

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: LUMARK

Report Number: P1449836

Luminaire Tested: **TWC100\_T3\_80W\_3000K**

Issue Date: 5/19/2026

**Test Information**

Test Method: LM-79-08  
Report Number: P1449836  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( 20260310005)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: TWC100\_T3\_80W\_3000K  
Description: Tapered Wall Cutoff Wall Mount Luminaire at, T3 distribution, 80W  
3000K settings  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6635 lumens  
Efficiency: N/A  
Efficacy: 173.2 lumens/watt  
Luminous Opening: Rectangular (W 0.92' x L: 0.42' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U3 - G1

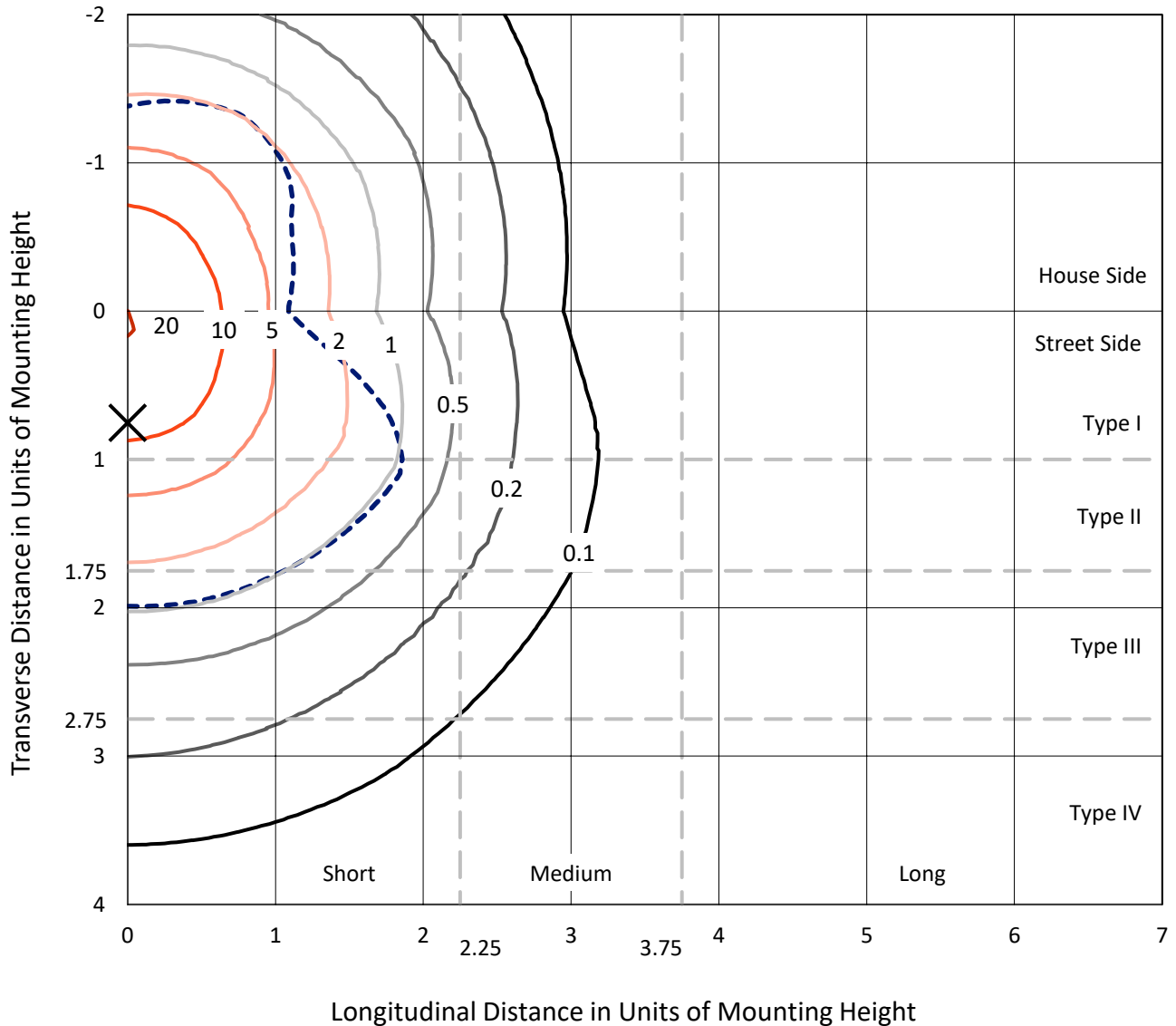
Input Watts (W): 38.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

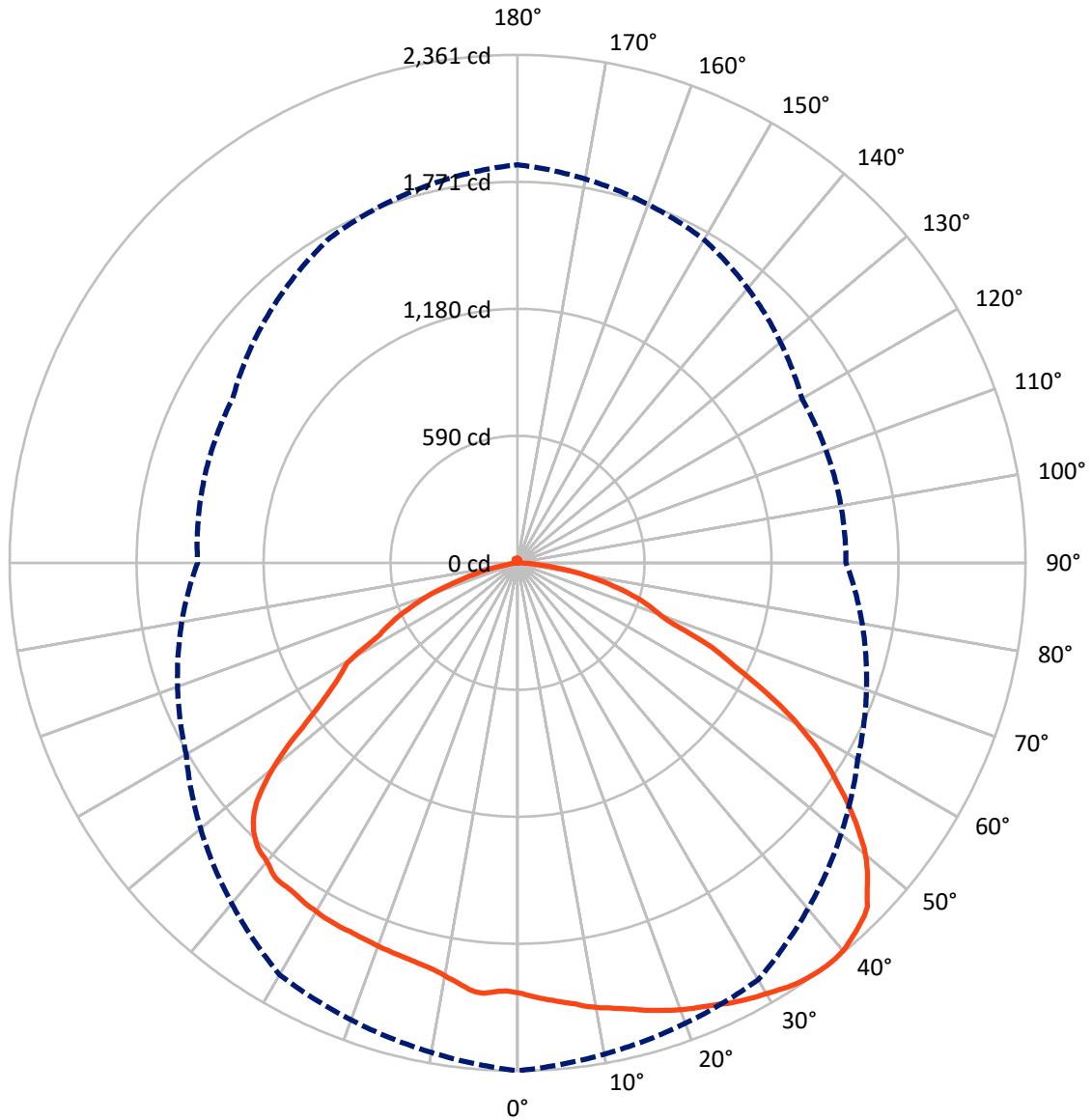
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 37-Deg Vertical

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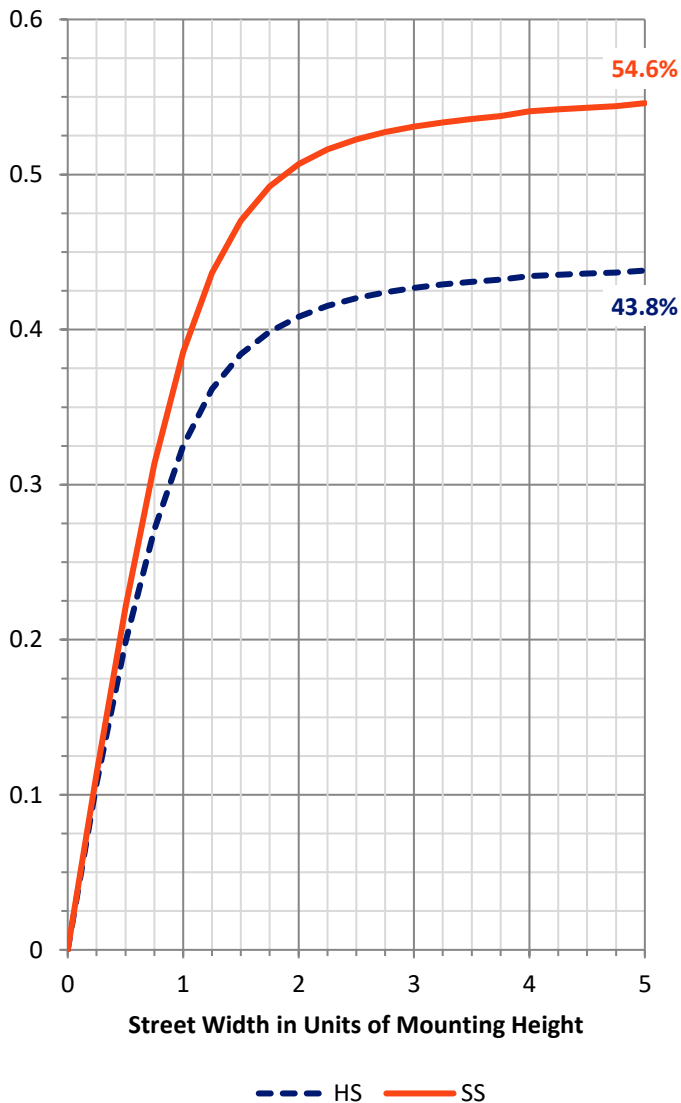
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2922.3	39.8	2962.1
	% Fixture	44.0	0.6	44.6
<b>Street Side</b>	Lumens	3641.2	31.7	3672.9
	% Fixture	54.9	0.5	55.4
<b>Total</b>	Lumens	6563.5	71.5	6635.0
	% Fixture	98.9	1.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.6	2.9
10°-20°	561.0	8.5
20°-30°	890.8	13.4
30°-40°	1153.7	17.4
40°-50°	1297.1	19.5
50°-60°	1199.7	18.1
60°-70°	820.9	12.4
70°-80°	366.0	5.5
80°-90°	82.6	1.2
90°-100°	3.5	0.1
100°-110°	6.5	0.1
110°-120°	9.6	0.1
120°-130°	11.8	0.2
130°-140°	12.3	0.2
140°-150°	11.3	0.2
150°-160°	9.0	0.1
160°-170°	5.7	0.1
170°-180°	2.0	0.0
0°-90°	6563.5	98.9
0°-180°	6635.0	100.0

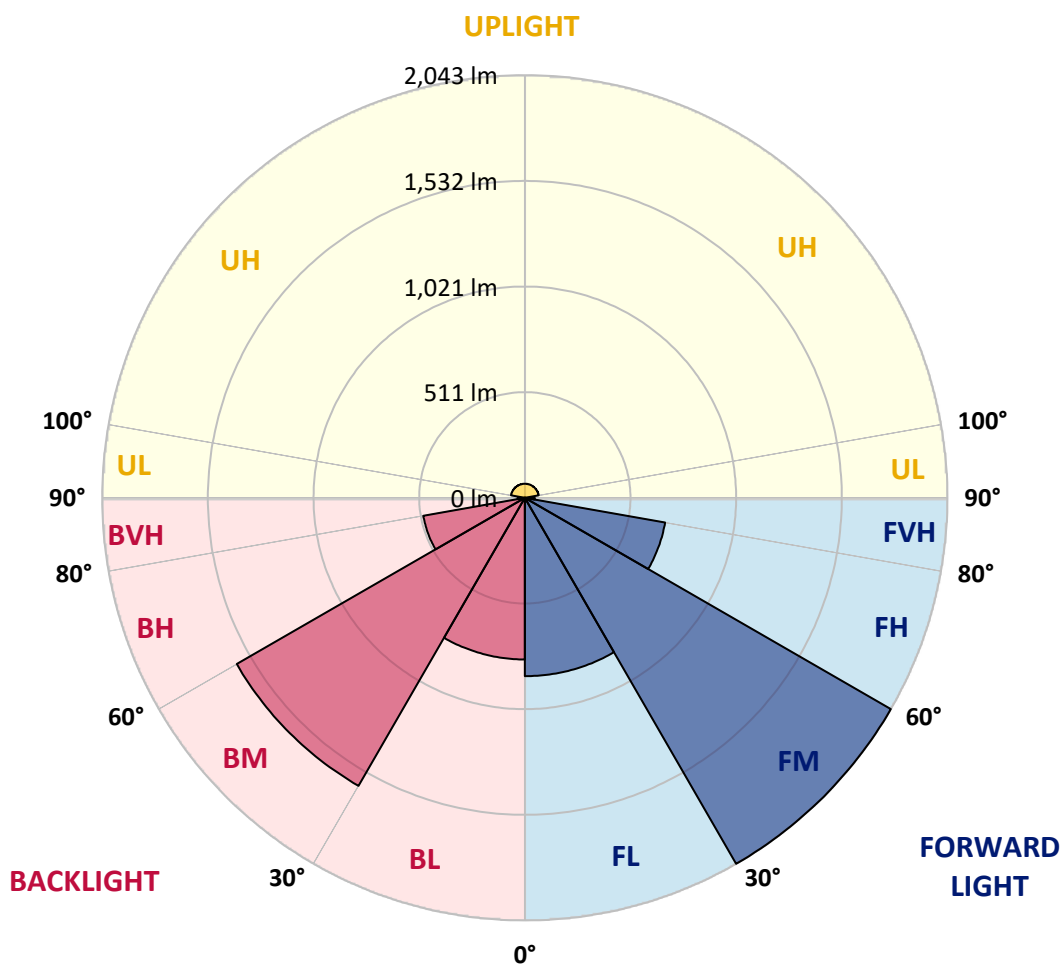


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	862.1	13.0			
FM	(30°-60°)	2042.9	30.8			
FH	(60°-80°)	688.4	10.4			G1/1800
FVH	(80°-90°)	47.8	0.7			G1/100
BL	(0°-30°)	781.3	11.8	B2/1000		
BM	(30°-60°)	1607.7	24.2	B2/2500		
BH	(60°-80°)	498.5	7.5	B1/500		G1/500
BVH	(80°-90°)	34.8	0.5			G1/100
UL	(90°-100°)	3.5	0.1		U1/10	
UH	(100°-180°)	68.1	1.0		U3/500	

**BUG Rating: B2-U3-G1**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	2001.7	2001.7	2001.7	2001.7	2001.7	2001.7	2001.7	2001.7	2001.7	2001.7	2001.7
1°	2011.6	2007.5	2005.9	2002.7	1995.5	1994.3	1994.6	1992.7	1995.8	1999.2	2007.6
2°	2021.0	2016.2	2009.9	2002.5	1990.7	1987.5	1990.6	1990.3	1990.2	1997.3	2011.7
3°	2031.3	2026.6	2013.2	1996.8	1985.6	1982.6	1993.0	1988.6	1985.9	1994.8	2015.0
4°	2039.5	2033.6	2016.1	1994.7	1980.2	1978.3	1999.7	1992.1	1981.8	1991.5	2014.8
5°	2049.5	2041.5	2019.6	1991.9	1978.3	1982.5	2007.6	1997.9	1976.2	1987.6	2016.0
6°	2059.2	2050.6	2020.6	1987.4	1974.5	1990.1	2005.1	2002.0	1975.4	1983.2	2017.2
7°	2068.0	2057.4	2025.3	1986.3	1971.9	1995.1	1994.9	1998.6	1976.0	1977.3	2017.9
8°	2082.7	2065.1	2026.4	1981.4	1972.8	1994.8	1980.4	1987.8	1977.4	1971.0	2018.9
9°	2092.9	2072.3	2026.6	1974.7	1973.3	1984.3	1966.3	1972.6	1982.9	1964.6	2018.2
10°	2103.1	2077.1	2022.2	1965.4	1975.0	1967.4	1955.8	1958.1	1980.8	1957.8	2016.9
11°	2111.1	2083.9	2021.4	1958.1	1971.3	1948.8	1941.4	1945.1	1974.7	1949.4	2016.3
12°	2121.2	2091.4	2021.0	1950.0	1966.3	1937.0	1932.2	1934.8	1960.0	1939.8	2014.1
13°	2131.8	2103.0	2019.2	1939.7	1957.4	1925.2	1924.4	1921.6	1943.6	1926.1	2011.5
14°	2142.9	2109.7	2019.6	1930.1	1942.4	1913.6	1919.1	1911.4	1924.4	1915.1	2008.5
15°	2157.7	2116.9	2016.9	1920.1	1924.8	1902.0	1914.6	1903.0	1906.7	1904.0	2002.3
16°	2168.8	2122.9	2014.9	1909.7	1906.4	1892.9	1910.0	1895.4	1889.3	1894.8	1998.9
17°	2181.5	2131.6	2012.5	1898.0	1888.9	1885.7	1906.0	1886.4	1873.0	1883.4	1994.8
18°	2193.7	2138.6	2008.4	1885.7	1867.2	1878.4	1903.1	1878.9	1857.6	1871.0	1993.0
19°	2205.2	2146.2	2004.0	1873.2	1850.3	1871.4	1900.2	1873.0	1840.2	1858.3	1987.5
20°	2215.4	2152.9	1999.8	1856.4	1833.0	1863.4	1897.2	1868.3	1824.5	1842.7	1981.5
21°	2225.6	2159.2	1991.1	1843.0	1815.6	1853.3	1894.1	1861.8	1807.9	1829.6	1974.9
22°	2234.4	2164.7	1985.2	1829.0	1799.6	1846.1	1889.3	1855.6	1792.8	1817.8	1963.5
23°	2244.8	2172.8	1978.0	1817.0	1783.1	1839.2	1886.9	1849.0	1774.2	1804.5	1955.1
24°	2254.8	2178.3	1971.2	1803.5	1767.1	1832.8	1885.0	1840.3	1759.9	1792.9	1946.1
25°	2269.2	2183.4	1966.3	1790.0	1750.2	1828.2	1882.5	1834.8	1743.4	1781.9	1937.5
26°	2279.9	2188.4	1957.8	1777.1	1733.9	1822.8	1883.2	1828.3	1728.3	1768.4	1926.8
27°	2289.3	2190.2	1949.0	1761.8	1717.1	1815.7	1881.0	1821.4	1711.9	1753.6	1916.3
28°	2299.9	2195.4	1934.2	1747.8	1699.9	1806.4	1879.0	1815.3	1695.4	1737.2	1905.4
29°	2308.0	2200.4	1924.0	1732.9	1678.3	1798.4	1877.5	1808.7	1678.5	1719.0	1893.2
30°	2317.8	2204.3	1913.6	1715.9	1660.6	1790.7	1872.9	1802.1	1657.3	1696.5	1881.2
31°	2327.3	2212.1	1903.3	1694.6	1642.2	1783.8	1869.6	1794.3	1639.6	1665.4	1868.5
32°	2338.7	2217.6	1892.4	1672.7	1623.7	1774.8	1866.4	1788.2	1622.7	1636.5	1855.8
33°	2345.6	2222.4	1881.1	1648.8	1606.5	1767.8	1862.3	1781.4	1605.3	1606.9	1838.1
34°	2351.9	2227.5	1868.7	1620.2	1587.8	1760.6	1855.9	1774.8	1586.4	1577.4	1823.7
35°	2356.4	2230.8	1855.8	1588.5	1569.3	1752.4	1851.9	1763.7	1567.4	1548.6	1808.4
36°	2359.2	2233.6	1840.1	1557.7	1549.9	1744.5	1849.0	1753.4	1547.6	1517.9	1792.7
37°	2360.8	2236.8	1825.4	1526.6	1525.7	1734.3	1850.1	1743.8	1528.4	1487.2	1778.8
38°	2359.7	2237.3	1810.7	1494.2	1504.8	1724.0	1846.8	1736.5	1507.3	1451.5	1762.6
39°	2356.1	2236.7	1796.1	1455.8	1484.4	1716.6	1834.9	1733.8	1486.6	1419.9	1746.8
40°	2350.0	2233.0	1778.0	1423.7	1463.2	1710.7	1819.0	1728.5	1465.9	1388.4	1726.7
41°	2337.5	2229.0	1765.0	1391.5	1440.1	1702.3	1806.5	1715.8	1444.2	1357.2	1710.7
42°	2326.1	2223.6	1751.7	1359.9	1418.2	1690.5	1800.7	1696.8	1418.3	1326.5	1695.7
43°	2313.2	2213.6	1738.8	1326.4	1396.1	1670.3	1788.7	1681.8	1395.9	1291.8	1681.4
44°	2299.6	2202.3	1728.7	1293.5	1372.6	1659.9	1770.4	1674.4	1372.4	1260.6	1666.8



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**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	2279.8	2188.9	1717.5	1261.5	1346.4	1652.0	1749.8	1661.7	1349.1	1228.9	1654.5
46°	2239.8	2173.7	1707.3	1225.0	1320.9	1640.2	1722.1	1643.7	1328.4	1194.4	1642.1
47°	2205.9	2151.0	1693.6	1191.6	1297.8	1622.4	1687.7	1622.8	1311.0	1161.2	1630.8
48°	2170.8	2121.1	1683.9	1157.4	1278.9	1600.2	1645.6	1601.8	1289.9	1127.9	1619.1
49°	2132.5	2078.7	1673.8	1123.3	1256.0	1578.8	1584.8	1578.5	1255.7	1093.9	1608.3
50°	2088.6	2044.9	1663.9	1088.6	1226.7	1556.6	1519.8	1545.5	1229.9	1054.7	1597.1
51°	2035.0	2011.5	1654.1	1050.3	1197.4	1529.2	1442.8	1506.3	1208.6	1020.3	1585.7
52°	1980.7	1967.7	1643.2	1015.7	1175.5	1488.5	1359.7	1459.8	1185.3	986.1	1574.3
53°	1923.8	1917.3	1631.2	980.2	1152.9	1444.7	1265.1	1404.2	1158.2	951.0	1558.6
54°	1865.6	1853.8	1618.6	942.7	1127.7	1391.5	1186.6	1338.2	1132.4	913.2	1545.0
55°	1801.3	1795.3	1605.8	907.0	1101.2	1323.0	1119.6	1253.6	1105.8	877.2	1531.8
56°	1743.8	1731.2	1593.0	870.5	1070.0	1249.8	1065.6	1172.1	1077.5	840.4	1520.3
57°	1683.9	1659.3	1578.4	828.4	1041.3	1170.4	1018.1	1092.9	1045.8	802.2	1505.3
58°	1620.2	1592.6	1557.4	790.1	1010.9	1089.4	981.2	1022.7	1013.6	764.9	1488.9
59°	1542.9	1525.9	1518.7	752.5	978.4	1007.8	948.4	962.2	981.1	722.7	1460.8
60°	1468.7	1458.6	1487.3	714.6	941.5	949.8	918.5	917.7	946.9	684.7	1423.2
61°	1387.6	1385.7	1454.6	674.0	907.8	904.4	853.2	881.8	906.8	646.9	1391.9
62°	1297.6	1316.3	1405.8	637.9	872.0	867.2	772.9	850.0	872.1	606.1	1353.0
63°	1205.6	1246.9	1346.2	601.7	832.5	833.8	721.4	815.3	834.8	573.4	1299.7
64°	1119.1	1174.7	1274.0	565.2	795.5	803.6	687.3	756.9	791.8	541.3	1226.4
65°	1053.5	1082.2	1189.6	527.8	756.2	747.7	651.8	696.1	738.4	505.5	1145.4
66°	988.1	990.8	1079.9	494.0	711.5	682.6	616.0	660.3	678.4	468.9	1049.4
67°	889.2	914.1	969.2	456.4	653.1	651.2	576.5	634.6	609.4	434.8	938.4
68°	778.1	841.1	849.6	419.0	589.3	626.5	533.9	609.1	542.4	400.0	808.8
69°	720.9	732.5	729.0	379.0	519.4	601.4	494.6	579.7	481.3	360.1	683.5
70°	686.7	642.4	617.4	344.2	452.9	569.9	453.3	547.0	441.7	324.7	562.9
71°	654.7	603.2	540.5	309.6	407.4	541.4	410.6	518.5	414.0	290.8	472.5
72°	620.8	573.8	548.7	273.6	377.0	514.2	359.4	488.6	381.7	258.1	441.8
73°	584.1	547.2	596.7	241.9	348.3	483.4	312.0	457.1	349.0	224.1	518.9
74°	540.7	520.7	468.3	212.6	313.4	453.0	268.5	420.0	329.5	195.0	461.7
75°	497.7	492.4	305.7	185.2	293.8	421.6	229.7	382.1	311.1	168.6	276.4
76°	454.8	456.8	255.0	157.4	275.7	385.8	194.9	338.7	290.8	144.3	219.5
77°	409.8	422.6	224.6	135.5	254.3	338.6	167.1	295.7	270.6	121.2	192.4
78°	368.3	392.9	223.9	115.7	236.6	295.9	141.0	253.1	252.9	101.9	185.2
79°	325.7	366.1	221.6	98.3	219.7	256.1	108.4	220.2	235.7	84.9	196.4
80°	283.9	336.8	168.8	80.4	203.5	223.3	71.2	190.8	215.8	69.0	145.1
81°	238.3	306.3	117.3	64.5	185.0	190.8	44.8	159.2	196.9	54.5	98.0
82°	197.0	266.1	99.2	50.1	167.8	161.8	35.2	125.3	178.0	40.8	81.4
83°	155.9	217.6	86.4	36.6	149.7	125.7	27.2	77.8	157.6	30.9	70.3
84°	119.5	187.6	74.1	27.1	130.2	75.4	20.2	35.9	133.6	23.0	61.5
85°	81.5	157.5	63.1	19.6	110.7	29.4	16.0	18.4	110.8	16.1	52.4
86°	57.8	116.3	53.3	13.6	86.7	15.2	10.1	12.4	90.5	11.1	42.7
87°	34.4	77.6	38.4	8.1	68.8	9.2	6.4	7.7	64.2	7.3	29.3
88°	12.1	28.6	16.6	4.1	40.0	4.9	4.3	4.7	24.1	4.2	10.2
89°	1.5	1.6	1.6	1.7	10.3	2.4	3.4	3.5	3.4	2.3	2.6



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**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	1.0	1.2	1.1	0.8	1.4	1.6	3.5	3.5	3.2	2.1	2.6
91°	1.0	1.3	1.2	1.0	1.5	1.7	3.8	3.8	3.5	2.3	2.9
92°	1.2	1.5	1.3	1.1	1.7	1.8	4.2	4.0	3.8	2.6	3.1
93°	1.3	1.5	1.5	1.2	1.8	2.1	4.5	4.5	4.1	2.8	3.3
94°	1.3	1.7	1.6	1.3	2.0	2.2	4.9	4.8	4.4	3.0	3.5
95°	1.5	1.9	1.8	1.4	2.3	2.4	5.3	5.2	4.8	3.2	3.8
96°	1.6	2.0	1.9	1.6	2.5	2.6	5.6	5.5	5.1	3.5	3.9
97°	1.9	2.2	2.1	1.6	2.6	2.9	6.2	5.9	5.5	3.8	4.3
98°	2.0	2.4	2.2	1.9	3.0	3.2	6.5	6.4	5.8	4.1	4.5
99°	2.1	2.6	2.5	2.0	3.3	3.4	7.0	6.9	6.3	4.3	4.7
100°	2.4	2.8	2.6	2.2	3.5	3.7	7.5	7.3	6.6	4.6	5.0
101°	2.7	3.0	2.8	2.5	3.7	4.0	7.9	7.7	7.0	4.8	5.2
102°	2.9	3.2	3.0	2.6	4.1	4.3	8.4	8.2	7.4	5.2	5.6
103°	3.1	3.5	3.2	2.9	4.3	4.6	8.9	8.6	7.9	5.5	5.8
104°	3.3	3.8	3.4	3.1	4.6	4.9	9.2	9.1	8.3	5.9	6.3
105°	3.6	3.9	3.7	3.3	4.9	5.3	9.8	9.6	8.6	6.2	6.6
106°	3.9	4.3	3.9	3.6	5.3	5.6	10.2	10.1	9.0	6.6	6.9
107°	4.2	4.5	4.2	3.9	5.5	6.0	10.8	10.6	9.5	6.9	7.2
108°	4.4	4.8	4.4	4.2	5.9	6.5	11.3	11.1	9.8	7.3	7.5
109°	4.8	5.1	4.7	4.4	6.4	6.9	11.8	11.6	10.3	7.6	7.8
110°	5.0	5.4	4.9	4.7	6.7	7.3	12.3	12.1	10.7	8.0	8.1
111°	5.4	5.7	5.1	5.0	7.0	7.7	13.0	12.8	11.0	8.3	8.5
112°	5.7	6.0	5.4	5.2	7.3	8.2	13.5	13.2	11.4	8.7	8.9
113°	6.0	6.4	5.7	5.6	7.6	8.7	13.9	13.7	11.8	9.1	9.0
114°	6.4	6.7	5.9	5.9	7.9	9.1	14.5	14.2	12.2	9.4	9.4
115°	6.8	7.1	6.3	6.3	8.3	9.5	14.9	14.5	12.5	9.8	9.7
116°	7.1	7.4	6.6	6.6	8.7	10.1	15.5	15.1	12.9	10.1	9.9
117°	7.6	7.8	6.8	6.8	8.9	10.4	15.9	15.5	13.3	10.5	10.3
118°	7.9	8.0	7.1	7.2	9.3	10.8	16.4	15.8	13.4	10.9	10.6
119°	8.2	8.4	7.4	7.5	9.6	11.3	16.8	16.3	13.8	11.3	10.9
120°	8.7	8.8	7.7	7.8	10.0	11.7	17.2	16.7	14.2	11.6	11.2
121°	9.0	9.1	7.9	8.2	10.3	12.2	17.6	17.0	14.4	11.9	11.5
122°	9.4	9.5	8.3	8.5	10.6	12.5	18.0	17.4	14.8	12.2	11.8
123°	9.8	9.7	8.7	8.7	10.9	13.0	18.3	17.6	15.2	12.6	12.1
124°	10.1	10.0	8.8	9.1	11.3	13.4	18.8	18.1	15.5	12.9	12.5
125°	10.5	10.3	9.2	9.4	11.6	13.6	19.1	18.3	15.7	13.3	12.8
126°	10.8	10.7	9.4	9.8	12.0	14.1	19.4	18.5	15.9	13.6	13.1
127°	11.2	11.0	9.8	10.0	12.2	14.4	19.6	18.8	16.2	13.7	13.3
128°	11.5	11.2	10.1	10.4	12.8	14.8	19.9	19.1	16.5	14.0	13.5
129°	12.0	11.6	10.3	10.7	13.1	15.2	20.1	19.4	16.8	14.4	13.8
130°	12.2	11.9	10.6	10.9	13.4	15.5	20.3	19.6	17.0	14.6	14.1
131°	12.5	12.2	10.9	11.3	13.7	15.7	20.6	19.8	17.3	14.9	14.4
132°	12.9	12.4	11.2	11.7	14.0	16.1	20.8	20.0	17.5	15.1	14.5
133°	13.2	12.8	11.4	11.9	14.4	16.4	20.9	20.1	17.8	15.4	14.9
134°	13.4	13.0	11.7	12.2	14.8	16.7	21.1	20.3	18.0	15.6	15.1



REPORT NUMBER: P1449836  
 CATALOG NUMBER: TWC100\_T3\_80W\_3000K

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	13.6	13.2	12.0	12.4	15.1	16.9	21.3	20.5	18.2	15.9	15.3
136°	13.9	13.4	12.2	12.8	15.4	17.3	21.4	20.7	18.4	16.2	15.6
137°	14.2	13.7	12.6	13.1	15.7	17.6	21.6	20.8	18.7	16.3	15.9
138°	14.5	14.0	12.8	13.4	16.0	17.9	21.7	20.9	18.8	16.5	16.0
139°	14.7	14.4	13.2	13.6	16.3	18.2	21.7	21.0	19.1	16.7	16.3
140°	15.0	14.5	13.4	13.9	16.6	18.4	22.0	21.1	19.2	17.0	16.5
141°	15.2	14.7	13.7	14.1	16.9	18.8	22.0	21.2	19.4	17.2	16.6
142°	15.5	14.9	13.9	14.3	17.1	18.9	22.0	21.3	19.4	17.4	16.8
143°	15.5	15.2	14.2	14.5	17.4	19.2	22.0	21.4	19.6	17.7	17.1
144°	15.9	15.4	14.4	14.9	17.6	19.5	22.0	21.4	19.8	17.8	17.2
145°	16.1	15.6	14.8	15.1	17.7	19.7	22.0	21.5	19.9	18.0	17.4
146°	16.3	15.8	14.9	15.3	18.0	19.9	22.0	21.5	20.0	18.2	17.6
147°	16.4	16.0	15.2	15.6	18.1	20.1	22.0	21.6	20.1	18.4	17.8
148°	16.7	16.2	15.5	15.8	18.3	20.3	22.0	21.6	20.1	18.6	18.0
149°	17.0	16.5	15.5	16.0	18.5	20.4	22.1	21.7	20.3	18.8	18.3
150°	17.1	16.7	15.8	16.3	18.7	20.5	22.1	21.7	20.3	19.0	18.3
151°	17.4	16.9	16.1	16.5	18.8	20.7	22.1	21.8	20.5	19.1	18.5
152°	17.6	17.1	16.4	16.8	19.0	20.8	22.1	21.8	20.6	19.3	18.8
153°	17.7	17.3	16.6	16.9	19.1	20.9	22.1	21.8	20.6	19.5	18.9
154°	18.0	17.4	16.8	17.1	19.3	21.1	22.0	21.7	20.8	19.6	19.0
155°	18.1	17.7	17.0	17.3	19.4	21.1	21.9	21.7	20.8	19.7	19.2
156°	18.2	17.7	17.2	17.6	19.5	21.1	21.8	21.7	20.9	19.8	19.4
157°	18.3	17.8	17.3	17.7	19.7	21.2	21.8	21.7	20.8	19.9	19.5
158°	18.5	18.0	17.5	17.9	19.7	21.3	21.7	21.7	20.9	20.0	19.6
159°	18.6	18.2	17.7	18.0	19.9	21.3	21.7	21.6	20.9	20.1	19.7
160°	18.6	18.3	17.9	18.3	20.0	21.3	21.6	21.6	20.9	20.2	19.7
161°	18.8	18.4	18.1	18.5	20.2	21.5	21.5	21.6	21.0	20.3	19.9
162°	19.0	18.6	18.3	18.9	20.3	21.5	21.5	21.5	21.0	20.4	20.1
163°	19.0	18.8	18.5	19.0	20.4	21.6	21.3	21.5	21.0	20.6	20.1
164°	19.2	18.8	18.6	19.1	20.5	21.6	21.3	21.4	21.1	20.6	20.1
165°	19.2	18.9	18.8	19.2	20.6	21.6	21.2	21.4	21.1	20.6	20.3
166°	19.4	19.1	18.9	19.4	20.7	21.6	21.2	21.4	21.1	20.7	20.4
167°	19.4	19.2	19.1	19.6	20.7	21.7	21.1	21.4	21.1	20.8	20.5
168°	19.6	19.4	19.3	19.8	20.8	21.7	21.1	21.3	21.2	20.9	20.6
169°	19.7	19.4	19.5	19.9	20.8	21.6	21.2	21.3	21.2	20.9	20.6
170°	19.8	19.6	19.6	20.0	20.9	21.7	21.2	21.2	21.3	21.0	20.8
171°	19.9	19.7	19.8	20.2	21.1	21.8	21.1	21.2	21.3	21.1	20.8
172°	20.2	19.8	19.9	20.3	21.1	21.6	21.2	21.2	21.1	21.1	20.8
173°	20.1	20.0	20.1	20.5	21.2	21.6	21.2	21.2	21.1	21.2	21.0
174°	20.3	20.1	20.1	20.6	21.3	21.6	21.3	21.2	21.1	21.2	21.1
175°	20.5	20.2	20.4	20.8	21.3	21.7	21.3	21.2	21.1	21.3	21.1
176°	20.7	20.3	20.5	20.9	21.3	21.6	21.2	21.1	21.1	21.3	21.2
177°	20.7	20.6	20.6	20.9	21.3	21.6	21.2	21.1	21.1	21.2	21.3
178°	21.0	20.6	20.7	21.0	21.3	21.6	21.2	21.0	21.0	21.3	21.3
179°	20.9	20.7	20.8	21.2	21.4	21.5	21.1	21.0	21.0	21.2	21.4



REPORT NUMBER: P1449836  
CATALOG NUMBER: TWC100\_T3\_80W\_3000K

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1



REPORT NUMBER: P1449836  
CATALOG NUMBER: TWC100\_T3\_80W\_3000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
0°	2001.7	2001.7
1°	2010.0	2011.6
2°	2018.1	2021.0
3°	2026.0	2031.3
4°	2033.5	2039.5
5°	2039.1	2049.5
6°	2046.3	2059.2
7°	2052.8	2068.0
8°	2063.7	2082.7
9°	2070.9	2092.9
10°	2077.4	2103.1
11°	2084.7	2111.1
12°	2088.1	2121.2
13°	2094.2	2131.8
14°	2101.0	2142.9
15°	2111.5	2157.7
16°	2118.4	2168.8
17°	2125.0	2181.5
18°	2132.0	2193.7
19°	2137.5	2205.2
20°	2144.0	2215.4
21°	2149.0	2225.6
22°	2153.1	2234.4
23°	2157.5	2244.8
24°	2161.9	2254.8
25°	2166.4	2269.2
26°	2174.7	2279.9
27°	2179.1	2289.3
28°	2183.2	2299.9
29°	2186.2	2308.0
30°	2186.9	2317.8
31°	2191.1	2327.3
32°	2194.7	2338.7
33°	2202.9	2345.6
34°	2206.5	2351.9
35°	2209.6	2356.4
36°	2211.7	2359.2
37°	2211.3	2360.8
38°	2211.7	2359.7
39°	2209.6	2356.1
40°	2205.1	2350.0
41°	2196.0	2337.5
42°	2188.6	2326.1
43°	2176.9	2313.2
44°	2164.7	2299.6



REPORT NUMBER: P1449836  
CATALOG NUMBER: TWC100\_T3\_80W\_3000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
45°	2151.3	2279.8
46°	2134.8	2239.8
47°	2114.5	2205.9
48°	2079.2	2170.8
49°	2031.9	2132.5
50°	1999.5	2088.6
51°	1962.2	2035.0
52°	1915.9	1980.7
53°	1860.6	1923.8
54°	1803.1	1865.6
55°	1741.0	1801.3
56°	1675.1	1743.8
57°	1601.7	1683.9
58°	1533.9	1620.2
59°	1466.2	1542.9
60°	1389.3	1468.7
61°	1320.9	1387.6
62°	1253.2	1297.6
63°	1185.1	1205.6
64°	1107.7	1119.1
65°	1021.2	1053.5
66°	933.8	988.1
67°	866.4	889.2
68°	779.5	778.1
69°	666.8	720.9
70°	601.6	686.7
71°	570.4	654.7
72°	542.2	620.8
73°	515.4	584.1
74°	488.1	540.7
75°	459.2	497.7
76°	421.6	454.8
77°	389.5	409.8
78°	362.3	368.3
79°	336.5	325.7
80°	306.5	283.9
81°	275.9	238.3
82°	232.8	197.0
83°	193.7	155.9
84°	164.8	119.5
85°	126.2	81.5
86°	95.6	57.8
87°	54.2	34.4
88°	4.1	12.1
89°	2.7	1.5



REPORT NUMBER: P1449836  
CATALOG NUMBER: TWC100\_T3\_80W\_3000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
90°	2.9	1.0
91°	3.0	1.0
92°	3.3	1.2
93°	3.5	1.3
94°	3.8	1.3
95°	4.1	1.5
96°	4.4	1.6
97°	4.7	1.9
98°	5.0	2.0
99°	5.3	2.1
100°	5.7	2.4
101°	6.0	2.7
102°	6.4	2.9
103°	6.7	3.1
104°	7.0	3.3
105°	7.4	3.6
106°	7.8	3.9
107°	8.2	4.2
108°	8.5	4.4
109°	8.7	4.8
110°	9.2	5.0
111°	9.5	5.4
112°	10.0	5.7
113°	10.3	6.0
114°	10.6	6.4
115°	11.0	6.8
116°	11.3	7.1
117°	11.8	7.6
118°	12.1	7.9
119°	12.4	8.2
120°	12.8	8.7
121°	13.1	9.0
122°	13.5	9.4
123°	13.6	9.8
124°	14.0	10.1
125°	14.2	10.5
126°	14.5	10.8
127°	14.7	11.2
128°	14.9	11.5
129°	15.1	12.0
130°	15.4	12.2
131°	15.6	12.5
132°	15.7	12.9
133°	15.9	13.2
134°	16.2	13.4



REPORT NUMBER: P1449836  
CATALOG NUMBER: TWC100\_T3\_80W\_3000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
135°	16.5	13.6
136°	16.6	13.9
137°	16.7	14.2
138°	16.9	14.5
139°	17.1	14.7
140°	17.2	15.0
141°	17.4	15.2
142°	17.6	15.5
143°	17.8	15.5
144°	17.8	15.9
145°	17.9	16.1
146°	18.1	16.3
147°	18.1	16.4
148°	18.5	16.7
149°	18.6	17.0
150°	18.6	17.1
151°	18.7	17.4
152°	18.9	17.6
153°	18.9	17.7
154°	19.0	18.0
155°	19.1	18.1
156°	19.2	18.2
157°	19.3	18.3
158°	19.3	18.5
159°	19.5	18.6
160°	19.6	18.6
161°	19.7	18.8
162°	19.7	19.0
163°	19.8	19.0
164°	19.9	19.2
165°	19.9	19.2
166°	20.1	19.4
167°	20.2	19.4
168°	20.3	19.6
169°	20.3	19.7
170°	20.5	19.8
171°	20.7	19.9
172°	20.7	20.2
173°	20.8	20.1
174°	20.9	20.3
175°	21.1	20.5
176°	21.1	20.7
177°	21.2	20.7
178°	21.3	21.0
179°	21.4	20.9

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P1449836  
CATALOG NUMBER: TWC100\_T3\_80W\_3000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
180°	21.1	21.1

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Lumark

Report Number: SP1-2601-659-1

Test Date: 02/12/2026

Luminaire Tested: MWP2460W34VDDKYYAD-T4-24W-3000K

Data in this report applies to families of products including ;MWP2460W34VDDKYYAD

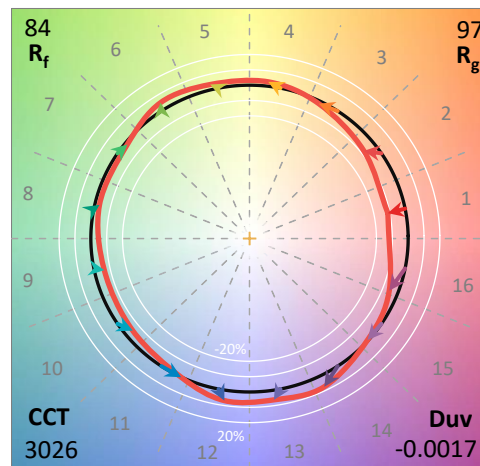
**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2601-659-1  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry: 4π  
 Issue Date: 02/16/2026  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: Lumark  
 Catalog Number: **MWP2460W34VDDKYYAD-T4-24W-3000K**  
 Description: Mester Wedge, at T4 beam setting, 24W output, 3000K

**Spectral Parameters**

CCT (K): 3026  
 CIE u': 0.2503  
 CIE v': 0.5184  
 Duv: -0.0017  
 CIE x: 0.4326  
 CIE y: 0.3983  
 CIE z: 0.1691  
 Peak Wavelength (nm): 604  
 Dominant Wavelength (nm): 583  
 Purity: 49.3886  
 Rf: 84  
 Rg: 97.4

CRI (Ra):	82.7		
R1:	81.4	R9:	7.5
R2:	90.7	R10:	78.8
R3:	96.3	R11:	80.8
R4:	81.1	R12:	70.7
R5:	81.6	R13:	83.7
R6:	88.6	R14:	98.6
R7:	82.6	R15:	74.2
R8:	59.3		



**Test Conditions**

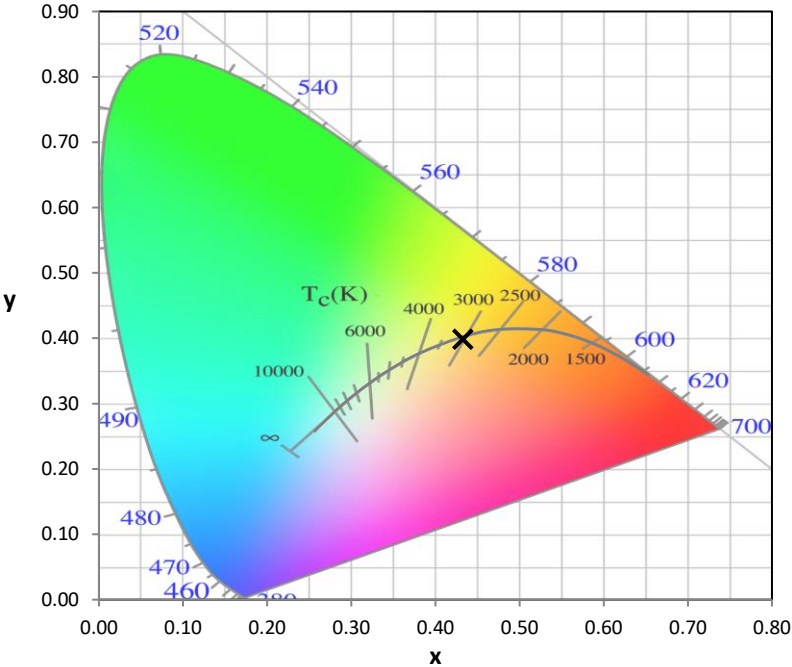
Stabilization Time: 64M  
 Operation Time: 2H 4M  
 Sphere Temperature (°C): 24.8

REPORT NUMBER: SP1-2601-659-1

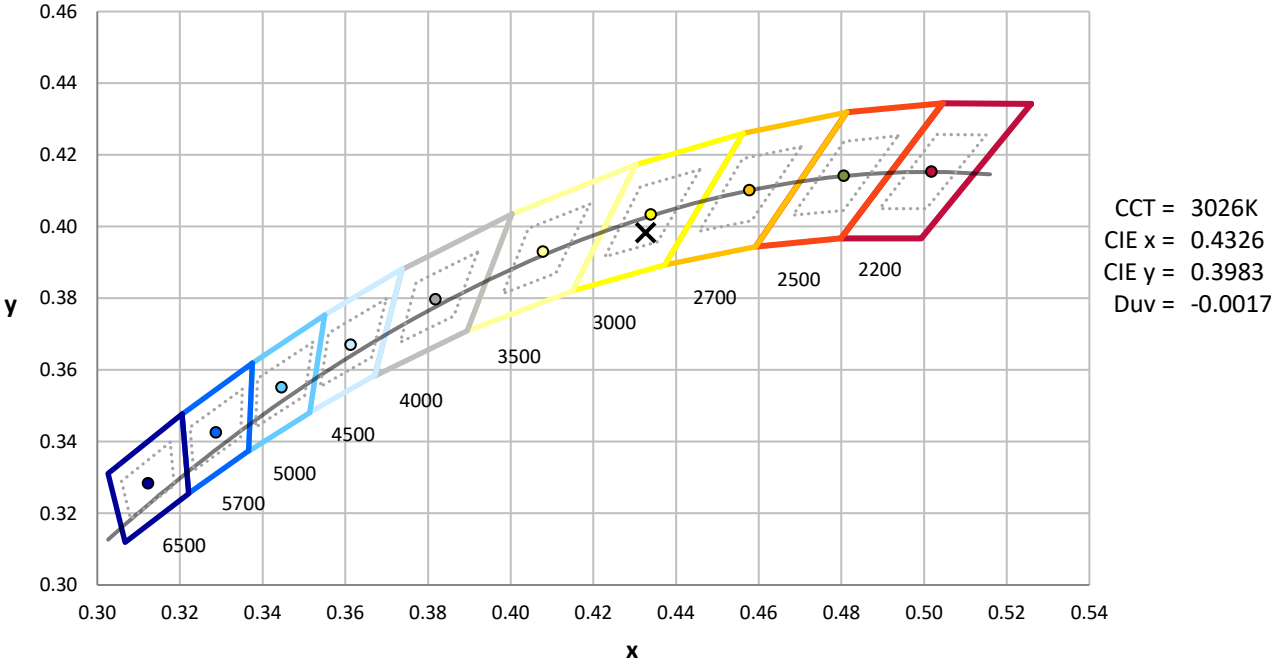
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	10/21/2025	10/21/2026
Sphere Thermometer	ONSET IN0085	10/21/2025	10/21/2026
Room Thermometer	ONSET IN0046	10/21/2025	10/21/2026

REPORT NUMBER: SP1-2601-659-1

CIE 1931 Chromaticity Diagram



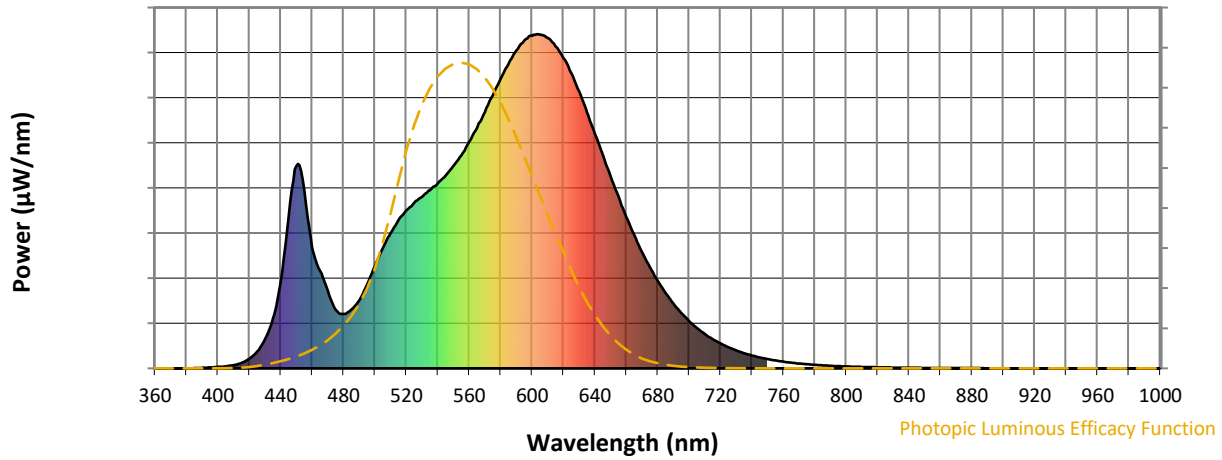
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2601-659-1

**Photopic Flux vs. Wavelength**

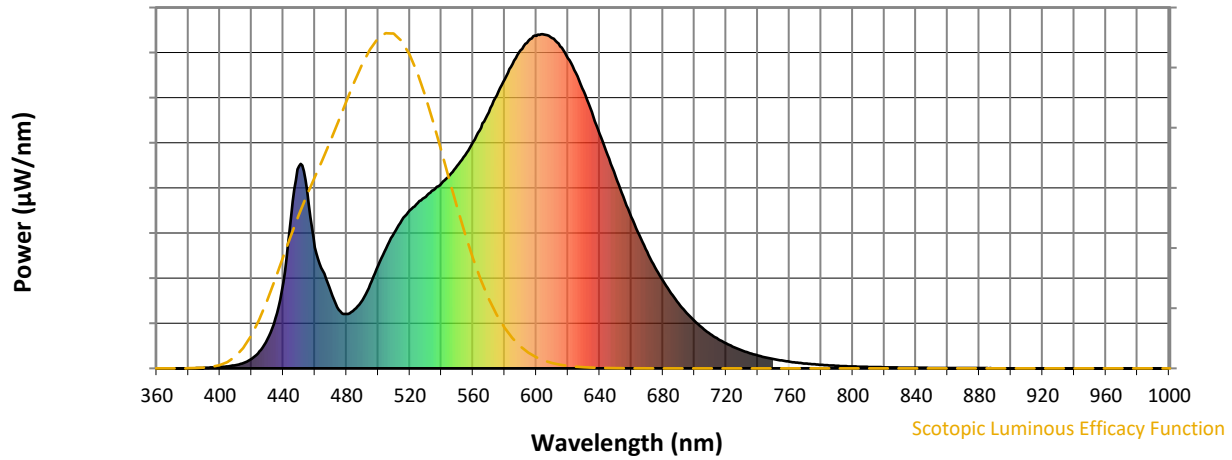


**Photopic Lumens: NR**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)
360	0	NR	490	204	NR	620	928	NR	750	28	NR	880	1	NR
365	0	NR	495	251	NR	625	884	NR	755	24	NR	885	1	NR
370	0	NR	500	307	NR	630	828	NR	760	20	NR	890	0	NR
375	0	NR	505	360	NR	635	767	NR	765	17	NR	895	0	NR
380	0	NR	510	405	NR	640	702	NR	770	14	NR	900	0	NR
385	1	NR	515	444	NR	645	639	NR	775	12	NR	905	0	NR
390	2	NR	520	473	NR	650	574	NR	780	11	NR	910	0	NR
395	3	NR	525	495	NR	655	514	NR	785	9	NR	915	0	NR
400	5	NR	530	513	NR	660	453	NR	790	8	NR	920	0	NR
405	6	NR	535	534	NR	665	399	NR	795	7	NR	925	0	NR
410	10	NR	540	554	NR	670	348	NR	800	6	NR	930	0	NR
415	17	NR	545	577	NR	675	303	NR	805	5	NR	935	0	NR
420	29	NR	550	606	NR	680	263	NR	810	4	NR	940	0	NR
425	51	NR	555	638	NR	685	226	NR	815	4	NR	945	0	NR
430	87	NR	560	678	NR	690	194	NR	820	3	NR	950	0	NR
435	150	NR	565	720	NR	695	166	NR	825	3	NR	955	0	NR
440	258	NR	570	767	NR	700	142	NR	830	2	NR	960	0	NR
445	454	NR	575	817	NR	705	121	NR	835	2	NR	965	0	NR
450	605	NR	580	866	NR	710	103	NR	840	2	NR	970	0	NR
455	533	NR	585	911	NR	715	87	NR	845	2	NR	975	0	NR
460	362	NR	590	952	NR	720	74	NR	850	1	NR	980	0	NR
465	293	NR	595	981	NR	725	63	NR	855	1	NR	985	0	NR
470	231	NR	600	995	NR	730	54	NR	860	1	NR	990	0	NR
475	176	NR	605	999	NR	735	46	NR	865	1	NR	995	0	NR
480	163	NR	610	989	NR	740	38	NR	870	1	NR	1000	0	NR
485	176	NR	615	964	NR	745	33	NR	875	1	NR			

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**Scotopic Flux vs. Wavelength**



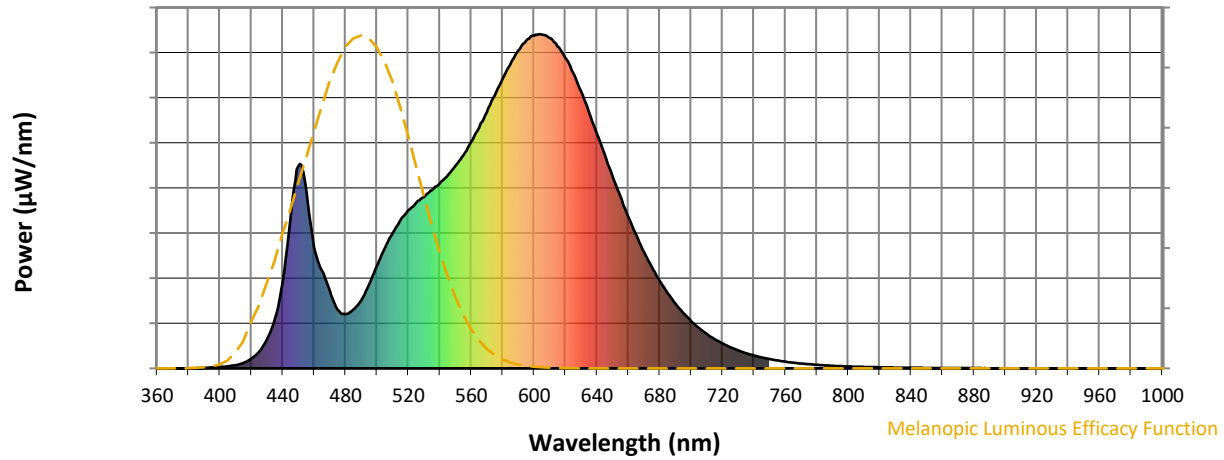
**Scotopic Lumens: NR**

**S/P: 1.35**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)
360	0	NR	490	204	NR	620	928	NR	750	28	NR	880	1	NR
365	0	NR	495	251	NR	625	884	NR	755	24	NR	885	1	NR
370	0	NR	500	307	NR	630	828	NR	760	20	NR	890	0	NR
375	0	NR	505	360	NR	635	767	NR	765	17	NR	895	0	NR
380	0	NR	510	405	NR	640	702	NR	770	14	NR	900	0	NR
385	1	NR	515	444	NR	645	639	NR	775	12	NR	905	0	NR
390	2	NR	520	473	NR	650	574	NR	780	11	NR	910	0	NR
395	3	NR	525	495	NR	655	514	NR	785	9	NR	915	0	NR
400	5	NR	530	513	NR	660	453	NR	790	8	NR	920	0	NR
405	6	NR	535	534	NR	665	399	NR	795	7	NR	925	0	NR
410	10	NR	540	554	NR	670	348	NR	800	6	NR	930	0	NR
415	17	NR	545	577	NR	675	303	NR	805	5	NR	935	0	NR
420	29	NR	550	606	NR	680	263	NR	810	4	NR	940	0	NR
425	51	NR	555	638	NR	685	226	NR	815	4	NR	945	0	NR
430	87	NR	560	678	NR	690	194	NR	820	3	NR	950	0	NR
435	150	NR	565	720	NR	695	166	NR	825	3	NR	955	0	NR
440	258	NR	570	767	NR	700	142	NR	830	2	NR	960	0	NR
445	454	NR	575	817	NR	705	121	NR	835	2	NR	965	0	NR
450	605	NR	580	866	NR	710	103	NR	840	2	NR	970	0	NR
455	533	NR	585	911	NR	715	87	NR	845	2	NR	975	0	NR
460	362	NR	590	952	NR	720	74	NR	850	1	NR	980	0	NR
465	293	NR	595	981	NR	725	63	NR	855	1	NR	985	0	NR
470	231	NR	600	995	NR	730	54	NR	860	1	NR	990	0	NR
475	176	NR	605	999	NR	735	46	NR	865	1	NR	995	0	NR
480	163	NR	610	989	NR	740	38	NR	870	1	NR	1000	0	NR
485	176	NR	615	964	NR	745	33	NR	875	1	NR			

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**Melanopic Flux vs. Wavelength**



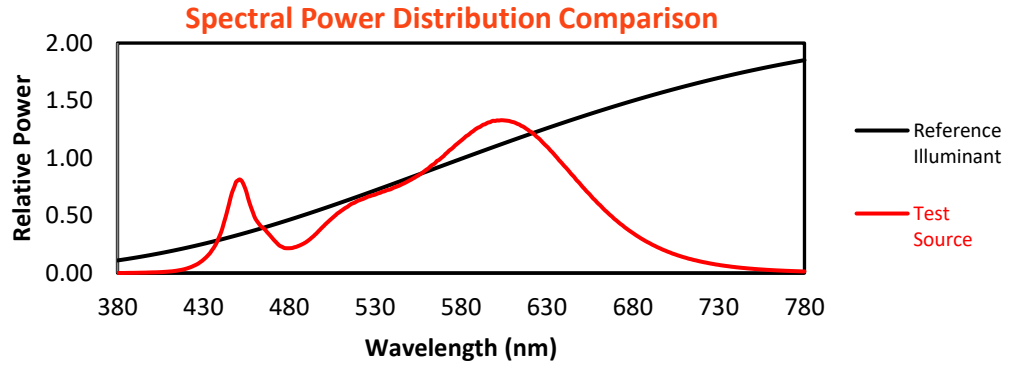
**Melanopic Lumens: NR**

**M/P: 2.61**

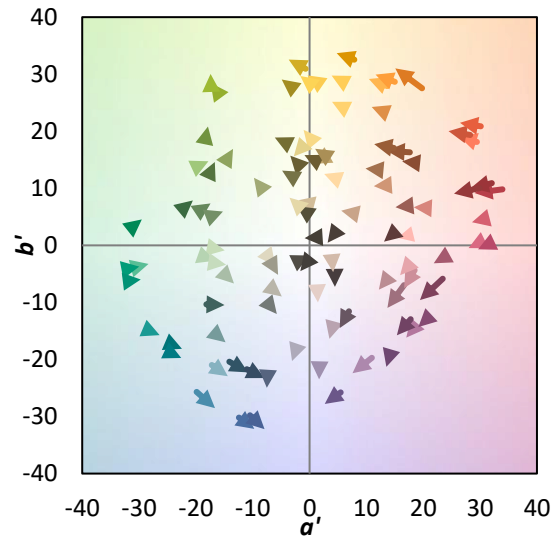
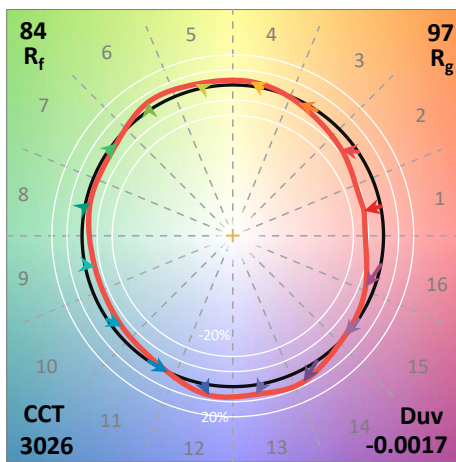
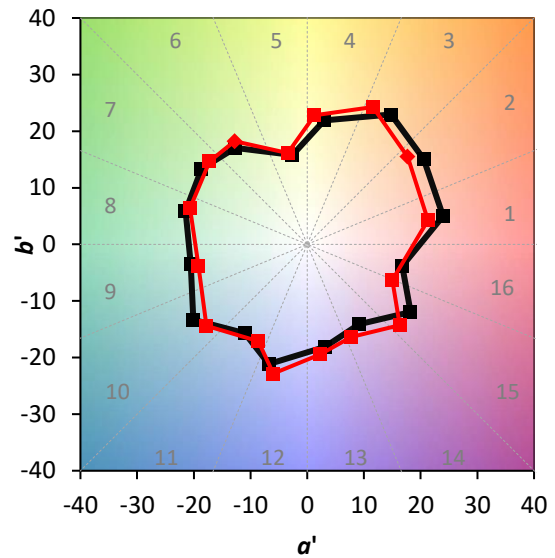
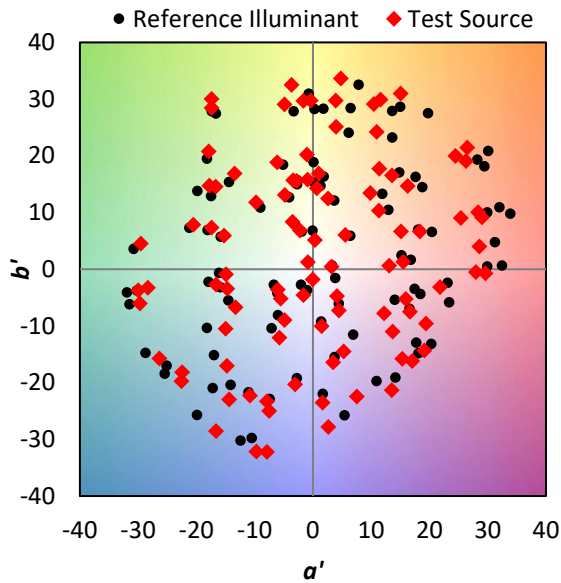
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	204	NR	620	928	NR	750	28	NR	880	1	NR
365	0	NR	495	251	NR	625	884	NR	755	24	NR	885	1	NR
370	0	NR	500	307	NR	630	828	NR	760	20	NR	890	0	NR
375	0	NR	505	360	NR	635	767	NR	765	17	NR	895	0	NR
380	0	NR	510	405	NR	640	702	NR	770	14	NR	900	0	NR
385	1	NR	515	444	NR	645	639	NR	775	12	NR	905	0	NR
390	2	NR	520	473	NR	650	574	NR	780	11	NR	910	0	NR
395	3	NR	525	495	NR	655	514	NR	785	9	NR	915	0	NR
400	5	NR	530	513	NR	660	453	NR	790	8	NR	920	0	NR
405	6	NR	535	534	NR	665	399	NR	795	7	NR	925	0	NR
410	10	NR	540	554	NR	670	348	NR	800	6	NR	930	0	NR
415	17	NR	545	577	NR	675	303	NR	805	5	NR	935	0	NR
420	29	NR	550	606	NR	680	263	NR	810	4	NR	940	0	NR
425	51	NR	555	638	NR	685	226	NR	815	4	NR	945	0	NR
430	87	NR	560	678	NR	690	194	NR	820	3	NR	950	0	NR
435	150	NR	565	720	NR	695	166	NR	825	3	NR	955	0	NR
440	258	NR	570	767	NR	700	142	NR	830	2	NR	960	0	NR
445	454	NR	575	817	NR	705	121	NR	835	2	NR	965	0	NR
450	605	NR	580	866	NR	710	103	NR	840	2	NR	970	0	NR
455	533	NR	585	911	NR	715	87	NR	845	2	NR	975	0	NR
460	362	NR	590	952	NR	720	74	NR	850	1	NR	980	0	NR
465	293	NR	595	981	NR	725	63	NR	855	1	NR	985	0	NR
470	231	NR	600	995	NR	730	54	NR	860	1	NR	990	0	NR
475	176	NR	605	999	NR	735	46	NR	865	1	NR	995	0	NR
480	163	NR	610	989	NR	740	38	NR	870	1	NR	1000	0	NR
485	176	NR	615	964	NR	745	33	NR	875	1	NR			

**Summary**

$R_f = 84$   
 $R_g = 97.4$   
 $CIE R_a = 82.7$   
 $R_9 = 7.5$

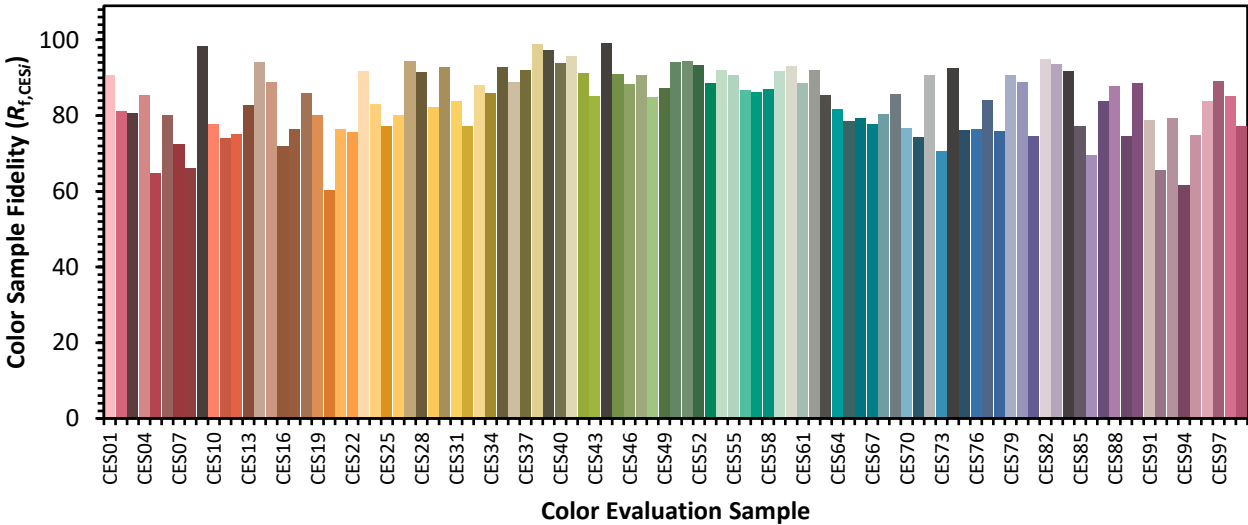


**Color Vector Graphics**

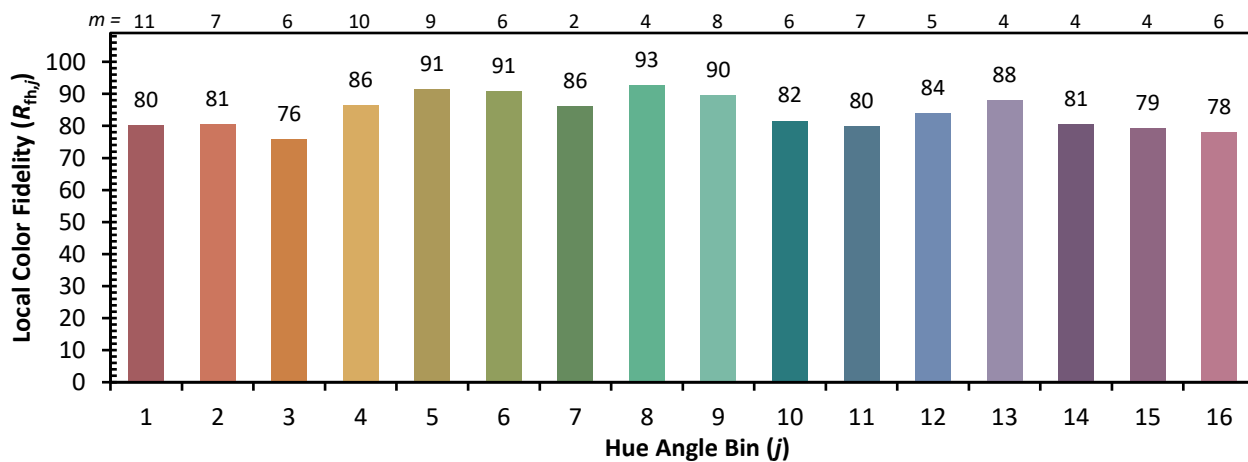
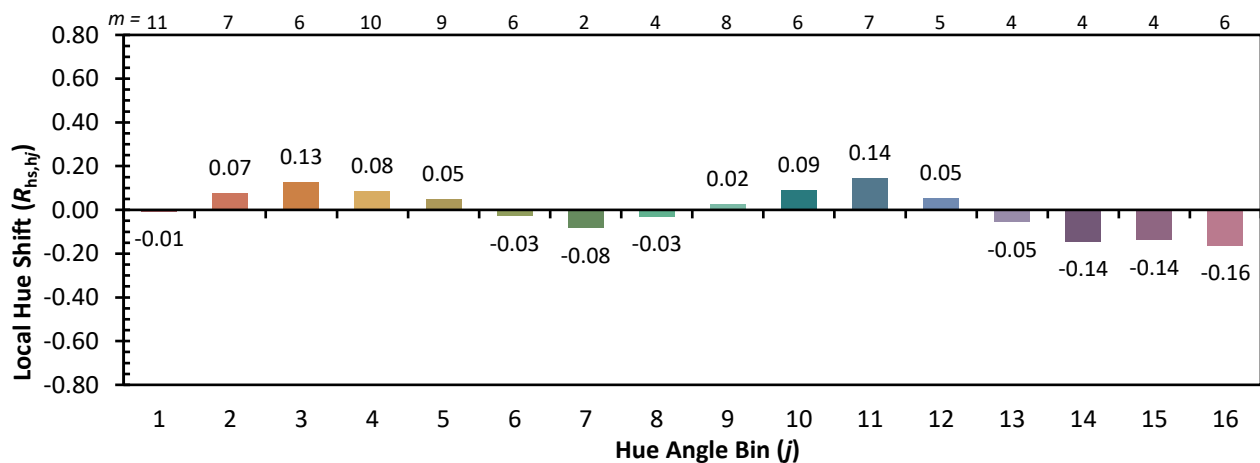
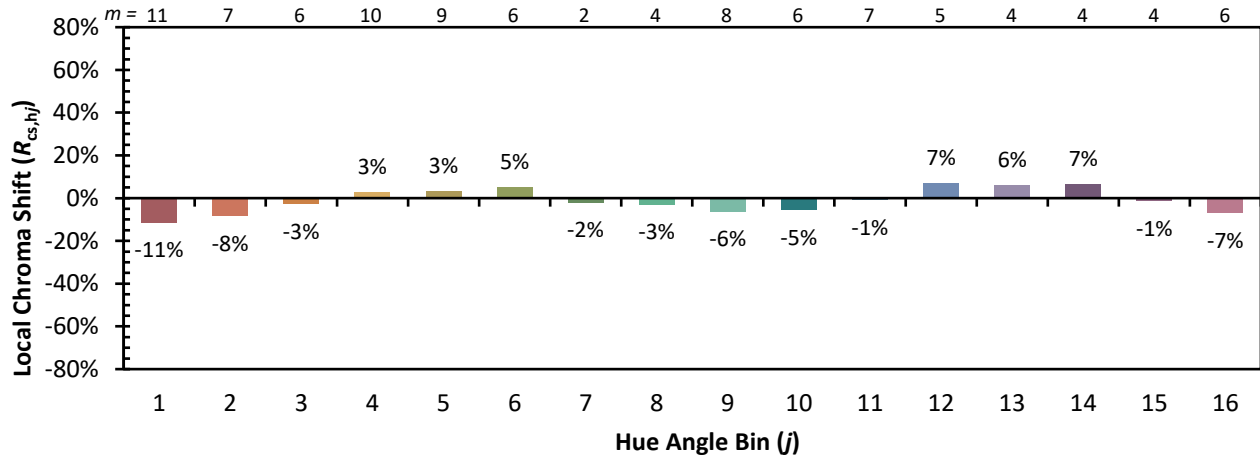


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

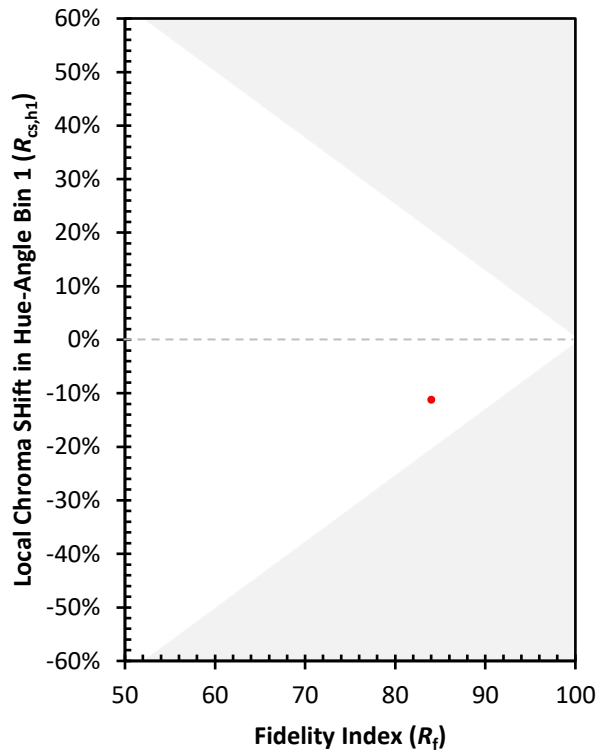
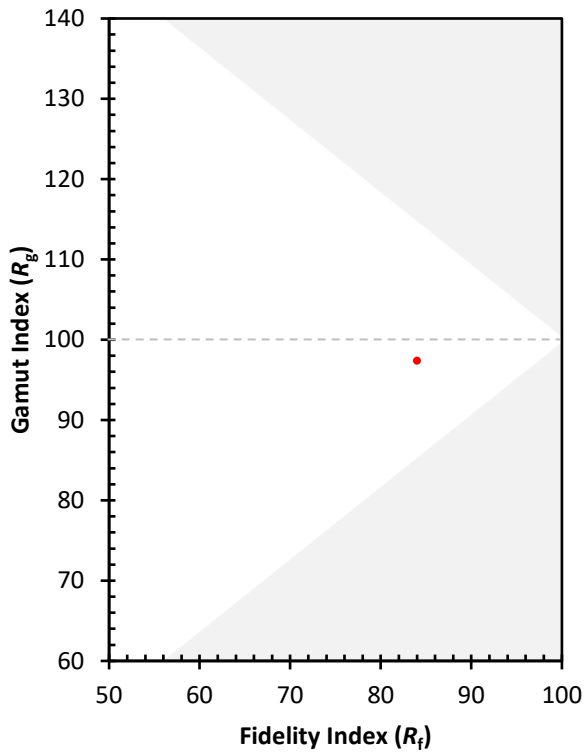
CES01 = 86	CES26 = 80	CES51 = 94	CES76 = 76
CES02 = 63	CES27 = 94	CES52 = 93	CES77 = 84
CES03 = 31	CES28 = 92	CES53 = 88	CES78 = 76
CES04 = 70	CES29 = 82	CES54 = 92	CES79 = 91
CES05 = 50	CES30 = 93	CES55 = 91	CES80 = 89
CES06 = 51	CES31 = 84	CES56 = 87	CES81 = 75
CES07 = 42	CES32 = 77	CES57 = 86	CES82 = 95
CES08 = 41	CES33 = 88	CES58 = 87	CES83 = 93
CES09 = 29	CES34 = 86	CES59 = 92	CES84 = 92
CES10 = 76	CES35 = 93	CES60 = 93	CES85 = 77
CES11 = 59	CES36 = 89	CES61 = 89	CES86 = 69
CES12 = 65	CES37 = 92	CES62 = 92	CES87 = 84
CES13 = 43	CES38 = 99	CES63 = 85	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 82	CES89 = 75
CES15 = 72	CES40 = 94	CES65 = 79	CES90 = 89
CES16 = 48	CES41 = 96	CES66 = 79	CES91 = 79
CES17 = 50	CES42 = 91	CES67 = 78	CES92 = 66
CES18 = 57	CES43 = 85	CES68 = 80	CES93 = 79
CES19 = 72	CES44 = 99	CES69 = 86	CES94 = 62
CES20 = 67	CES45 = 91	CES70 = 77	CES95 = 75
CES21 = 87	CES46 = 88	CES71 = 74	CES96 = 84
CES22 = 79	CES47 = 91	CES72 = 91	CES97 = 89
CES23 = 92	CES48 = 85	CES73 = 71	CES98 = 85
CES24 = 91	CES49 = 87	CES74 = 93	CES99 = 77
CES25 = 72	CES50 = 94	CES75 = 76	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)