

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: P887905

Luminaire Tested: **TT-D5-830-U-MQ-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/9/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D5-830-U-MQ-TC
Description: MQ
3000K, 80 CRI LEDS, MEDIUM DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7458 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 74.7
Input Voltage (V): 120.0
Input Current (Ain): 0.62
Voltage Rise (V): NR
Power Factor: 0.995
Total Harmonic Distortion (THDi): 9.98%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



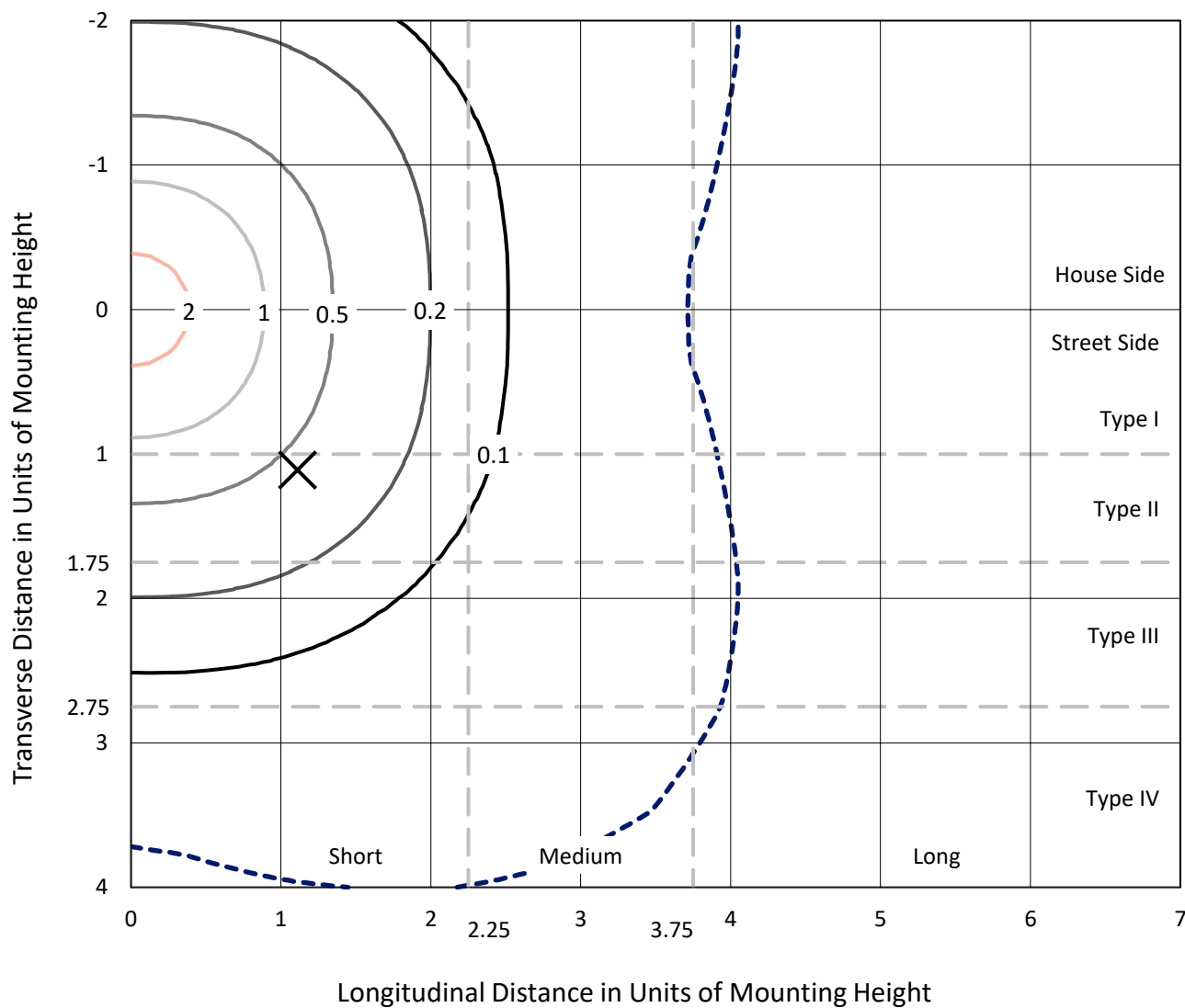
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

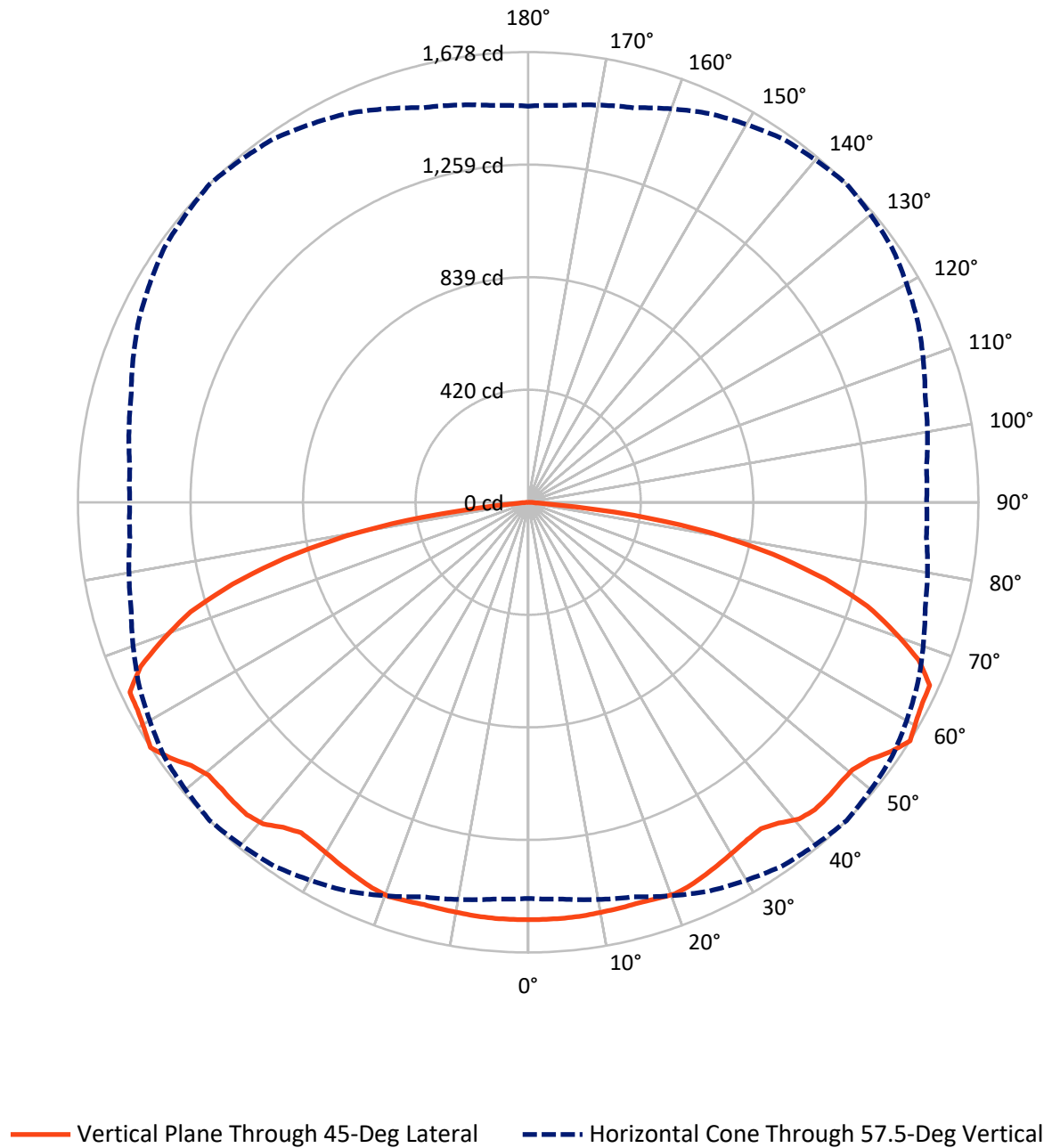
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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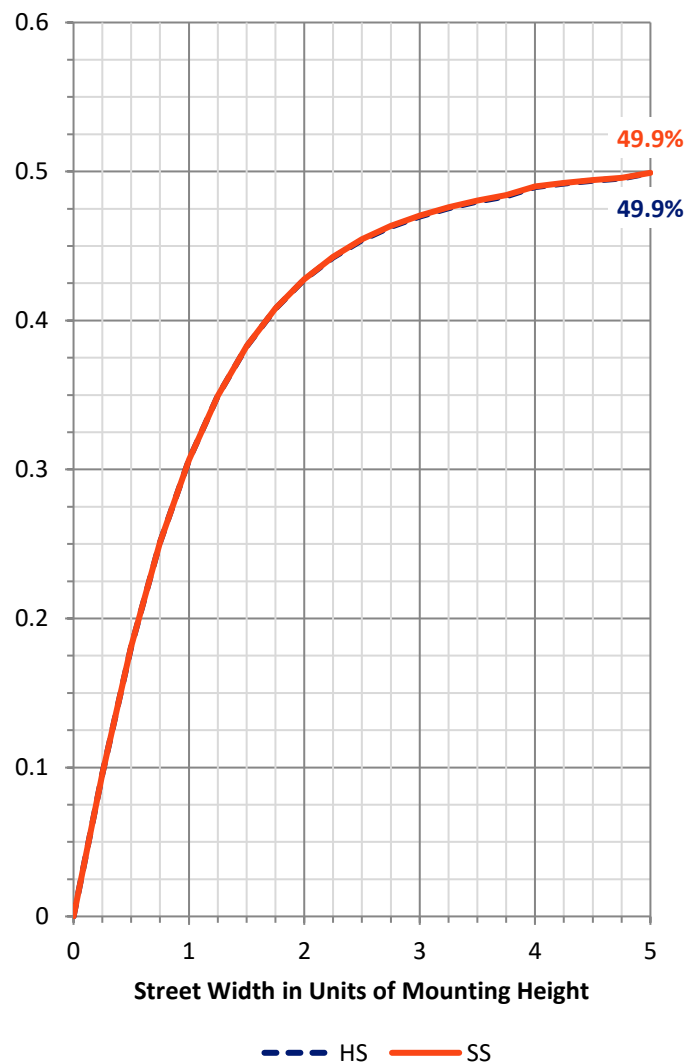
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3729.0	0.0	3729.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3729.0	0.0	3729.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7458.0	0.0	7458.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.4	2.0
10°-20°	439.6	5.9
20°-30°	708.6	9.5
30°-40°	940.4	12.6
40°-50°	1181.2	15.8
50°-60°	1392.9	18.7
60°-70°	1462.1	19.6
70°-80°	1027.7	13.8
80°-90°	157.2	2.1
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°	7458.0	100.0
0°-180°	7458.0	100.0

Coefficient of Utilization



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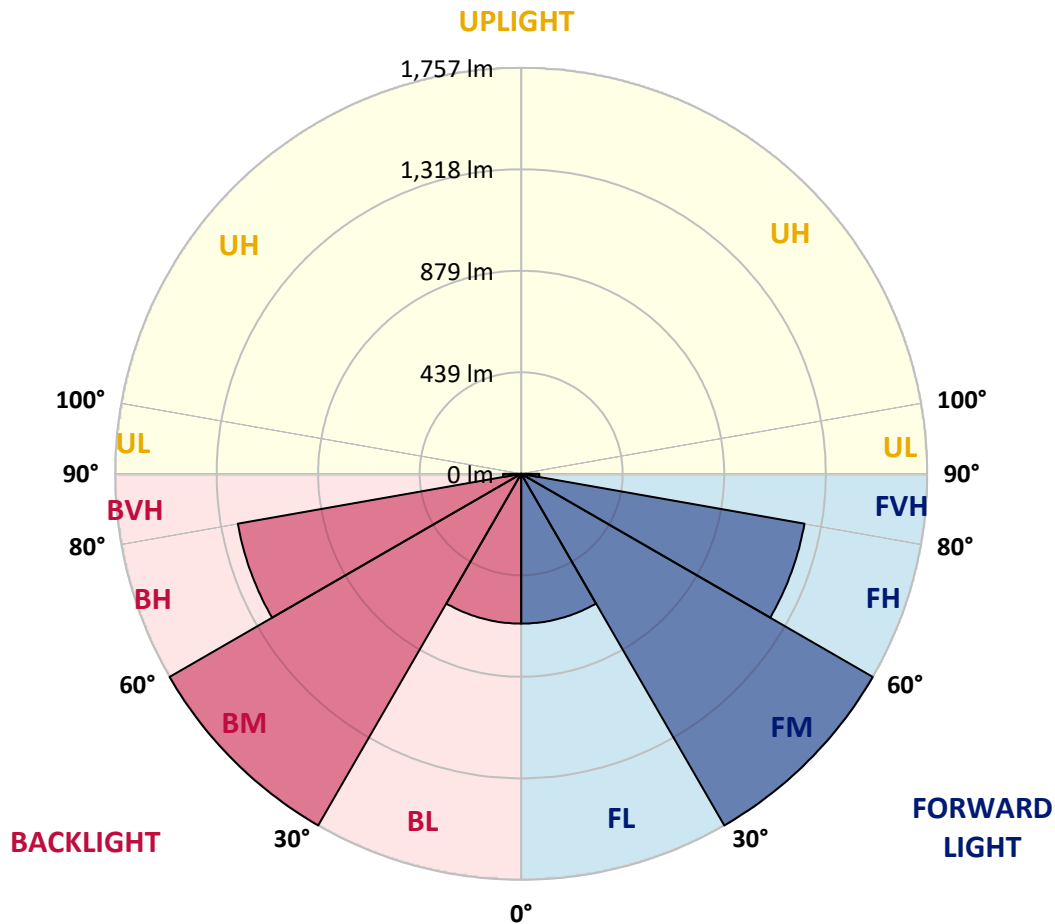
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	648.3	8.7			
FM	(30°-60°)	1757.2	23.6			
FH	(60°-80°)	1244.9	16.7			G1/1800
FVH	(80°-90°)	78.6	1.1			G1/100
BL	(0°-30°)	648.3	8.7	B2/1000		
BM	(30°-60°)	1757.2	23.6	B2/2500		
BH	(60°-80°)	1244.9	16.7	B3/2500		G1/1800
BVH	(80°-90°)	78.6	1.1			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°	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0
2.5°	1557.4	1557.4	1557.4	1556.0	1554.7	1556.0	1554.7	1556.0	1556.0	1556.0	1557.4
5°	1557.4	1557.4	1557.4	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0
7.5°	1556.0	1556.0	1554.7	1554.7	1554.7	1554.7	1554.7	1554.7	1554.7	1554.7	1554.7
10°	1554.7	1554.7	1553.4	1553.4	1552.0	1552.0	1552.0	1553.4	1553.4	1553.4	1553.4
12.5°	1550.7	1552.0	1552.0	1550.7	1550.7	1550.7	1549.3	1550.7	1550.7	1549.3	1549.3
15°	1548.0	1549.3	1549.3	1549.3	1549.3	1549.3	1548.0	1549.3	1548.0	1548.0	1548.0
17.5°	1548.0	1548.0	1549.3	1550.7	1552.0	1553.4	1550.7	1550.7	1548.0	1546.6	1546.6
20°	1550.7	1550.7	1552.0	1553.4	1557.4	1558.7	1557.4	1553.4	1552.0	1549.3	1549.3
22.5°	1542.6	1544.0	1545.3	1545.3	1548.0	1550.7	1549.3	1546.6	1544.0	1542.6	1542.6
25°	1531.9	1531.9	1531.9	1534.6	1537.2	1537.2	1535.9	1534.6	1531.9	1530.5	1530.5
27.5°	1517.1	1515.8	1517.1	1519.8	1522.5	1523.8	1522.5	1521.1	1517.1	1517.1	1515.8
30°	1501.0	1499.7	1502.3	1505.0	1509.1	1510.4	1509.1	1506.4	1502.3	1501.0	1499.7
32.5°	1484.9	1484.9	1487.6	1491.6	1497.0	1499.7	1497.0	1494.3	1487.6	1484.9	1484.9
35°	1470.1	1470.1	1476.8	1484.9	1491.6	1494.3	1491.6	1487.6	1479.5	1472.8	1472.8
37.5°	1471.5	1474.1	1483.5	1502.3	1513.1	1517.1	1514.4	1502.3	1488.9	1478.2	1474.1
40°	1491.6	1494.3	1510.4	1529.2	1546.6	1553.4	1548.0	1531.9	1513.1	1497.0	1494.3
42.5°	1492.9	1494.3	1513.1	1537.2	1557.4	1566.8	1560.1	1539.9	1517.1	1498.3	1495.6
45°	1482.2	1486.2	1507.7	1535.9	1557.4	1566.8	1557.4	1539.9	1511.7	1490.3	1488.9
47.5°	1471.5	1474.1	1498.3	1529.2	1554.7	1564.1	1556.0	1531.9	1501.0	1478.2	1476.8
50°	1463.4	1466.1	1487.6	1527.9	1556.0	1566.8	1557.4	1531.9	1494.3	1471.5	1470.1
52.5°	1460.7	1463.4	1498.3	1541.3	1584.2	1593.6	1582.9	1544.0	1503.7	1468.8	1468.8
55°	1467.4	1468.8	1515.8	1580.2	1620.5	1640.6	1623.2	1581.6	1525.2	1479.5	1474.1
57.5°	1476.8	1484.9	1522.5	1599.0	1654.1	1678.2	1655.4	1601.7	1531.9	1490.3	1484.9
60°	1444.6	1456.7	1509.1	1574.8	1637.9	1660.8	1642.0	1582.9	1509.1	1455.4	1454.0
62.5°	1386.9	1392.3	1463.4	1546.6	1619.1	1648.7	1623.2	1558.7	1468.8	1412.4	1405.7
65°	1370.8	1377.5	1428.5	1531.9	1607.1	1644.7	1619.1	1539.9	1436.6	1376.1	1370.8
67.5°	1272.8	1287.5	1361.4	1452.7	1537.2	1569.5	1545.3	1475.5	1361.4	1287.5	1276.8
70°	1156.0	1173.4	1243.2	1343.9	1415.1	1448.6	1419.1	1362.7	1241.9	1170.7	1158.6
72.5°	1020.4	1031.1	1111.7	1193.6	1282.2	1322.4	1284.8	1212.3	1107.6	1021.7	1016.3
75°	833.7	852.5	942.5	1017.7	1100.9	1143.9	1115.7	1031.1	931.7	839.1	832.4
77.5°	637.7	644.4	737.1	824.3	894.2	933.1	910.3	829.7	727.7	636.4	628.3
80°	422.9	428.3	502.1	581.3	648.5	691.4	664.6	592.1	480.6	414.9	405.5
82.5°	182.6	186.6	230.9	298.1	358.5	396.1	374.6	306.1	212.1	171.8	162.5
85°	14.8	13.4	14.8	17.5	17.5	36.2	30.9	26.9	10.7	13.4	10.7
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)