

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: P197570

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197570  
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  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
CONCENTRATED DISTRIBUTION  
Light Source: (160) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7273.1 lumens  
Efficiency: N/A  
Efficacy: 125.4 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G1

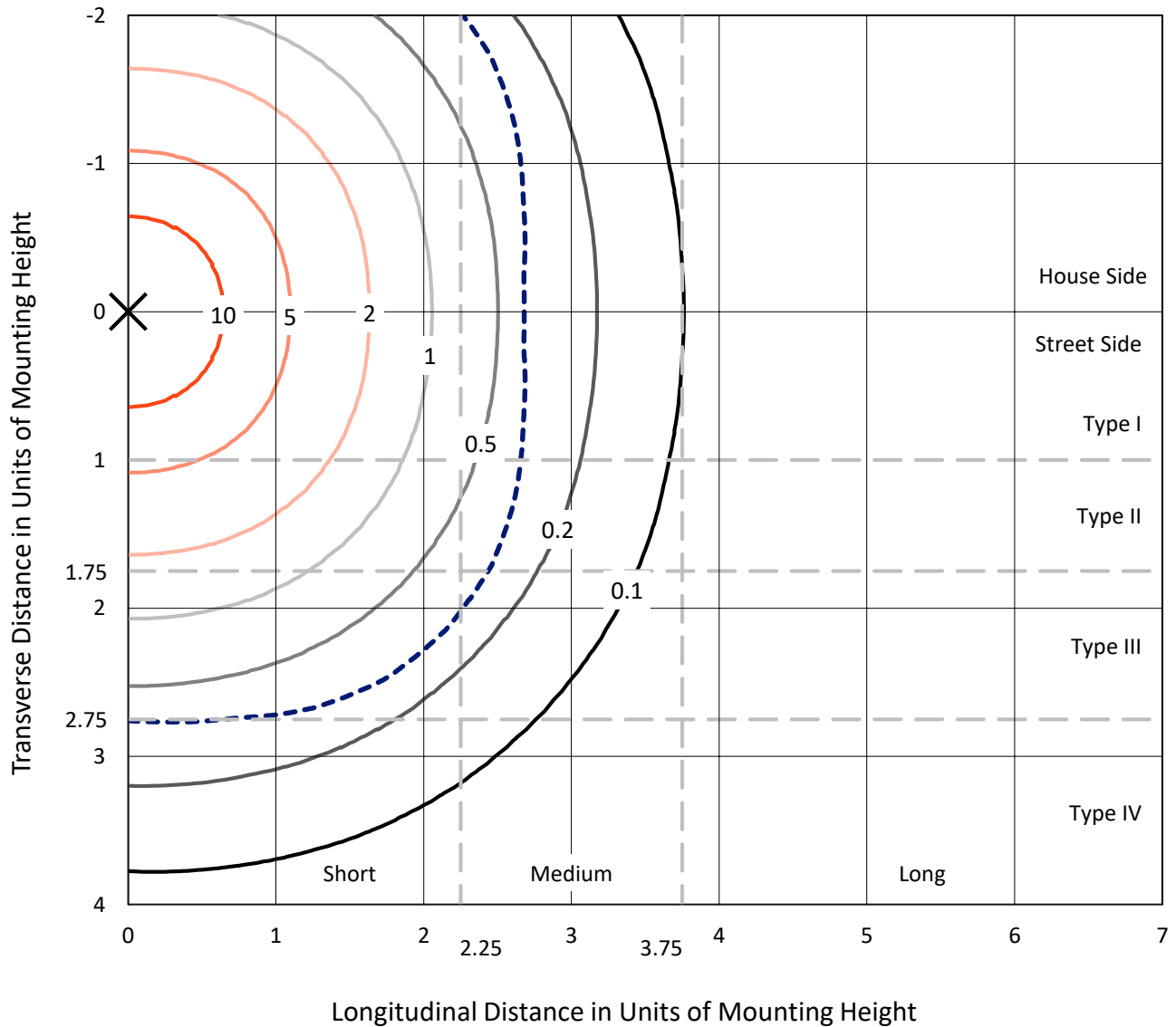
Input Watts (W): 58  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

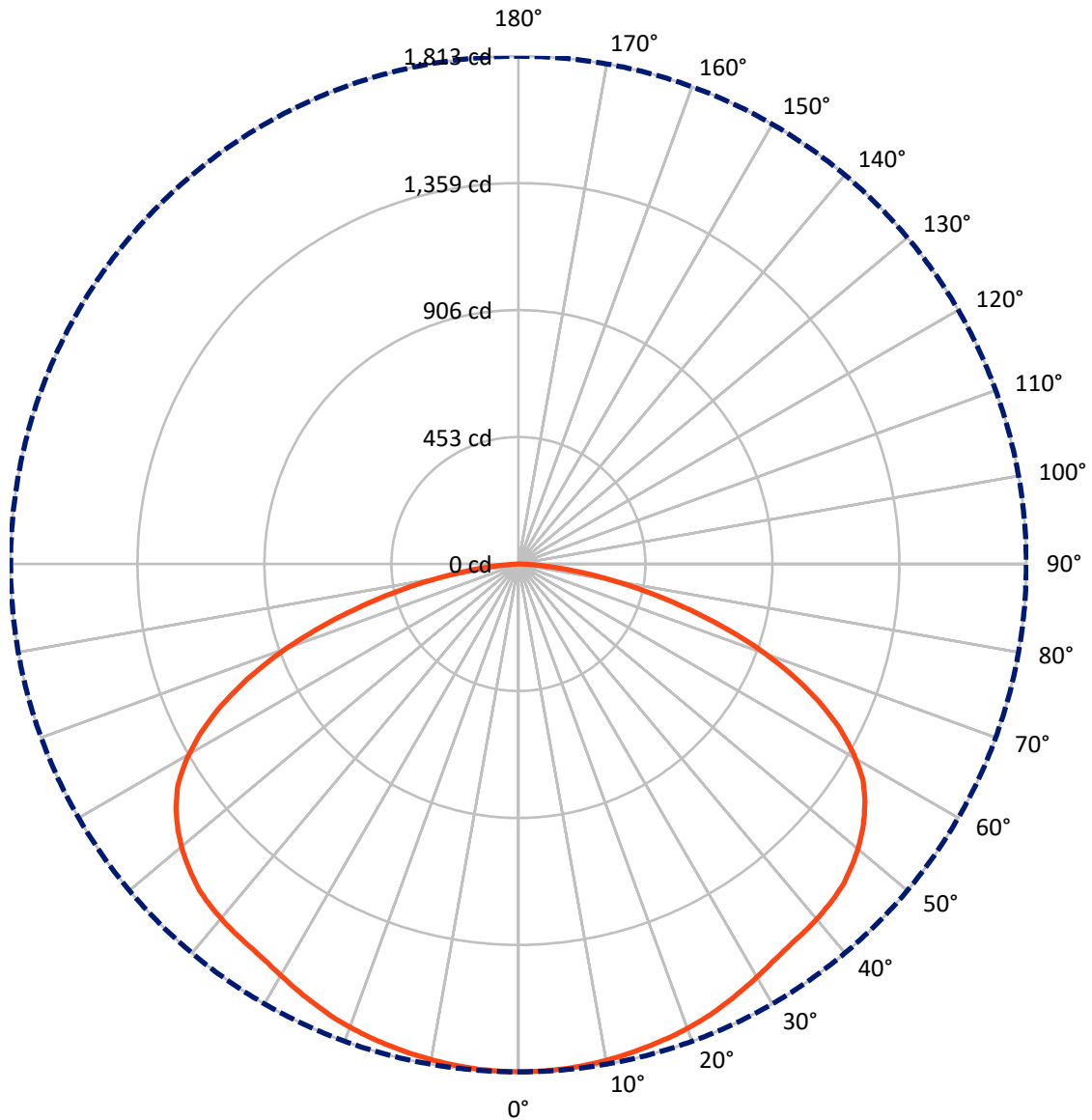
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.1 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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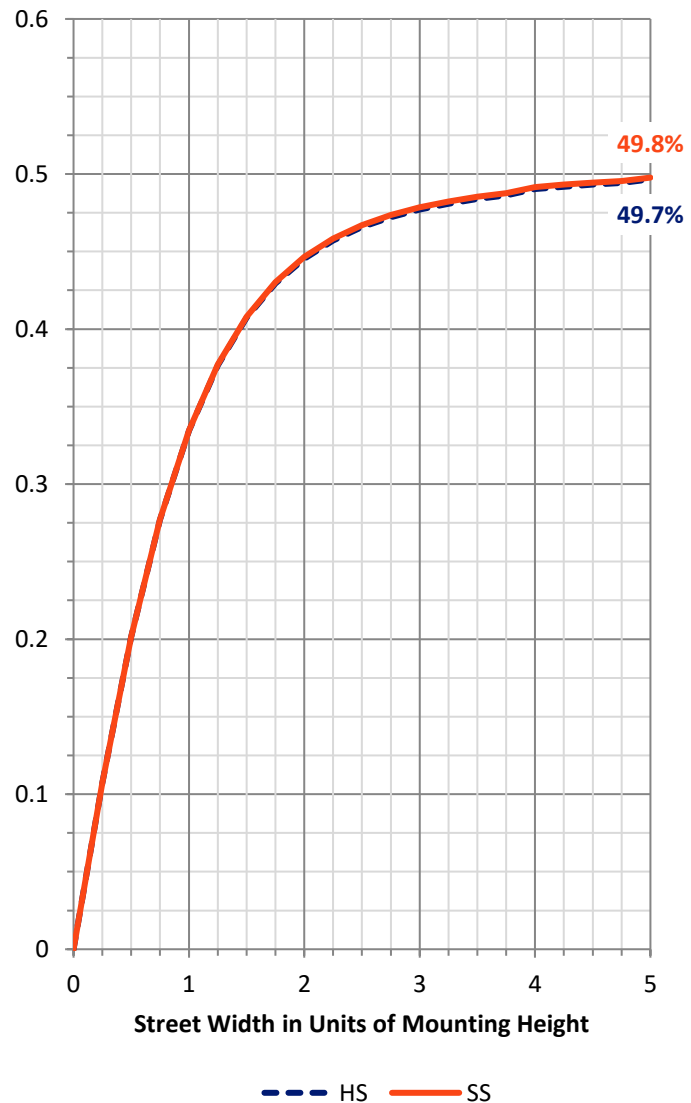
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3636.5	0.0	3636.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3636.5	0.0	3636.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7273.1	0.0	7273.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.3	2.4
10°-20°	504.4	6.9
20°-30°	802.4	11.0
30°-40°	1061.3	14.6
40°-50°	1295.0	17.8
50°-60°	1398.6	19.2
60°-70°	1211.2	16.7
70°-80°	686.7	9.4
80°-90°	141.2	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°	7273.1	100.0
0°-180°	7273.1	100.0



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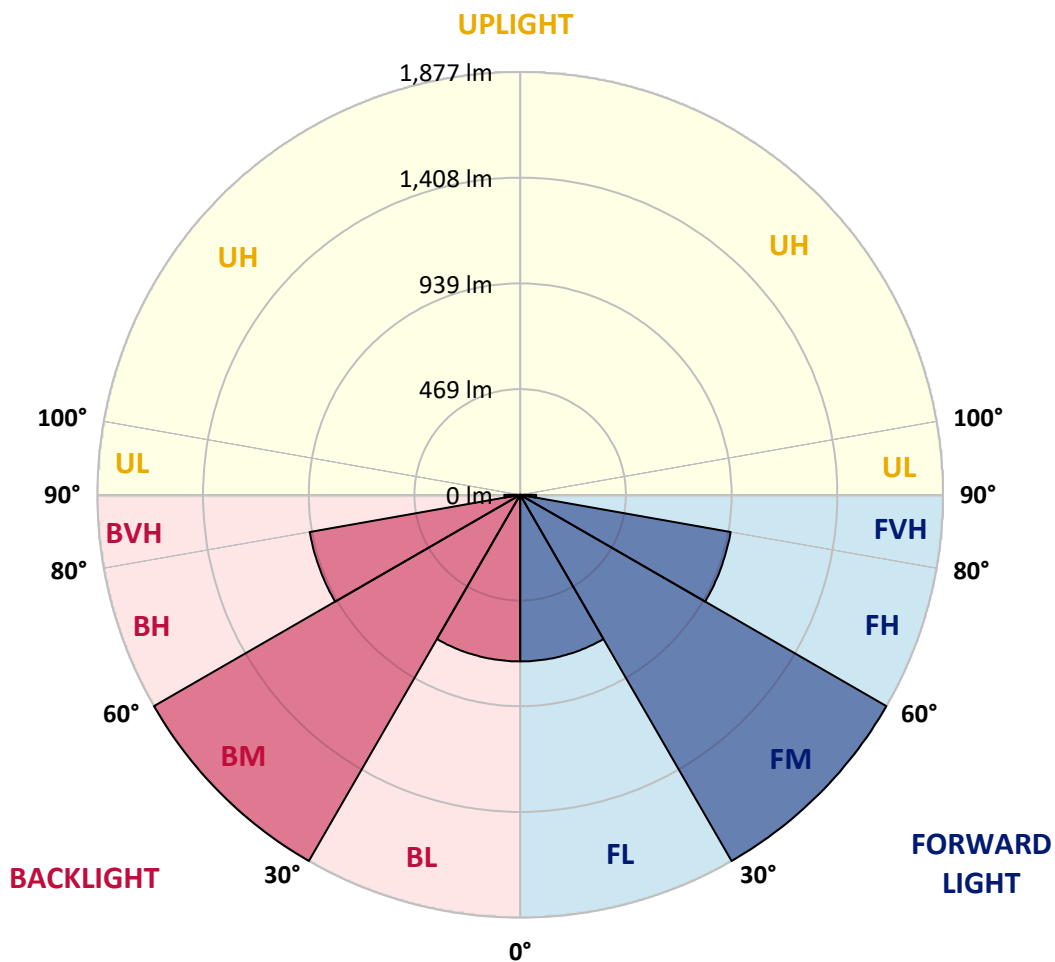
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	739.6	10.2			
FM	(30°-60°)	1877.4	25.8			
FH	(60°-80°)	948.9	13.0			G1/1800
FVH	(80°-90°)	70.6	1.0			G1/100
BL	(0°-30°)	739.6	10.2	B2/1000		
BM	(30°-60°)	1877.4	25.8	B2/2500		
BH	(60°-80°)	948.9	13.0	B2/1000		G1/1800
BVH	(80°-90°)	70.6	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°	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5
2.5°	1811.3	1811.3	1811.3	1811.3	1811.3	1811.3	1811.3	1811.3	1811.3	1811.3	1811.3
5°	1808.8	1808.8	1808.8	1808.8	1808.8	1808.8	1808.8	1808.8	1808.8	1808.8	1808.8
7.5°	1803.8	1803.8	1803.8	1803.8	1803.8	1805.0	1803.8	1803.8	1803.8	1803.8	1805.0
10°	1797.5	1797.5	1798.8	1798.8	1797.5	1797.5	1797.5	1797.5	1797.5	1797.5	1797.5
12.5°	1790.0	1790.0	1790.0	1790.0	1790.0	1790.0	1790.0	1790.0	1788.7	1788.7	1788.7
15°	1781.2	1781.2	1781.2	1782.5	1782.5	1782.5	1782.5	1781.2	1780.0	1778.8	1780.0
17.5°	1772.5	1772.5	1773.8	1775.0	1775.0	1775.0	1775.0	1772.5	1771.3	1770.0	1770.0
20°	1761.2	1762.5	1762.5	1763.7	1765.0	1765.0	1765.0	1763.7	1761.2	1758.7	1758.7
22.5°	1748.7	1750.0	1751.2	1752.5	1753.8	1752.5	1752.5	1751.2	1748.7	1747.5	1746.2
25°	1732.4	1732.4	1734.9	1737.4	1738.7	1738.7	1738.7	1736.2	1733.7	1732.4	1731.1
27.5°	1716.2	1716.2	1718.7	1722.4	1723.7	1725.0	1722.4	1721.2	1717.4	1714.9	1714.9
30°	1698.7	1698.7	1702.4	1707.4	1711.1	1712.4	1711.1	1706.1	1701.2	1698.7	1698.7
32.5°	1682.3	1683.6	1687.3	1694.9	1701.2	1703.7	1702.4	1696.1	1689.9	1684.8	1683.6
35°	1669.9	1671.1	1678.6	1687.3	1697.4	1701.2	1697.4	1691.1	1681.1	1673.6	1673.6
37.5°	1662.3	1662.3	1672.4	1687.3	1698.7	1703.7	1698.7	1689.9	1676.1	1666.1	1666.1
40°	1653.6	1656.0	1668.6	1687.3	1703.7	1711.1	1704.9	1692.4	1674.9	1662.3	1661.1
42.5°	1642.3	1646.1	1659.8	1684.8	1704.9	1716.2	1709.9	1694.9	1673.6	1659.8	1658.5
45°	1627.3	1628.6	1646.1	1676.1	1702.4	1717.4	1712.4	1693.6	1669.9	1653.6	1651.1
47.5°	1603.5	1606.0	1627.3	1662.3	1694.9	1711.1	1707.4	1686.1	1656.0	1637.3	1633.5
50°	1576.0	1578.5	1603.5	1643.6	1679.9	1698.7	1692.4	1666.1	1633.5	1608.5	1606.0
52.5°	1542.2	1547.2	1574.7	1619.8	1658.5	1676.1	1666.1	1632.3	1594.7	1567.2	1564.7
55°	1500.9	1505.9	1537.1	1584.7	1623.6	1637.3	1623.6	1583.4	1543.4	1512.1	1505.9
57.5°	1449.6	1453.3	1483.3	1533.4	1571.0	1582.2	1564.7	1523.4	1475.9	1442.0	1438.2
60°	1374.5	1379.5	1414.5	1460.8	1498.4	1512.1	1494.6	1444.5	1393.2	1359.4	1358.1
62.5°	1284.3	1293.1	1323.1	1373.2	1406.9	1425.8	1402.0	1350.7	1299.3	1260.5	1260.5
65°	1175.4	1181.7	1214.2	1263.0	1295.6	1311.8	1288.0	1240.5	1184.1	1150.4	1146.6
67.5°	1050.2	1055.3	1084.0	1134.1	1169.1	1182.9	1156.7	1111.5	1058.9	1022.7	1018.9
70°	911.2	918.8	940.0	986.3	1017.7	1025.2	1005.2	962.6	915.0	882.5	880.0
72.5°	759.8	766.1	793.6	829.9	855.0	857.5	844.9	813.6	764.8	738.5	734.7
75°	604.6	614.6	638.4	669.7	688.4	688.4	681.0	658.5	615.8	595.8	595.8
77.5°	458.2	463.1	488.1	509.5	524.5	532.0	523.2	503.2	469.4	455.7	448.1
80°	319.2	324.2	335.5	351.8	366.7	371.8	361.7	345.5	326.7	316.7	311.6
82.5°	195.3	200.3	206.6	215.3	225.3	230.3	224.1	214.0	197.8	196.5	195.3
85°	93.9	96.4	101.4	103.9	108.9	110.2	111.5	106.4	101.4	95.1	97.6
87.5°	28.8	28.8	30.1	31.3	33.8	33.8	33.8	32.6	30.1	28.8	28.8
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)