

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: P1449824

Luminaire Tested: **TWC100_T2_80W_3000K**

Issue Date: 5/19/2026

Test Information

Test Method: LM-79-08
Report Number: P1449824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (20260310022)
Test Lab: INNOVATION CENTER
Issue Date: 5/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: TWC100_T2_80W_3000K
Description: Tapered Wall Cutoff Wall Mount Luminaire at, T2 distribution, 80W
3000K settings
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6608 lumens
Efficiency: N/A
Efficacy: 168.6 lumens/watt
Luminous Opening: Rectangular (W 0.92' x L: 0.42' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

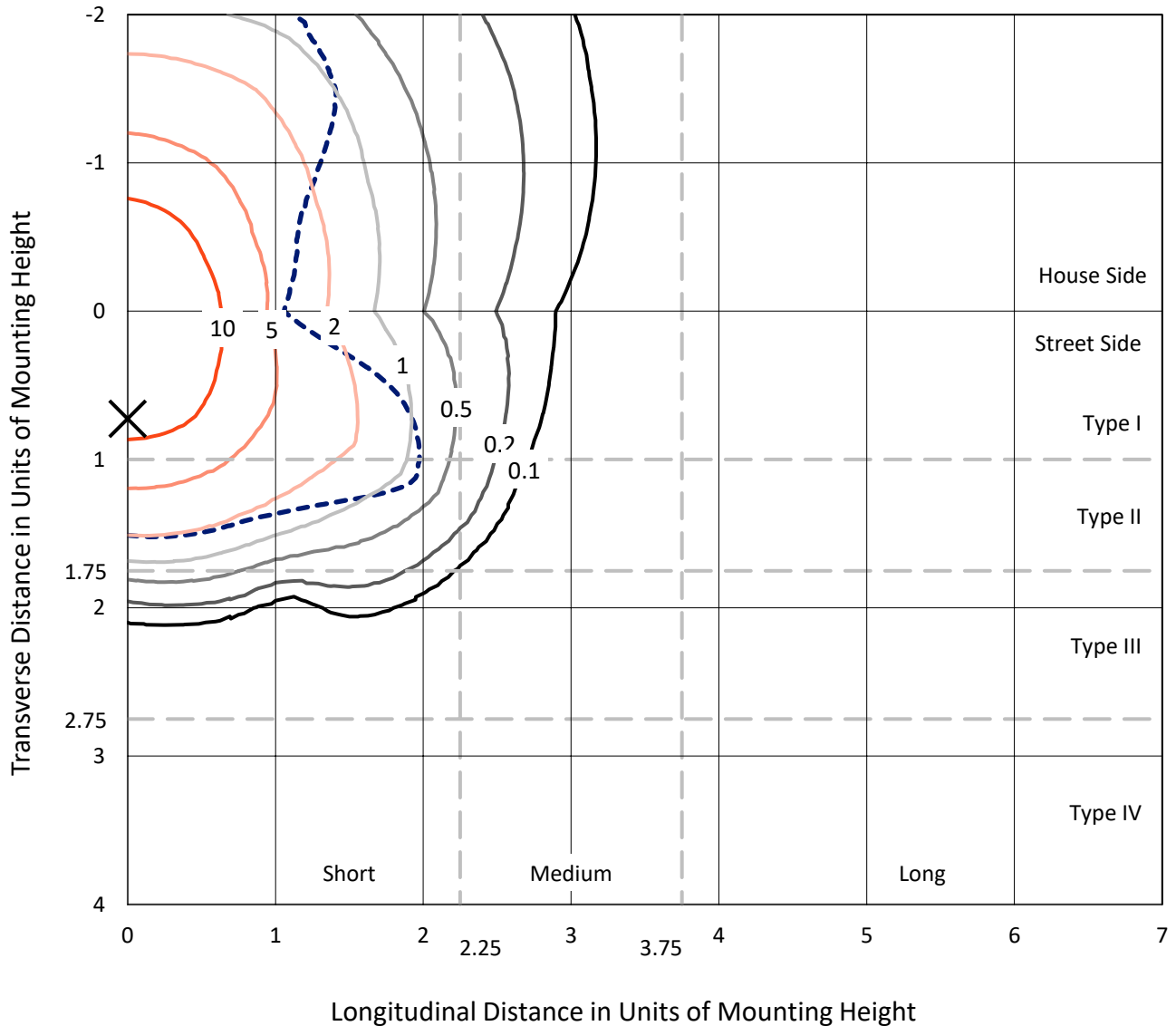
Input Watts (W): 39.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

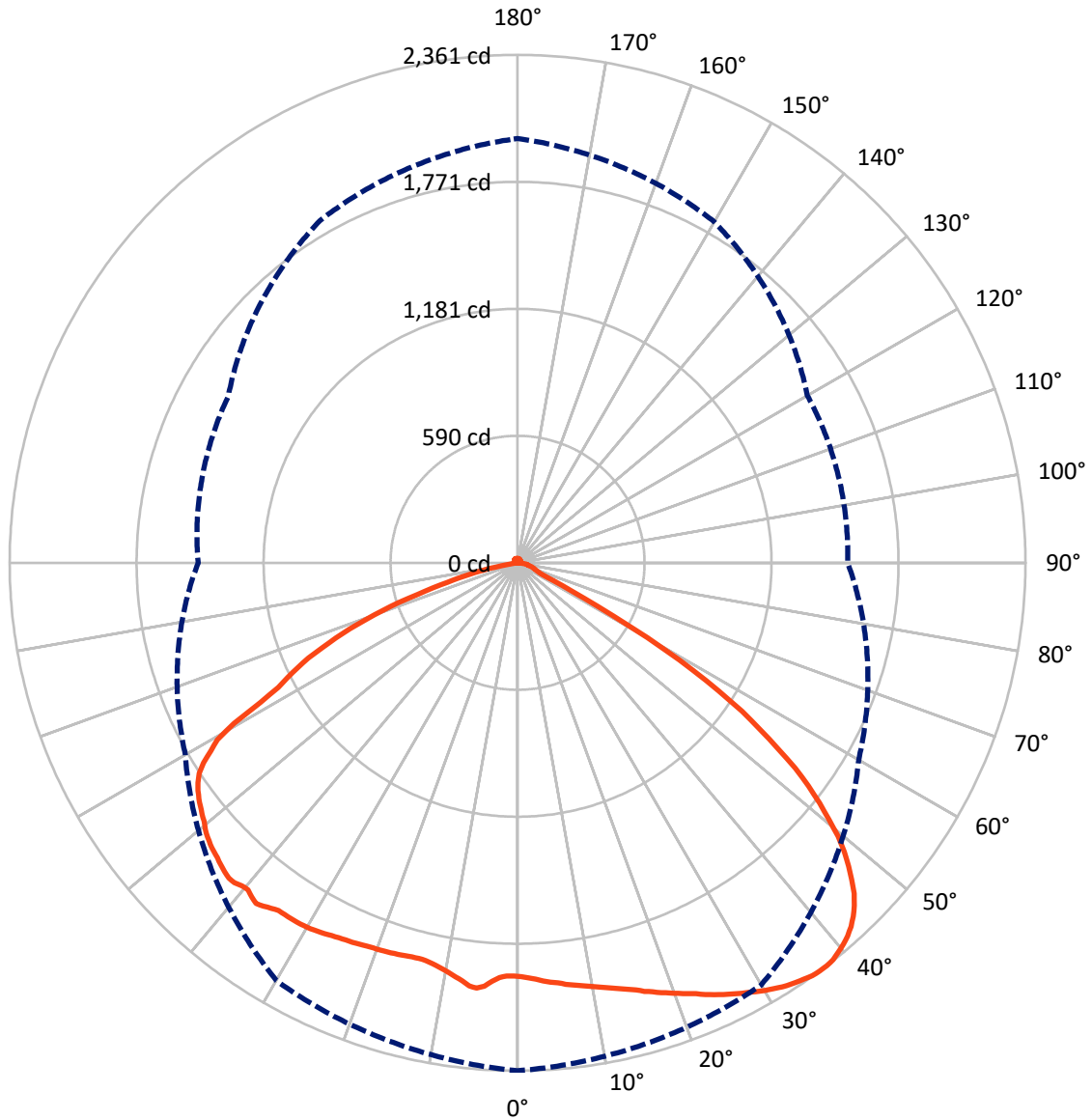
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 36-Deg Vertical

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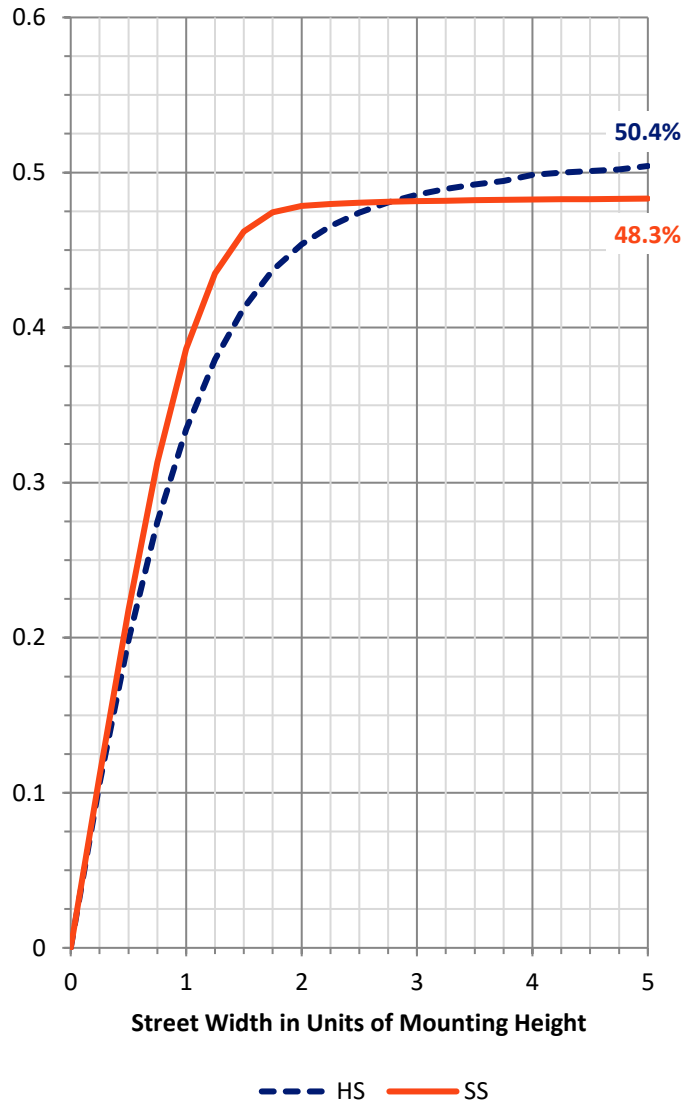
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3344.9	35.6	3380.5
	% Fixture	50.6	0.5	51.2
Street Side	Lumens	3191.9	35.6	3227.5
	% Fixture	48.3	0.5	48.8
Total	Lumens	6536.7	71.3	6608.0
	% Fixture	98.9	1.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.3	2.8
10°-20°	545.2	8.3
20°-30°	880.3	13.3
30°-40°	1166.8	17.7
40°-50°	1335.9	20.2
50°-60°	1266.7	19.2
60°-70°	792.9	12.0
70°-80°	302.1	4.6
80°-90°	61.5	0.9
90°-100°	3.1	0.0
100°-110°	6.2	0.1
110°-120°	9.7	0.1
120°-130°	11.9	0.2
130°-140°	12.5	0.2
140°-150°	11.4	0.2
150°-160°	8.9	0.1
160°-170°	5.6	0.1
170°-180°	1.9	0.0
0°-90°	6536.7	98.9
0°-180°	6608.0	100.0

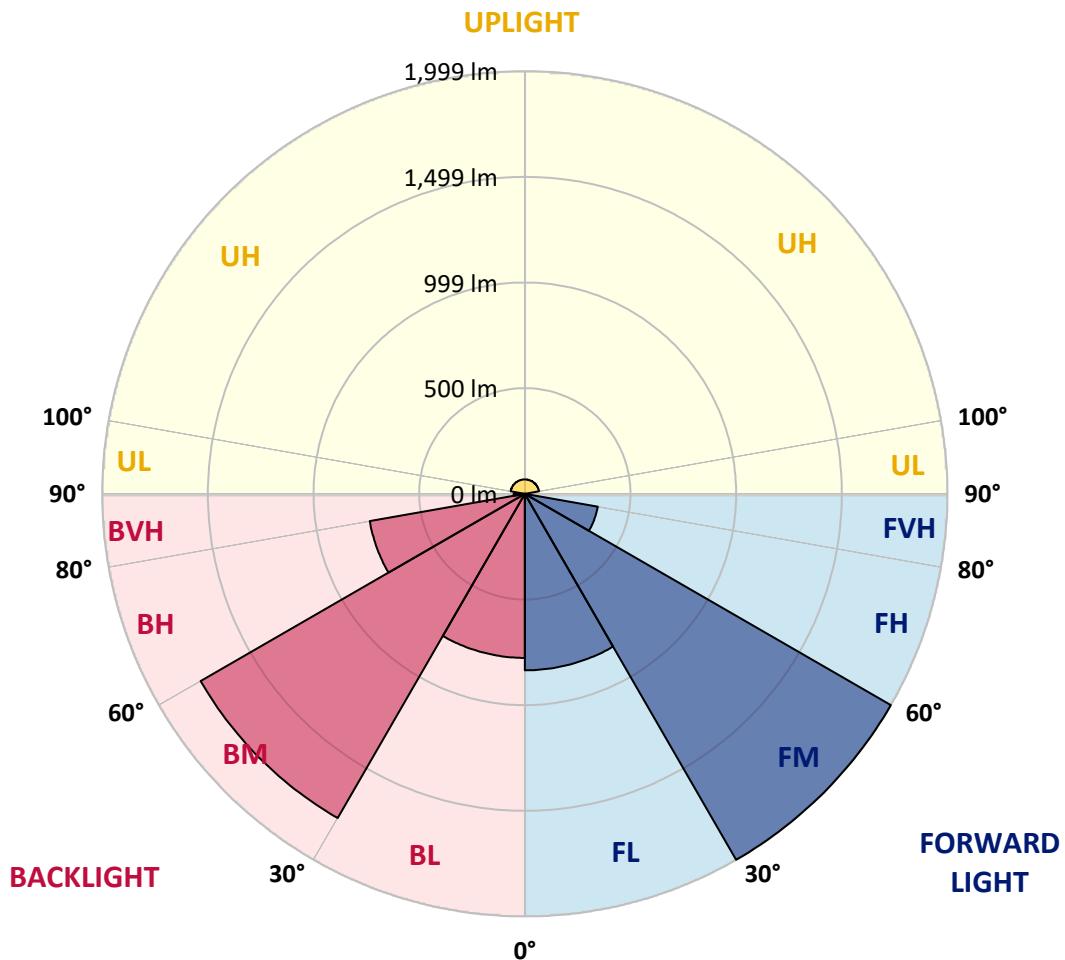


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	834.8	12.6			
FM (30°-60°)	1998.7	30.2			
FH (60°-80°)	350.2	5.3			G0/660
FVH (80°-90°)	8.2	0.1			G0/10
BL (0°-30°)	776.1	11.7	B2/1000		
BM (30°-60°)	1770.7	26.8	B2/2500		
BH (60°-80°)	744.9	11.3	B2/1000		G2/1000
BVH (80°-90°)	53.3	0.8			G1/100
UL (90°-100°)	3.1	0.0		U1/10	
UH (100°-180°)	68.2	1.0		U3/500	

BUG Rating: B2-U3-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3	1923.3
1°	1930.3	1929.4	1928.0	1922.7	1920.9	1918.0	1920.6	1919.0	1917.7	1921.6	1925.5
2°	1937.5	1936.1	1930.7	1924.7	1918.3	1912.9	1921.2	1916.2	1914.6	1919.5	1928.8
3°	1947.3	1943.7	1934.9	1923.8	1914.4	1912.0	1929.1	1920.3	1911.8	1918.7	1931.8
4°	1955.1	1950.8	1938.4	1921.8	1911.6	1915.7	1948.3	1930.3	1911.7	1915.8	1933.3
5°	1961.6	1956.4	1939.6	1919.3	1910.2	1926.1	1973.9	1953.6	1911.8	1911.6	1936.9
6°	1971.6	1961.3	1940.4	1912.0	1909.4	1949.5	1986.0	1973.3	1914.0	1906.7	1937.4
7°	1979.1	1967.1	1941.2	1908.4	1911.2	1969.4	1979.2	1981.1	1918.7	1901.6	1936.8
8°	1987.2	1972.7	1941.4	1904.0	1915.7	1977.2	1960.4	1974.3	1928.8	1896.2	1935.9
9°	1995.2	1980.7	1940.7	1900.0	1923.1	1967.5	1946.2	1952.1	1940.1	1890.2	1931.6
10°	2004.1	1986.3	1939.4	1894.1	1937.0	1949.0	1931.7	1937.0	1947.2	1880.2	1929.9
11°	2013.7	1992.4	1938.5	1887.0	1944.2	1933.4	1919.9	1922.1	1946.5	1872.1	1927.4
12°	2025.4	1999.6	1936.9	1878.4	1945.5	1918.9	1908.5	1909.7	1940.2	1864.3	1925.0
13°	2036.0	2005.2	1934.8	1870.0	1939.7	1906.0	1900.9	1895.7	1924.6	1855.5	1920.8
14°	2048.0	2012.7	1932.8	1861.9	1926.3	1892.6	1895.4	1883.2	1905.9	1848.1	1917.8
15°	2060.5	2020.9	1928.1	1850.2	1906.1	1880.3	1896.1	1876.1	1888.1	1838.1	1914.4
16°	2077.6	2029.9	1925.3	1840.8	1888.3	1872.0	1897.3	1872.0	1870.1	1827.4	1913.5
17°	2091.0	2042.5	1923.6	1830.4	1870.4	1867.8	1901.5	1869.1	1852.4	1816.6	1910.7
18°	2106.7	2052.0	1924.0	1819.5	1852.2	1864.6	1904.4	1867.0	1831.9	1802.7	1907.6
19°	2121.1	2062.5	1921.3	1810.1	1835.1	1862.5	1907.1	1865.3	1814.1	1791.5	1904.1
20°	2136.7	2074.3	1919.3	1798.6	1816.4	1857.0	1910.0	1861.7	1795.9	1780.6	1897.0
21°	2152.5	2085.5	1913.8	1788.2	1795.8	1854.3	1911.4	1860.2	1778.8	1770.3	1892.5
22°	2168.0	2097.6	1911.0	1776.7	1777.6	1852.9	1914.8	1858.6	1763.6	1760.2	1888.1
23°	2188.7	2109.6	1908.1	1762.7	1763.0	1853.0	1918.5	1857.4	1750.5	1751.2	1886.1
24°	2206.1	2121.4	1904.3	1752.3	1747.9	1852.2	1923.3	1857.9	1737.4	1742.6	1881.5
25°	2222.9	2134.1	1902.7	1743.1	1734.8	1850.6	1926.5	1857.3	1724.5	1736.3	1875.7
26°	2239.6	2146.7	1897.7	1736.5	1720.9	1849.5	1930.4	1856.3	1710.4	1730.3	1869.2
27°	2256.1	2163.3	1893.0	1729.6	1706.7	1846.7	1936.7	1854.1	1695.3	1722.2	1860.7
28°	2271.3	2175.9	1887.0	1722.8	1689.5	1844.5	1943.6	1852.0	1679.8	1706.3	1852.9
29°	2287.6	2188.6	1880.5	1713.5	1674.2	1842.4	1948.4	1849.8	1664.5	1691.8	1845.5
30°	2303.1	2199.8	1874.2	1699.9	1658.1	1840.0	1954.3	1849.6	1645.3	1672.8	1837.5
31°	2317.2	2209.8	1868.7	1683.3	1641.8	1838.0	1957.8	1846.7	1629.5	1646.6	1827.3
32°	2329.6	2221.8	1861.2	1663.8	1622.4	1835.7	1960.2	1846.2	1613.8	1615.5	1819.0
33°	2340.3	2233.5	1854.8	1637.5	1605.3	1834.4	1961.2	1845.1	1599.4	1582.9	1810.4
34°	2348.8	2245.2	1847.3	1600.1	1588.6	1832.9	1960.7	1844.0	1583.9	1553.0	1803.4
35°	2357.6	2257.2	1838.7	1567.4	1572.0	1833.1	1961.2	1842.1	1568.3	1522.7	1793.9
36°	2361.0	2265.5	1831.0	1534.1	1555.5	1829.5	1972.2	1836.8	1552.0	1484.7	1783.4
37°	2360.6	2272.2	1823.1	1500.1	1539.3	1824.3	1985.1	1831.8	1532.4	1451.7	1773.2
38°	2356.5	2276.8	1814.4	1465.9	1522.2	1818.1	1996.1	1831.0	1515.5	1418.2	1758.9
39°	2344.7	2279.4	1806.2	1431.6	1504.9	1814.3	1985.1	1834.9	1496.8	1383.9	1750.5
40°	2332.2	2278.3	1799.8	1397.5	1482.8	1820.1	1969.7	1842.9	1476.5	1348.1	1742.0
41°	2315.5	2274.0	1793.1	1364.0	1464.2	1828.1	1974.4	1836.3	1456.0	1316.7	1734.9
42°	2294.4	2266.1	1788.8	1326.3	1444.1	1822.3	1985.9	1812.9	1436.7	1286.6	1730.6
43°	2266.4	2250.9	1785.5	1294.3	1423.6	1798.7	1987.3	1808.0	1415.3	1255.0	1725.1
44°	2233.3	2233.5	1783.0	1263.8	1400.2	1793.4	1979.6	1812.9	1391.8	1224.3	1720.6



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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	2193.6	2211.5	1782.6	1232.8	1377.1	1798.8	1967.9	1811.5	1367.5	1193.2	1718.0
46°	2141.8	2183.5	1782.9	1200.0	1350.3	1797.8	1956.5	1801.1	1348.1	1160.1	1716.8
47°	2088.3	2150.1	1783.3	1166.7	1328.2	1788.3	1948.0	1790.5	1336.9	1122.2	1715.5
48°	2027.2	2108.7	1785.0	1132.7	1316.3	1777.5	1936.5	1779.9	1323.4	1088.7	1714.3
49°	1958.9	2060.5	1786.5	1098.2	1304.0	1766.6	1923.8	1769.1	1282.0	1055.0	1715.2
50°	1875.2	2005.6	1788.3	1060.7	1269.6	1755.9	1908.8	1754.1	1252.5	1020.8	1713.3
51°	1794.1	1932.9	1790.9	1026.7	1232.5	1741.3	1888.6	1737.7	1235.9	986.3	1713.9
52°	1705.2	1861.1	1792.0	991.5	1216.1	1726.1	1873.7	1721.4	1213.7	950.3	1715.1
53°	1605.0	1781.1	1793.2	952.5	1195.5	1709.3	1858.4	1703.9	1190.5	915.5	1716.2
54°	1485.3	1686.5	1792.7	917.4	1171.5	1691.6	1842.2	1686.7	1165.3	880.2	1718.3
55°	1369.6	1591.3	1791.9	881.8	1144.9	1674.8	1824.8	1671.2	1139.6	843.9	1717.7
56°	1250.5	1483.2	1789.4	846.3	1118.3	1659.5	1802.6	1656.1	1113.5	802.0	1715.3
57°	1107.0	1352.2	1782.5	807.4	1089.7	1642.5	1774.3	1641.2	1081.1	764.7	1710.5
58°	960.1	1224.4	1772.5	770.0	1055.8	1627.5	1731.4	1620.1	1050.3	727.8	1700.1
59°	795.0	1093.8	1753.5	732.7	1023.5	1610.6	1671.9	1599.4	1020.0	686.8	1686.6
60°	598.7	956.9	1729.4	690.7	992.5	1590.3	1619.2	1574.9	991.2	649.6	1666.3
61°	422.7	790.8	1694.7	654.6	958.9	1564.5	1514.0	1537.6	962.0	612.3	1638.0
62°	281.8	624.4	1647.8	618.3	930.6	1530.0	1359.0	1483.5	936.5	574.6	1592.9
63°	185.7	446.4	1573.2	580.9	901.8	1484.5	1254.3	1434.8	910.5	537.8	1533.1
64°	128.4	285.8	1481.7	540.4	873.7	1433.0	1194.3	1329.8	885.3	508.1	1450.1
65°	110.9	163.5	1364.5	508.4	845.3	1314.0	1134.3	1215.3	859.1	470.4	1337.1
66°	103.4	103.1	1219.4	474.7	818.8	1205.8	1069.4	1152.7	834.0	434.6	1177.4
67°	97.4	81.1	1031.2	429.7	792.0	1152.3	989.1	1110.2	806.7	400.4	1001.7
68°	91.4	72.9	834.4	390.9	763.7	1106.8	914.6	1068.4	774.5	362.7	808.9
69°	85.7	67.0	624.1	354.6	730.9	1065.7	837.8	1013.5	742.2	327.2	576.9
70°	81.1	60.9	419.6	321.1	699.6	1017.1	749.6	961.4	708.4	293.2	382.4
71°	77.9	56.2	263.8	285.2	665.5	966.8	667.7	910.4	670.8	258.0	234.2
72°	73.6	52.9	148.0	253.7	625.0	913.5	582.0	857.6	614.4	227.4	135.4
73°	69.3	49.7	85.6	224.2	570.7	861.6	486.9	797.1	563.0	198.8	80.0
74°	63.5	45.6	65.7	197.3	518.8	807.1	408.1	737.7	532.0	170.6	65.4
75°	59.2	40.9	56.3	169.9	488.3	750.6	338.5	668.0	499.5	147.9	56.6
76°	54.5	36.1	50.3	147.3	457.5	677.9	278.8	587.8	467.2	127.2	51.1
77°	51.2	32.6	46.7	128.2	425.7	600.9	224.5	504.0	437.4	108.8	47.5
78°	47.8	29.5	44.5	111.1	397.6	522.8	181.3	434.1	409.6	90.8	46.2
79°	45.0	27.1	41.2	94.7	371.2	450.0	136.0	373.0	380.3	76.0	43.3
80°	42.0	24.8	34.9	80.6	341.5	381.3	75.5	316.8	352.6	62.0	35.9
81°	38.2	22.8	27.6	65.2	313.7	324.2	30.4	258.1	325.2	48.9	28.5
82°	34.2	20.6	21.8	48.3	286.2	268.6	21.7	197.7	298.3	36.2	21.8
83°	24.3	17.1	17.0	36.2	257.4	191.3	17.6	113.0	264.0	27.0	16.7
84°	17.3	14.1	14.1	26.4	223.3	97.7	12.9	40.9	228.8	19.6	13.7
85°	13.6	11.0	11.7	18.8	190.7	29.4	9.4	13.3	190.9	13.8	11.2
86°	10.1	8.4	9.6	12.3	154.5	10.8	5.6	8.3	156.6	9.2	9.2
87°	6.0	6.0	7.2	7.8	118.5	6.0	3.2	4.8	109.8	6.1	7.0
88°	3.0	3.3	4.3	4.0	62.5	2.8	1.8	2.2	46.1	3.8	4.4
89°	1.4	2.0	2.0	1.5	9.4	1.0	0.9	1.0	3.0	2.6	3.3



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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	1.2	1.8	1.6	1.1	0.9	0.0	0.8	1.0	2.6	2.4	3.5
91°	1.4	2.1	1.8	1.0	0.9	0.0	1.0	1.1	3.0	2.6	3.7
92°	1.5	2.2	1.9	1.2	1.1	0.0	1.0	1.3	3.2	2.8	3.9
93°	1.9	2.6	2.2	1.3	1.3	0.0	1.2	1.4	3.5	3.1	4.3
94°	2.0	2.7	2.2	1.4	1.5	0.0	1.4	1.7	3.7	3.4	4.5
95°	2.3	3.0	2.5	1.5	1.8	0.6	1.6	2.0	4.0	3.6	4.8
96°	2.6	3.3	2.7	1.6	1.9	0.6	1.8	2.2	4.4	3.8	5.1
97°	2.8	3.6	2.9	1.8	2.0	0.7	1.9	2.5	4.8	4.1	5.4
98°	3.2	3.9	3.1	2.0	2.3	0.8	2.3	2.9	5.1	4.4	5.7
99°	3.5	4.2	3.3	2.3	2.5	0.8	2.6	3.2	5.5	4.6	6.0
100°	3.8	4.6	3.4	2.5	2.8	1.1	2.8	3.7	5.9	5.0	6.3
101°	4.2	5.0	3.7	2.7	2.9	1.3	3.3	4.0	6.2	5.3	6.5
102°	4.6	5.3	4.0	2.9	3.2	1.4	3.6	4.4	6.6	5.7	6.8
103°	5.0	5.6	4.2	3.1	3.5	1.7	4.0	5.0	7.1	6.0	7.2
104°	5.5	6.0	4.4	3.4	3.9	1.9	4.5	5.4	7.5	6.3	7.5
105°	6.0	6.2	4.6	3.6	4.2	2.2	4.9	5.9	7.9	6.6	7.8
106°	6.3	6.6	4.9	3.9	4.5	2.6	5.4	6.4	8.4	7.1	8.0
107°	6.7	7.0	5.2	4.1	4.8	2.8	6.0	6.9	8.8	7.4	8.4
108°	7.1	7.3	5.5	4.4	5.1	3.2	6.5	7.6	9.2	7.7	8.8
109°	7.6	7.7	5.8	4.8	5.6	3.6	6.9	8.0	9.7	8.1	9.0
110°	7.9	8.0	6.0	5.1	5.9	4.0	7.6	8.6	10.2	8.5	9.3
111°	8.4	8.4	6.3	5.4	6.3	4.4	8.2	9.2	10.5	8.8	9.6
112°	8.8	8.8	6.6	5.6	6.5	4.9	8.8	9.8	10.9	9.2	9.8
113°	9.3	9.2	6.8	6.0	6.9	5.3	9.4	10.2	11.3	9.5	10.2
114°	9.7	9.6	7.2	6.3	7.2	5.7	10.0	11.0	11.7	9.9	10.4
115°	10.1	9.9	7.3	6.6	7.4	6.3	10.6	11.6	12.0	10.3	10.7
116°	10.5	10.2	7.7	6.9	7.7	6.8	11.2	12.2	12.4	10.7	11.1
117°	10.9	10.6	7.9	7.2	8.2	7.3	11.8	12.7	12.7	11.1	11.4
118°	11.4	10.9	8.2	7.6	8.3	7.8	12.5	13.3	13.1	11.4	11.7
119°	11.7	11.3	8.5	7.9	8.7	8.3	13.1	13.8	13.4	11.8	12.0
120°	12.1	11.5	8.9	8.2	9.1	8.8	13.7	14.3	13.7	12.1	12.1
121°	12.5	11.8	9.1	8.6	9.3	9.3	14.4	14.8	14.0	12.4	12.4
122°	12.9	12.1	9.5	8.8	9.7	9.7	14.9	15.3	14.2	12.8	12.6
123°	13.1	12.5	9.7	9.2	10.0	10.2	15.5	15.8	14.6	13.1	12.9
124°	13.5	12.7	10.0	9.5	10.3	10.6	16.0	16.1	14.9	13.5	13.0
125°	13.8	13.0	10.2	9.8	10.6	11.0	16.5	16.6	15.2	13.7	13.5
126°	14.1	13.3	10.4	10.2	11.1	11.5	16.9	17.0	15.6	14.0	13.6
127°	14.4	13.6	10.7	10.5	11.4	11.9	17.3	17.3	15.8	14.3	13.9
128°	14.6	13.9	11.0	10.8	11.8	12.3	17.8	17.7	16.1	14.4	14.2
129°	15.0	14.1	11.1	11.1	12.1	12.5	18.1	18.1	16.5	14.7	14.3
130°	15.4	14.4	11.5	11.4	12.5	13.0	18.5	18.3	16.7	15.0	14.6
131°	15.8	14.6	11.7	11.7	13.0	13.3	18.9	18.5	17.0	15.3	14.7
132°	15.8	14.9	11.9	11.9	13.4	13.7	19.2	18.9	17.3	15.4	15.0
133°	16.1	15.1	12.3	12.1	13.7	14.1	19.5	19.1	17.6	15.6	15.1
134°	16.3	15.3	12.5	12.5	14.2	14.3	19.8	19.4	18.0	15.9	15.4



REPORT NUMBER: P1449824
 CATALOG NUMBER: TWC100_T2_80W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	16.5	15.6	12.7	12.6	14.6	14.8	20.1	19.5	18.2	16.0	15.6
136°	16.9	15.8	13.0	13.0	15.0	15.1	20.3	19.6	18.4	16.3	15.8
137°	17.0	15.8	13.2	13.2	15.5	15.5	20.5	19.9	18.6	16.5	15.8
138°	17.3	16.0	13.5	13.5	15.8	15.8	20.7	20.1	18.8	16.7	16.1
139°	17.4	16.2	13.7	13.7	16.1	16.1	20.7	20.2	18.9	16.9	16.3
140°	17.6	16.4	13.9	14.0	16.4	16.6	21.0	20.5	19.1	17.0	16.5
141°	17.7	16.6	14.1	14.2	16.7	17.0	21.1	20.6	19.3	17.1	16.7
142°	18.1	16.7	14.3	14.4	17.0	17.5	21.3	20.6	19.5	17.5	17.0
143°	18.1	16.8	14.7	14.7	17.3	17.7	21.3	20.8	19.6	17.7	17.0
144°	18.2	17.0	14.7	14.9	17.6	18.2	21.6	21.0	19.7	17.9	17.3
145°	18.2	17.2	15.0	15.0	17.8	18.5	21.5	21.0	19.8	18.0	17.4
146°	18.4	17.1	15.2	15.3	17.9	18.8	21.6	21.1	20.0	18.2	17.6
147°	18.4	17.3	15.4	15.5	18.2	19.1	21.7	21.1	20.0	18.4	17.7
148°	18.5	17.5	15.6	15.7	18.3	19.4	21.7	21.3	20.2	18.4	17.9
149°	18.7	17.6	15.9	15.9	18.4	19.6	21.7	21.3	20.2	18.7	18.2
150°	18.6	17.6	16.0	16.2	18.6	19.9	21.6	21.3	20.4	18.8	18.2
151°	18.8	17.8	16.2	16.3	18.8	20.2	21.7	21.3	20.3	19.0	18.4
152°	18.9	17.8	16.4	16.6	18.9	20.4	21.7	21.3	20.4	19.1	18.5
153°	18.9	17.9	16.6	16.6	19.0	20.5	21.6	21.3	20.5	19.4	18.7
154°	18.9	17.9	16.7	17.0	19.1	20.5	21.5	21.3	20.5	19.3	18.8
155°	19.0	18.2	17.0	17.0	19.3	20.7	21.5	21.3	20.5	19.4	18.9
156°	19.0	18.2	17.1	17.4	19.3	20.8	21.4	21.2	20.5	19.5	19.0
157°	19.0	18.3	17.3	17.5	19.4	20.7	21.3	21.3	20.5	19.6	19.1
158°	19.3	18.2	17.6	17.7	19.6	20.9	21.2	21.1	20.5	19.9	19.2
159°	19.1	18.4	17.7	17.9	19.6	20.9	21.1	21.2	20.6	19.9	19.4
160°	19.2	18.5	17.9	18.3	19.7	21.0	21.0	21.1	20.6	19.9	19.5
161°	19.3	18.7	18.0	18.2	19.7	21.0	21.0	21.1	20.6	20.1	19.5
162°	19.3	18.7	18.2	18.4	19.9	21.1	21.0	21.1	20.6	20.1	19.6
163°	19.3	18.8	18.3	18.6	20.0	21.1	21.0	21.0	20.6	20.2	19.7
164°	19.4	18.8	18.5	18.9	20.1	21.1	20.8	21.0	20.6	20.2	19.7
165°	19.5	19.0	18.5	18.9	20.1	21.1	20.7	20.9	20.6	20.3	19.8
166°	19.5	19.0	18.7	19.0	20.2	21.1	20.6	20.8	20.7	20.3	19.9
167°	19.5	19.1	18.9	19.2	20.3	21.1	20.8	20.9	20.7	20.5	20.0
168°	19.6	19.1	19.0	19.4	20.3	21.1	20.7	20.9	20.6	20.5	20.1
169°	19.6	19.4	19.1	19.5	20.4	21.1	20.6	20.8	20.7	20.6	20.1
170°	19.7	19.4	19.4	19.7	20.5	21.0	20.6	20.6	20.7	20.6	20.2
171°	19.8	19.5	19.4	19.9	20.6	21.1	20.7	20.8	20.5	20.7	20.2
172°	19.9	19.5	19.7	20.0	20.6	21.0	20.7	20.7	20.7	20.7	20.5
173°	20.0	19.6	19.6	20.1	20.6	21.0	20.7	20.6	20.7	20.8	20.4
174°	20.1	19.7	19.9	20.2	20.6	21.0	20.7	20.7	20.6	20.9	20.5
175°	20.2	19.9	20.0	20.4	20.6	21.0	20.7	20.6	20.7	20.8	20.6
176°	20.5	20.0	20.1	20.4	20.7	21.0	20.8	20.7	20.6	21.0	20.6
177°	20.5	20.1	20.1	20.6	20.6	21.0	20.8	20.5	20.5	20.9	20.7
178°	20.5	20.2	20.2	20.6	20.7	21.0	20.6	20.6	20.5	20.9	20.6
179°	20.6	20.4	20.5	20.7	20.7	20.9	20.7	20.5	20.6	20.8	20.8



REPORT NUMBER: P1449824
CATALOG NUMBER: TWC100_T2_80W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6



REPORT NUMBER: P1449824
CATALOG NUMBER: TWC100_T2_80W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	1923.3	1923.3
1°	1930.2	1930.3
2°	1939.5	1937.5
3°	1945.3	1947.3
4°	1950.9	1955.1
5°	1954.5	1961.6
6°	1959.5	1971.6
7°	1964.7	1979.1
8°	1969.6	1987.2
9°	1976.5	1995.2
10°	1982.3	2004.1
11°	1988.5	2013.7
12°	1995.6	2025.4
13°	2001.4	2036.0
14°	2009.2	2048.0
15°	2016.8	2060.5
16°	2027.7	2077.6
17°	2037.0	2091.0
18°	2046.7	2106.7
19°	2056.4	2121.1
20°	2067.8	2136.7
21°	2078.5	2152.5
22°	2089.8	2168.0
23°	2101.7	2188.7
24°	2112.6	2206.1
25°	2125.3	2222.9
26°	2136.8	2239.6
27°	2150.4	2256.1
28°	2162.4	2271.3
29°	2174.2	2287.6
30°	2184.6	2303.1
31°	2194.5	2317.2
32°	2205.6	2329.6
33°	2216.2	2340.3
34°	2225.4	2348.8
35°	2235.7	2357.6
36°	2242.2	2361.0
37°	2246.7	2360.6
38°	2249.5	2356.5
39°	2248.9	2344.7
40°	2245.2	2332.2
41°	2240.0	2315.5
42°	2229.9	2294.4
43°	2213.0	2266.4
44°	2194.3	2233.3



REPORT NUMBER: P1449824
CATALOG NUMBER: TWC100_T2_80W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	2170.7	2193.6
46°	2140.7	2141.8
47°	2106.3	2088.3
48°	2064.0	2027.2
49°	2014.7	1958.9
50°	1949.7	1875.2
51°	1883.3	1794.1
52°	1808.7	1705.2
53°	1726.5	1605.0
54°	1628.7	1485.3
55°	1528.5	1369.6
56°	1415.1	1250.5
57°	1293.4	1107.0
58°	1152.6	960.1
59°	1019.7	795.0
60°	875.8	598.7
61°	718.5	422.7
62°	532.3	281.8
63°	361.3	185.7
64°	222.2	128.4
65°	132.5	110.9
66°	87.4	103.4
67°	75.3	97.4
68°	68.5	91.4
69°	61.8	85.7
70°	56.1	81.1
71°	52.4	77.9
72°	49.4	73.6
73°	45.6	69.3
74°	41.4	63.5
75°	36.9	59.2
76°	33.1	54.5
77°	29.9	51.2
78°	27.1	47.8
79°	25.3	45.0
80°	23.5	42.0
81°	21.6	38.2
82°	19.2	34.2
83°	16.0	24.3
84°	13.5	17.3
85°	10.3	13.6
86°	8.4	10.1
87°	6.5	6.0
88°	4.5	3.0
89°	4.2	1.4



REPORT NUMBER: P1449824
CATALOG NUMBER: TWC100_T2_80W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	4.5	1.2
91°	4.8	1.4
92°	5.3	1.5
93°	5.6	1.9
94°	6.0	2.0
95°	6.4	2.3
96°	6.8	2.6
97°	7.3	2.8
98°	7.7	3.2
99°	8.1	3.5
100°	8.6	3.8
101°	8.9	4.2
102°	9.3	4.6
103°	9.6	5.0
104°	10.2	5.5
105°	10.5	6.0
106°	10.9	6.3
107°	11.3	6.7
108°	11.7	7.1
109°	12.0	7.6
110°	12.4	7.9
111°	12.8	8.4
112°	13.1	8.8
113°	13.6	9.3
114°	13.8	9.7
115°	14.1	10.1
116°	14.4	10.5
117°	14.8	10.9
118°	15.0	11.4
119°	15.2	11.7
120°	15.5	12.1
121°	15.8	12.5
122°	15.8	12.9
123°	16.0	13.1
124°	16.3	13.5
125°	16.4	13.8
126°	16.5	14.1
127°	16.7	14.4
128°	16.9	14.6
129°	16.9	15.0
130°	17.2	15.4
131°	17.2	15.8
132°	17.3	15.8
133°	17.4	16.1
134°	17.6	16.3



REPORT NUMBER: P1449824
CATALOG NUMBER: TWC100_T2_80W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	17.7	16.5
136°	17.8	16.9
137°	17.9	17.0
138°	18.0	17.3
139°	18.2	17.4
140°	18.1	17.6
141°	18.1	17.7
142°	18.2	18.1
143°	18.4	18.1
144°	18.4	18.2
145°	18.4	18.2
146°	18.5	18.4
147°	18.7	18.4
148°	18.6	18.5
149°	18.7	18.7
150°	18.7	18.6
151°	18.9	18.8
152°	18.9	18.9
153°	19.0	18.9
154°	19.0	18.9
155°	19.0	19.0
156°	19.1	19.0
157°	19.2	19.0
158°	19.2	19.3
159°	19.3	19.1
160°	19.3	19.2
161°	19.3	19.3
162°	19.4	19.3
163°	19.4	19.3
164°	19.5	19.4
165°	19.6	19.5
166°	19.6	19.5
167°	19.7	19.5
168°	19.8	19.6
169°	19.9	19.6
170°	19.9	19.7
171°	20.1	19.8
172°	20.0	19.9
173°	20.2	20.0
174°	20.4	20.1
175°	20.4	20.2
176°	20.5	20.5
177°	20.5	20.5
178°	20.7	20.5
179°	20.7	20.6

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

Scaled Data Report



REPORT NUMBER: P1449824
CATALOG NUMBER: TWC100_T2_80W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	20.6	20.6

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

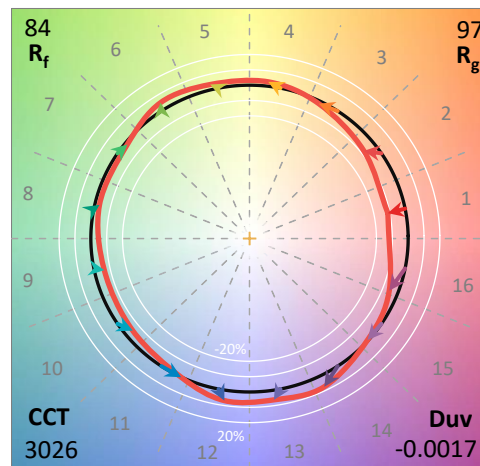
Test Information

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

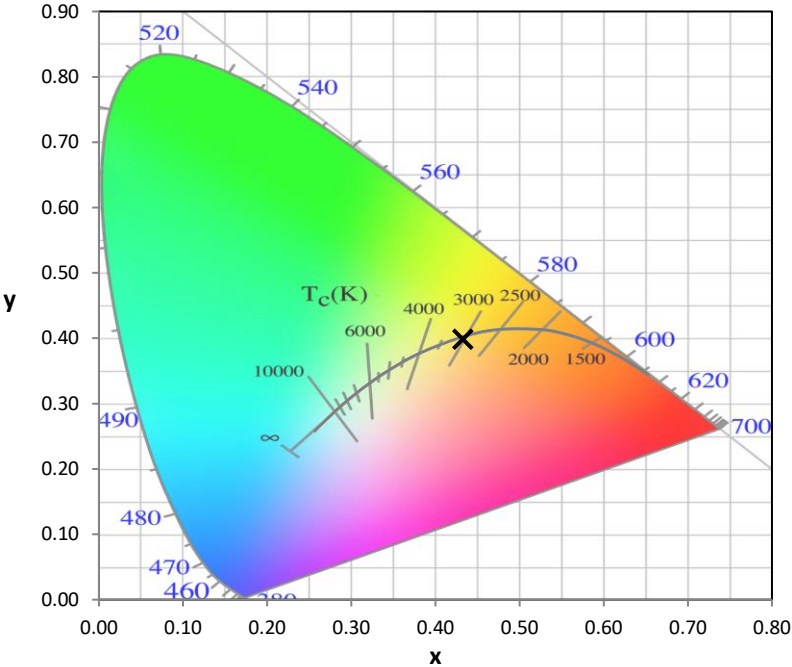
Stabilization Time: 64M
 Operation Time: 2H 4M
 Sphere Temperature (°C): 24.8

REPORT NUMBER: SP1-2601-659-1

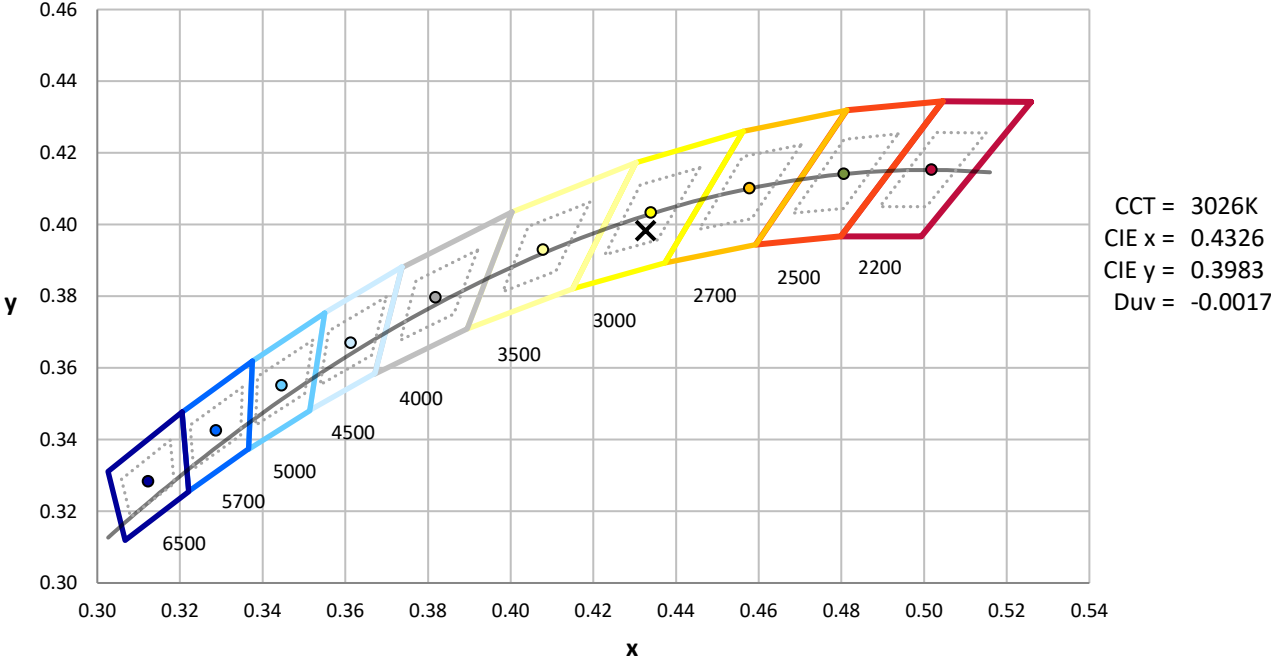
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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



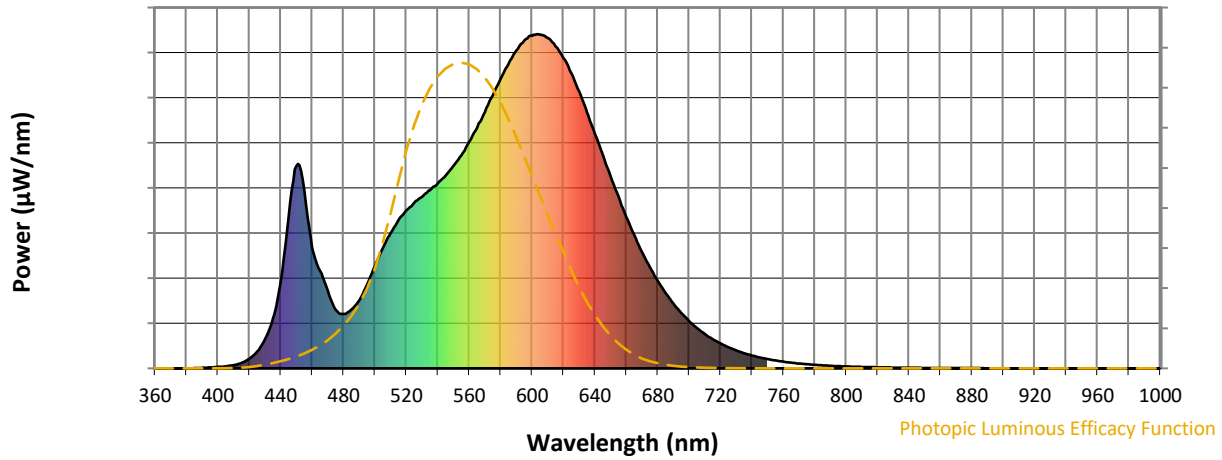
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2601-659-1

Photopic Flux vs. Wavelength

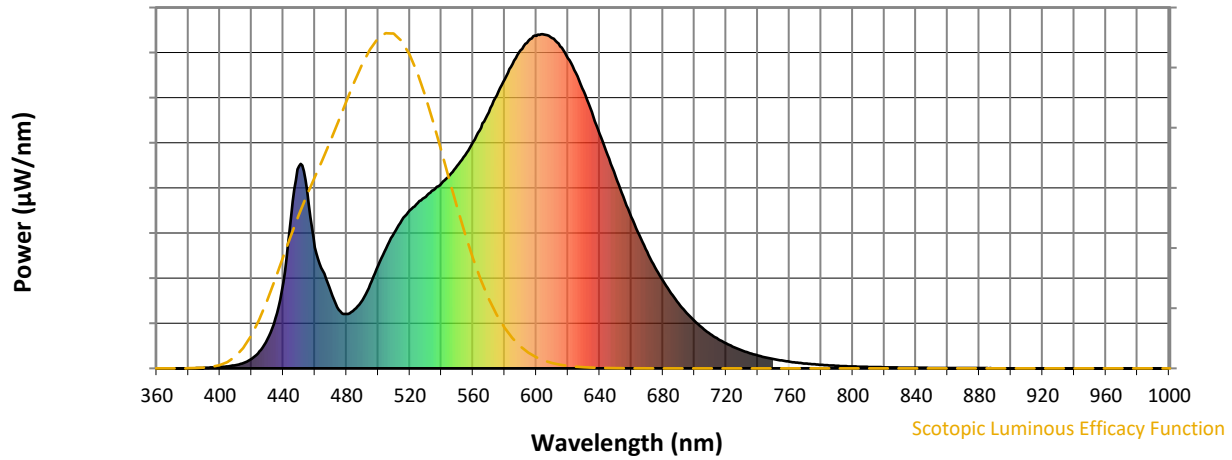


Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /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			

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Scotopic Flux vs. Wavelength



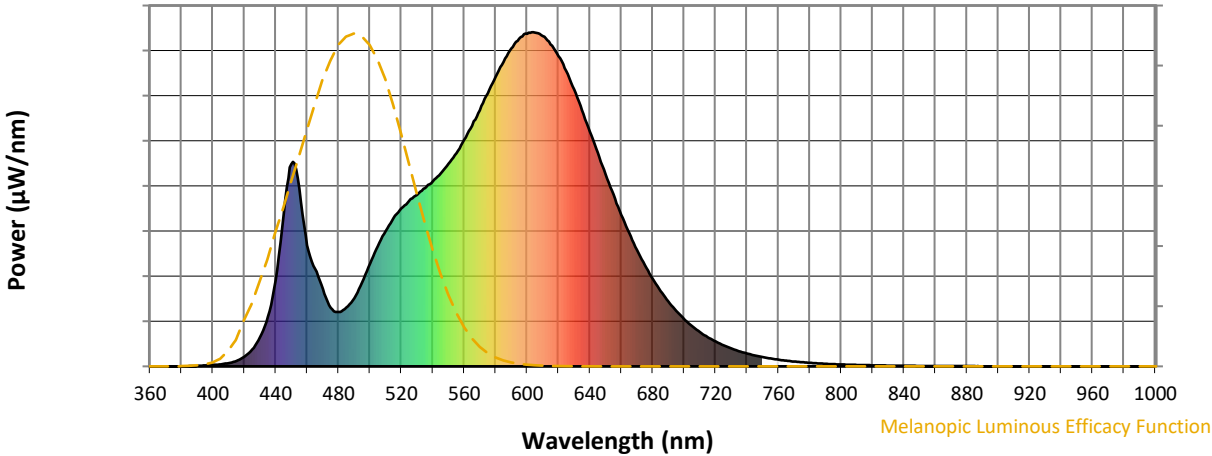
Scotopic Lumens: NR

S/P: 1.35

λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /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			

REPORT NUMBER: SP1-2601-659-1

Melanopic Flux vs. Wavelength



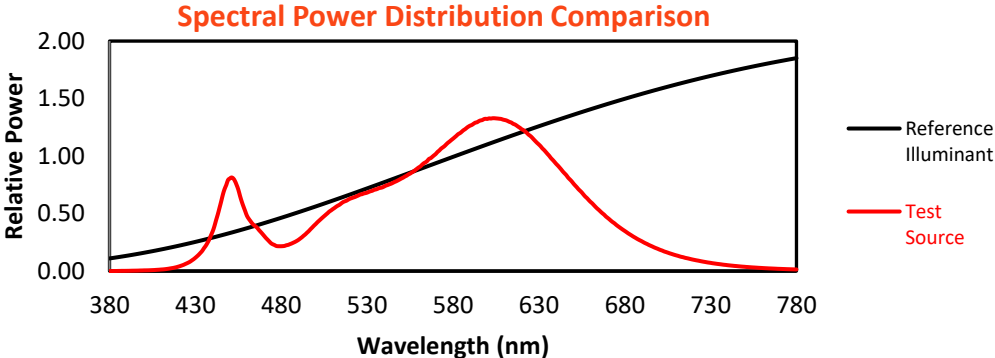
Melanopic Lumens: NR

M/P: 2.61

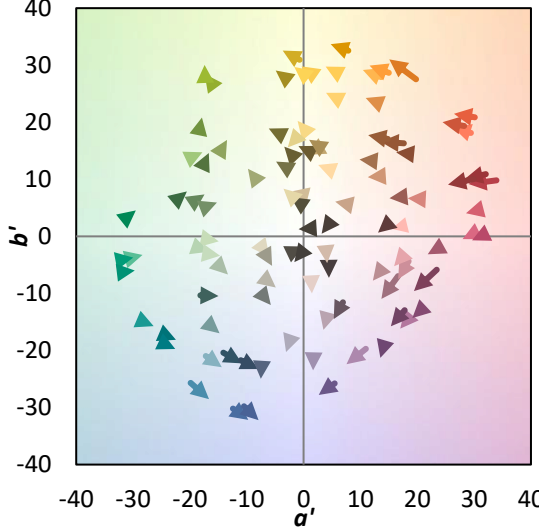
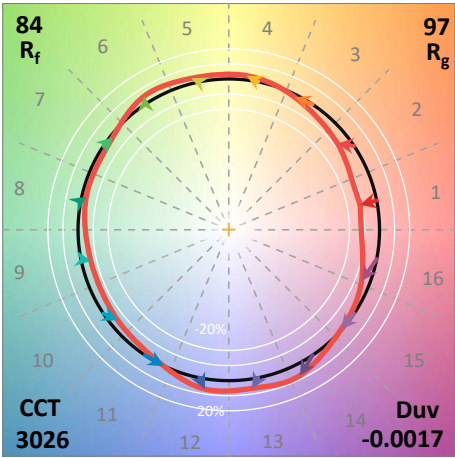
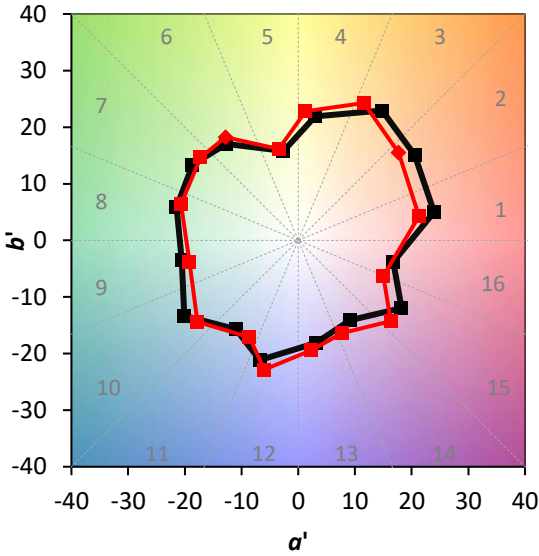
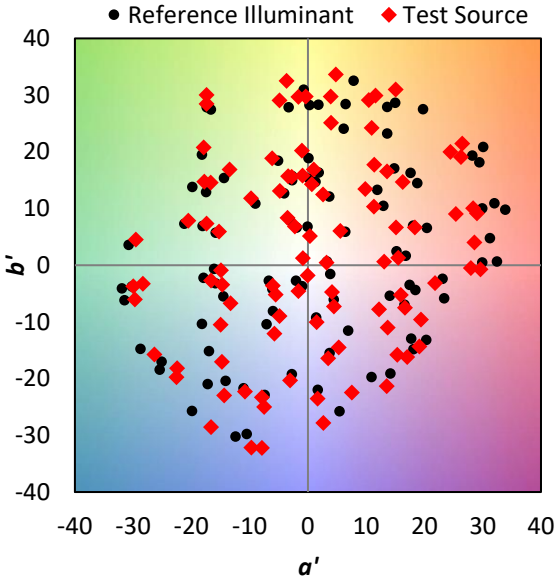
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	204	NR	620	928	NR	750	28	NR	880	1	NR
365	0	NR	495	251	NR	625	884	NR	755	24	NR	885	1	NR
370	0	NR	500	307	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

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

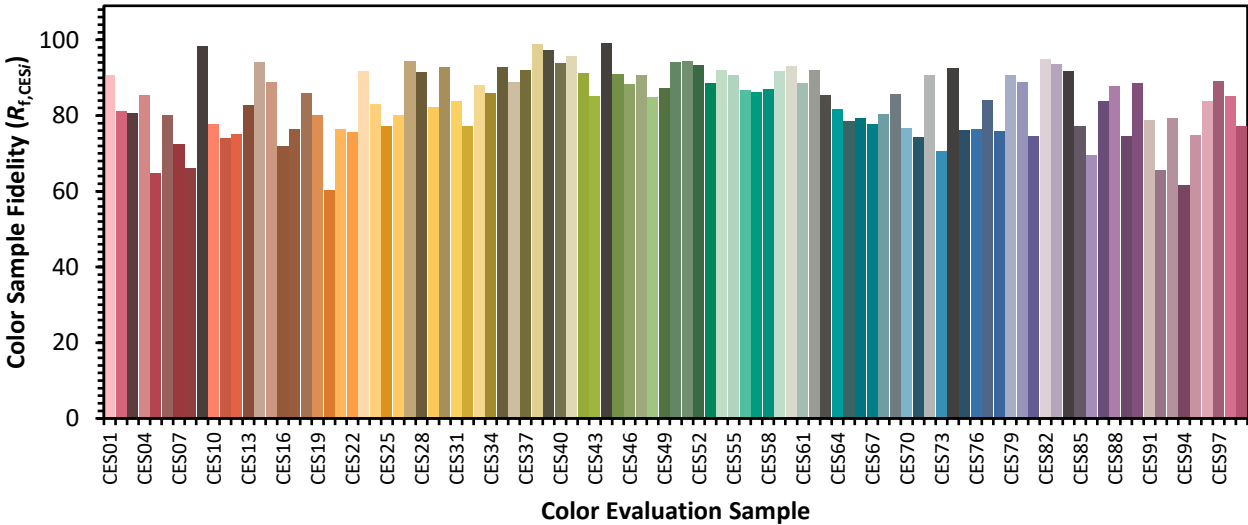


Color Vector Graphics

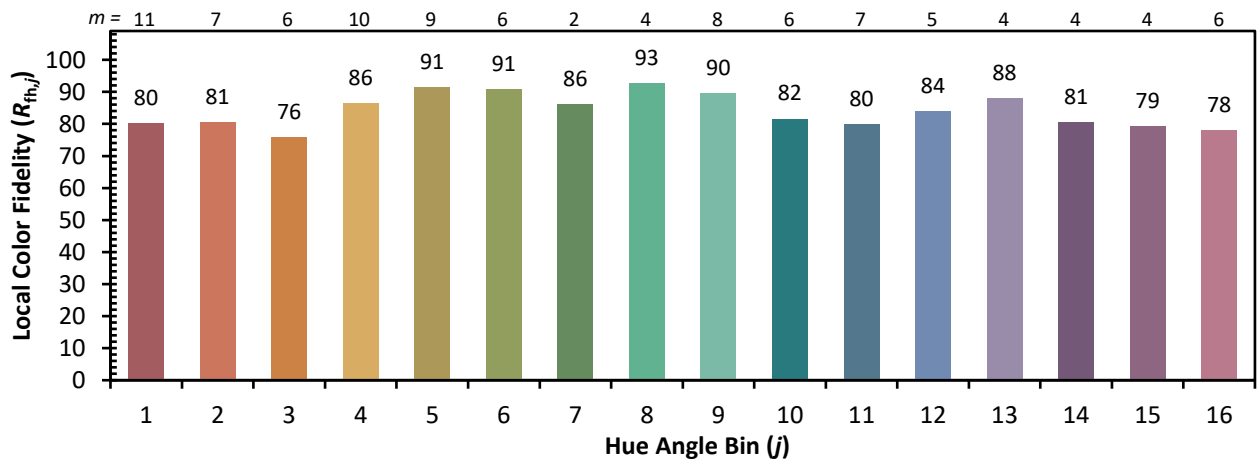
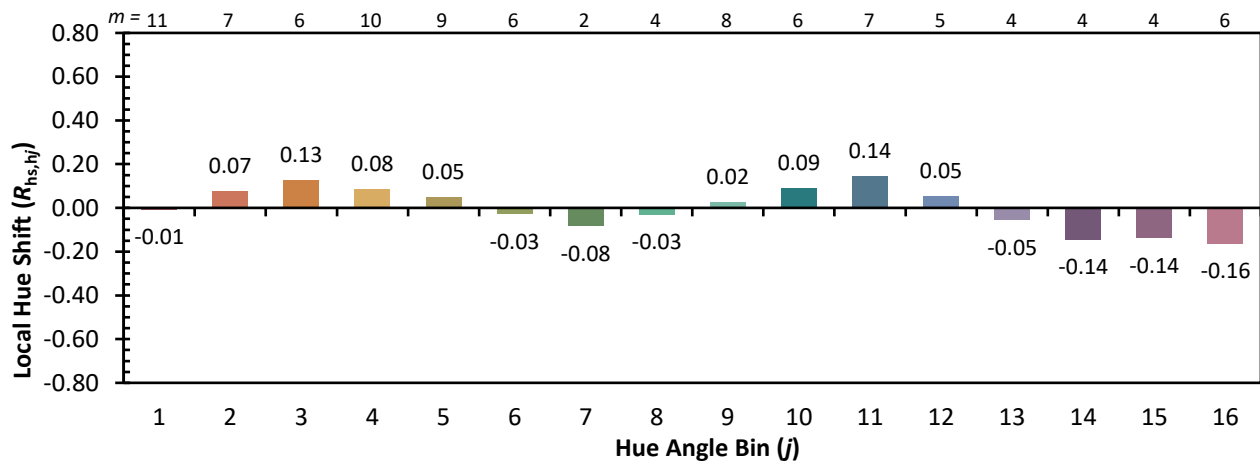
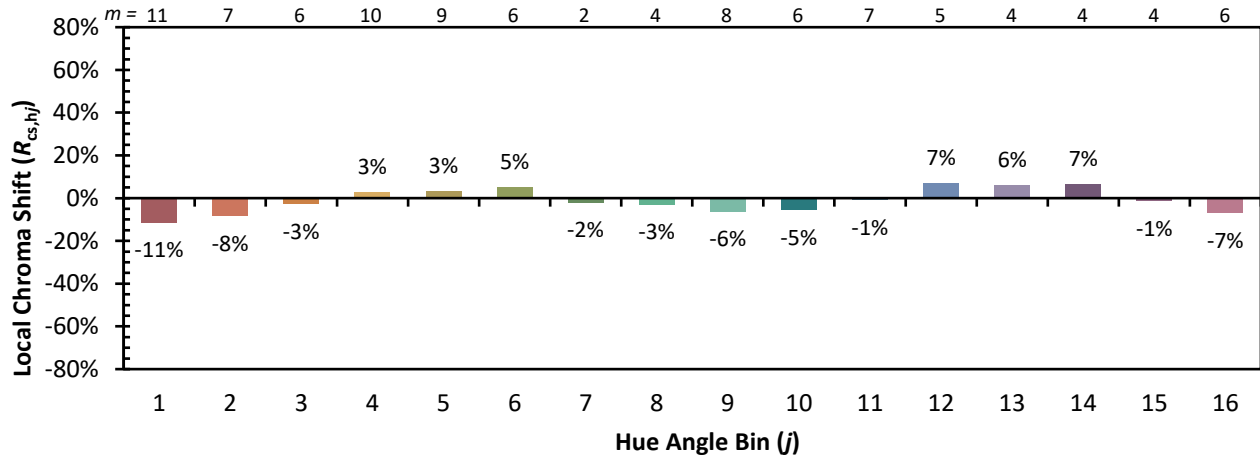


Individual Sample Fidelity Index ($R_{f,i}$)

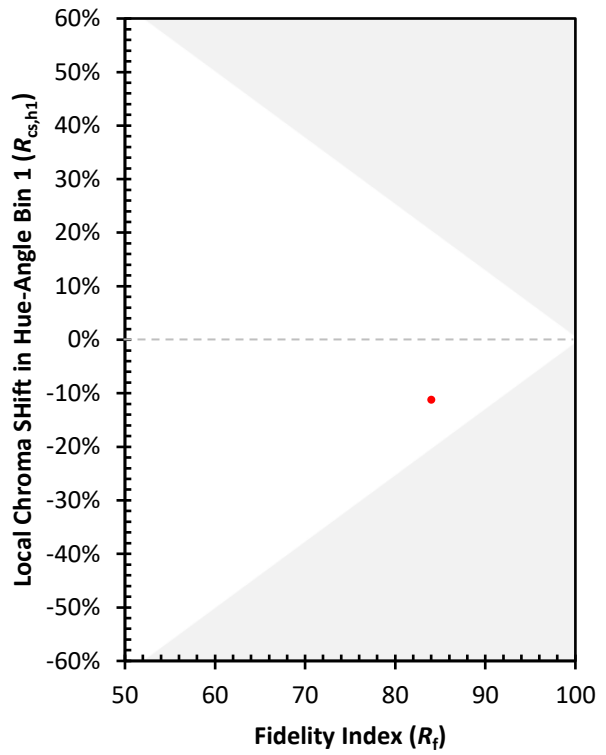
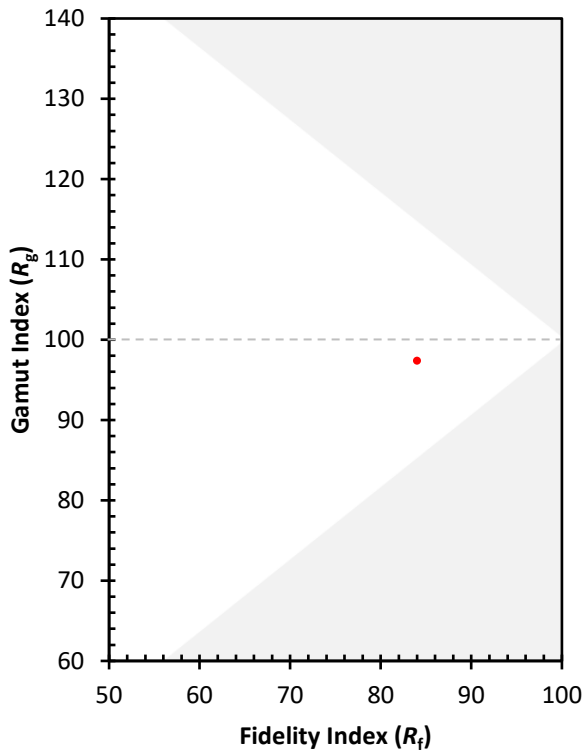
CES01 = 86	CES26 = 80	CES51 = 94	CES76 = 76
CES02 = 63	CES27 = 94	CES52 = 93	CES77 = 84
CES03 = 31	CES28 = 92	CES53 = 88	CES78 = 76
CES04 = 70	CES29 = 82	CES54 = 92	CES79 = 91
CES05 = 50	CES30 = 93	CES55 = 91	CES80 = 89
CES06 = 51	CES31 = 84	CES56 = 87	CES81 = 75
CES07 = 42	CES32 = 77	CES57 = 86	CES82 = 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)