

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: P588502

Luminaire Tested: **GAT-CA6-LED-70-730-U-55-5-X-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588502  
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-70-730-U-55-5-X-X  
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR  
Light Source: (6) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9834 lumens  
Efficiency: N/A  
Efficacy: 133.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U4 - G5

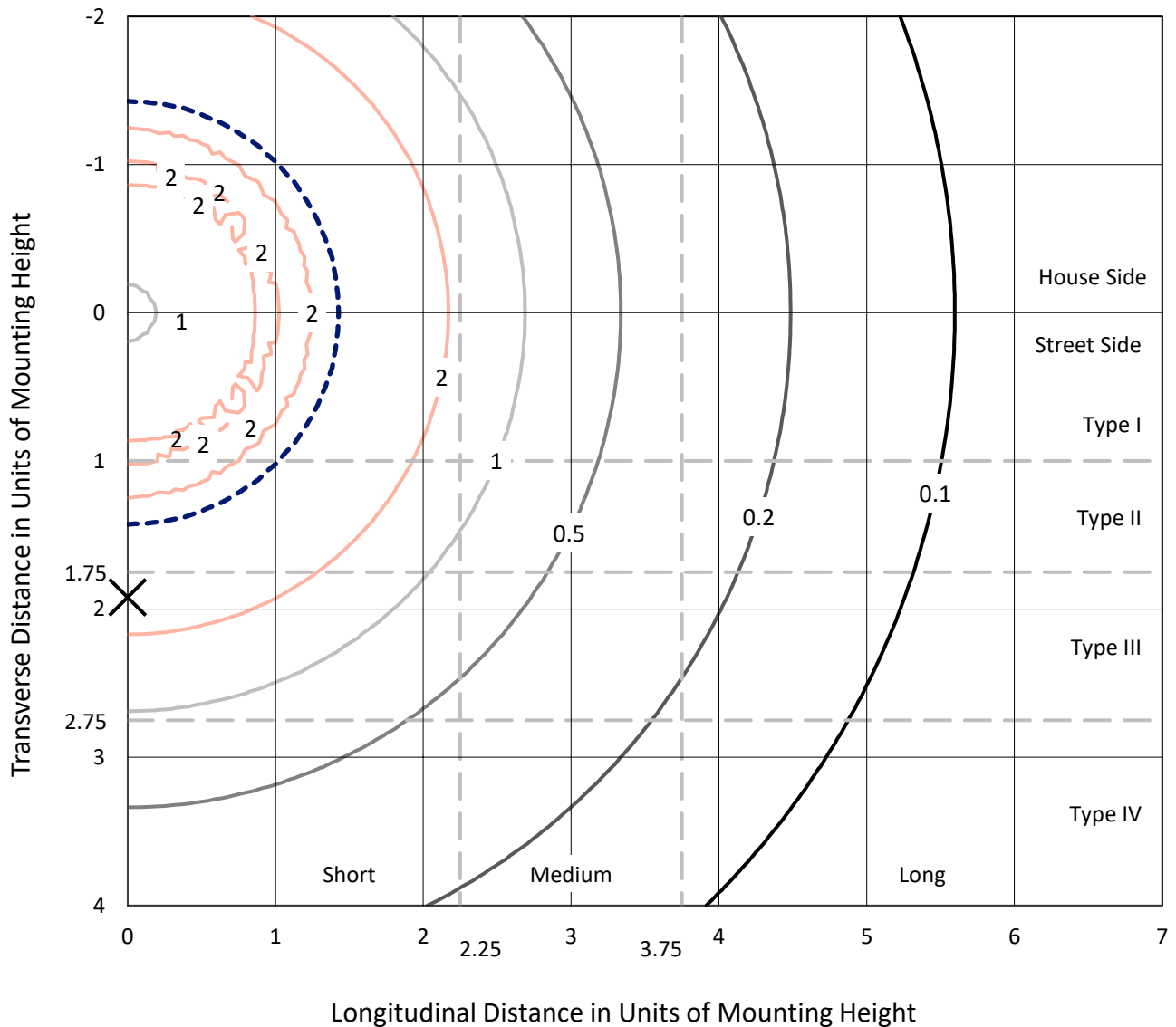
Input Watts (W): 73.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

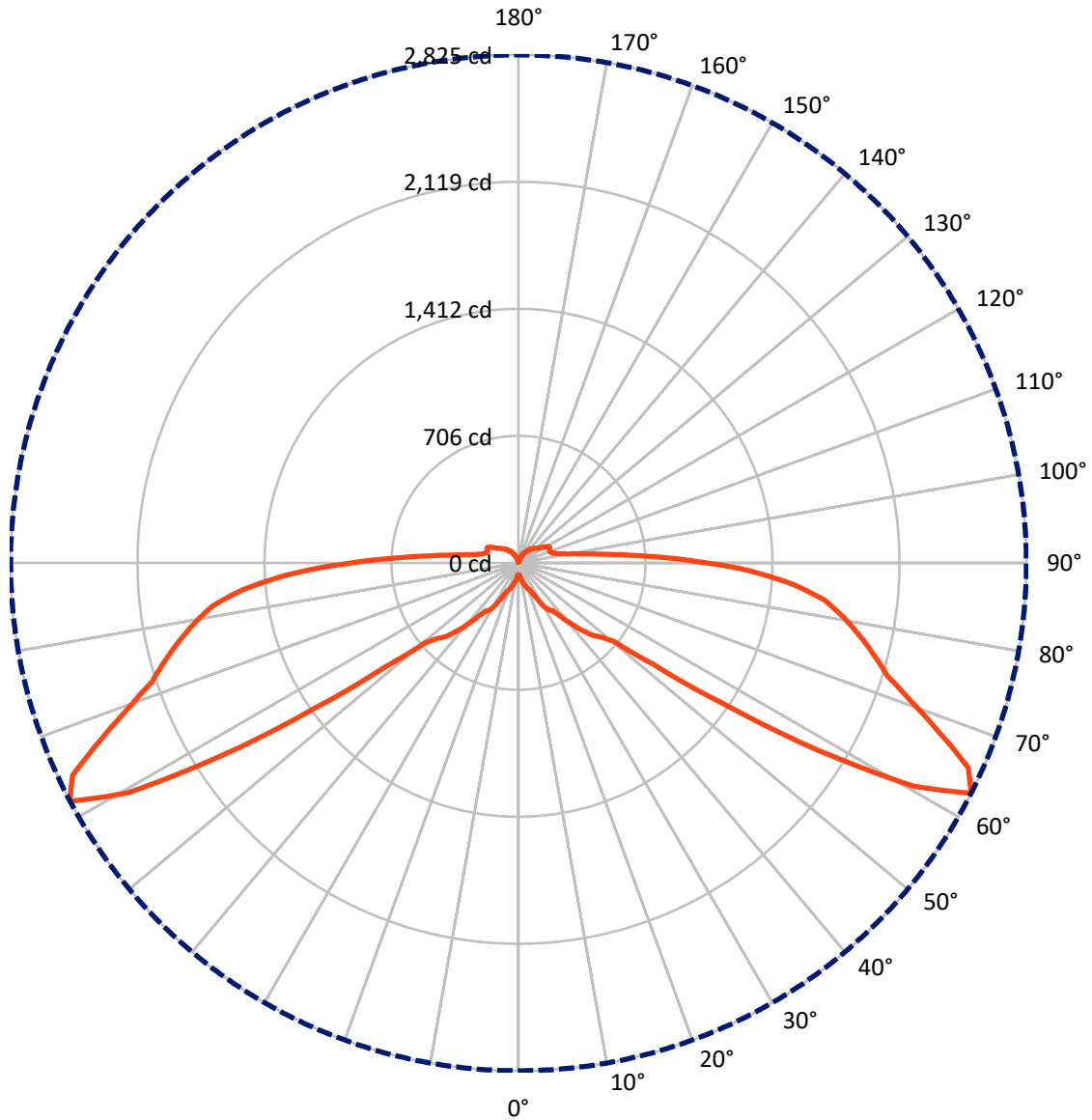
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 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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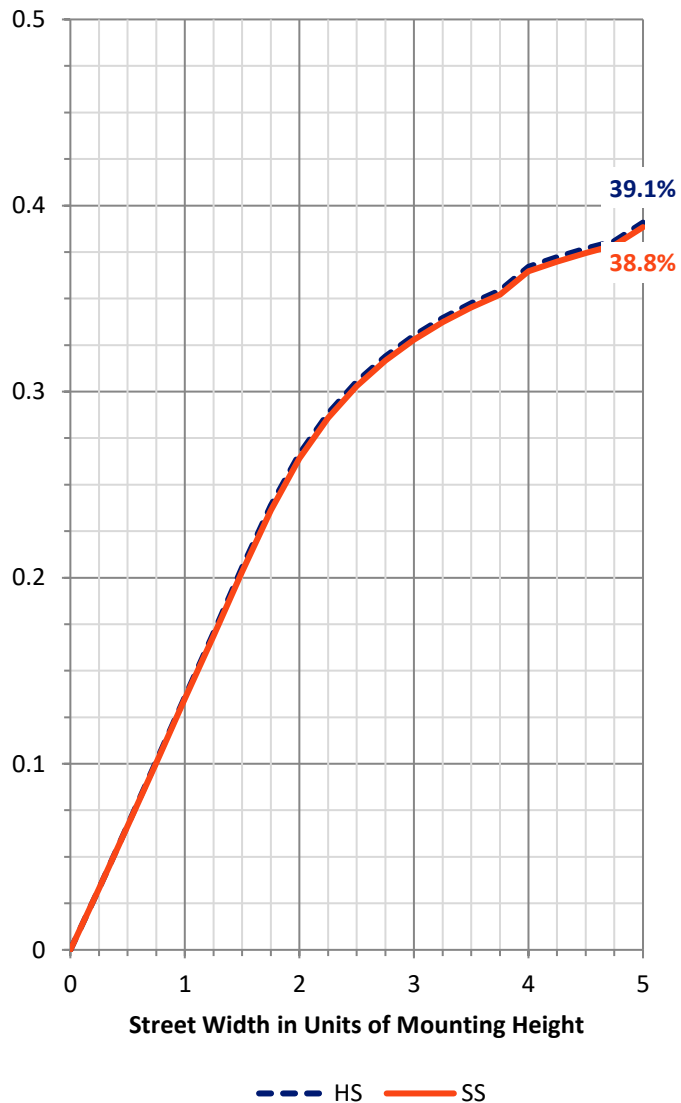
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4268.7	648.3	4917.0
	% Fixture	43.4	6.6	50.0
<b>Street Side</b>	Lumens	4268.7	648.3	4917.0
	% Fixture	43.4	6.6	50.0
<b>Total</b>	Lumens	8537.4	1296.6	9834.0
	% Fixture	86.8	13.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.1	0.1
10°-20°	37.3	0.4
20°-30°	96.9	1.0
30°-40°	217.9	2.2
40°-50°	440.3	4.5
50°-60°	1340.7	13.6
60°-70°	2608.5	26.5
70°-80°	2166.1	22.0
80°-90°	1621.7	16.5
90°-100°	593.9	6.0
100°-110°	223.6	2.3
110°-120°	186.4	1.9
120°-130°	131.3	1.3
130°-140°	85.1	0.9
140°-150°	49.3	0.5
150°-160°	21.3	0.2
160°-170°	5.4	0.1
170°-180°	0.4	0.0
0°-90°	8537.4	86.8
0°-180°	9834.0	100.0

**Coefficient of Utilization**



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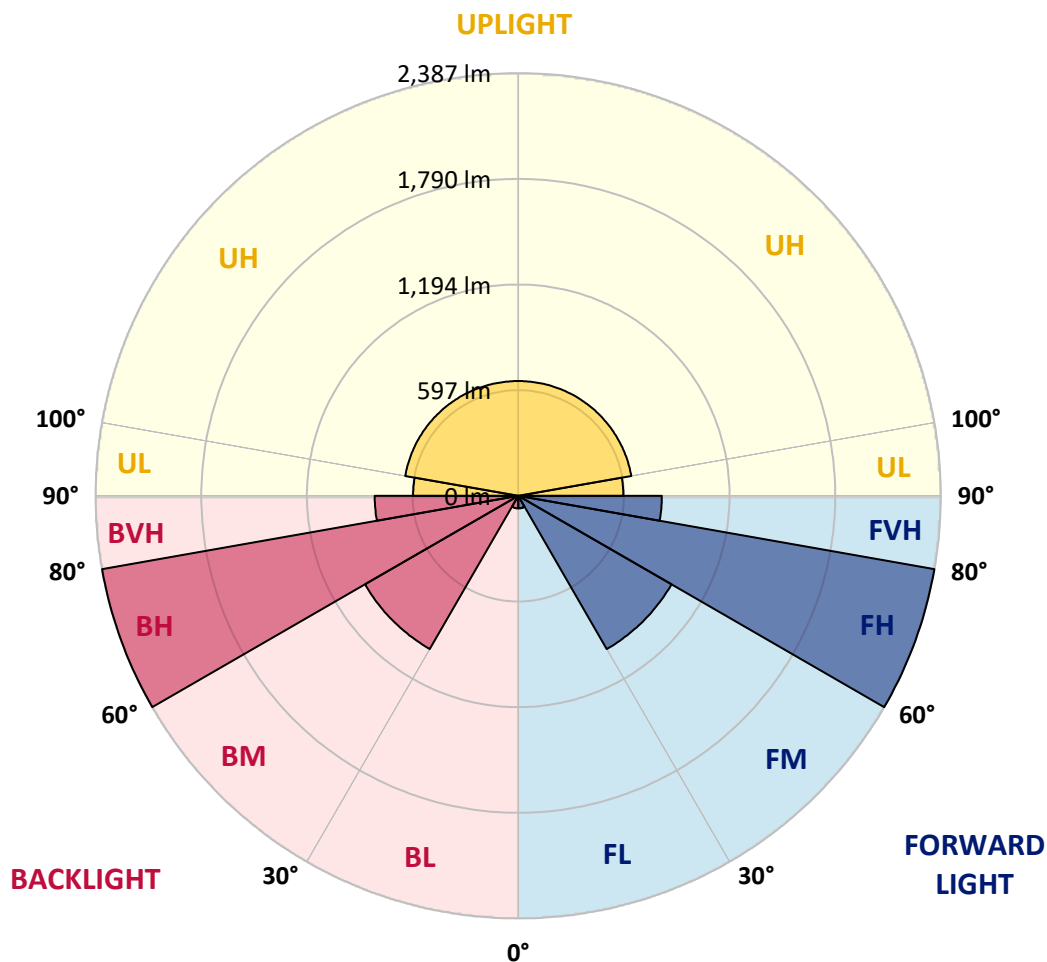
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	71.1	0.7			
FM (30°-60°)	999.4	10.2			
FH (60°-80°)	2387.3	24.3			G2/5000
FVH (80°-90°)	810.9	8.2			G5
BL (0°-30°)	71.1	0.7	B0/110		
BM (30°-60°)	999.4	10.2	B1/1000		
BH (60°-80°)	2387.3	24.3	B3/2500		G2/5000
BVH (80°-90°)	810.9	8.2			G5
UL (90°-100°)	593.9	6.0		U4/1000	
UH (100°-180°)	648.3	6.6		U4/1000	

**BUG Rating: B3-U4-G5**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	65.5
2.5°	66.9
5°	74.7
7.5°	89.1
10°	102.2
12.5°	115.4
15°	128.5
17.5°	141.6
20°	157.3
22.5°	169.1
25°	194.0
27.5°	238.6
30°	283.1
32.5°	313.3
35°	326.4
37.5°	374.9
40°	440.4
42.5°	508.6
45°	574.2
47.5°	616.1
50°	684.3
52.5°	938.6
55°	1392.1
57.5°	1971.5
60°	2519.5
62.5°	2824.9
65°	2748.9
67.5°	2527.3
70°	2318.9
72.5°	2143.2
75°	2041.0
77.5°	1937.4
80°	1831.3
82.5°	1717.2
85°	1533.7
87.5°	1289.9
90°	985.8
92.5°	702.6
95°	488.9
97.5°	353.9
100°	271.3
102.5°	225.5
105°	201.9
107.5°	188.8
110°	184.8



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	187.5
115°	192.7
117.5°	190.1
120°	177.0
122.5°	157.3
125°	142.9
127.5°	132.4
130°	124.5
132.5°	116.7
135°	110.1
137.5°	102.2
140°	93.1
142.5°	85.2
145°	78.7
147.5°	70.8
150°	60.3
152.5°	52.4
155°	44.6
157.5°	38.0
160°	30.1
162.5°	23.6
165°	17.0
167.5°	11.8
170°	7.9
172.5°	3.9
175°	2.6
177.5°	3.9
180°	3.9

(END OF REPORT)