

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: P972372

Luminaire Tested: **GKO-PB1E-740-U-T2U**

Issue Date: 02/27/2025



Test Information

Test Method: LM-79-08
Report Number: P972372
Test Lab: INNOVATION CENTER(G1)
Issue Date: 02/27/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1E-740-U-T2U
Description: GEKKO WALL PACK 5000LM PACKAGE 70CRI 4000K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (10) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5170.9 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

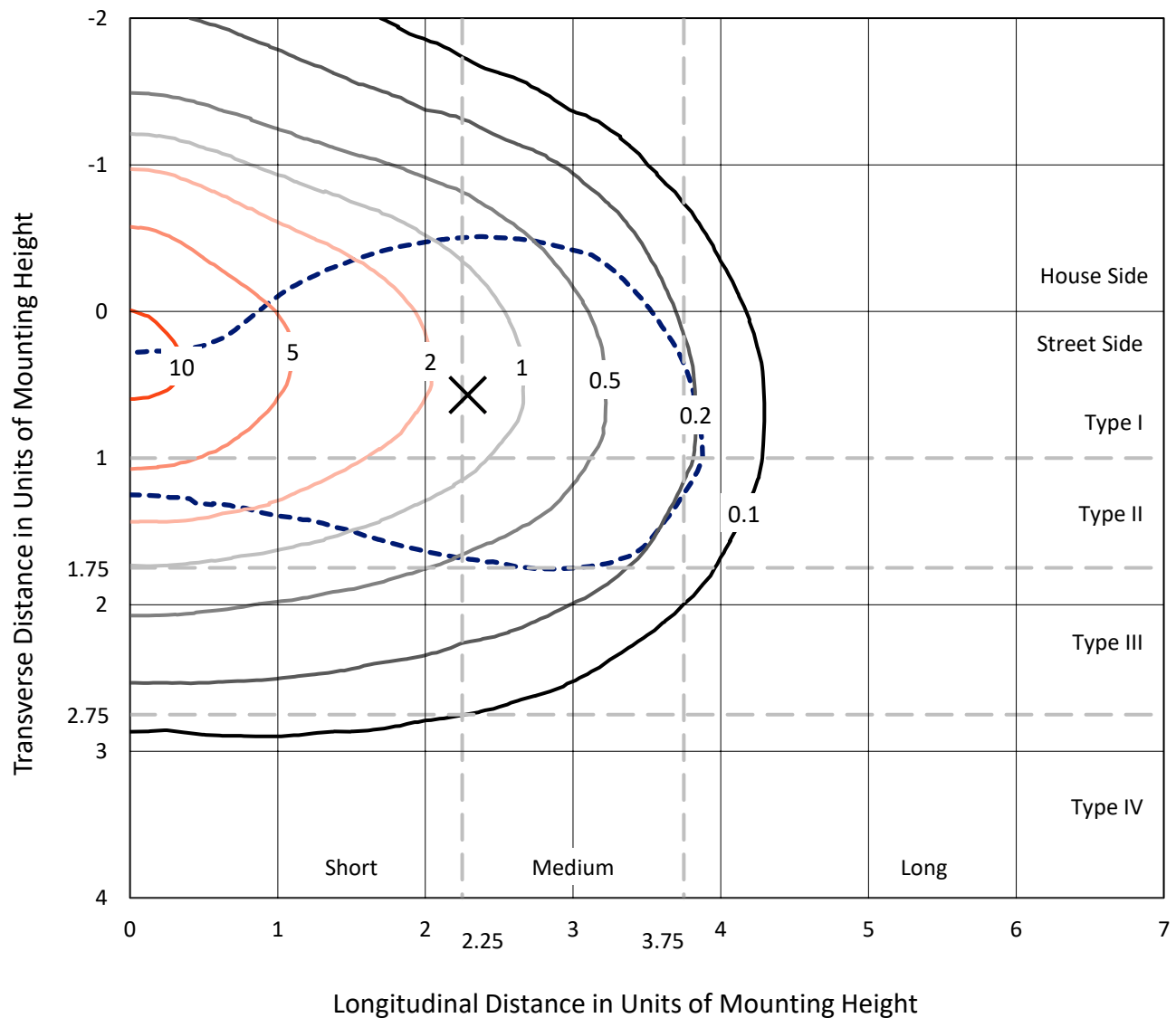
Input Watts (W): 38.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 9%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

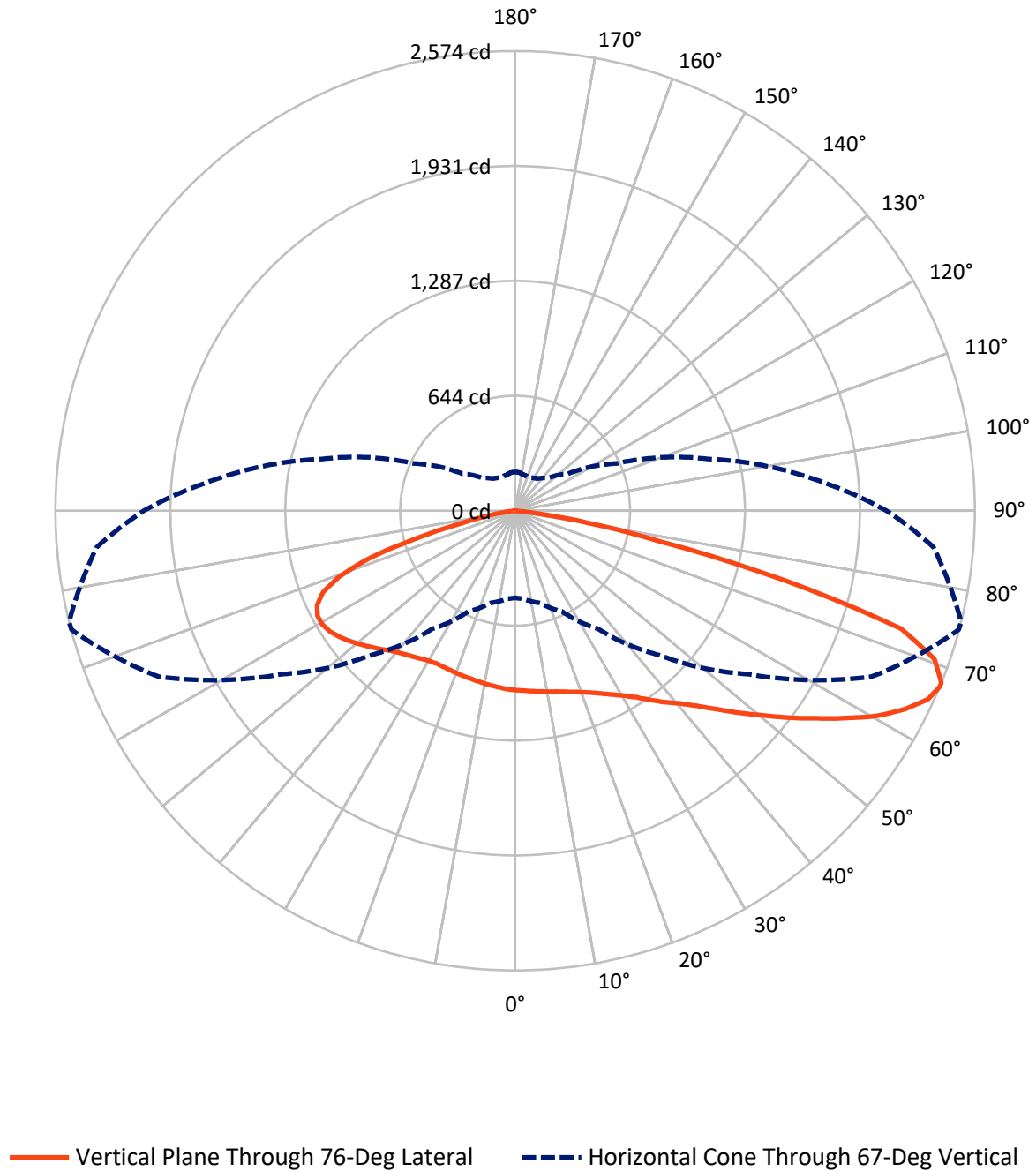


Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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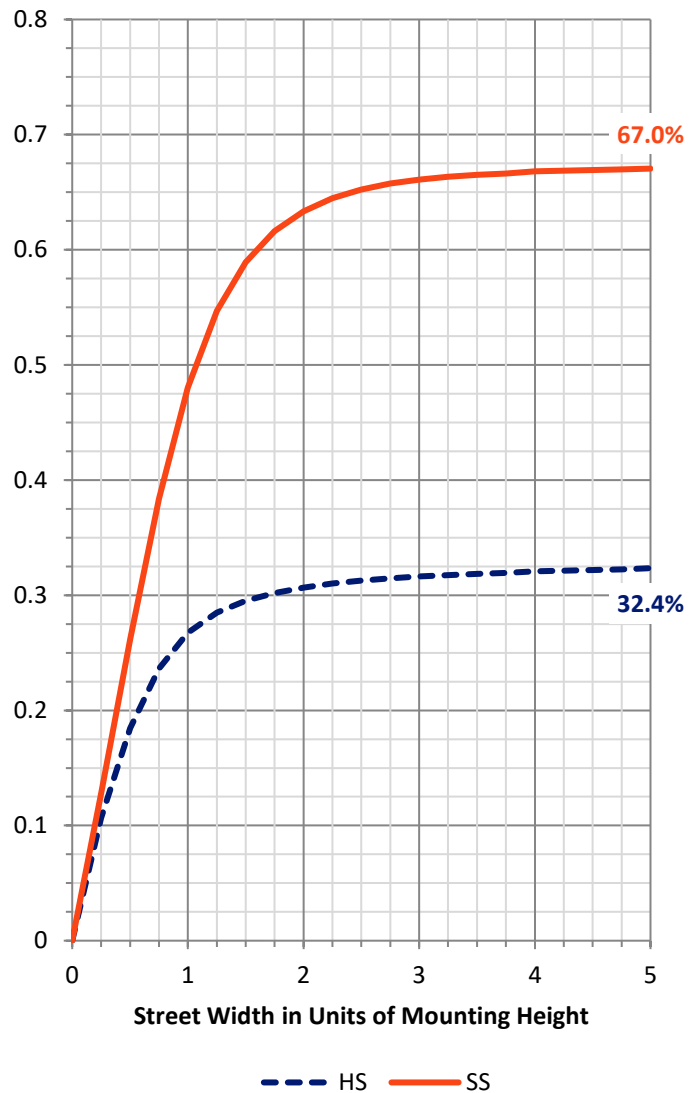
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1705.9	0.0	1705.9
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	3464.9	0.0	3464.9
	% Fixture	67.0	0.0	67.0
Total	Lumens	5170.9	0.0	5170.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.6	1.9
10°-20°	295.6	5.7
20°-30°	508.5	9.8
30°-40°	730.7	14.1
40°-50°	926.7	17.9
50°-60°	1017.6	19.7
60°-70°	986.9	19.1
70°-80°	544.9	10.5
80°-90°	63.2	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°	5170.9	100.0
0°-180°	5170.9	100.0



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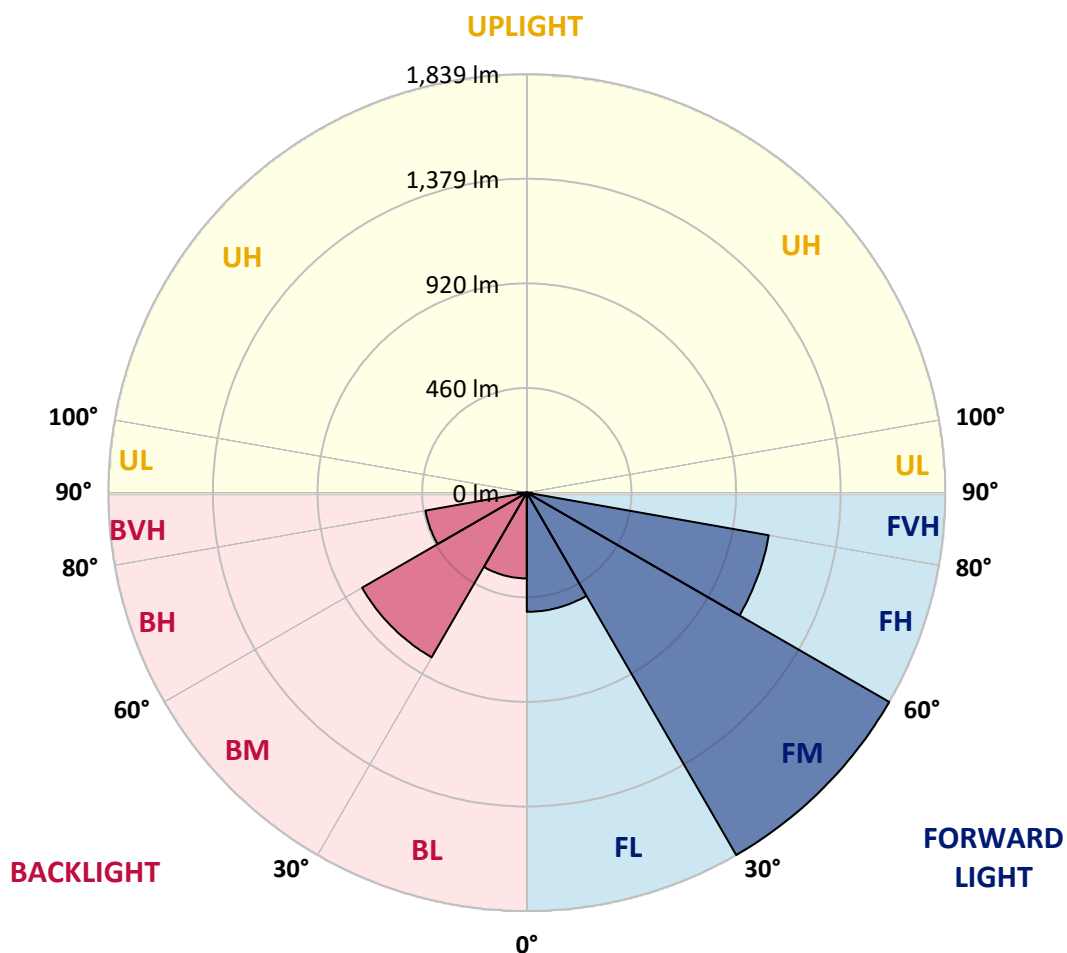
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	523.8	10.1			
FM	(30°-60°)	1839.2	35.6			
FH	(60°-80°)	1079.6	20.9			G1/1800
FVH	(80°-90°)	22.3	0.4			G1/100
BL	(0°-30°)	376.9	7.3	B1/500		
BM	(30°-60°)	836.0	16.2	B1/1000		
BH	(60°-80°)	452.2	8.7	B1/500		G1/500
BVH	(80°-90°)	40.9	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1005.2	1005.2	1005.2	1005.2	1005.2	1005.2	1005.2	1005.2	1005.2	1005.2	1005.2
2.5°	1035.2	1034.2	1033.2	1033.2	1029.2	1025.2	1021.2	1018.2	1010.2	1009.2	1005.2
5°	1066.2	1066.2	1063.2	1062.2	1056.2	1046.2	1037.2	1028.2	1017.2	1015.2	1006.2
7.5°	1106.2	1106.2	1101.2	1097.2	1088.2	1072.2	1056.2	1040.2	1024.2	1022.2	1008.2
10°	1157.2	1157.2	1153.2	1144.2	1125.2	1104.2	1078.2	1053.2	1032.2	1030.2	1010.2
12.5°	1210.2	1211.2	1205.2	1192.2	1169.2	1137.2	1105.2	1069.2	1042.2	1039.2	1014.2
15°	1264.2	1265.2	1261.2	1247.2	1216.2	1177.2	1134.2	1091.2	1055.2	1052.2	1020.2
17.5°	1317.2	1319.2	1315.2	1299.2	1263.2	1221.2	1168.2	1114.2	1071.2	1067.2	1030.2
20°	1367.2	1367.2	1367.2	1349.2	1314.2	1266.2	1205.2	1142.2	1089.2	1085.2	1042.2
22.5°	1412.2	1414.2	1417.2	1407.2	1367.2	1314.2	1248.2	1173.2	1112.2	1107.2	1057.2
25°	1457.2	1458.2	1466.2	1459.2	1420.2	1365.2	1294.2	1212.2	1140.2	1135.2	1075.2
27.5°	1509.3	1512.3	1517.3	1514.3	1470.2	1416.2	1345.2	1255.2	1171.2	1166.2	1097.2
30°	1570.3	1570.3	1573.3	1568.3	1524.3	1470.2	1396.2	1300.2	1210.2	1202.2	1124.2
32.5°	1620.3	1625.3	1623.3	1621.3	1575.3	1521.3	1448.2	1350.2	1255.2	1245.2	1161.2
35°	1667.3	1668.3	1667.3	1669.3	1623.3	1572.3	1503.3	1408.2	1305.2	1301.2	1208.2
37.5°	1694.3	1696.3	1701.3	1707.3	1666.3	1618.3	1558.3	1472.2	1367.2	1360.2	1264.2
40°	1707.3	1710.3	1737.3	1746.3	1702.3	1662.3	1616.3	1530.3	1427.2	1419.2	1320.2
42.5°	1727.3	1751.3	1765.3	1767.3	1729.3	1694.3	1666.3	1596.3	1501.2	1494.2	1395.2
45°	1661.3	1652.3	1689.3	1732.3	1730.3	1715.3	1714.3	1670.3	1592.3	1585.3	1480.2
47.5°	1578.3	1571.3	1591.3	1654.3	1699.3	1724.3	1761.3	1757.3	1702.3	1692.3	1579.3
50°	1380.2	1392.2	1490.2	1576.3	1654.3	1727.3	1801.3	1848.3	1809.3	1801.3	1684.3
52.5°	1195.2	1203.2	1270.2	1475.2	1596.3	1718.3	1836.3	1944.3	1934.3	1925.3	1799.3
55°	1065.2	1073.2	1180.2	1311.2	1510.3	1672.3	1859.3	2035.3	2061.3	2052.3	1921.3
57.5°	929.2	942.2	1015.2	1130.2	1395.2	1596.3	1867.3	2127.4	2199.4	2191.4	2038.3
60°	798.1	816.1	859.1	984.2	1253.2	1506.3	1846.3	2201.4	2332.4	2332.4	2159.4
62.5°	677.1	687.1	732.1	845.1	1073.2	1391.2	1793.3	2248.4	2454.4	2449.4	2265.4
65°	577.1	582.1	618.1	715.1	922.2	1264.2	1701.3	2245.4	2541.4	2542.4	2335.4
67°	487.1	495.1	535.1	623.1	807.1	1144.2	1595.3	2200.4	2572.4	2574.4	2352.4
67.5°	456.1	465.1	509.1	600.1	783.1	1111.2	1570.3	2181.4	2570.4	2574.4	2347.4
70°	314.1	316.1	390.1	494.1	644.1	936.2	1397.2	2049.3	2494.4	2491.4	2238.4
72.5°	200.0	197.0	268.0	361.1	518.1	758.1	1179.2	1818.3	2263.4	2260.4	1973.3
75°	133.0	136.0	181.0	258.0	364.1	586.1	919.2	1372.2	1572.3	1560.3	1302.2
77.5°	95.0	93.0	112.0	186.0	244.0	356.1	499.1	730.1	835.1	835.1	715.1
80°	52.0	53.0	61.0	103.0	138.0	139.0	187.0	366.1	408.1	417.1	347.1
82.5°	15.0	16.0	22.0	35.0	38.0	42.0	65.0	105.0	110.0	116.0	94.0
85°	0.0	0.0	0.0	1.0	4.0	5.0	5.0	6.0	10.0	10.0	11.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	4.0	4.0	5.0
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°	1005.2	1005.2	1005.2	1005.2	1005.2	1005.2	1005.2	1005.2	1005.2	1005.2	1005.2
2.5°	1004.2	1005.2	1001.2	996.2	992.2	990.2	984.2	979.2	982.2	985.2	985.2
5°	1003.2	1002.2	994.2	985.2	979.2	975.2	965.2	958.2	959.2	962.2	961.2
7.5°	1003.2	999.2	988.2	975.2	965.2	957.2	944.2	936.2	935.2	937.2	935.2
10°	1004.2	997.2	982.2	964.2	950.2	938.2	922.2	913.2	910.2	911.2	909.2
12.5°	1006.2	995.2	976.2	953.2	935.2	919.2	901.1	890.1	888.1	890.1	890.1
15°	1009.2	995.2	971.2	943.2	919.2	901.1	883.1	873.1	873.1	874.1	874.1
17.5°	1015.2	998.2	967.2	932.2	903.2	883.1	867.1	860.1	861.1	864.1	864.1
20°	1021.2	1002.2	963.2	921.2	889.1	866.1	853.1	848.1	852.1	856.1	856.1
22.5°	1030.2	1007.2	959.2	911.2	873.1	850.1	839.1	835.1	839.1	844.1	842.1
25°	1044.2	1016.2	956.2	902.2	858.1	833.1	822.1	818.1	820.1	824.1	824.1
27.5°	1060.2	1027.2	955.2	891.1	840.1	813.1	800.1	794.1	794.1	795.1	796.1
30°	1087.2	1046.2	959.2	883.1	824.1	792.1	775.1	766.1	765.1	769.1	769.1
32.5°	1119.2	1072.2	969.2	876.1	808.1	767.1	744.1	737.1	735.1	738.1	735.1
35°	1155.2	1101.2	982.2	875.1	792.1	740.1	714.1	706.1	700.1	698.1	696.1
37.5°	1206.2	1141.2	995.2	870.1	776.1	711.1	683.1	666.1	659.1	657.1	657.1
40°	1256.2	1180.2	1011.2	862.1	757.1	682.1	642.1	623.1	620.1	620.1	620.1
42.5°	1319.2	1231.2	1033.2	857.1	734.1	653.1	598.1	576.1	576.1	576.1	575.1
45°	1397.2	1298.2	1061.2	855.1	712.1	618.1	551.1	522.1	521.1	520.1	519.1
47.5°	1488.2	1368.2	1088.2	850.1	686.1	576.1	497.1	465.1	458.1	456.1	453.1
50°	1582.3	1444.2	1117.2	843.1	655.1	527.1	446.1	409.1	394.1	389.1	391.1
52.5°	1682.3	1518.3	1145.2	833.1	618.1	478.1	394.1	355.1	340.1	334.1	333.1
55°	1780.3	1593.3	1171.2	820.1	578.1	428.1	350.1	312.1	299.0	297.0	297.0
57.5°	1879.3	1665.3	1191.2	801.1	534.1	384.1	312.1	281.0	272.0	276.0	276.0
60°	1969.3	1728.3	1201.2	775.1	490.1	344.1	282.0	259.0	255.0	265.0	264.0
62.5°	2050.3	1770.3	1196.2	737.1	447.1	310.1	259.0	242.0	243.0	255.0	256.0
65°	2089.3	1777.3	1167.2	685.1	399.1	281.0	235.0	219.0	221.0	234.0	237.0
67°	2080.3	1750.3	1119.2	626.1	360.1	259.0	220.0	204.0	205.0	216.0	217.0
67.5°	2070.3	1737.3	1106.2	608.1	350.1	255.0	216.0	201.0	203.0	213.0	213.0
70°	1937.3	1605.3	986.2	516.1	303.1	227.0	197.0	187.0	189.0	195.0	195.0
72.5°	1693.3	1390.2	798.1	414.1	257.0	201.0	178.0	172.0	172.0	172.0	167.0
75°	1080.2	871.1	522.1	317.1	212.0	172.0	160.0	153.0	149.0	155.0	153.0
77.5°	597.1	455.1	272.0	182.0	153.0	143.0	139.0	136.0	135.0	149.0	145.0
80°	283.0	225.0	153.0	104.0	88.0	106.0	120.0	118.0	141.0	193.0	194.0
82.5°	90.0	74.0	62.0	57.0	59.0	76.0	93.0	107.0	183.0	207.0	204.0
85°	11.0	10.0	7.0	23.0	39.0	56.0	72.0	139.0	168.0	140.0	132.0
87.5°	4.0	4.0	4.0	16.0	30.0	43.0	65.0	140.0	103.0	94.0	86.0
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: SP2-2501-321-1

Test Date: 04/09/2025

Luminaire Tested: GKO-PB1E-740-U-T4W

Data in this report applies to families of products including GKO-PB1E-740-U-T4W

Test Information

Test Method: LM-79-2019
 Report Number: SP2-2501-321-1
 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-740-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	3916	CRI (Ra):	71.0		
CIE u':	0.2259	R1:	67.4	R9:	-37.9
CIE v':	0.5049	R2:	78.3	R10:	48.9
Duv:	0.0014	R3:	87.2	R11:	64.6
CIE x:	0.3853	R4:	69.5	R12:	40.9
CIE y:	0.3827	R5:	67.2	R13:	69.2
CIE z:	0.2321	R6:	69.3	R14:	92.7
Peak Wavelength (nm):	449	R7:	79.9	R15:	59.8
Dominant Wavelength (nm):	578	R8:	48.9		
Purity:	30.46652				
Rf:	73.5				
Rg:	93.5				



Test Conditions

Stabilization Time: 33M
 Operation Time: 1H 33M
 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 4000K 4-step quadrangle

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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	132	NR	620	668	NR	750	17	NR	880	1	NR
365	0	NR	495	174	NR	625	611	NR	755	15	NR	885	0	NR
370	0	NR	500	238	NR	630	554	NR	760	13	NR	890	0	NR
375	0	NR	505	314	NR	635	498	NR	765	11	NR	895	0	NR
380	0	NR	510	392	NR	640	445	NR	770	10	NR	900	0	NR
385	1	NR	515	467	NR	645	394	NR	775	8	NR	905	0	NR
390	2	NR	520	526	NR	650	347	NR	780	7	NR	910	0	NR
395	4	NR	525	575	NR	655	305	NR	785	6	NR	915	0	NR
400	6	NR	530	613	NR	660	266	NR	790	5	NR	920	0	NR
405	10	NR	535	644	NR	665	231	NR	795	5	NR	925	0	NR
410	18	NR	540	673	NR	670	200	NR	800	4	NR	930	0	NR
415	34	NR	545	703	NR	675	174	NR	805	4	NR	935	0	NR
420	66	NR	550	734	NR	680	150	NR	810	3	NR	940	0	NR
425	124	NR	555	768	NR	685	129	NR	815	3	NR	945	0	NR
430	216	NR	560	804	NR	690	111	NR	820	2	NR	950	0	NR
435	352	NR	565	838	NR	695	95	NR	825	2	NR	955	0	NR
440	548	NR	570	872	NR	700	81	NR	830	2	NR	960	0	NR
445	836	NR	575	896	NR	705	69	NR	835	2	NR	965	0	NR
450	997	NR	580	913	NR	710	60	NR	840	1	NR	970	0	NR
455	705	NR	585	917	NR	715	51	NR	845	1	NR	975	0	NR
460	429	NR	590	911	NR	720	44	NR	850	1	NR	980	0	NR
465	316	NR	595	891	NR	725	38	NR	855	1	NR	985	0	NR
470	213	NR	600	862	NR	730	32	NR	860	1	NR	990	0	NR
475	143	NR	605	822	NR	735	28	NR	865	1	NR	995	0	NR
480	121	NR	610	776	NR	740	24	NR	870	1	NR	1000	0	NR
485	118	NR	615	725	NR	745	20	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.49

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	132	NR	620	668	NR	750	17	NR	880	1	NR
365	0	NR	495	174	NR	625	611	NR	755	15	NR	885	0	NR
370	0	NR	500	238	NR	630	554	NR	760	13	NR	890	0	NR
375	0	NR	505	314	NR	635	498	NR	765	11	NR	895	0	NR
380	0	NR	510	392	NR	640	445	NR	770	10	NR	900	0	NR
385	1	NR	515	467	NR	645	394	NR	775	8	NR	905	0	NR
390	2	NR	520	526	NR	650	347	NR	780	7	NR	910	0	NR
395	4	NR	525	575	NR	655	305	NR	785	6	NR	915	0	NR
400	6	NR	530	613	NR	660	266	NR	790	5	NR	920	0	NR
405	10	NR	535	644	NR	665	231	NR	795	5	NR	925	0	NR
410	18	NR	540	673	NR	670	200	NR	800	4	NR	930	0	NR
415	34	NR	545	703	NR	675	174	NR	805	4	NR	935	0	NR
420	66	NR	550	734	NR	680	150	NR	810	3	NR	940	0	NR
425	124	NR	555	768	NR	685	129	NR	815	3	NR	945	0	NR
430	216	NR	560	804	NR	690	111	NR	820	2	NR	950	0	NR
435	352	NR	565	838	NR	695	95	NR	825	2	NR	955	0	NR
440	548	NR	570	872	NR	700	81	NR	830	2	NR	960	0	NR
445	836	NR	575	896	NR	705	69	NR	835	2	NR	965	0	NR
450	997	NR	580	913	NR	710	60	NR	840	1	NR	970	0	NR
455	705	NR	585	917	NR	715	51	NR	845	1	NR	975	0	NR
460	429	NR	590	911	NR	720	44	NR	850	1	NR	980	0	NR
465	316	NR	595	891	NR	725	38	NR	855	1	NR	985	0	NR
470	213	NR	600	862	NR	730	32	NR	860	1	NR	990	0	NR
475	143	NR	605	822	NR	735	28	NR	865	1	NR	995	0	NR
480	121	NR	610	776	NR	740	24	NR	870	1	NR	1000	0	NR
485	118	NR	615	725	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.88

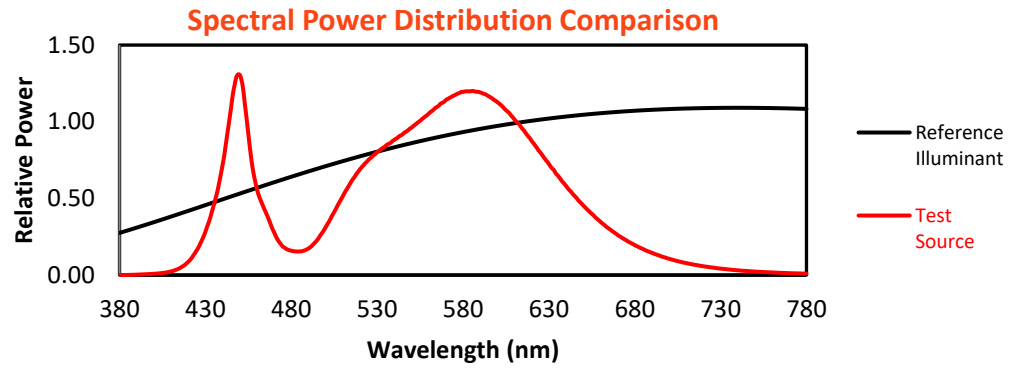
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	132	NR	620	668	NR	750	17	NR	880	1	NR
365	0	NR	495	174	NR	625	611	NR	755	15	NR	885	0	NR
370	0	NR	500	238	NR	630	554	NR	760	13	NR	890	0	NR
375	0	NR	505	314	NR	635	498	NR	765	11	NR	895	0	NR
380	0	NR	510	392	NR	640	445	NR	770	10	NR	900	0	NR
385	1	NR	515	467	NR	645	394	NR	775	8	NR	905	0	NR
390	2	NR	520	526	NR	650	347	NR	780	7	NR	910	0	NR
395	4	NR	525	575	NR	655	305	NR	785	6	NR	915	0	NR
400	6	NR	530	613	NR	660	266	NR	790	5	NR	920	0	NR
405	10	NR	535	644	NR	665	231	NR	795	5	NR	925	0	NR
410	18	NR	540	673	NR	670	200	NR	800	4	NR	930	0	NR
415	34	NR	545	703	NR	675	174	NR	805	4	NR	935	0	NR
420	66	NR	550	734	NR	680	150	NR	810	3	NR	940	0	NR
425	124	NR	555	768	NR	685	129	NR	815	3	NR	945	0	NR
430	216	NR	560	804	NR	690	111	NR	820	2	NR	950	0	NR
435	352	NR	565	838	NR	695	95	NR	825	2	NR	955	0	NR
440	548	NR	570	872	NR	700	81	NR	830	2	NR	960	0	NR
445	836	NR	575	896	NR	705	69	NR	835	2	NR	965	0	NR
450	997	NR	580	913	NR	710	60	NR	840	1	NR	970	0	NR
455	705	NR	585	917	NR	715	51	NR	845	1	NR	975	0	NR
460	429	NR	590	911	NR	720	44	NR	850	1	NR	980	0	NR
465	316	NR	595	891	NR	725	38	NR	855	1	NR	985	0	NR
470	213	NR	600	862	NR	730	32	NR	860	1	NR	990	0	NR
475	143	NR	605	822	NR	735	28	NR	865	1	NR	995	0	NR
480	121	NR	610	776	NR	740	24	NR	870	1	NR	1000	0	NR
485	118	NR	615	725	NR	745	20	NR	875	1	NR			

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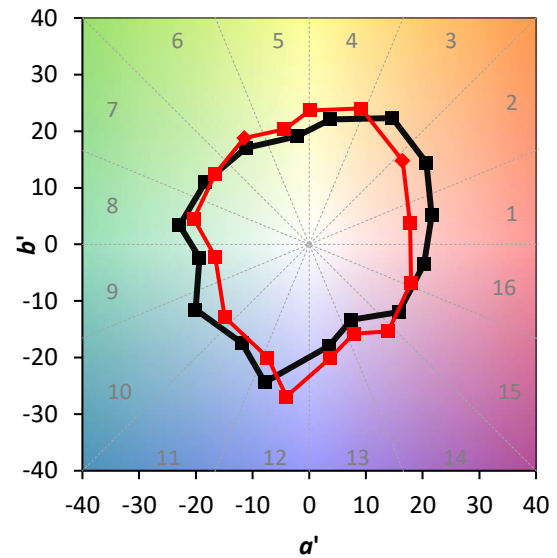
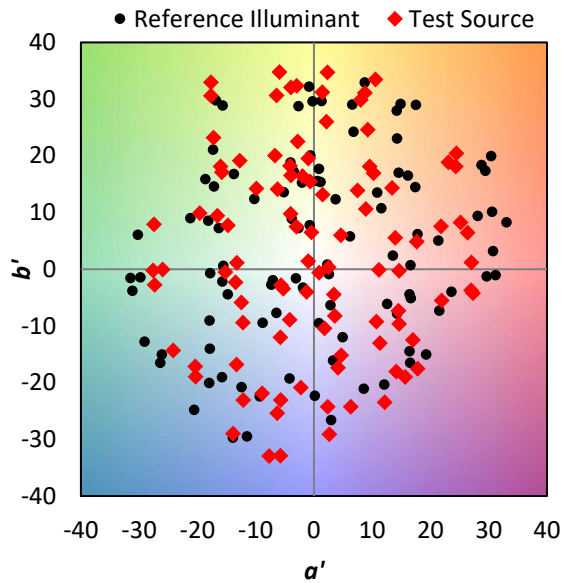
TM-30-18

Summary

$R_f = 73.5$
 $R_g = 93.5$
 $CIE R_a = 71.0$
 $R_g = -37.9$

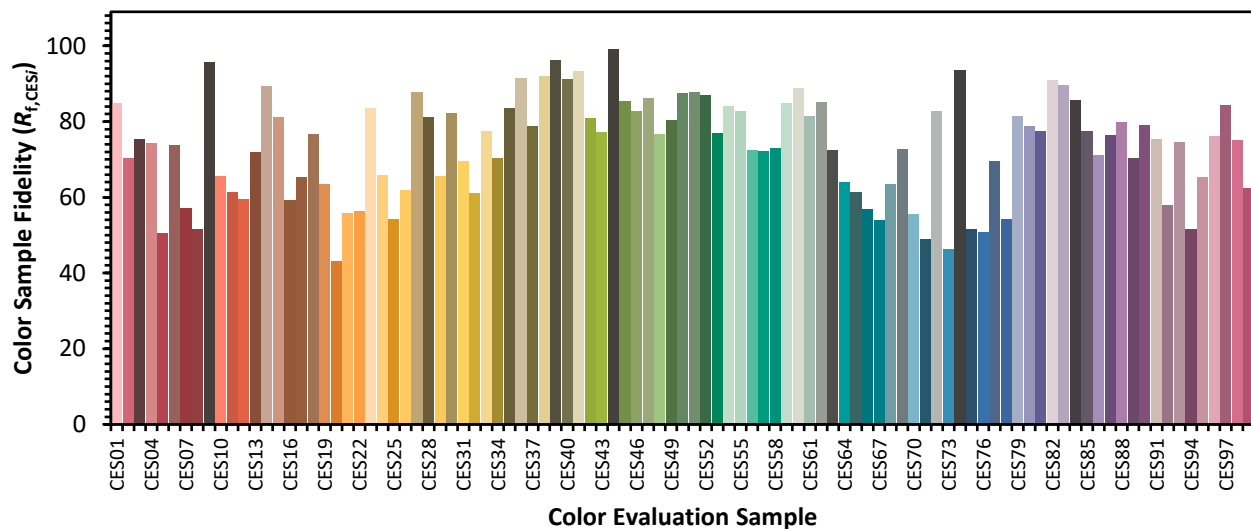


Color Vector Graphics

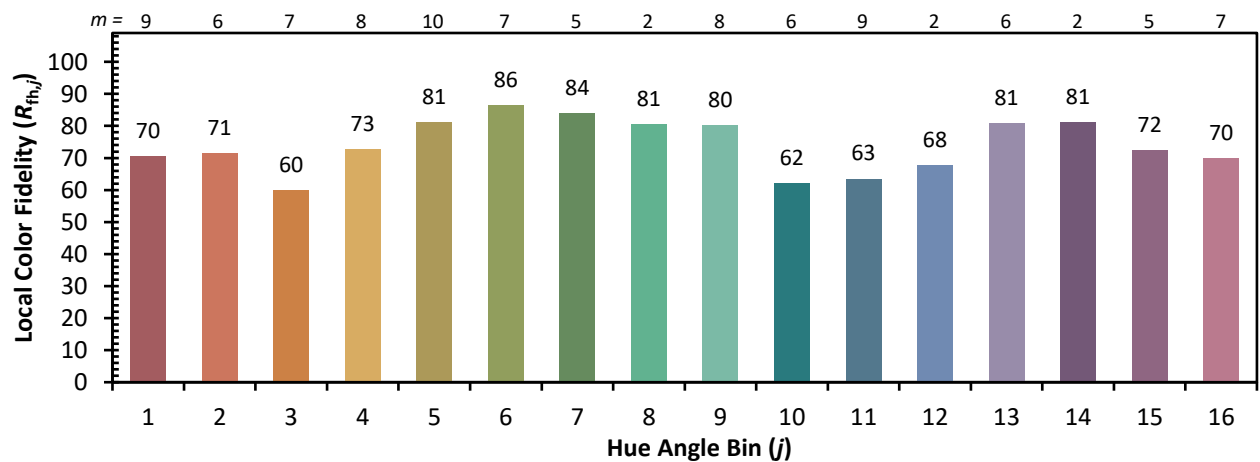
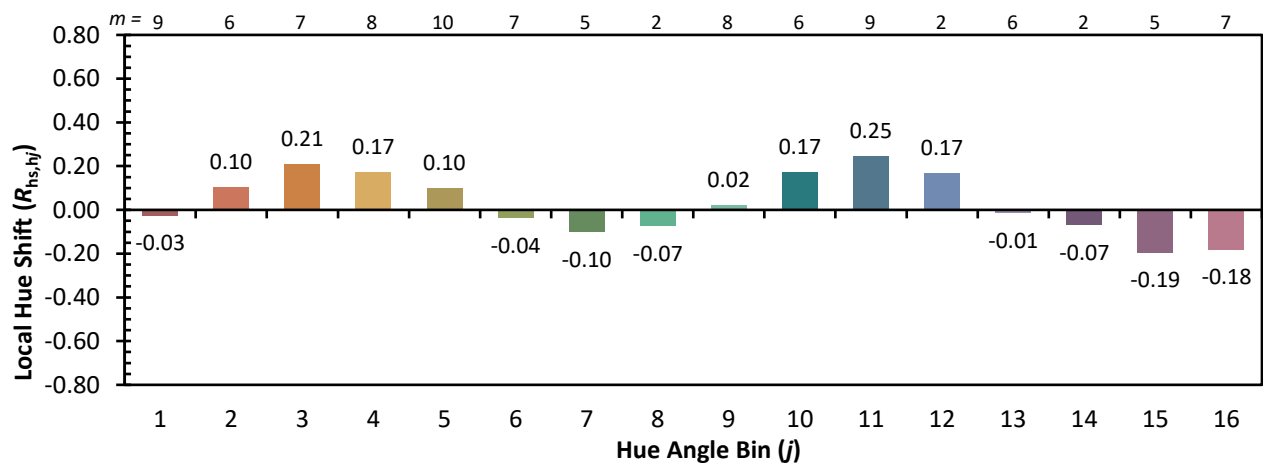


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 62	CES51 = 88	CES76 = 51
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 70
CES03 = 30	CES28 = 81	CES53 = 77	CES78 = 54
CES04 = 70	CES29 = 66	CES54 = 84	CES79 = 81
CES05 = 47	CES30 = 82	CES55 = 83	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 73	CES81 = 77
CES07 = 40	CES32 = 61	CES57 = 72	CES82 = 91
CES08 = 39	CES33 = 77	CES58 = 73	CES83 = 90
CES09 = 29	CES34 = 70	CES59 = 85	CES84 = 86
CES10 = 74	CES35 = 84	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 91	CES61 = 81	CES86 = 71
CES12 = 63	CES37 = 79	CES62 = 85	CES87 = 76
CES13 = 42	CES38 = 92	CES63 = 72	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 64	CES89 = 70
CES15 = 71	CES40 = 91	CES65 = 61	CES90 = 79
CES16 = 46	CES41 = 93	CES66 = 57	CES91 = 75
CES17 = 49	CES42 = 81	CES67 = 54	CES92 = 58
CES18 = 56	CES43 = 77	CES68 = 63	CES93 = 75
CES19 = 72	CES44 = 99	CES69 = 73	CES94 = 52
CES20 = 65	CES45 = 85	CES70 = 56	CES95 = 65
CES21 = 86	CES46 = 83	CES71 = 49	CES96 = 76
CES22 = 78	CES47 = 86	CES72 = 83	CES97 = 84
CES23 = 92	CES48 = 77	CES73 = 46	CES98 = 75
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 62
CES25 = 72	CES50 = 87	CES75 = 52	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)