

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: P197573

Luminaire Tested: **TT-C5-LED-E1-5CQ-PM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197573
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-C5-LED-E1-5CQ-PM-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7106.5 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

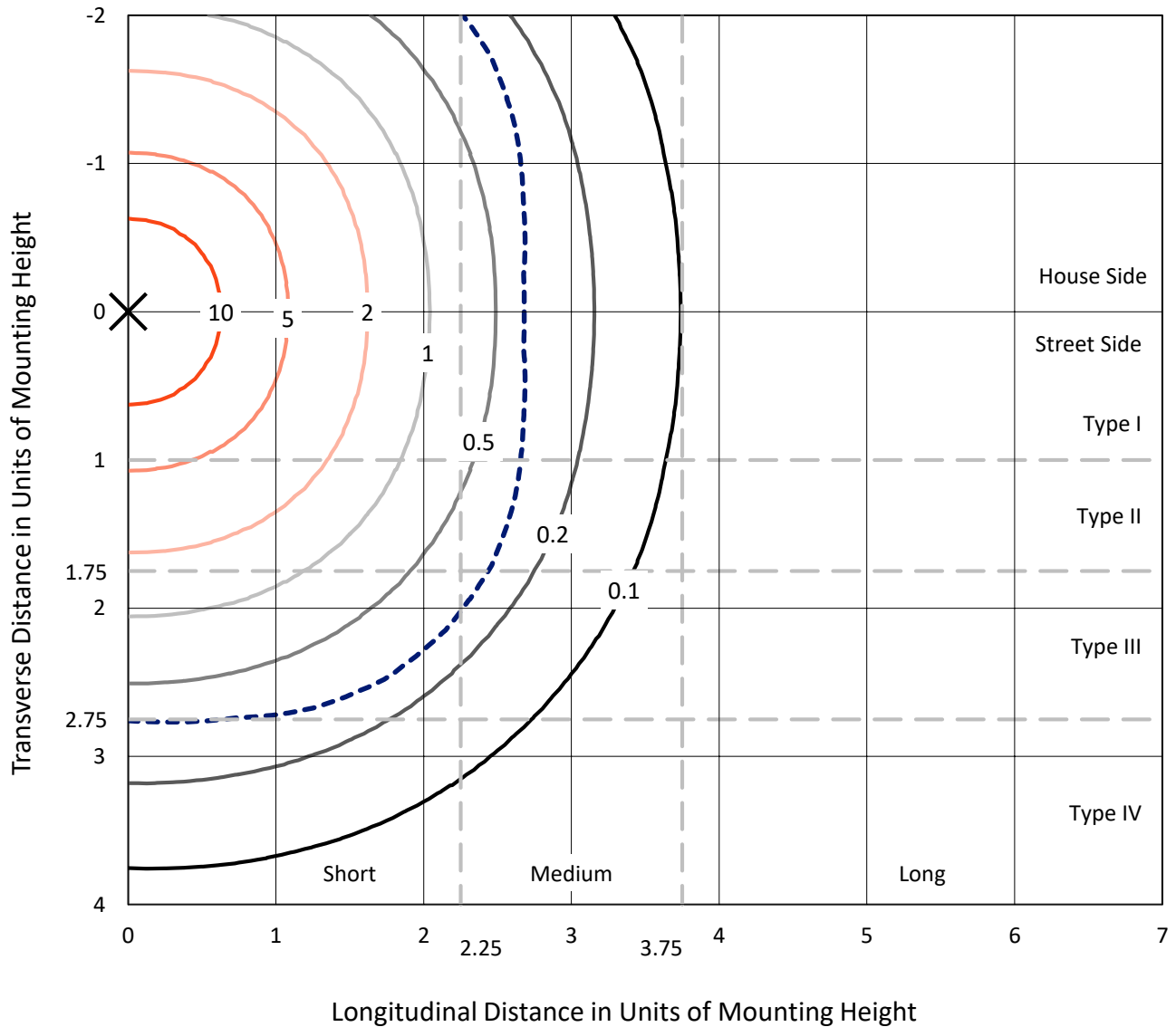
Input Watts (W): 77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

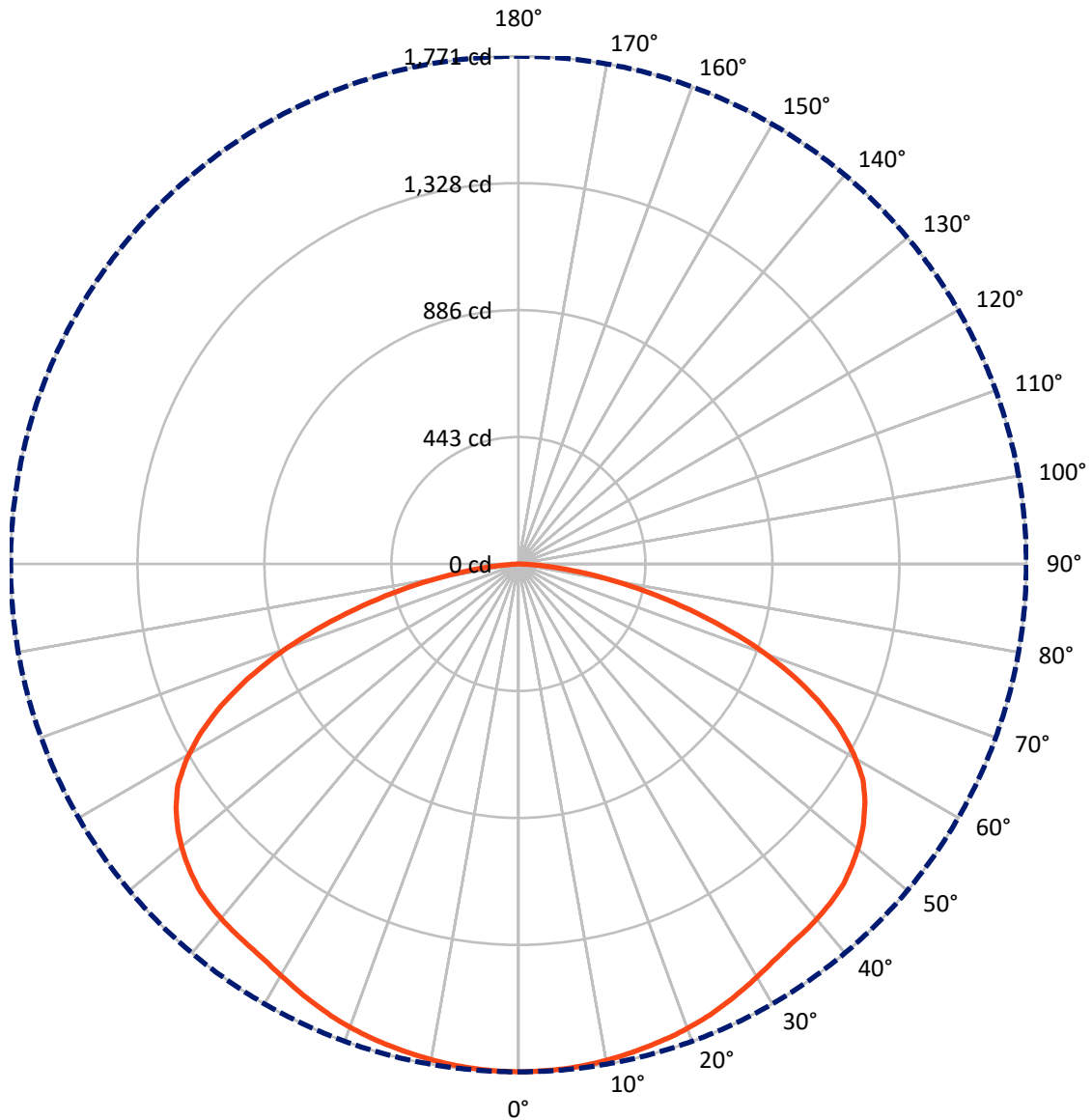
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.7 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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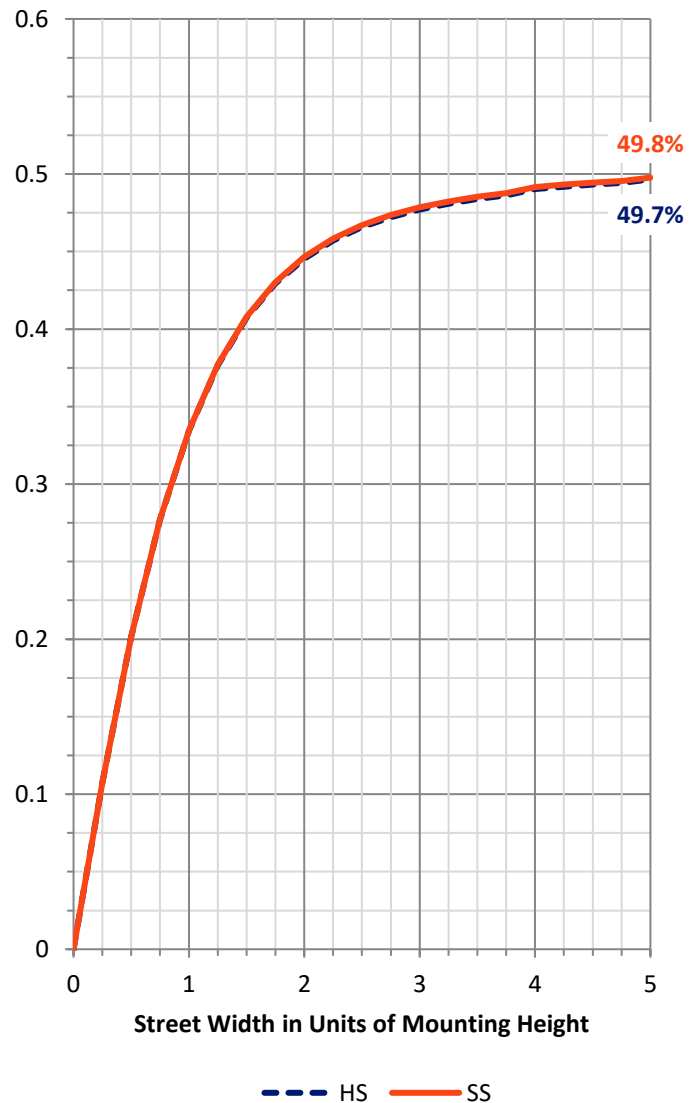
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3553.2	0.0	3553.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3553.2	0.0	3553.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7106.5	0.0	7106.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.4	2.4
10°-20°	492.9	6.9
20°-30°	784.0	11.0
30°-40°	1036.9	14.6
40°-50°	1265.3	17.8
50°-60°	1366.5	19.2
60°-70°	1183.4	16.7
70°-80°	671.0	9.4
80°-90°	138.0	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°	7106.5	100.0
0°-180°	7106.5	100.0

Coefficient of Utilization



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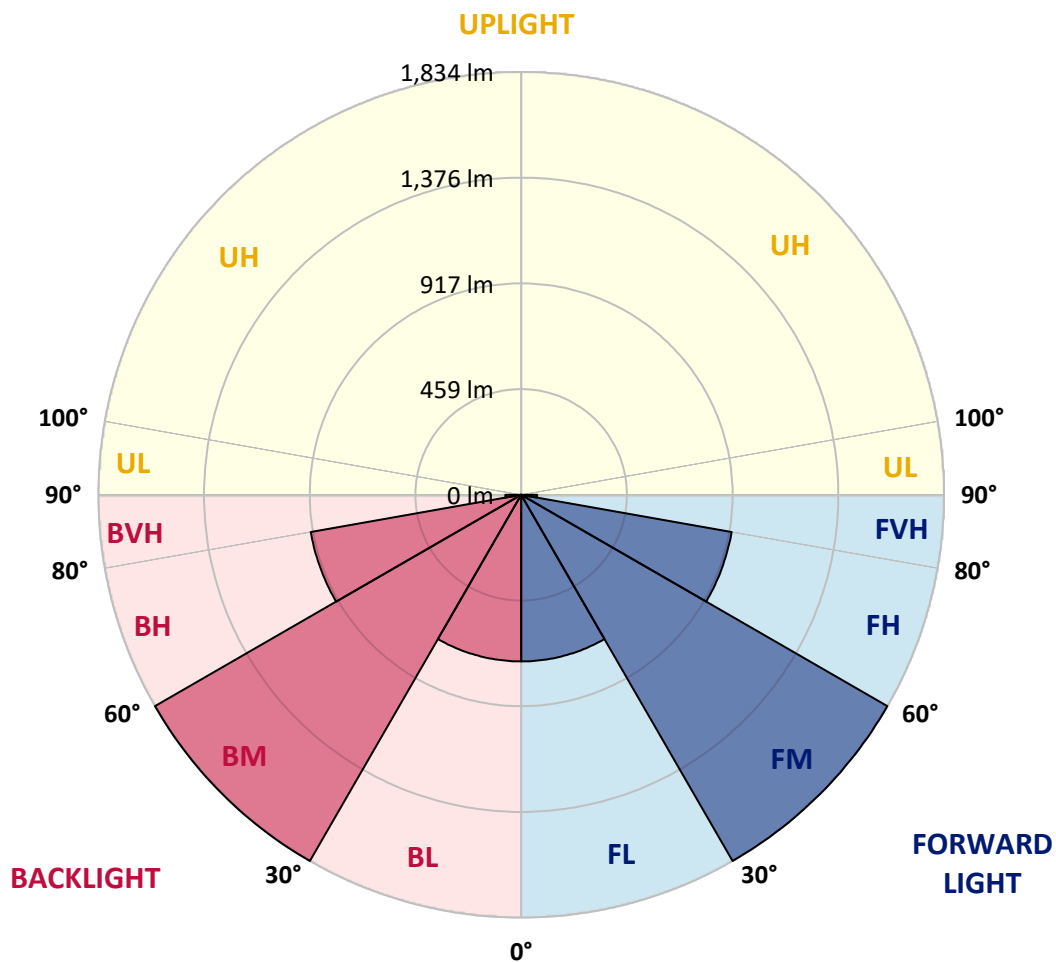
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	722.6	10.2			
FM	(30°-60°)	1834.4	25.8			
FH	(60°-80°)	927.2	13.0			G1/1800
FVH	(80°-90°)	69.0	1.0			G1/100
BL	(0°-30°)	722.6	10.2	B2/1000		
BM	(30°-60°)	1834.4	25.8	B2/2500		
BH	(60°-80°)	927.2	13.0	B2/1000		G1/1800
BVH	(80°-90°)	69.0	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°	1771.1	1771.1	1771.1	1771.1	1771.1	1771.1	1771.1	1771.1	1771.1	1771.1	1771.1
2.5°	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8	1769.8
5°	1767.4	1767.4	1767.4	1767.4	1767.4	1767.4	1767.4	1767.4	1767.4	1767.4	1767.4
7.5°	1762.5	1762.5	1762.5	1762.5	1762.5	1763.7	1762.5	1762.5	1762.5	1762.5	1763.7
10°	1756.4	1756.4	1757.6	1757.6	1756.4	1756.4	1756.4	1756.4	1756.4	1756.4	1756.4
12.5°	1749.0	1749.0	1749.0	1749.0	1749.0	1749.0	1749.0	1749.0	1747.8	1747.8	1747.8
15°	1740.4	1740.4	1740.4	1741.7	1741.7	1741.7	1741.7	1740.4	1739.3	1738.0	1739.3
17.5°	1731.9	1731.9	1733.1	1734.3	1734.3	1734.3	1734.3	1731.9	1730.7	1729.5	1729.5
20°	1720.9	1722.1	1722.1	1723.3	1724.6	1724.6	1724.6	1723.3	1720.9	1718.5	1718.5
22.5°	1708.6	1709.9	1711.1	1712.3	1713.5	1712.3	1712.3	1711.1	1708.6	1707.5	1706.2
25°	1692.8	1692.8	1695.2	1697.7	1698.9	1698.9	1698.9	1696.4	1694.0	1692.8	1691.5
27.5°	1676.8	1676.8	1679.3	1683.0	1684.2	1685.4	1683.0	1681.7	1678.1	1675.7	1675.7
30°	1659.7	1659.7	1663.4	1668.3	1672.0	1673.1	1672.0	1667.0	1662.2	1659.7	1659.7
32.5°	1643.9	1645.0	1648.7	1656.0	1662.2	1664.6	1663.4	1657.3	1651.2	1646.3	1645.0
35°	1631.6	1632.8	1640.2	1648.7	1658.5	1662.2	1658.5	1652.4	1642.6	1635.2	1635.2
37.5°	1624.2	1624.2	1634.1	1648.7	1659.7	1664.6	1659.7	1651.2	1637.8	1627.9	1627.9
40°	1615.7	1618.1	1630.4	1648.7	1664.6	1672.0	1665.9	1653.6	1636.5	1624.2	1623.1
42.5°	1604.7	1608.4	1621.8	1646.3	1665.9	1676.8	1670.7	1656.0	1635.2	1621.8	1620.6
45°	1590.0	1591.3	1608.4	1637.8	1663.4	1678.1	1673.1	1654.9	1631.6	1615.7	1613.2
47.5°	1566.8	1569.2	1590.0	1624.2	1656.0	1672.0	1668.3	1647.5	1618.1	1599.8	1596.1
50°	1539.8	1542.4	1566.8	1606.0	1641.3	1659.7	1653.6	1627.9	1596.1	1571.6	1569.2
52.5°	1506.9	1511.7	1538.7	1582.7	1620.6	1637.8	1627.9	1594.9	1558.2	1531.3	1528.8
55°	1466.5	1471.4	1501.9	1548.4	1586.3	1599.8	1586.3	1547.2	1508.0	1477.5	1471.4
57.5°	1416.3	1420.0	1449.4	1498.3	1535.0	1546.0	1528.8	1488.5	1442.0	1409.0	1405.3
60°	1342.9	1347.9	1382.1	1427.3	1464.1	1477.5	1460.4	1411.5	1361.3	1328.2	1327.1
62.5°	1254.9	1263.5	1292.8	1341.7	1374.7	1393.1	1369.8	1319.7	1269.6	1231.7	1231.7
65°	1148.5	1154.6	1186.4	1234.1	1265.9	1281.8	1258.6	1212.1	1157.1	1124.0	1120.3
67.5°	1026.2	1031.1	1059.2	1108.1	1142.4	1155.8	1130.1	1086.1	1034.8	999.3	995.6
70°	890.4	897.7	918.5	963.8	994.4	1001.7	982.1	940.5	894.0	862.2	859.8
72.5°	742.4	748.6	775.4	810.9	835.4	837.8	825.6	795.1	747.3	721.6	717.9
75°	590.7	600.6	623.8	654.3	672.7	672.7	665.3	643.4	601.7	582.2	582.2
77.5°	447.6	452.6	477.0	497.8	512.5	519.9	511.3	491.7	458.7	445.2	437.9
80°	311.9	316.8	327.8	343.7	358.3	363.3	353.5	337.5	319.2	309.4	304.6
82.5°	190.8	195.6	201.8	210.3	220.2	225.0	218.9	209.2	193.2	192.1	190.8
85°	91.7	94.1	99.1	101.5	106.4	107.6	108.8	104.0	99.1	93.0	95.4
87.5°	28.1	28.1	29.4	30.5	33.1	33.1	33.1	31.8	29.4	28.1	28.1
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)