

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: P588410

Luminaire Tested: **GAT-CA6-LED-120-740-U-55-5-X-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588410
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-120-740-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: 15792 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U5 - G5

Input Watts (W): 119.3
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

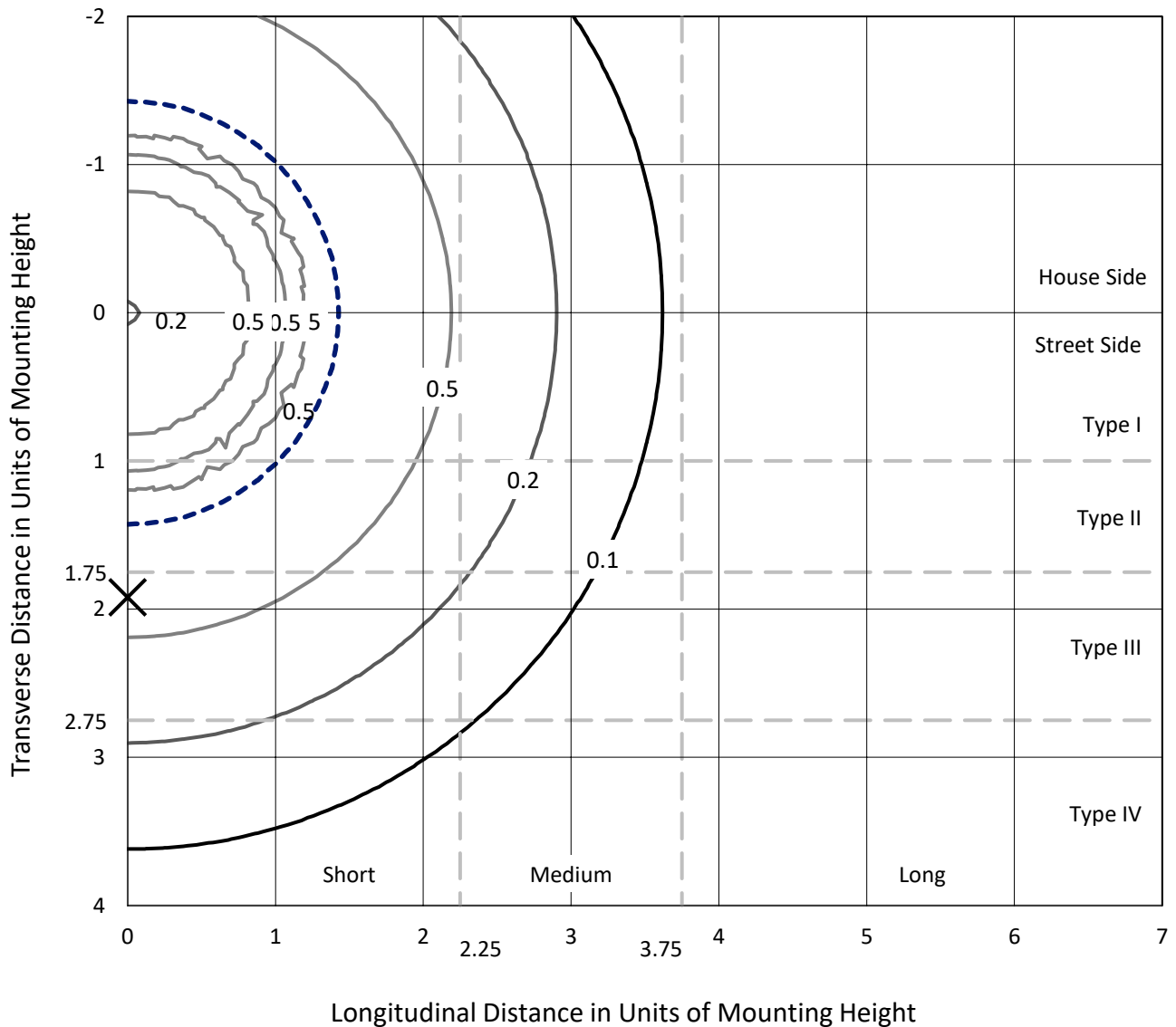


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Iso-Footcandle Lines of Horizontal Illumination

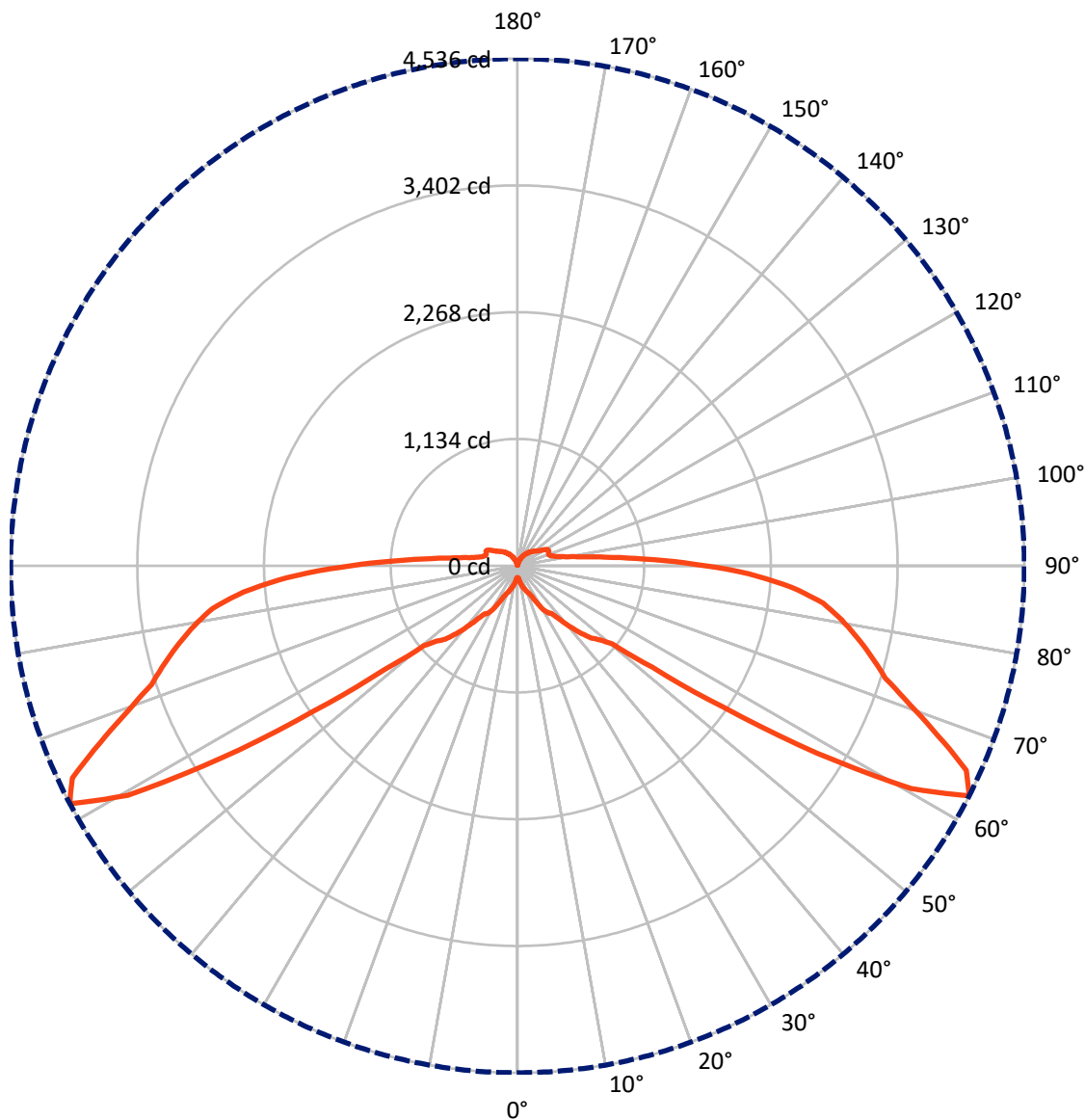
× Max cd
- - - 1/2 Max cd



Based on 25 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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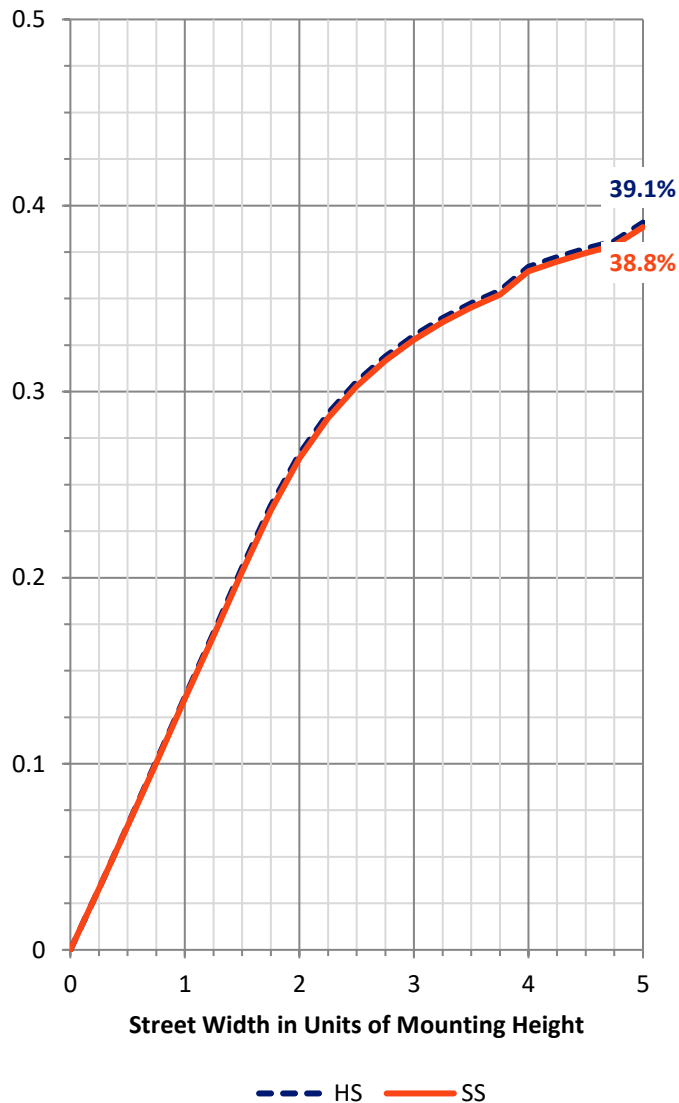
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6854.9	1041.1	7896.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	6854.9	1041.1	7896.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	13709.9	2082.1	15792.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	0.1
10°-20°	59.9	0.4
20°-30°	155.6	1.0
30°-40°	349.9	2.2
40°-50°	707.0	4.5
50°-60°	2153.0	13.6
60°-70°	4188.8	26.5
70°-80°	3478.5	22.0
80°-90°	2604.2	16.5
90°-100°	953.7	6.0
100°-110°	359.0	2.3
110°-120°	299.3	1.9
120°-130°	210.8	1.3
130°-140°	136.6	0.9
140°-150°	79.1	0.5
150°-160°	34.1	0.2
160°-170°	8.7	0.1
170°-180°	0.7	0.0
0°-90°	13709.9	86.8
0°-180°	15792.0	100.0

Coefficient of Utilization



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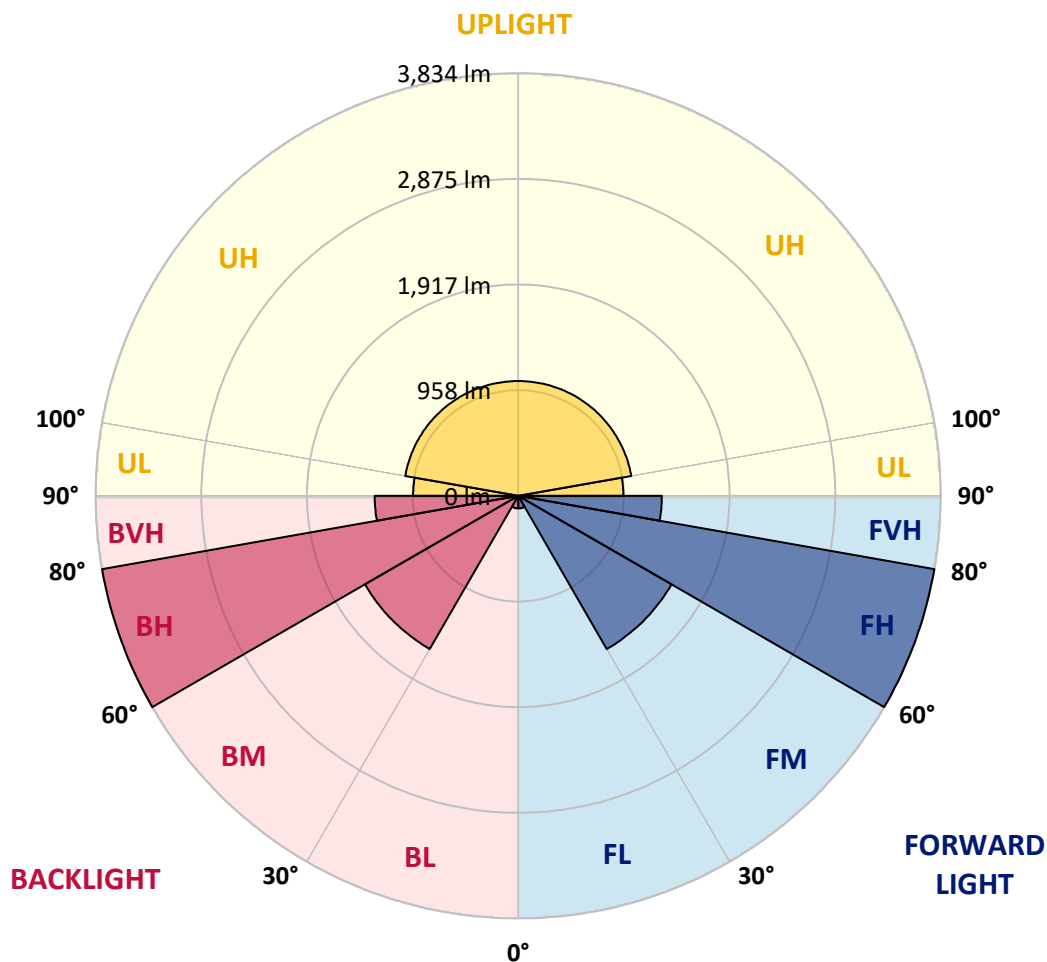
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.2	0.7			
FM (30°-60°)	1605.0	10.2			
FH (60°-80°)	3833.6	24.3			G2/5000
FVH (80°-90°)	1302.1	8.2			G5
BL (0°-30°)	114.2	0.7	B1/500		
BM (30°-60°)	1605.0	10.2	B2/2500		
BH (60°-80°)	3833.6	24.3	B4/5000		G2/5000
BVH (80°-90°)	1302.1	8.2			G5
UL (90°-100°)	953.7	6.0		U4/1000	
UH (100°-180°)	1041.1	6.6		U5	

BUG Rating: B4-U5-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	105.3
2.5°	107.4
5°	120.0
7.5°	143.1
10°	164.2
12.5°	185.2
15°	206.3
17.5°	227.3
20°	252.6
22.5°	271.6
25°	311.5
27.5°	383.1
30°	454.7
32.5°	503.1
35°	524.2
37.5°	602.0
40°	707.3
42.5°	816.8
45°	922.0
47.5°	989.4
50°	1098.8
52.5°	1507.2
55°	2235.6
57.5°	3166.0
60°	4045.9
62.5°	4536.4
65°	4414.3
67.5°	4058.5
70°	3723.8
72.5°	3441.8
75°	3277.6
77.5°	3111.3
80°	2940.8
82.5°	2757.6
85°	2462.9
87.5°	2071.4
90°	1583.0
92.5°	1128.3
95°	785.2
97.5°	568.4
100°	435.7
102.5°	362.1
105°	324.2
107.5°	303.1
110°	296.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	301.0
115°	309.4
117.5°	305.2
120°	284.2
122.5°	252.6
125°	229.5
127.5°	212.6
130°	200.0
132.5°	187.3
135°	176.8
137.5°	164.2
140°	149.5
142.5°	136.8
145°	126.3
147.5°	113.7
150°	96.8
152.5°	84.2
155°	71.6
157.5°	61.0
160°	48.4
162.5°	37.9
165°	27.4
167.5°	18.9
170°	12.6
172.5°	6.3
175°	4.2
177.5°	6.3
180°	6.3

(END OF REPORT)