

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: P887556

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

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887556
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-1)
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-WQ-TC
Description: WQ
3000K, 80 CRI LEDS, WIDE DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2979 lumens
Efficiency: N/A
Efficacy: 106.4 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

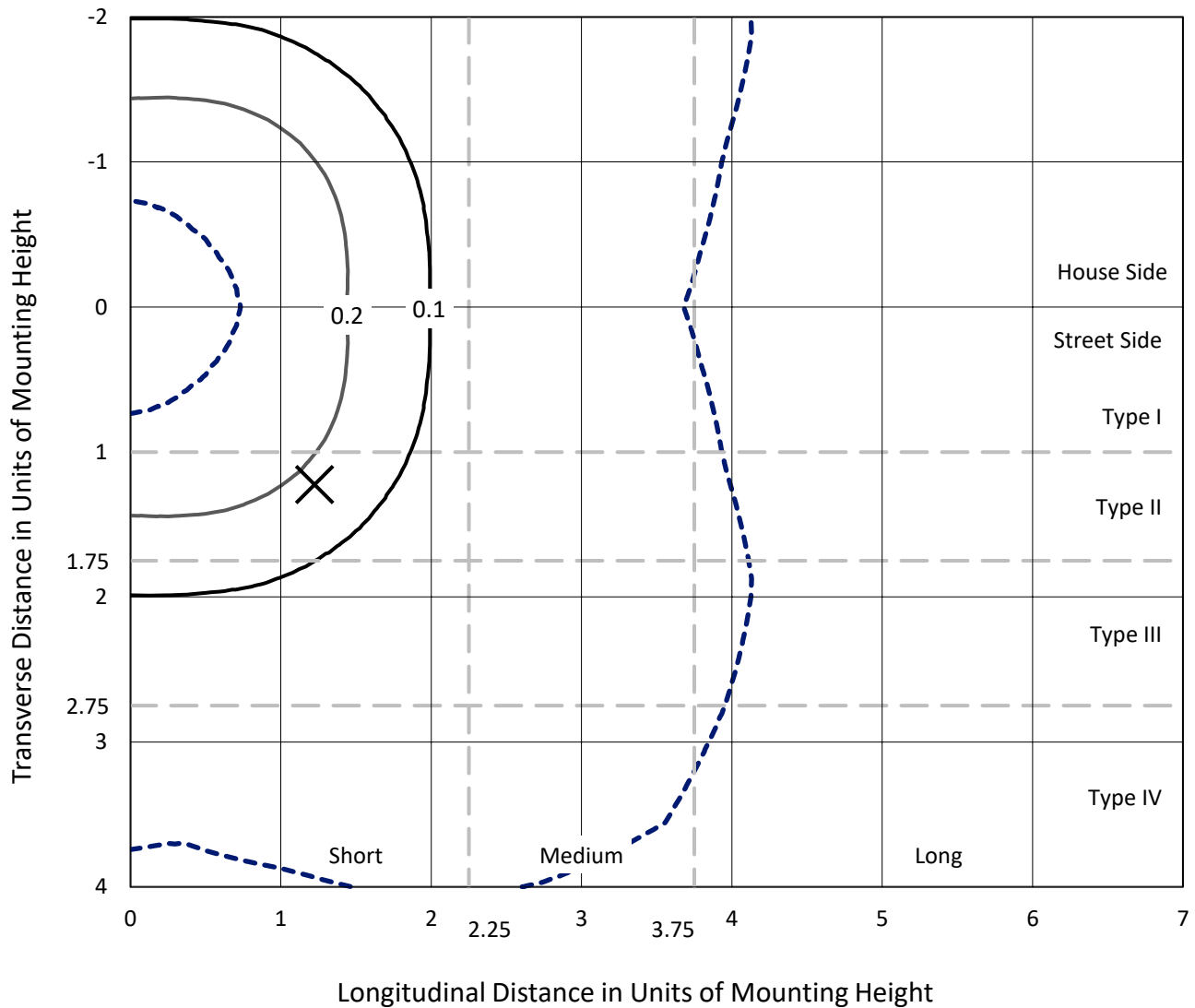


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Iso-Footcandle Lines of Horizontal Illumination

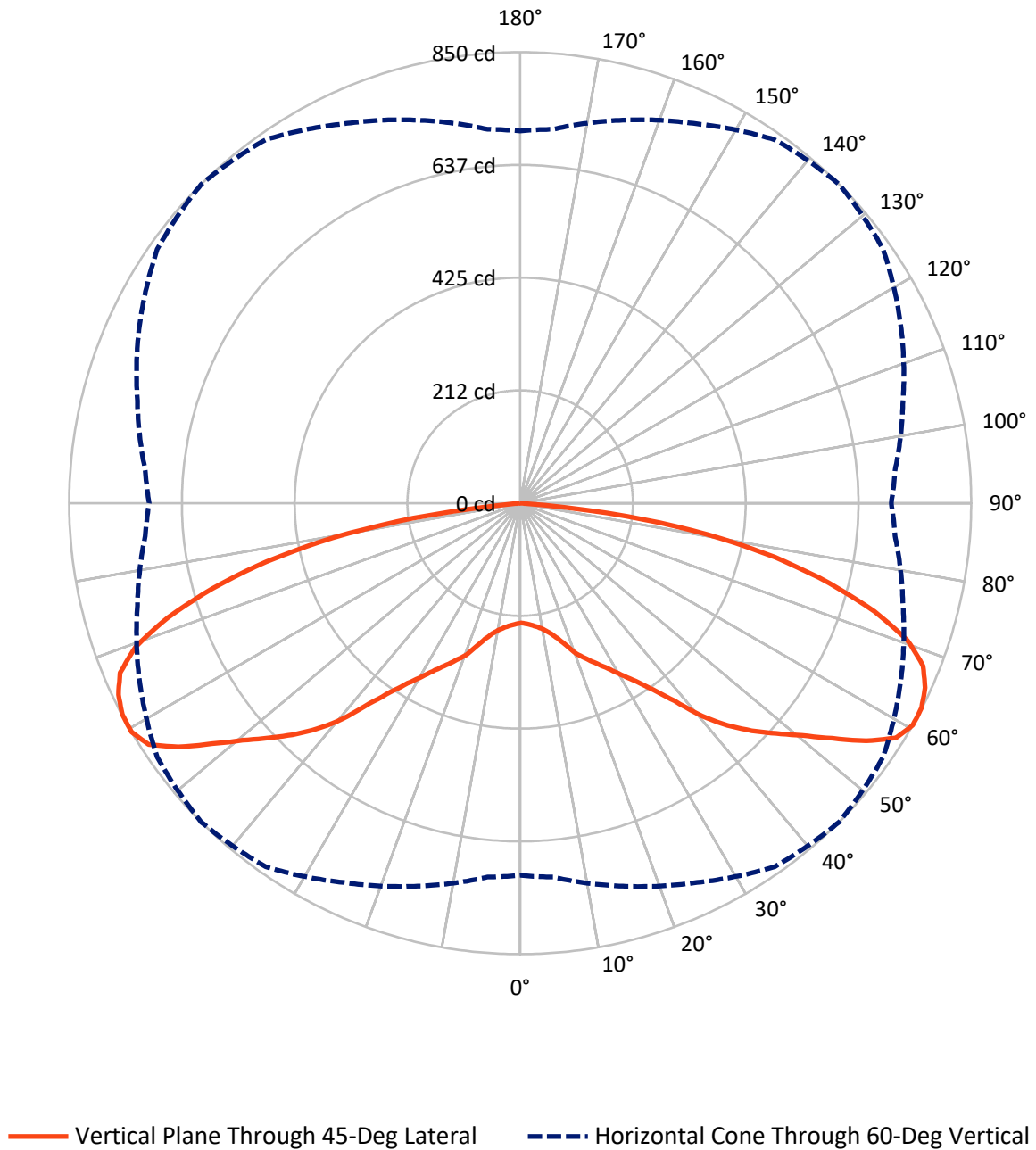
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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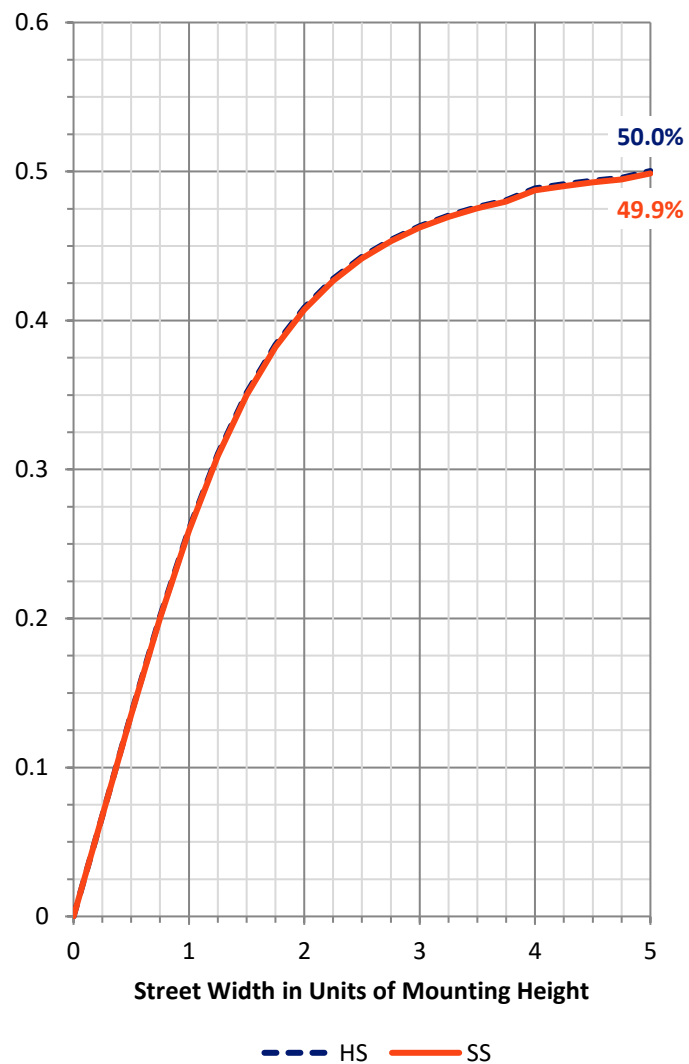
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1489.5	0.0	1489.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1489.5	0.0	1489.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2979.0	0.0	2979.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	0.8
10°-20°	76.3	2.6
20°-30°	154.9	5.2
30°-40°	270.3	9.1
40°-50°	451.4	15.2
50°-60°	654.0	22.0
60°-70°	744.2	25.0
70°-80°	529.6	17.8
80°-90°	75.8	2.5
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°	2979.0	100.0
0°-180°	2979.0	100.0

Coefficient of Utilization



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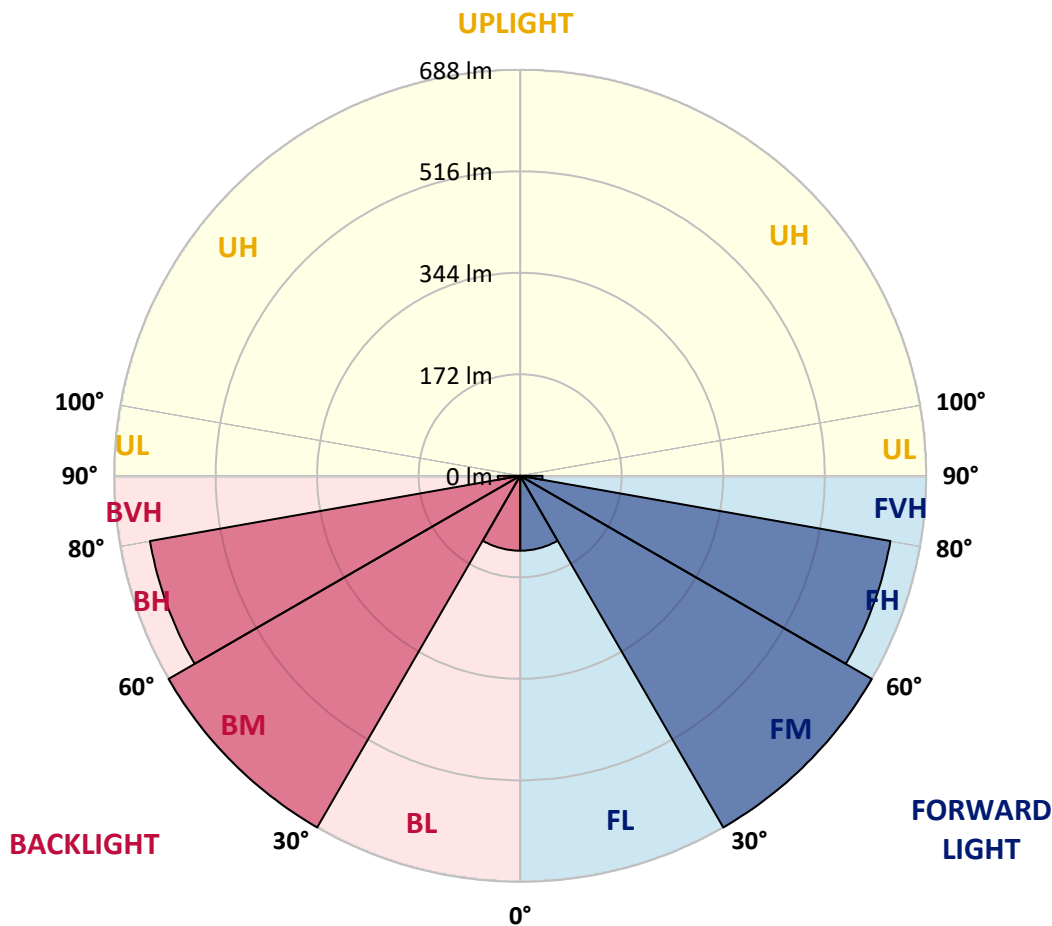
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	126.8	4.3			
FM	(30°-60°)	687.8	23.1			
FH	(60°-80°)	636.9	21.4			G0/660
FVH	(80°-90°)	37.9	1.3			G1/100
BL	(0°-30°)	126.8	4.3	B1/500		
BM	(30°-60°)	687.8	23.1	B1/1000		
BH	(60°-80°)	636.9	21.4	B2/1000		G0/660
BVH	(80°-90°)	37.9	1.3			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°	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5
2.5°	228.2	228.2	228.2	228.2	228.2	227.7	227.7	228.2	228.2	228.2	228.8
5°	230.9	231.5	230.9	231.5	230.9	230.9	230.9	231.5	231.5	231.5	231.5
7.5°	235.3	235.3	234.8	235.3	234.8	235.3	235.3	235.9	235.9	235.9	235.9
10°	242.4	242.4	242.4	242.4	241.9	241.9	242.4	243.0	243.5	243.5	243.5
12.5°	251.7	251.7	251.7	252.8	251.7	251.1	251.1	252.2	252.8	252.2	251.7
15°	262.6	262.6	263.2	264.3	264.3	264.3	263.7	263.7	264.3	263.2	262.6
17.5°	277.4	277.4	277.4	279.5	281.2	281.7	280.1	279.0	279.0	277.9	276.8
20°	296.5	297.0	297.0	299.2	301.9	303.0	301.4	299.2	298.6	297.0	296.5
22.5°	312.3	313.4	313.9	315.6	317.8	318.3	318.3	316.1	315.6	314.5	312.3
25°	327.6	328.7	329.2	332.5	334.7	334.7	335.2	332.5	331.4	329.8	327.6
27.5°	344.5	344.5	345.1	349.4	353.2	352.7	352.7	350.5	348.3	345.6	345.1
30°	362.5	363.6	363.6	369.1	373.4	375.1	372.9	370.7	367.4	364.7	363.1
32.5°	383.3	383.8	386.0	393.7	398.0	399.7	398.6	394.7	389.3	386.6	384.9
35°	406.8	407.3	412.8	423.1	429.7	431.3	431.3	423.7	416.6	410.6	407.8
37.5°	439.5	441.2	449.9	463.0	475.5	472.8	477.2	463.5	452.6	444.4	440.6
40°	480.5	482.1	495.2	509.9	526.9	527.4	529.1	510.5	496.3	485.9	481.6
42.5°	511.0	515.9	532.3	551.4	566.2	572.2	568.9	552.0	532.9	519.8	514.9
45°	543.2	548.2	567.8	589.1	604.9	611.5	606.0	589.7	569.5	552.5	546.5
47.5°	575.5	580.4	600.6	624.1	643.7	648.1	644.8	625.1	601.7	583.1	577.1
50°	607.1	613.1	632.8	662.3	684.1	687.4	685.2	662.8	633.3	614.2	610.4
52.5°	635.0	644.3	673.2	703.2	732.7	736.0	734.3	702.7	669.4	644.8	633.9
55°	668.8	674.8	704.9	754.0	778.6	790.6	782.4	750.7	705.9	678.1	669.9
57.5°	698.9	704.3	732.7	780.2	817.3	834.3	820.6	780.7	733.8	702.7	700.5
60°	701.0	707.0	746.9	788.4	835.9	849.5	834.3	791.1	746.4	708.7	698.9
62.5°	688.5	696.1	734.3	796.6	840.3	848.4	835.9	791.7	737.1	699.9	689.0
65°	686.8	690.1	723.4	788.4	821.7	838.1	822.2	785.7	726.7	691.2	681.9
67.5°	645.9	644.8	689.6	747.4	800.4	818.4	798.8	748.5	693.4	650.3	639.3
70°	591.8	589.1	633.3	697.2	750.2	773.7	749.1	699.4	638.8	593.5	585.3
72.5°	519.8	514.9	560.2	628.4	679.2	697.8	678.1	630.6	566.2	523.0	510.5
75°	426.4	419.9	470.1	535.6	582.0	601.7	579.3	542.2	478.3	434.1	417.1
77.5°	319.4	310.7	358.2	426.4	467.4	490.8	466.8	431.9	369.1	325.4	311.8
80°	205.3	193.8	232.0	300.3	335.8	358.7	331.4	303.0	242.4	206.4	196.6
82.5°	83.5	73.7	98.8	148.5	176.4	203.1	174.7	150.1	105.9	82.4	75.9
85°	6.0	3.3	4.9	6.0	4.9	9.3	3.8	4.9	4.4	4.4	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)