

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: P887615

Luminaire Tested: **TT-D2-735-U-RW-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/9/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D2-735-U-RW-TC
Description: RW
3500K, 70 CRI LEDS, RECTANGULAR DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3571 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 39.2
Input Voltage (V): 120.0
Input Current (Ain): 0.33
Voltage Rise (V): NR
Power Factor: 0.972
Total Harmonic Distortion (THDi): 15.9%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

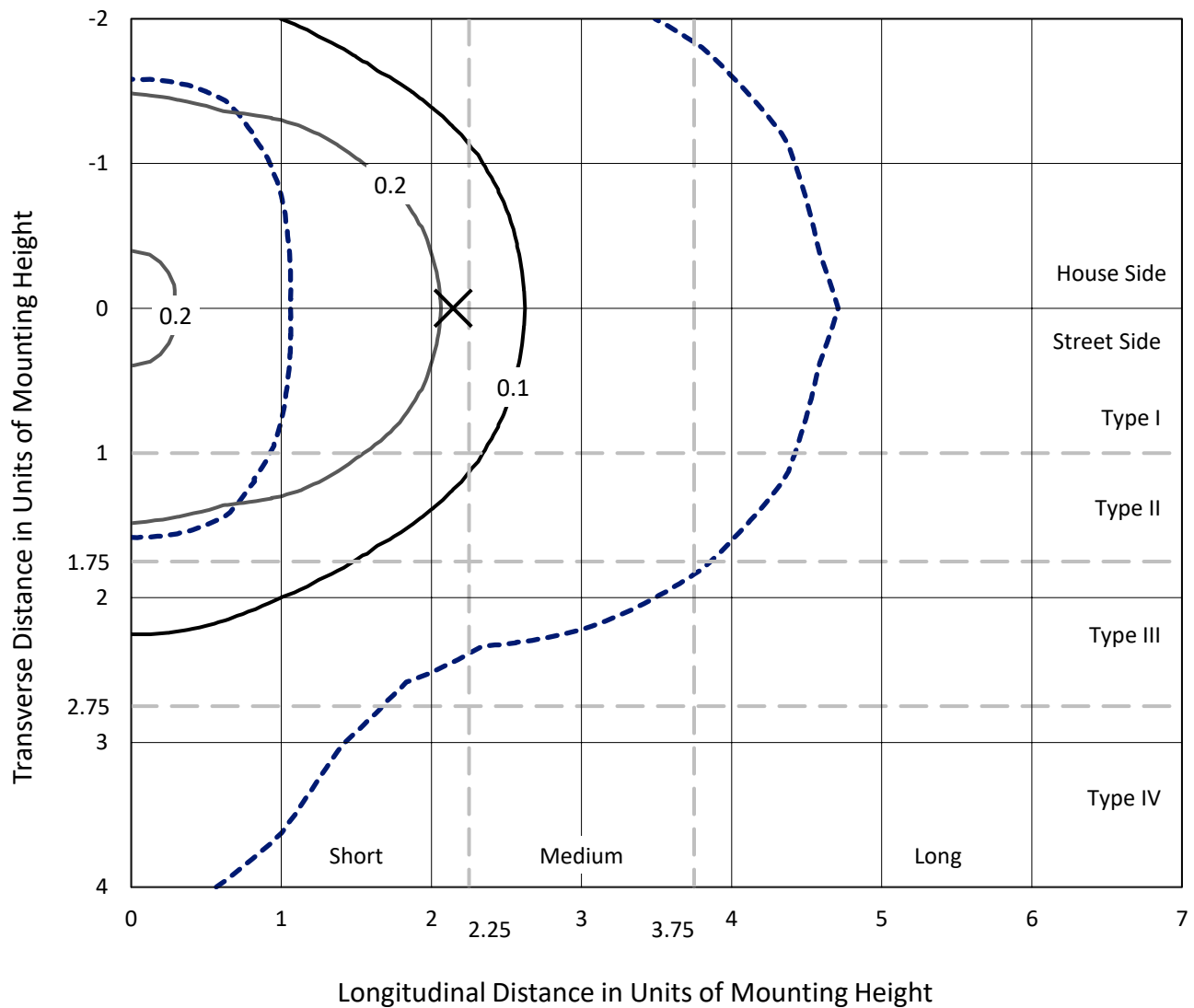


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Iso-Footcandle Lines of Horizontal Illumination

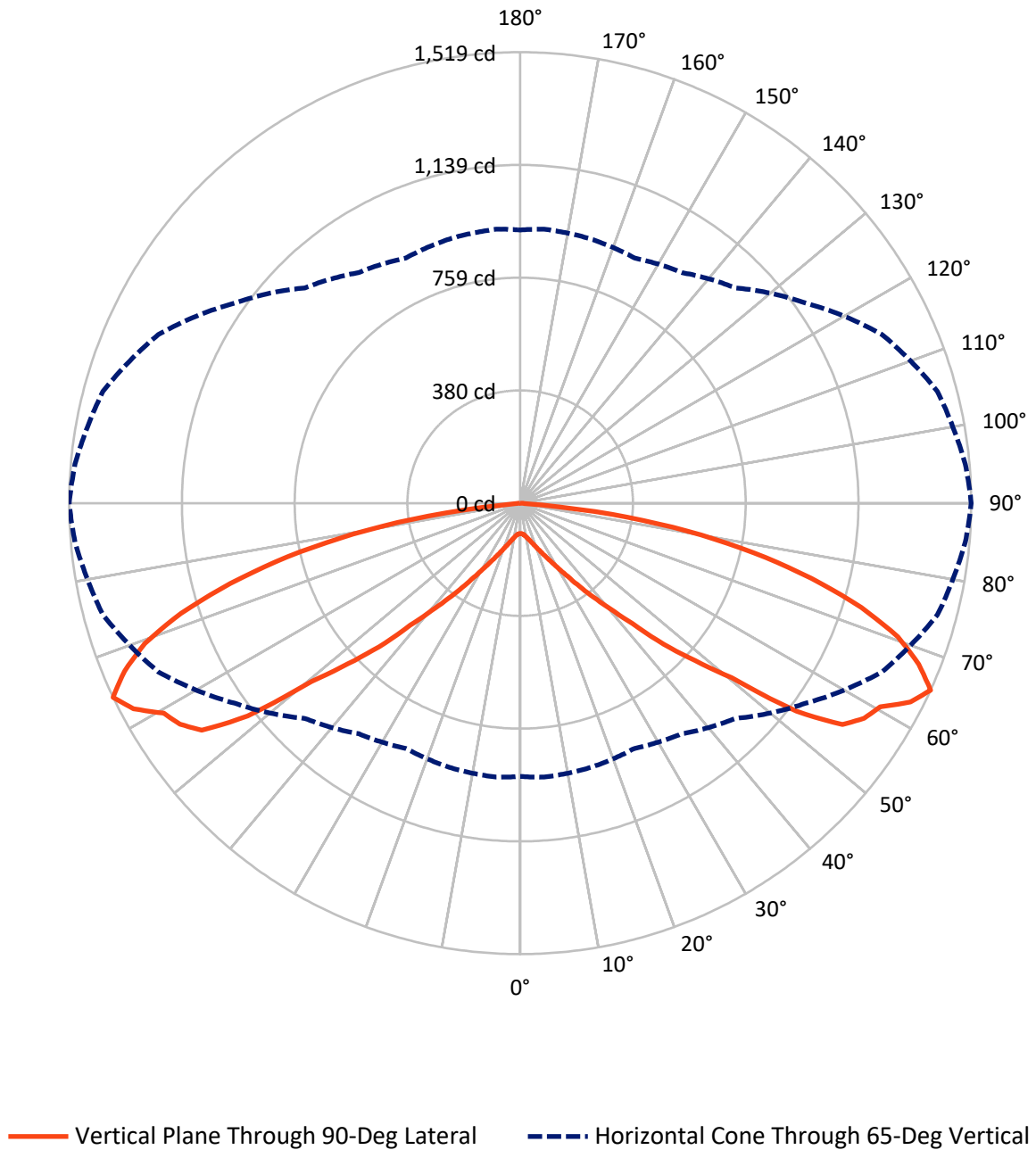
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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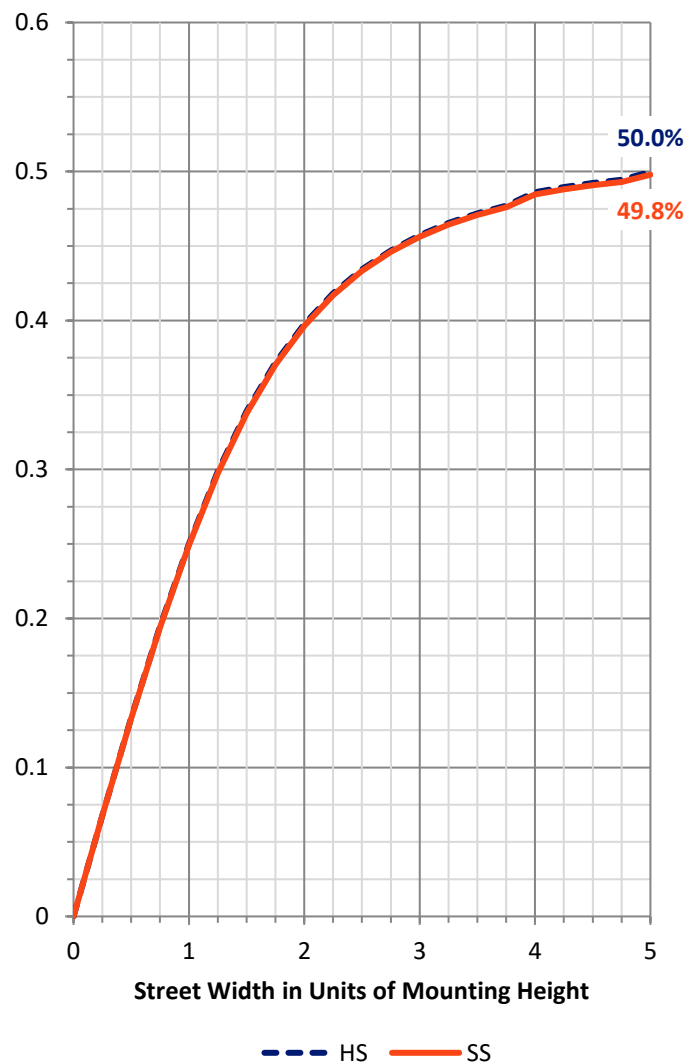
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1785.5	0.0	1785.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1785.5	0.0	1785.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3571.0	0.0	3571.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	0.3
10°-20°	37.9	1.1
20°-30°	87.4	2.4
30°-40°	190.5	5.3
40°-50°	411.9	11.5
50°-60°	807.4	22.6
60°-70°	1091.6	30.6
70°-80°	818.4	22.9
80°-90°	115.4	3.2
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°	3571.0	100.0
0°-180°	3571.0	100.0

Coefficient of Utilization



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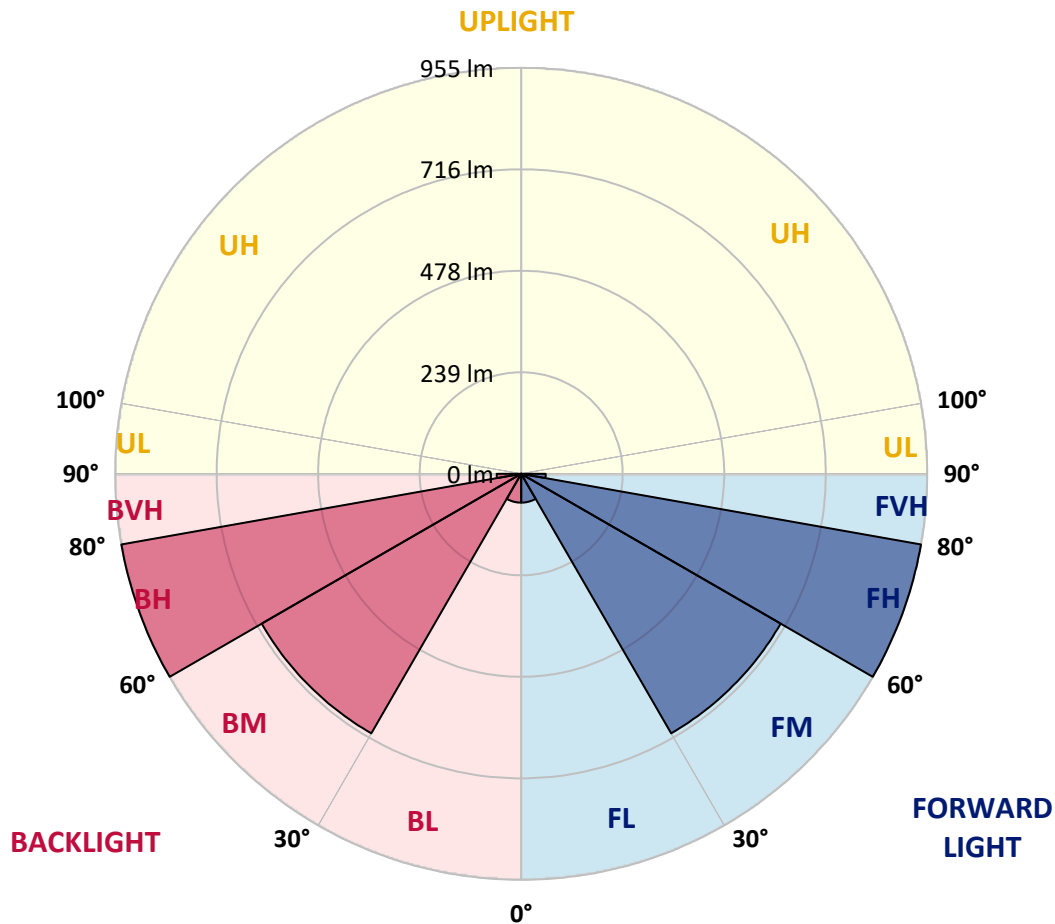
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	67.9	1.9			
FM	(30°-60°)	704.9	19.7			
FH	(60°-80°)	955.0	26.7			G1/1800
FVH	(80°-90°)	57.7	1.6			G1/100
BL	(0°-30°)	67.9	1.9	B0/110		
BM	(30°-60°)	704.9	19.7	B1/1000		
BH	(60°-80°)	955.0	26.7	B2/1000		G2/1000
BVH	(80°-90°)	57.7	1.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	102.2	102.2	102.2	102.2	102.2	102.2	102.2	102.2	102.2	102.2	102.2
2.5°	103.4	103.4	103.4	103.4	103.0	103.4	103.0	103.0	103.0	103.0	103.0
5°	104.9	105.3	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.3	105.3
7.5°	108.5	109.3	109.3	109.7	109.7	109.7	109.7	109.7	109.7	109.3	109.3
10°	114.0	114.4	114.8	114.8	114.8	115.2	115.9	115.9	115.9	115.6	116.3
12.5°	120.3	120.7	120.7	121.1	121.8	121.8	122.2	123.0	123.4	123.4	124.2
15°	127.7	128.5	128.5	128.5	130.1	130.5	131.3	132.1	132.8	132.8	133.6
17.5°	136.4	137.6	137.2	137.6	139.5	140.3	141.9	142.7	144.6	145.4	146.2
20°	147.0	148.2	147.8	148.6	150.1	152.1	153.7	156.8	158.8	158.8	160.4
22.5°	160.0	161.1	160.4	160.8	163.1	164.7	168.2	171.4	174.5	176.1	177.7
25°	174.9	176.5	175.3	176.1	178.4	180.4	184.7	190.2	193.8	196.5	198.9
27.5°	194.9	196.5	195.3	195.3	198.5	200.1	206.3	212.6	218.5	221.3	223.2
30°	217.0	219.3	217.4	217.4	220.9	222.5	229.9	239.4	247.6	252.3	255.5
32.5°	242.9	244.1	242.5	242.9	245.7	248.4	259.8	272.8	284.2	290.1	294.0
35°	273.2	275.5	271.6	270.8	275.1	280.6	295.2	314.8	331.7	340.0	344.3
37.5°	308.5	309.7	305.8	305.0	311.7	319.5	340.0	365.9	384.8	395.8	401.7
40°	349.0	352.6	346.3	346.7	353.3	365.1	391.5	422.5	448.1	461.4	467.7
42.5°	393.0	400.1	391.9	391.1	403.3	418.6	450.4	490.5	528.6	548.3	553.4
45°	441.8	452.4	444.5	443.7	460.3	480.3	525.1	586.4	635.9	672.1	678.4
47.5°	498.4	508.6	499.2	501.5	520.8	553.0	613.1	687.4	747.6	786.9	792.4
50°	564.4	566.0	560.1	562.4	596.2	638.3	712.2	792.8	880.8	920.9	923.6
52.5°	628.9	624.1	619.8	627.7	669.3	722.0	814.4	947.2	1071.0	1150.0	1164.2
55°	692.5	685.1	684.7	696.5	749.5	822.6	941.3	1108.4	1234.9	1301.0	1316.7
57.5°	753.5	750.3	750.7	760.5	827.4	920.1	1058.5	1210.6	1313.5	1358.4	1366.2
60°	812.4	817.9	814.0	830.1	902.4	995.2	1102.5	1249.9	1350.1	1389.0	1392.9
62.5°	869.8	875.3	873.7	886.7	935.0	1012.9	1126.1	1297.8	1413.4	1468.8	1474.7
65°	920.1	926.0	920.9	911.1	948.0	1025.1	1174.4	1344.2	1454.3	1504.6	1518.7
67.5°	957.1	958.6	939.4	913.4	934.3	997.9	1141.8	1304.5	1400.4	1433.4	1447.2
70°	977.5	965.7	930.7	880.4	868.2	917.4	1060.0	1203.1	1301.8	1335.6	1348.9
72.5°	954.7	937.8	875.7	795.9	757.0	794.7	934.3	1069.1	1150.4	1184.6	1201.1
75°	874.5	849.0	768.8	670.1	615.9	652.4	776.6	897.3	967.3	993.6	1012.5
77.5°	716.5	697.3	615.9	515.3	459.5	485.8	593.5	688.2	759.4	778.2	804.9
80°	501.1	479.9	426.8	342.3	290.9	303.4	385.2	460.6	522.4	547.5	572.3
82.5°	248.0	231.9	212.6	165.9	127.3	128.1	174.5	210.3	265.3	287.7	312.9
85°	9.0	10.2	12.2	14.9	11.8	9.0	16.9	20.0	13.8	21.6	13.4
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)