

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: P197572

Luminaire Tested: **TT-C4-LED-E1-5CQ-PM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33411)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C4-LED-E1-5CQ-PM-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7149.9 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

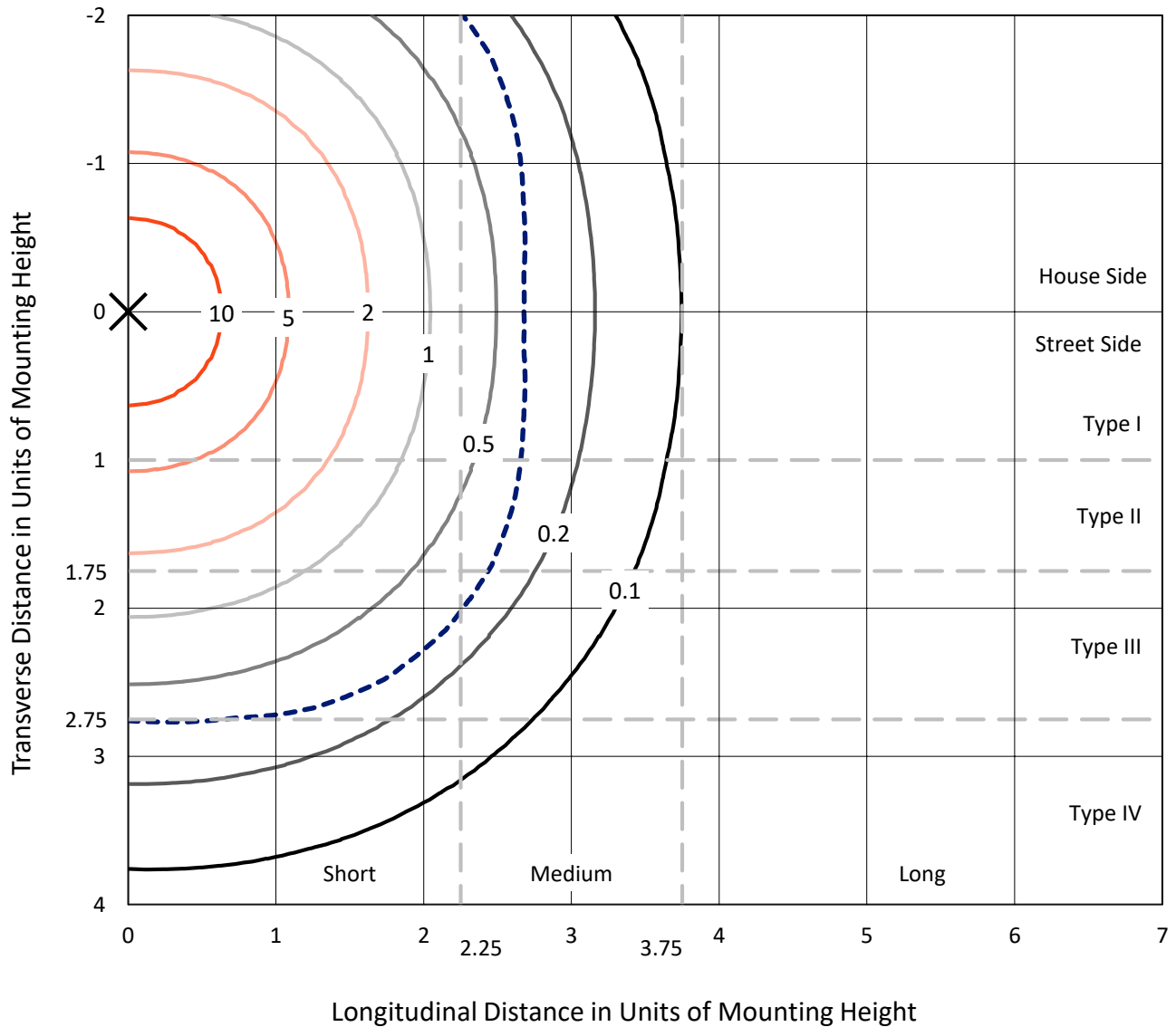
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

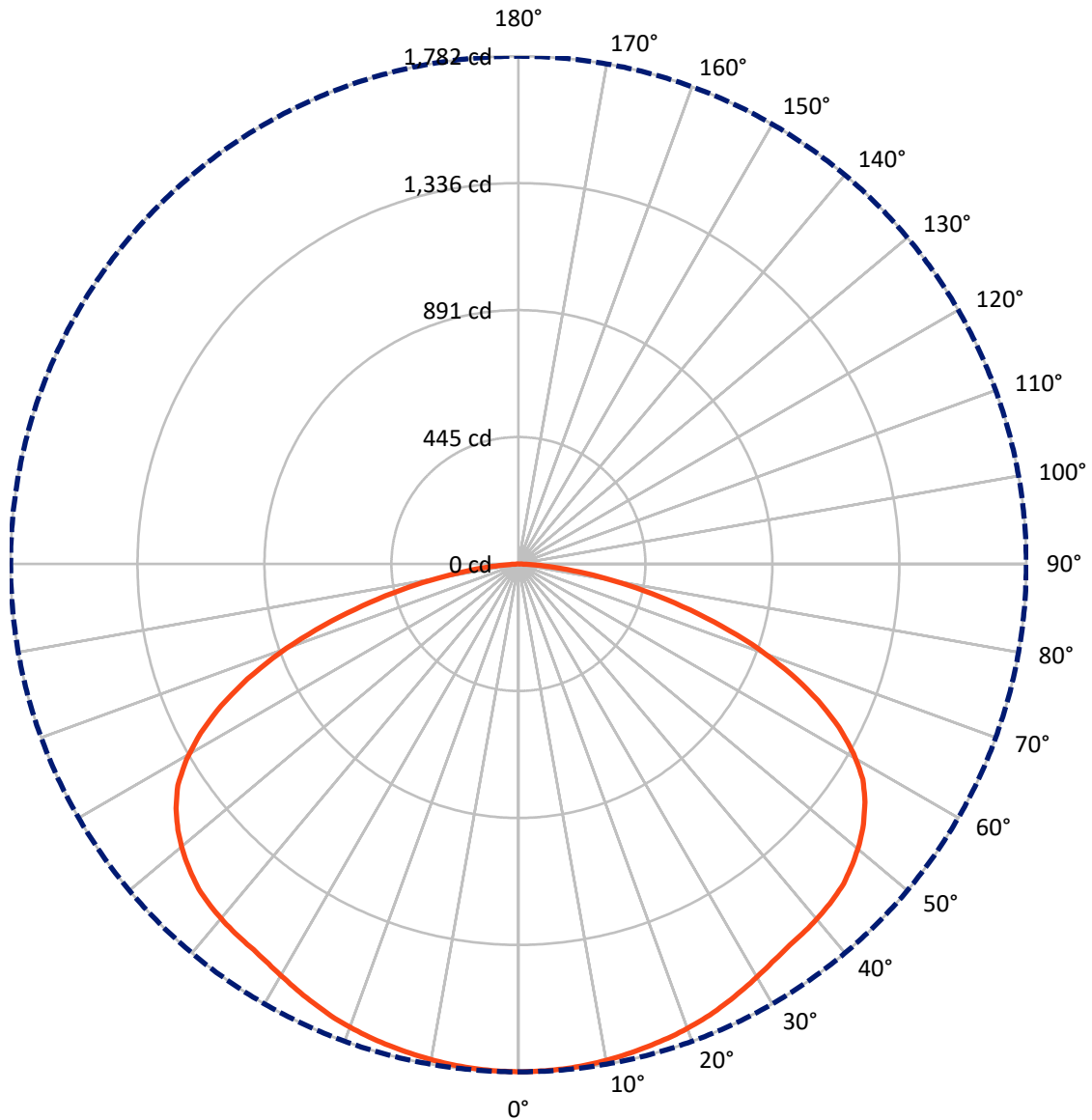
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.8 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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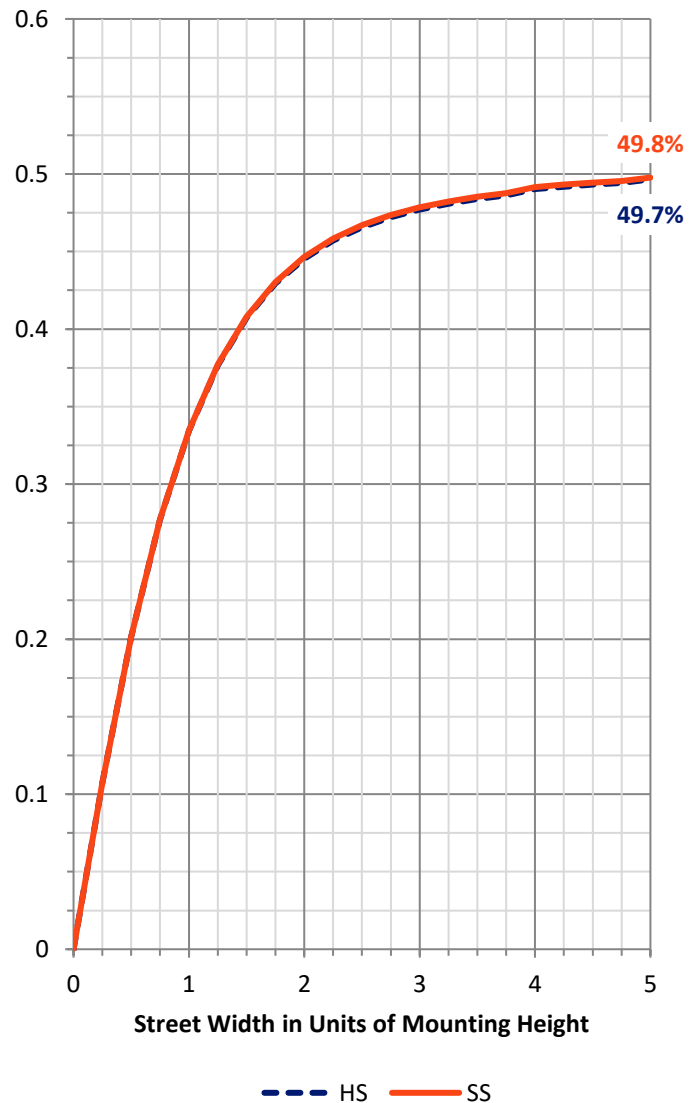
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3574.9	0.0	3574.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3574.9	0.0	3574.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	7149.9	0.0	7149.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.4	2.4
10°-20°	495.9	6.9
20°-30°	788.8	11.0
30°-40°	1043.3	14.6
40°-50°	1273.1	17.8
50°-60°	1374.9	19.2
60°-70°	1190.6	16.7
70°-80°	675.1	9.4
80°-90°	138.9	1.9
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°	7149.9	100.0
0°-180°	7149.9	100.0

Coefficient of Utilization



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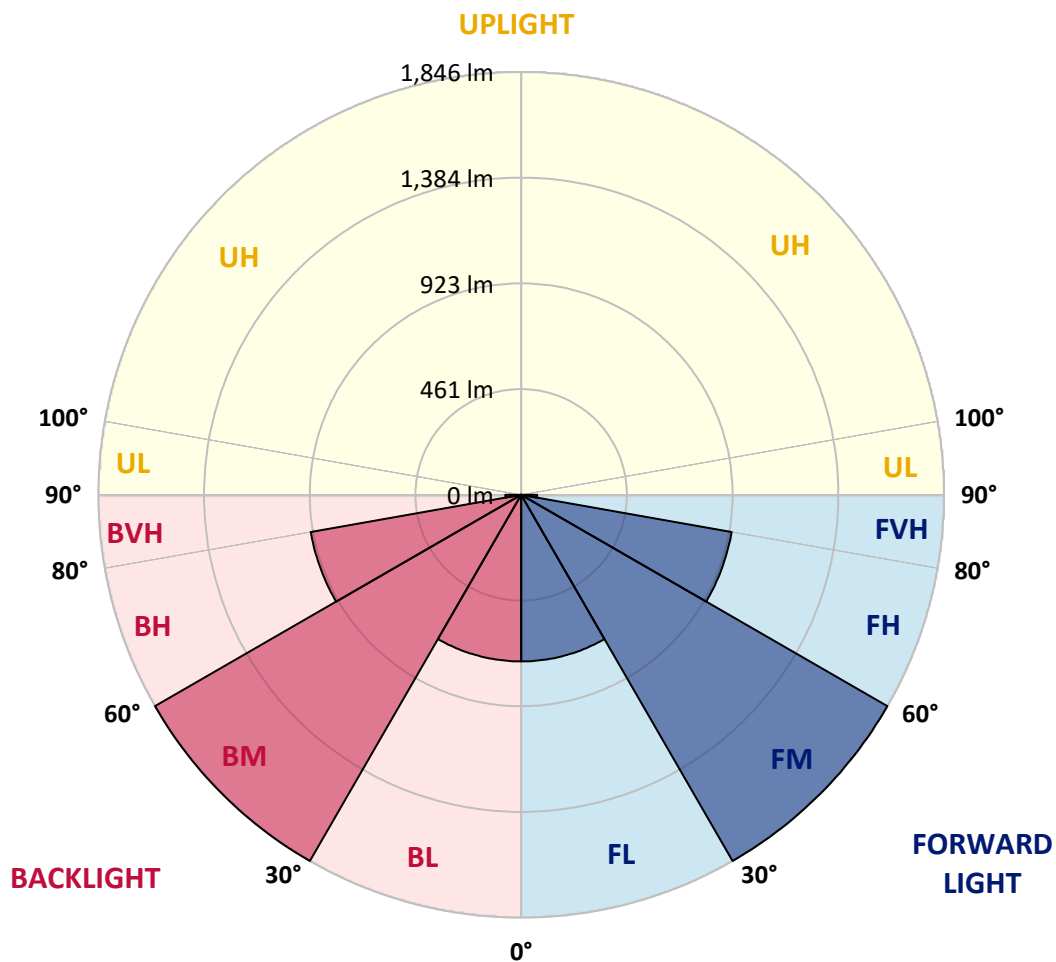
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	727.0	10.2			
FM	(30°-60°)	1845.6	25.8			
FH	(60°-80°)	932.9	13.0			G1/1800
FVH	(80°-90°)	69.4	1.0			G1/100
BL	(0°-30°)	727.0	10.2	B2/1000		
BM	(30°-60°)	1845.6	25.8	B2/2500		
BH	(60°-80°)	932.9	13.0	B2/1000		G1/1800
BVH	(80°-90°)	69.4	1.0			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°	1781.9	1781.9	1781.9	1781.9	1781.9	1781.9	1781.9	1781.9	1781.9	1781.9	1781.9
2.5°	1780.6	1780.6	1780.6	1780.6	1780.6	1780.6	1780.6	1780.6	1780.6	1780.6	1780.6
5°	1778.1	1778.1	1778.1	1778.1	1778.1	1778.1	1778.1	1778.1	1778.1	1778.1	1778.1
7.5°	1773.2	1773.2	1773.2	1773.2	1773.2	1774.4	1773.2	1773.2	1773.2	1773.2	1774.4
10°	1767.1	1767.1	1768.3	1768.3	1767.1	1767.1	1767.1	1767.1	1767.1	1767.1	1767.1
12.5°	1759.7	1759.7	1759.7	1759.7	1759.7	1759.7	1759.7	1759.7	1758.5	1758.5	1758.5
15°	1751.1	1751.1	1751.1	1752.3	1752.3	1752.3	1752.3	1751.1	1749.9	1748.6	1749.9
17.5°	1742.4	1742.4	1743.7	1745.0	1745.0	1745.0	1745.0	1742.4	1741.2	1740.0	1740.0
20°	1731.4	1732.6	1732.6	1733.8	1735.1	1735.1	1735.1	1733.8	1731.4	1728.9	1728.9
22.5°	1719.1	1720.3	1721.6	1722.7	1724.0	1722.7	1722.7	1721.6	1719.1	1717.9	1716.6
25°	1703.1	1703.1	1705.5	1708.0	1709.2	1709.2	1709.2	1706.8	1704.4	1703.1	1701.8
27.5°	1687.1	1687.1	1689.6	1693.2	1694.5	1695.7	1693.2	1692.0	1688.3	1685.9	1685.9
30°	1669.9	1669.9	1673.5	1678.5	1682.1	1683.4	1682.1	1677.2	1672.4	1669.9	1669.9
32.5°	1653.9	1655.1	1658.7	1666.2	1672.4	1674.8	1673.5	1667.4	1661.3	1656.3	1655.1
35°	1641.5	1642.8	1650.1	1658.7	1668.6	1672.4	1668.6	1662.5	1652.6	1645.2	1645.2
37.5°	1634.2	1634.2	1644.0	1658.7	1669.9	1674.8	1669.9	1661.3	1647.7	1637.9	1637.9
40°	1625.6	1628.0	1640.4	1658.7	1674.8	1682.1	1676.0	1663.7	1646.5	1634.2	1632.9
42.5°	1614.5	1618.1	1631.7	1656.3	1676.0	1687.1	1681.0	1666.2	1645.2	1631.7	1630.5
45°	1599.7	1600.9	1618.1	1647.7	1673.5	1688.3	1683.4	1664.9	1641.5	1625.6	1623.1
47.5°	1576.4	1578.8	1599.7	1634.2	1666.2	1682.1	1678.5	1657.6	1628.0	1609.5	1605.9
50°	1549.2	1551.7	1576.4	1615.7	1651.4	1669.9	1663.7	1637.9	1605.9	1581.2	1578.8
52.5°	1516.1	1521.0	1548.1	1592.3	1630.5	1647.7	1637.9	1604.6	1567.7	1540.6	1538.2
55°	1475.5	1480.4	1511.1	1557.9	1596.0	1609.5	1596.0	1556.7	1517.3	1486.5	1480.4
57.5°	1425.0	1428.7	1458.2	1507.5	1544.4	1555.4	1538.2	1497.6	1450.8	1417.6	1413.9
60°	1351.2	1356.1	1390.5	1436.0	1473.0	1486.5	1469.3	1420.1	1369.6	1336.4	1335.1
62.5°	1262.5	1271.1	1300.7	1349.9	1383.2	1401.6	1378.2	1327.8	1277.3	1239.1	1239.1
65°	1155.5	1161.6	1193.6	1241.6	1273.6	1289.6	1266.3	1219.5	1164.1	1130.9	1127.2
67.5°	1032.5	1037.4	1065.6	1114.9	1149.3	1162.9	1137.0	1092.8	1041.1	1005.4	1001.6
70°	895.9	903.2	924.1	969.7	1000.5	1007.8	988.1	946.3	899.5	867.6	865.0
72.5°	746.9	753.1	780.2	815.8	840.5	842.9	830.6	799.9	751.8	726.0	722.4
75°	594.4	604.2	627.5	658.4	676.8	676.8	669.4	647.3	605.4	585.8	585.8
77.5°	450.4	455.3	479.9	500.8	515.6	522.9	514.3	494.7	461.5	447.9	440.5
80°	313.8	318.7	329.8	345.8	360.6	365.5	355.6	339.7	321.2	311.4	306.4
82.5°	192.0	196.9	203.1	211.7	221.5	226.4	220.3	210.4	194.4	193.2	192.0
85°	92.3	94.7	99.7	102.2	107.1	108.3	109.5	104.6	99.7	93.6	96.0
87.5°	28.3	28.3	29.6	30.7	33.3	33.3	33.3	32.0	29.6	28.3	28.3
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)