

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: P588542

Luminaire Tested: **GAT-CA6-LED-90-722-U-55-5-X-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588542  
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-90-722-U-55-5-X-X  
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR  
Light Source: (6) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10570 lumens  
Efficiency: N/A  
Efficacy: 112.6 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

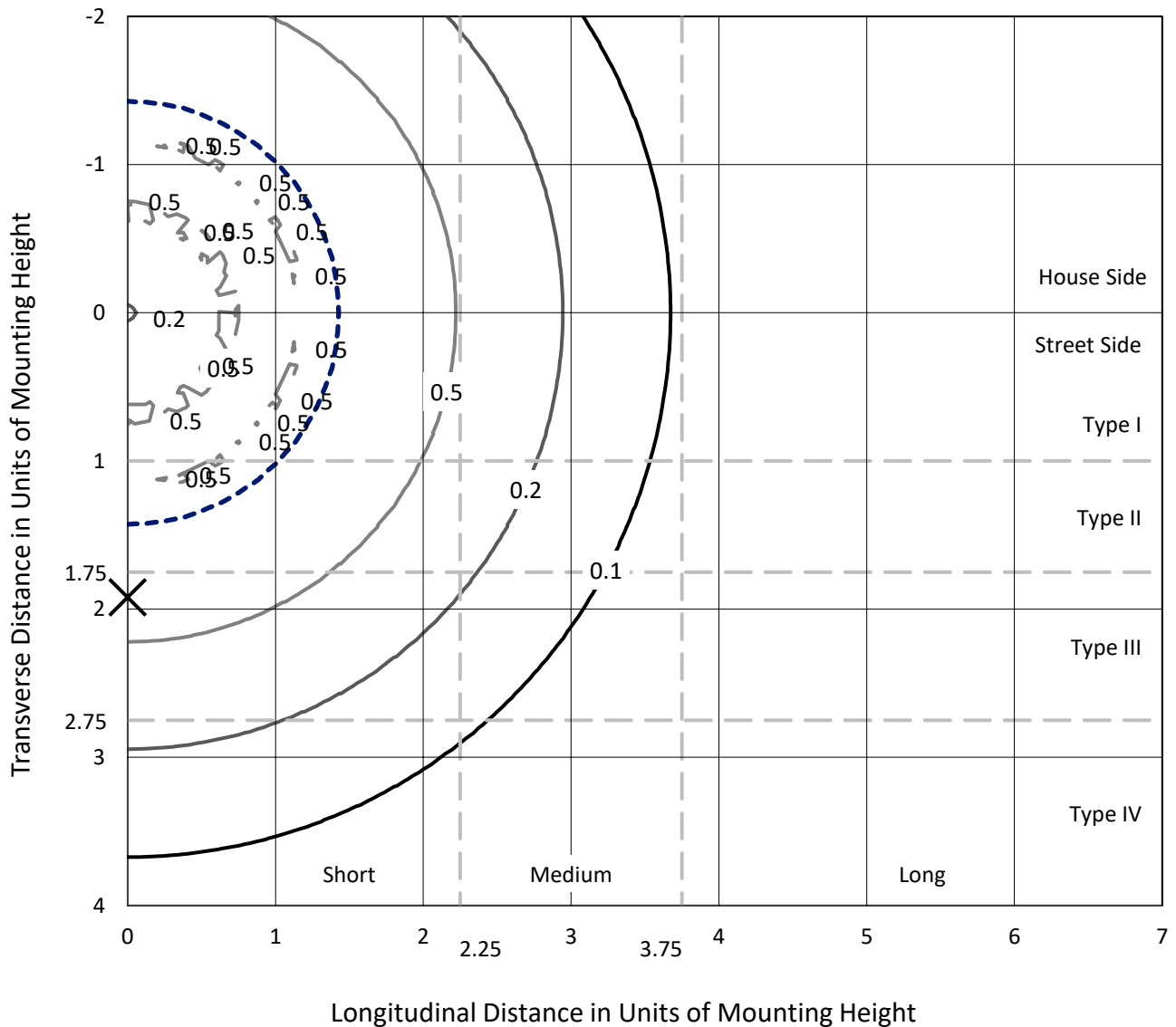
Input Watts (W): 93.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

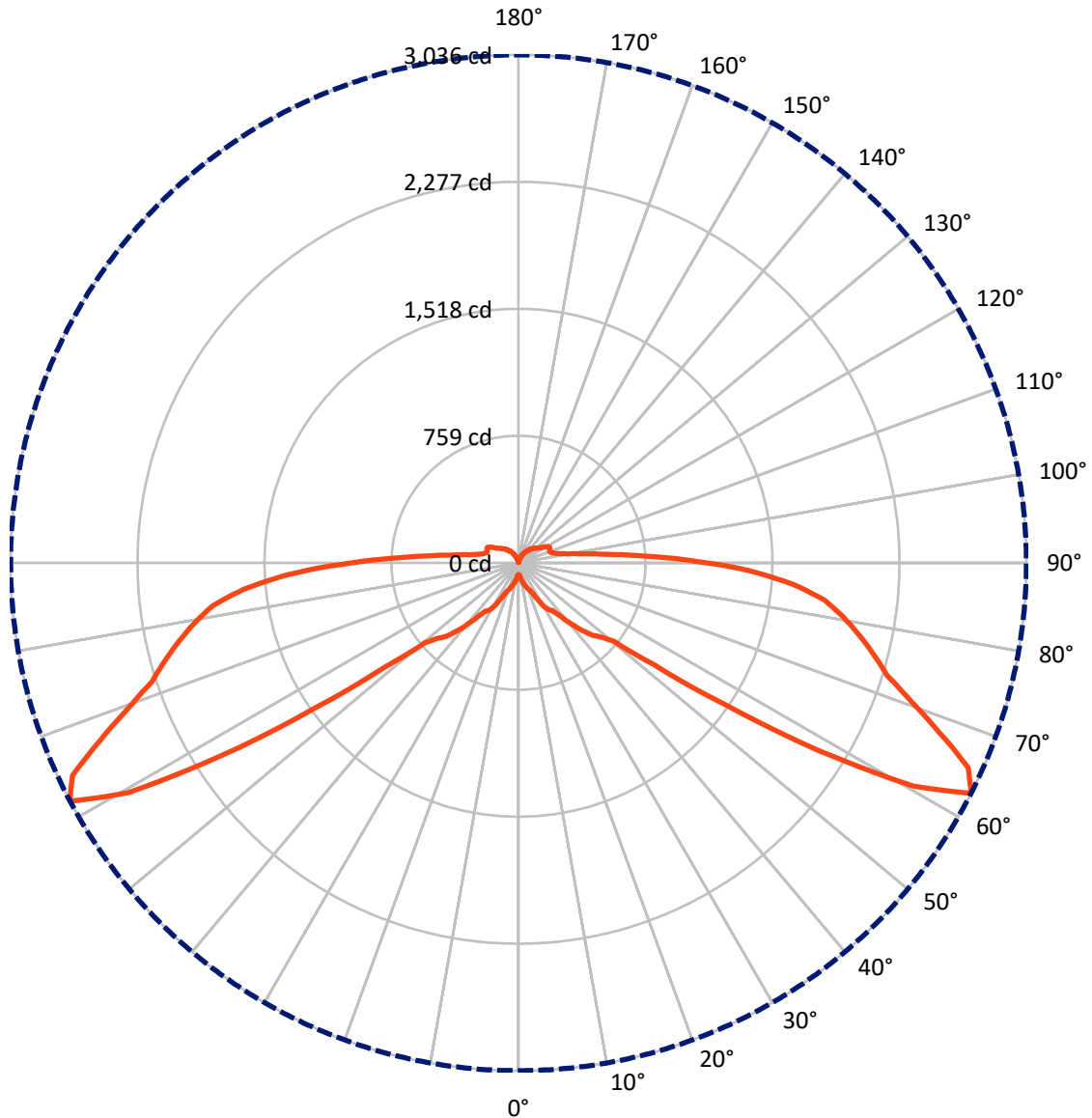
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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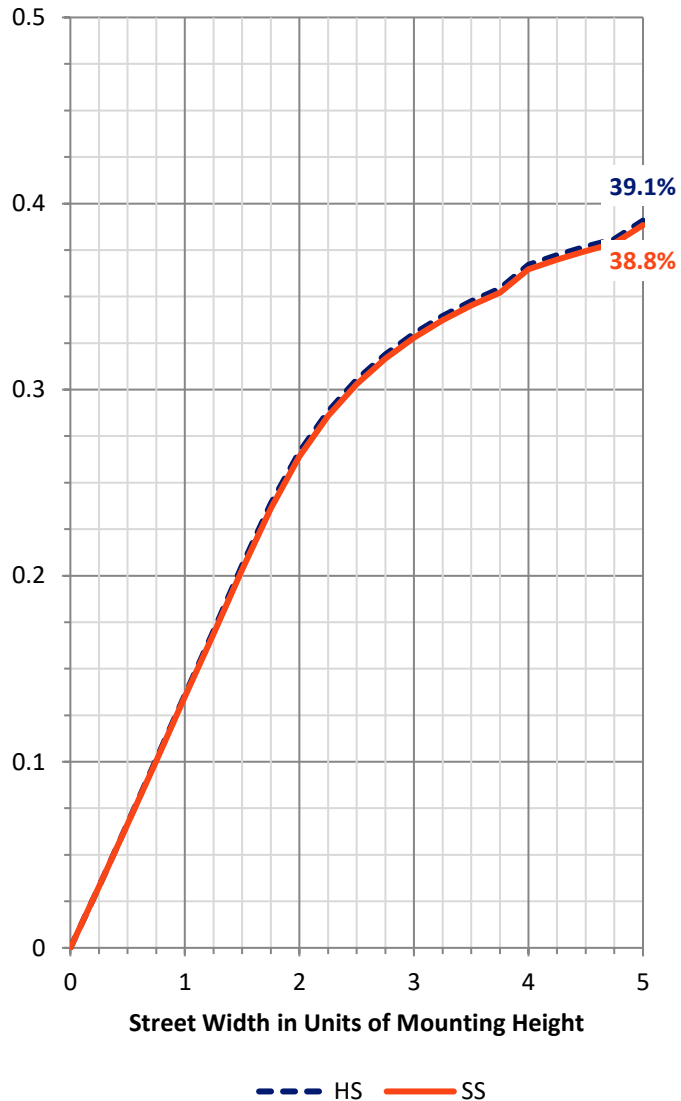
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4588.2	696.8	5285.0
	% Fixture	43.4	6.6	50.0
<b>Street Side</b>	Lumens	4588.2	696.8	5285.0
	% Fixture	43.4	6.6	50.0
<b>Total</b>	Lumens	9176.3	1393.7	10570.0
	% Fixture	86.8	13.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.7	0.1
10°-20°	40.1	0.4
20°-30°	104.1	1.0
30°-40°	234.2	2.2
40°-50°	473.2	4.5
50°-60°	1441.0	13.6
60°-70°	2803.7	26.5
70°-80°	2328.2	22.0
80°-90°	1743.0	16.5
90°-100°	638.3	6.0
100°-110°	240.3	2.3
110°-120°	200.4	1.9
120°-130°	141.1	1.3
130°-140°	91.5	0.9
140°-150°	53.0	0.5
150°-160°	22.9	0.2
160°-170°	5.8	0.1
170°-180°	0.5	0.0
0°-90°	9176.3	86.8
0°-180°	10570.0	100.0

**Coefficient of Utilization**

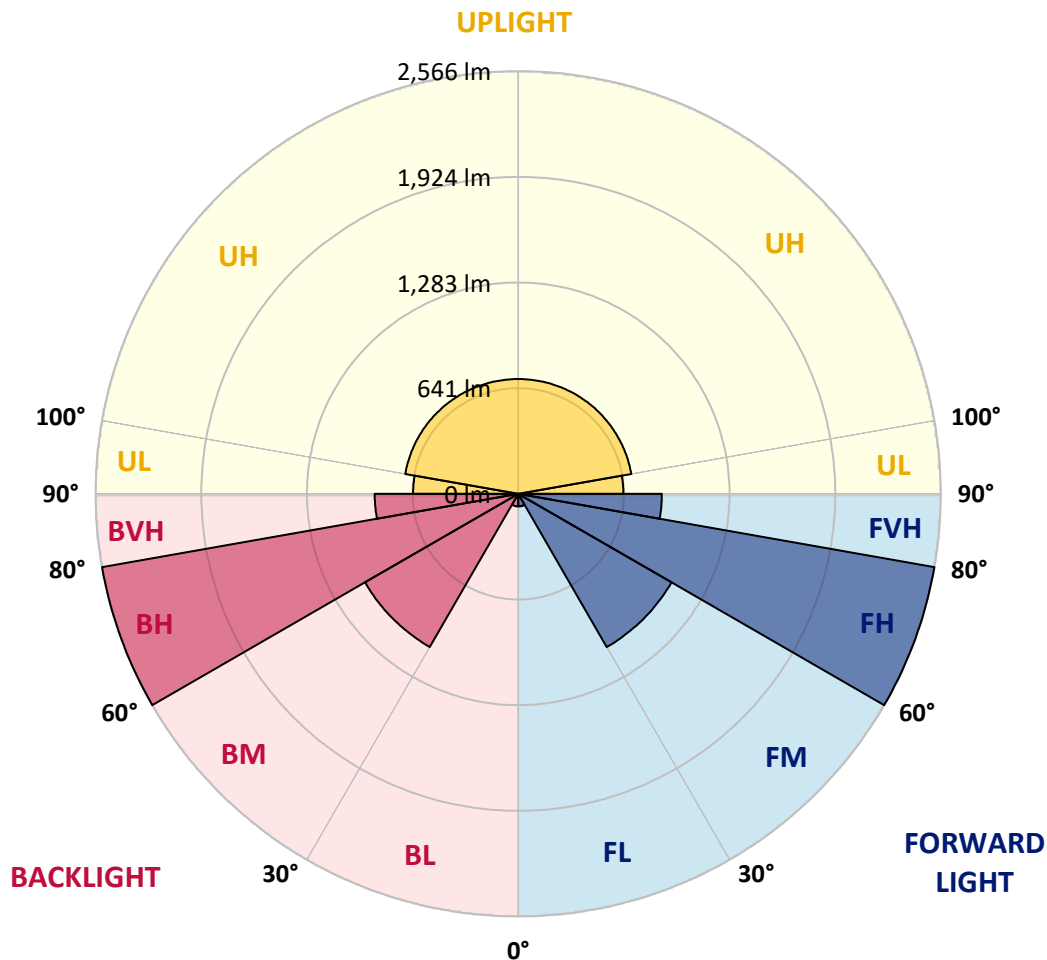


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	76.5	0.7			
FM (30°-60°)	1074.2	10.2			
FH (60°-80°)	2566.0	24.3			G2/5000
FVH (80°-90°)	871.5	8.2			G5
BL (0°-30°)	76.5	0.7	B0/110		
BM (30°-60°)	1074.2	10.2	B2/2500		
BH (60°-80°)	2566.0	24.3	B4/5000		G2/5000
BVH (80°-90°)	871.5	8.2			G5
UL (90°-100°)	638.3	6.0		U4/1000	
UH (100°-180°)	696.8	6.6		U4/1000	

**BUG Rating: B4-U4-G5**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	70.4
2.5°	71.9
5°	80.3
7.5°	95.8
10°	109.9
12.5°	124.0
15°	138.1
17.5°	152.2
20°	169.1
22.5°	181.8
25°	208.5
27.5°	256.4
30°	304.3
32.5°	336.7
35°	350.8
37.5°	403.0
40°	473.4
42.5°	546.7
45°	617.1
47.5°	662.2
50°	735.5
52.5°	1008.8
55°	1496.3
57.5°	2119.1
60°	2708.0
62.5°	3036.3
65°	2954.6
67.5°	2716.5
70°	2492.5
72.5°	2303.7
75°	2193.8
77.5°	2082.4
80°	1968.3
82.5°	1845.7
85°	1648.5
87.5°	1386.4
90°	1059.5
92.5°	755.2
95°	525.5
97.5°	380.4
100°	291.7
102.5°	242.3
105°	217.0
107.5°	202.9
110°	198.7

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	201.5
115°	207.1
117.5°	204.3
120°	190.2
122.5°	169.1
125°	153.6
127.5°	142.3
130°	133.9
132.5°	125.4
135°	118.4
137.5°	109.9
140°	100.0
142.5°	91.6
145°	84.5
147.5°	76.1
150°	64.8
152.5°	56.4
155°	47.9
157.5°	40.9
160°	32.4
162.5°	25.4
165°	18.3
167.5°	12.7
170°	8.5
172.5°	4.2
175°	2.8
177.5°	4.2
180°	4.2

(END OF REPORT)