

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: P972258

Luminaire Tested: **GKO-PB2D-727-U-T3**

Issue Date: 02/27/2025



Test Information

Test Method: LM-79-08
Report Number: P972258
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-T3
Description: GEKKO WALL PACK 10000LM PACKAGE 70CRI 2700K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9533.3 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

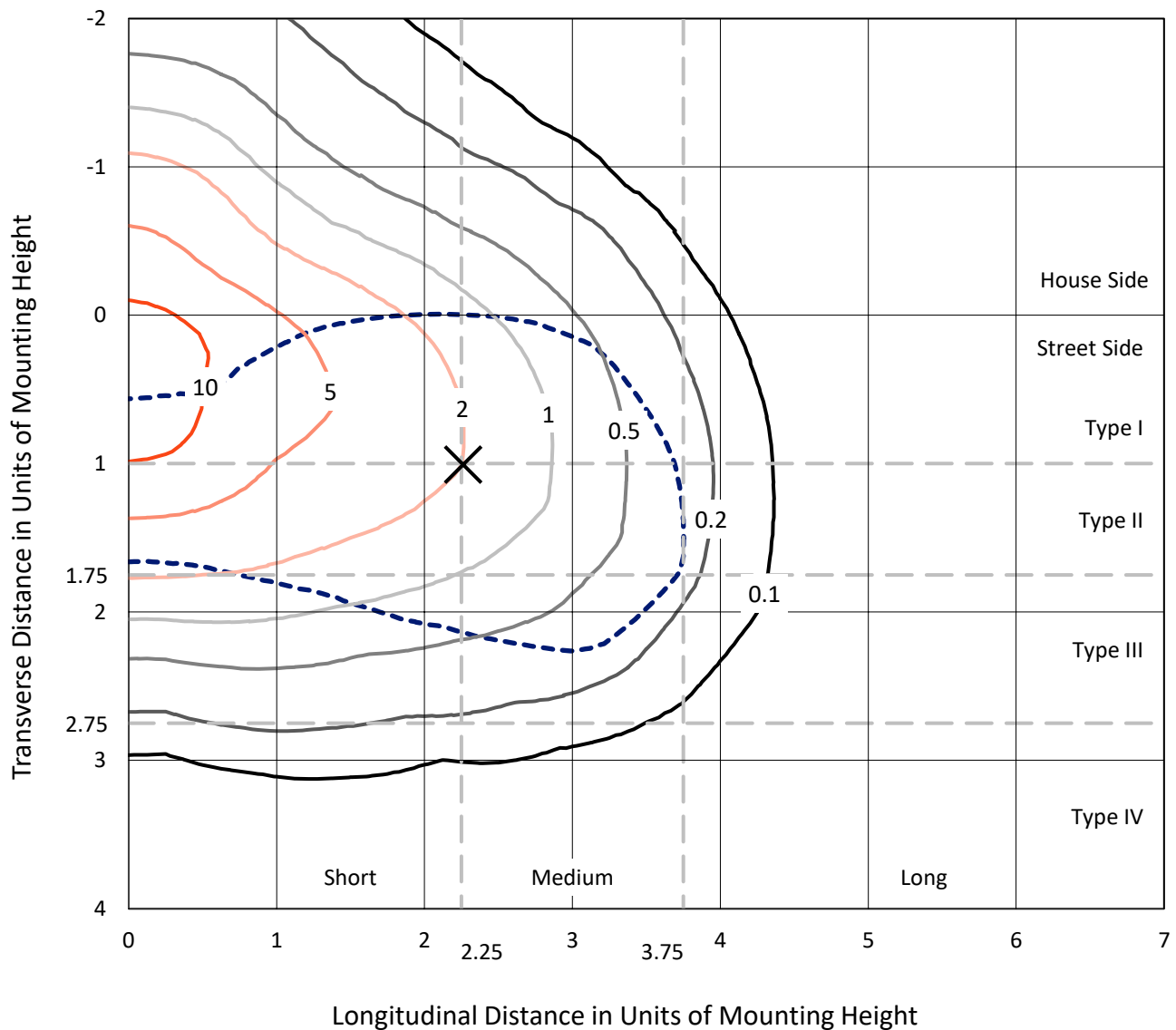
Input Watts (W): 76.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

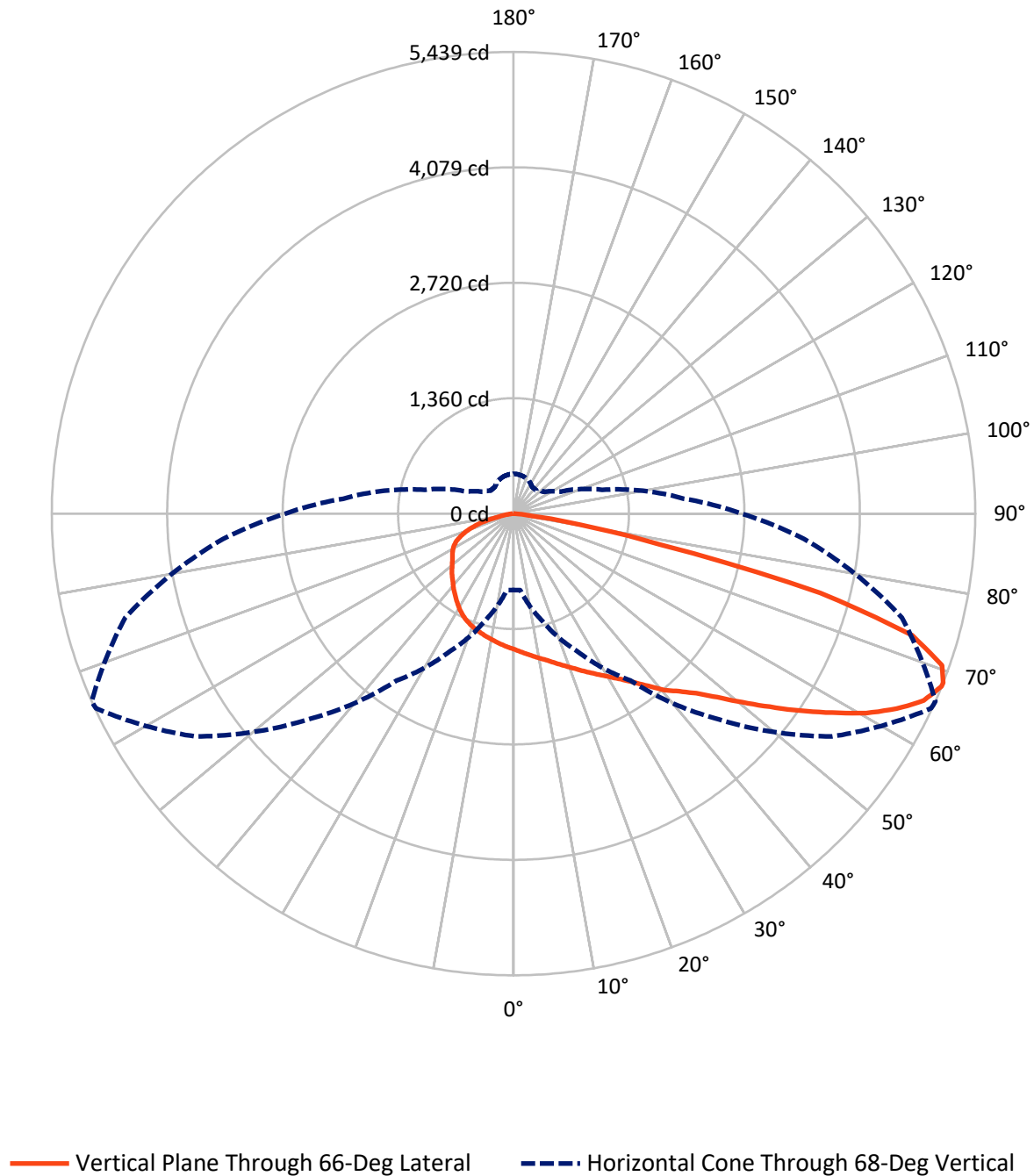


Based on 12 foot mounting height. Maximum calculated value = 12.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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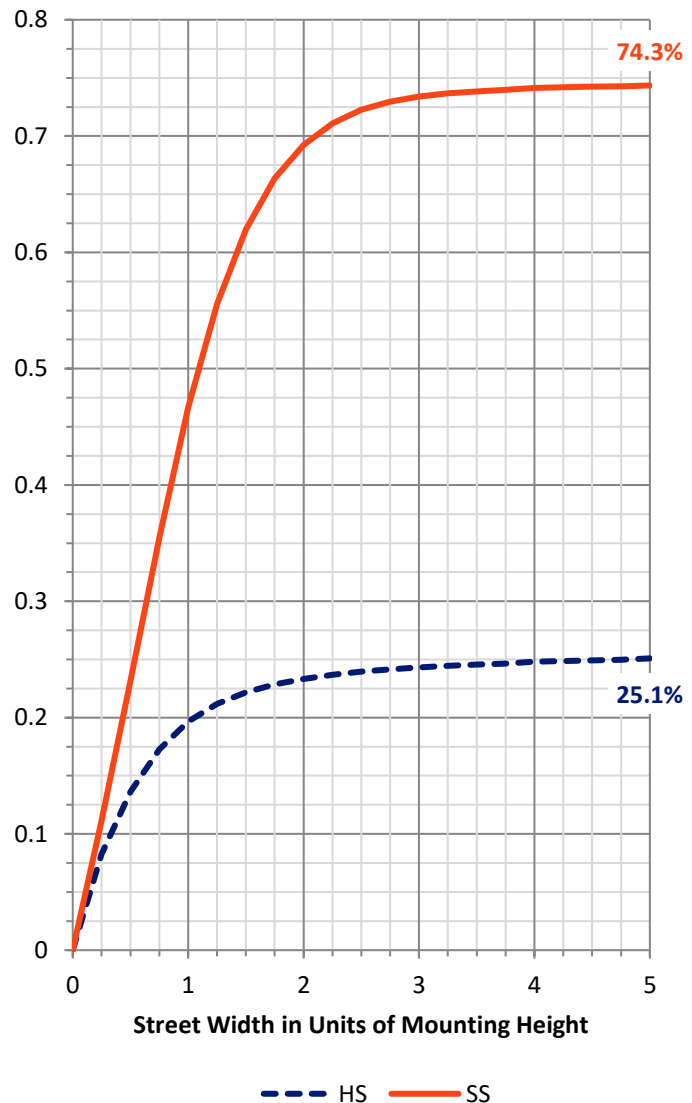
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2440.7	0.0	2440.7
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	7092.7	0.0	7092.7
	% Fixture	74.4	0.0	74.4
Total	Lumens	9533.3	0.0	9533.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.4	1.6
10°-20°	461.1	4.8
20°-30°	794.5	8.3
30°-40°	1232.5	12.9
40°-50°	1688.4	17.7
50°-60°	2014.1	21.1
60°-70°	2018.2	21.2
70°-80°	1068.0	11.2
80°-90°	103.1	1.1
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°	9533.3	100.0
0°-180°	9533.3	100.0



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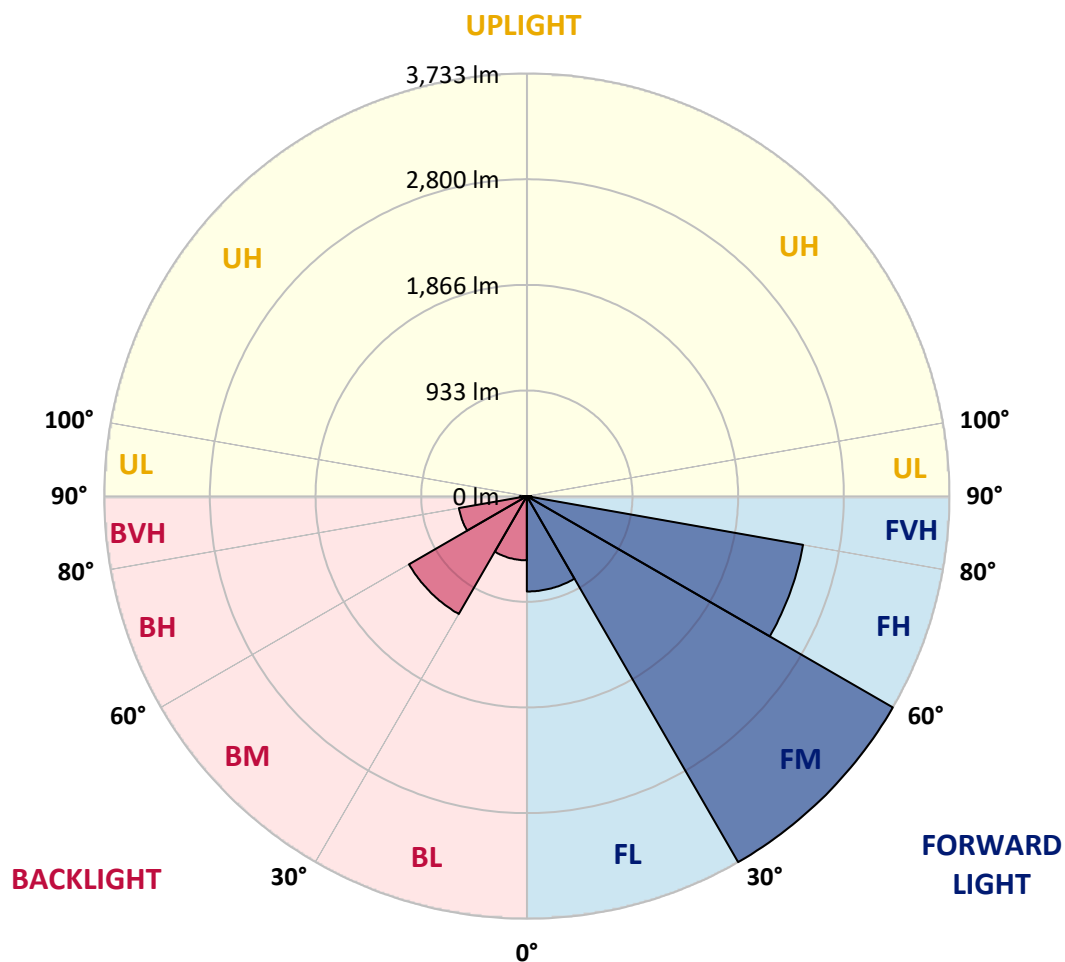
CATALOG NUMBER: GKO-PB2D-727-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	842.1	8.8			
FM	(30°-60°)	3732.8	39.2			
FH	(60°-80°)	2477.3	26.0			G2/5000
FVH	(80°-90°)	40.5	0.4			G1/100
BL	(0°-30°)	566.9	5.9	B2/1000		
BM	(30°-60°)	1202.3	12.6	B2/2500		
BH	(60°-80°)	608.9	6.4	B2/1000		G2/1000
BVH	(80°-90°)	62.6	0.7			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1598.9	1598.9	1598.9	1598.9	1598.9	1598.9	1598.9	1598.9	1598.9	1598.9	1598.9
2.5°	1665.6	1665.6	1661.9	1660.0	1658.2	1647.1	1639.7	1630.4	1630.4	1615.6	1602.7
5°	1722.9	1724.8	1717.4	1717.4	1710.0	1695.2	1680.4	1661.9	1661.9	1639.7	1613.8
7.5°	1772.9	1778.5	1771.1	1771.1	1763.7	1747.0	1722.9	1697.0	1697.0	1665.6	1628.6
10°	1821.0	1824.7	1821.0	1824.7	1813.6	1798.8	1771.1	1735.9	1734.0	1695.2	1643.4
12.5°	1859.9	1863.6	1865.4	1871.0	1861.7	1850.6	1824.7	1780.3	1774.8	1728.5	1661.9
15°	1896.9	1900.6	1906.2	1913.6	1911.7	1902.5	1878.4	1828.4	1824.7	1765.5	1685.9
17.5°	1926.5	1928.4	1939.5	1954.3	1958.0	1959.8	1933.9	1882.1	1878.4	1808.1	1711.8
20°	1969.1	1972.8	1983.9	1998.7	2009.8	2017.2	1996.8	1939.5	1935.8	1858.0	1745.1
22.5°	2065.3	2059.8	2065.3	2065.3	2070.9	2082.0	2067.2	2009.8	2002.4	1917.3	1785.9
25°	2246.7	2241.1	2226.3	2193.0	2156.0	2154.1	2137.5	2082.0	2072.7	1978.3	1824.7
27.5°	2500.2	2487.3	2459.5	2389.2	2300.3	2243.0	2217.1	2159.7	2148.6	2039.4	1861.7
30°	2768.6	2783.4	2737.1	2640.9	2478.0	2355.9	2305.9	2241.1	2231.9	2107.9	1906.2
32.5°	3081.3	3083.2	3036.9	2903.6	2692.7	2498.4	2413.2	2333.7	2326.2	2187.5	1965.4
35°	3262.7	3270.1	3249.7	3125.7	2885.1	2655.7	2542.8	2446.5	2441.0	2287.4	2039.4
37.5°	3451.4	3468.1	3436.6	3299.7	3031.3	2801.9	2687.1	2581.6	2576.1	2402.1	2131.9
40°	3730.9	3723.5	3690.2	3488.4	3168.3	2924.0	2829.6	2746.3	2733.4	2542.8	2226.3
42.5°	3932.6	3951.1	3878.9	3651.3	3318.2	3046.1	2972.1	2877.7	2861.1	2627.9	2281.8
45°	4001.1	3984.4	3904.8	3738.3	3514.4	3157.2	3107.2	3035.0	3018.4	2777.8	2391.0
47.5°	4015.9	3986.3	3915.9	3790.1	3680.9	3301.5	3271.9	3255.3	3231.2	2966.6	2522.4
50°	3925.2	3904.8	3871.5	3808.6	3788.3	3436.6	3451.4	3512.5	3492.2	3170.1	2668.6
52.5°	3719.8	3710.5	3740.1	3780.8	3727.2	3553.2	3664.3	3788.3	3780.8	3394.1	2825.9
55°	3333.0	3333.0	3499.6	3642.1	3673.5	3629.1	3893.7	4106.6	4097.3	3645.8	2975.8
57.5°	2979.5	2985.1	3123.9	3444.0	3577.3	3710.5	4149.1	4439.7	4424.9	3928.9	3133.1
60°	2533.5	2533.5	2744.5	3146.1	3438.5	3773.4	4374.9	4761.7	4770.9	4202.8	3288.6
62.5°	2006.1	2011.6	2304.0	2776.0	3238.6	3784.6	4554.4	5065.2	5063.3	4450.8	3408.9
65°	1478.7	1480.5	1878.4	2365.1	2938.8	3706.8	4652.5	5298.4	5309.5	4646.9	3479.2
67.5°	960.5	979.0	1382.4	1919.1	2515.0	3486.6	4600.7	5422.4	5435.3	4737.6	3457.0
68°	899.4	903.1	1308.4	1797.0	2400.3	3431.1	4576.6	5427.9	5439.0	4735.8	3434.8
70°	583.0	583.0	936.4	1402.8	1915.4	3085.0	4367.5	5340.9	5353.9	4654.3	3273.8
72.5°	314.6	320.2	534.8	849.4	1308.4	2387.3	3941.9	4887.5	4909.7	4208.3	2862.9
75°	220.2	223.9	310.9	475.6	712.5	1554.5	3081.3	3734.6	3730.9	2907.3	1793.3
77.5°	159.2	159.2	177.7	296.1	373.8	710.6	1524.9	1798.8	1778.5	1419.4	905.0
80°	103.6	103.6	111.0	155.5	179.5	216.5	466.4	779.1	793.9	692.1	451.6
82.5°	42.6	44.4	48.1	62.9	64.8	90.7	133.2	223.9	216.5	175.8	127.7
85°	5.6	5.6	7.4	9.3	11.1	20.4	18.5	18.5	18.5	22.2	20.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.9	3.7	5.6	5.6	7.4	5.6
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°	1598.9	1598.9	1598.9	1598.9	1598.9	1598.9	1598.9	1598.9	1598.9	1598.9	1598.9
2.5°	1598.9	1598.9	1587.8	1576.7	1565.6	1556.4	1543.4	1534.2	1536.0	1541.6	1539.7
5°	1608.2	1598.9	1576.7	1552.7	1534.2	1517.5	1493.5	1480.5	1478.7	1482.4	1480.5
7.5°	1613.8	1598.9	1565.6	1528.6	1499.0	1476.8	1443.5	1430.5	1425.0	1426.8	1426.8
10°	1624.9	1600.8	1554.5	1502.7	1465.7	1434.2	1399.1	1380.6	1375.0	1375.0	1373.2
12.5°	1637.8	1604.5	1543.4	1480.5	1432.4	1395.4	1354.7	1334.3	1328.8	1328.8	1326.9
15°	1650.8	1610.1	1532.3	1456.5	1400.9	1356.5	1317.7	1293.6	1286.2	1286.2	1289.9
17.5°	1667.4	1615.6	1521.2	1434.2	1367.6	1317.7	1276.9	1252.9	1243.6	1249.2	1252.9
20°	1684.1	1626.7	1510.1	1410.2	1334.3	1282.5	1241.8	1217.7	1208.5	1217.7	1219.6
22.5°	1708.1	1636.0	1497.2	1382.4	1301.0	1243.6	1206.6	1184.4	1178.9	1188.1	1195.5
25°	1732.2	1647.1	1480.5	1352.8	1258.4	1202.9	1173.3	1156.6	1158.5	1171.5	1178.9
27.5°	1758.1	1656.3	1463.9	1315.8	1212.2	1160.3	1138.1	1134.4	1141.8	1156.6	1165.9
30°	1789.6	1669.3	1441.6	1273.2	1160.3	1114.1	1104.8	1115.9	1128.9	1143.7	1152.9
32.5°	1830.3	1685.9	1419.4	1225.1	1106.7	1064.1	1078.9	1103.0	1117.8	1132.6	1141.8
35°	1887.6	1719.2	1406.5	1177.0	1049.3	1021.6	1054.9	1093.7	1104.8	1114.1	1125.2
37.5°	1954.3	1763.7	1400.9	1132.6	997.5	984.5	1030.8	1077.1	1080.8	1084.5	1095.6
40°	2019.0	1797.0	1386.1	1084.5	943.8	943.8	1001.2	1045.6	1043.8	1038.2	1045.6
42.5°	2045.0	1793.3	1343.6	1038.2	901.3	903.1	954.9	997.5	986.4	986.4	997.5
45°	2119.0	1822.9	1312.1	1001.2	862.4	855.0	895.7	929.0	947.5	971.6	982.7
47.5°	2213.4	1863.6	1288.0	958.6	825.4	801.3	823.5	879.1	910.5	936.4	945.7
50°	2311.4	1909.9	1265.8	914.2	788.4	740.3	751.4	812.4	840.2	853.1	858.7
52.5°	2411.4	1952.4	1249.2	877.2	745.8	668.1	692.1	749.5	769.9	777.3	781.0
55°	2500.2	1987.6	1234.4	845.7	697.7	610.7	629.2	688.4	703.2	710.6	716.2
57.5°	2594.6	2026.4	1225.1	816.1	644.0	560.7	573.7	627.4	647.7	655.1	660.7
60°	2677.9	2063.5	1217.7	784.7	594.1	516.3	523.7	575.5	597.8	601.5	607.0
62.5°	2733.4	2087.5	1206.6	745.8	547.8	473.8	475.6	525.6	549.6	553.3	557.0
65°	2748.2	2082.0	1173.3	694.0	501.5	431.2	431.2	479.3	505.2	518.2	523.7
67.5°	2703.8	2035.7	1103.0	627.4	457.1	392.3	392.3	434.9	462.7	477.5	483.0
68°	2689.0	2015.3	1080.8	610.7	446.0	383.1	383.1	427.5	453.4	466.4	470.1
70°	2563.1	1915.4	979.0	547.8	410.8	355.3	355.3	394.2	421.9	421.9	420.1
72.5°	2226.3	1660.0	805.0	459.0	359.0	314.6	320.2	357.2	366.4	375.7	373.8
75°	1378.7	993.8	540.4	362.7	301.7	275.7	286.8	320.2	325.7	346.1	340.5
77.5°	690.3	486.7	286.8	211.0	233.2	236.9	257.2	281.3	298.0	320.2	305.4
80°	340.5	236.9	168.4	131.4	136.9	174.0	223.9	242.4	272.0	286.8	273.9
82.5°	94.4	72.2	68.5	72.2	101.8	135.1	175.8	214.7	253.5	266.5	248.0
85°	16.7	13.0	11.1	35.2	70.3	99.9	142.5	190.6	227.6	218.4	205.4
87.5°	5.6	3.7	3.7	22.2	51.8	81.4	122.1	170.3	194.3	175.8	157.3
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

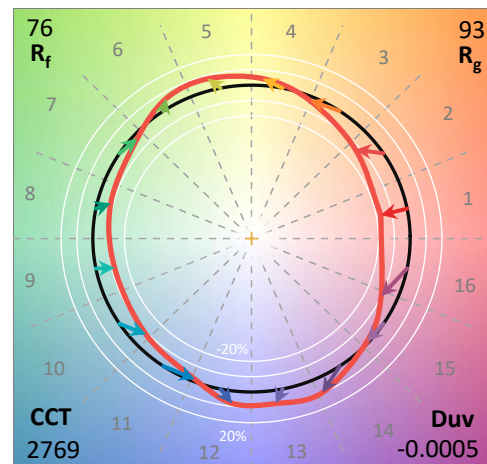
Test Information

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

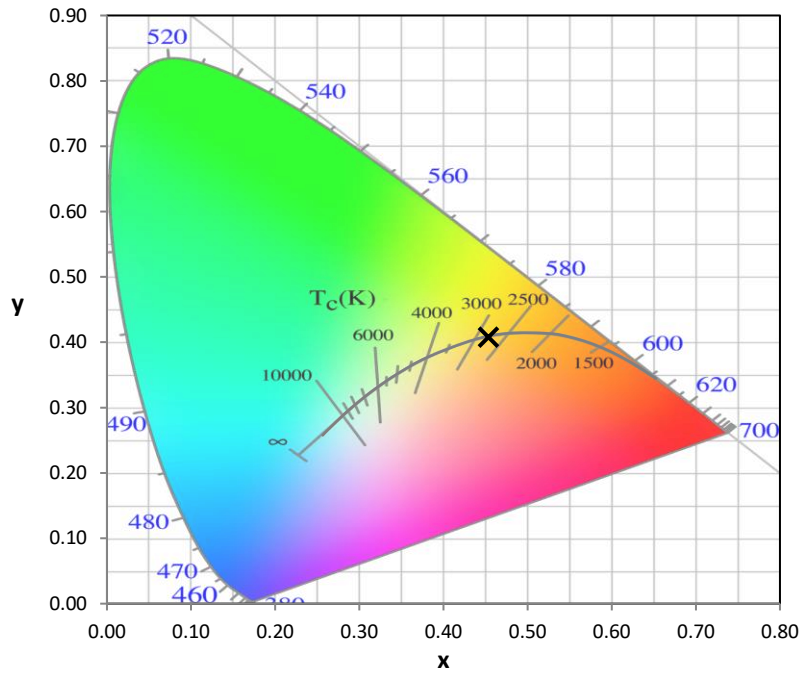
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.0

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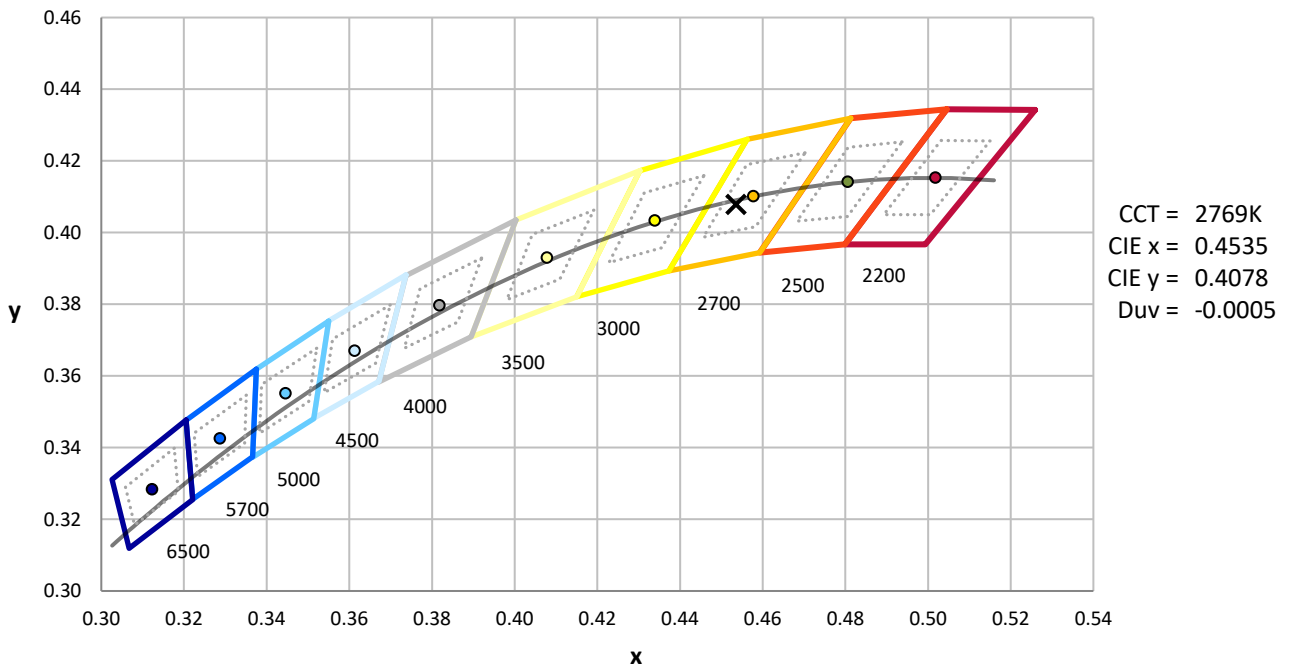
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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

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CIE 1931 Chromaticity Diagram



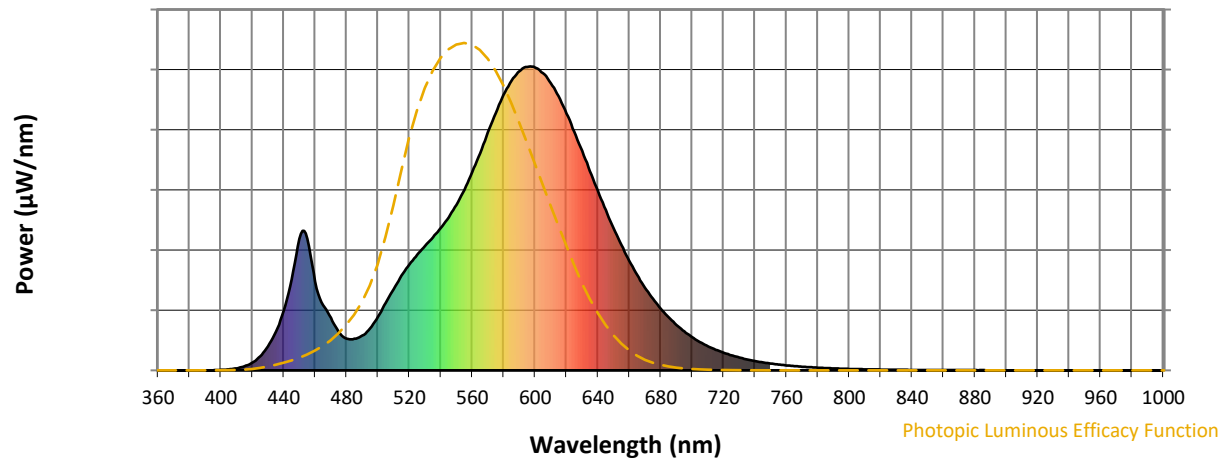
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

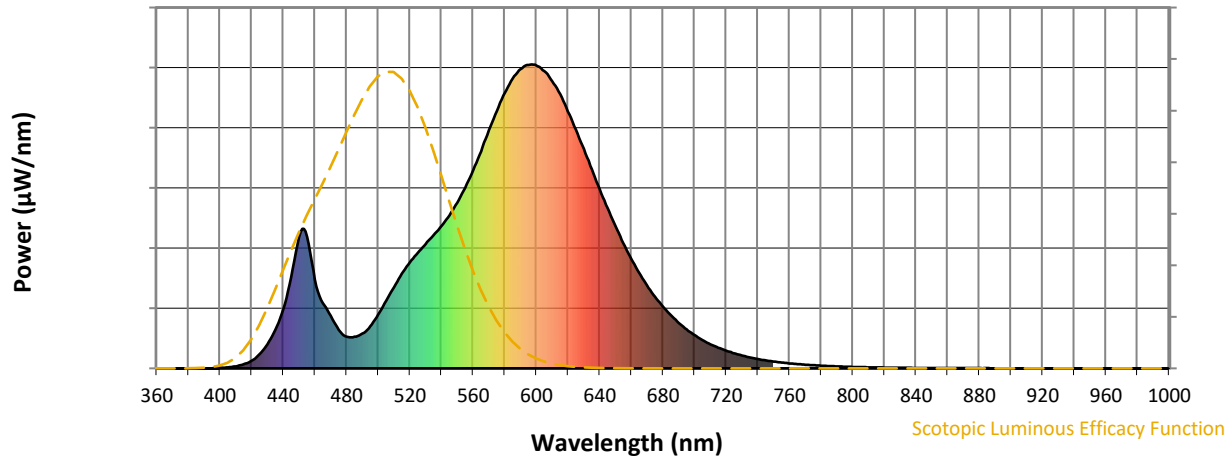


Photopic Lumens: NR

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



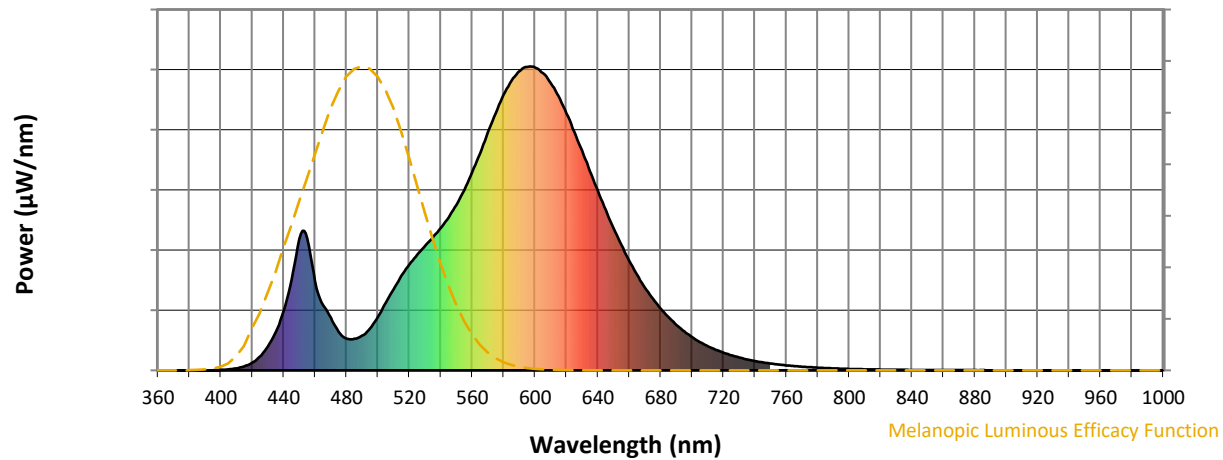
Scotopic Lumens: NR

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

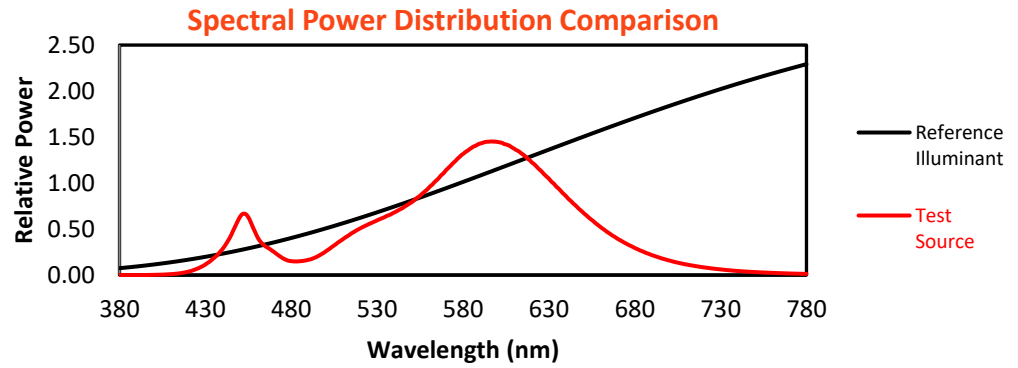
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	114	NR	620	844	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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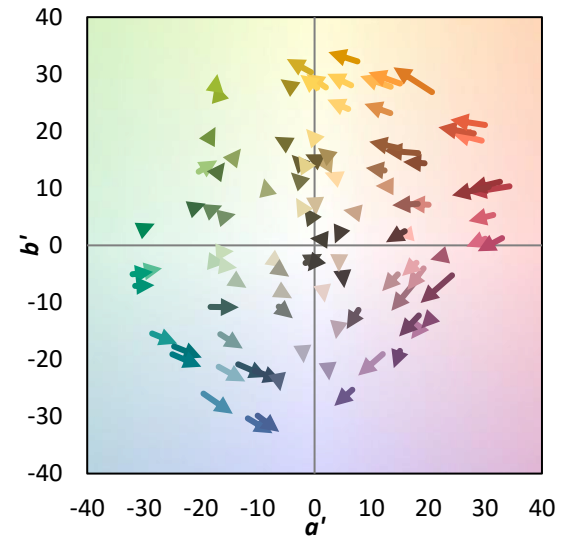
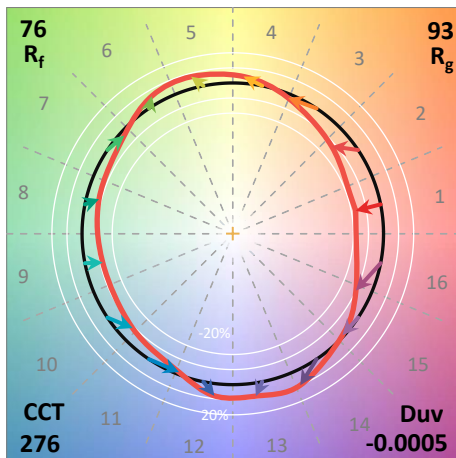
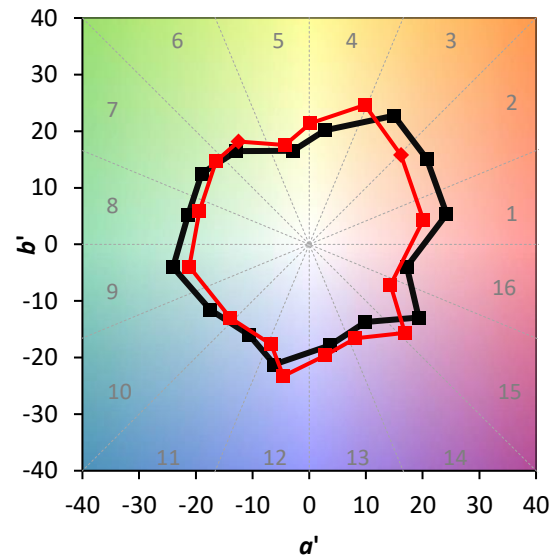
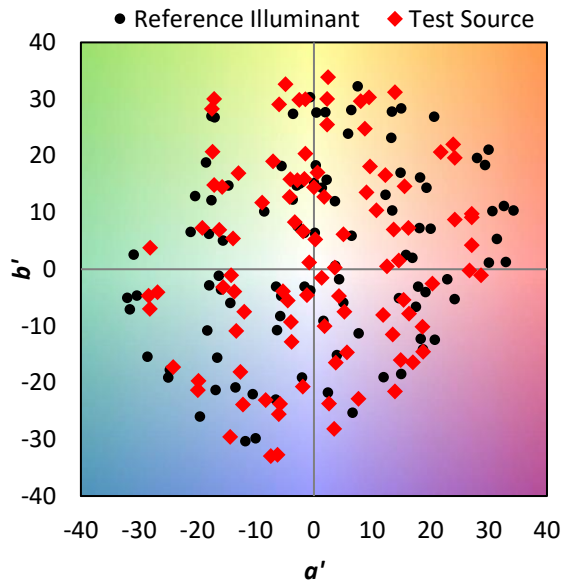
TM-30-18

Summary

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

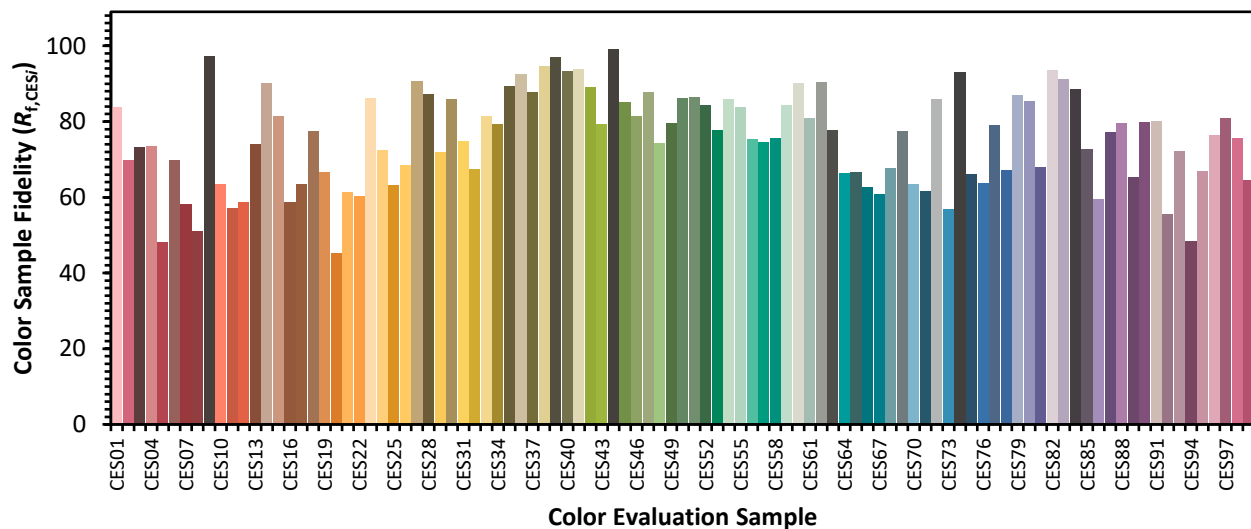


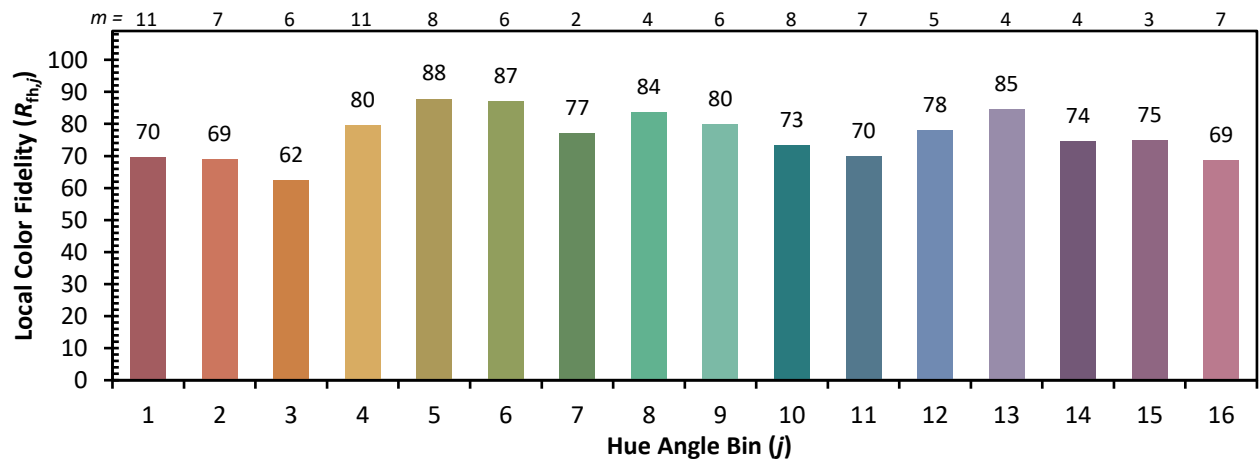
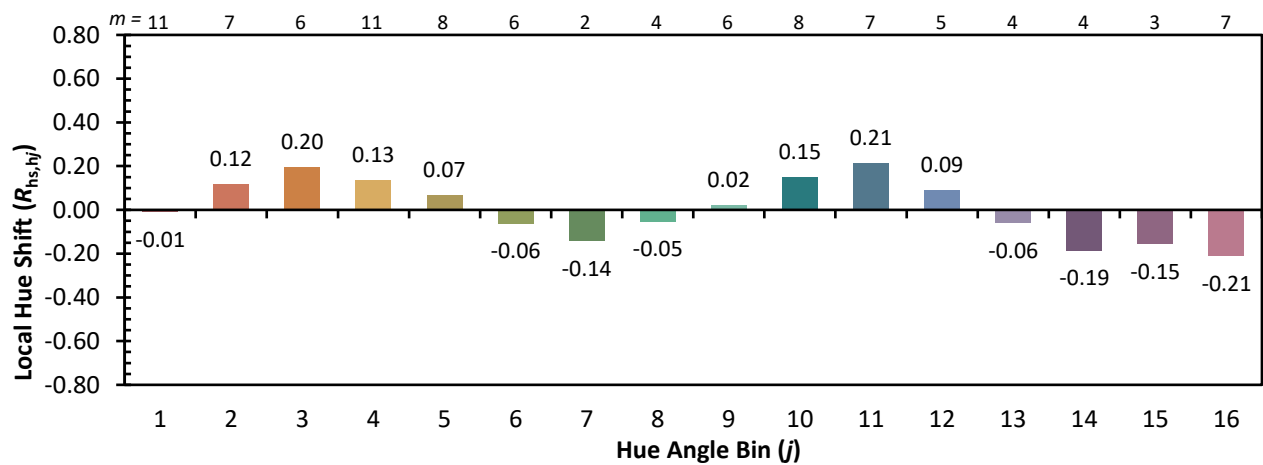
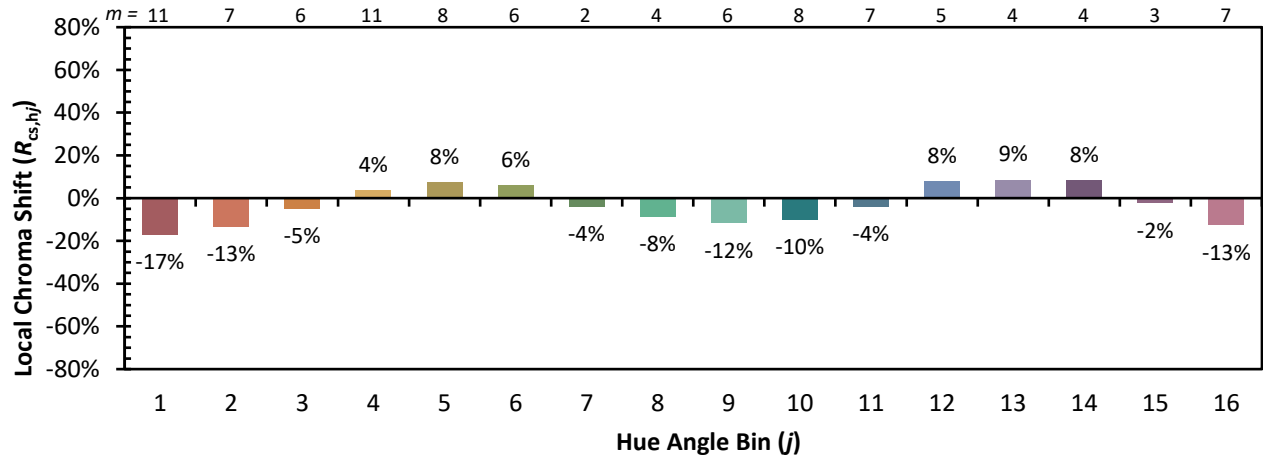
Color Vector Graphics



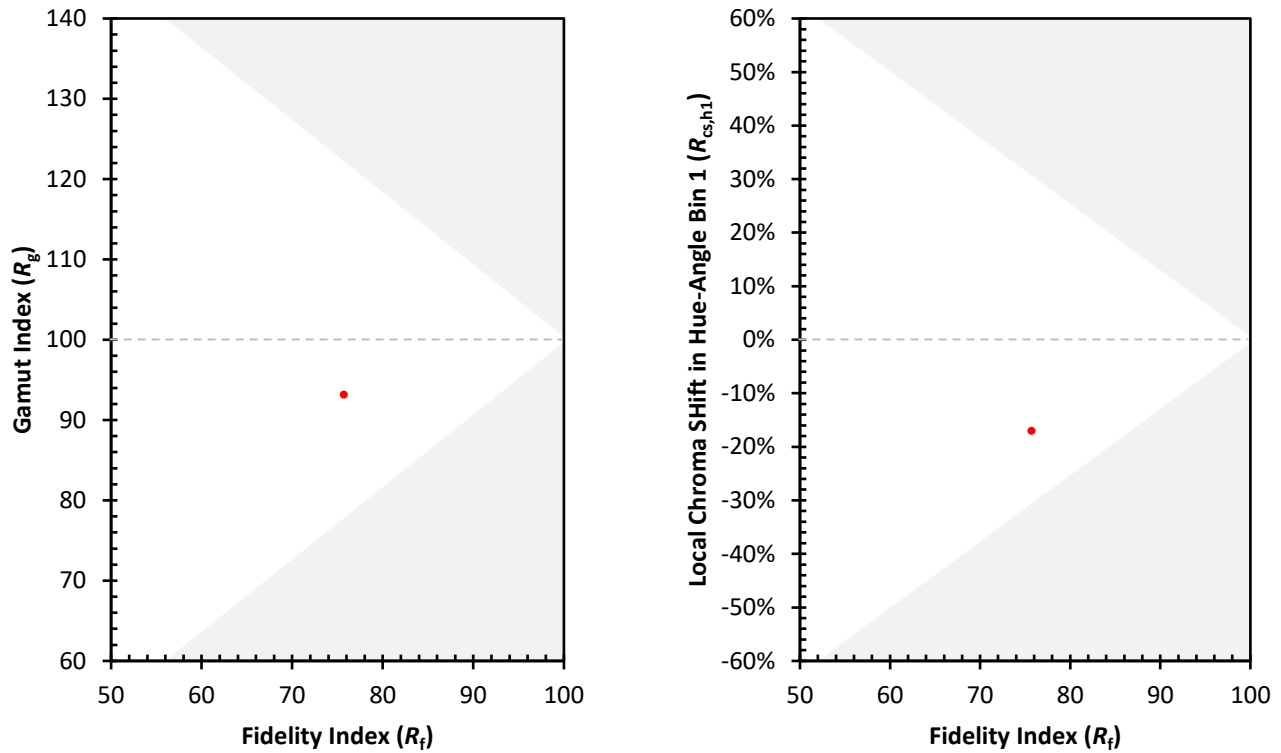
Individual Sample Fidelity Index ($R_{f,i}$)

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)