

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: P510824

Luminaire Tested: **CTN-CA8-480-722-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510824
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-CA8-480-722-U-T5R
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (8) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61985.9 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

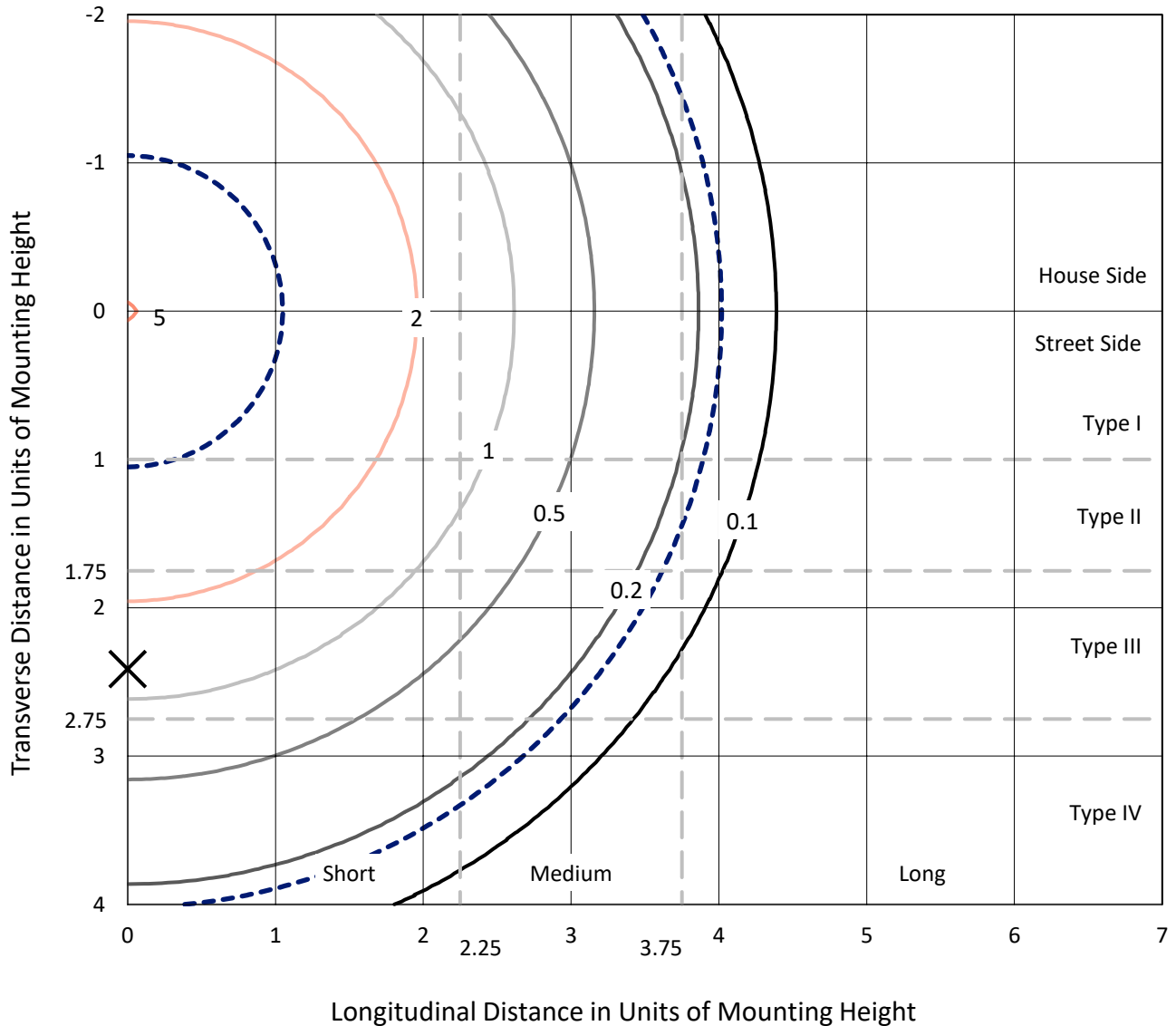
Input Watts (W): 480.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

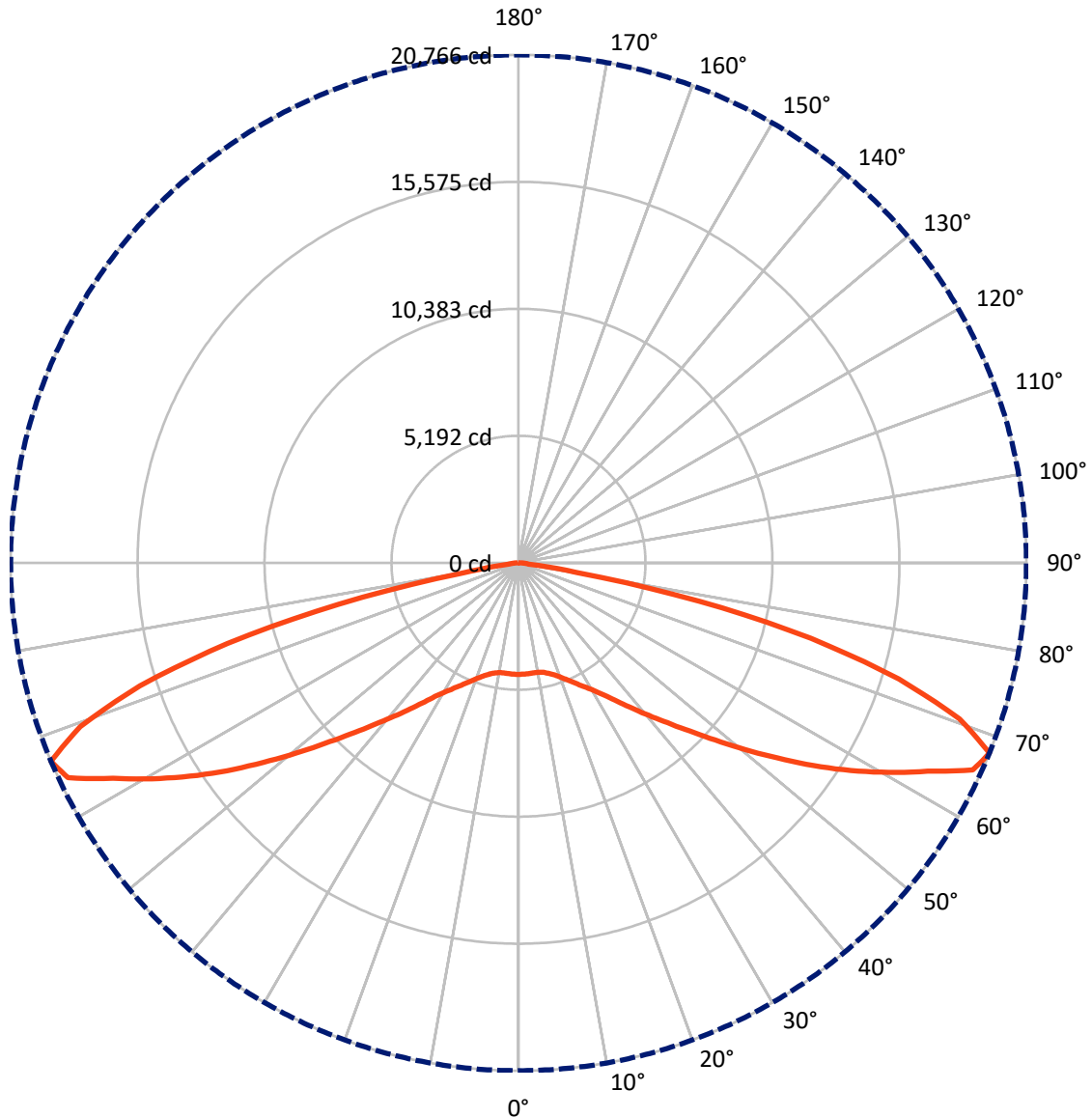
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.1 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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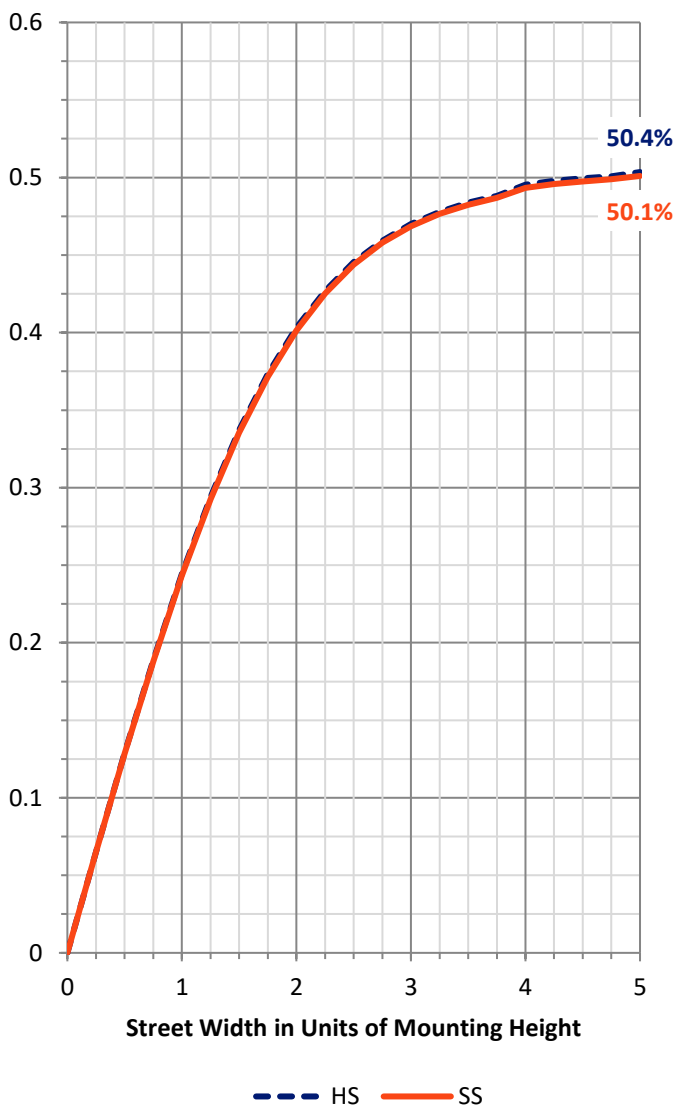
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30993.0	0.0	30993.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30993.0	0.0	30993.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	61985.9	0.0	61985.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.3	0.7
10°-20°	1346.0	2.2
20°-30°	2554.3	4.1
30°-40°	4436.6	7.2
40°-50°	7722.2	12.5
50°-60°	13192.5	21.3
60°-70°	19428.6	31.3
70°-80°	12350.4	19.9
80°-90°	520.9	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°	61985.9	100.0
0°-180°	61985.9	100.0

Coefficient of Utilization

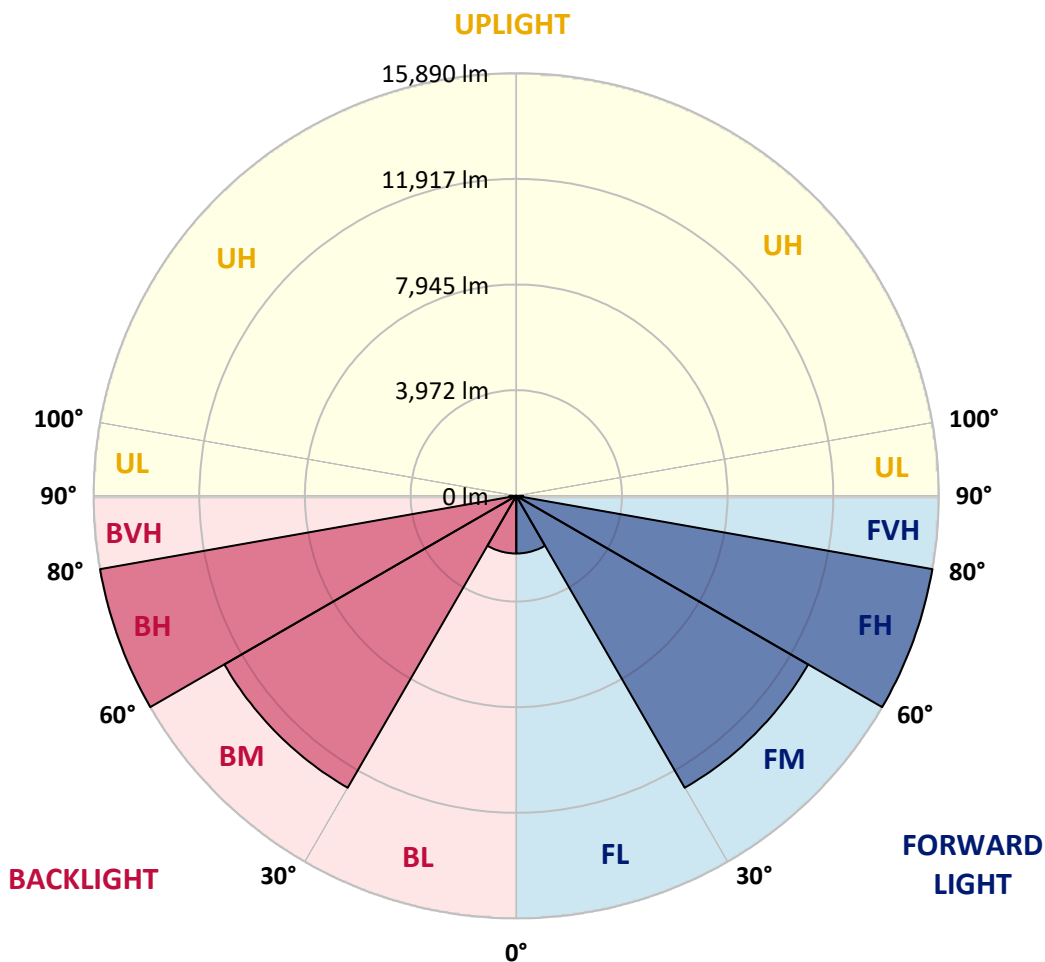


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2167.4	3.5			
FM (30°-60°)	12675.6	20.4			
FH (60°-80°)	15889.5	25.6			G5
FVH (80°-90°)	260.5	0.4			G3/500
BL (0°-30°)	2167.4	3.5	B3/2500		
BM (30°-60°)	12675.6	20.4	B5		
BH (60°-80°)	15889.5	25.6	B5		G5
BVH (80°-90°)	260.5	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°	4559.4
2.5°	4560.6
5°	4551.6
7.5°	4544.0
10°	4551.7
12.5°	4600.6
15°	4694.9
17.5°	4826.9
20°	5006.1
22.5°	5217.6
25°	5466.9
27.5°	5737.1
30°	6054.8
32.5°	6445.2
35°	6957.9
37.5°	7548.0
40°	8203.8
42.5°	8940.8
45°	9815.5
47.5°	10824.3
50°	11992.8
52.5°	13254.7
55°	14639.2
57.5°	16021.9
60°	17396.8
62.5°	18775.7
65°	20417.5
67.5°	20766.1
70°	19131.7
72.5°	16272.4
75°	12354.5
77.5°	7553.1
80°	2397.4
82.5°	407.0
85°	229.9
87.5°	83.2
90°	0.0

(END OF REPORT)