

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: P510464

Luminaire Tested: **CTN-CA10-310-722-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510464
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-151-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: CTN-CA10-310-722-U-T5R
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (10) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42261.1 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

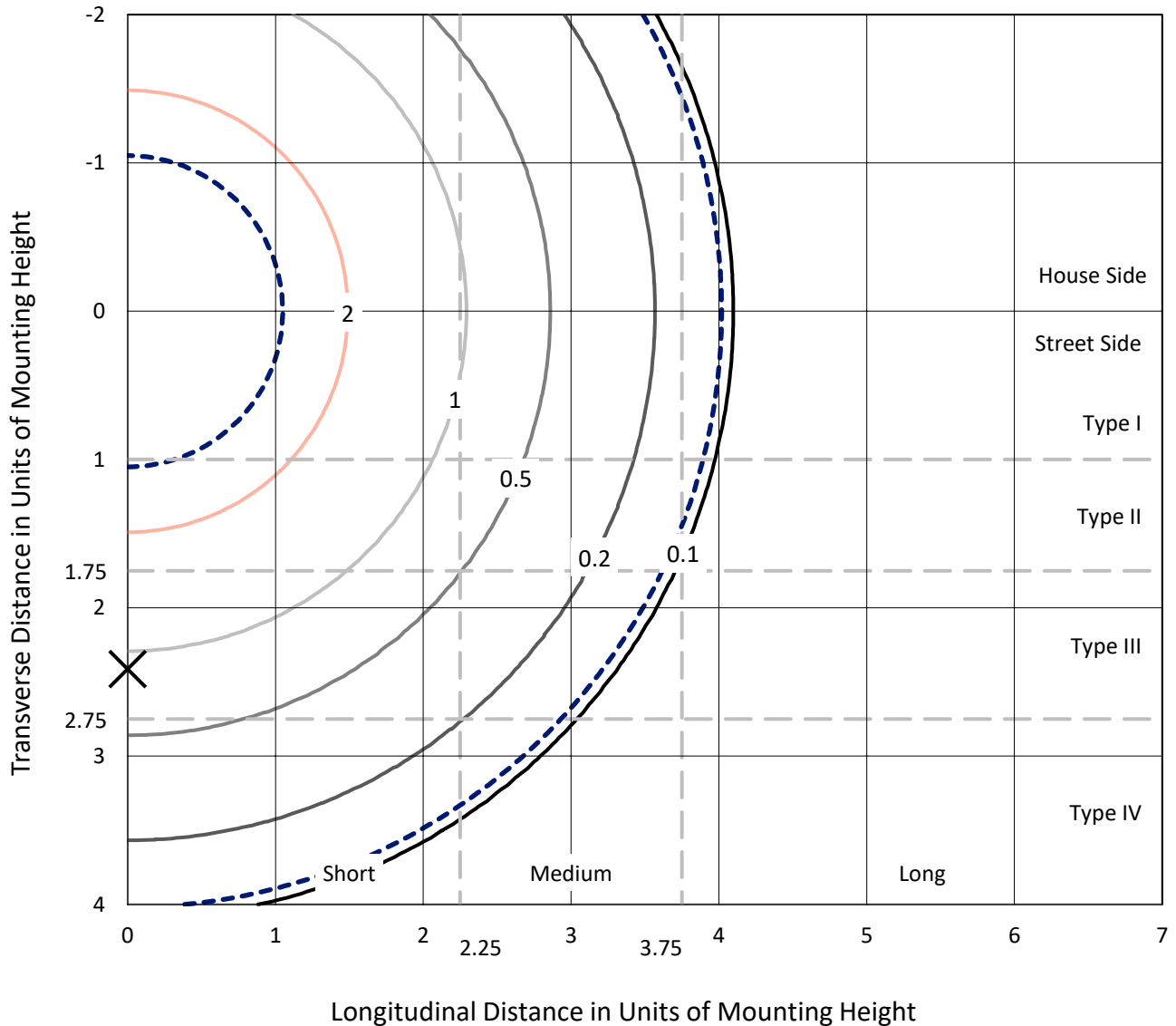
Input Watts (W): 312.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

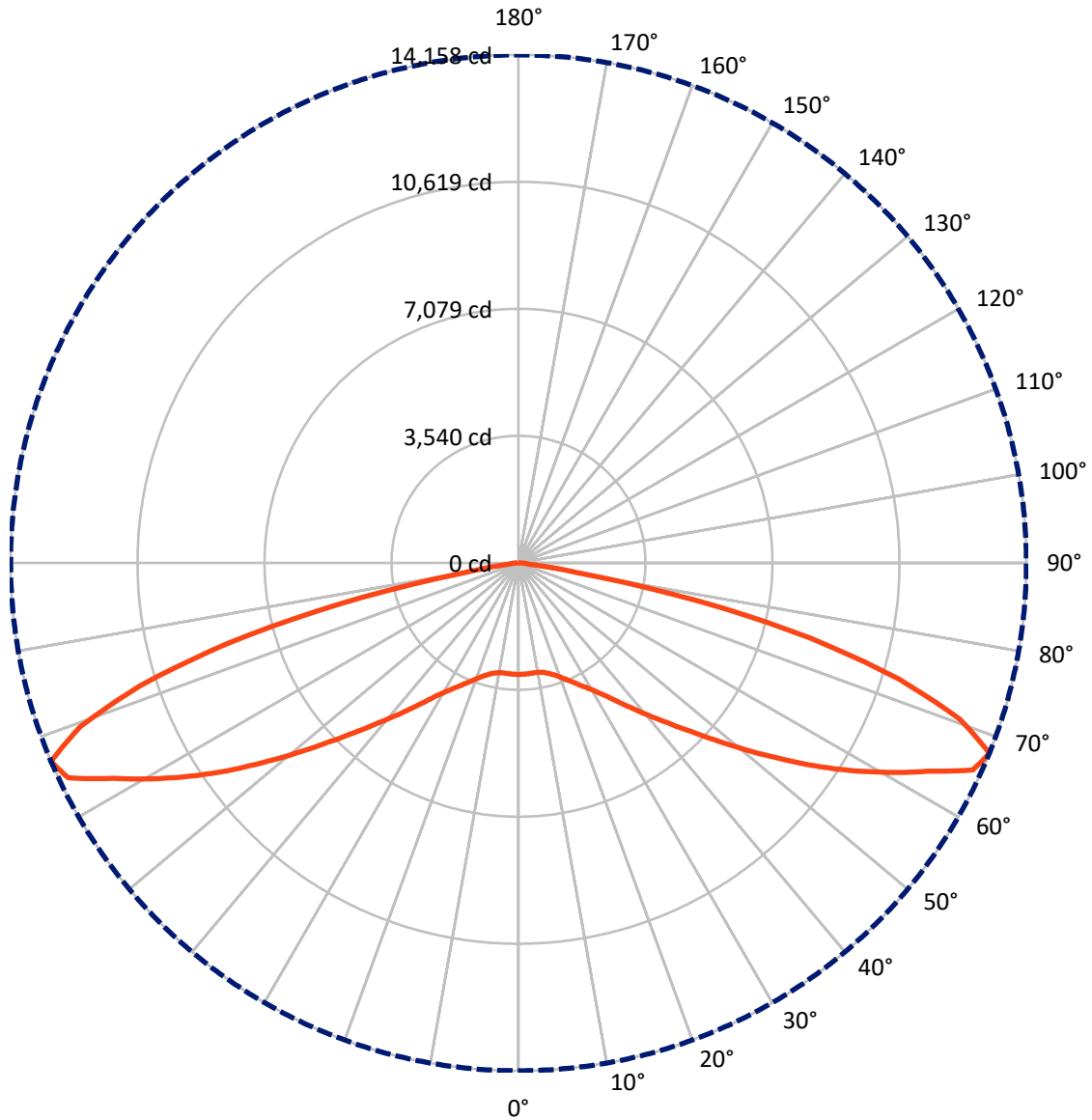
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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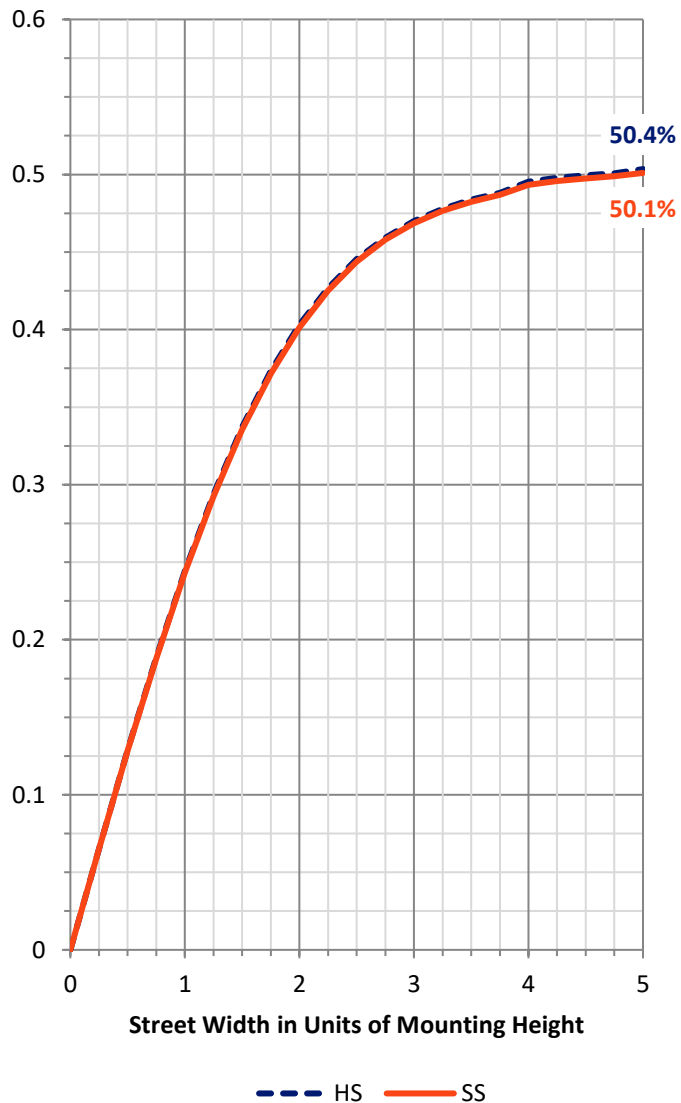
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21130.5	0.0	21130.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21130.5	0.0	21130.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42261.1	0.0	42261.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.1	0.7
10°-20°	917.7	2.2
20°-30°	1741.5	4.1
30°-40°	3024.8	7.2
40°-50°	5264.9	12.5
50°-60°	8994.5	21.3
60°-70°	13246.1	31.3
70°-80°	8420.3	19.9
80°-90°	355.2	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	42261.1	100.0
0°-180°	42261.1	100.0

Coefficient of Utilization



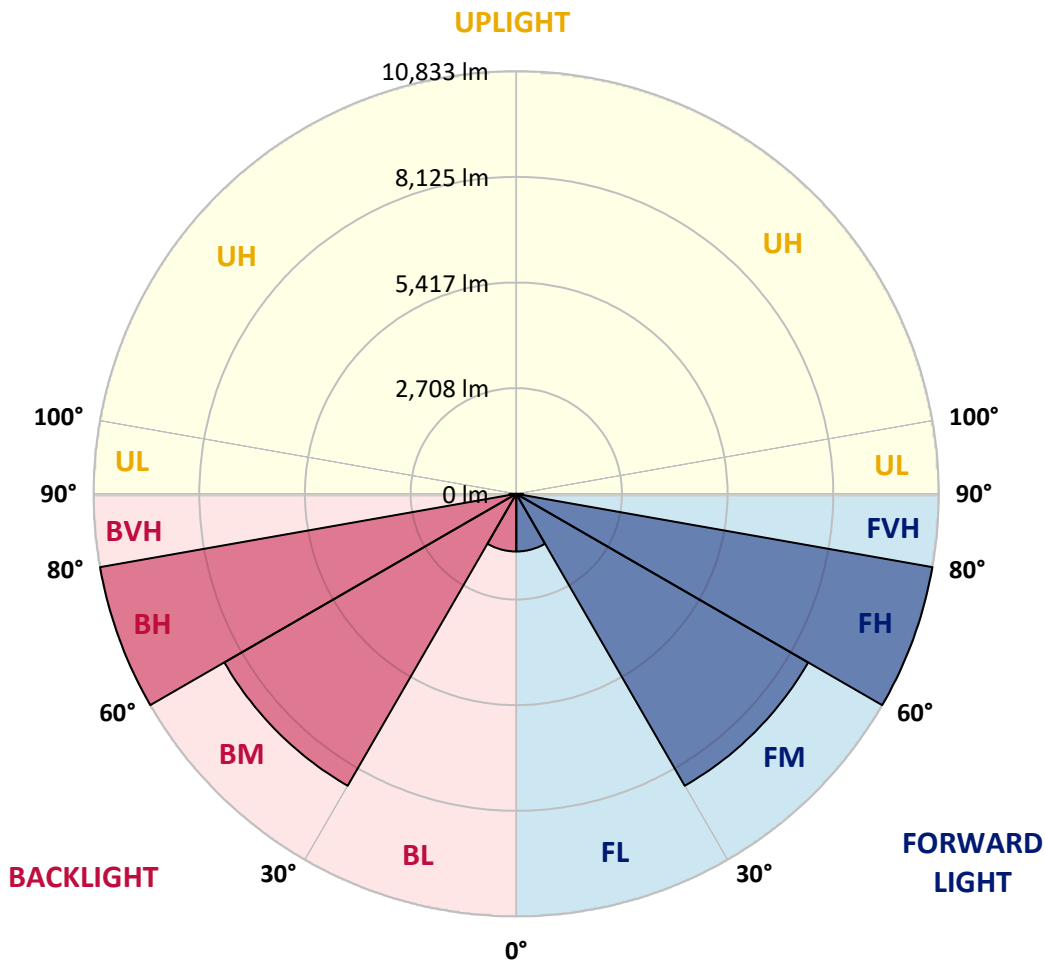
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1477.7	3.5			
FM (30°-60°)	8642.1	20.4			
FH (60°-80°)	10833.2	25.6			G4/12000
FVH (80°-90°)	177.6	0.4			G2/225
BL (0°-30°)	1477.7	3.5	B3/2500		
BM (30°-60°)	8642.1	20.4	B5		
BH (60°-80°)	10833.2	25.6	B5		G4/12000
BVH (80°-90°)	177.6	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	3108.5
2.5°	3109.3
5°	3103.2
7.5°	3098.0
10°	3103.3
12.5°	3136.6
15°	3200.9
17.5°	3290.9
20°	3413.1
22.5°	3557.3
25°	3727.2
27.5°	3911.4
30°	4128.0
32.5°	4394.2
35°	4743.8
37.5°	5146.1
40°	5593.2
42.5°	6095.7
45°	6692.1
47.5°	7379.9
50°	8176.5
52.5°	9036.9
55°	9980.8
57.5°	10923.4
60°	11860.8
62.5°	12801.0
65°	13920.3
67.5°	14158.0
70°	13043.7
72.5°	11094.3
75°	8423.1
77.5°	5149.6
80°	1634.5
82.5°	277.5
85°	156.8
87.5°	56.8
90°	0.0

(END OF REPORT)