

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: P887822

Luminaire Tested: **TT-D4-830-U-CQ-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887822
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-D4-830-U-CQ-TC
Description: CQ
3000K, 80 CRI LEDS, CONCENTRATED DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6097 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

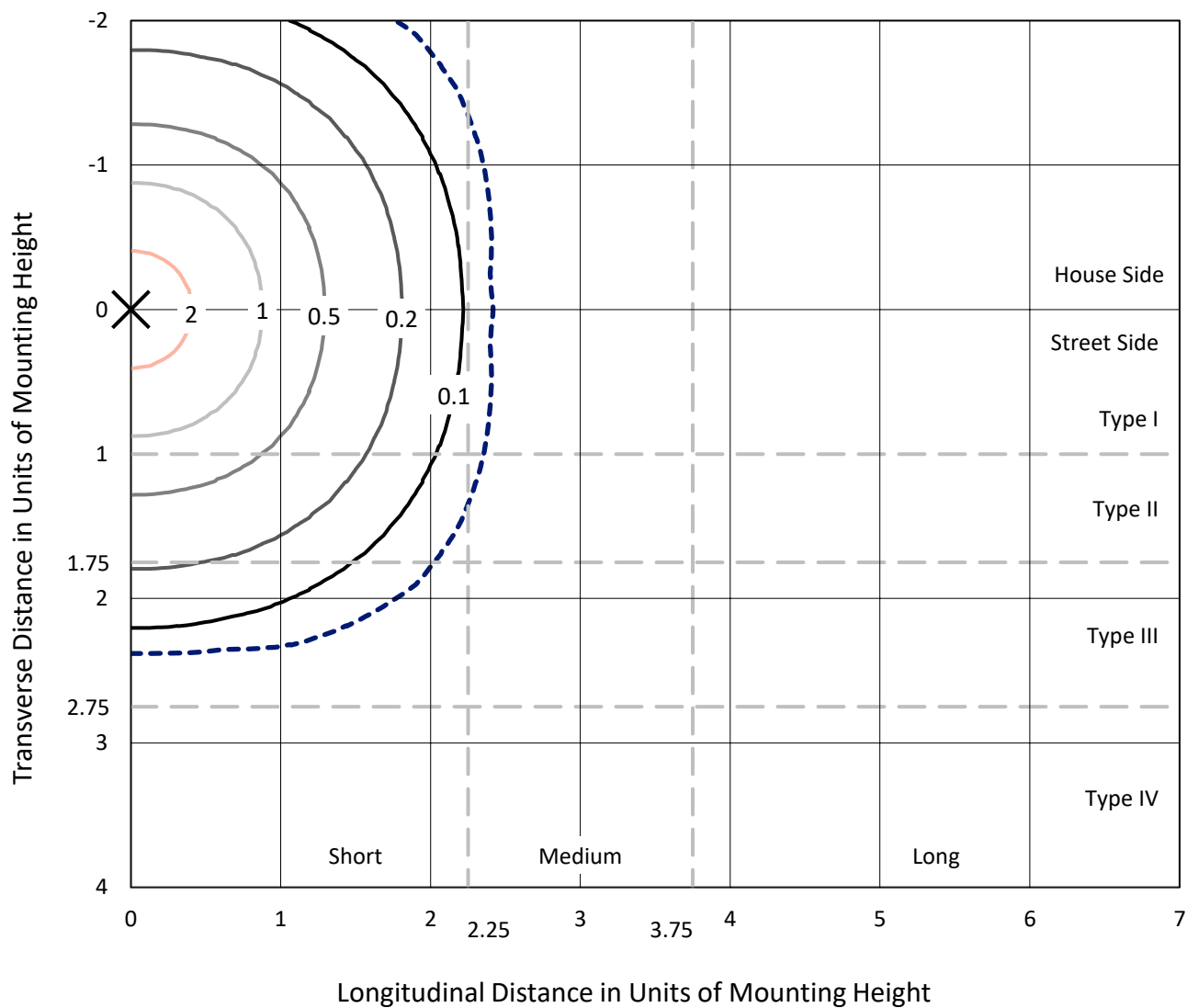
Input Watts (W): 57.6
Input Voltage (V): 120.0
Input Current (Ain): 0.48
Voltage Rise (V): NR
Power Factor: 0.994
Total Harmonic Distortion (THDi): 10.3%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

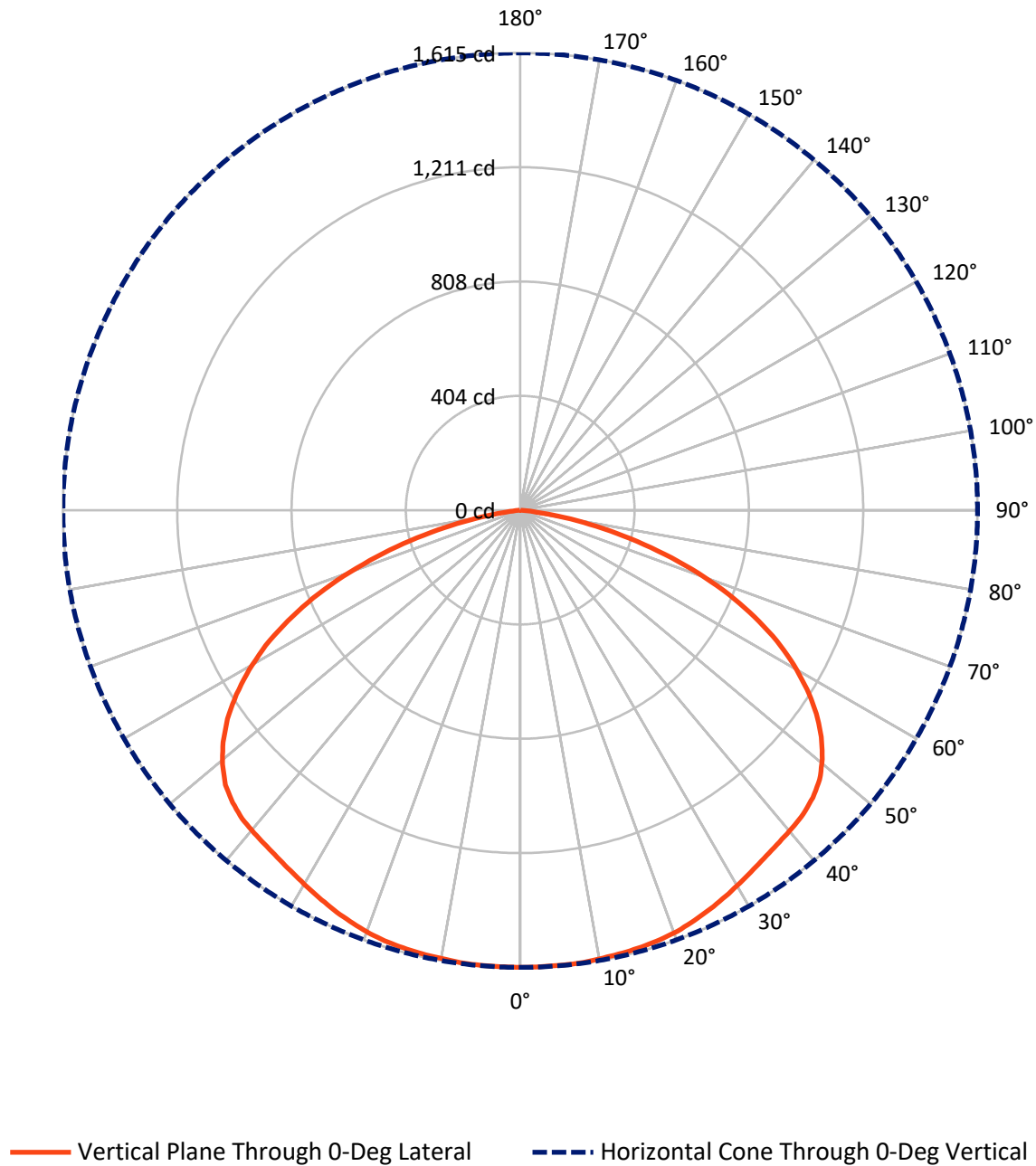
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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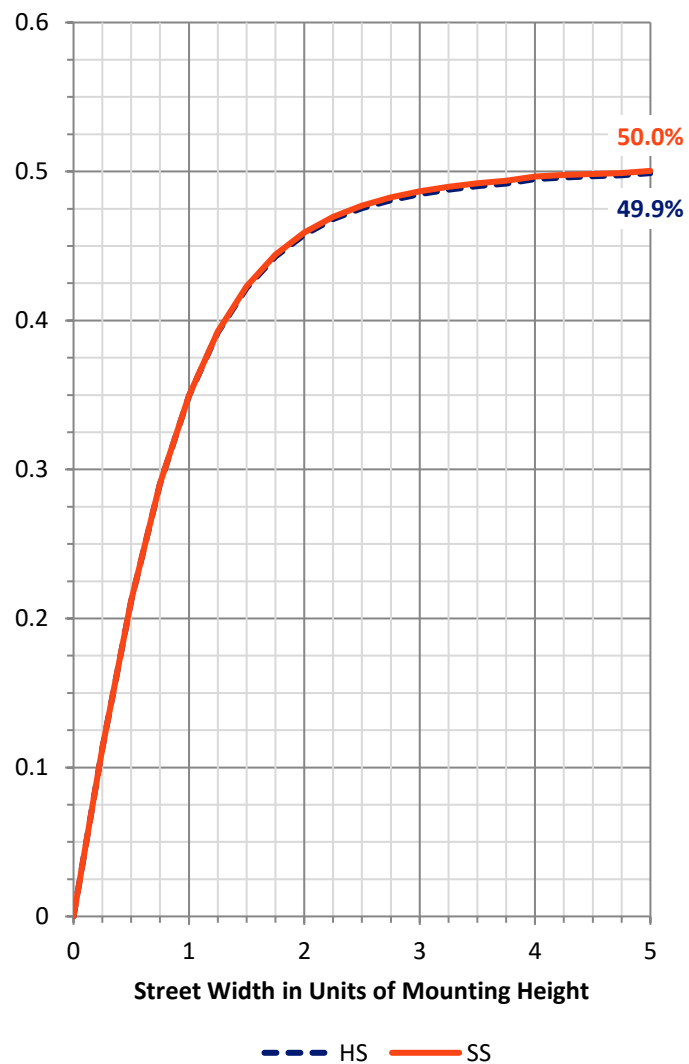
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3048.5	0.0	3048.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3048.5	0.0	3048.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6097.0	0.0	6097.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.9	2.5
10°-20°	453.4	7.4
20°-30°	722.6	11.9
30°-40°	949.4	15.6
40°-50°	1144.0	18.8
50°-60°	1193.3	19.6
60°-70°	965.5	15.8
70°-80°	468.0	7.7
80°-90°	47.1	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°	6097.0	100.0
0°-180°	6097.0	100.0

Coefficient of Utilization



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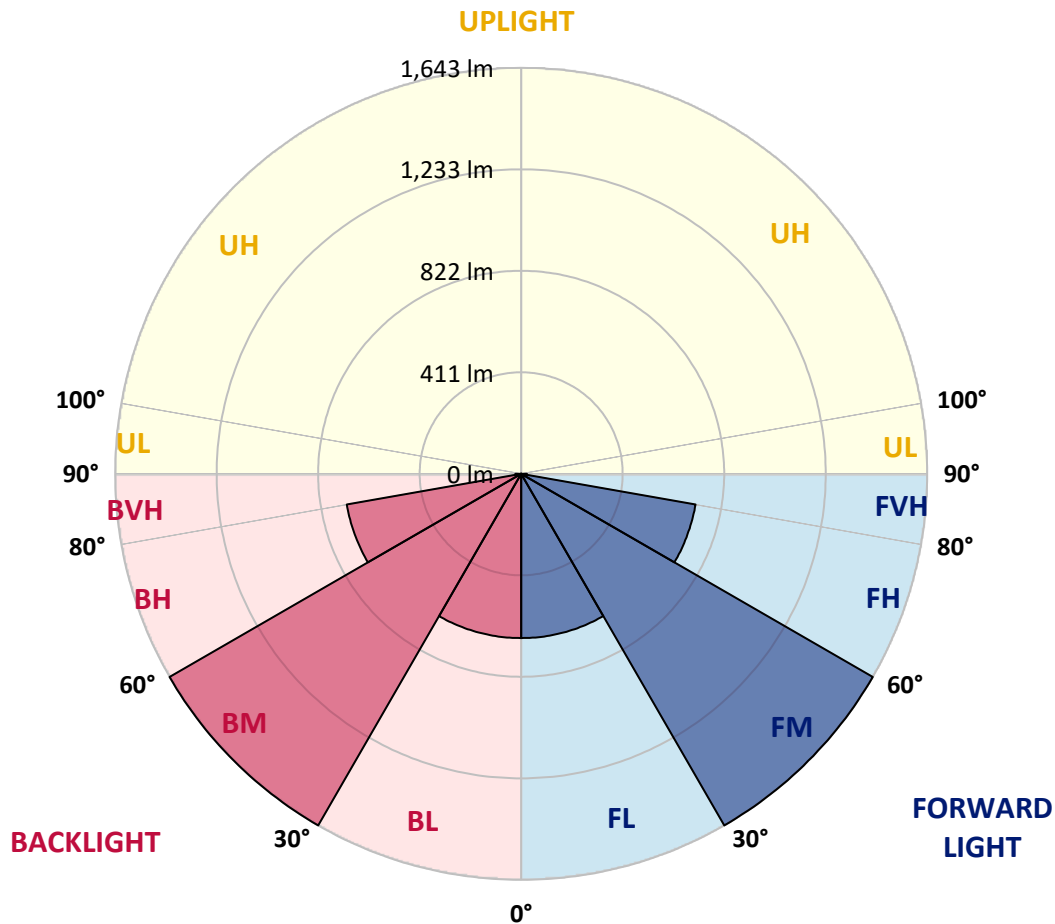
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	664.9	10.9			
FM	(30°-60°)	1643.4	27.0			
FH	(60°-80°)	716.7	11.8			G1/1800
FVH	(80°-90°)	23.5	0.4			G1/100
BL	(0°-30°)	664.9	10.9	B2/1000		
BM	(30°-60°)	1643.4	27.0	B2/2500		
BH	(60°-80°)	716.7	11.8	B2/1000		G1/1800
BVH	(80°-90°)	23.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1615.0	1615.0	1615.0	1615.0	1615.0	1615.0	1615.0	1615.0	1615.0	1615.0	1615.0
2.5°	1613.9	1613.9	1613.9	1612.8	1612.8	1612.8	1612.8	1613.9	1613.9	1613.9	1613.9
5°	1613.9	1613.9	1613.9	1613.9	1612.8	1612.8	1612.8	1613.9	1613.9	1613.9	1613.9
7.5°	1612.8	1612.8	1612.8	1611.8	1611.8	1611.8	1611.8	1611.8	1611.8	1611.8	1611.8
10°	1608.6	1608.6	1609.6	1608.6	1608.6	1608.6	1608.6	1609.6	1608.6	1608.6	1608.6
12.5°	1605.4	1605.4	1605.4	1605.4	1604.3	1605.4	1604.3	1604.3	1604.3	1604.3	1604.3
15°	1601.1	1602.2	1601.1	1601.1	1602.2	1602.2	1601.1	1601.1	1600.0	1600.0	1600.0
17.5°	1595.8	1595.8	1596.8	1596.8	1597.9	1597.9	1596.8	1596.8	1595.8	1594.7	1594.7
20°	1587.2	1588.3	1588.3	1589.4	1590.4	1591.5	1590.4	1589.4	1588.3	1587.2	1586.2
22.5°	1574.4	1575.5	1576.6	1578.7	1579.8	1580.8	1578.7	1577.6	1576.6	1575.5	1575.5
25°	1560.6	1561.6	1562.7	1564.8	1565.9	1567.0	1565.9	1563.8	1562.7	1561.6	1561.6
27.5°	1544.6	1545.6	1546.7	1549.9	1551.0	1552.0	1549.9	1547.8	1545.6	1544.6	1544.6
30°	1528.6	1529.6	1531.8	1535.0	1538.2	1539.2	1535.0	1532.8	1529.6	1527.5	1527.5
32.5°	1512.6	1513.6	1515.8	1522.2	1525.4	1526.4	1524.3	1520.0	1514.7	1511.5	1510.4
35°	1498.7	1500.8	1505.1	1512.6	1516.8	1519.0	1516.8	1510.4	1503.0	1497.6	1497.6
37.5°	1487.0	1490.2	1496.6	1507.2	1515.8	1517.9	1514.7	1506.2	1495.5	1488.0	1487.0
40°	1477.4	1480.6	1490.2	1504.0	1515.8	1519.0	1514.7	1503.0	1489.1	1479.5	1477.4
42.5°	1466.7	1469.9	1482.7	1499.8	1513.6	1519.0	1513.6	1498.7	1480.6	1467.8	1466.7
45°	1448.6	1452.8	1467.8	1490.2	1507.2	1513.6	1507.2	1490.2	1467.8	1452.8	1451.8
47.5°	1423.0	1427.2	1444.3	1473.1	1493.4	1503.0	1496.6	1476.3	1451.8	1432.6	1430.4
50°	1382.4	1389.9	1408.0	1443.2	1466.7	1480.6	1475.2	1452.8	1424.0	1403.8	1401.6
52.5°	1331.2	1338.7	1361.1	1400.6	1427.2	1445.4	1440.0	1415.5	1385.6	1360.0	1359.0
55°	1269.4	1277.9	1301.4	1347.2	1377.1	1397.4	1391.0	1362.2	1329.1	1300.3	1299.2
57.5°	1194.7	1205.4	1231.0	1279.0	1313.1	1336.6	1327.0	1297.1	1258.7	1225.6	1226.7
60°	1110.4	1122.1	1148.8	1199.0	1235.2	1257.6	1249.1	1216.0	1175.5	1140.3	1141.3
62.5°	1017.6	1025.1	1051.7	1104.0	1140.3	1165.9	1153.1	1118.9	1077.3	1041.1	1046.4
65°	908.8	916.3	941.9	994.1	1028.3	1053.9	1041.1	1005.9	963.2	924.8	933.3
67.5°	794.7	796.8	816.0	870.4	902.4	926.9	913.1	878.9	838.4	803.2	809.6
70°	666.7	664.5	684.8	734.9	762.7	785.1	771.2	739.2	702.9	669.9	676.3
72.5°	533.3	531.2	547.2	593.1	611.2	636.8	624.0	594.1	565.3	532.3	538.7
75°	402.1	397.9	411.7	450.1	465.1	487.5	475.7	449.1	425.6	395.7	403.2
77.5°	274.1	270.9	281.6	313.6	323.2	345.6	329.6	311.5	292.3	262.4	273.1
80°	157.9	154.7	161.1	187.7	194.1	209.1	198.4	184.5	169.6	149.3	155.7
82.5°	58.7	60.8	64.0	81.1	87.5	101.3	90.7	80.0	69.3	56.5	60.8
85°	4.3	4.3	4.3	6.4	8.5	13.9	9.6	7.5	5.3	3.2	5.3
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)