

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: P887792

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

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-3)
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-CQ-TC
Description: CQ
3500K, 70 CRI LEDS, CONCENTRATED DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6450 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

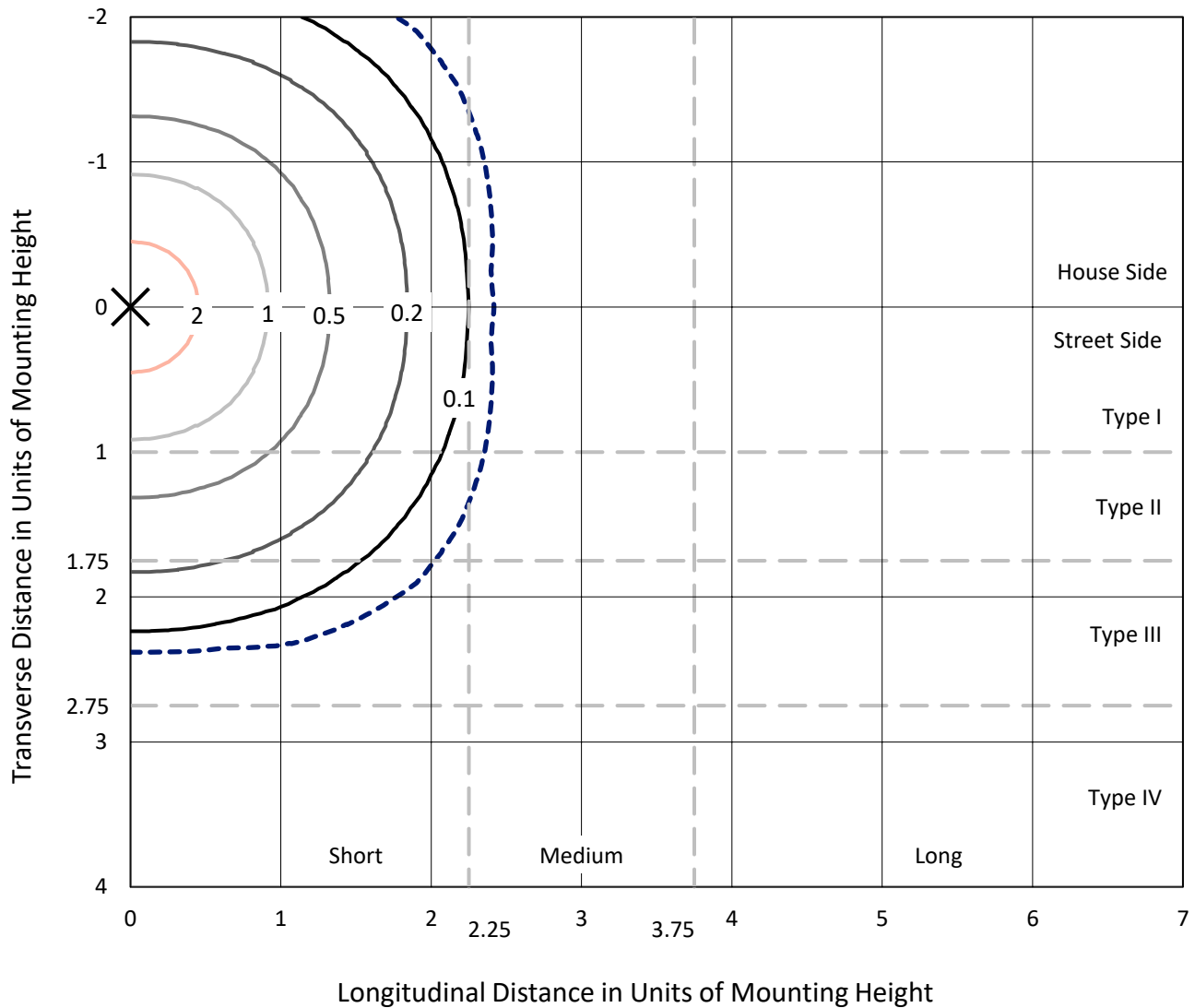
Input Watts (W): 57.6
Input Voltage (V): 120.0
Input Current (Ain): 0.48
Voltage Rise (V): NR
Power Factor: 0.994
Total Harmonic Distortion (THDi): 10.3%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P887792
 CATALOG NUMBER: TT-D4-735-U-CQ-TC

Iso-Footcandle Lines of Horizontal Illumination

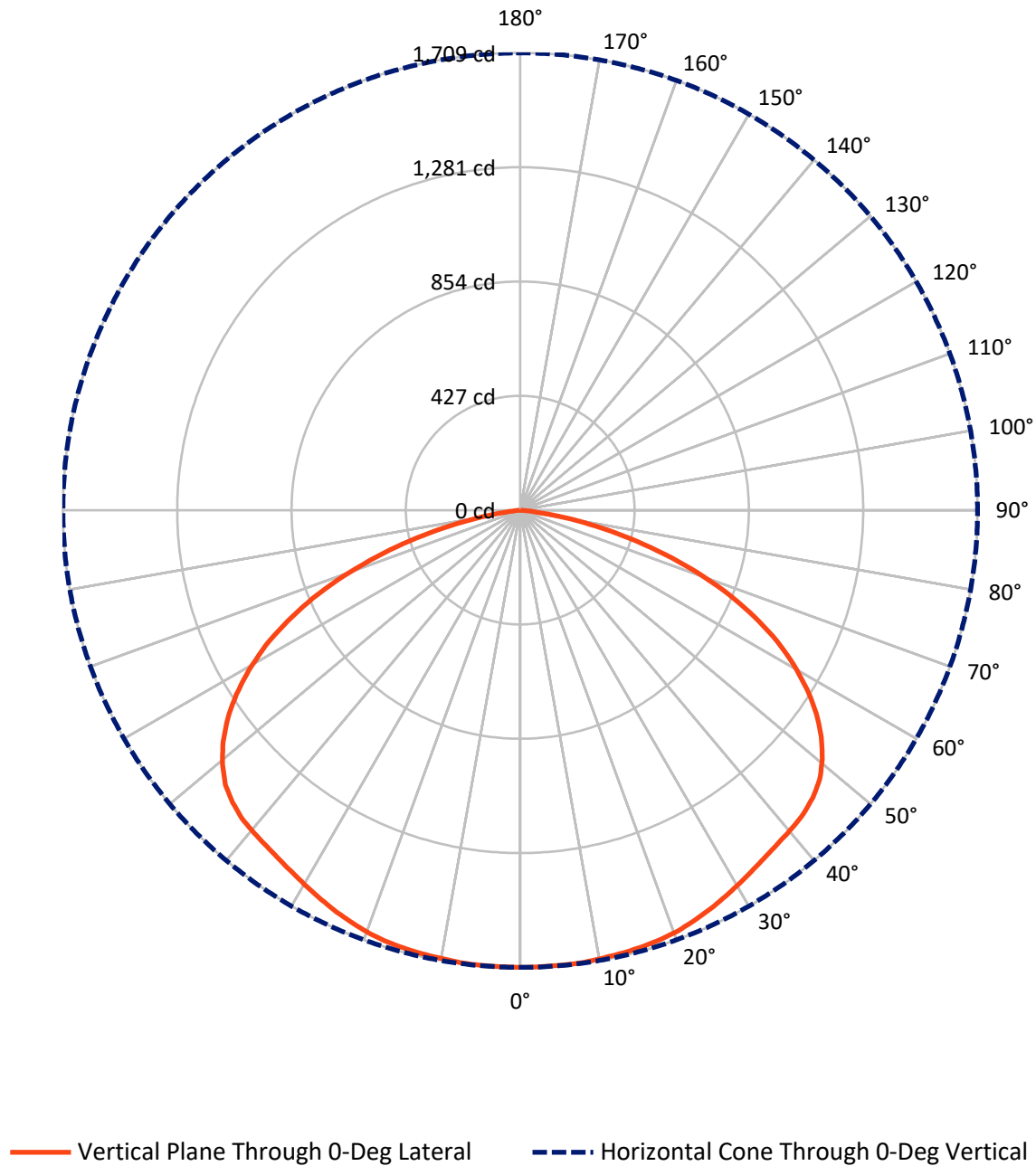
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

REPORT NUMBER: P887792
CATALOG NUMBER: TT-D4-735-U-CQ-TC

Luminous Intensity Polar Plot



REPORT NUMBER: P887792

CATALOG NUMBER: TT-D4-735-U-CQ-TC

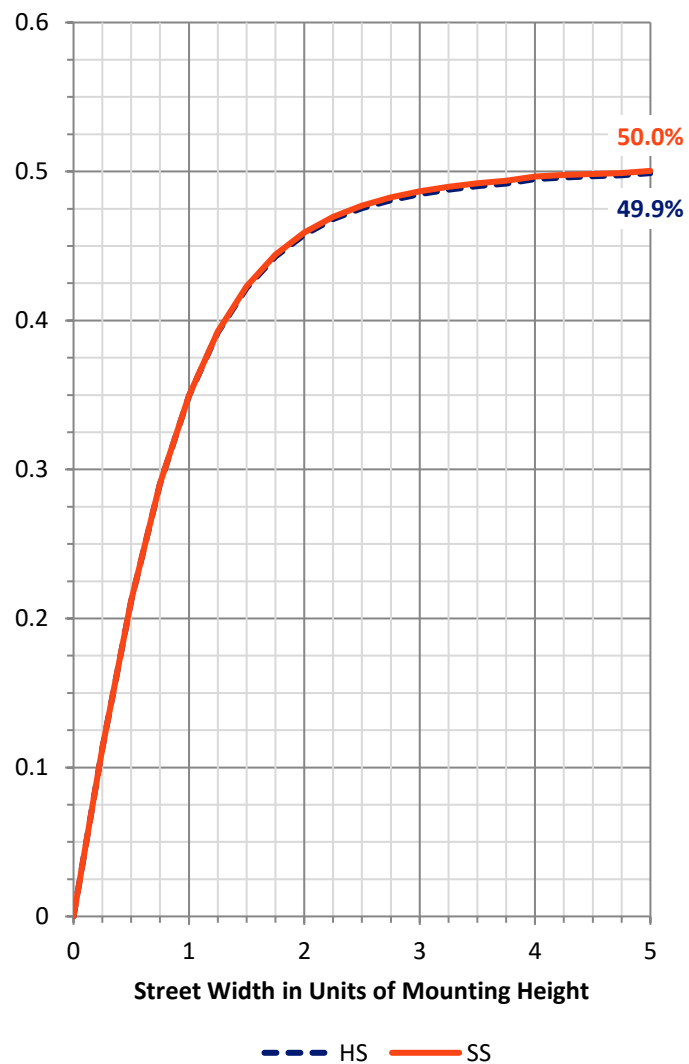
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3225.0	0.0	3225.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3225.0	0.0	3225.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6450.0	0.0	6450.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.8	2.5
10°-20°	479.6	7.4
20°-30°	764.4	11.9
30°-40°	1004.4	15.6
40°-50°	1210.2	18.8
50°-60°	1262.3	19.6
60°-70°	1021.4	15.8
70°-80°	495.1	7.7
80°-90°	49.8	0.8
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°	6450.0	100.0
0°-180°	6450.0	100.0

Coefficient of Utilization



REPORT NUMBER: P887792

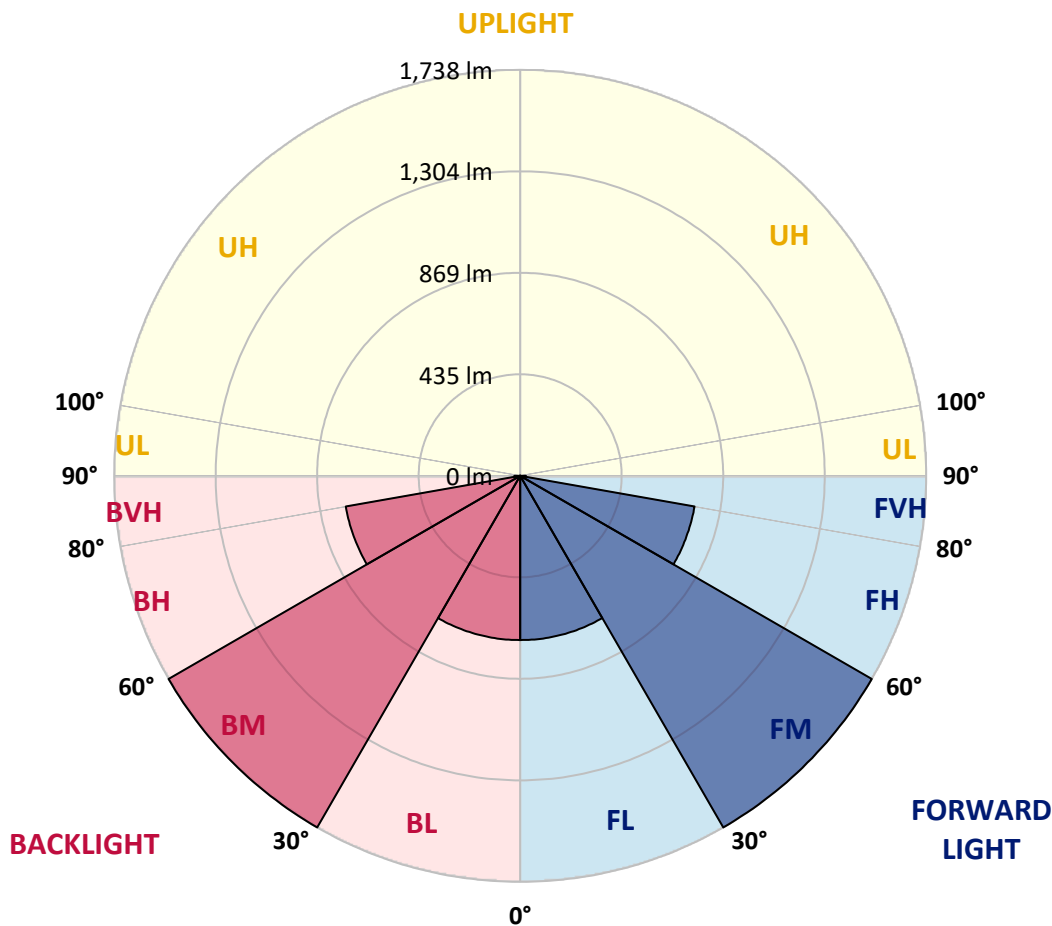
CATALOG NUMBER: TT-D4-735-U-CQ-TC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	703.4	10.9			
FM	(30°-60°)	1738.5	27.0			
FH	(60°-80°)	758.2	11.8			G1/1800
FVH	(80°-90°)	24.9	0.4			G1/100
BL	(0°-30°)	703.4	10.9	B2/1000		
BM	(30°-60°)	1738.5	27.0	B2/2500		
BH	(60°-80°)	758.2	11.8	B2/1000		G1/1800
BVH	(80°-90°)	24.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



REPORT NUMBER: P887792

CATALOG NUMBER: TT-D4-735-U-CQ-TC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1708.5	1708.5	1708.5	1708.5	1708.5	1708.5	1708.5	1708.5	1708.5	1708.5	1708.5
2.5°	1707.3	1707.3	1707.3	1706.2	1706.2	1706.2	1706.2	1707.3	1707.3	1707.3	1707.3
5°	1707.3	1707.3	1707.3	1707.3	1706.2	1706.2	1706.2	1707.3	1707.3	1707.3	1707.3
7.5°	1706.2	1706.2	1706.2	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1	1705.1
10°	1701.7	1701.7	1702.8	1701.7	1701.7	1701.7	1701.7	1702.8	1701.7	1701.7	1701.7
12.5°	1698.3	1698.3	1698.3	1698.3	1697.2	1698.3	1697.2	1697.2	1697.2	1697.2	1697.2
15°	1693.8	1694.9	1693.8	1693.8	1694.9	1694.9	1693.8	1693.8	1692.7	1692.7	1692.7
17.5°	1688.1	1688.1	1689.3	1689.3	1690.4	1690.4	1689.3	1689.3	1688.1	1687.0	1687.0
20°	1679.1	1680.2	1680.2	1681.4	1682.5	1683.6	1682.5	1681.4	1680.2	1679.1	1678.0
22.5°	1665.6	1666.7	1667.8	1670.1	1671.2	1672.3	1670.1	1669.0	1667.8	1666.7	1666.7
25°	1650.9	1652.0	1653.2	1655.4	1656.6	1657.7	1656.6	1654.3	1653.2	1652.0	1652.0
27.5°	1634.0	1635.1	1636.2	1639.6	1640.8	1641.9	1639.6	1637.4	1635.1	1634.0	1634.0
30°	1617.1	1618.2	1620.4	1623.8	1627.2	1628.3	1623.8	1621.6	1618.2	1615.9	1615.9
32.5°	1600.1	1601.3	1603.5	1610.3	1613.7	1614.8	1612.5	1608.0	1602.4	1599.0	1597.9
35°	1585.5	1587.7	1592.2	1600.1	1604.6	1606.9	1604.6	1597.9	1590.0	1584.3	1584.3
37.5°	1573.0	1576.4	1583.2	1594.5	1603.5	1605.8	1602.4	1593.4	1582.1	1574.2	1573.0
40°	1562.9	1566.3	1576.4	1591.1	1603.5	1606.9	1602.4	1590.0	1575.3	1565.1	1562.9
42.5°	1551.6	1555.0	1568.5	1586.6	1601.3	1606.9	1601.3	1585.5	1566.3	1552.7	1551.6
45°	1532.4	1536.9	1552.7	1576.4	1594.5	1601.3	1594.5	1576.4	1552.7	1536.9	1535.8
47.5°	1505.3	1509.9	1527.9	1558.4	1579.8	1590.0	1583.2	1561.8	1535.8	1515.5	1513.2
50°	1462.5	1470.4	1489.5	1526.8	1551.6	1566.3	1560.6	1536.9	1506.5	1485.0	1482.8
52.5°	1408.3	1416.2	1439.9	1481.6	1509.9	1529.0	1523.4	1497.4	1465.8	1438.8	1437.6
55°	1342.8	1351.9	1376.7	1425.2	1456.8	1478.3	1471.5	1441.0	1406.0	1375.6	1374.4
57.5°	1263.9	1275.1	1302.2	1353.0	1389.1	1413.9	1403.8	1372.2	1331.6	1296.6	1297.7
60°	1174.7	1187.1	1215.3	1268.4	1306.7	1330.4	1321.4	1286.4	1243.5	1206.3	1207.4
62.5°	1076.5	1084.4	1112.6	1167.9	1206.3	1233.4	1219.8	1183.7	1139.7	1101.4	1107.0
65°	961.4	969.3	996.4	1051.7	1087.8	1114.9	1101.4	1064.1	1019.0	978.4	987.4
67.5°	840.7	842.9	863.3	920.8	954.7	980.6	965.9	929.8	887.0	849.7	856.5
70°	705.3	703.0	724.5	777.5	806.8	830.5	815.9	782.0	743.6	708.7	715.4
72.5°	564.2	562.0	578.9	627.4	646.6	673.7	660.1	628.5	598.1	563.1	569.9
75°	425.4	420.9	435.6	476.2	492.0	515.7	503.3	475.1	450.2	418.7	426.6
77.5°	290.0	286.6	297.9	331.8	341.9	365.6	348.7	329.5	309.2	277.6	288.9
80°	167.0	163.6	170.4	198.6	205.4	221.2	209.9	195.2	179.4	158.0	164.8
82.5°	62.1	64.3	67.7	85.8	92.5	107.2	95.9	84.6	73.3	59.8	64.3
85°	4.5	4.5	4.5	6.8	9.0	14.7	10.2	7.9	5.6	3.4	5.6
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)