

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: P887801

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

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887801
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-D4-740-U-WQ-TC
Description: WQ
4000K, 70 CRI LEDS, WIDE DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6494 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

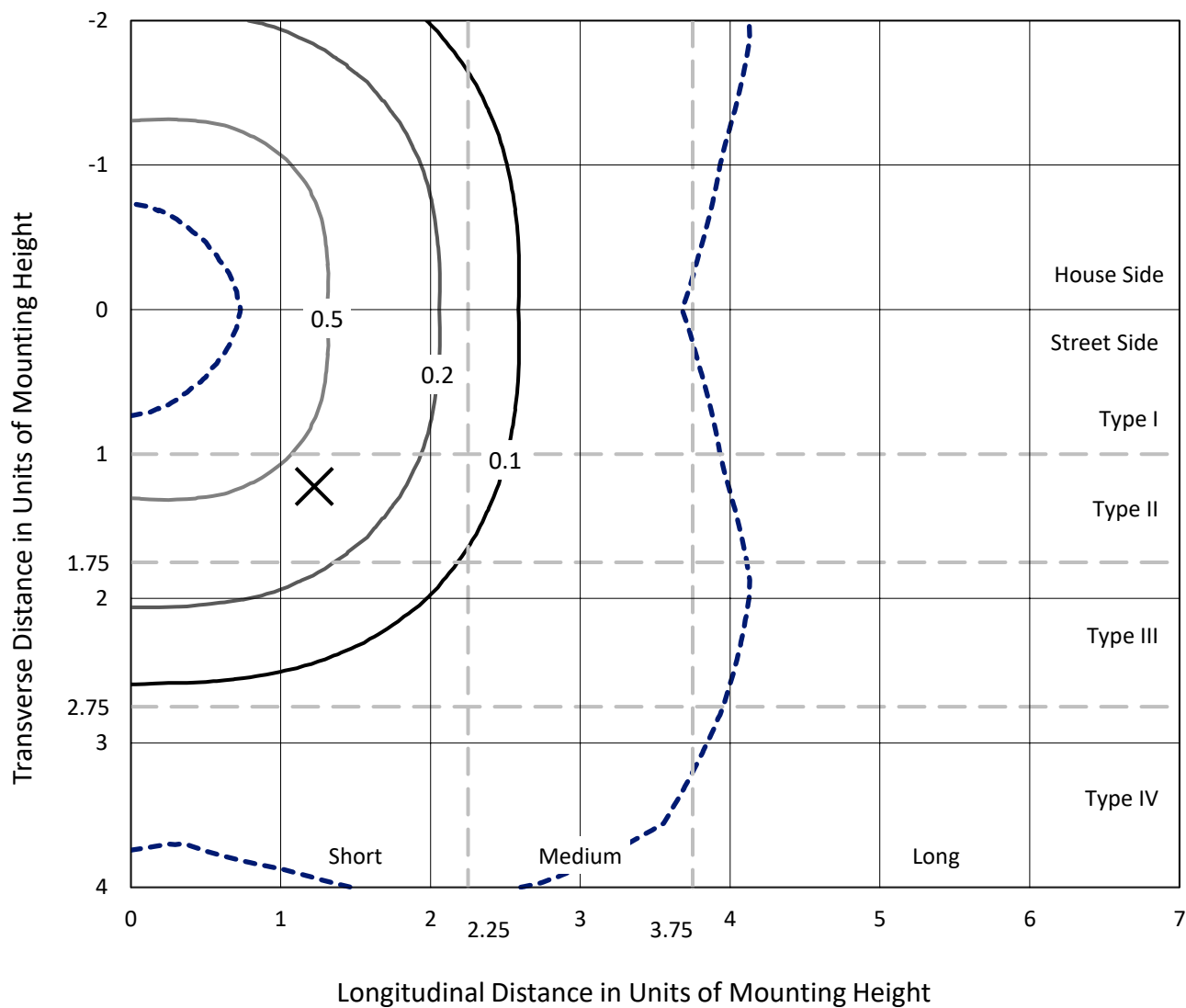
Input Watts (W): 57.6
Input Voltage (V): 120.0
Input Current (Ain): 0.48
Voltage Rise (V): NR
Power Factor: 0.994
Total Harmonic Distortion (THDi): 10.3%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

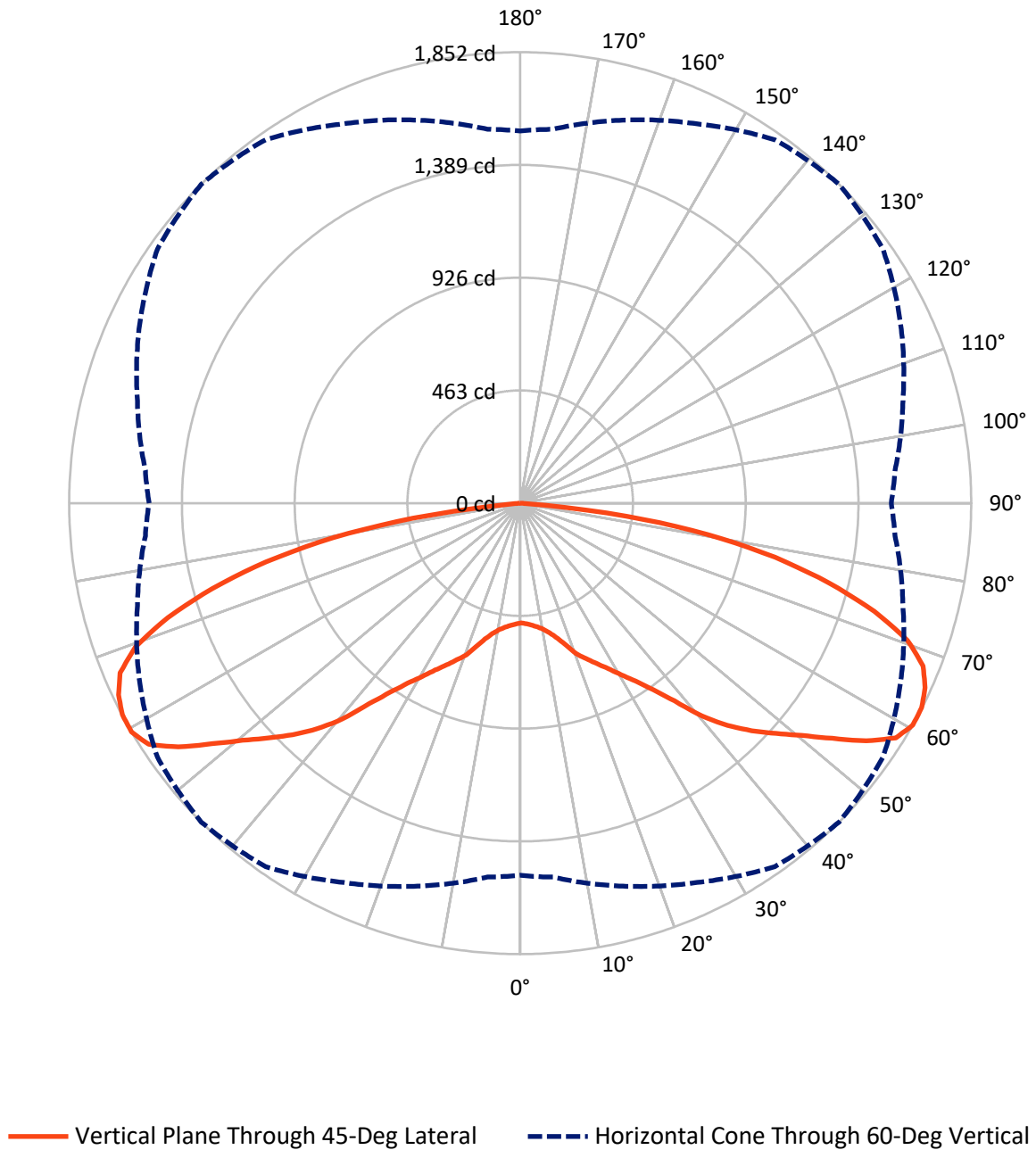
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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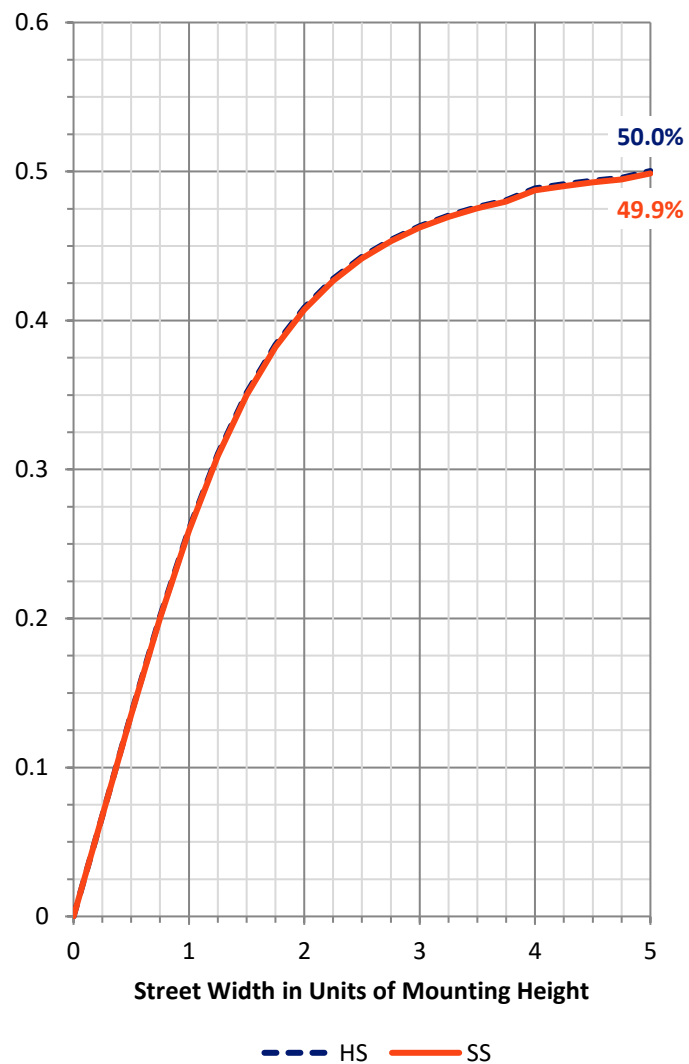
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3247.0	0.0	3247.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3247.0	0.0	3247.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6494.0	0.0	6494.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	0.8
10°-20°	166.4	2.6
20°-30°	337.8	5.2
30°-40°	589.3	9.1
40°-50°	984.0	15.2
50°-60°	1425.6	22.0
60°-70°	1622.4	25.0
70°-80°	1154.6	17.8
80°-90°	165.2	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°	6494.0	100.0
0°-180°	6494.0	100.0

Coefficient of Utilization



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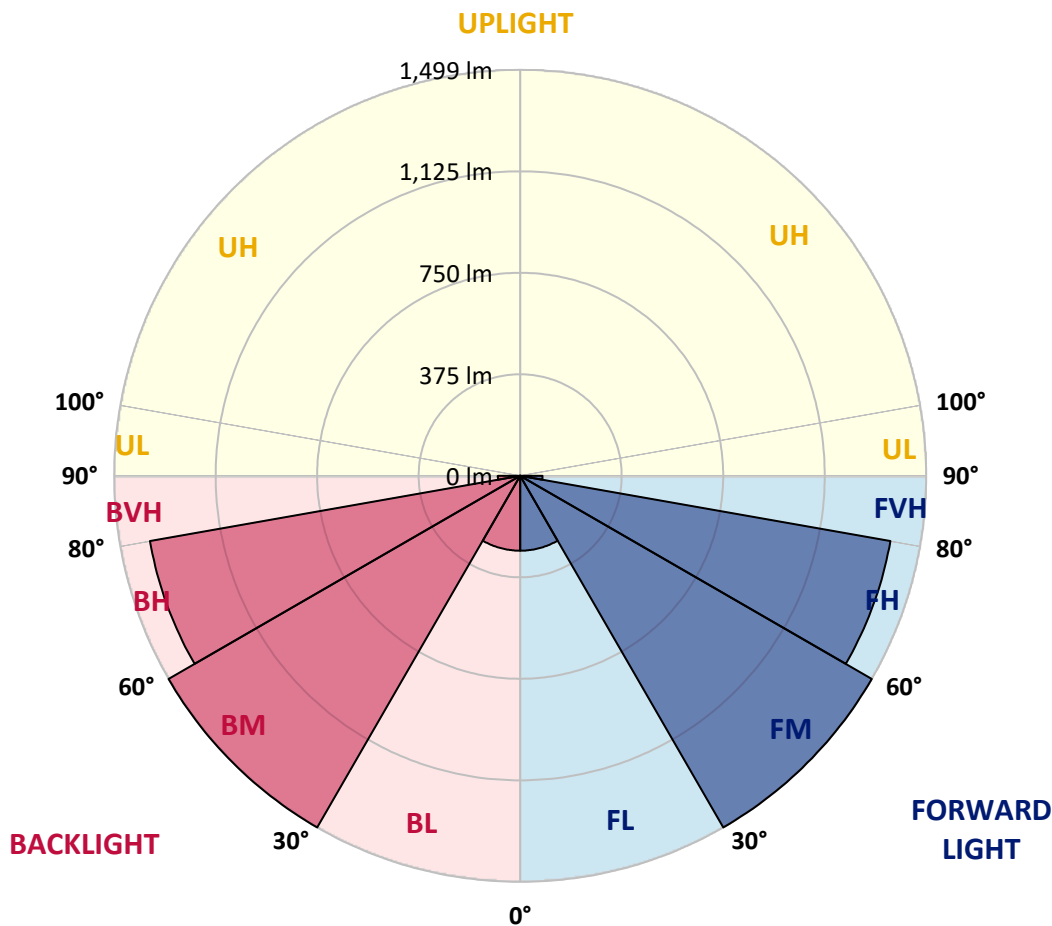
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	276.5	4.3			
FM	(30°-60°)	1499.4	23.1			
FH	(60°-80°)	1388.5	21.4			G1/1800
FVH	(80°-90°)	82.6	1.3			G1/100
BL	(0°-30°)	276.5	4.3	B1/500		
BM	(30°-60°)	1499.4	23.1	B2/2500		
BH	(60°-80°)	1388.5	21.4	B3/2500		G1/1800
BVH	(80°-90°)	82.6	1.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	491.5	491.5	491.5	491.5	491.5	491.5	491.5	491.5	491.5	491.5	491.5
2.5°	497.5	497.5	497.5	497.5	497.5	496.3	496.3	497.5	497.5	497.5	498.7
5°	503.5	504.6	503.5	504.6	503.5	503.5	503.5	504.6	504.6	504.6	504.6
7.5°	513.0	513.0	511.8	513.0	511.8	513.0	513.0	514.2	514.2	514.2	514.2
10°	528.4	528.4	528.4	528.4	527.3	527.3	528.4	529.6	530.8	530.8	530.8
12.5°	548.7	548.7	548.7	551.1	548.7	547.5	547.5	549.9	551.1	549.9	548.7
15°	572.5	572.5	573.7	576.1	576.1	576.1	574.9	574.9	576.1	573.7	572.5
17.5°	604.6	604.6	604.6	609.4	612.9	614.1	610.6	608.2	608.2	605.8	603.4
20°	646.3	647.5	647.5	652.2	658.2	660.6	657.0	652.2	651.0	647.5	646.3
22.5°	680.8	683.2	684.4	687.9	692.7	693.9	693.9	689.1	687.9	685.6	680.8
25°	714.1	716.5	717.7	724.8	729.6	729.6	730.8	724.8	722.4	718.9	714.1
27.5°	751.0	751.0	752.2	761.7	770.1	768.9	768.9	764.1	759.3	753.4	752.2
30°	790.3	792.7	792.7	804.6	814.1	817.7	812.9	808.1	801.0	795.0	791.5
32.5°	835.5	836.7	841.5	858.1	867.6	871.2	868.8	860.5	848.6	842.7	839.1
35°	886.7	887.9	899.8	922.4	936.7	940.3	940.3	923.6	908.1	895.0	889.1
37.5°	958.1	961.7	980.7	1009.3	1036.7	1030.7	1040.2	1010.5	986.7	968.8	960.5
40°	1047.4	1050.9	1079.5	1111.6	1148.5	1149.7	1153.3	1112.8	1081.9	1059.3	1049.7
42.5°	1114.0	1124.7	1160.4	1202.1	1234.2	1247.3	1240.2	1203.3	1161.6	1133.1	1122.4
45°	1184.2	1195.0	1237.8	1284.2	1318.7	1333.0	1321.1	1285.4	1241.4	1204.5	1191.4
47.5°	1254.5	1265.2	1309.2	1360.4	1403.2	1412.8	1405.6	1362.8	1311.6	1271.1	1258.0
50°	1323.5	1336.6	1379.4	1443.7	1491.3	1498.5	1493.7	1444.9	1380.6	1339.0	1330.6
52.5°	1384.2	1404.4	1467.5	1533.0	1597.2	1604.4	1600.8	1531.8	1459.2	1405.6	1381.8
55°	1458.0	1471.1	1536.5	1643.7	1697.2	1723.4	1705.5	1636.5	1538.9	1478.2	1460.4
57.5°	1523.4	1535.3	1597.2	1700.8	1781.7	1818.6	1788.9	1702.0	1599.6	1531.8	1527.0
60°	1528.2	1541.3	1628.2	1718.6	1822.2	1851.9	1818.6	1724.6	1627.0	1544.9	1523.4
62.5°	1500.8	1517.5	1600.8	1736.5	1831.7	1849.6	1822.2	1725.8	1606.8	1525.8	1502.0
65°	1497.3	1504.4	1577.0	1718.6	1791.2	1826.9	1792.4	1712.7	1584.1	1506.8	1486.5
67.5°	1408.0	1405.6	1503.2	1629.4	1744.8	1784.1	1741.3	1631.8	1511.5	1417.5	1393.7
70°	1290.2	1284.2	1380.6	1519.9	1635.3	1686.5	1632.9	1524.6	1392.5	1293.7	1275.9
72.5°	1133.1	1122.4	1221.1	1369.9	1480.6	1521.1	1478.2	1374.7	1234.2	1140.2	1112.8
75°	929.5	915.3	1024.8	1167.6	1268.7	1311.6	1262.8	1181.9	1042.6	946.2	909.3
77.5°	696.3	677.2	780.8	929.5	1018.8	1070.0	1017.6	941.4	804.6	709.4	679.6
80°	447.5	422.5	505.8	654.6	732.0	782.0	722.4	660.6	528.4	449.9	428.5
82.5°	182.1	160.7	215.4	323.7	384.4	442.8	380.9	327.3	230.9	179.7	165.4
85°	13.1	7.1	10.7	13.1	10.7	20.2	8.3	10.7	9.5	9.5	9.5
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)