

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: P510434

Luminaire Tested: **CTN-CA10-210-740-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510434
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-CA10-210-740-U-T5R
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (10) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37352 lumens
Efficiency: N/A
Efficacy: 175.4 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

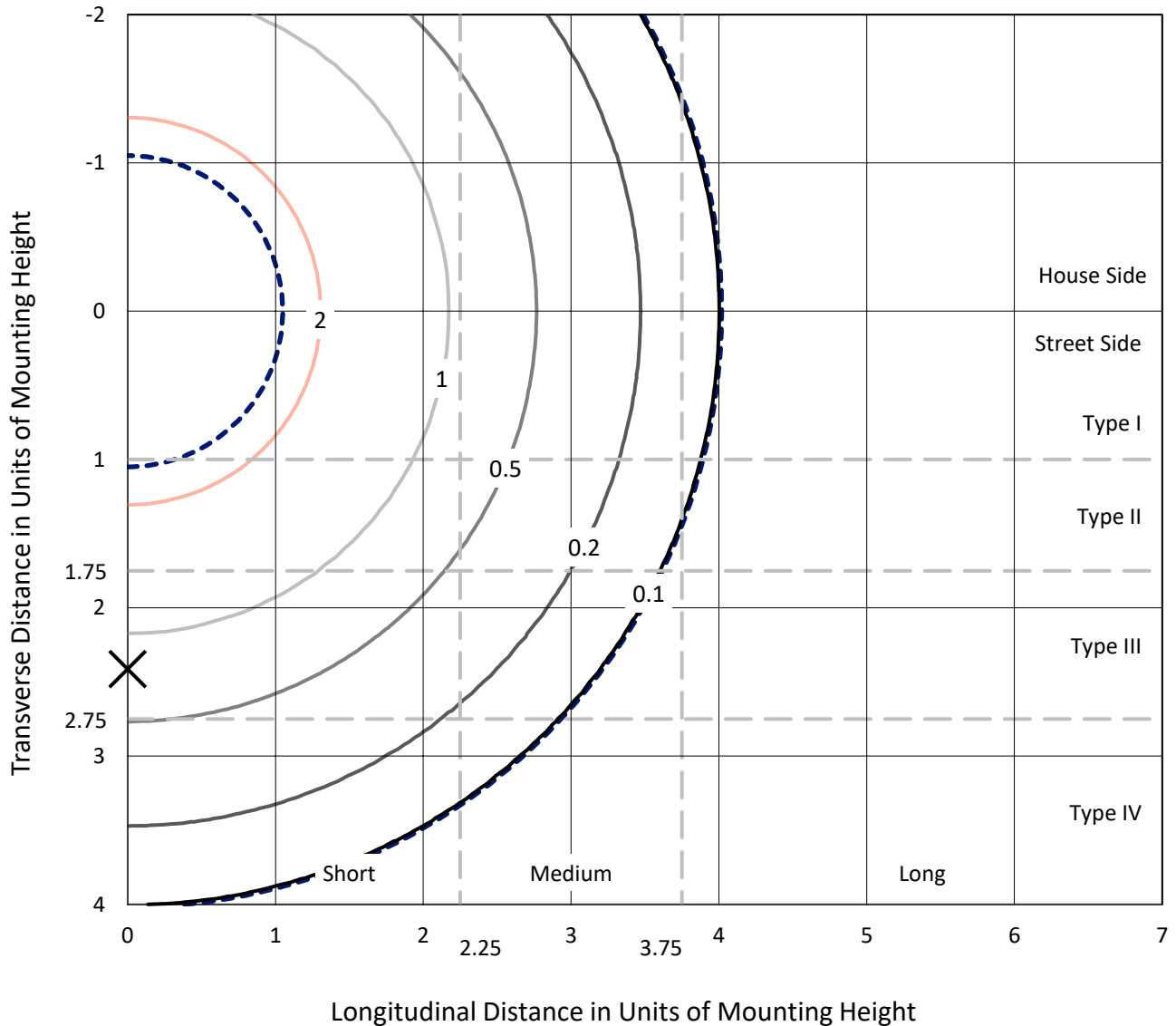
Input Watts (W): 212.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

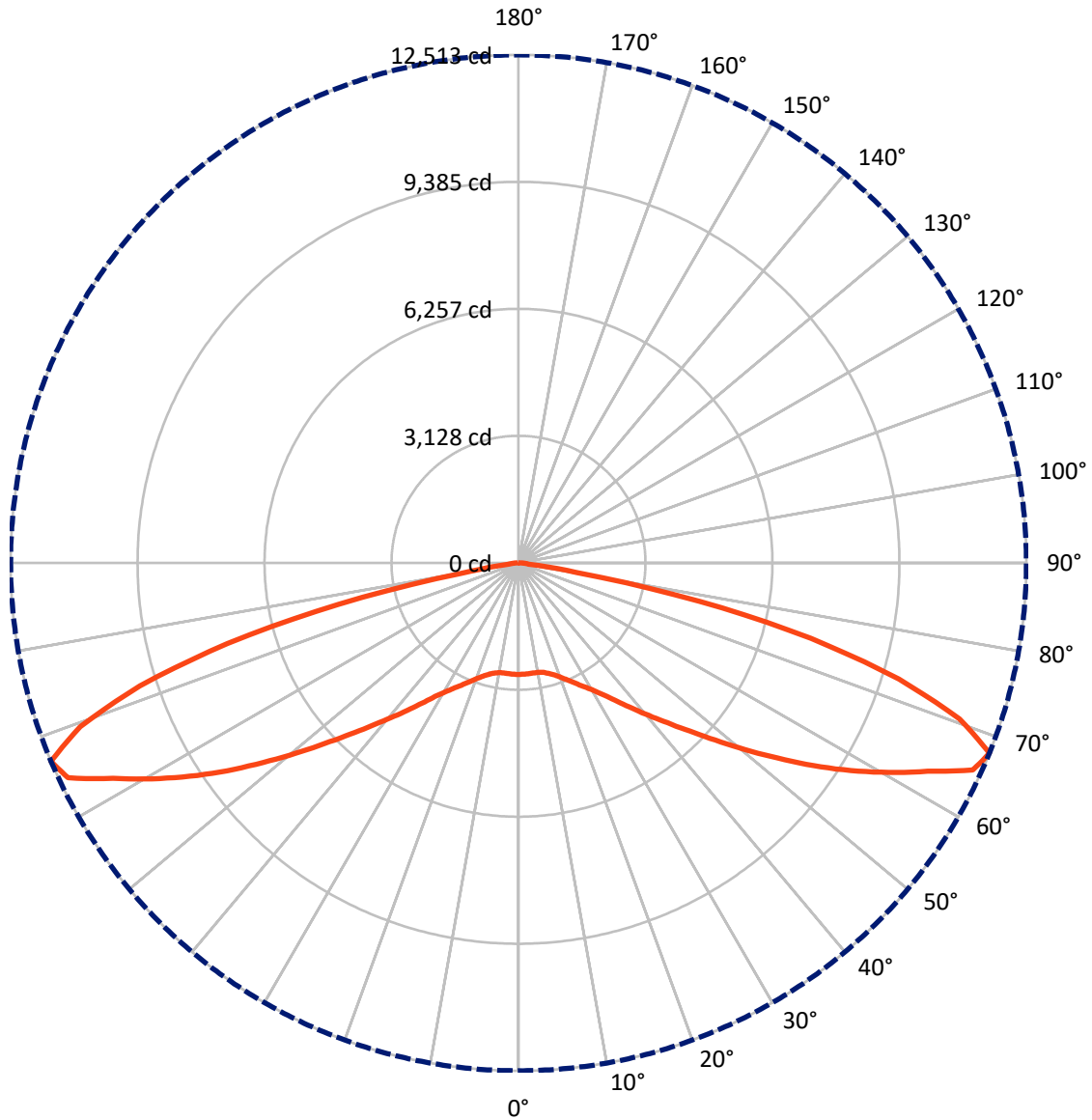
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.1 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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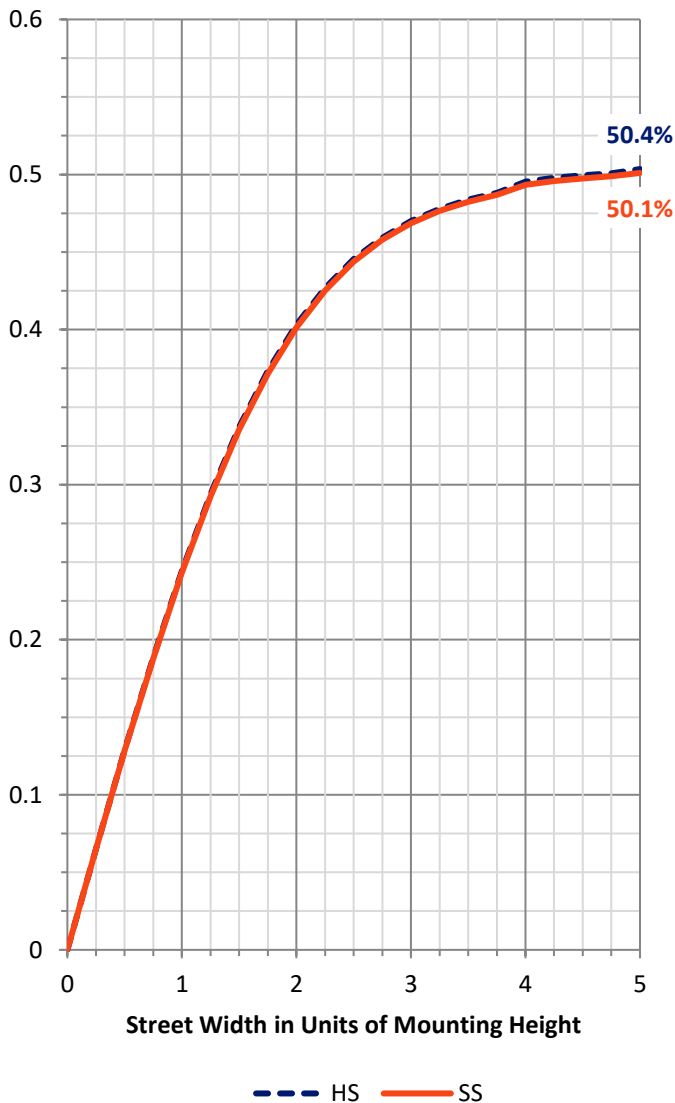
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18676.0	0.0	18676.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18676.0	0.0	18676.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37352.0	0.0	37352.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.7	0.7
10°-20°	811.1	2.2
20°-30°	1539.2	4.1
30°-40°	2673.4	7.2
40°-50°	4653.3	12.5
50°-60°	7949.7	21.3
60°-70°	11707.4	31.3
70°-80°	7442.2	19.9
80°-90°	313.9	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°	37352.0	100.0
0°-180°	37352.0	100.0



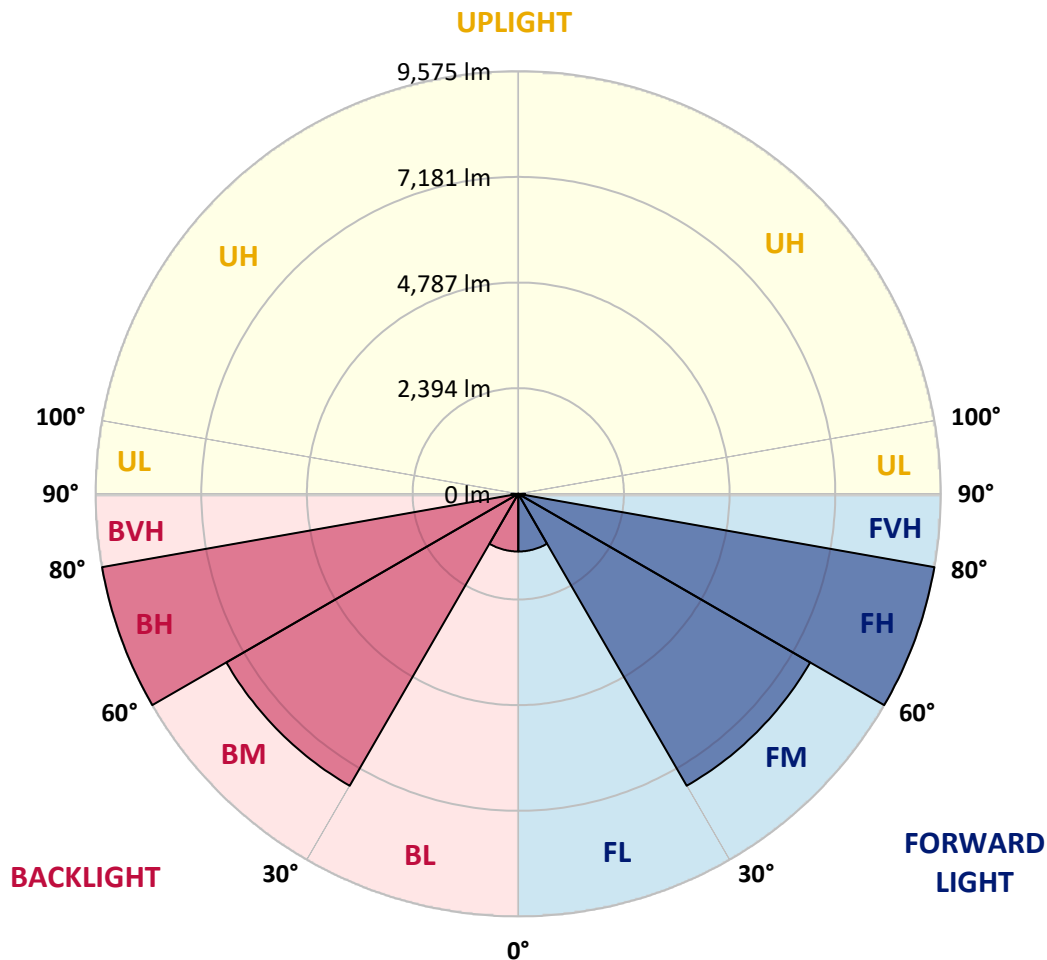
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1306.0	3.5			
FM (30°-60°)	7638.2	20.4			
FH (60°-80°)	9574.8	25.6			G4/12000
FVH (80°-90°)	157.0	0.4			G2/225
BL (0°-30°)	1306.0	3.5	B3/2500		
BM (30°-60°)	7638.2	20.4	B4/8500		
BH (60°-80°)	9574.8	25.6	B5		G4/12000
BVH (80°-90°)	157.0	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°	2747.5
2.5°	2748.2
5°	2742.7
7.5°	2738.2
10°	2742.8
12.5°	2772.3
15°	2829.1
17.5°	2908.6
20°	3016.6
22.5°	3144.1
25°	3294.3
27.5°	3457.1
30°	3648.5
32.5°	3883.8
35°	4192.7
37.5°	4548.3
40°	4943.5
42.5°	5387.6
45°	5914.7
47.5°	6522.6
50°	7226.7
52.5°	7987.1
55°	8821.4
57.5°	9654.6
60°	10483.1
62.5°	11314.0
65°	12303.3
67.5°	12513.4
70°	11528.5
72.5°	9805.6
75°	7444.7
77.5°	4551.4
80°	1444.6
82.5°	245.2
85°	138.6
87.5°	50.2
90°	0.0

(END OF REPORT)