

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: P588538

Luminaire Tested: **GAT-CA6-LED-80-760-U-55-5-X-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588538  
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-80-760-U-55-5-X-X  
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR  
Light Source: (6) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11310 lumens  
Efficiency: N/A  
Efficacy: 134.0 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

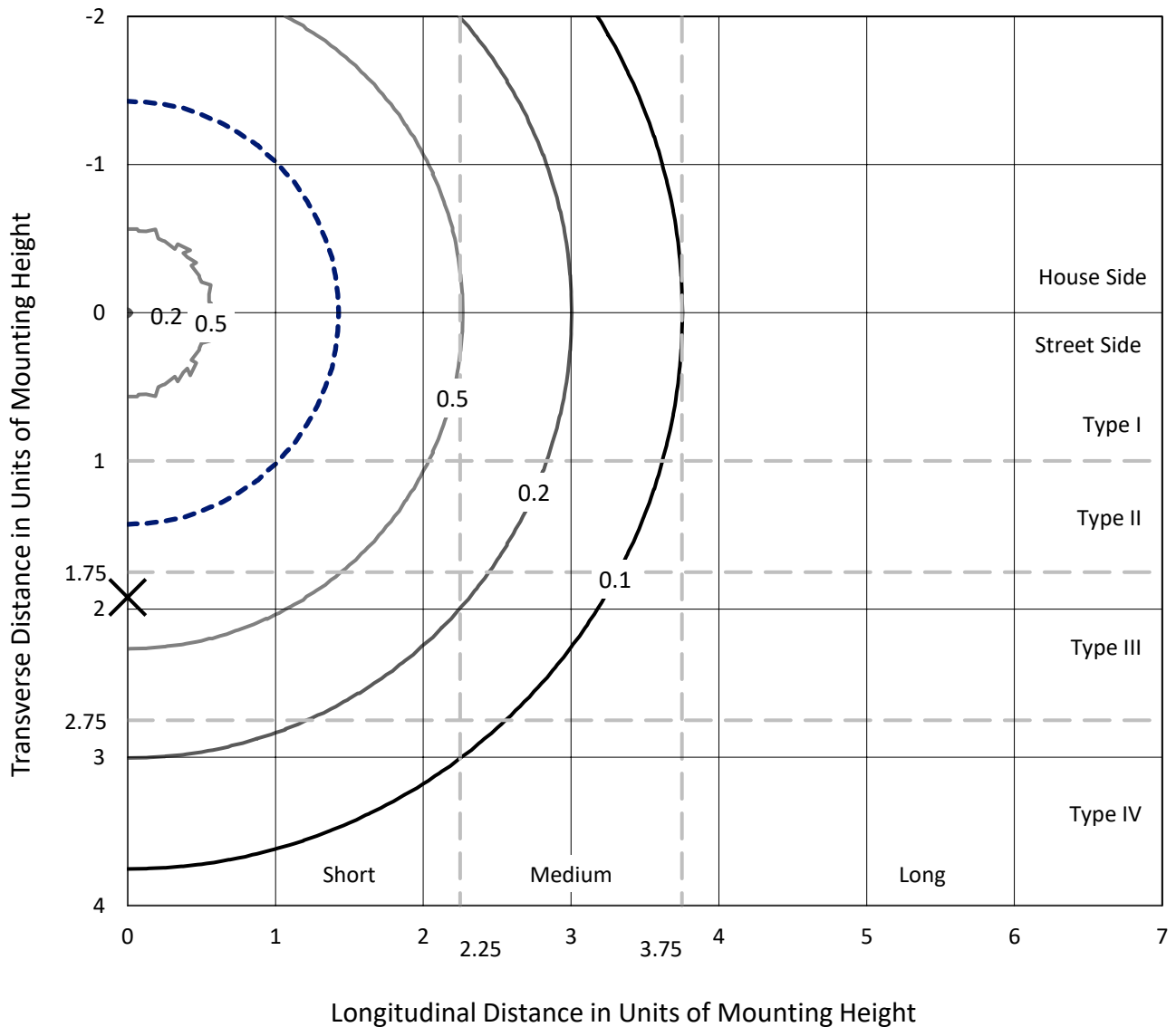
Input Watts (W): 84.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

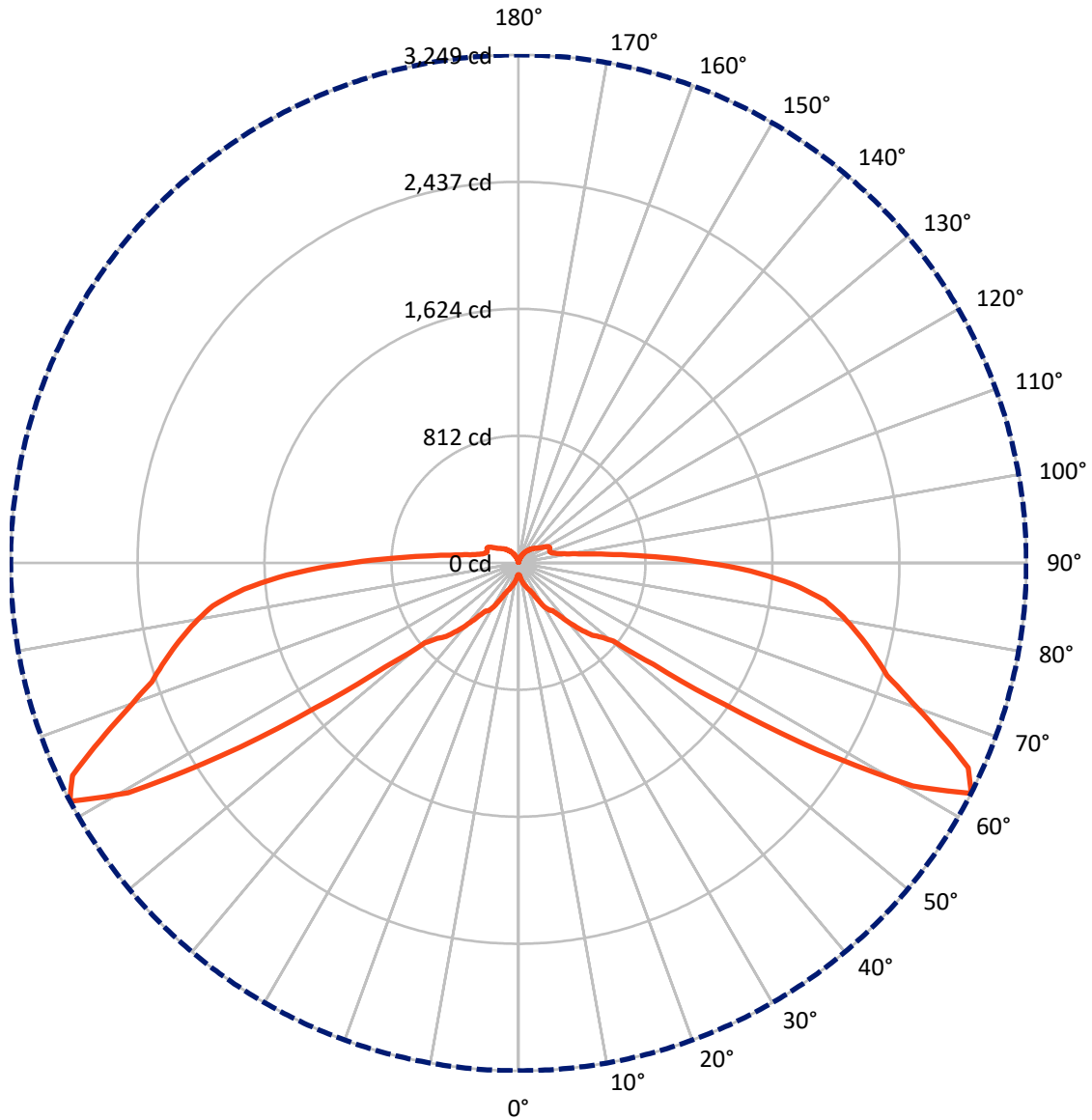
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 0.9 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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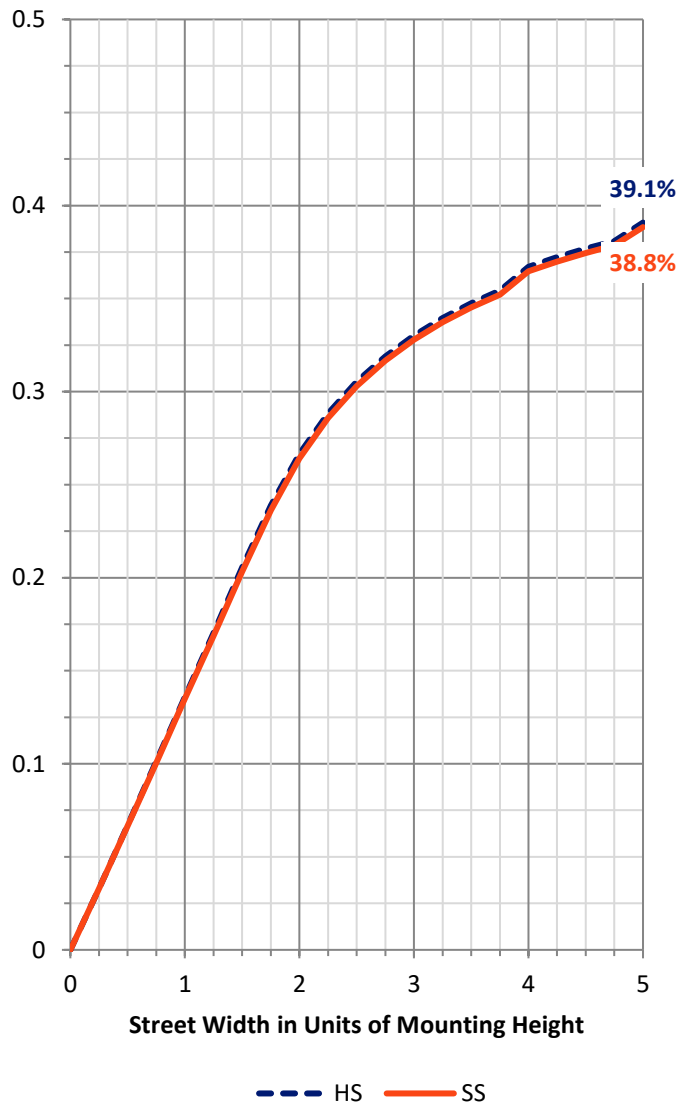
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4909.4	745.6	5655.0
	% Fixture	43.4	6.6	50.0
<b>Street Side</b>	Lumens	4909.4	745.6	5655.0
	% Fixture	43.4	6.6	50.0
<b>Total</b>	Lumens	9818.8	1491.2	11310.0
	% Fixture	86.8	13.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.3	0.1
10°-20°	42.9	0.4
20°-30°	111.4	1.0
30°-40°	250.6	2.2
40°-50°	506.3	4.5
50°-60°	1541.9	13.6
60°-70°	3000.0	26.5
70°-80°	2491.2	22.0
80°-90°	1865.1	16.5
90°-100°	683.0	6.0
100°-110°	257.1	2.3
110°-120°	214.4	1.9
120°-130°	151.0	1.3
130°-140°	97.9	0.9
140°-150°	56.7	0.5
150°-160°	24.4	0.2
160°-170°	6.2	0.1
170°-180°	0.5	0.0
0°-90°	9818.8	86.8
0°-180°	11310.0	100.0

**Coefficient of Utilization**

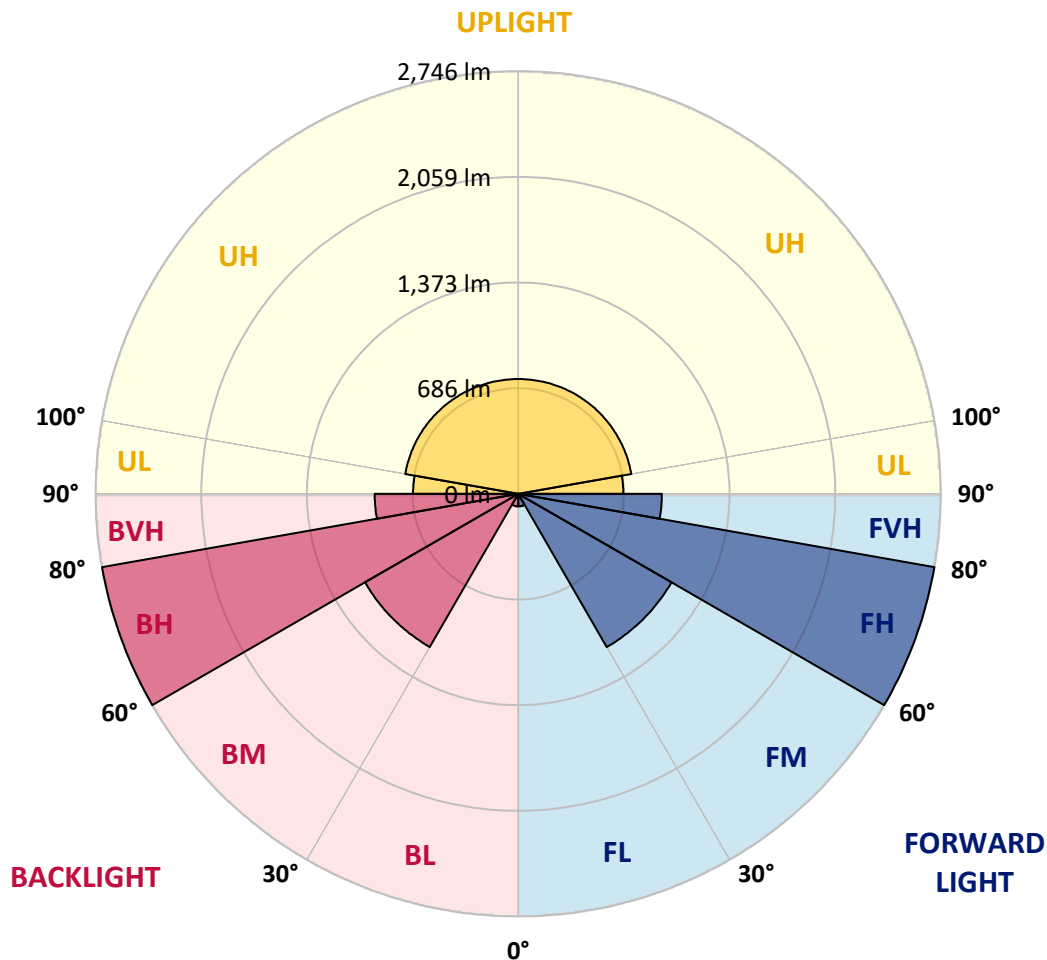


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	81.8	0.7			
FM (30°-60°)	1149.4	10.2			
FH (60°-80°)	2745.6	24.3			G2/5000
FVH (80°-90°)	932.6	8.2			G5
BL (0°-30°)	81.8	0.7	B0/110		
BM (30°-60°)	1149.4	10.2	B2/2500		
BH (60°-80°)	2745.6	24.3	B4/5000		G2/5000
BVH (80°-90°)	932.6	8.2			G5
UL (90°-100°)	683.0	6.0		U4/1000	
UH (100°-180°)	745.6	6.6		U4/1000	

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





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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	75.4
2.5°	76.9
5°	85.9
7.5°	102.5
10°	117.6
12.5°	132.7
15°	147.7
17.5°	162.8
20°	180.9
22.5°	194.5
25°	223.1
27.5°	274.4
30°	325.6
32.5°	360.3
35°	375.4
37.5°	431.2
40°	506.6
42.5°	585.0
45°	660.3
47.5°	708.6
50°	787.0
52.5°	1079.4
55°	1601.1
57.5°	2267.4
60°	2897.6
62.5°	3248.9
65°	3161.4
67.5°	2906.7
70°	2667.0
72.5°	2464.9
75°	2347.3
77.5°	2228.2
80°	2106.1
82.5°	1975.0
85°	1763.9
87.5°	1483.5
90°	1133.7
92.5°	808.1
95°	562.3
97.5°	407.1
100°	312.1
102.5°	259.3
105°	232.2
107.5°	217.1
110°	212.6



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	215.6
115°	221.6
117.5°	218.6
120°	203.5
122.5°	180.9
125°	164.3
127.5°	152.3
130°	143.2
132.5°	134.2
135°	126.6
137.5°	117.6
140°	107.0
142.5°	98.0
145°	90.5
147.5°	81.4
150°	69.3
152.5°	60.3
155°	51.3
157.5°	43.7
160°	34.7
162.5°	27.1
165°	19.6
167.5°	13.6
170°	9.0
172.5°	4.5
175°	3.0
177.5°	4.5
180°	4.5

(END OF REPORT)