

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: P588446

Luminaire Tested: **GAT-CA6-LED-50-722-U-55-5-X-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588446  
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-50-722-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: 6325 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U3 - G4

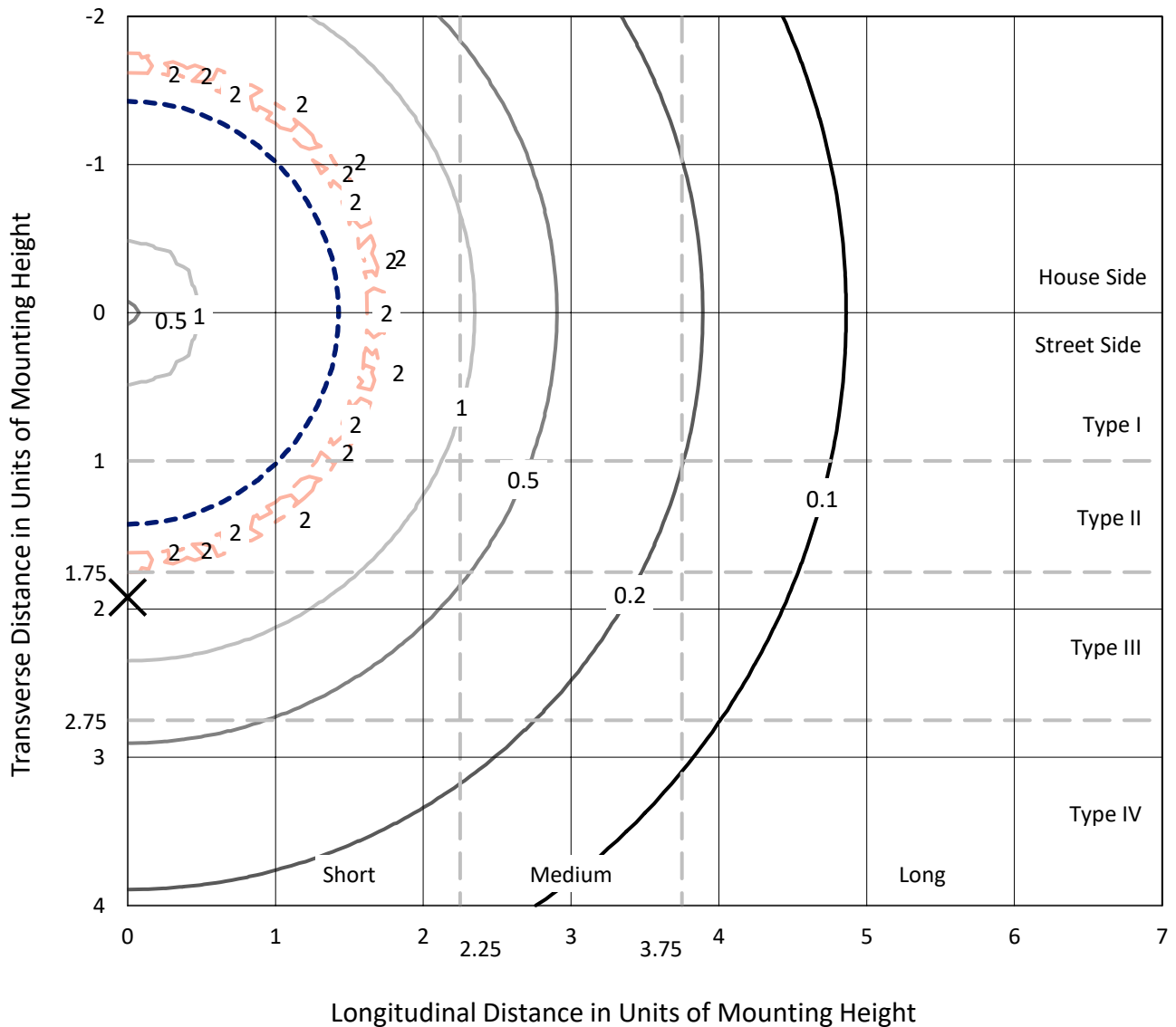
Input Watts (W): 54  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

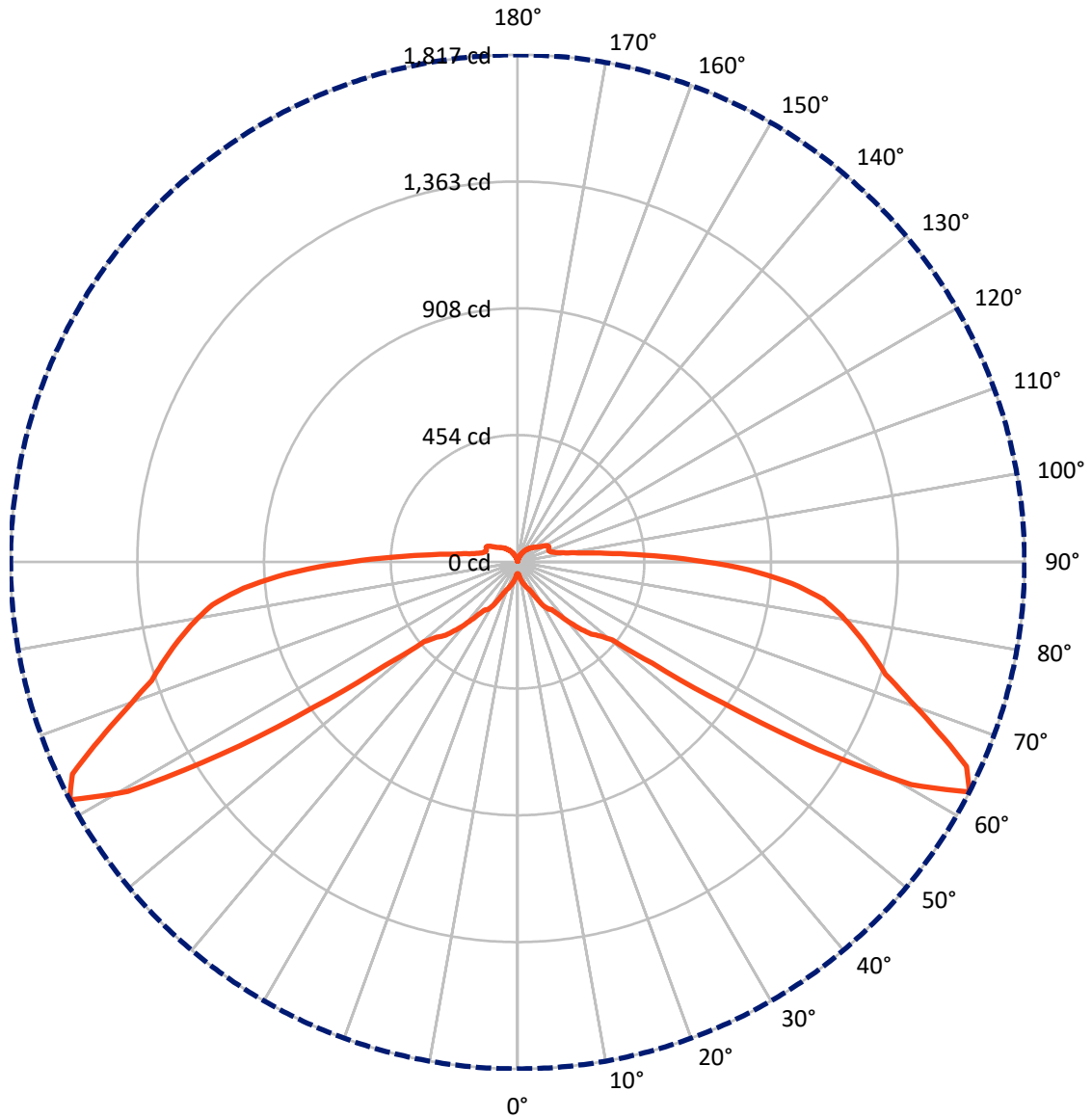
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2 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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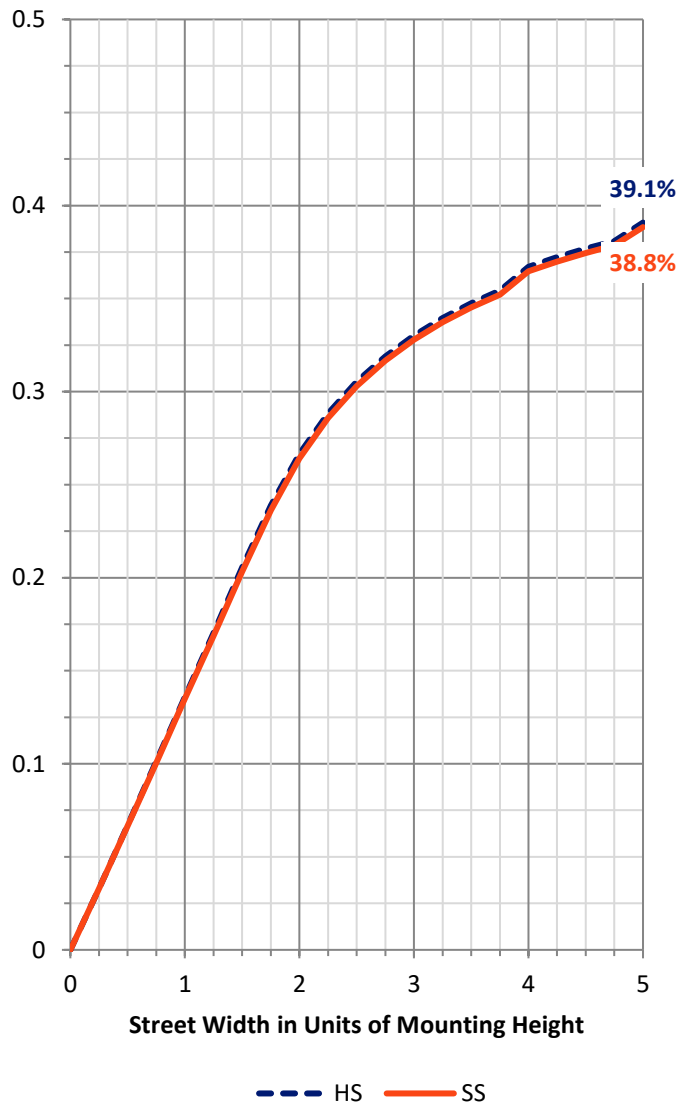
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2745.5	417.0	3162.5
	% Fixture	43.4	6.6	50.0
<b>Street Side</b>	Lumens	2745.5	417.0	3162.5
	% Fixture	43.4	6.6	50.0
<b>Total</b>	Lumens	5491.0	834.0	6325.0
	% Fixture	86.8	13.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.2	0.1
10°-20°	24.0	0.4
20°-30°	62.3	1.0
30°-40°	140.1	2.2
40°-50°	283.2	4.5
50°-60°	862.3	13.6
60°-70°	1677.7	26.5
70°-80°	1393.2	22.0
80°-90°	1043.0	16.5
90°-100°	382.0	6.0
100°-110°	143.8	2.3
110°-120°	119.9	1.9
120°-130°	84.4	1.3
130°-140°	54.7	0.9
140°-150°	31.7	0.5
150°-160°	13.7	0.2
160°-170°	3.5	0.1
170°-180°	0.3	0.0
0°-90°	5491.0	86.8
0°-180°	6325.0	100.0

**Coefficient of Utilization**



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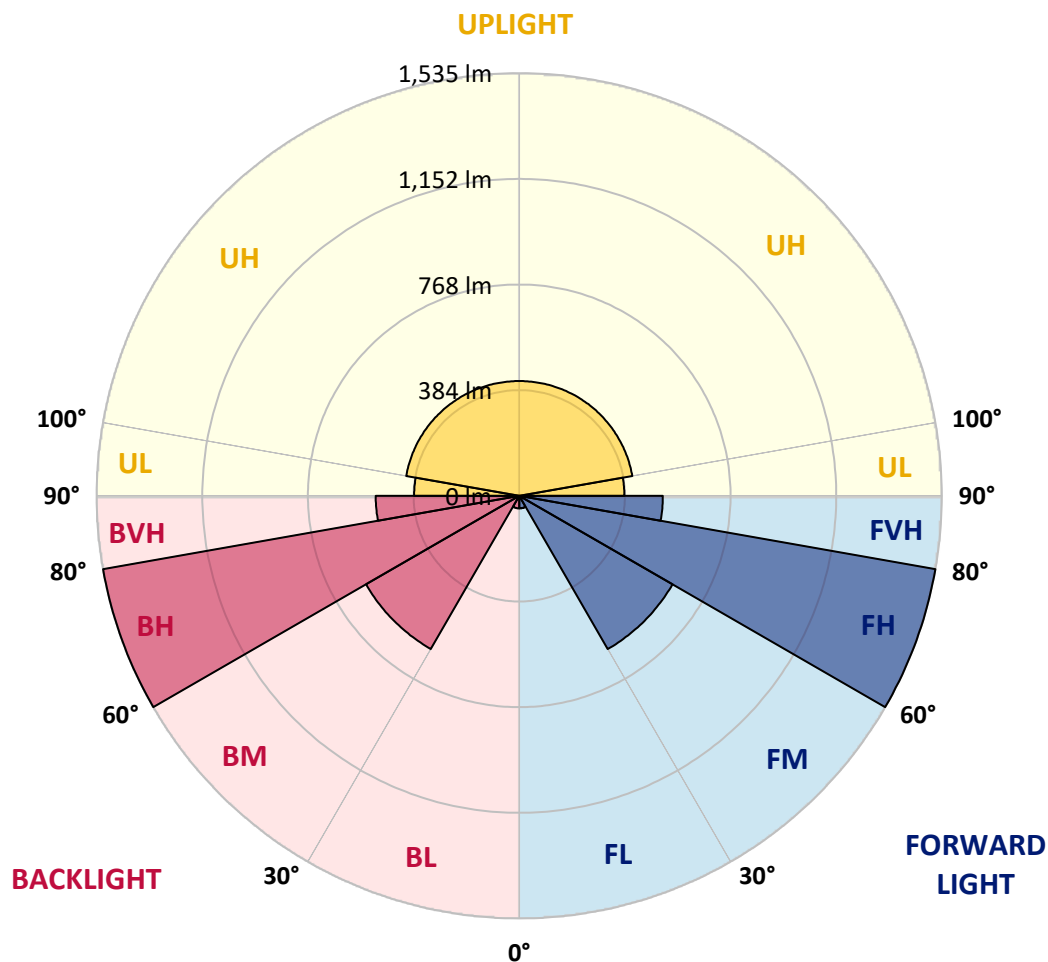
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	45.8	0.7			
FM (30°-60°)	642.8	10.2			
FH (60°-80°)	1535.4	24.3			G1/1800
FVH (80°-90°)	521.5	8.2			G4/750
BL (0°-30°)	45.8	0.7	B0/110		
BM (30°-60°)	642.8	10.2	B1/1000		
BH (60°-80°)	1535.4	24.3	B3/2500		G1/1800
BVH (80°-90°)	521.5	8.2			G4/750
UL (90°-100°)	382.0	6.0		U3/500	
UH (100°-180°)	417.0	6.6		U3/500	

**BUG Rating: B3-U3-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	42.2
2.5°	43.0
5°	48.1
7.5°	57.3
10°	65.8
12.5°	74.2
15°	82.6
17.5°	91.1
20°	101.2
22.5°	108.8
25°	124.8
27.5°	153.4
30°	182.1
32.5°	201.5
35°	209.9
37.5°	241.1
40°	283.3
42.5°	327.1
45°	369.3
47.5°	396.3
50°	440.1
52.5°	603.7
55°	895.4
57.5°	1268.0
60°	1620.5
62.5°	1816.9
65°	1768.0
67.5°	1625.5
70°	1491.5
72.5°	1378.5
75°	1312.7
77.5°	1246.1
80°	1177.8
82.5°	1104.5
85°	986.4
87.5°	829.6
90°	634.0
92.5°	451.9
95°	314.5
97.5°	227.6
100°	174.5
102.5°	145.0
105°	129.8
107.5°	121.4
110°	118.9



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	120.6
115°	123.9
117.5°	122.3
120°	113.8
122.5°	101.2
125°	91.9
127.5°	85.2
130°	80.1
132.5°	75.0
135°	70.8
137.5°	65.8
140°	59.9
142.5°	54.8
145°	50.6
147.5°	45.5
150°	38.8
152.5°	33.7
155°	28.7
157.5°	24.5
160°	19.4
162.5°	15.2
165°	11.0
167.5°	7.6
170°	5.1
172.5°	2.5
175°	1.7
177.5°	2.5
180°	2.5

(END OF REPORT)