

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: P510574

Luminaire Tested: **CTN-CA10-630-760-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510574
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-CA10-630-760-U-T5R
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (10) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 98427.1 lumens
Efficiency: N/A
Efficacy: 155.9 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

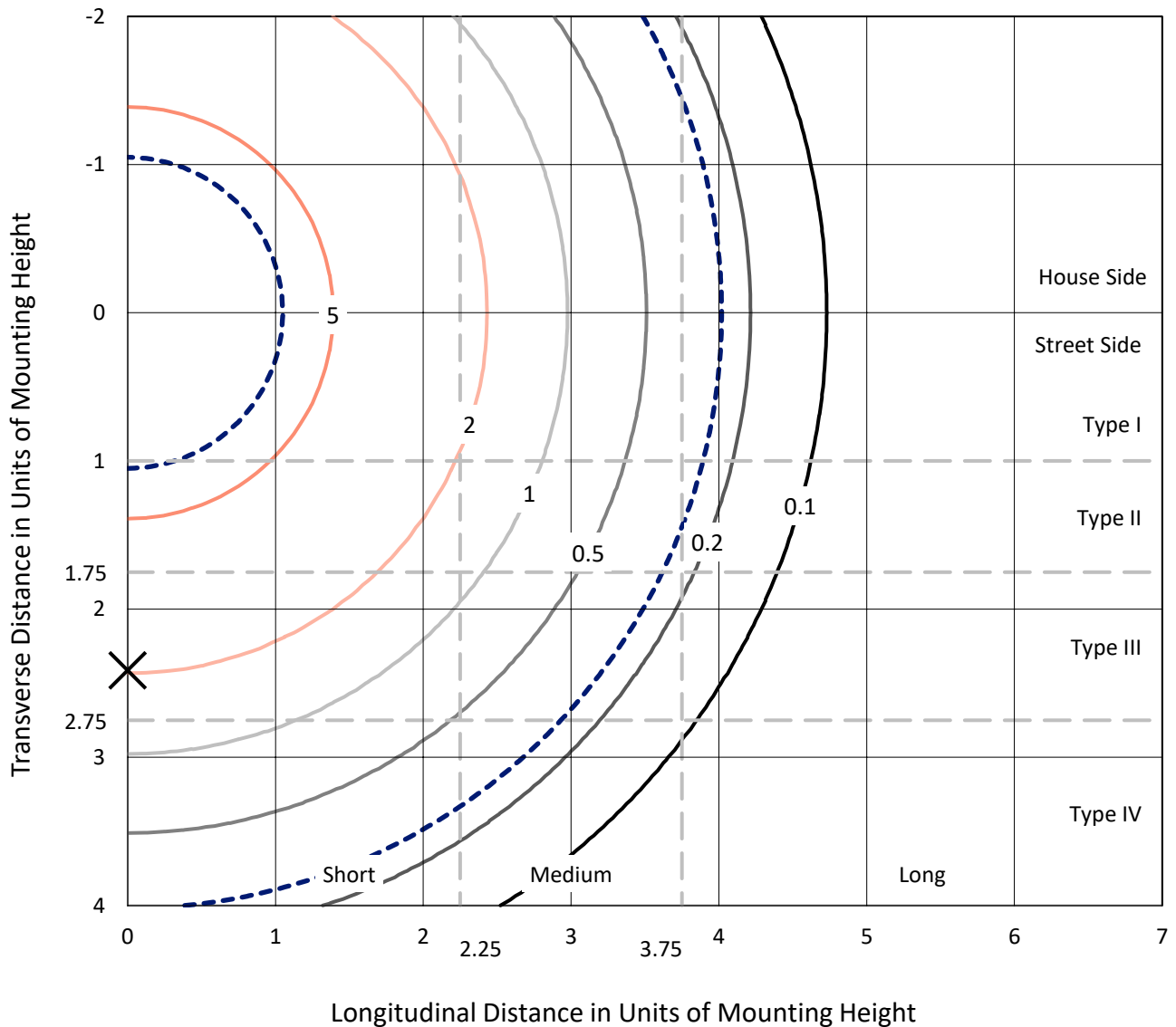
Input Watts (W): 631.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

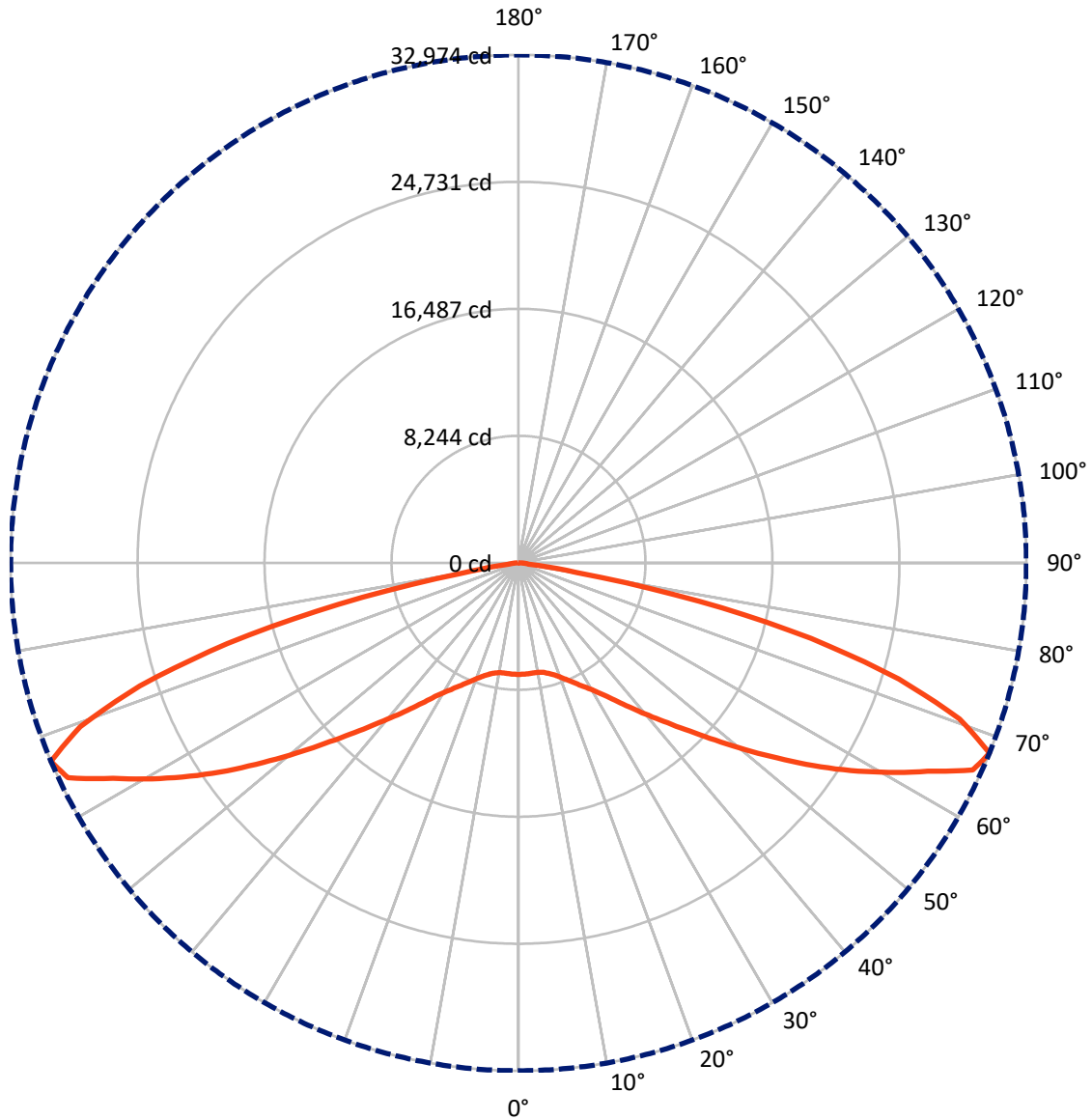
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8 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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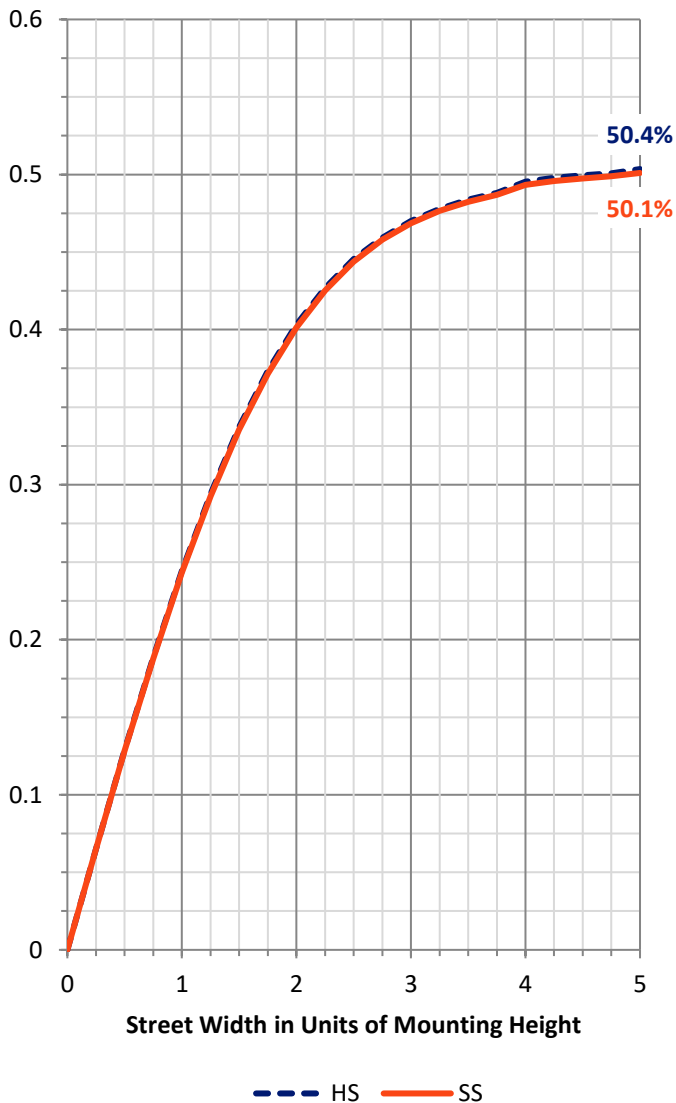
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	49213.5	0.0	49213.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	49213.5	0.0	49213.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	98427.1	0.0	98427.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	689.7	0.7
10°-20°	2137.3	2.2
20°-30°	4056.0	4.1
30°-40°	7044.8	7.2
40°-50°	12262.0	12.5
50°-60°	20948.3	21.3
60°-70°	30850.6	31.3
70°-80°	19611.2	19.9
80°-90°	827.2	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°	98427.1	100.0
0°-180°	98427.1	100.0



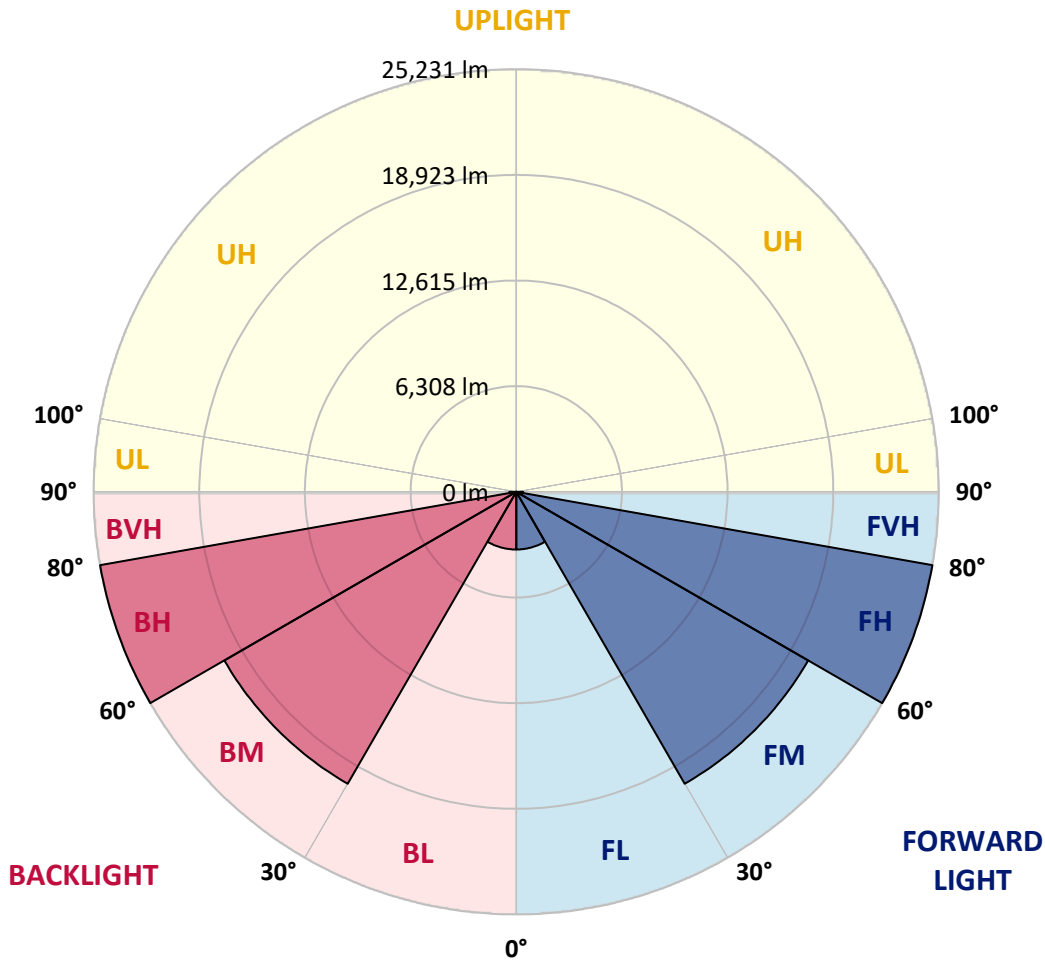
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3441.5	3.5			
FM (30°-60°)	20127.5	20.4			
FH (60°-80°)	25230.9	25.6			G5
FVH (80°-90°)	413.6	0.4			G3/500
BL (0°-30°)	3441.5	3.5	B4/5000		
BM (30°-60°)	20127.5	20.4	B5		
BH (60°-80°)	25230.9	25.6	B5		G5
BVH (80°-90°)	413.6	0.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7239.9
2.5°	7241.7
5°	7227.4
7.5°	7215.4
10°	7227.6
12.5°	7305.3
15°	7455.0
17.5°	7664.6
20°	7949.1
22.5°	8285.0
25°	8680.9
27.5°	9109.9
30°	9614.3
32.5°	10234.2
35°	11048.3
37.5°	11985.4
40°	13026.8
42.5°	14197.1
45°	15586.0
47.5°	17187.9
50°	19043.2
52.5°	21047.1
55°	23245.5
57.5°	25441.0
60°	27624.1
62.5°	29813.8
65°	32420.7
67.5°	32974.4
70°	30379.1
72.5°	25838.9
75°	19617.7
77.5°	11993.6
80°	3806.8
82.5°	646.2
85°	365.1
87.5°	132.2
90°	0.0

(END OF REPORT)