

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: P887881

Luminaire Tested: **TT-D5-735-U-MQ-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887881
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-D5-735-U-MQ-TC
Description: MQ
3500K, 70 CRI LEDS, MEDIUM DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7890 lumens
Efficiency: N/A
Efficacy: 105.6 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



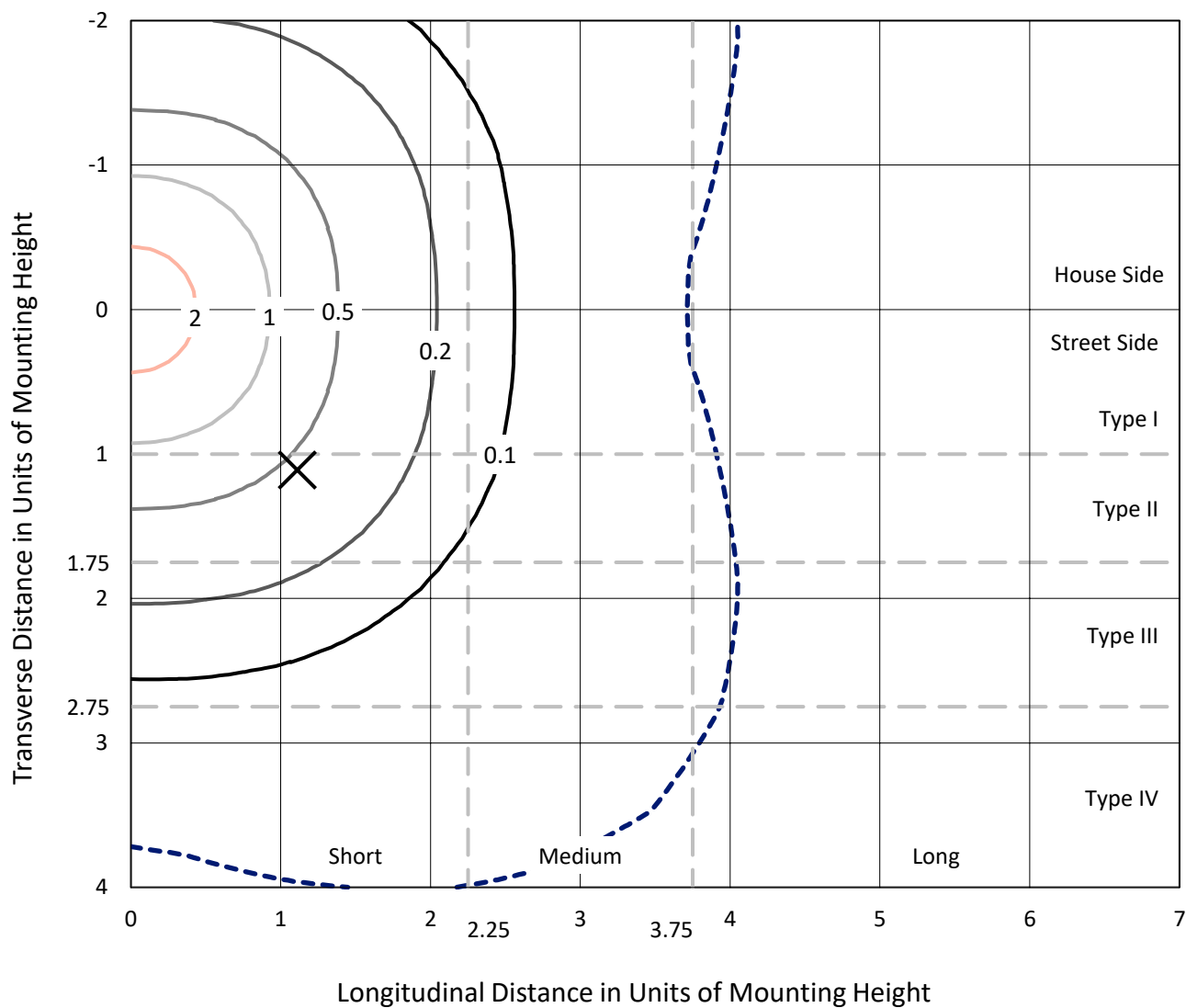
REPORT NUMBER: P887881

CATALOG NUMBER: TT-D5-735-U-MQ-TC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



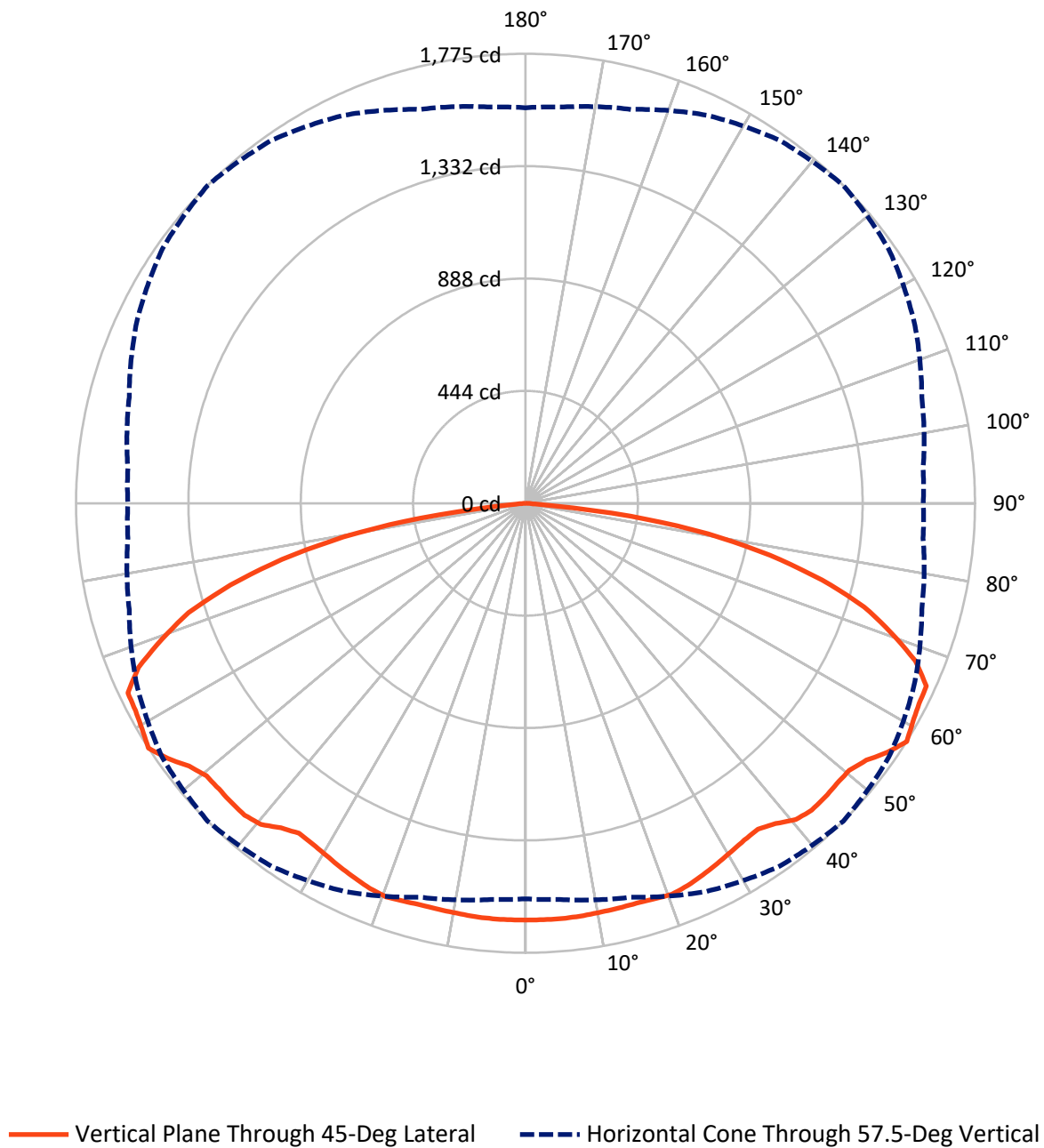
Based on 25 foot mounting height. Maximum calculated value = 2.6 fc

Type V - Short - N/A

REPORT NUMBER: P887881

CATALOG NUMBER: TT-D5-735-U-MQ-TC

Luminous Intensity Polar Plot



REPORT NUMBER: P887881

CATALOG NUMBER: TT-D5-735-U-MQ-TC

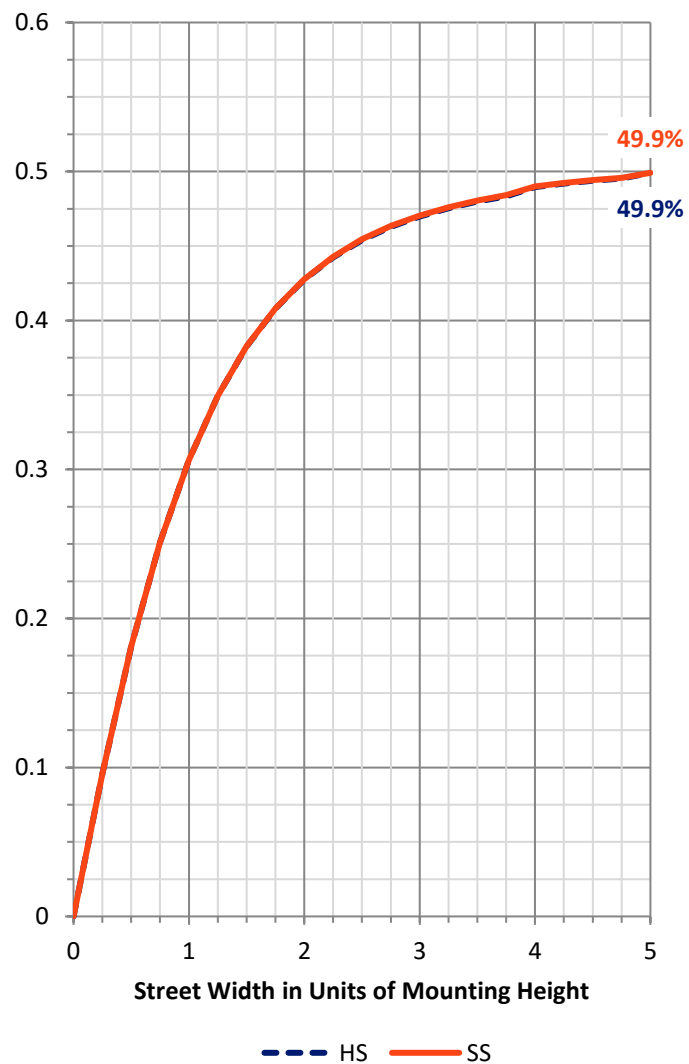
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3945.0	0.0	3945.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3945.0	0.0	3945.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7890.0	0.0	7890.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.0	2.0
10°-20°	465.0	5.9
20°-30°	749.6	9.5
30°-40°	994.9	12.6
40°-50°	1249.6	15.8
50°-60°	1473.6	18.7
60°-70°	1546.8	19.6
70°-80°	1087.2	13.8
80°-90°	166.3	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°	7890.0	100.0
0°-180°	7890.0	100.0

Coefficient of Utilization



REPORT NUMBER: P887881

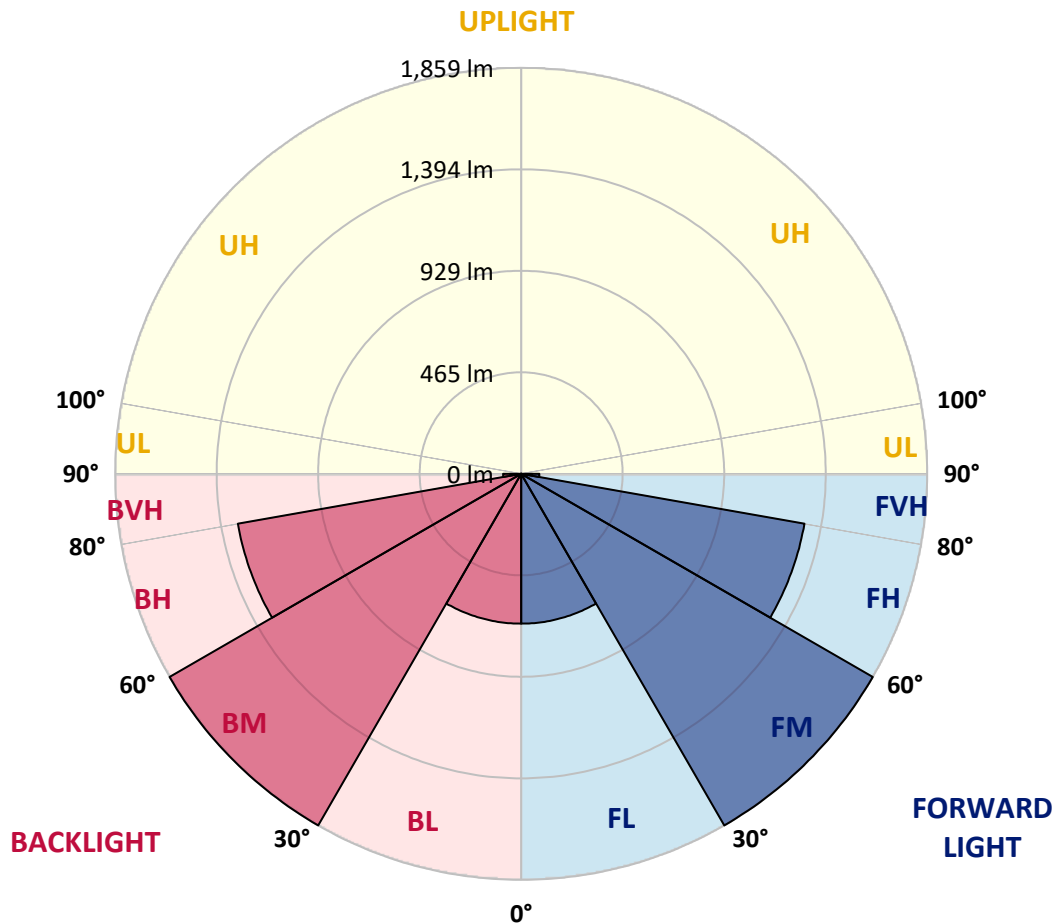
CATALOG NUMBER: TT-D5-735-U-MQ-TC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	685.8	8.7			
FM	(30°-60°)	1859.0	23.6			
FH	(60°-80°)	1317.0	16.7			G1/1800
FVH	(80°-90°)	83.1	1.1			G1/100
BL	(0°-30°)	685.8	8.7	B2/1000		
BM	(30°-60°)	1859.0	23.6	B2/2500		
BH	(60°-80°)	1317.0	16.7	B3/2500		G1/1800
BVH	(80°-90°)	83.1	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



REPORT NUMBER: P887881

CATALOG NUMBER: TT-D5-735-U-MQ-TC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2
2.5°	1647.6	1647.6	1647.6	1646.2	1644.8	1646.2	1644.8	1646.2	1646.2	1646.2	1647.6
5°	1647.6	1647.6	1647.6	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2
7.5°	1646.2	1646.2	1644.8	1644.8	1644.8	1644.8	1644.8	1644.8	1644.8	1644.8	1644.8
10°	1644.8	1644.8	1643.3	1643.3	1641.9	1641.9	1641.9	1643.3	1643.3	1643.3	1643.3
12.5°	1640.5	1641.9	1641.9	1640.5	1640.5	1640.5	1639.1	1640.5	1640.5	1639.1	1639.1
15°	1637.7	1639.1	1639.1	1639.1	1639.1	1639.1	1637.7	1639.1	1637.7	1637.7	1637.7
17.5°	1637.7	1637.7	1639.1	1640.5	1641.9	1643.3	1640.5	1640.5	1637.7	1636.2	1636.2
20°	1640.5	1640.5	1641.9	1643.3	1647.6	1649.0	1647.6	1643.3	1641.9	1639.1	1639.1
22.5°	1632.0	1633.4	1634.8	1634.8	1637.7	1640.5	1639.1	1636.2	1633.4	1632.0	1632.0
25°	1620.6	1620.6	1620.6	1623.5	1626.3	1626.3	1624.9	1623.5	1620.6	1619.2	1619.2
27.5°	1605.0	1603.6	1605.0	1607.8	1610.7	1612.1	1610.7	1609.2	1605.0	1605.0	1603.6
30°	1587.9	1586.5	1589.4	1592.2	1596.5	1597.9	1596.5	1593.6	1589.4	1587.9	1586.5
32.5°	1570.9	1570.9	1573.7	1578.0	1583.7	1586.5	1583.7	1580.8	1573.7	1570.9	1570.9
35°	1555.3	1555.3	1562.4	1570.9	1578.0	1580.8	1578.0	1573.7	1565.2	1558.1	1558.1
37.5°	1556.7	1559.5	1569.5	1589.4	1600.7	1605.0	1602.1	1589.4	1575.2	1563.8	1559.5
40°	1578.0	1580.8	1597.9	1617.8	1636.2	1643.3	1637.7	1620.6	1600.7	1583.7	1580.8
42.5°	1579.4	1580.8	1600.7	1626.3	1647.6	1657.5	1650.4	1629.1	1605.0	1585.1	1582.3
45°	1568.1	1572.3	1595.0	1624.9	1647.6	1657.5	1647.6	1629.1	1599.3	1576.6	1575.2
47.5°	1556.7	1559.5	1585.1	1617.8	1644.8	1654.7	1646.2	1620.6	1587.9	1563.8	1562.4
50°	1548.2	1551.0	1573.7	1616.4	1646.2	1657.5	1647.6	1620.6	1580.8	1556.7	1555.3
52.5°	1545.3	1548.2	1585.1	1630.6	1676.0	1685.9	1674.6	1633.4	1590.8	1553.9	1553.9
55°	1552.4	1553.9	1603.6	1671.7	1714.4	1735.7	1717.2	1673.2	1613.5	1565.2	1559.5
57.5°	1562.4	1570.9	1610.7	1691.6	1749.9	1775.4	1751.3	1694.5	1620.6	1576.6	1570.9
60°	1528.3	1541.1	1596.5	1666.1	1732.8	1757.0	1737.1	1674.6	1596.5	1539.7	1538.2
62.5°	1467.2	1472.9	1548.2	1636.2	1712.9	1744.2	1717.2	1649.0	1553.9	1494.2	1487.1
65°	1450.2	1457.3	1511.2	1620.6	1700.2	1739.9	1712.9	1629.1	1519.8	1455.9	1450.2
67.5°	1346.5	1362.1	1440.2	1536.8	1626.3	1660.4	1634.8	1561.0	1440.2	1362.1	1350.7
70°	1222.9	1241.4	1315.2	1421.8	1497.0	1532.6	1501.3	1441.6	1313.8	1238.5	1225.8
72.5°	1079.5	1090.8	1176.0	1262.7	1356.4	1399.0	1359.3	1282.6	1171.8	1080.9	1075.2
75°	882.0	901.9	997.1	1076.6	1164.7	1210.1	1180.3	1090.8	985.7	887.7	880.6
77.5°	674.7	681.8	779.8	872.1	945.9	987.1	963.0	877.8	769.8	673.2	664.7
80°	447.4	453.1	531.2	615.0	686.0	731.5	703.1	626.4	508.5	438.9	428.9
82.5°	193.2	197.4	244.3	315.3	379.2	419.0	396.3	323.8	224.4	181.8	171.9
85°	15.6	14.2	15.6	18.5	18.5	38.3	32.7	28.4	11.4	14.2	11.4
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)