

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: P887795

Luminaire Tested: **TT-D4-735-U-RW-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887795
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-D4-735-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: 5126 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 57.6
Input Voltage (V): 120.0
Input Current (Ain): 0.48
Voltage Rise (V): NR
Power Factor: 0.994
Total Harmonic Distortion (THDi): 10.3%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

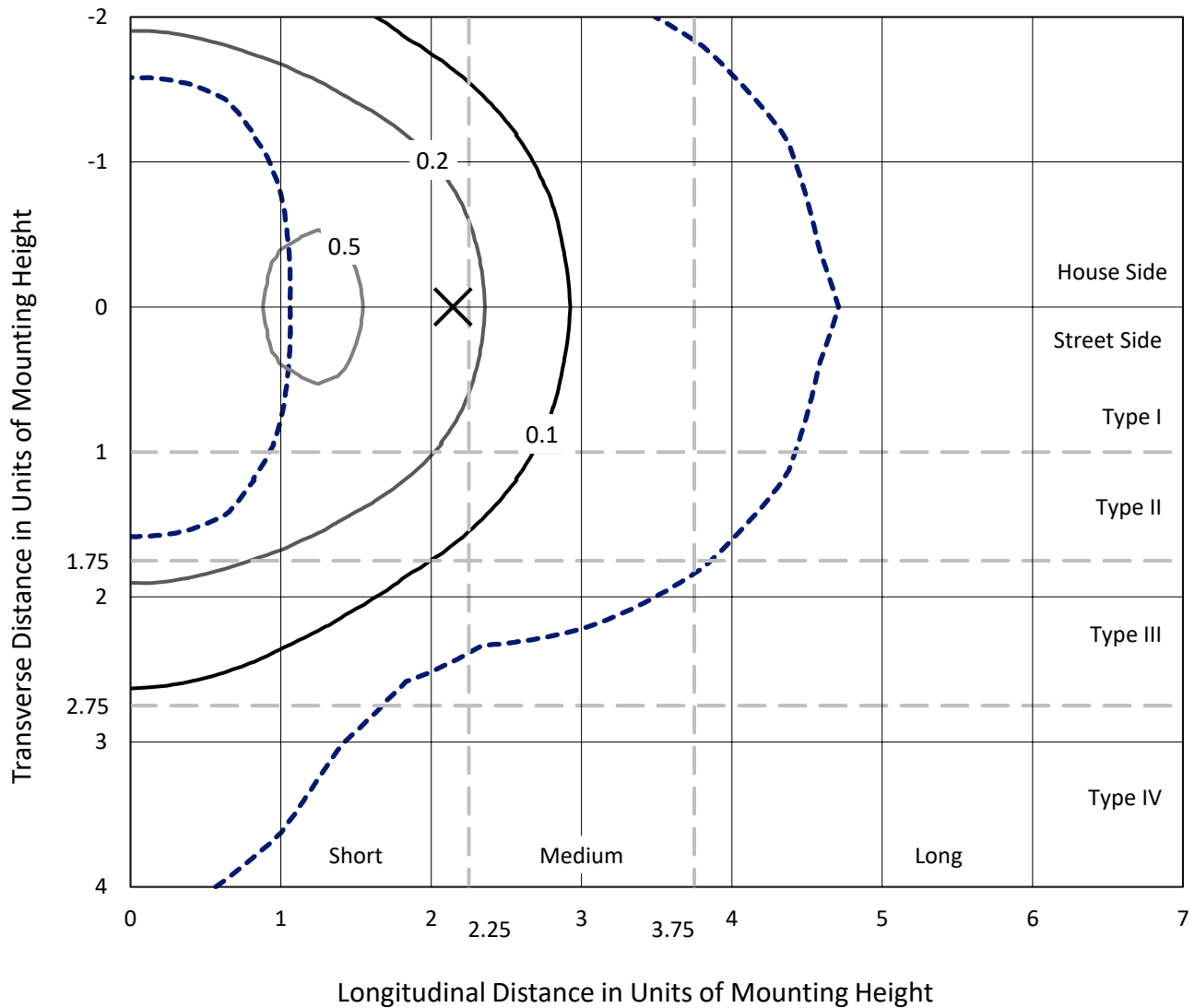


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Iso-Footcandle Lines of Horizontal Illumination

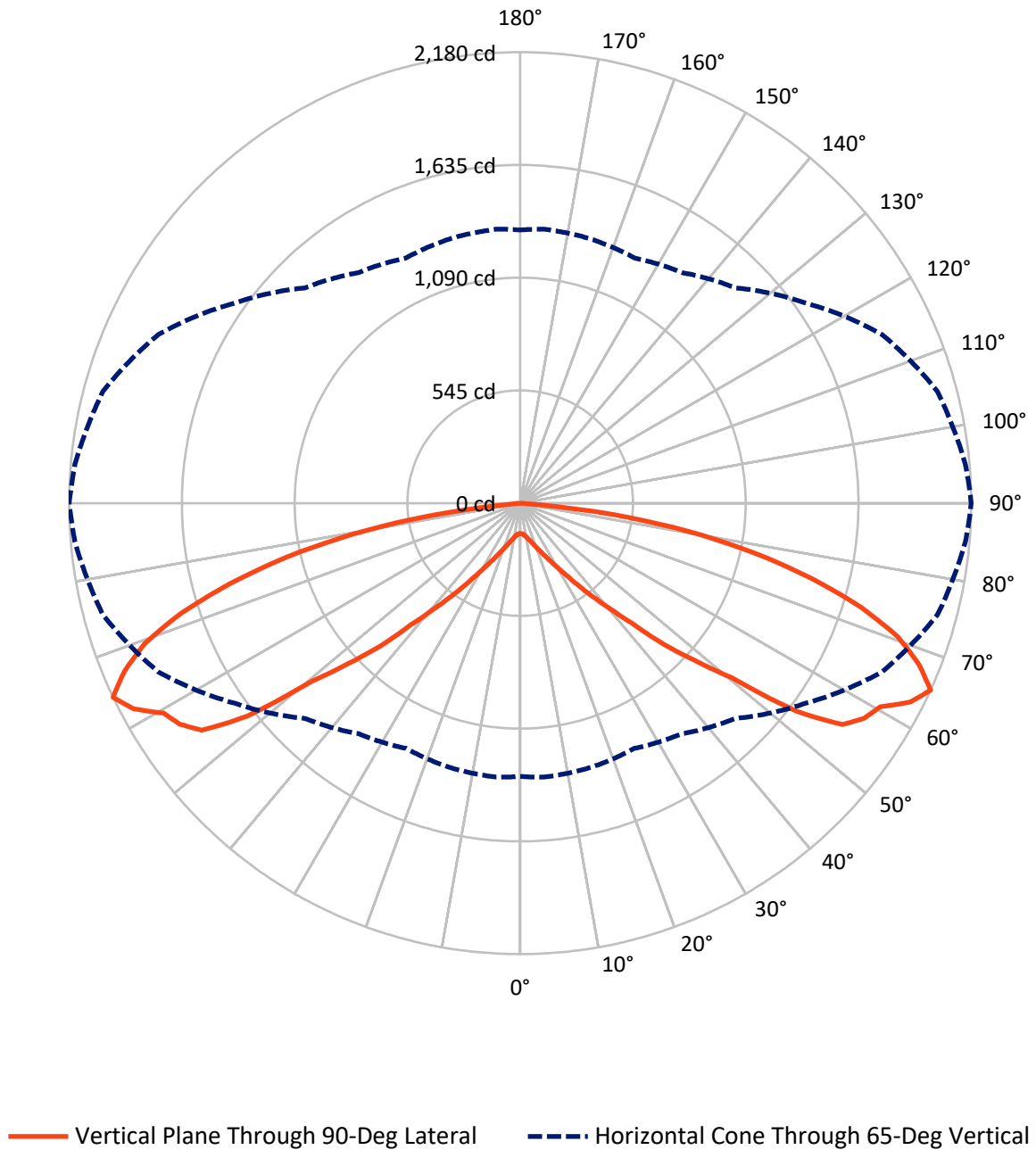
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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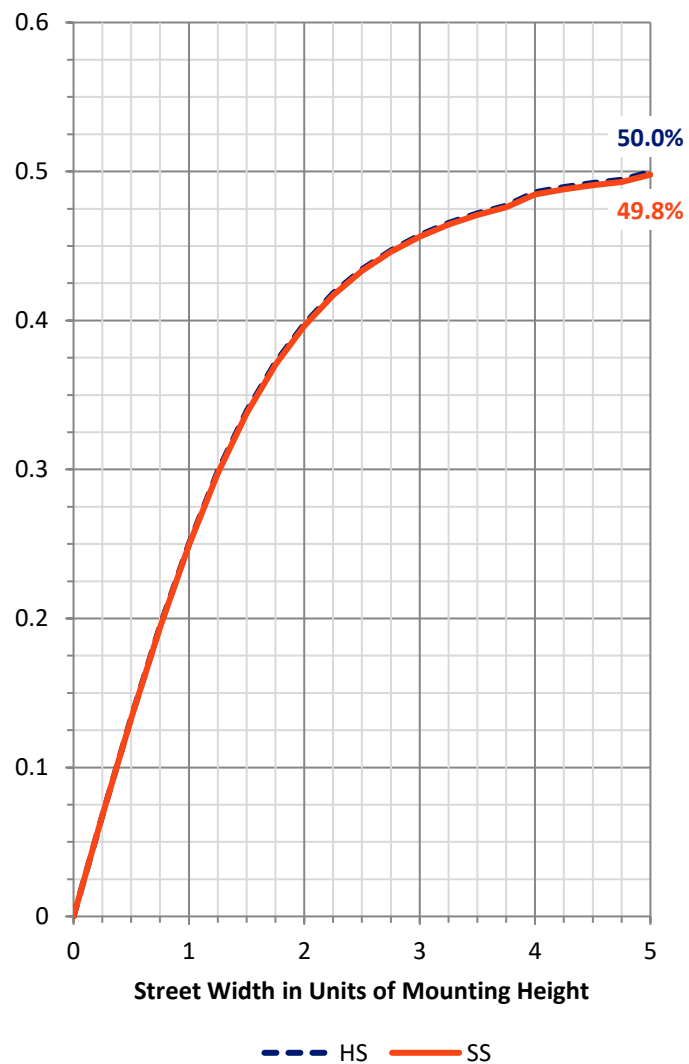
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2563.0	0.0	2563.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2563.0	0.0	2563.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5126.0	0.0	5126.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	0.3
10°-20°	54.4	1.1
20°-30°	125.5	2.4
30°-40°	273.4	5.3
40°-50°	591.3	11.5
50°-60°	1159.0	22.6
60°-70°	1567.0	30.6
70°-80°	1174.8	22.9
80°-90°	165.7	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°	5126.0	100.0
0°-180°	5126.0	100.0

Coefficient of Utilization



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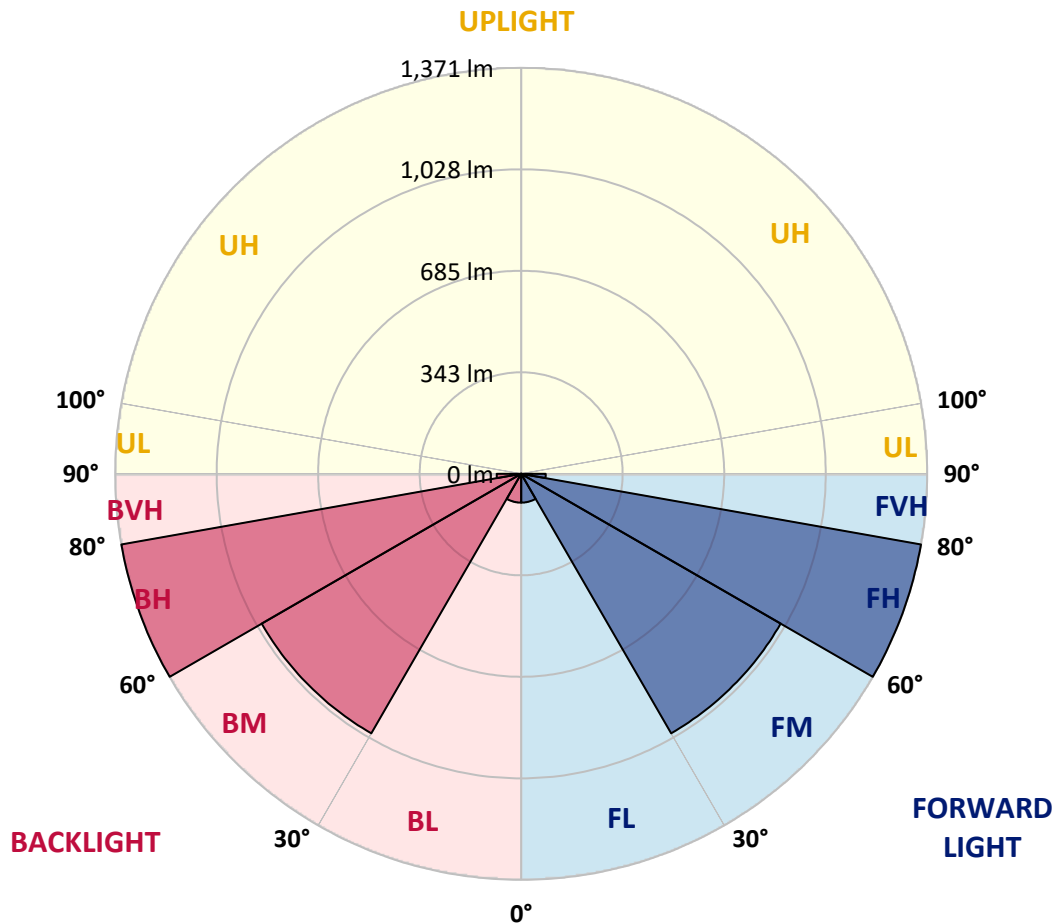
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	97.4	1.9			
FM	(30°-60°)	1011.9	19.7			
FH	(60°-80°)	1370.9	26.7			G1/1800
FVH	(80°-90°)	82.8	1.6			G1/100
BL	(0°-30°)	97.4	1.9	B0/110		
BM	(30°-60°)	1011.9	19.7	B2/2500		
BH	(60°-80°)	1370.9	26.7	B3/2500		G3/2500
BVH	(80°-90°)	82.8	1.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7
2.5°	148.4	148.4	148.4	148.4	147.8	148.4	147.8	147.8	147.8	147.8	147.8
5°	150.6	151.2	151.8	151.8	151.8	151.8	151.8	151.8	151.8	151.2	151.2
7.5°	155.7	156.8	156.8	157.4	157.4	157.4	157.4	157.4	157.4	156.8	156.8
10°	163.6	164.2	164.7	164.7	164.7	165.3	166.4	166.4	166.4	165.9	167.0
12.5°	172.6	173.2	173.2	173.8	174.9	174.9	175.5	176.6	177.2	177.2	178.3
15°	183.4	184.5	184.5	184.5	186.7	187.3	188.4	189.6	190.7	190.7	191.8
17.5°	195.8	197.5	196.9	197.5	200.3	201.4	203.7	204.8	207.6	208.8	209.9
20°	211.0	212.7	212.1	213.3	215.5	218.3	220.6	225.1	227.9	227.9	230.2
22.5°	229.6	231.3	230.2	230.8	234.1	236.4	241.5	246.0	250.5	252.8	255.0
25°	251.1	253.3	251.6	252.8	256.1	259.0	265.2	273.1	278.1	282.1	285.5
27.5°	279.8	282.1	280.4	280.4	284.9	287.2	296.2	305.2	313.7	317.6	320.5
30°	311.4	314.8	312.0	312.0	317.1	319.3	330.1	343.6	355.4	362.2	366.7
32.5°	348.7	350.4	348.1	348.7	352.6	356.6	372.9	391.5	407.9	416.4	422.0
35°	392.1	395.5	389.9	388.7	394.9	402.8	423.7	451.9	476.2	488.0	494.2
37.5°	442.9	444.6	438.9	437.8	447.4	458.7	488.0	525.3	552.3	568.1	576.6
40°	501.0	506.1	497.1	497.6	507.2	524.1	561.9	606.5	643.2	662.4	671.4
42.5°	564.2	574.3	562.5	561.4	578.9	600.9	646.6	704.1	758.8	787.0	794.4
45°	634.2	649.4	638.1	637.0	660.7	689.4	753.8	841.8	912.9	964.8	973.8
47.5°	715.4	730.1	716.5	719.9	747.6	793.8	880.1	986.8	1073.1	1129.5	1137.4
50°	810.2	812.4	804.0	807.4	855.9	916.2	1022.3	1138.0	1264.4	1321.9	1325.9
52.5°	902.7	895.9	889.7	901.0	960.8	1036.4	1169.0	1359.7	1537.4	1650.8	1671.1
55°	994.1	983.4	982.8	999.7	1075.9	1180.9	1351.2	1591.0	1772.7	1867.5	1890.0
57.5°	1081.6	1077.0	1077.6	1091.7	1187.6	1320.8	1519.4	1737.7	1885.5	1949.8	1961.1
60°	1166.2	1174.1	1168.4	1191.6	1295.4	1428.5	1582.6	1794.1	1938.0	1993.9	1999.5
62.5°	1248.6	1256.5	1254.2	1272.8	1342.2	1453.9	1616.4	1863.0	2028.8	2108.4	2116.8
65°	1320.8	1329.2	1321.9	1307.8	1360.8	1471.4	1685.8	1929.5	2087.5	2159.7	2180.0
67.5°	1373.8	1376.1	1348.4	1311.2	1341.1	1432.5	1639.0	1872.6	2010.2	2057.6	2077.4
70°	1403.1	1386.2	1336.0	1263.8	1246.3	1316.8	1521.6	1727.0	1868.6	1917.1	1936.3
72.5°	1370.4	1346.2	1257.0	1142.5	1086.6	1140.8	1341.1	1534.6	1651.4	1700.5	1724.2
75°	1255.3	1218.7	1103.6	961.9	884.1	936.6	1114.8	1288.1	1388.5	1426.3	1453.4
77.5°	1028.5	1000.9	884.1	739.7	659.5	697.3	851.9	987.9	1090.0	1117.1	1155.5
80°	719.3	688.9	612.7	491.4	417.5	435.6	552.9	661.2	749.8	785.9	821.5
82.5°	356.0	332.9	305.2	238.1	182.8	183.9	250.5	301.8	380.8	413.0	449.1
85°	13.0	14.7	17.5	21.4	16.9	13.0	24.3	28.8	19.7	31.0	19.2
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)