

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: P197571

Luminaire Tested: **TT-C4-LED-E1-5CQ-PM-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197571  
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-7050  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
CONCENTRATED DISTRIBUTION  
Light Source: (160) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7204.3 lumens  
Efficiency: N/A  
Efficacy: 124.2 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G1

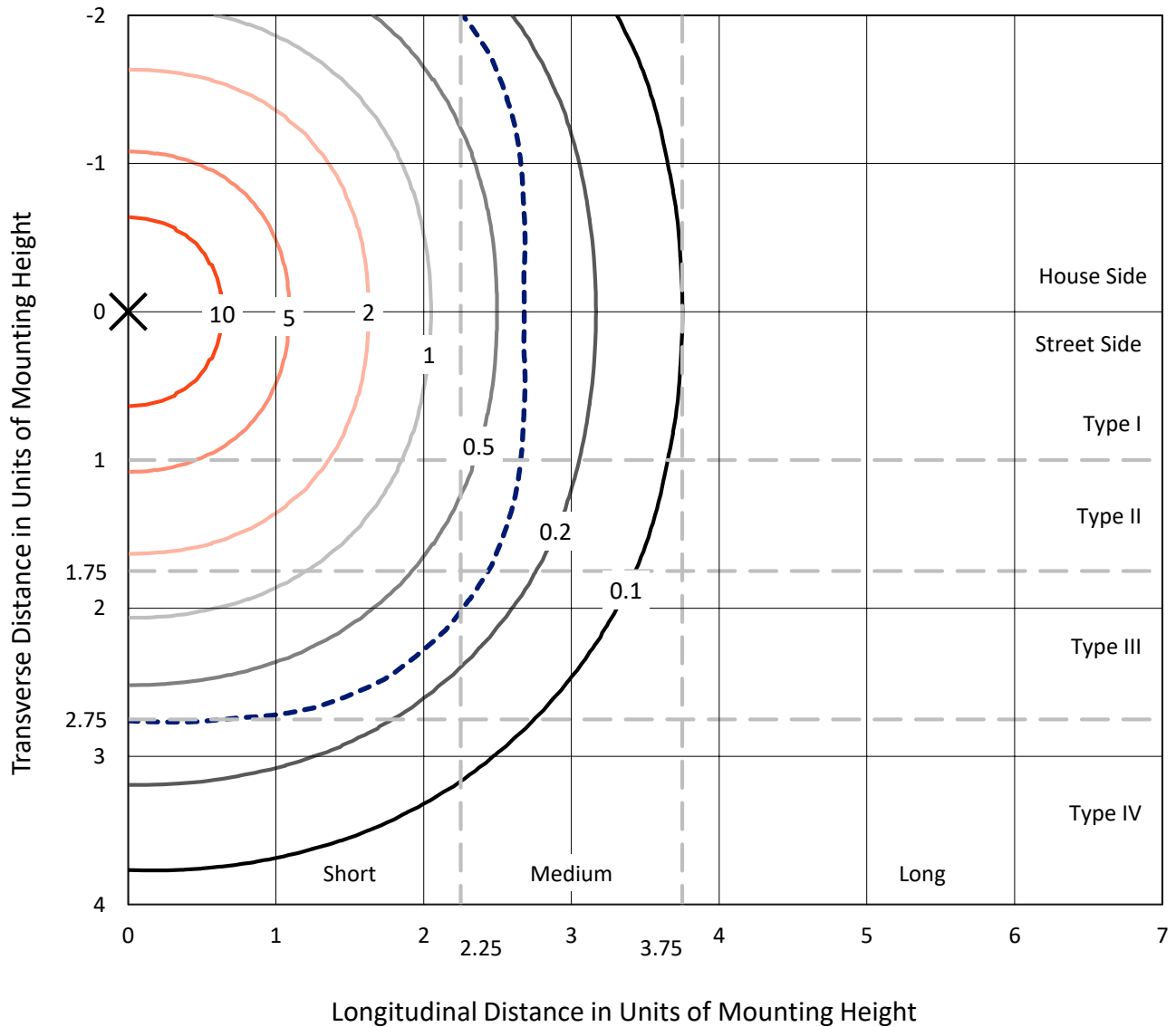
Input Watts (W): 58  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

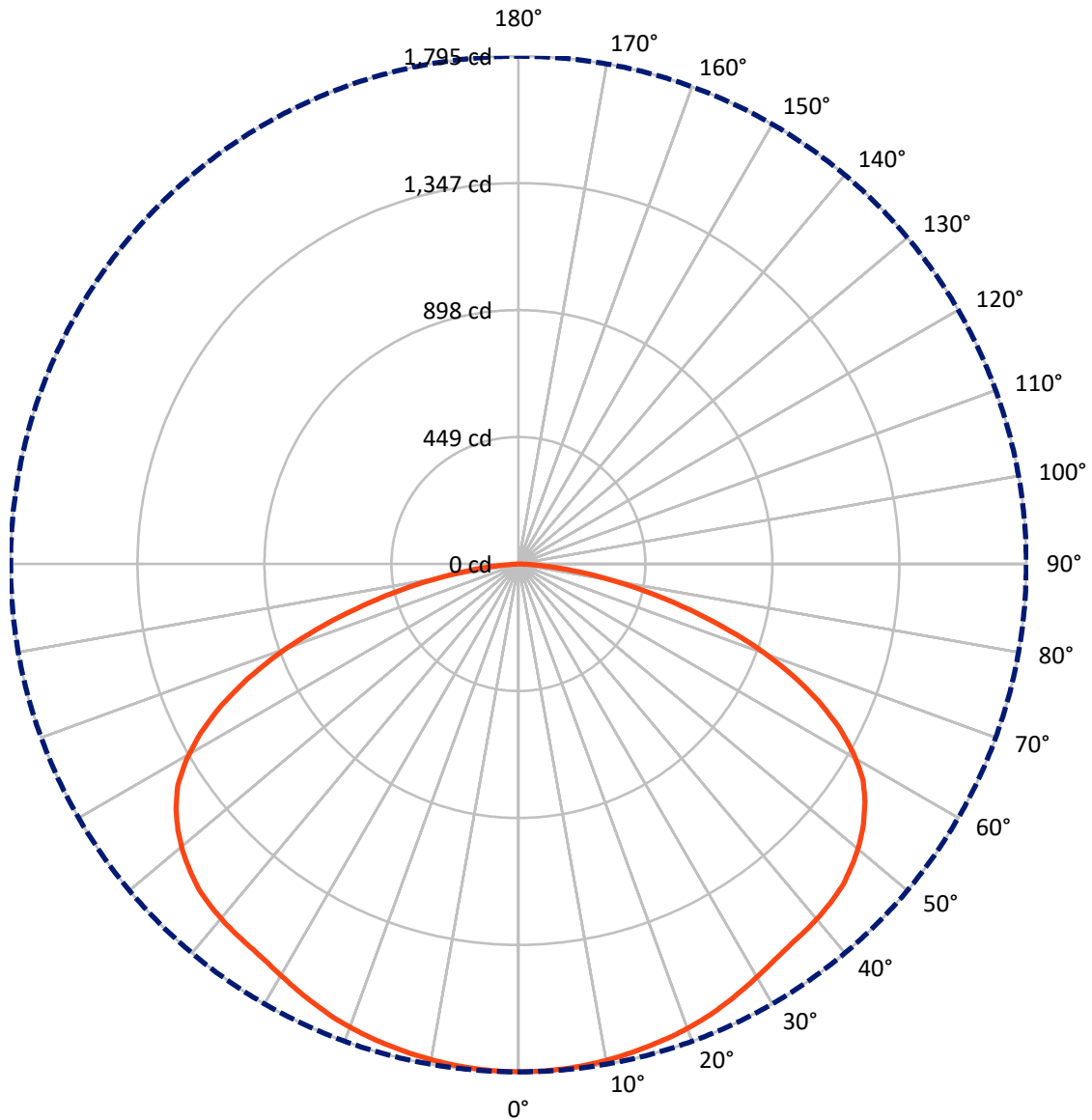
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18 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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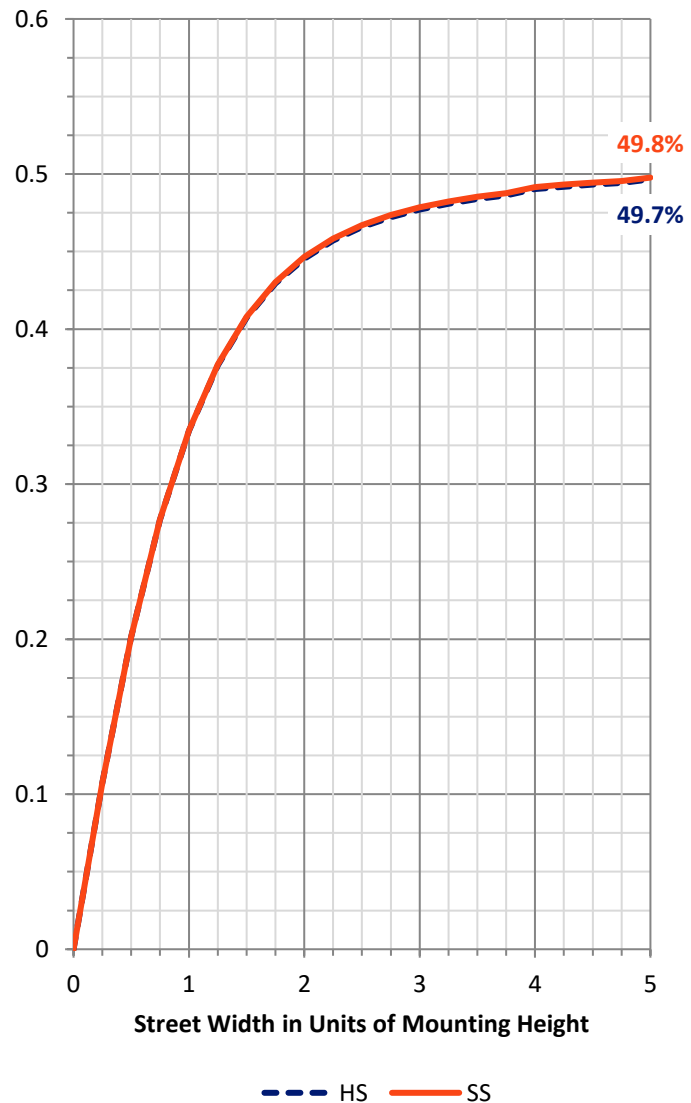
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3602.1	0.0	3602.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3602.1	0.0	3602.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7204.3	0.0	7204.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.7	2.4
10°-20°	499.7	6.9
20°-30°	794.8	11.0
30°-40°	1051.2	14.6
40°-50°	1282.7	17.8
50°-60°	1385.3	19.2
60°-70°	1199.7	16.7
70°-80°	680.2	9.4
80°-90°	139.9	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°	7204.3	100.0
0°-180°	7204.3	100.0



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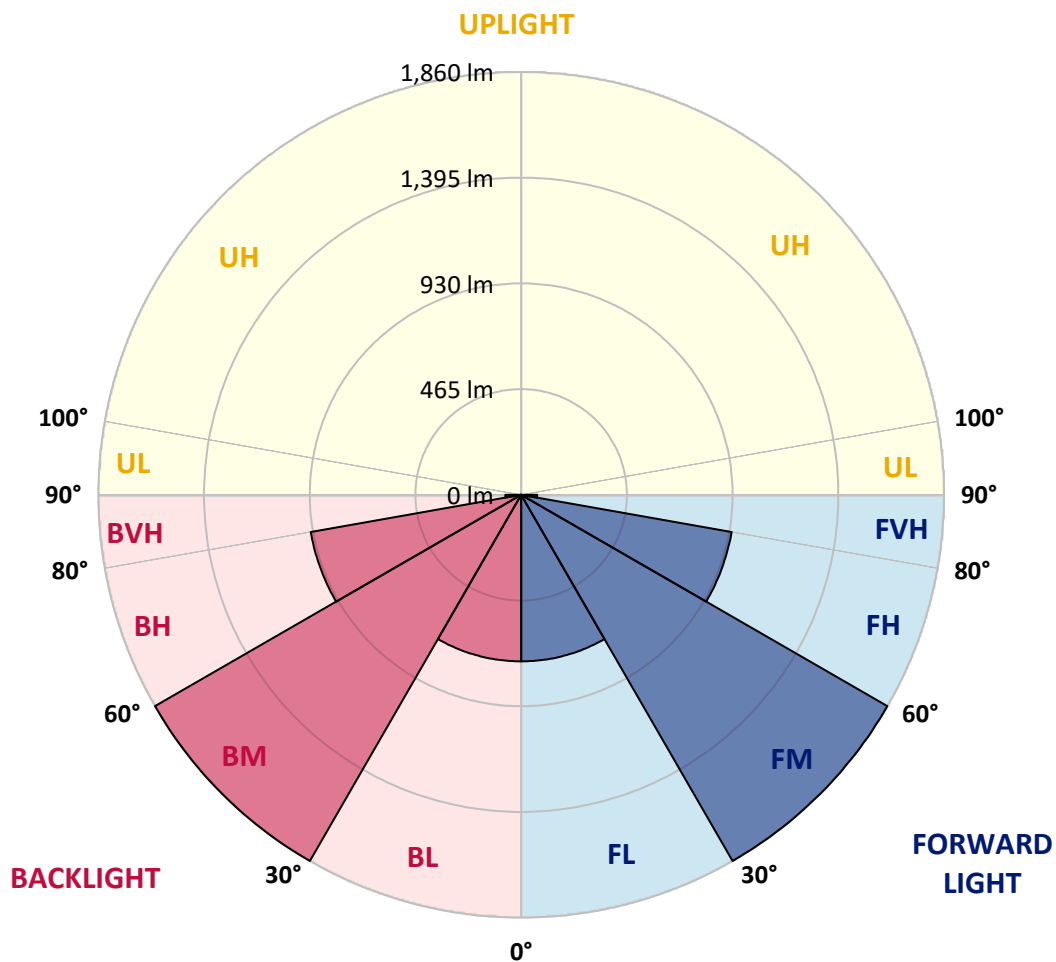
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	732.6	10.2			
FM	(30°-60°)	1859.7	25.8			
FH	(60°-80°)	940.0	13.0			G1/1800
FVH	(80°-90°)	69.9	1.0			G1/100
BL	(0°-30°)	732.6	10.2	B2/1000		
BM	(30°-60°)	1859.7	25.8	B2/2500		
BH	(60°-80°)	940.0	13.0	B2/1000		G1/1800
BVH	(80°-90°)	69.9	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°	1795.4	1795.4	1795.4	1795.4	1795.4	1795.4	1795.4	1795.4	1795.4	1795.4	1795.4
2.5°	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2
5°	1791.6	1791.6	1791.6	1791.6	1791.6	1791.6	1791.6	1791.6	1791.6	1791.6	1791.6
7.5°	1786.7	1786.7	1786.7	1786.7	1786.7	1788.0	1786.7	1786.7	1786.7	1786.7	1788.0
10°	1780.5	1780.5	1781.8	1781.8	1780.5	1780.5	1780.5	1780.5	1780.5	1780.5	1780.5
12.5°	1773.1	1773.1	1773.1	1773.1	1773.1	1773.1	1773.1	1773.1	1771.8	1771.8	1771.8
15°	1764.4	1764.4	1764.4	1765.6	1765.6	1765.6	1765.6	1764.4	1763.1	1761.9	1763.1
17.5°	1755.7	1755.7	1756.9	1758.2	1758.2	1758.2	1758.2	1755.7	1754.4	1753.3	1753.3
20°	1744.6	1745.8	1745.8	1747.1	1748.2	1748.2	1748.2	1747.1	1744.6	1742.1	1742.1
22.5°	1732.2	1733.4	1734.6	1735.9	1737.1	1735.9	1735.9	1734.6	1732.2	1730.9	1729.7
25°	1716.1	1716.1	1718.5	1721.0	1722.2	1722.2	1722.2	1719.7	1717.3	1716.1	1714.8
27.5°	1699.9	1699.9	1702.4	1706.1	1707.4	1708.6	1706.1	1704.8	1701.2	1698.7	1698.7
30°	1682.6	1682.6	1686.3	1691.2	1695.0	1696.2	1695.0	1690.0	1685.0	1682.6	1682.6
32.5°	1666.5	1667.7	1671.4	1678.8	1685.0	1687.5	1686.3	1680.1	1673.9	1668.9	1667.7
35°	1654.0	1655.3	1662.7	1671.4	1681.4	1685.0	1681.4	1675.2	1665.2	1657.8	1657.8
37.5°	1646.7	1646.7	1656.5	1671.4	1682.6	1687.5	1682.6	1673.9	1660.3	1650.3	1650.3
40°	1638.0	1640.4	1652.8	1671.4	1687.5	1695.0	1688.8	1676.3	1659.0	1646.7	1645.4
42.5°	1626.7	1630.5	1644.1	1668.9	1688.8	1699.9	1693.7	1678.8	1657.8	1644.1	1642.9
45°	1611.9	1613.1	1630.5	1660.3	1686.3	1701.2	1696.2	1677.6	1654.0	1638.0	1635.4
47.5°	1588.4	1590.8	1611.9	1646.7	1678.8	1695.0	1691.2	1670.1	1640.4	1621.8	1618.0
50°	1561.0	1563.5	1588.4	1628.0	1664.0	1682.6	1676.3	1650.3	1618.0	1593.3	1590.8
52.5°	1527.6	1532.5	1559.9	1604.4	1642.9	1660.3	1650.3	1616.9	1579.7	1552.4	1549.9
55°	1486.7	1491.6	1522.6	1569.7	1608.2	1621.8	1608.2	1568.5	1528.8	1497.8	1491.6
57.5°	1435.8	1439.5	1469.3	1518.9	1556.1	1567.3	1549.9	1509.0	1461.8	1428.4	1424.6
60°	1361.4	1366.4	1401.1	1446.9	1484.2	1497.8	1480.5	1430.9	1380.1	1346.5	1345.4
62.5°	1272.2	1280.8	1310.6	1360.1	1393.7	1412.2	1388.7	1337.9	1287.1	1248.6	1248.6
65°	1164.3	1170.5	1202.7	1251.1	1283.3	1299.4	1275.9	1228.8	1173.0	1139.5	1135.8
67.5°	1040.3	1045.2	1073.7	1123.3	1158.1	1171.7	1145.6	1101.1	1049.0	1013.0	1009.3
70°	902.6	910.1	931.2	977.1	1008.1	1015.4	995.6	953.5	906.4	874.1	871.7
72.5°	752.6	758.8	786.1	822.0	846.9	849.4	836.9	806.0	757.5	731.5	727.9
75°	598.9	608.8	632.4	663.4	682.0	682.0	674.5	652.2	610.0	590.2	590.2
77.5°	453.8	458.8	483.6	504.7	519.6	527.0	518.3	498.5	464.9	451.3	443.9
80°	316.2	321.1	332.3	348.4	363.3	368.3	358.3	342.2	323.6	313.7	308.7
82.5°	193.4	198.4	204.5	213.2	223.2	228.1	221.9	212.0	195.9	194.7	193.4
85°	93.0	95.5	100.4	102.9	107.9	109.1	110.4	105.4	100.4	94.2	96.8
87.5°	28.5	28.5	29.8	31.0	33.4	33.4	33.4	32.3	29.8	28.5	28.5
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)