

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: P14211

Luminaire Tested: **GAT-080-LED-E1-5-SPUN-CAGE-3000**

Issue Date: 6/29/2020

Test Information

Test Method: LM-79-08
Report Number: P14211
Test Lab: INNOVATION CENTER-P1
Issue Date: 6/29/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GAT-080-LED-E1-5-SPUN-CAGE-3000
Description: MCGRAW-EDISON POST TOP WITH A TYPE V SOLID TOP
REFRACTOR WITH ARCHITECTURAL CAGE
Light Source: [6] 3000K LEDS
Ballast/Driver: [2] ELECTRONIC DRIVERS

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9209.6 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.21')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U4 - G3

Input Watts (W): 101.3
Input Voltage (V): NR
Input Current (A_{in}): 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: 28.75 FT

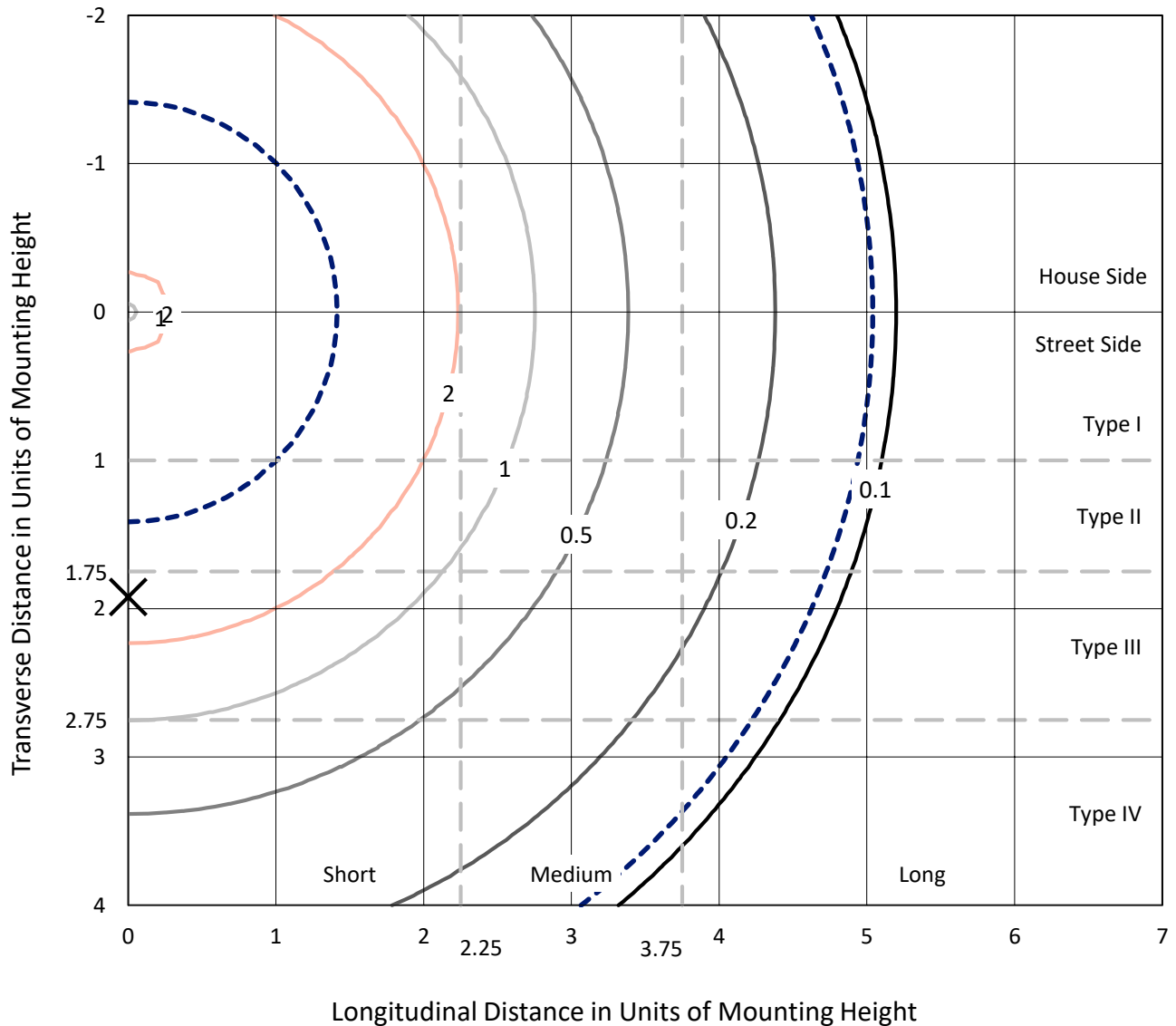


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

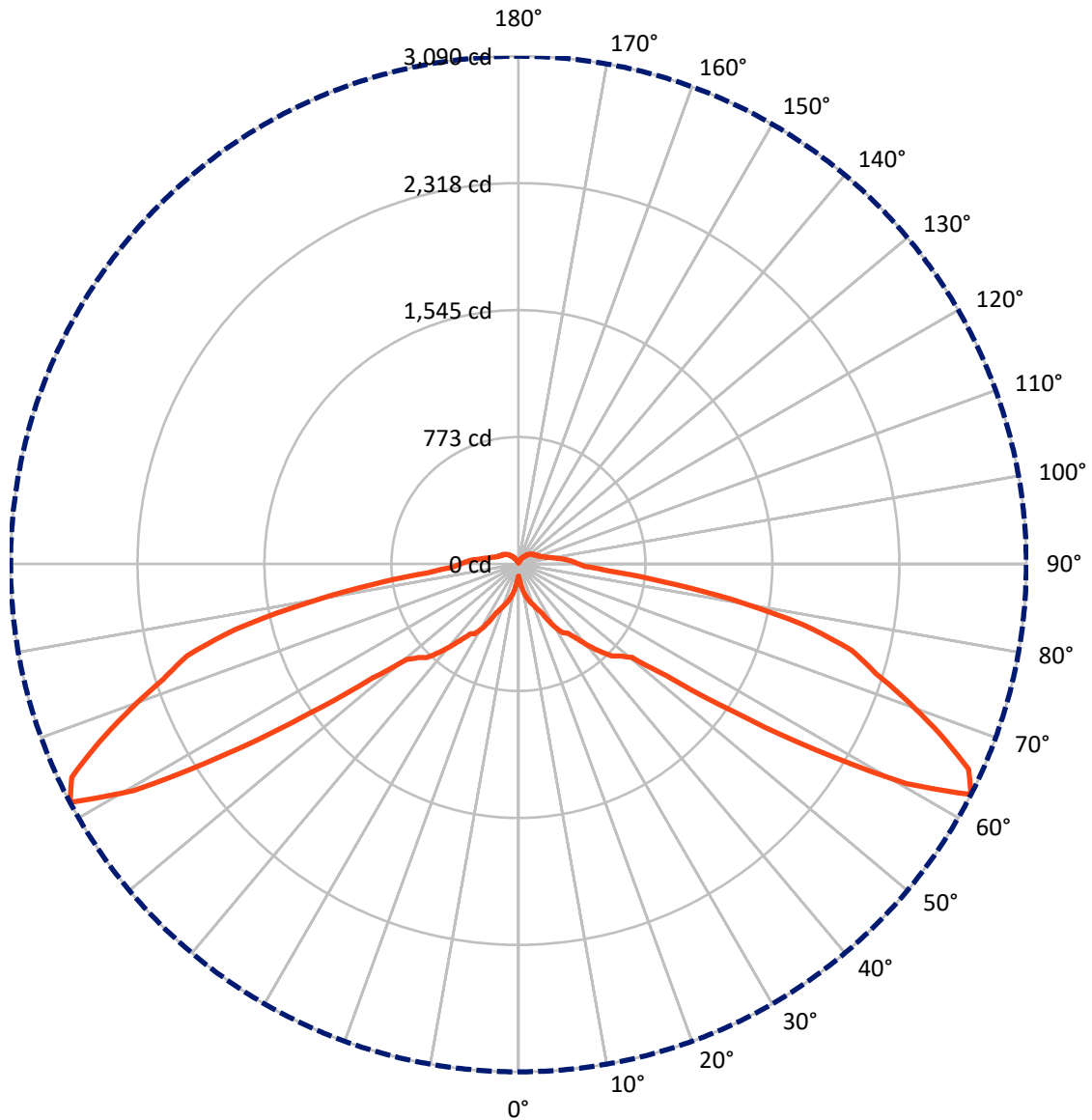


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - Semi-Cutoff

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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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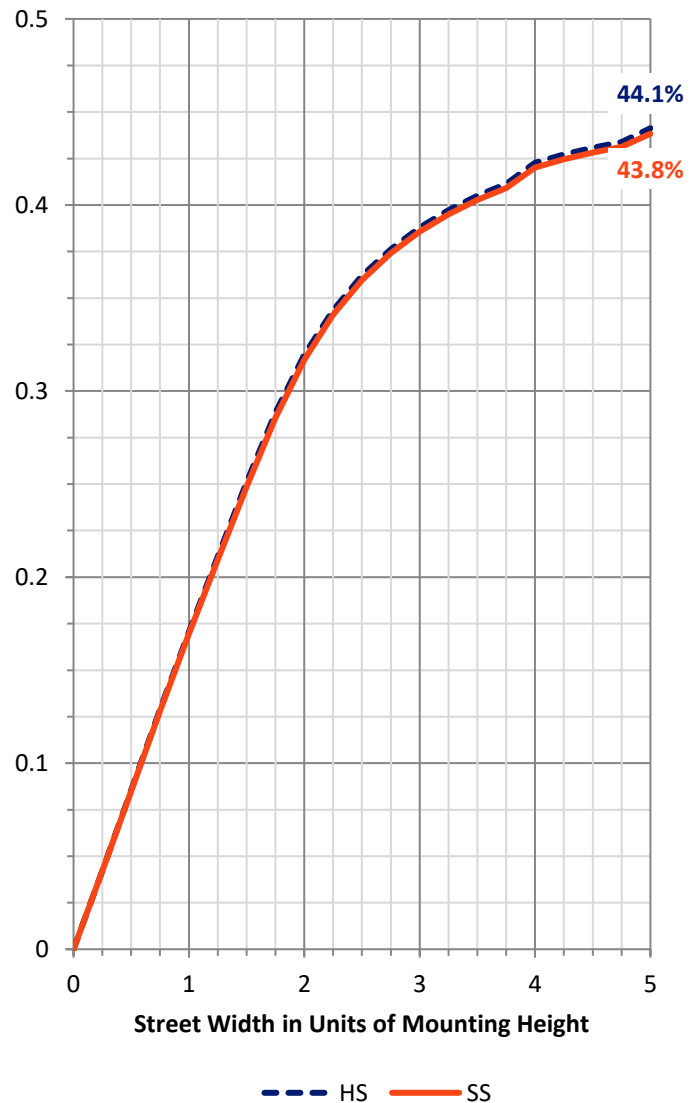
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4198.5	406.3	4604.8
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	4198.5	406.3	4604.8
	% Fixture	45.6	4.4	50.0
Total	Lumens	8397.0	812.7	9209.6
	% Fixture	91.2	8.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	0.1
10°-20°	64.6	0.7
20°-30°	162.1	1.8
30°-40°	338.1	3.7
40°-50°	608.3	6.6
50°-60°	1505.4	16.3
60°-70°	2847.8	30.9
70°-80°	2125.9	23.1
80°-90°	732.1	7.9
90°-100°	311.0	3.4
100°-110°	175.6	1.9
110°-120°	121.7	1.3
120°-130°	93.0	1.0
130°-140°	60.5	0.7
140°-150°	31.8	0.3
150°-160°	13.4	0.1
160°-170°	4.9	0.1
170°-180°	0.9	0.0
0°-90°	8397.0	91.2
0°-180°	9209.6	100.0

Coefficient of Utilization



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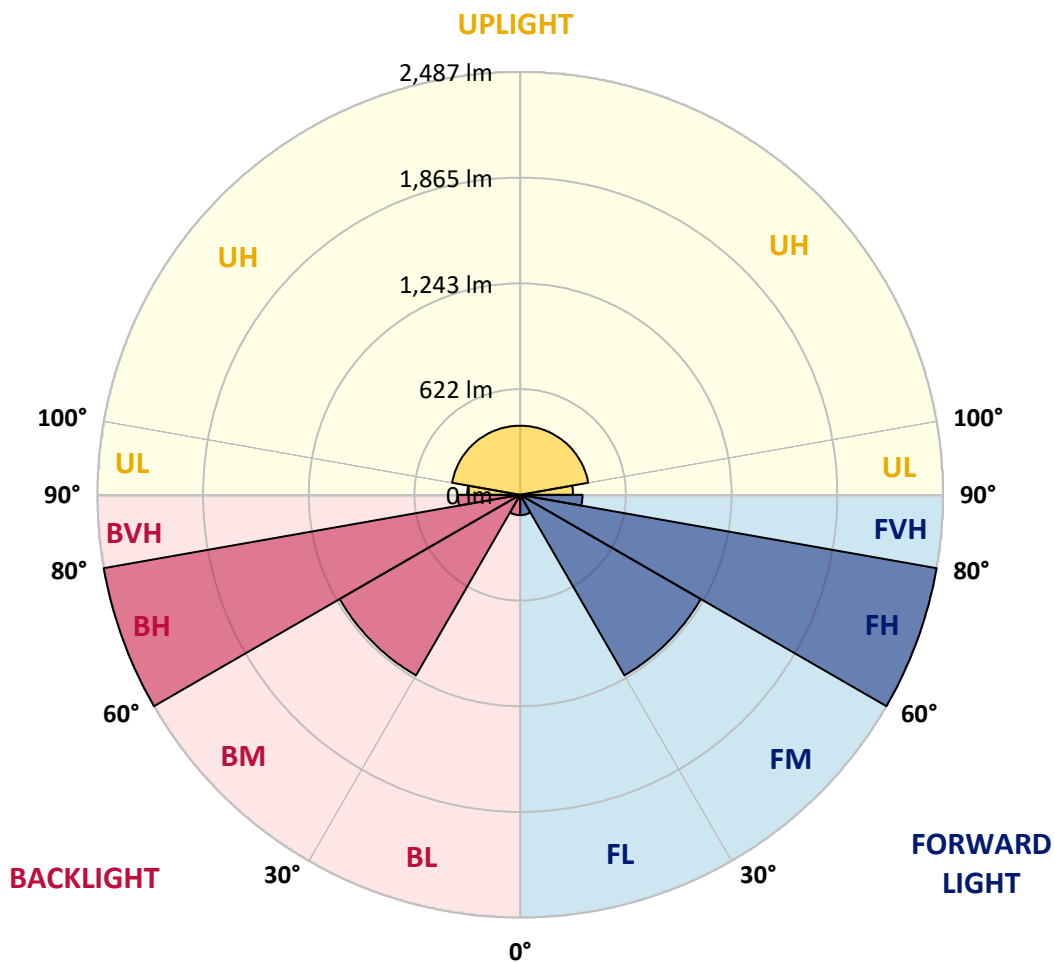
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	119.6	1.3			
FM (30°-60°)	1225.9	13.3			
FH (60°-80°)	2486.9	27.0			G2/5000
FVH (80°-90°)	366.1	4.0			G3/500
BL (0°-30°)	119.6	1.3	B1/500		
BM (30°-60°)	1225.9	13.3	B2/2500		
BH (60°-80°)	2486.9	27.0	B3/2500		G2/5000
BVH (80°-90°)	366.1	4.0			G3/500
UL (90°-100°)	311.0	3.4		U3/500	
UH (100°-180°)	406.3	4.4		U3/500	

BUG Rating: B3-U4-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	72.7
2.5°	89.2
5°	113.6
7.5°	139.2
10°	171.0
12.5°	198.3
15°	224.0
17.5°	248.2
20°	270.8
22.5°	298.1
25°	328.4
27.5°	391.9
30°	451.0
32.5°	499.4
35°	516.0
37.5°	573.6
40°	649.3
42.5°	724.9
45°	797.5
47.5°	835.4
50°	892.8
52.5°	1125.9
55°	1576.8
57.5°	2133.8
60°	2713.3
62.5°	3090.2
65°	3010.0
67.5°	2769.3
70°	2518.2
72.5°	2272.9
75°	2092.9
77.5°	1767.5
80°	1324.1
82.5°	889.8
85°	555.4
87.5°	402.5
90°	358.6
92.5°	325.4
95°	289.1
97.5°	240.6
100°	210.3
102.5°	180.0
105°	163.5
107.5°	146.8
110°	134.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	128.7
115°	121.1
117.5°	118.1
120°	108.9
122.5°	110.4
125°	104.4
127.5°	98.4
130°	92.4
132.5°	84.7
135°	78.6
137.5°	69.6
140°	63.5
142.5°	54.4
145°	51.5
147.5°	43.8
150°	37.9
152.5°	34.8
155°	27.3
157.5°	22.8
160°	19.7
162.5°	18.1
165°	16.7
167.5°	16.7
170°	12.2
172.5°	7.6
175°	9.0
177.5°	9.0
180°	9.0

(END OF REPORT)