

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: P887800

Luminaire Tested: **TT-D4-740-U-RW-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887800
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-D4-740-U-RW-TC
Description: RW
4000K, 70 CRI LEDS, RECTANGULAR DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5407 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

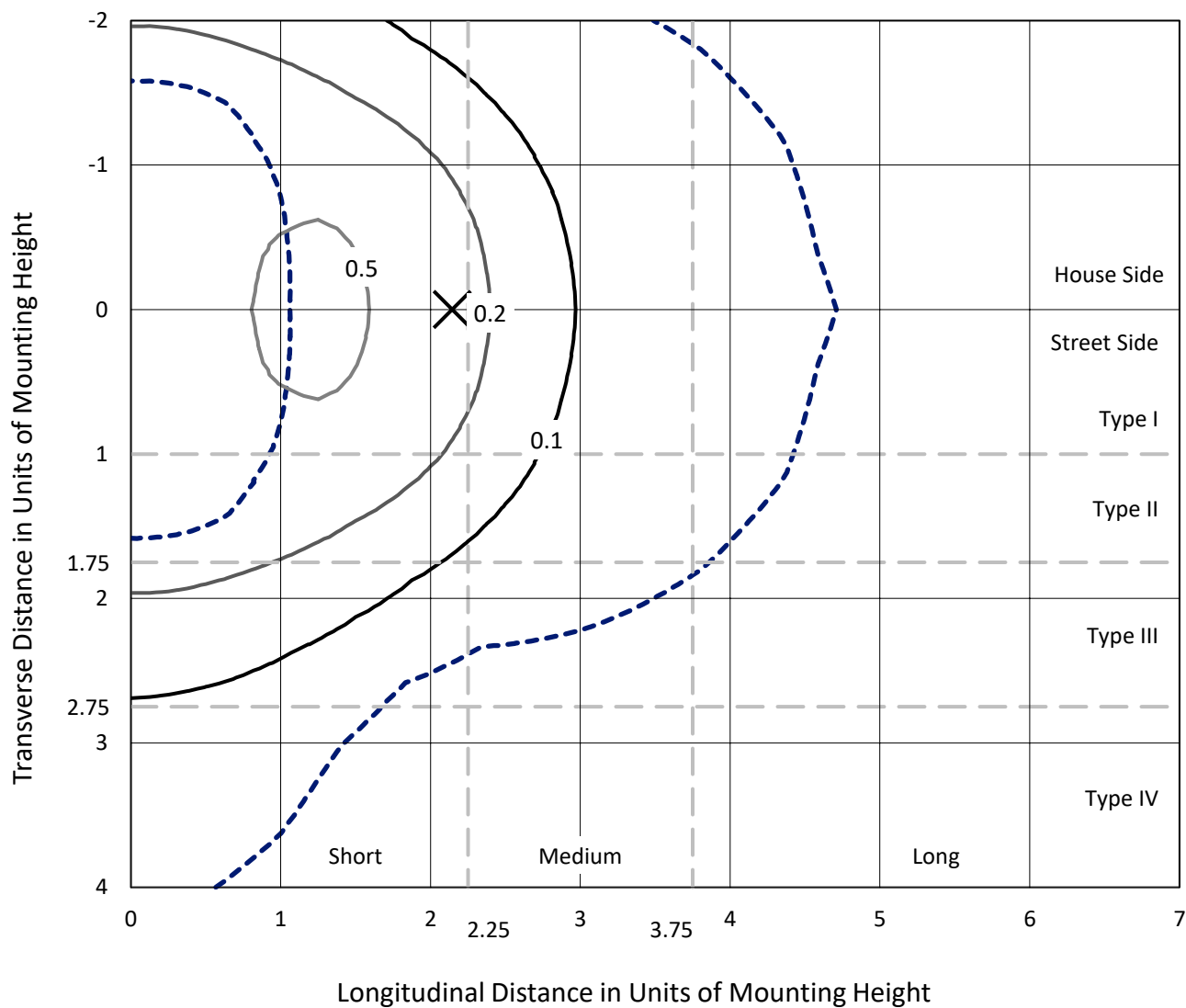
Input Watts (W): 57.6
Input Voltage (V): 120.0
Input Current (Ain): 0.48
Voltage Rise (V): NR
Power Factor: 0.994
Total Harmonic Distortion (THDi): 10.3%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

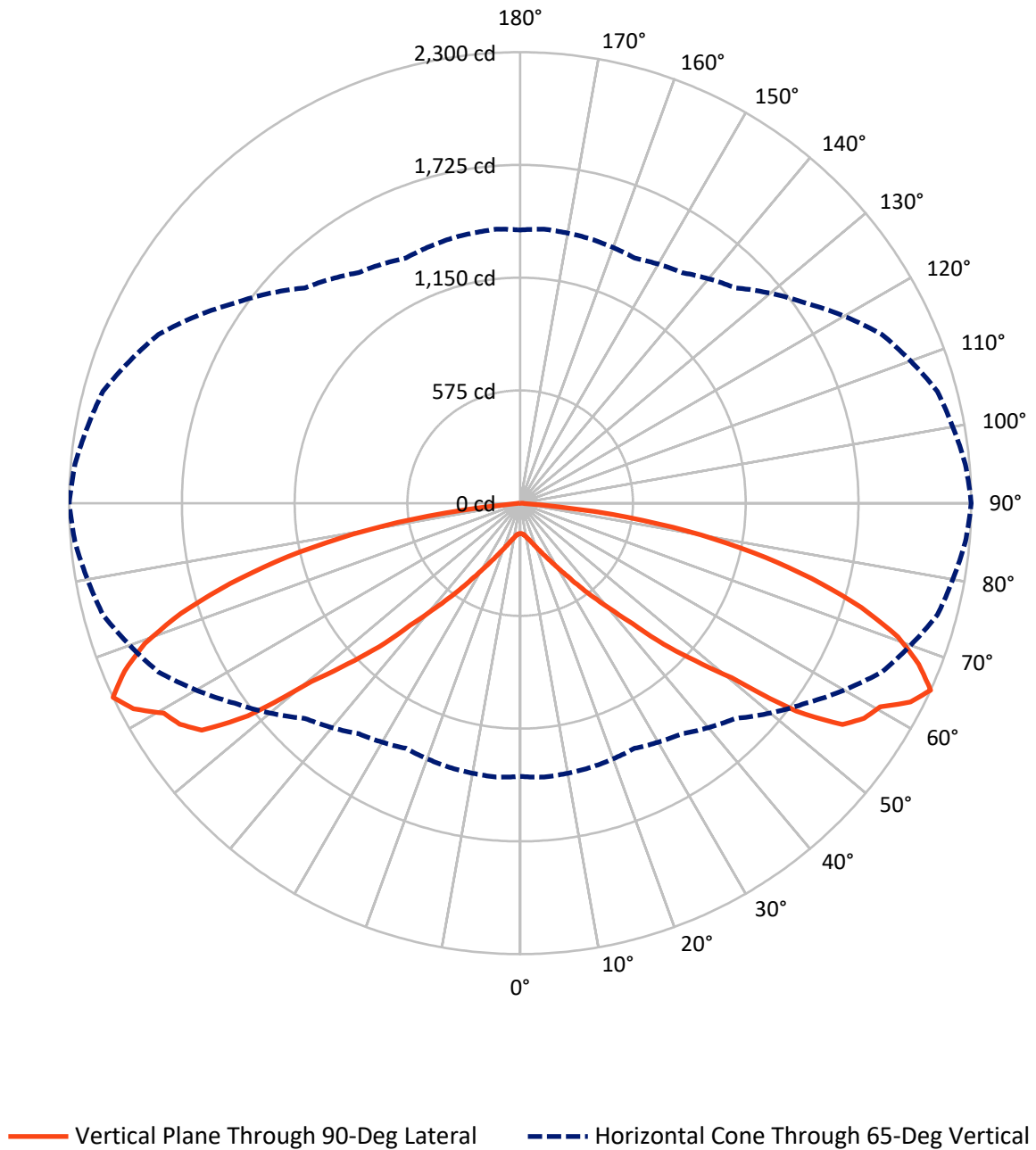
✕ Max cd
 - - - 1/2 Max cd



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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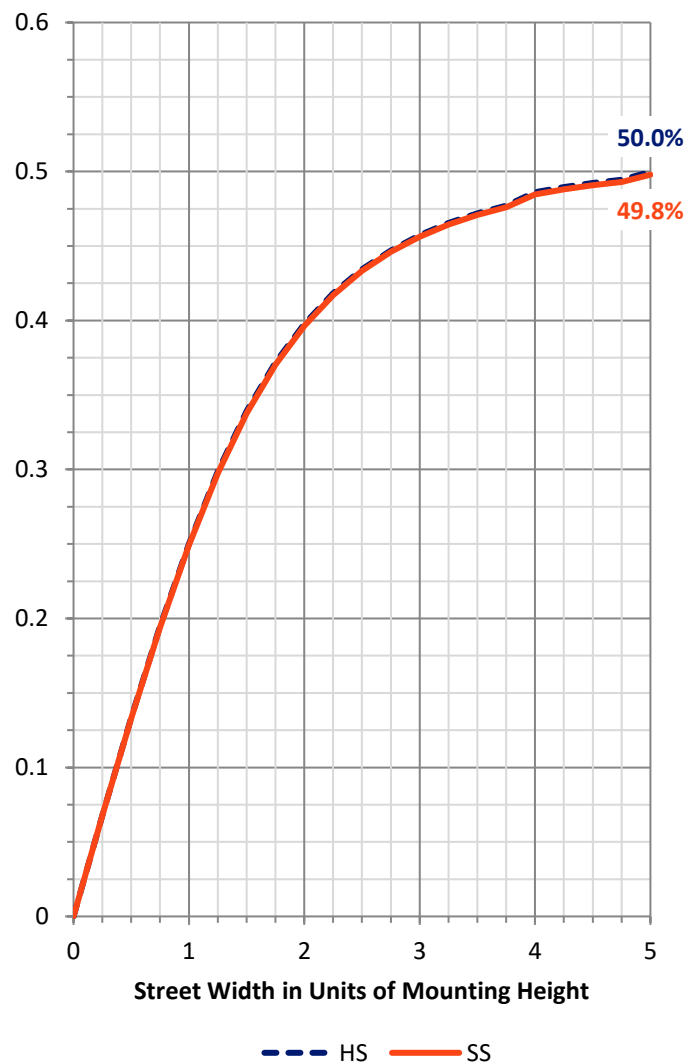
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2703.5	0.0	2703.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2703.5	0.0	2703.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5407.0	0.0	5407.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.3
10°-20°	57.4	1.1
20°-30°	132.4	2.4
30°-40°	288.4	5.3
40°-50°	623.7	11.5
50°-60°	1222.6	22.6
60°-70°	1652.9	30.6
70°-80°	1239.2	22.9
80°-90°	174.7	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°	5407.0	100.0
0°-180°	5407.0	100.0

Coefficient of Utilization



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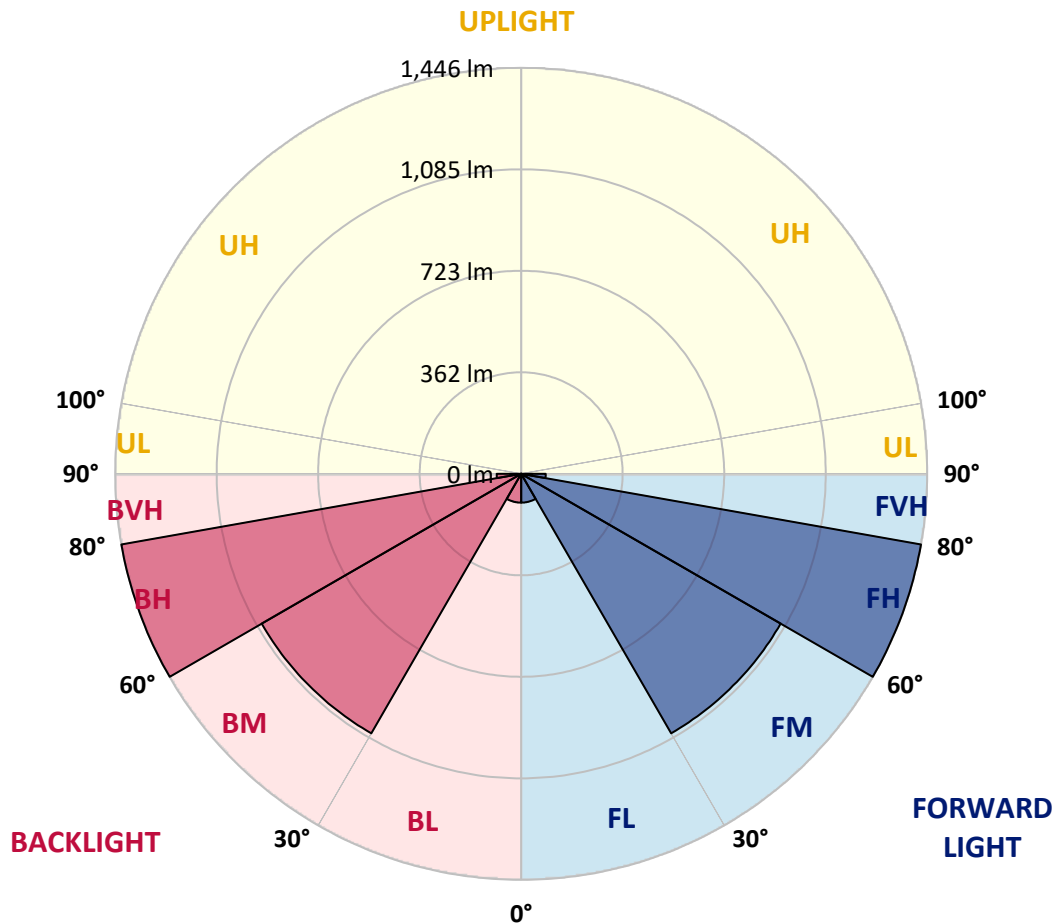
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	102.7	1.9			
FM	(30°-60°)	1067.3	19.7			
FH	(60°-80°)	1446.1	26.7			G1/1800
FVH	(80°-90°)	87.4	1.6			G1/100
BL	(0°-30°)	102.7	1.9	B0/110		
BM	(30°-60°)	1067.3	19.7	B2/2500		
BH	(60°-80°)	1446.1	26.7	B3/2500		G3/2500
BVH	(80°-90°)	87.4	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°	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7
2.5°	156.5	156.5	156.5	156.5	155.9	156.5	155.9	155.9	155.9	155.9	155.9
5°	158.9	159.5	160.1	160.1	160.1	160.1	160.1	160.1	160.1	159.5	159.5
7.5°	164.3	165.4	165.4	166.0	166.0	166.0	166.0	166.0	166.0	165.4	165.4
10°	172.6	173.2	173.8	173.8	173.8	174.4	175.6	175.6	175.6	175.0	176.2
12.5°	182.1	182.7	182.7	183.3	184.5	184.5	185.1	186.3	186.9	186.9	188.1
15°	193.4	194.6	194.6	194.6	197.0	197.6	198.8	200.0	201.2	201.2	202.3
17.5°	206.5	208.3	207.7	208.3	211.3	212.5	214.8	216.0	219.0	220.2	221.4
20°	222.6	224.4	223.8	225.0	227.3	230.3	232.7	237.5	240.4	240.4	242.8
22.5°	242.2	244.0	242.8	243.4	247.0	249.4	254.7	259.5	264.2	266.6	269.0
25°	264.8	267.2	265.4	266.6	270.2	273.2	279.7	288.0	293.4	297.6	301.1
27.5°	295.2	297.6	295.8	295.8	300.5	302.9	312.4	322.0	330.9	335.1	338.0
30°	328.5	332.1	329.1	329.1	334.5	336.8	348.1	362.4	374.9	382.1	386.8
32.5°	367.8	369.6	367.2	367.8	372.0	376.1	393.4	413.0	430.3	439.2	445.1
35°	413.6	417.2	411.2	410.0	416.6	424.9	446.9	476.7	502.3	514.8	521.3
37.5°	467.2	469.0	463.0	461.8	471.9	483.8	514.8	554.1	582.6	599.3	608.2
40°	528.5	533.8	524.3	524.9	535.0	552.9	592.7	639.8	678.4	698.7	708.2
42.5°	595.1	605.8	593.3	592.1	610.6	633.8	682.0	742.7	800.4	830.2	837.9
45°	668.9	685.0	673.1	671.9	696.9	727.2	795.1	887.9	962.9	1017.7	1027.2
47.5°	754.6	770.1	755.8	759.4	788.5	837.3	928.4	1040.9	1131.9	1191.4	1199.8
50°	854.6	857.0	848.0	851.6	902.8	966.5	1078.4	1200.4	1333.7	1394.4	1398.5
52.5°	952.2	945.1	938.5	950.4	1013.5	1093.2	1233.1	1434.2	1621.7	1741.3	1762.7
55°	1048.6	1037.3	1036.7	1054.6	1134.9	1245.6	1425.3	1678.2	1869.9	1969.8	1993.7
57.5°	1140.8	1136.1	1136.7	1151.6	1252.7	1393.2	1602.7	1833.0	1988.9	2056.7	2068.6
60°	1230.1	1238.4	1232.5	1256.9	1366.4	1506.8	1669.3	1892.5	2044.2	2103.2	2109.1
62.5°	1317.0	1325.3	1323.0	1342.6	1415.8	1533.6	1705.0	1965.1	2140.1	2224.0	2232.9
65°	1393.2	1402.1	1394.4	1379.5	1435.4	1552.1	1778.2	2035.3	2201.9	2278.1	2299.5
67.5°	1449.1	1451.5	1422.3	1383.1	1414.6	1511.0	1728.8	1975.2	2120.4	2170.4	2191.2
70°	1480.1	1462.2	1409.2	1333.1	1314.6	1389.0	1605.0	1821.7	1971.0	2022.2	2042.5
72.5°	1445.5	1420.0	1325.9	1205.1	1146.2	1203.3	1414.6	1618.7	1741.9	1793.7	1818.7
75°	1324.1	1285.5	1164.1	1014.7	932.6	987.9	1176.0	1358.7	1464.6	1504.5	1533.0
77.5°	1084.9	1055.7	932.6	780.2	695.7	735.6	898.6	1042.1	1149.8	1178.3	1218.8
80°	758.8	726.6	646.3	518.3	440.4	459.4	583.2	697.5	790.9	829.0	866.5
82.5°	375.5	351.1	322.0	251.1	192.8	194.0	264.2	318.4	401.7	435.6	473.7
85°	13.7	15.5	18.4	22.6	17.9	13.7	25.6	30.4	20.8	32.7	20.2
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)