

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: P887554

Luminaire Tested: **TT-D1-830-U-MQ-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/9/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D1-830-U-MQ-TC
Description: MQ
3000K, 80 CRI LEDS, MEDIUM DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3033 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 28
Input Voltage (V): 120.0
Input Current (Ain): 0.23
Voltage Rise (V): NR
Power Factor: 0.979
Total Harmonic Distortion (THDi): 13.3%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



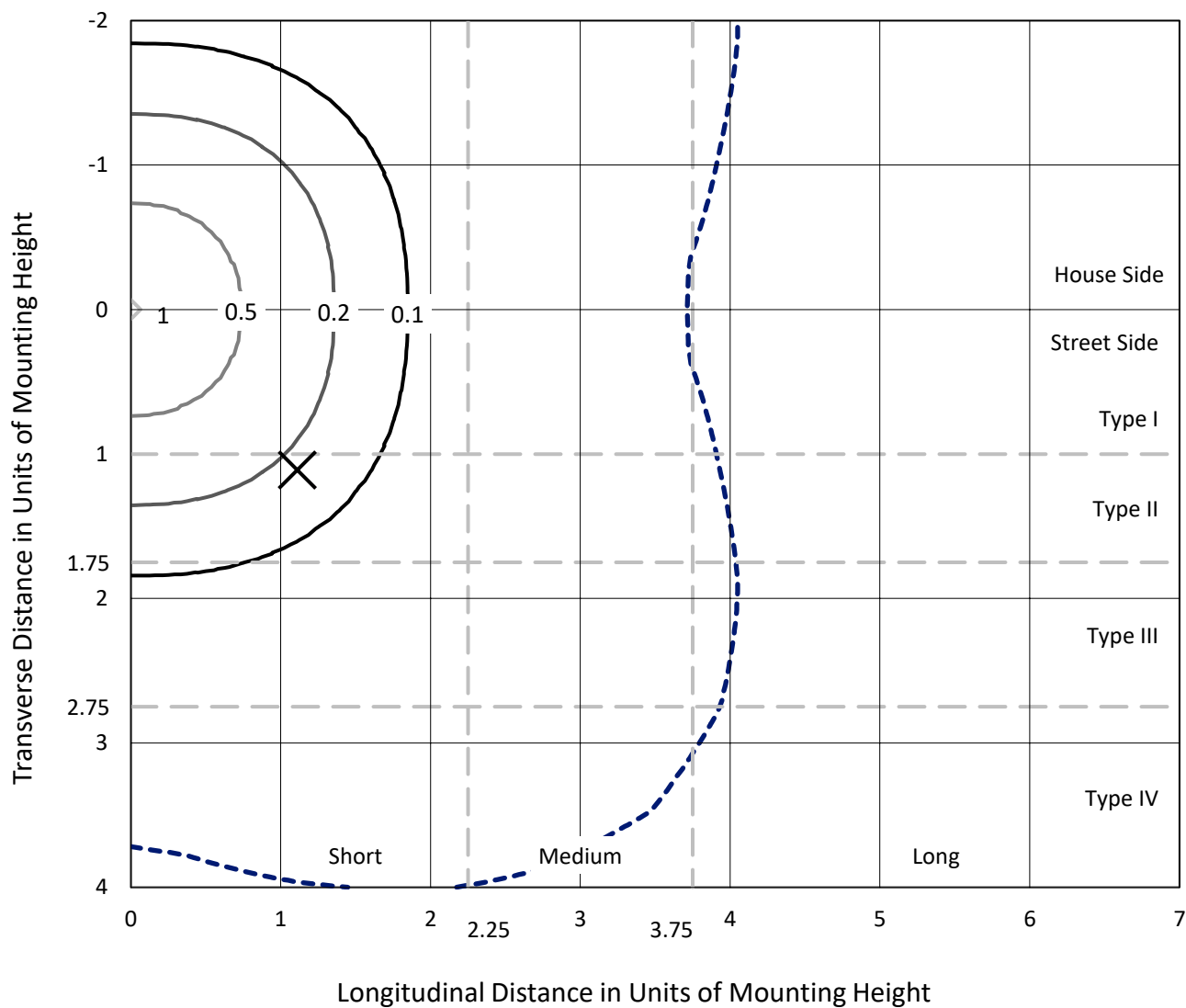
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

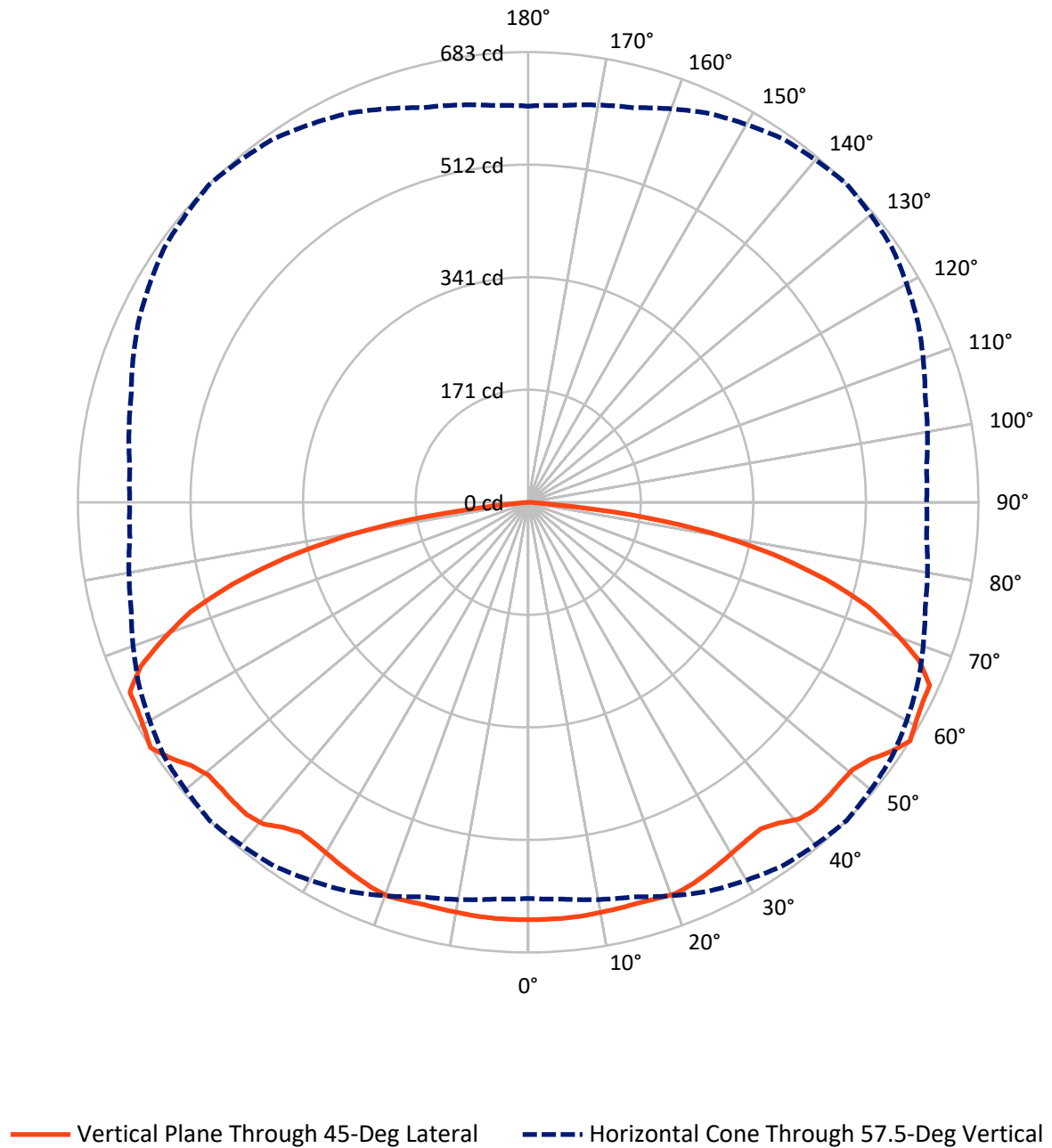
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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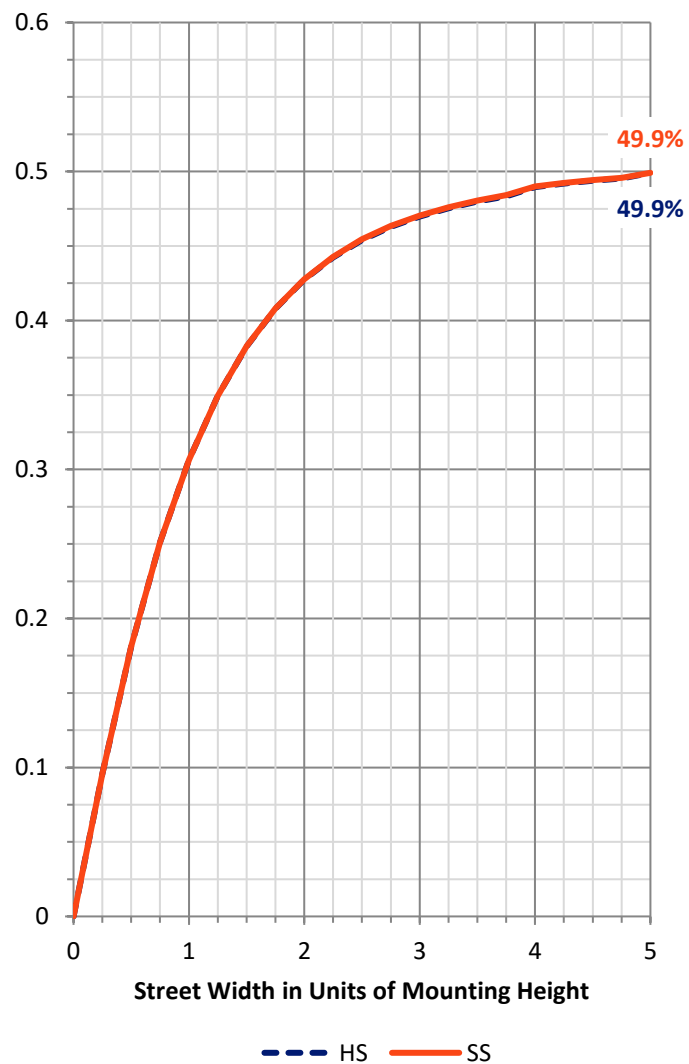
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1516.5	0.0	1516.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1516.5	0.0	1516.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3033.0	0.0	3033.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.4	2.0
10°-20°	178.8	5.9
20°-30°	288.2	9.5
30°-40°	382.4	12.6
40°-50°	480.4	15.8
50°-60°	566.5	18.7
60°-70°	594.6	19.6
70°-80°	417.9	13.8
80°-90°	63.9	2.1
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°	3033.0	100.0
0°-180°	3033.0	100.0

Coefficient of Utilization



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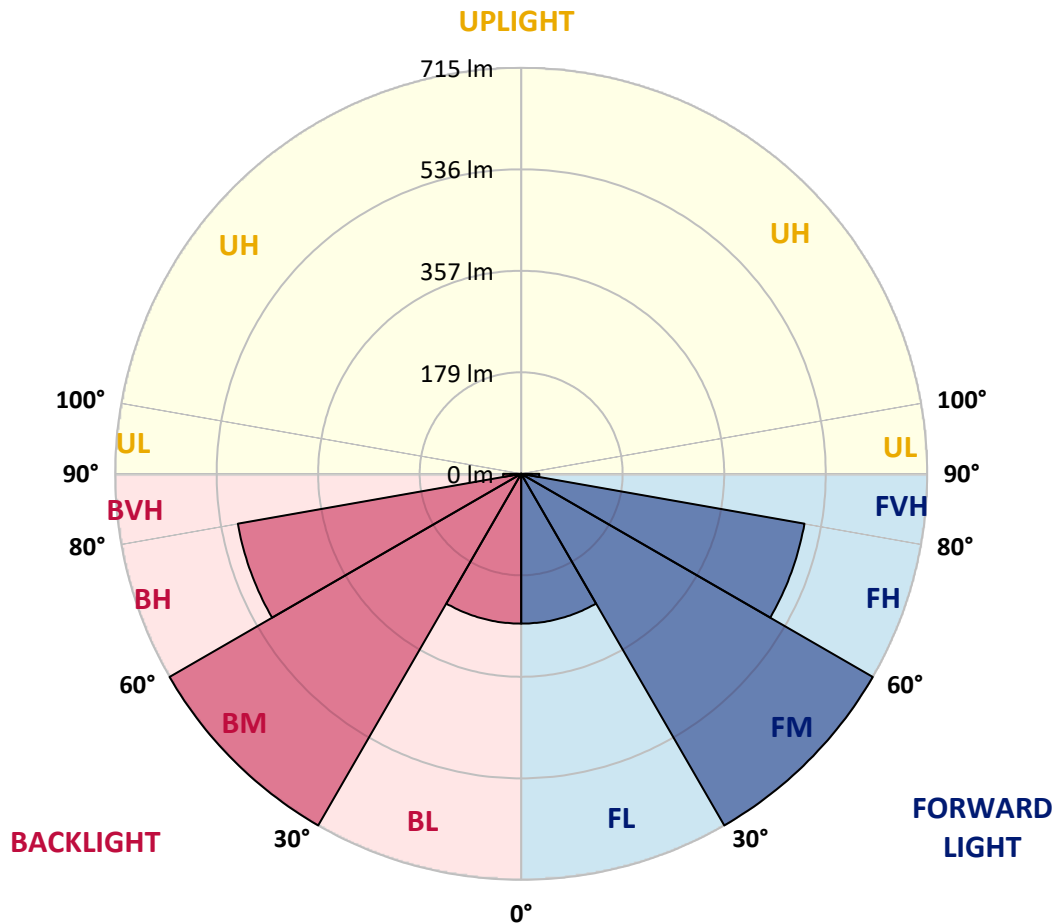
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.6	8.7			
FM	(30°-60°)	714.6	23.6			
FH	(60°-80°)	506.3	16.7			G0/660
FVH	(80°-90°)	32.0	1.1			G1/100
BL	(0°-30°)	263.6	8.7	B1/500		
BM	(30°-60°)	714.6	23.6	B1/1000		
BH	(60°-80°)	506.3	16.7	B2/1000		G0/660
BVH	(80°-90°)	32.0	1.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8
2.5°	633.4	633.4	633.4	632.8	632.3	632.8	632.3	632.8	632.8	632.8	633.4
5°	633.4	633.4	633.4	632.8	632.8	632.8	632.8	632.8	632.8	632.8	632.8
7.5°	632.8	632.8	632.3	632.3	632.3	632.3	632.3	632.3	632.3	632.3	632.3
10°	632.3	632.3	631.7	631.7	631.2	631.2	631.2	631.7	631.7	631.7	631.7
12.5°	630.6	631.2	631.2	630.6	630.6	630.6	630.1	630.6	630.6	630.1	630.1
15°	629.5	630.1	630.1	630.1	630.1	630.1	629.5	630.1	629.5	629.5	629.5
17.5°	629.5	629.5	630.1	630.6	631.2	631.7	630.6	630.6	629.5	629.0	629.0
20°	630.6	630.6	631.2	631.7	633.4	633.9	633.4	631.7	631.2	630.1	630.1
22.5°	627.3	627.9	628.4	628.4	629.5	630.6	630.1	629.0	627.9	627.3	627.3
25°	623.0	623.0	623.0	624.1	625.2	625.2	624.6	624.1	623.0	622.4	622.4
27.5°	617.0	616.4	617.0	618.1	619.2	619.7	619.2	618.6	617.0	617.0	616.4
30°	610.4	609.9	611.0	612.1	613.7	614.2	613.7	612.6	611.0	610.4	609.9
32.5°	603.9	603.9	605.0	606.6	608.8	609.9	608.8	607.7	605.0	603.9	603.9
35°	597.9	597.9	600.6	603.9	606.6	607.7	606.6	605.0	601.7	599.0	599.0
37.5°	598.4	599.5	603.3	611.0	615.3	617.0	615.9	611.0	605.5	601.1	599.5
40°	606.6	607.7	614.2	621.9	629.0	631.7	629.5	623.0	615.3	608.8	607.7
42.5°	607.1	607.7	615.3	625.2	633.4	637.2	634.4	626.3	617.0	609.3	608.2
45°	602.8	604.4	613.2	624.6	633.4	637.2	633.4	626.3	614.8	606.1	605.5
47.5°	598.4	599.5	609.3	621.9	632.3	636.1	632.8	623.0	610.4	601.1	600.6
50°	595.1	596.2	605.0	621.3	632.8	637.2	633.4	623.0	607.7	598.4	597.9
52.5°	594.0	595.1	609.3	626.8	644.3	648.1	643.7	627.9	611.5	597.3	597.3
55°	596.8	597.3	616.4	642.6	659.0	667.2	660.1	643.2	620.3	601.7	599.5
57.5°	600.6	603.9	619.2	650.3	672.7	682.5	673.2	651.4	623.0	606.1	603.9
60°	587.5	592.4	613.7	640.5	666.1	675.4	667.8	643.7	613.7	591.9	591.3
62.5°	564.0	566.2	595.1	629.0	658.5	670.5	660.1	633.9	597.3	574.4	571.7
65°	557.5	560.2	580.9	623.0	653.6	668.8	658.5	626.3	584.2	559.6	557.5
67.5°	517.6	523.6	553.6	590.8	625.2	638.3	628.4	600.0	553.6	523.6	519.2
70°	470.1	477.2	505.6	546.5	575.5	589.1	577.1	554.2	505.0	476.1	471.2
72.5°	415.0	419.3	452.1	485.4	521.4	537.8	522.5	493.0	450.4	415.5	413.3
75°	339.1	346.7	383.3	413.9	447.7	465.2	453.7	419.3	378.9	341.2	338.5
77.5°	259.3	262.1	299.8	335.2	363.6	379.5	370.2	337.4	295.9	258.8	255.5
80°	172.0	174.2	204.2	236.4	263.7	281.2	270.3	240.8	195.5	168.7	164.9
82.5°	74.3	75.9	93.9	121.2	145.8	161.1	152.3	124.5	86.3	69.9	66.1
85°	6.0	5.5	6.0	7.1	7.1	14.7	12.6	10.9	4.4	5.5	4.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)