

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: McGRAW-EDISON

Report Number: P972358

Luminaire Tested: **GKO-PB2D-727-U-T2U**

Issue Date: 02/27/2025

Test Information

Test Method: LM-79-08
Report Number: P972358
Test Lab: INNOVATION CENTER(G1)
Issue Date: 02/27/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2D-727-U-T2U
Description: GEKKO WALL PACK 10000LM PACKAGE 70CRI 2700K FIXTURE w/ TYPE II
URBAN DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9569.7 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

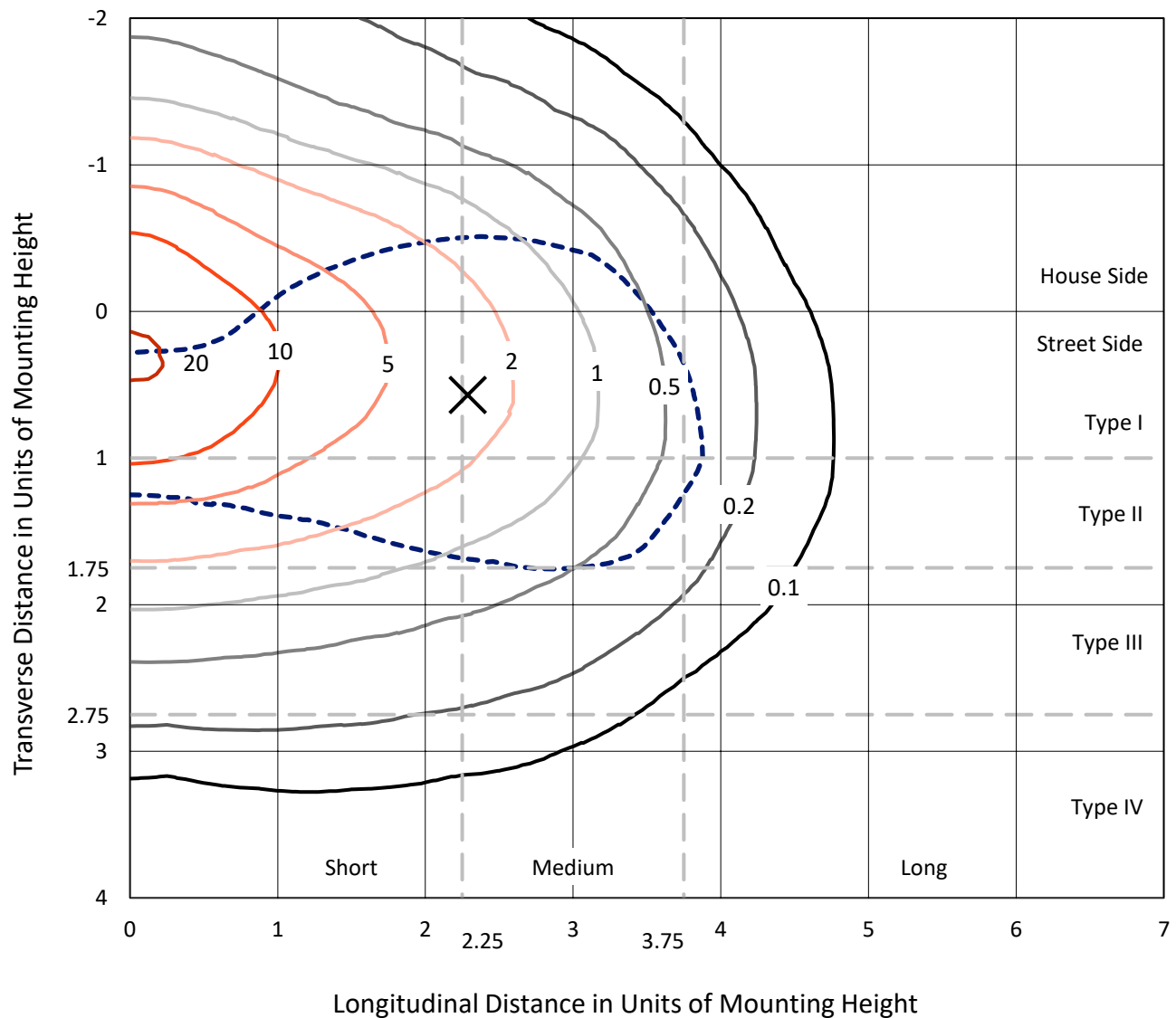
Input Watts (W): 76.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

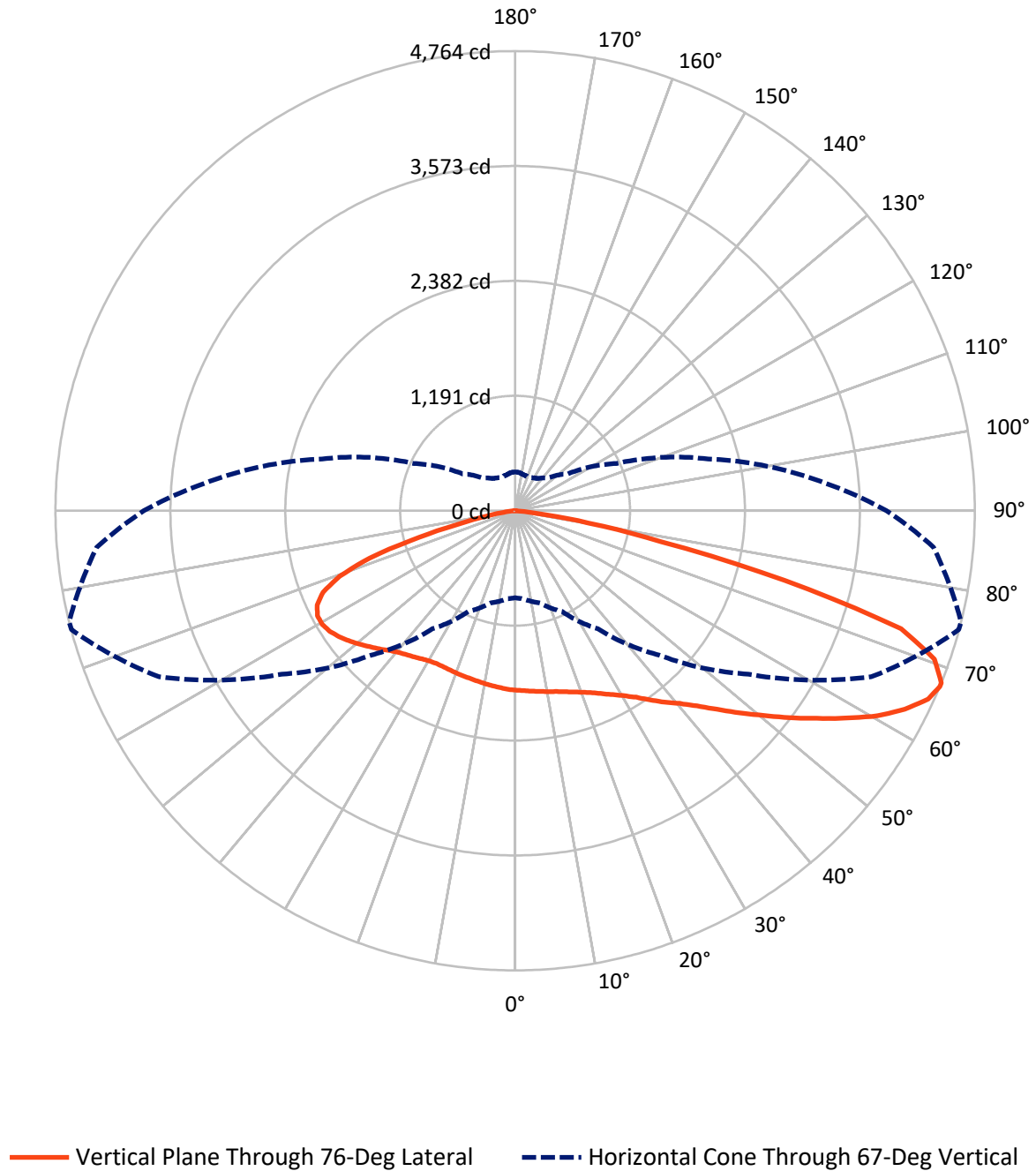


Based on 10 foot mounting height. Maximum calculated value = 21 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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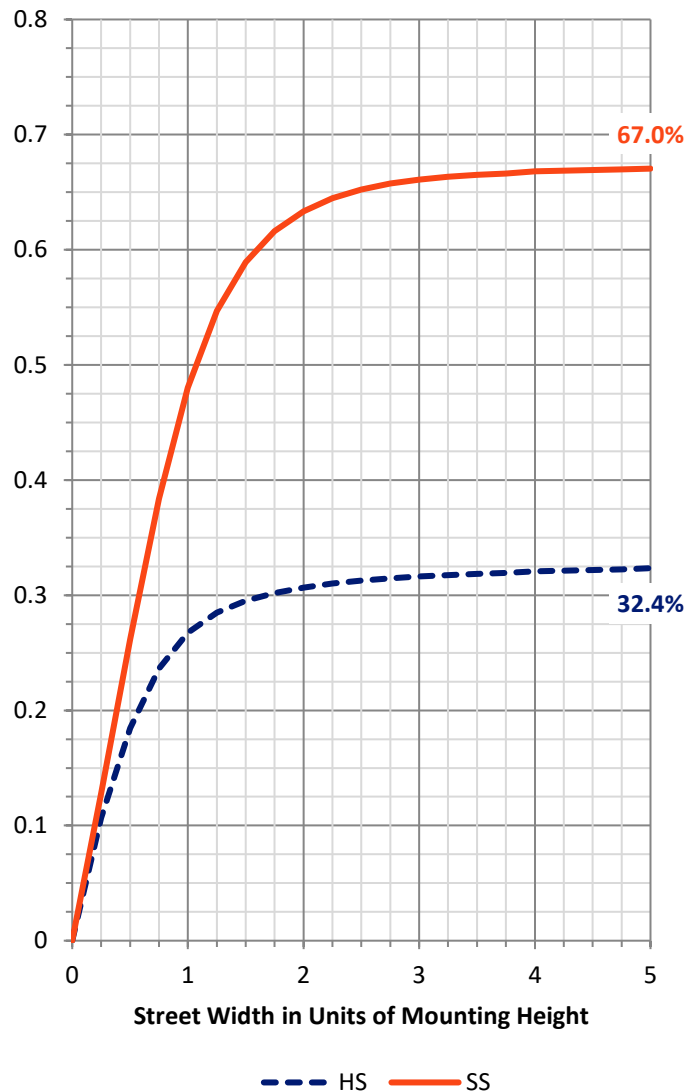
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3157.2	0.0	3157.2
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	6412.5	0.0	6412.5
	% Fixture	67.0	0.0	67.0
Total	Lumens	9569.7	0.0	9569.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.8	1.9
10°-20°	547.1	5.7
20°-30°	941.1	9.8
30°-40°	1352.4	14.1
40°-50°	1715.1	17.9
50°-60°	1883.3	19.7
60°-70°	1826.5	19.1
70°-80°	1008.4	10.5
80°-90°	117.0	1.2
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°	9569.7	100.0
0°-180°	9569.7	100.0



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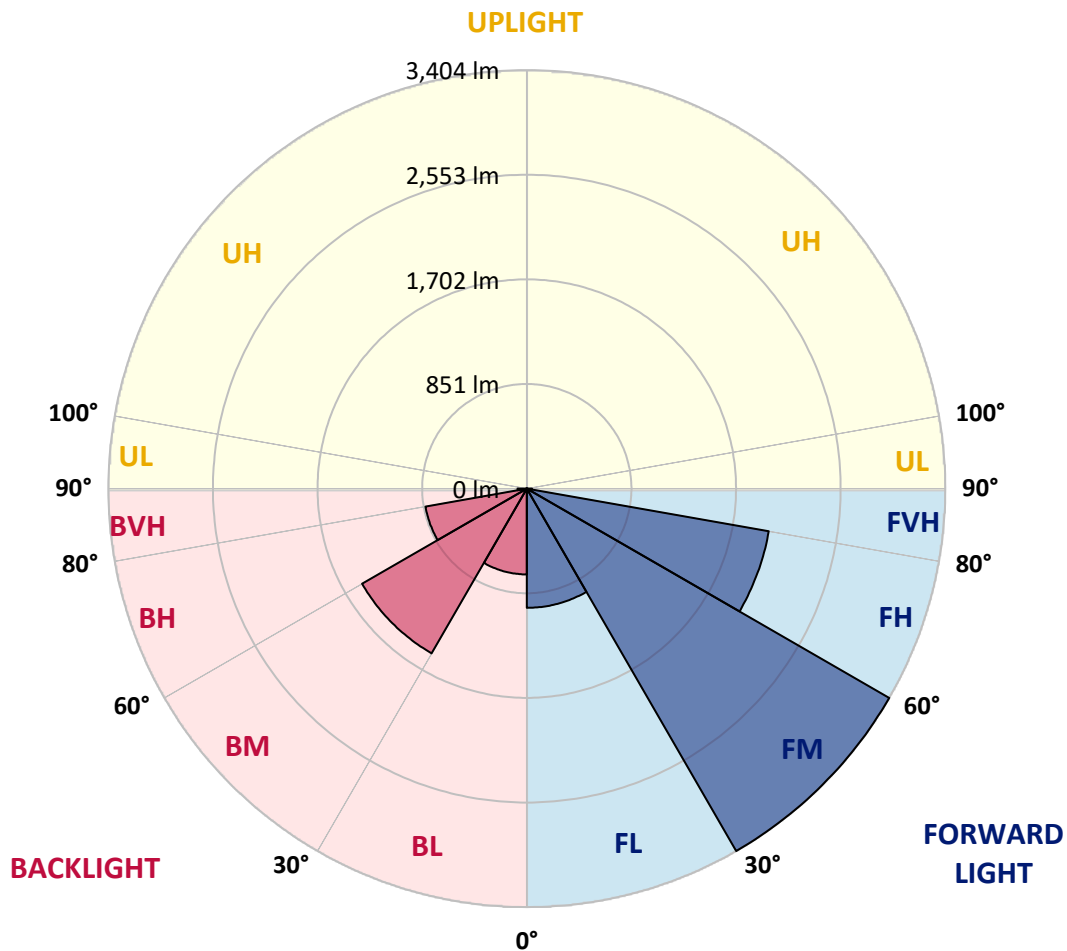
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	969.4	10.1			
FM	(30°-60°)	3403.7	35.6			
FH	(60°-80°)	1998.1	20.9			G2/5000
FVH	(80°-90°)	41.3	0.4			G1/100
BL	(0°-30°)	697.6	7.3	B2/1000		
BM	(30°-60°)	1547.1	16.2	B2/2500		
BH	(60°-80°)	836.9	8.7	B2/1000		G2/1000
BVH	(80°-90°)	75.6	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1860.2	1860.2	1860.2	1860.2	1860.2	1860.2	1860.2	1860.2	1860.2	1860.2	1860.2
2.5°	1915.8	1913.9	1912.1	1912.1	1904.7	1897.3	1889.9	1884.3	1869.5	1867.6	1860.2
5°	1973.2	1973.2	1967.6	1965.7	1954.6	1936.1	1919.5	1902.8	1882.5	1878.8	1862.1
7.5°	2047.2	2047.2	2037.9	2030.5	2013.9	1984.3	1954.6	1925.0	1895.4	1891.7	1865.8
10°	2141.6	2141.6	2134.2	2117.5	2082.4	2043.5	1995.4	1949.1	1910.2	1906.5	1869.5
12.5°	2239.7	2241.5	2230.4	2206.4	2163.8	2104.6	2045.3	1978.7	1928.7	1923.2	1876.9
15°	2339.6	2341.5	2334.1	2308.2	2250.8	2178.6	2099.0	2019.4	1952.8	1947.2	1888.0
17.5°	2437.8	2441.5	2434.0	2404.4	2337.8	2260.1	2162.0	2062.0	1982.4	1975.0	1906.5
20°	2530.3	2530.3	2530.3	2497.0	2432.2	2343.4	2230.4	2113.8	2015.7	2008.3	1928.7
22.5°	2613.6	2617.3	2622.9	2604.3	2530.3	2432.2	2310.0	2171.2	2058.3	2049.0	1956.5
25°	2696.9	2698.7	2713.5	2700.6	2628.4	2526.6	2395.2	2243.4	2110.1	2100.9	1989.8
27.5°	2793.1	2798.7	2807.9	2802.4	2721.0	2621.0	2489.6	2323.0	2167.5	2158.3	2030.5
30°	2906.1	2906.1	2911.6	2902.3	2820.9	2721.0	2584.0	2406.3	2239.7	2224.9	2080.5
32.5°	2998.6	3007.9	3004.2	3000.5	2915.3	2815.4	2680.2	2498.8	2323.0	2304.5	2149.0
35°	3085.6	3087.4	3085.6	3089.3	3004.2	2909.8	2782.0	2606.2	2415.5	2408.1	2236.0
37.5°	3135.6	3139.3	3148.5	3159.6	3083.7	2994.9	2883.8	2724.7	2530.3	2517.3	2339.6
40°	3159.6	3165.2	3215.2	3231.8	3150.4	3076.3	2991.2	2832.0	2641.4	2626.6	2443.3
42.5°	3196.7	3241.1	3267.0	3270.7	3200.4	3135.6	3083.7	2954.2	2778.3	2765.4	2582.1
45°	3074.5	3057.8	3126.3	3205.9	3202.2	3174.4	3172.6	3091.2	2946.8	2933.8	2739.5
47.5°	2920.9	2907.9	2944.9	3061.5	3144.8	3191.1	3259.6	3252.2	3150.4	3131.9	2922.7
50°	2554.4	2576.6	2758.0	2917.2	3061.5	3196.7	3333.6	3420.6	3348.4	3333.6	3117.1
52.5°	2211.9	2226.7	2350.8	2730.2	2954.2	3180.0	3398.4	3598.3	3579.8	3563.2	3329.9
55°	1971.3	1986.1	2184.2	2426.6	2795.0	3094.9	3441.0	3766.8	3814.9	3798.2	3555.7
57.5°	1719.6	1743.6	1878.8	2091.6	2582.1	2954.2	3455.8	3937.1	4070.3	4055.5	3772.3
60°	1477.1	1510.4	1590.0	1821.4	2319.3	2787.6	3416.9	4074.0	4316.5	4316.5	3996.3
62.5°	1253.1	1271.6	1354.9	1564.1	1986.1	2574.7	3318.8	4161.0	4542.3	4533.1	4192.5
65°	1068.0	1077.3	1143.9	1323.5	1706.6	2339.6	3148.5	4155.5	4703.4	4705.2	4322.1
67°	901.4	916.2	990.3	1153.2	1493.7	2117.5	2952.3	4072.2	4760.7	4764.4	4353.5
67.5°	844.1	860.7	942.2	1110.6	1449.3	2056.4	2906.1	4037.0	4757.0	4764.4	4344.3
70°	581.2	584.9	721.9	914.4	1192.0	1732.5	2585.8	3792.7	4616.4	4610.8	4142.5
72.5°	370.2	364.6	496.1	668.2	958.8	1403.0	2182.3	3365.1	4188.8	4183.2	3652.0
75°	246.2	251.7	335.0	477.6	673.8	1084.7	1701.1	2539.6	2909.8	2887.5	2410.0
77.5°	175.8	172.1	207.3	344.3	451.6	659.0	923.6	1351.2	1545.6	1545.6	1323.5
80°	96.3	98.1	112.9	190.7	255.4	257.3	346.1	677.5	755.2	771.9	642.3
82.5°	27.8	29.6	40.7	64.8	70.3	77.7	120.3	194.4	203.6	214.7	174.0
85°	0.0	0.0	0.0	1.9	7.4	9.3	9.3	11.1	18.5	18.5	20.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.9	1.9	3.7	7.4	7.4	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1860.2	1860.2	1860.2	1860.2	1860.2	1860.2	1860.2	1860.2	1860.2	1860.2	1860.2
2.5°	1858.4	1860.2	1852.8	1843.6	1836.2	1832.5	1821.4	1812.1	1817.7	1823.2	1823.2
5°	1856.5	1854.7	1839.9	1823.2	1812.1	1804.7	1786.2	1773.2	1775.1	1780.7	1778.8
7.5°	1856.5	1849.1	1828.8	1804.7	1786.2	1771.4	1747.3	1732.5	1730.7	1734.4	1730.7
10°	1858.4	1845.4	1817.7	1784.4	1758.4	1736.2	1706.6	1690.0	1684.4	1686.3	1682.5
12.5°	1862.1	1841.7	1806.6	1764.0	1730.7	1701.1	1667.7	1647.4	1643.7	1647.4	1647.4
15°	1867.6	1841.7	1797.3	1745.5	1701.1	1667.7	1634.4	1615.9	1615.9	1617.8	1617.8
17.5°	1878.8	1847.3	1789.9	1725.1	1671.4	1634.4	1604.8	1591.9	1593.7	1599.3	1599.3
20°	1889.9	1854.7	1782.5	1704.8	1645.5	1603.0	1578.9	1569.6	1577.0	1584.4	1584.4
22.5°	1906.5	1863.9	1775.1	1686.3	1615.9	1573.3	1553.0	1545.6	1553.0	1562.2	1558.5
25°	1932.4	1880.6	1769.5	1669.6	1588.1	1541.9	1521.5	1514.1	1517.8	1525.2	1525.2
27.5°	1962.0	1901.0	1767.7	1649.2	1554.8	1504.9	1480.8	1469.7	1469.7	1471.5	1473.4
30°	2012.0	1936.1	1775.1	1634.4	1525.2	1466.0	1434.5	1417.9	1416.0	1423.4	1423.4
32.5°	2071.3	1984.3	1793.6	1621.5	1495.6	1419.7	1377.1	1364.2	1360.5	1366.0	1360.5
35°	2137.9	2037.9	1817.7	1619.6	1466.0	1369.7	1321.6	1306.8	1295.7	1292.0	1288.3
37.5°	2232.3	2112.0	1841.7	1610.4	1436.4	1316.1	1264.2	1232.8	1219.8	1216.1	1216.1
40°	2324.8	2184.2	1871.3	1595.6	1401.2	1262.4	1188.3	1153.2	1147.6	1147.6	1147.6
42.5°	2441.5	2278.6	1912.1	1586.3	1358.6	1208.7	1106.9	1066.2	1066.2	1066.2	1064.3
45°	2585.8	2402.6	1963.9	1582.6	1317.9	1143.9	1019.9	966.2	964.4	962.5	960.7
47.5°	2754.3	2532.2	2013.9	1573.3	1269.8	1066.2	919.9	860.7	847.8	844.1	838.5
50°	2928.3	2672.8	2067.6	1560.4	1212.4	975.5	825.5	757.1	729.3	720.0	723.7
52.5°	3113.4	2809.8	2119.4	1541.9	1143.9	884.8	729.3	657.1	629.3	618.2	616.4
55°	3294.8	2948.6	2167.5	1517.8	1069.9	792.2	647.8	577.5	553.4	549.7	549.7
57.5°	3478.0	3081.9	2204.5	1482.6	988.4	710.8	577.5	520.1	503.5	510.9	510.9
60°	3644.6	3198.5	2223.0	1434.5	907.0	636.7	522.0	479.4	472.0	490.5	488.7
62.5°	3794.5	3276.2	2213.8	1364.2	827.4	573.8	479.4	447.9	449.8	472.0	473.9
65°	3866.7	3289.2	2160.1	1267.9	738.5	520.1	435.0	405.4	409.1	433.1	438.7
67°	3850.1	3239.2	2071.3	1158.7	666.4	479.4	407.2	377.6	379.5	399.8	401.7
67.5°	3831.5	3215.2	2047.2	1125.4	647.8	472.0	399.8	372.0	375.8	394.3	394.3
70°	3585.4	2970.8	1825.1	955.1	560.8	420.2	364.6	346.1	349.8	360.9	360.9
72.5°	3133.7	2572.9	1477.1	766.3	475.7	372.0	329.5	318.4	318.4	318.4	309.1
75°	1999.1	1612.2	966.2	586.8	392.4	318.4	296.2	283.2	275.8	286.9	283.2
77.5°	1105.0	842.2	503.5	336.9	283.2	264.7	257.3	251.7	249.9	275.8	268.4
80°	523.8	416.5	283.2	192.5	162.9	196.2	222.1	218.4	261.0	357.2	359.1
82.5°	166.6	137.0	114.8	105.5	109.2	140.7	172.1	198.1	338.7	383.2	377.6
85°	20.4	18.5	13.0	42.6	72.2	103.7	133.3	257.3	311.0	259.1	244.3
87.5°	7.4	7.4	7.4	29.6	55.5	79.6	120.3	259.1	190.7	174.0	159.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP2-2501-321-3

Test Date: 04/09/2025

Luminaire Tested: GKO-PB1E-727-U-T4W

Data in this report applies to families of products including GKO-PB1E-727-U-T4W

Test Information

Test Method: LM-79-2019
 Report Number: SP2-2501-321-3
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP2 - 165CM SPHERE
 Measurement Geometry: 4π
 Issue Date: 04/10/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GKO-PB1E-727-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K): 2769
 CIE u' : 0.2596
 CIE v' : 0.5253
 Duv: -0.0005
 CIE x: 0.4535
 CIE y: 0.4078
 CIE z: 0.1387
 Peak Wavelength (nm): 597
 Dominant Wavelength (nm): 584
 Purity: 58.54014
 R_f: 75.7
 R_g: 93.2

CRI (Ra): 71.7
 R1: 68.0
 R2: 84.0
 R3: 94.6
 R4: 65.9
 R5: 67.3
 R6: 78.7
 R7: 75.2
 R8: 39.8
 R9: -34.5
 R10: 64.3
 R11: 60.9
 R12: 54.4
 R13: 71.2
 R14: 97.6
 R15: 59.5



Test Conditions

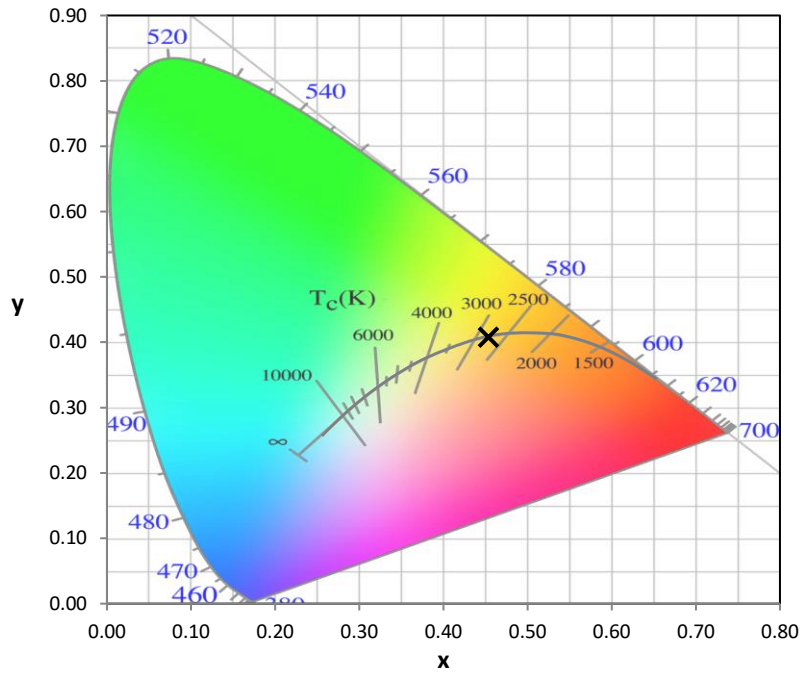
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.0

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Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

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CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

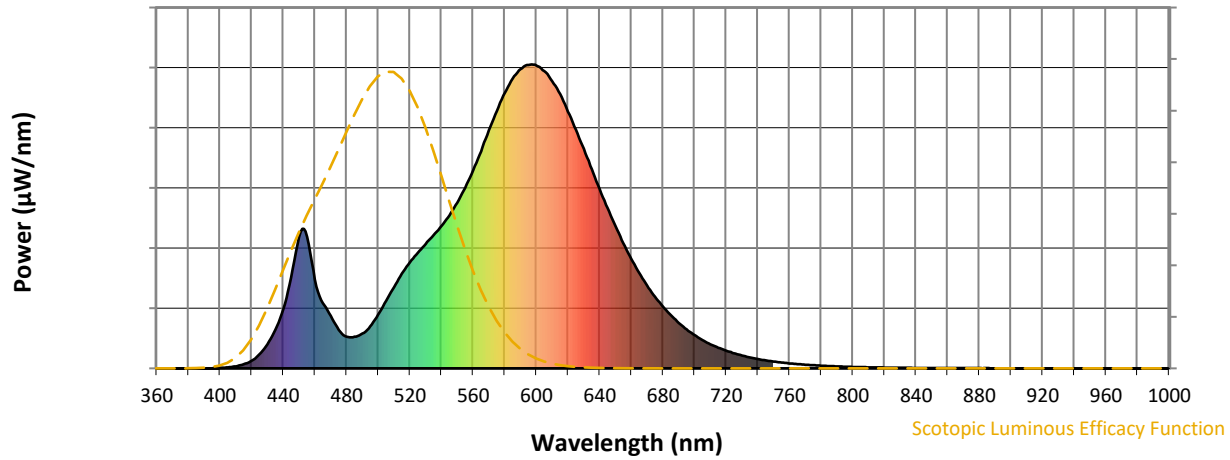


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	114	NR	620	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.14

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	114	NR	620	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.08

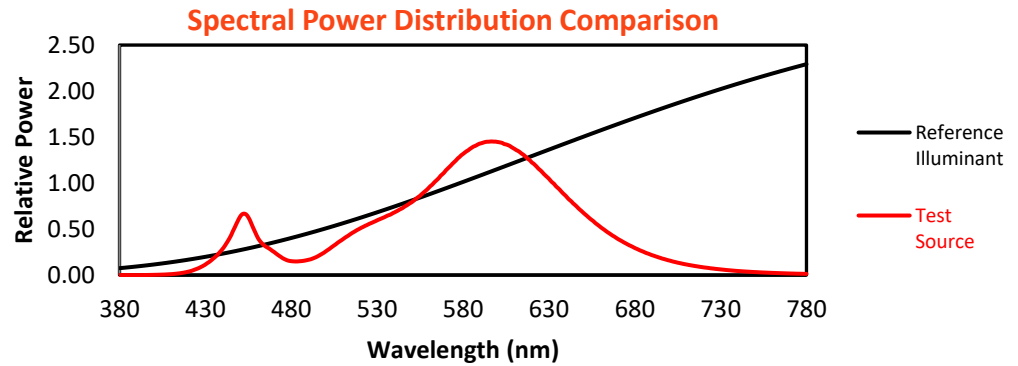
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	114	NR	620	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

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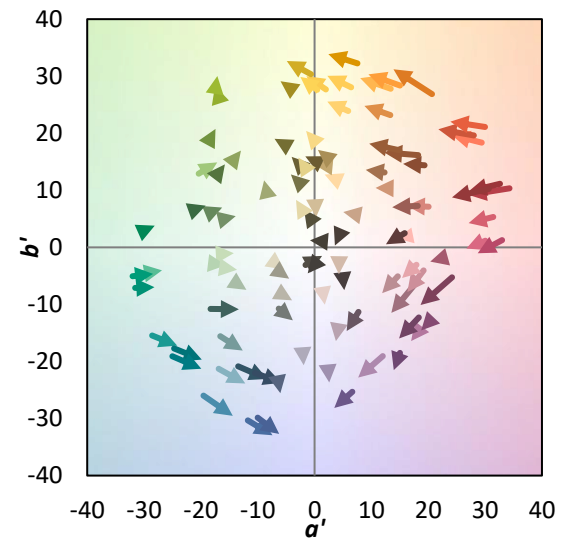
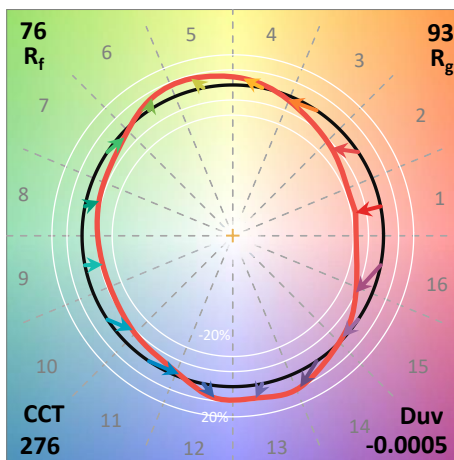
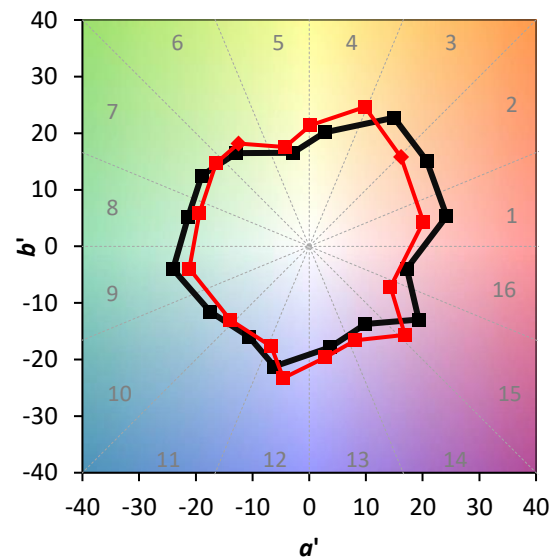
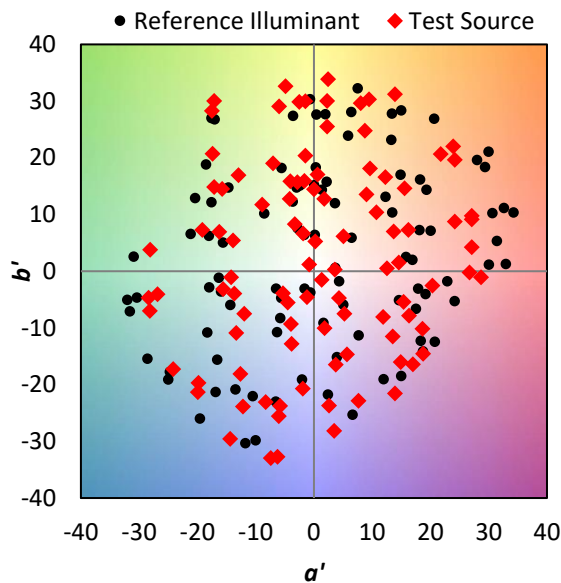
TM-30-18

Summary

$R_f = 75.7$
 $R_g = 93.2$
 $CIE R_a = 71.7$
 $R_g = -34.5$

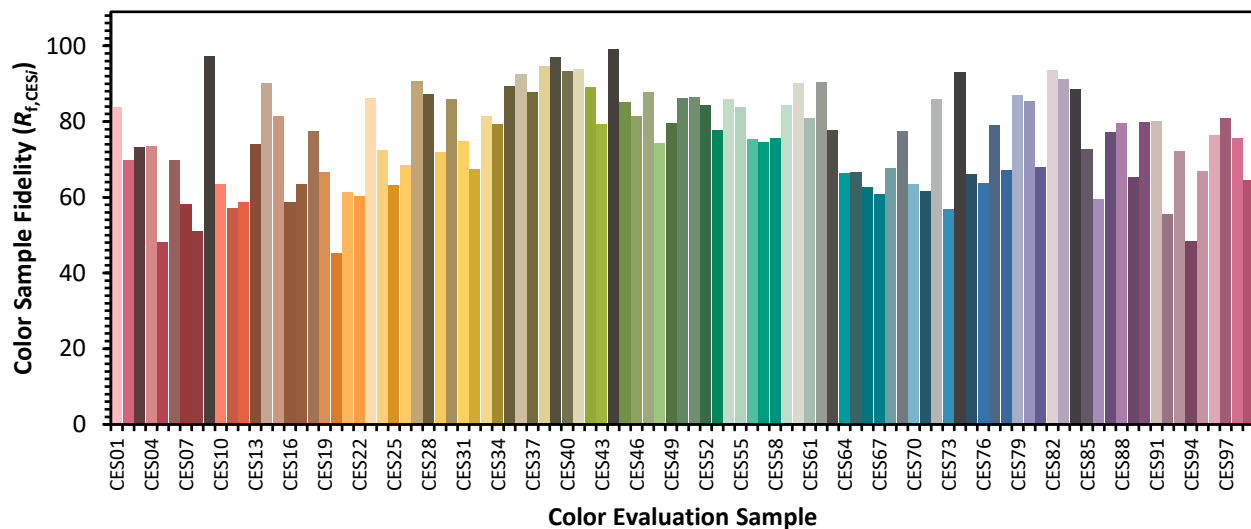


Color Vector Graphics

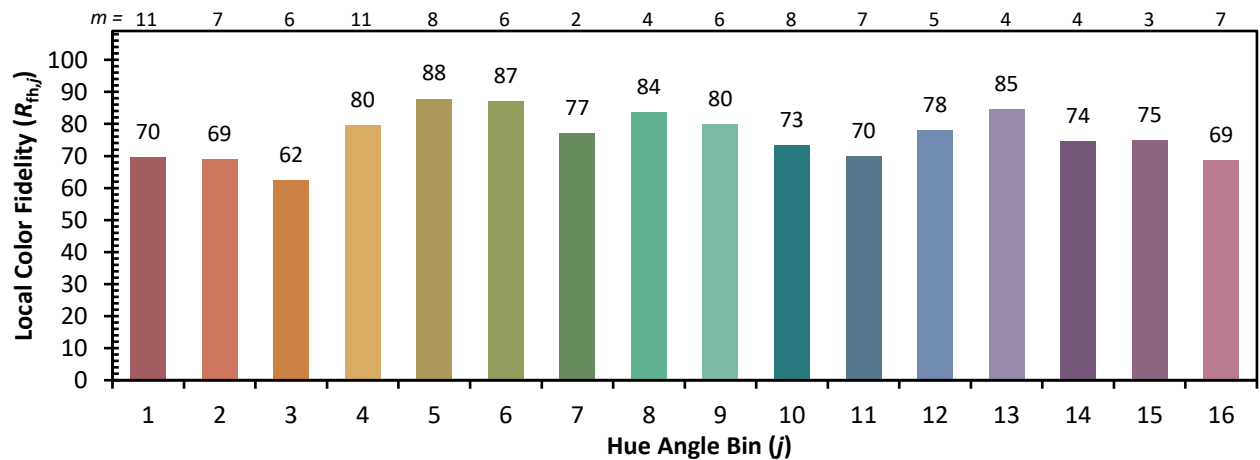


Individual Sample Fidelity Index ($R_{f,i}$)

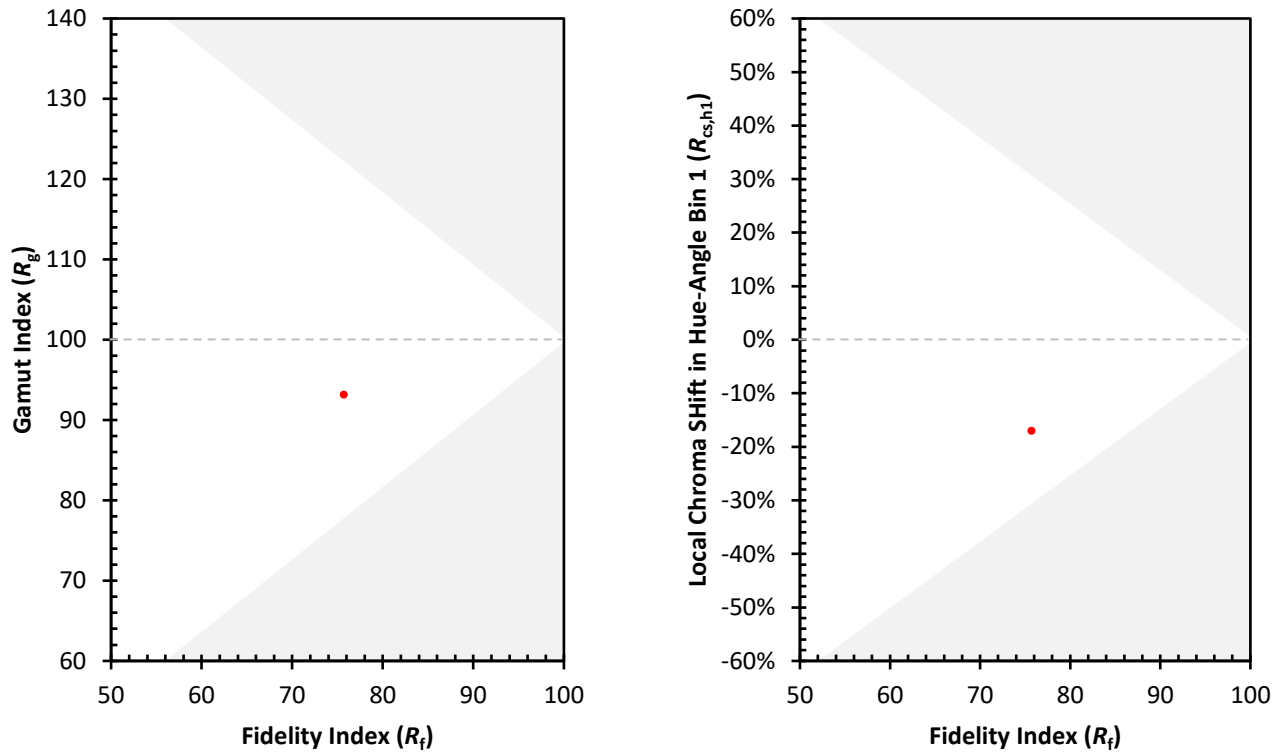
CES01 = 86	CES26 = 68	CES51 = 87	CES76 = 64
CES02 = 63	CES27 = 91	CES52 = 84	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 78	CES78 = 67
CES04 = 71	CES29 = 72	CES54 = 86	CES79 = 87
CES05 = 50	CES30 = 86	CES55 = 84	CES80 = 85
CES06 = 52	CES31 = 75	CES56 = 75	CES81 = 68
CES07 = 42	CES32 = 67	CES57 = 74	CES82 = 94
CES08 = 41	CES33 = 81	CES58 = 76	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 84	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 90	CES85 = 73
CES11 = 60	CES36 = 92	CES61 = 81	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 90	CES87 = 77
CES13 = 43	CES38 = 95	CES63 = 78	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 65
CES15 = 72	CES40 = 93	CES65 = 67	CES90 = 80
CES16 = 48	CES41 = 94	CES66 = 63	CES91 = 80
CES17 = 50	CES42 = 89	CES67 = 61	CES92 = 55
CES18 = 57	CES43 = 79	CES68 = 68	CES93 = 72
CES19 = 73	CES44 = 99	CES69 = 77	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 62	CES96 = 76
CES22 = 80	CES47 = 88	CES72 = 86	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 57	CES98 = 76
CES24 = 91	CES49 = 80	CES74 = 93	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)