.6	3702.6	3670.3	3613.9	3584.8	3576.8	3594.5
25°	3715.5	3720.3	3725.1	3760.6	3815.4	3844.5	3792.9	3715.5	3675.1	3662.2	3671.9
27.5°	3842.8	3850.9	3859.0	3910.6	3978.3	4020.2	3946.1	3849.3	3799.3	3773.5	3792.9
30°	3994.4	4005.7	4025.1	4083.1	4178.3	4225.0	4129.9	4012.2	3955.7	3928.3	3954.1
32.5°	4200.8	4202.5	4217.0	4281.5	4407.3	4460.5	4341.1	4210.5	4152.5	4120.2	4134.7
35°	4446.0	4447.6	4425.0	4491.1	4626.6	4686.2	4545.9	4413.7	4365.3	4355.7	4392.7
37.5°	4697.5	4683.0	4660.4	4689.5	4826.5	4865.2	4716.9	4604.0	4583.0	4600.8	4655.6
40°	4876.5	4852.3	4807.2	4828.2	4966.8	5012.0	4854.0	4747.5	4741.1	4784.6	4850.7
42.5°	4992.6	4966.8	4913.6	4913.6	5008.8	5028.1	4905.6	4849.1	4863.6	4913.6	4976.5
45°	5049.1	5034.6	5003.9	4987.8	5041.0	5049.1	4955.5	4933.0	4960.4	4984.6	5033.0
47.5°	5092.6	5092.6	5082.9	5066.8	5091.0	5095.8	5026.5	5020.1	5055.5	5055.5	5087.8
50°	5170.0	5178.1	5191.0	5187.8	5213.6	5229.7	5178.1	5168.4	5182.9	5136.2	5152.3
52.5°	5373.2	5394.2	5431.3	5460.3	5526.4	5576.4	5484.5	5407.1	5331.3	5228.1	5231.3
55°	5737.7	5747.3	5819.9	5905.4	6016.6	6118.2	5929.6	5689.3	5524.8	5403.9	5405.5
57.5°	6045.7	6060.2	6166.6	6345.6	6595.6	6753.6	6335.9	5934.4	5702.2	5553.8	5558.7
60°	5779.6	5760.2	5961.8	6268.2	6721.4	6922.9	6306.9	5758.6	5424.8	5241.0	5253.9
62.5°	4471.8	4434.7	4658.8	4979.7	5523.2	5724.8	5157.1	4631.4	4315.3	4171.8	4150.9
65°	2722.1	2688.2	2849.5	3046.2	3413.9	3541.3	3281.7	3002.7	2726.9	2639.8	2615.7
67.5°	1482.0	1477.2	1520.7	1617.4	1778.7	1838.4	1788.4	1656.2	1585.2	1523.9	1523.9
70°	1175.6	1165.9	1157.9	1159.5	1174.0	1182.0	1183.7	1177.2	1185.3	1186.9	1180.4
72.5°	974.0	970.8	954.7	956.3	949.8	946.6	957.9	964.3	977.2	978.9	978.9
75°	706.3	698.3	706.3	707.9	701.5	701.5	709.5	707.9	714.4	717.6	699.9
77.5°	401.5	401.5	412.8	425.7	435.4	435.4	443.5	443.5	451.5	449.9	446.7
80°	220.9	220.9	227.4	235.4	245.1	254.8	262.9	264.5	269.3	267.7	262.9
82.5°	125.8	127.4	130.6	135.5	145.1	153.2	161.3	162.9	167.7	167.7	162.9
85°	59.7	58.1	59.7	62.9	67.7	74.2	82.2	87.1	90.3	90.3	87.1
87.5°	11.3	12.9	11.3	12.9	14.5	19.4	22.6	25.8	30.6	32.3	29.0
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)