

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: P588530

Luminaire Tested: **GAT-CA6-LED-80-740-U-55-5-X-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588530  
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-80-740-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: 11347 lumens  
Efficiency: N/A  
Efficacy: 134.4 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

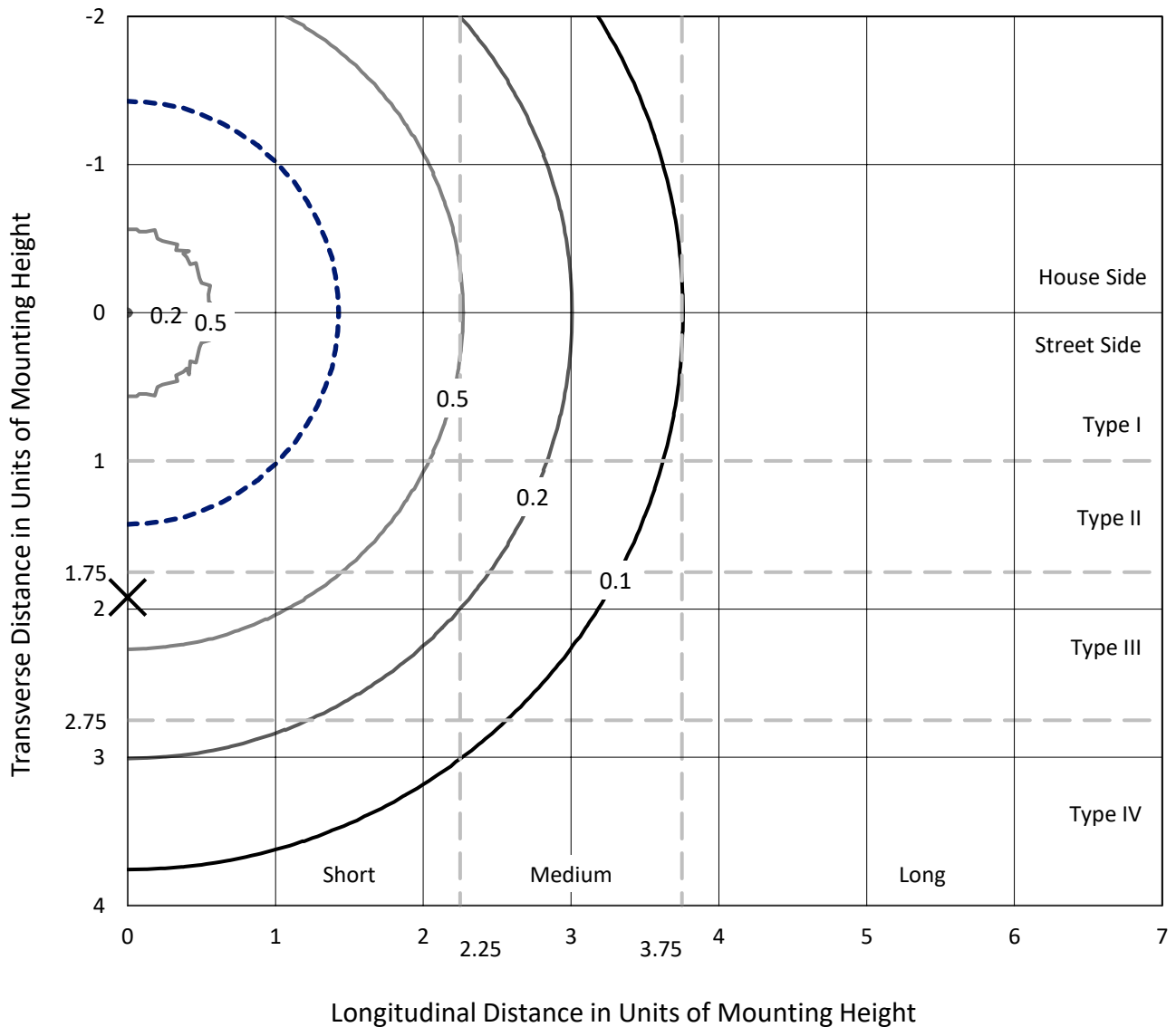


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### Iso-Footcandle Lines of Horizontal Illumination

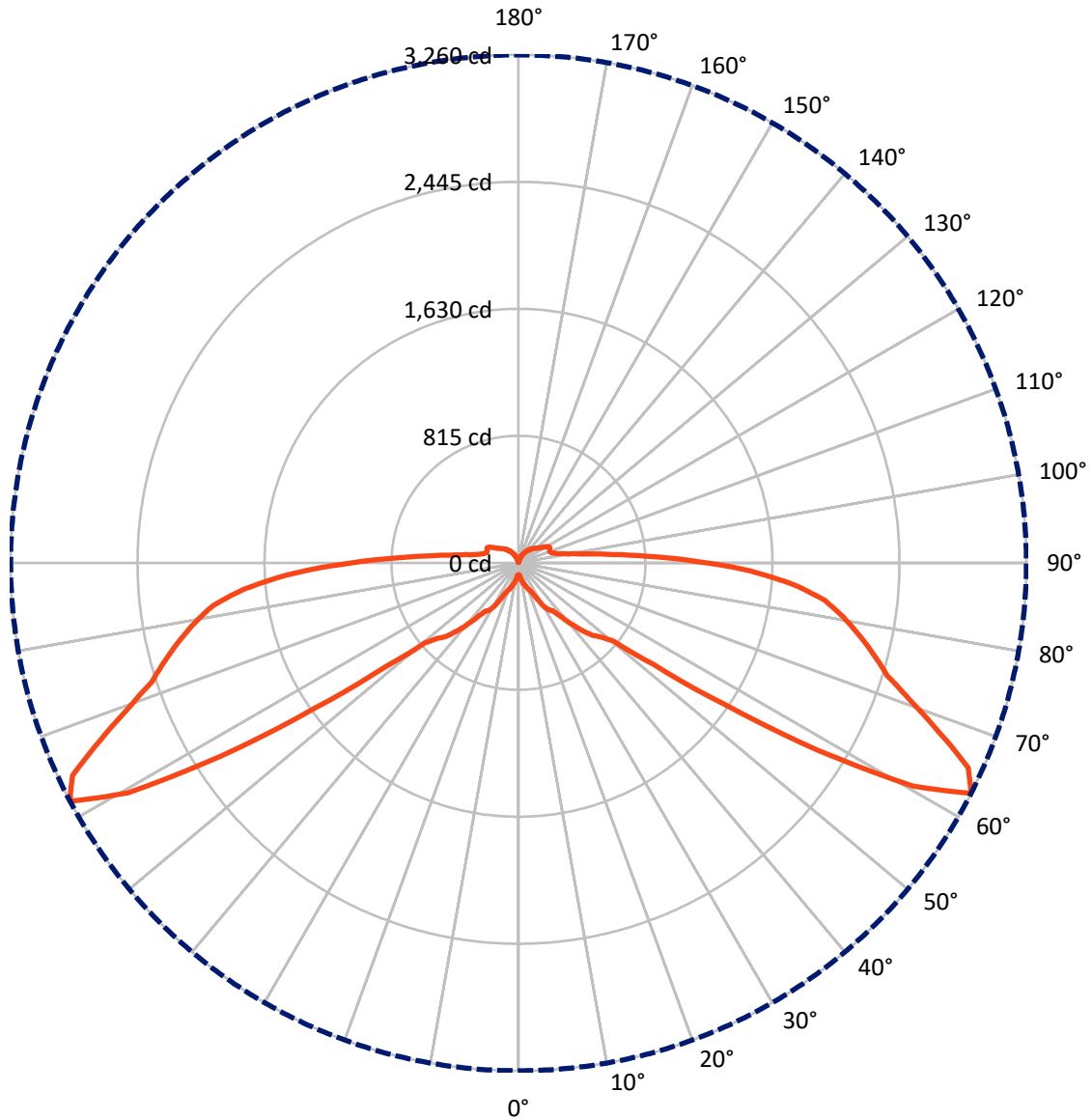
× Max cd  
- - - 1/2 Max cd



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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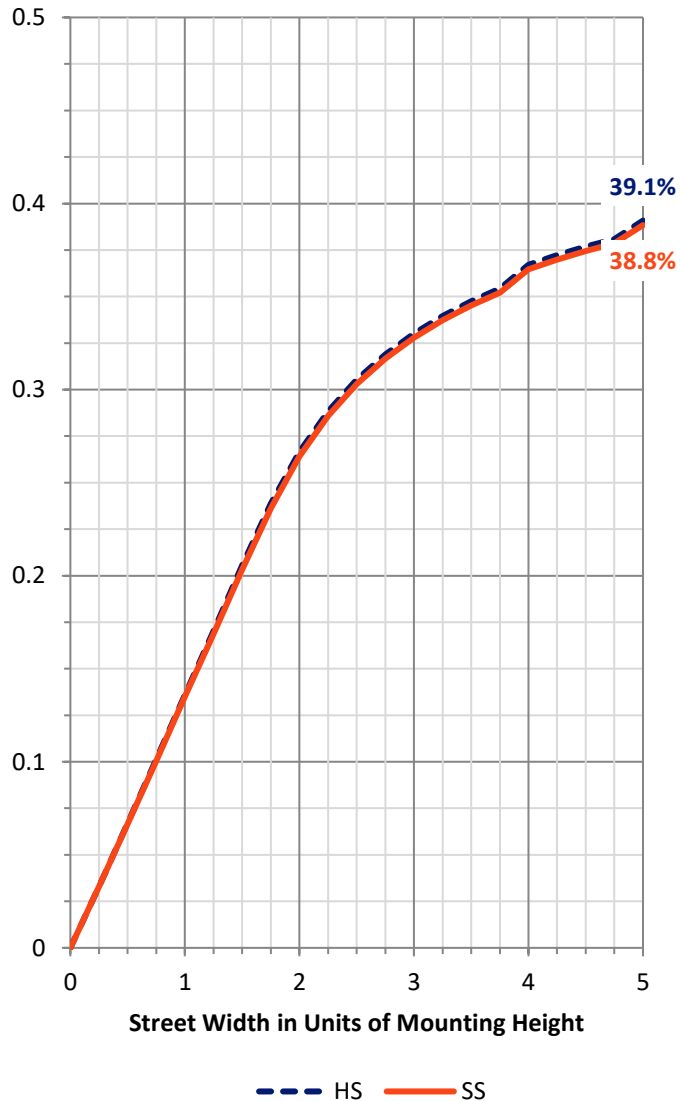
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4925.5	748.1	5673.5
	% Fixture	43.4	6.6	50.0
<b>Street Side</b>	Lumens	4925.5	748.1	5673.5
	% Fixture	43.4	6.6	50.0
<b>Total</b>	Lumens	9850.9	1496.1	11347.0
	% Fixture	86.8	13.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.3	0.1
10°-20°	43.0	0.4
20°-30°	111.8	1.0
30°-40°	251.4	2.2
40°-50°	508.0	4.5
50°-60°	1547.0	13.6
60°-70°	3009.8	26.5
70°-80°	2499.3	22.0
80°-90°	1871.2	16.5
90°-100°	685.3	6.0
100°-110°	258.0	2.3
110°-120°	215.1	1.9
120°-130°	151.5	1.3
130°-140°	98.2	0.9
140°-150°	56.9	0.5
150°-160°	24.5	0.2
160°-170°	6.2	0.1
170°-180°	0.5	0.0
0°-90°	9850.9	86.8
0°-180°	11347.0	100.0

**Coefficient of Utilization**



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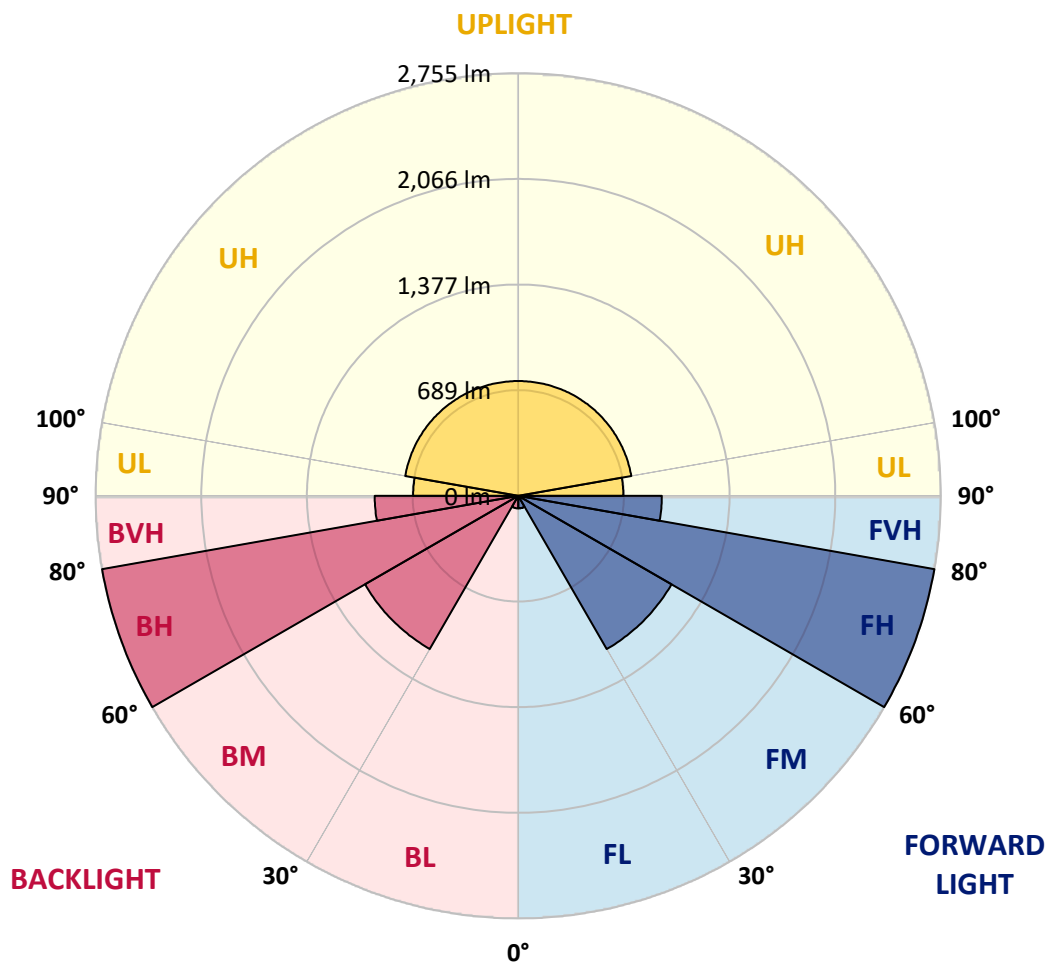
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	82.1	0.7			
FM (30°-60°)	1153.2	10.2			
FH (60°-80°)	2754.6	24.3			G2/5000
FVH (80°-90°)	935.6	8.2			G5
BL (0°-30°)	82.1	0.7	B0/110		
BM (30°-60°)	1153.2	10.2	B2/2500		
BH (60°-30°)	2754.6	24.3	B4/5000		G2/5000
BVH (80°-90°)	935.6	8.2			G5
UL (90°-100°)	685.3	6.0		U4/1000	
UH (100°-180°)	748.1	6.6		U4/1000	

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

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	75.6
2.5°	77.1
5°	86.2
7.5°	102.9
10°	118.0
12.5°	133.1
15°	148.2
17.5°	163.4
20°	181.5
22.5°	195.1
25°	223.9
27.5°	275.3
30°	326.7
32.5°	361.5
35°	376.6
37.5°	432.6
40°	508.2
42.5°	586.9
45°	662.5
47.5°	710.9
50°	789.5
52.5°	1083.0
55°	1606.3
57.5°	2274.9
60°	2907.1
62.5°	3259.5
65°	3171.8
67.5°	2916.2
70°	2675.7
72.5°	2473.0
75°	2355.0
77.5°	2235.5
80°	2113.0
82.5°	1981.4
85°	1769.7
87.5°	1488.3
90°	1137.4
92.5°	810.7
95°	564.2
97.5°	408.4
100°	313.1
102.5°	260.2
105°	232.9
107.5°	217.8
110°	213.3

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	216.3
115°	222.3
117.5°	219.3
120°	204.2
122.5°	181.5
125°	164.9
127.5°	152.8
130°	143.7
132.5°	134.6
135°	127.1
137.5°	118.0
140°	107.4
142.5°	98.3
145°	90.8
147.5°	81.7
150°	69.6
152.5°	60.5
155°	51.4
157.5°	43.9
160°	34.8
162.5°	27.2
165°	19.7
167.5°	13.6
170°	9.1
172.5°	4.5
175°	3.0
177.5°	4.5
180°	4.5

(END OF REPORT)