

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: P634860

Luminaire Tested: GWS-SA3C-750-U-T2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634860  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-750-U-T2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10688.4 lumens  
Efficiency: N/A  
Efficacy: 114.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

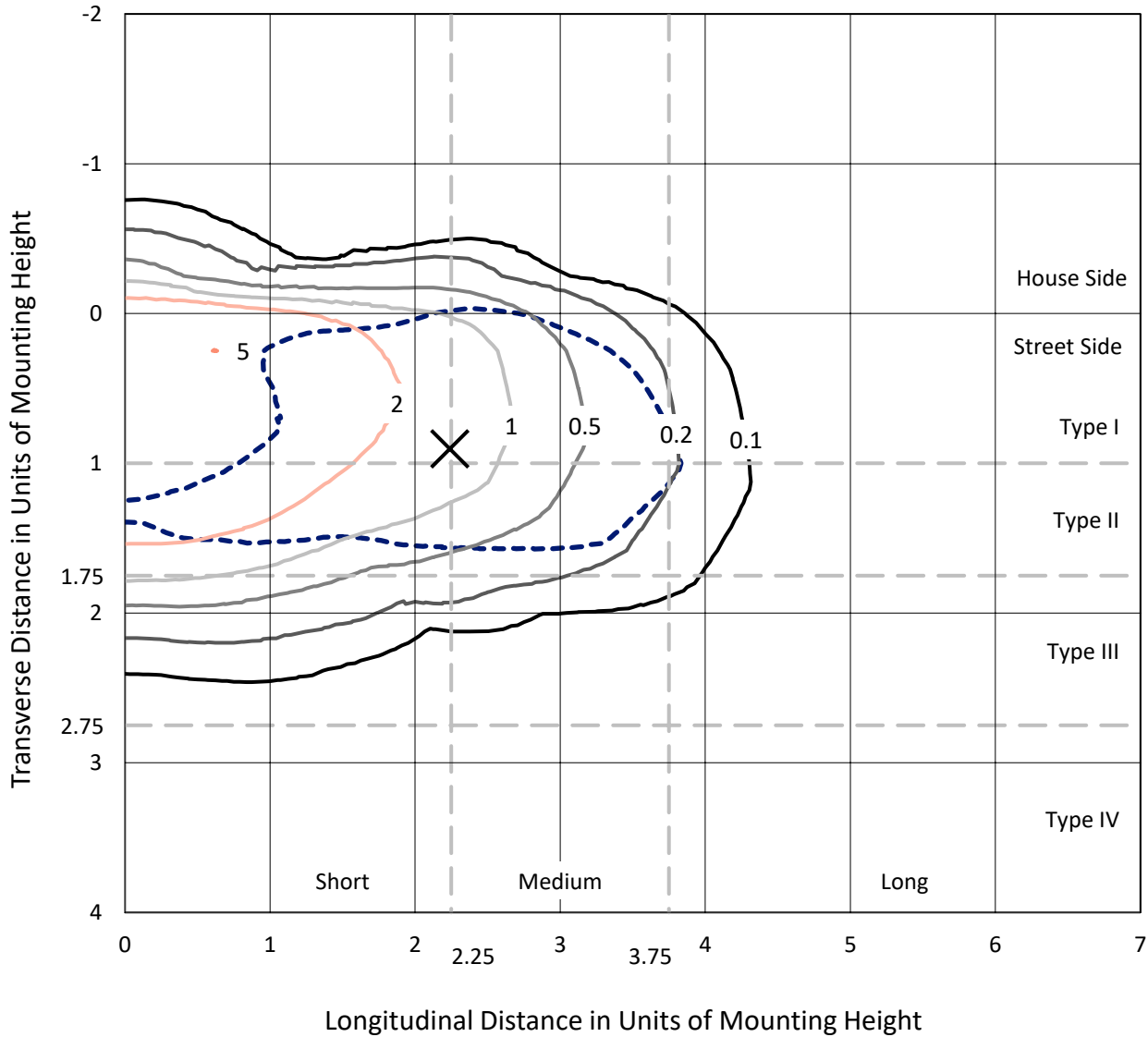
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P634860  
 CATALOG NUMBER: GWS-SA3C-750-U-T2-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

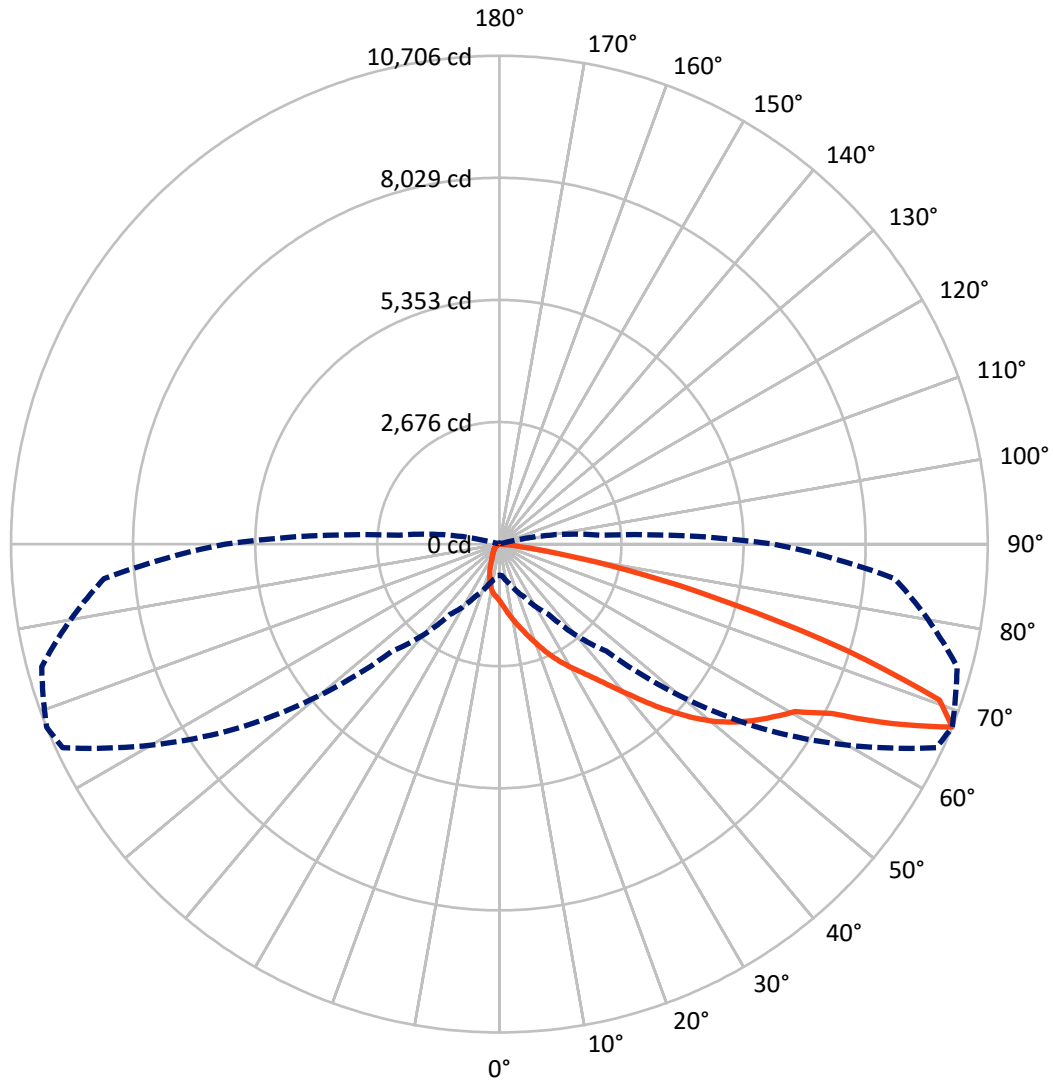
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc  
 Type II - Short - N/A

REPORT NUMBER: P634860  
CATALOG NUMBER: GWS-SA3C-750-U-T2-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P634860

CATALOG NUMBER: GWS-SA3C-750-U-T2-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	771.8	0.0	771.8
	% Fixture	7.2	0.0	7.2
<b>Street Side</b>	Lumens	9916.6	0.0	9916.6
	% Fixture	92.8	0.0	92.8
<b>Total</b>	Lumens	10688.4	0.0	10688.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.3	1.1
10°-20°	348.4	3.3
20°-30°	598.7	5.6
30°-40°	1040.9	9.7
40°-50°	1816.2	17.0
50°-60°	2739.4	25.6
60°-70°	2746.9	25.7
70°-80°	1211.9	11.3
80°-90°	64.7	0.6
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°	10688.4	100.0
0°-180°	10688.4	100.0

**Coefficient of Utilization**

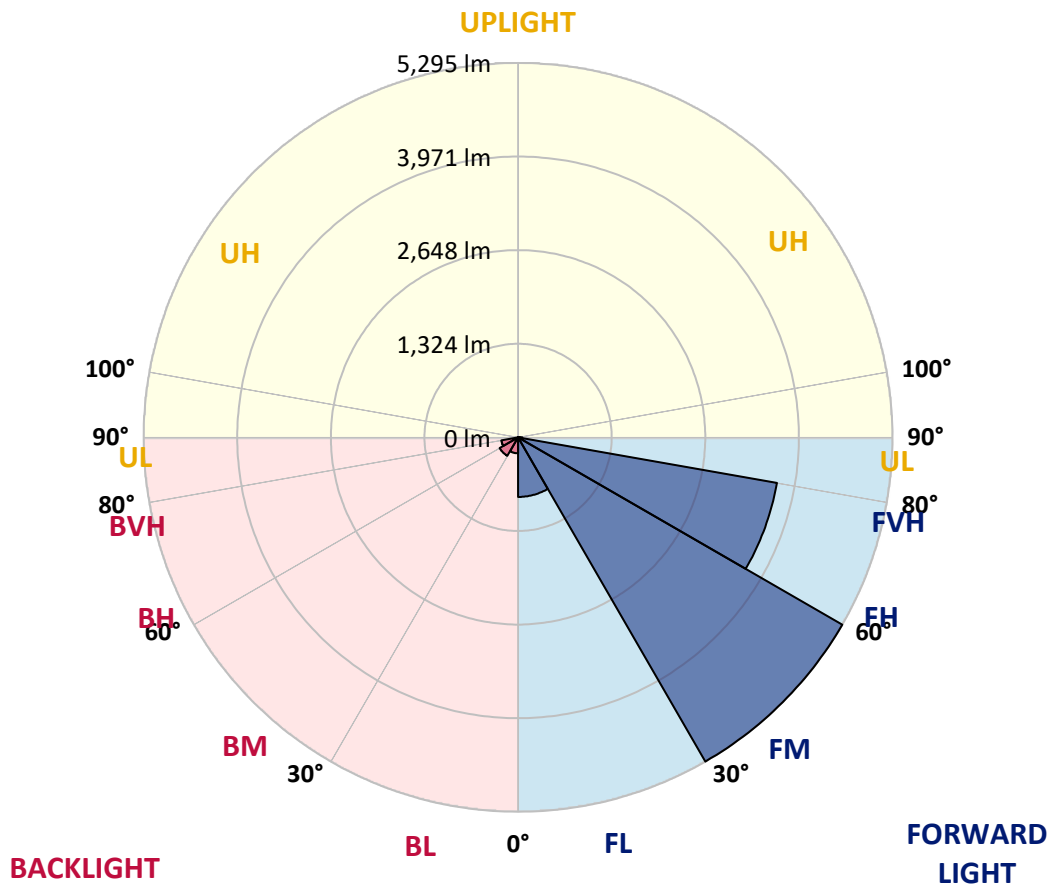


REPORT NUMBER: P634860  
 CATALOG NUMBER: GWS-SA3C-750-U-T2-W-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	842.6	7.9			
FM (30°-60°)	5295.0	49.5			
FH (60°-80°)	3717.9	34.8			G2/5000
FVH (80°-90°)	61.1	0.6			G1/100
BL (0°-30°)	225.8	2.1	B1/500		
BM (30°-60°)	301.5	2.8	B1/1000		
BH (60°-80°)	240.9	2.3	B1/500		G1/500
BVH (80°-90°)	3.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Short





REPORT NUMBER: P634860

CATALOG NUMBER: GWS-SA3C-750-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

Table with 12 columns (0° to 85°) and 25 rows (0° to 90°) showing candela distribution values. Values are generally symmetric around 45-50 degrees and decrease towards 0 and 90 degrees.



REPORT NUMBER: P634860  
 CATALOG NUMBER: GWS-SA3C-750-U-T2-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1243.9	1243.9	1243.9	1243.9	1243.9	1243.9	1243.9	1243.9	1243.9	1243.9	1243.9
2.5°	1263.3	1234.7	1209.1	1171.2	1145.7	1117.0	1097.6	1074.1	1064.8	1057.7	1047.5
5°	1291.9	1245.9	1183.5	1113.9	1056.7	1002.5	952.3	919.6	891.0	886.9	872.5
7.5°	1339.0	1270.5	1165.1	1051.6	954.4	864.4	793.8	736.5	707.9	698.6	682.3
10°	1401.4	1307.3	1137.5	963.6	823.4	716.0	636.2	571.8	526.8	510.4	498.2
12.5°	1470.9	1341.0	1093.5	855.2	695.6	572.8	471.6	403.0	374.4	364.2	354.9
15°	1550.7	1372.7	1023.9	746.7	570.8	421.4	349.8	320.2	307.9	304.8	301.8
17.5°	1627.4	1393.2	941.1	634.2	438.8	327.3	293.6	282.3	279.3	276.2	274.1
20°	1714.4	1407.5	843.9	527.8	340.6	277.2	260.8	252.7	246.5	240.4	239.4
22.5°	1803.4	1407.5	738.5	423.5	285.4	248.6	230.2	214.8	203.6	197.4	195.4
25°	1888.3	1388.1	634.2	338.6	251.6	220.9	197.4	180.0	164.7	157.5	155.5
27.5°	1948.6	1338.0	543.2	286.4	228.1	196.4	167.8	148.3	136.0	128.9	127.9
30°	1986.5	1263.3	459.3	255.7	207.7	170.8	142.2	125.8	116.6	111.5	109.5
32.5°	2015.1	1171.2	384.6	234.2	188.2	148.3	123.8	110.5	102.3	98.2	97.2
35°	2072.4	1084.3	329.4	214.8	167.8	129.9	108.4	98.2	92.1	86.9	85.9
37.5°	2152.2	1011.7	285.4	197.4	148.3	115.6	98.2	89.0	83.9	78.8	77.7
40°	2269.8	965.6	252.7	180.0	130.9	104.3	90.0	81.8	74.7	69.6	68.5
42.5°	2450.9	944.1	231.2	162.6	115.6	94.1	82.9	72.6	65.5	60.4	59.3
45°	2666.7	955.4	212.8	145.3	105.4	86.9	73.6	63.4	56.3	51.1	50.1
47.5°	2897.9	995.3	197.4	128.9	95.1	79.8	65.5	54.2	48.1	43.0	41.9
50°	3139.3	1060.8	184.1	113.5	86.9	71.6	56.3	47.1	40.9	36.8	35.8
52.5°	3349.0	1149.8	170.8	102.3	79.8	63.4	49.1	40.9	34.8	30.7	29.7
55°	3549.5	1233.6	160.6	92.1	71.6	55.2	43.0	34.8	29.7	25.6	24.5
57.5°	3767.4	1322.6	148.3	82.9	64.4	49.1	37.8	29.7	25.6	21.5	20.5
60°	4084.5	1454.6	129.9	75.7	56.3	43.0	32.7	26.6	22.5	17.4	16.4
62.5°	4541.7	1695.0	109.5	65.5	48.1	36.8	27.6	22.5	18.4	14.3	12.3
65°	5396.9	2104.1	90.0	54.2	38.9	30.7	23.5	18.4	14.3	10.2	9.2
67.5°	6012.7	2210.5	72.6	44.0	31.7	23.5	19.4	14.3	10.2	7.2	6.1
70°	5256.7	1587.6	56.3	35.8	26.6	18.4	15.3	11.3	7.2	5.1	4.1
72.5°	3960.7	1037.2	41.9	27.6	20.5	15.3	11.3	9.2	6.1	4.1	3.1
75°	2791.5	599.4	30.7	20.5	14.3	11.3	9.2	7.2	5.1	3.1	3.1
77.5°	1431.1	247.5	21.5	14.3	10.2	7.2	6.1	4.1	4.1	3.1	2.0
80°	434.7	81.8	12.3	9.2	7.2	5.1	3.1	3.1	3.1	2.0	1.0
82.5°	99.2	26.6	7.2	7.2	5.1	4.1	3.1	1.0	1.0	0.0	0.0
85°	25.6	8.2	6.1	5.1	5.1	4.1	2.0	1.0	0.0	0.0	0.0
87.5°	9.2	5.1	5.1	5.1	4.1	3.1	2.0	0.0	0.0	0.0	0.0
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)