

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P588362

Luminaire Tested: **GAT-CA6-LED-100-740-U-55-5-X-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588362  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 11/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GAT-CA6-LED-100-740-U-55-5-X-X  
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR  
Light Source: (6) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13694.1 lumens  
Efficiency: N/A  
Efficacy: 132.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U4 - G5

Input Watts (W): 103.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



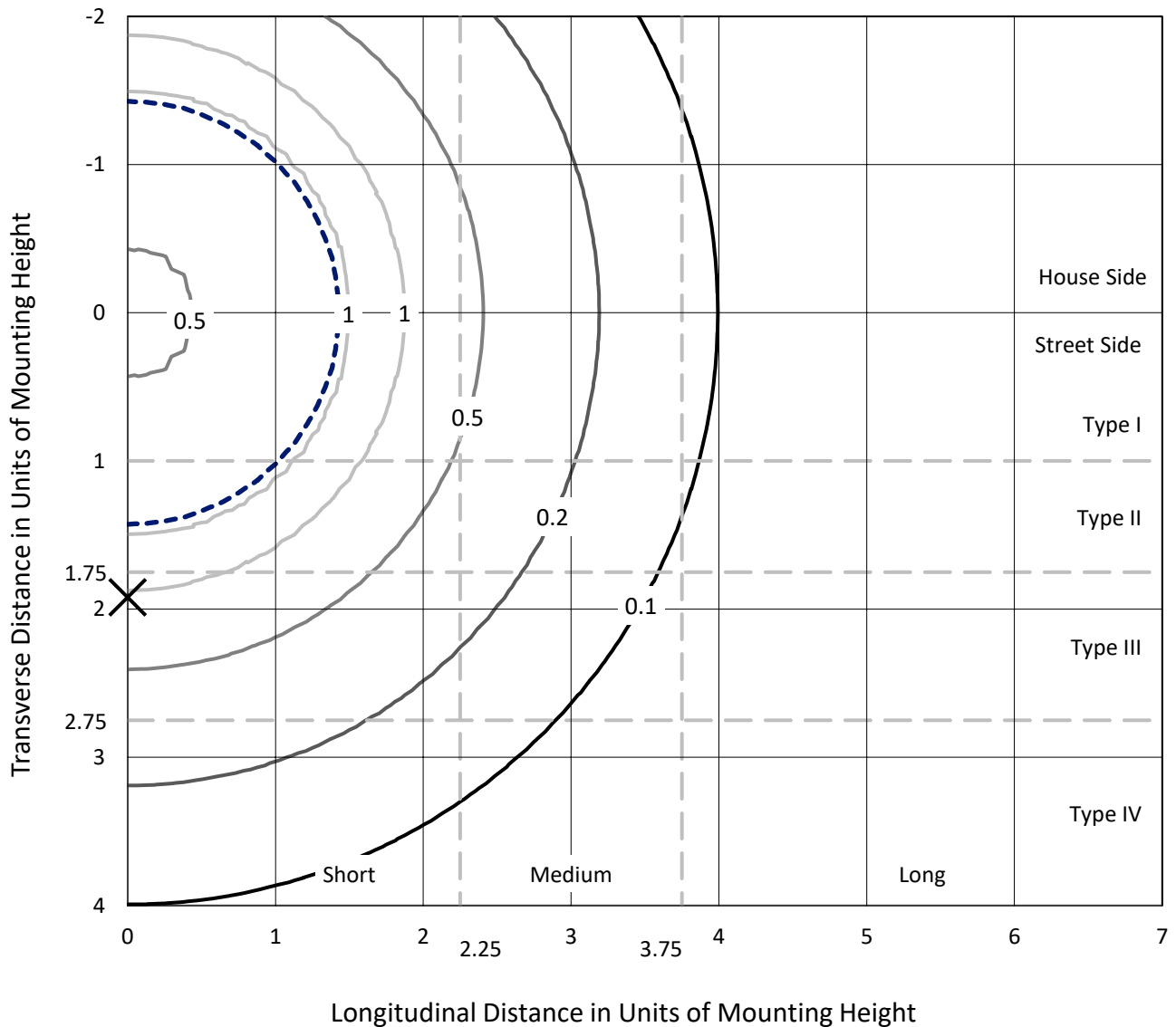


REPORT NUMBER: P588362

CATALOG NUMBER: GAT-CA6-LED-100-740-U-55-5-X-X

### Iso-Footcandle Lines of Horizontal Illumination

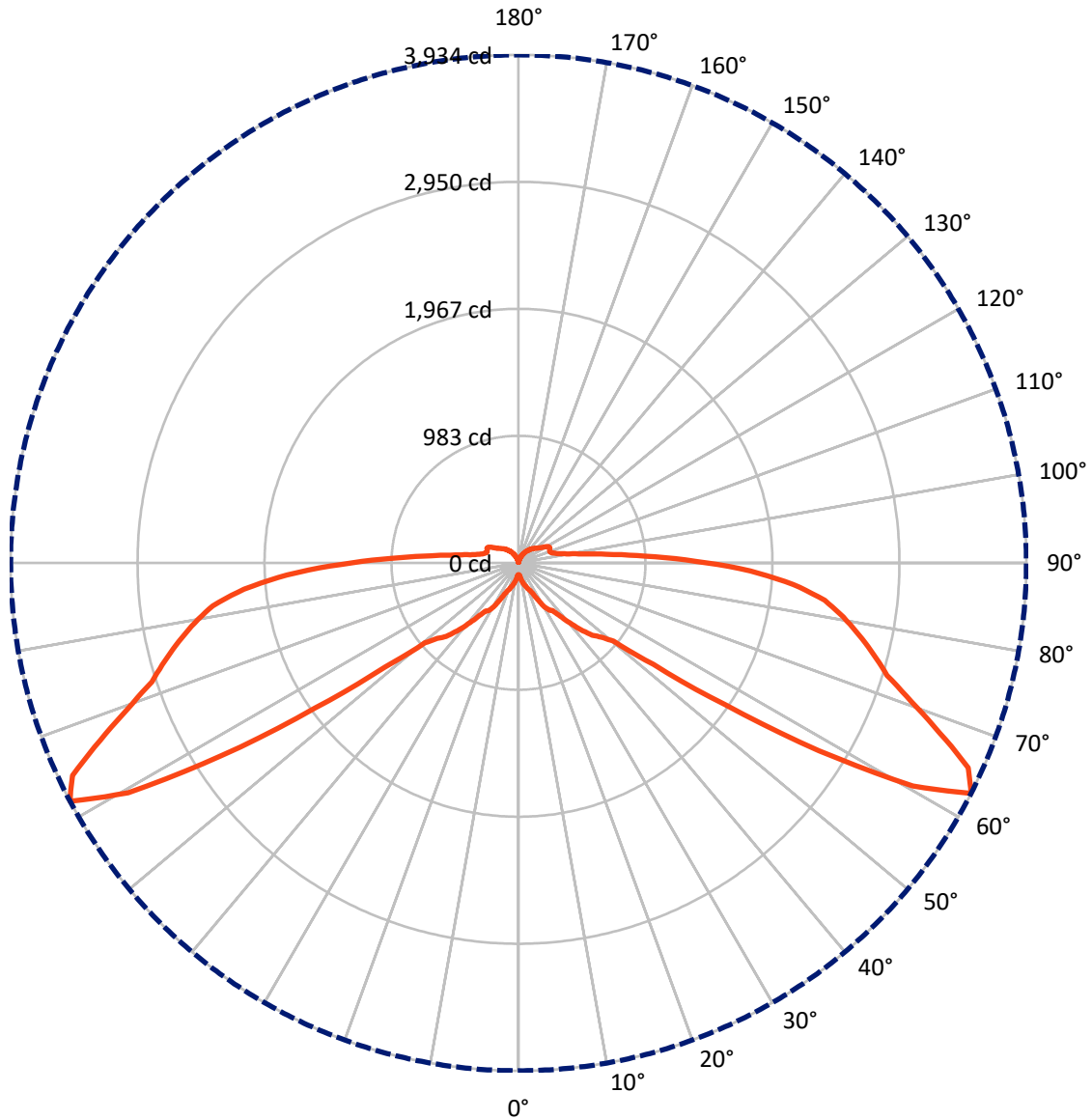
× Max cd  
- - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.1 fc  
Type V - Short - Non-Cutoff

REPORT NUMBER: P588362  
CATALOG NUMBER: GAT-CA6-LED-100-740-U-55-5-X-X

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P588362

CATALOG NUMBER: GAT-CA6-LED-100-740-U-55-5-X-X

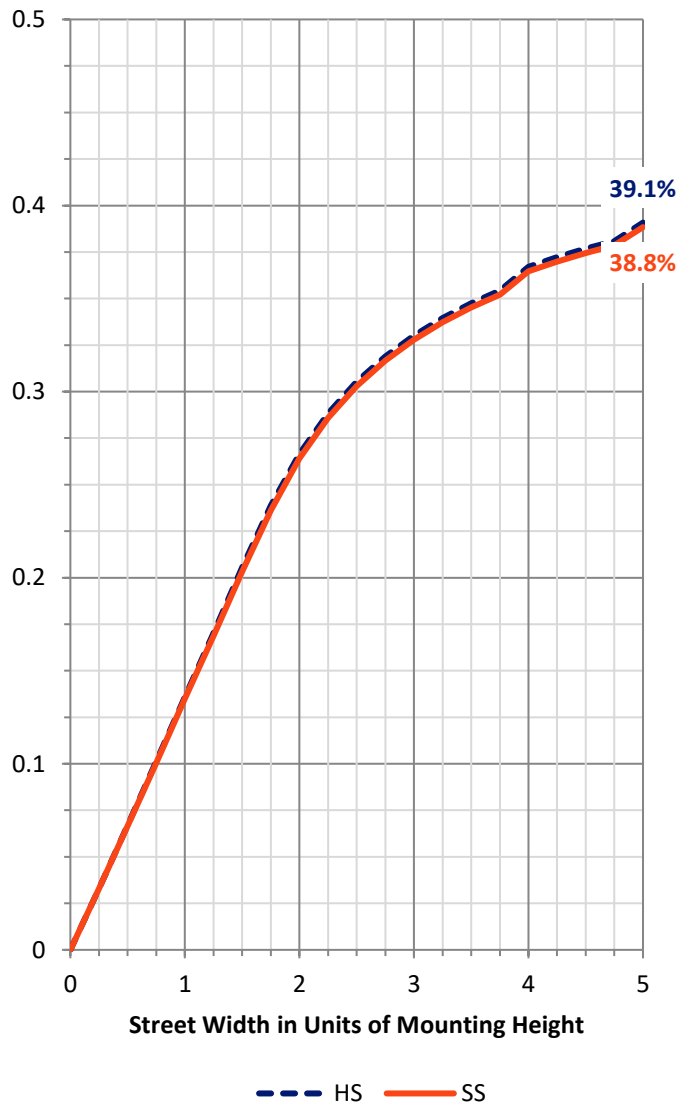
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5944.2	902.8	6847.0
	% Fixture	43.4	6.6	50.0
<b>Street Side</b>	Lumens	5944.2	902.8	6847.0
	% Fixture	43.4	6.6	50.0
<b>Total</b>	Lumens	11888.5	1805.6	13694.1
	% Fixture	86.8	13.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.3	0.1
10°-20°	51.9	0.4
20°-30°	134.9	1.0
30°-40°	303.5	2.2
40°-50°	613.1	4.5
50°-60°	1867.0	13.6
60°-70°	3632.3	26.5
70°-80°	3016.3	22.0
80°-90°	2258.3	16.5
90°-100°	827.0	6.0
100°-110°	311.4	2.3
110°-120°	259.6	1.9
120°-130°	182.8	1.3
130°-140°	118.5	0.9
140°-150°	68.6	0.5
150°-160°	29.6	0.2
160°-170°	7.5	0.1
170°-180°	0.6	0.0
0°-90°	11888.5	86.8
0°-180°	13694.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P588362

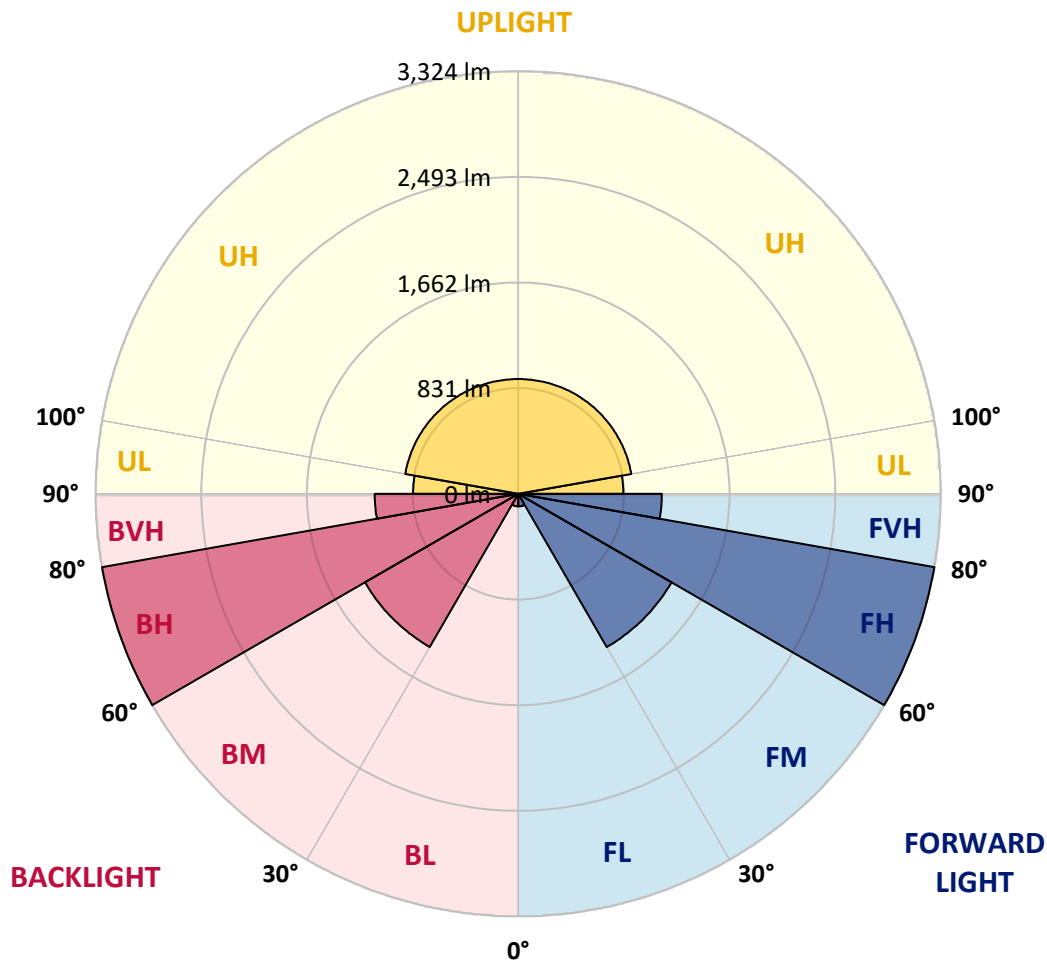
CATALOG NUMBER: GAT-CA6-LED-100-740-U-55-5-X-X

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.1	0.7			
FM (30°-60°)	1391.7	10.2			
FH (60°-80°)	3324.3	24.3			G2/5000
FVH (80°-90°)	1129.1	8.2			G5
BL (0°-30°)	99.1	0.7	B0/110		
BM (30°-60°)	1391.7	10.2	B2/2500		
BH (60°-80°)	3324.3	24.3	B4/5000		G2/5000
BVH (80°-90°)	1129.1	8.2			G5
UL (90°-100°)	827.0	6.0		U4/1000	
UH (100°-180°)	902.8	6.6		U4/1000	

**BUG Rating: B4-U4-G5**

Type V Short



Classified

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P588362

CATALOG NUMBER: GAT-CA6-LED-100-740-U-55-5-X-X

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	91.3
2.5°	93.1
5°	104.0
7.5°	124.1
10°	142.4
12.5°	160.6
15°	178.9
17.5°	197.1
20°	219.0
22.5°	235.5
25°	270.2
27.5°	332.2
30°	394.3
32.5°	436.3
35°	454.5
37.5°	522.1
40°	613.3
42.5°	708.3
45°	799.5
47.5°	857.9
50°	952.9
52.5°	1307.0
55°	1938.6
57.5°	2745.4
60°	3508.4
62.5°	3933.7
65°	3827.8
67.5°	3519.3
70°	3229.1
72.5°	2984.5
75°	2842.1
77.5°	2697.9
80°	2550.1
82.5°	2391.3
85°	2135.7
87.5°	1796.2
90°	1372.7
92.5°	978.4
95°	680.9
97.5°	492.9
100°	377.9
102.5°	314.0
105°	281.1
107.5°	262.9
110°	257.4

Classified

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P588362

CATALOG NUMBER: GAT-CA6-LED-100-740-U-55-5-X-X

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	261.0
115°	268.3
117.5°	264.7
120°	246.4
122.5°	219.0
125°	199.0
127.5°	184.4
130°	173.4
132.5°	162.5
135°	153.3
137.5°	142.4
140°	129.6
142.5°	118.7
145°	109.5
147.5°	98.6
150°	84.0
152.5°	73.0
155°	62.1
157.5°	52.9
160°	42.0
162.5°	32.9
165°	23.7
167.5°	16.4
170°	11.0
172.5°	5.5
175°	3.7
177.5°	5.5
180°	5.5

(END OF REPORT)