

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: P972238

Luminaire Tested: **GKO-PB2D-750-U-T4W**

Issue Date: 02/27/2025

Test Information

Test Method: LM-79-08
Report Number: P972238
Test Lab: INNOVATION CENTER(G1)
Issue Date: 02/27/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2D-750-U-T4W
Description: GEKKO WALL PACK 10000LM PACKAGE 70CRI 5000K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (20) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10049.8 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
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

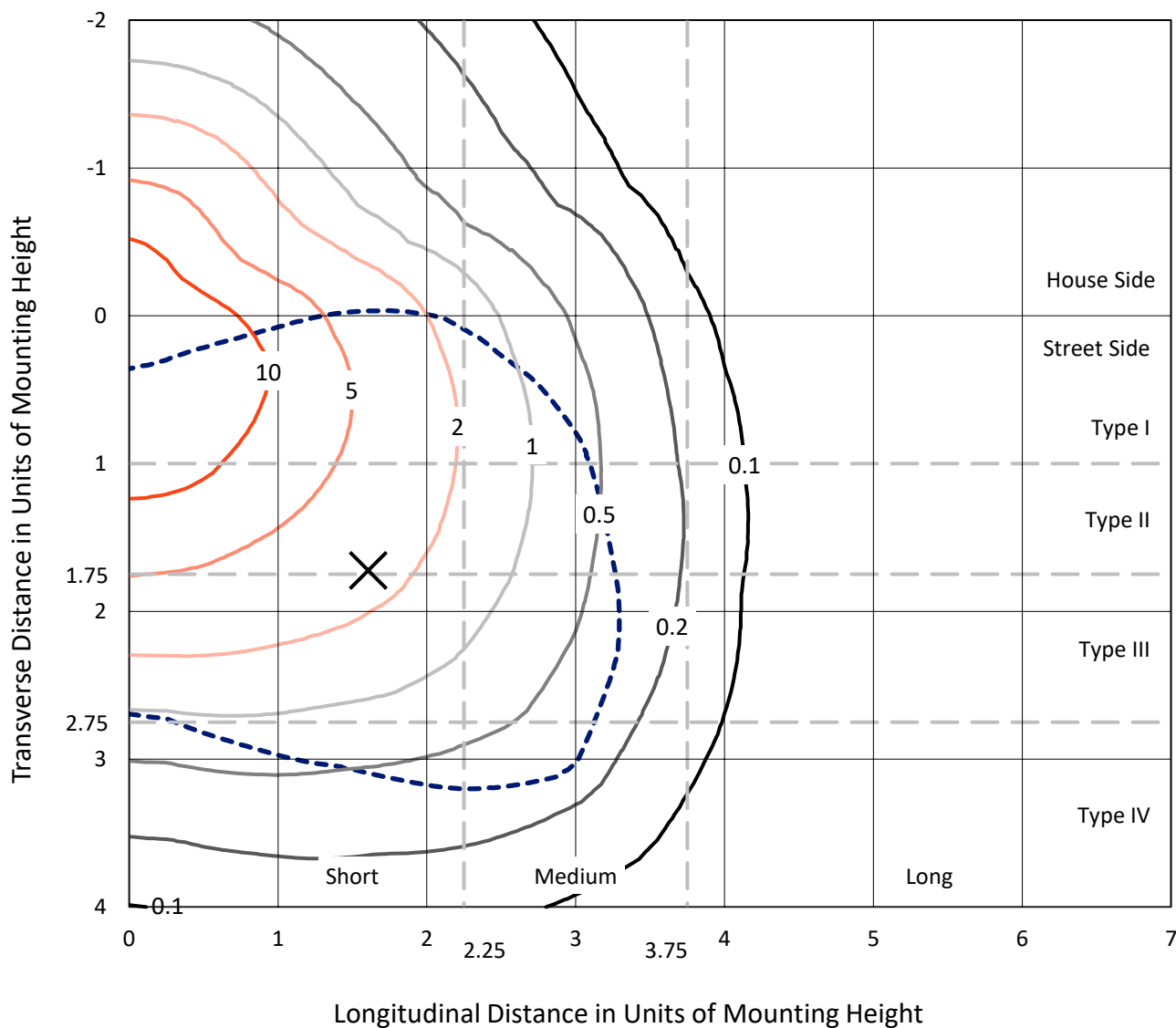
REPORT NUMBER: P972238

CATALOG NUMBER: GKO-PB2D-750-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

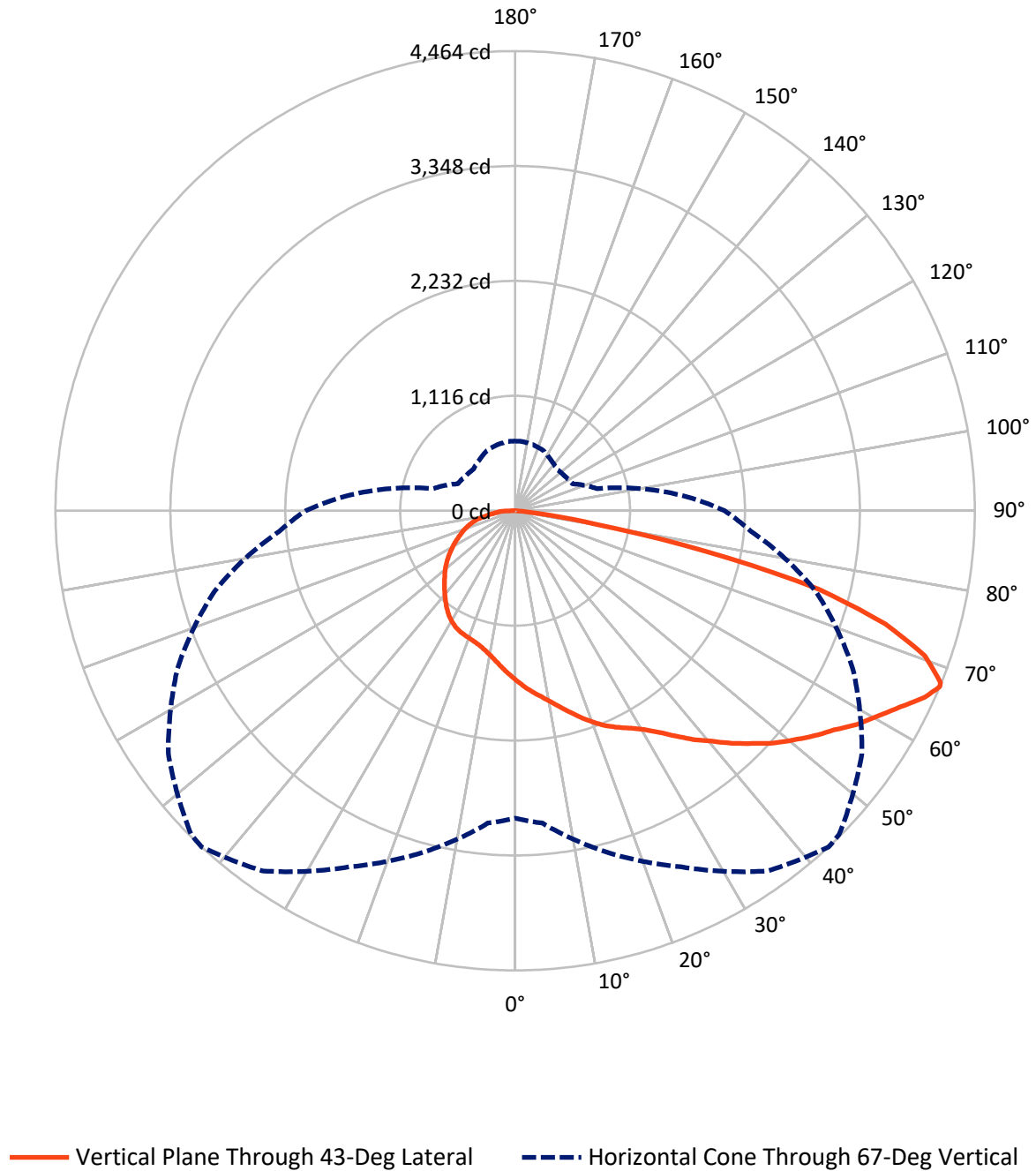


Based on 10 foot mounting height. Maximum calculated value = 19.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P972238

CATALOG NUMBER: GKO-PB2D-750-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P972238

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2703.1	0.0	2703.1
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	7346.7	0.0	7346.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	10049.8	0.0	10049.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	1.6
10°-20°	484.6	4.8
20°-30°	839.0	8.3
30°-40°	1245.1	12.4
40°-50°	1691.5	16.8
50°-60°	2076.4	20.7
60°-70°	2188.4	21.8
70°-80°	1208.0	12.0
80°-90°	159.1	1.6
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°	10049.8	100.0
0°-180°	10049.8	100.0



REPORT NUMBER: P972238

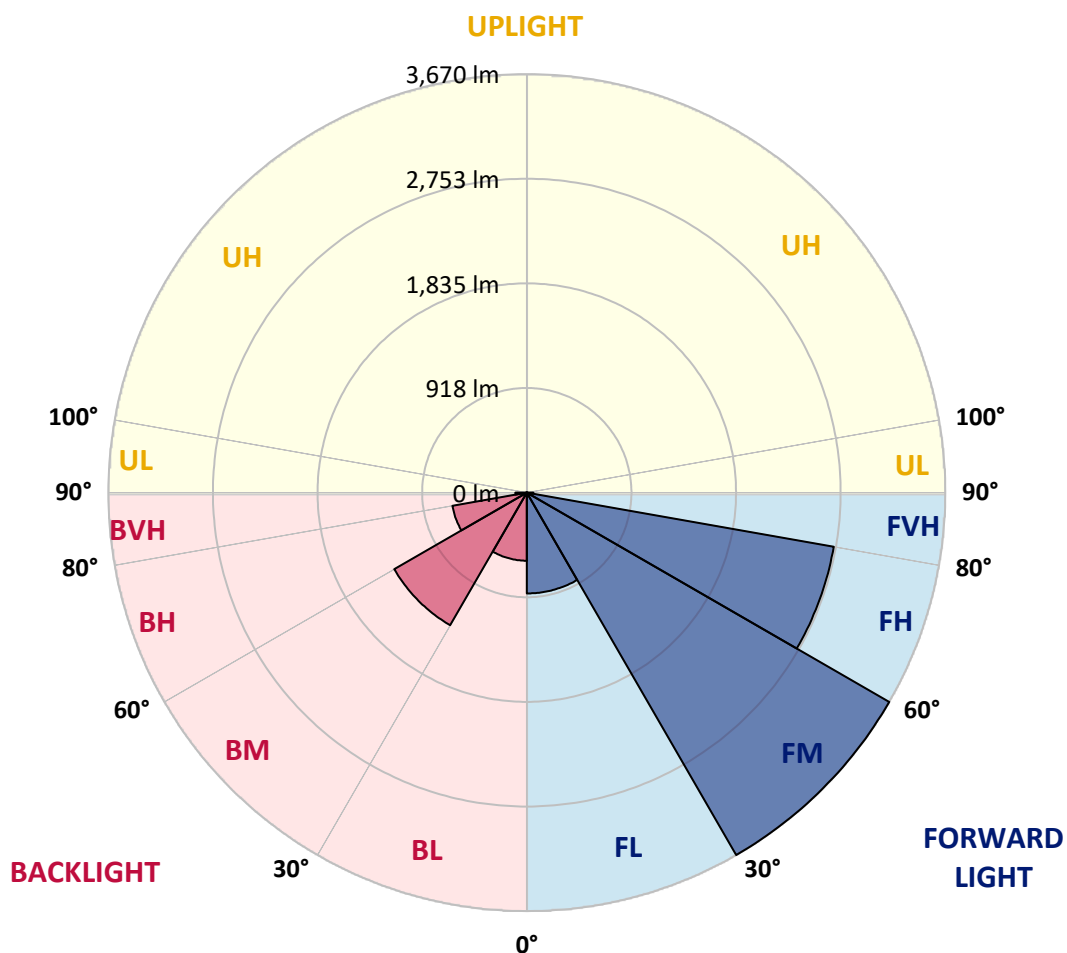
CATALOG NUMBER: GKO-PB2D-750-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	884.1	8.8			
FM	(30°-60°)	3670.5	36.5			
FH	(60°-80°)	2734.0	27.2			G2/5000
FVH	(80°-90°)	58.1	0.6			G1/100
BL	(0°-30°)	597.2	5.9	B2/1000		
BM	(30°-60°)	1342.5	13.4	B2/2500		
BH	(60°-80°)	662.4	6.6	B2/1000		G2/1000
BVH	(80°-90°)	101.0	1.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



REPORT NUMBER: P972238

CATALOG NUMBER: GKO-PB2D-750-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1649.5	1649.5	1649.5	1649.5	1649.5	1649.5	1649.5	1649.5	1649.5	1649.5	1649.5
2.5°	1726.0	1730.0	1726.0	1721.9	1713.9	1709.9	1705.8	1695.8	1683.7	1665.6	1651.5
5°	1802.4	1802.4	1796.4	1792.3	1780.3	1768.2	1762.2	1738.0	1711.9	1681.7	1653.5
7.5°	1872.8	1880.9	1870.8	1860.7	1842.6	1822.5	1818.5	1782.3	1746.1	1705.8	1663.6
10°	1961.3	1967.4	1953.3	1945.2	1911.0	1884.9	1876.8	1832.6	1784.3	1734.0	1679.7
12.5°	2051.8	2055.9	2045.8	2027.7	1991.5	1959.3	1947.2	1888.9	1826.5	1766.2	1697.8
15°	2130.3	2134.3	2130.3	2110.2	2076.0	2035.7	2019.7	1955.3	1878.8	1800.4	1719.9
17.5°	2188.6	2196.7	2196.7	2186.6	2156.4	2118.2	2108.2	2027.7	1939.2	1840.6	1746.1
20°	2238.9	2242.9	2251.0	2245.0	2228.9	2196.7	2182.6	2106.2	1999.5	1886.9	1772.2
22.5°	2279.2	2283.2	2297.3	2295.2	2285.2	2269.1	2255.0	2184.6	2069.9	1933.2	1796.4
25°	2349.6	2347.5	2355.6	2349.6	2337.5	2331.5	2323.4	2261.0	2140.4	1987.5	1828.6
27.5°	2472.3	2468.2	2460.2	2430.0	2399.8	2391.8	2385.8	2341.5	2222.8	2049.8	1864.8
30°	2653.3	2657.3	2619.1	2550.7	2490.4	2466.2	2458.2	2428.0	2315.4	2122.2	1905.0
32.5°	2868.6	2866.5	2804.2	2707.6	2613.1	2564.8	2548.7	2516.5	2407.9	2194.7	1951.3
35°	3023.4	3019.4	2987.2	2900.7	2802.2	2687.5	2657.3	2607.0	2506.5	2277.1	1997.5
37.5°	3232.7	3226.6	3164.3	3073.7	2985.2	2820.3	2786.1	2717.7	2601.0	2357.6	2049.8
40°	3472.0	3433.8	3331.2	3238.7	3118.0	2943.0	2914.8	2826.3	2709.6	2456.2	2110.2
42.5°	3689.3	3633.0	3500.2	3383.5	3232.7	3087.8	3051.6	2947.0	2814.2	2546.7	2172.5
45°	4015.2	3878.4	3687.3	3618.9	3357.4	3224.6	3194.4	3065.7	2928.9	2645.3	2234.9
47.5°	3974.9	3878.4	3816.0	3808.0	3488.1	3373.5	3329.2	3196.4	3051.6	2749.9	2299.3
50°	4053.4	3977.0	3981.0	3882.4	3606.8	3500.2	3468.0	3333.2	3176.3	2852.5	2367.7
52.5°	4037.3	4059.4	4047.4	3894.5	3721.5	3633.0	3608.8	3474.0	3295.0	2951.0	2428.0
55°	4166.0	4154.0	4127.8	3977.0	3848.2	3757.7	3737.6	3620.9	3415.7	3035.5	2480.3
57.5°	4260.6	4198.2	4196.2	4069.5	3989.0	3914.6	3882.4	3771.8	3528.4	3109.9	2520.5
60°	4202.3	4127.8	4182.1	4083.6	4075.5	4047.4	4029.3	3904.5	3628.9	3166.3	2536.6
62.5°	3890.5	3908.6	4069.5	4063.5	4170.1	4196.2	4176.1	3997.1	3695.3	3186.4	2524.6
65°	3478.1	3532.4	3779.8	3991.0	4280.7	4371.2	4351.1	4063.5	3689.3	3140.1	2444.1
67°	2987.2	3045.6	3431.8	3816.0	4270.6	4463.8	4449.7	4111.7	3616.9	3021.4	2299.3
67.5°	2878.6	2945.0	3331.2	3735.6	4234.4	4455.7	4445.7	4115.8	3592.7	2965.1	2242.9
70°	2118.2	2196.7	2741.8	3282.9	3944.8	4222.4	4220.4	3964.9	3343.3	2659.3	1945.2
72.5°	1319.6	1390.0	1955.3	2560.8	3417.7	3759.7	3745.6	3453.9	2878.6	2170.5	1534.9
75°	808.7	852.9	1231.1	1669.6	2478.3	3043.6	3063.7	2699.6	1963.3	1289.4	867.0
77.5°	494.9	543.1	776.5	1029.9	1514.7	1892.9	1896.9	1496.6	1007.8	702.1	474.7
80°	275.6	287.7	404.3	539.1	776.5	780.5	748.3	659.8	523.0	338.0	243.4
82.5°	108.6	116.7	175.0	217.3	221.3	231.3	215.2	195.1	165.0	108.6	76.4
85°	0.0	0.0	0.0	4.0	14.1	28.2	28.2	20.1	8.0	6.0	6.0
87.5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P972238

CATALOG NUMBER: GKO-PB2D-750-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1649.5	1649.5	1649.5	1649.5	1649.5	1649.5	1649.5	1649.5	1649.5	1649.5	1649.5
2.5°	1647.5	1645.5	1631.4	1615.3	1603.3	1593.2	1583.1	1571.1	1571.1	1575.1	1573.1
5°	1643.5	1633.4	1607.3	1579.1	1557.0	1536.9	1518.8	1502.7	1500.7	1502.7	1504.7
7.5°	1645.5	1627.4	1587.2	1544.9	1508.7	1482.6	1456.4	1444.3	1442.3	1442.3	1442.3
10°	1653.5	1627.4	1573.1	1514.7	1470.5	1432.3	1404.1	1392.0	1394.0	1396.1	1398.1
12.5°	1667.6	1631.4	1563.0	1488.6	1432.3	1394.0	1365.9	1355.8	1363.9	1373.9	1375.9
15°	1681.7	1639.5	1553.0	1466.5	1402.1	1359.8	1339.7	1337.7	1351.8	1369.9	1373.9
17.5°	1697.8	1645.5	1540.9	1438.3	1369.9	1335.7	1325.7	1331.7	1353.8	1382.0	1388.0
20°	1713.9	1653.5	1526.8	1412.1	1339.7	1315.6	1321.6	1339.7	1367.9	1402.1	1408.1
22.5°	1730.0	1659.6	1508.7	1380.0	1307.5	1299.5	1321.6	1351.8	1380.0	1418.2	1426.2
25°	1748.1	1667.6	1486.6	1339.7	1275.4	1281.4	1319.6	1355.8	1386.0	1426.2	1436.3
27.5°	1776.3	1679.7	1464.5	1303.5	1239.2	1259.3	1309.6	1353.8	1386.0	1424.2	1436.3
30°	1804.4	1691.8	1446.3	1265.3	1202.9	1229.1	1289.4	1343.8	1375.9	1410.1	1426.2
32.5°	1836.6	1707.9	1430.3	1227.1	1162.7	1194.9	1261.3	1321.6	1359.8	1390.0	1406.1
35°	1870.8	1732.0	1418.2	1192.9	1122.5	1150.6	1219.0	1293.5	1331.7	1359.8	1373.9
37.5°	1915.1	1758.1	1410.1	1158.7	1080.2	1104.4	1174.8	1253.2	1297.5	1319.6	1337.7
40°	1963.3	1796.4	1410.1	1130.5	1040.0	1056.1	1128.5	1213.0	1257.3	1275.4	1293.5
42.5°	2011.6	1834.6	1408.1	1102.4	997.8	1009.8	1082.2	1168.7	1211.0	1225.1	1239.2
45°	2067.9	1878.8	1406.1	1070.2	951.5	963.6	1038.0	1124.5	1164.7	1176.8	1188.9
47.5°	2128.3	1923.1	1398.1	1029.9	909.2	919.3	993.7	1074.2	1114.4	1128.5	1140.6
50°	2182.6	1965.3	1378.0	983.7	871.0	881.1	947.5	1013.9	1050.1	1066.2	1078.2
52.5°	2230.9	1995.5	1345.8	931.4	828.8	840.9	891.1	949.5	977.6	989.7	997.8
55°	2269.1	2011.6	1293.5	881.1	788.6	794.6	834.8	887.1	909.2	911.3	917.3
57.5°	2295.2	2009.6	1223.1	822.7	748.3	750.3	778.5	824.8	840.9	838.8	842.9
60°	2301.3	1983.4	1138.6	768.4	708.1	702.1	730.2	762.4	772.5	780.5	790.6
62.5°	2277.1	1921.1	1042.0	714.1	667.9	657.8	677.9	706.1	722.2	726.2	730.2
65°	2188.6	1806.4	925.3	657.8	627.6	609.5	631.6	671.9	698.0	706.1	704.1
67°	2033.7	1645.5	824.8	615.6	587.4	571.3	603.5	645.7	663.8	675.9	675.9
67.5°	1983.4	1587.2	790.6	601.5	577.3	563.3	593.4	633.7	657.8	671.9	671.9
70°	1683.7	1301.5	667.9	531.1	519.0	521.0	557.2	601.5	631.6	645.7	645.7
72.5°	1283.4	1007.8	543.1	462.7	458.6	472.7	519.0	559.2	597.4	621.6	619.6
75°	728.2	581.4	396.3	378.2	394.3	422.4	480.8	525.0	559.2	583.4	581.4
77.5°	424.4	350.0	273.6	259.5	305.8	370.1	430.5	486.8	510.9	519.0	513.0
80°	215.2	183.1	171.0	177.0	205.2	275.6	376.2	442.6	460.7	466.7	460.7
82.5°	68.4	62.4	68.4	90.5	136.8	217.3	303.8	400.3	422.4	422.4	420.4
85°	4.0	4.0	4.0	40.2	94.5	160.9	237.4	350.0	396.3	392.3	386.2
87.5°	2.0	2.0	2.0	26.2	74.4	134.8	209.2	317.8	378.2	350.0	329.9
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: SP2-2501-321-5

Test Date: 04/10/2025

Luminaire Tested: GKO-PB1E-750-U-T4W

Data in this report applies to families of products including GKO-PB1E-750-U-T4W

Test Information

Test Method: LM-79-2019
 Report Number: SP2-2501-321-5
 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-750-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	5105	CRI (Ra):	72.2		
CIE u':	0.2079	R1:	68.8	R9:	-38.2
CIE v':	0.4868	R2:	78.3	R10:	48.2
Duv:	0.0035	R3:	84.9	R11:	68.1
CIE x:	0.3428	R4:	71.7	R12:	42.9
CIE y:	0.3567	R5:	69.8	R13:	70.6
CIE z:	0.3005	R6:	69.8	R14:	91.6
Peak Wavelength (nm):	451	R7:	81.2	R15:	61.7
Dominant Wavelength (nm):	567	R8:	53.5		
Purity:	9.884628				
Rf:	74.2				
Rg:	92.7				



Test Conditions

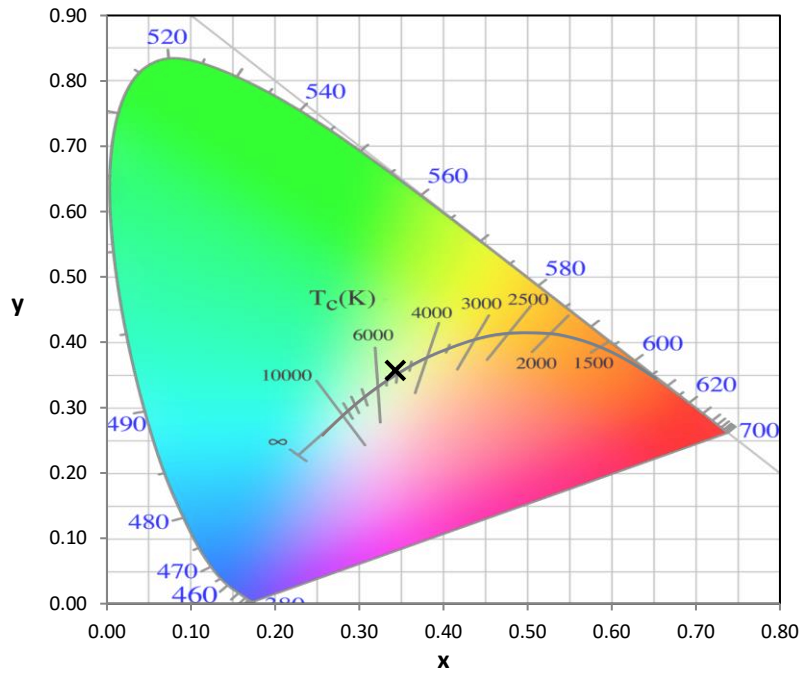
Stabilization Time: 30M
 Operation Time: 1H 30M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP2-2501-321-5

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

REPORT NUMBER: SP2-2501-321-5

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP2-2501-321-5

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	134	NR	620	390	NR	750	10	NR	880	0	NR
365	0	NR	495	165	NR	625	354	NR	755	9	NR	885	0	NR
370	0	NR	500	218	NR	630	319	NR	760	8	NR	890	0	NR
375	0	NR	505	281	NR	635	285	NR	765	7	NR	895	0	NR
380	0	NR	510	343	NR	640	254	NR	770	6	NR	900	0	NR
385	1	NR	515	400	NR	645	224	NR	775	5	NR	905	0	NR
390	2	NR	520	444	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	477	NR	655	173	NR	785	4	NR	915	0	NR
400	6	NR	530	501	NR	660	150	NR	790	3	NR	920	0	NR
405	9	NR	535	520	NR	665	131	NR	795	3	NR	925	0	NR
410	14	NR	540	534	NR	670	113	NR	800	2	NR	930	0	NR
415	26	NR	545	547	NR	675	98	NR	805	2	NR	935	0	NR
420	50	NR	550	561	NR	680	85	NR	810	2	NR	940	0	NR
425	95	NR	555	574	NR	685	73	NR	815	2	NR	945	0	NR
430	168	NR	560	586	NR	690	63	NR	820	1	NR	950	0	NR
435	284	NR	565	596	NR	695	54	NR	825	1	NR	955	0	NR
440	452	NR	570	604	NR	700	46	NR	830	1	NR	960	0	NR
445	705	NR	575	606	NR	705	40	NR	835	1	NR	965	0	NR
450	980	NR	580	603	NR	710	34	NR	840	1	NR	970	0	NR
455	869	NR	585	592	NR	715	29	NR	845	1	NR	975	0	NR
460	531	NR	590	577	NR	720	25	NR	850	1	NR	980	0	NR
465	372	NR	595	554	NR	725	22	NR	855	1	NR	985	0	NR
470	268	NR	600	527	NR	730	19	NR	860	1	NR	990	0	NR
475	174	NR	605	497	NR	735	16	NR	865	0	NR	995	0	NR
480	135	NR	610	462	NR	740	14	NR	870	0	NR	1000	0	NR
485	126	NR	615	428	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP2-2501-321-5

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.82

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	134	NR	620	390	NR	750	10	NR	880	0	NR
365	0	NR	495	165	NR	625	354	NR	755	9	NR	885	0	NR
370	0	NR	500	218	NR	630	319	NR	760	8	NR	890	0	NR
375	0	NR	505	281	NR	635	285	NR	765	7	NR	895	0	NR
380	0	NR	510	343	NR	640	254	NR	770	6	NR	900	0	NR
385	1	NR	515	400	NR	645	224	NR	775	5	NR	905	0	NR
390	2	NR	520	444	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	477	NR	655	173	NR	785	4	NR	915	0	NR
400	6	NR	530	501	NR	660	150	NR	790	3	NR	920	0	NR
405	9	NR	535	520	NR	665	131	NR	795	3	NR	925	0	NR
410	14	NR	540	534	NR	670	113	NR	800	2	NR	930	0	NR
415	26	NR	545	547	NR	675	98	NR	805	2	NR	935	0	NR
420	50	NR	550	561	NR	680	85	NR	810	2	NR	940	0	NR
425	95	NR	555	574	NR	685	73	NR	815	2	NR	945	0	NR
430	168	NR	560	586	NR	690	63	NR	820	1	NR	950	0	NR
435	284	NR	565	596	NR	695	54	NR	825	1	NR	955	0	NR
440	452	NR	570	604	NR	700	46	NR	830	1	NR	960	0	NR
445	705	NR	575	606	NR	705	40	NR	835	1	NR	965	0	NR
450	980	NR	580	603	NR	710	34	NR	840	1	NR	970	0	NR
455	869	NR	585	592	NR	715	29	NR	845	1	NR	975	0	NR
460	531	NR	590	577	NR	720	25	NR	850	1	NR	980	0	NR
465	372	NR	595	554	NR	725	22	NR	855	1	NR	985	0	NR
470	268	NR	600	527	NR	730	19	NR	860	1	NR	990	0	NR
475	174	NR	605	497	NR	735	16	NR	865	0	NR	995	0	NR
480	135	NR	610	462	NR	740	14	NR	870	0	NR	1000	0	NR
485	126	NR	615	428	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP2-2501-321-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.75

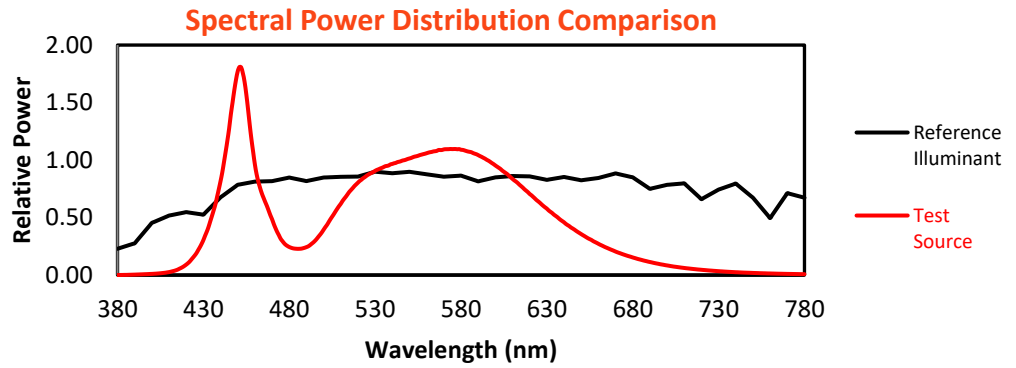
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	134	NR	620	390	NR	750	10	NR	880	0	NR
365	0	NR	495	165	NR	625	354	NR	755	9	NR	885	0	NR
370	0	NR	500	218	NR	630	319	NR	760	8	NR	890	0	NR
375	0	NR	505	281	NR	635	285	NR	765	7	NR	895	0	NR
380	0	NR	510	343	NR	640	254	NR	770	6	NR	900	0	NR
385	1	NR	515	400	NR	645	224	NR	775	5	NR	905	0	NR
390	2	NR	520	444	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	477	NR	655	173	NR	785	4	NR	915	0	NR
400	6	NR	530	501	NR	660	150	NR	790	3	NR	920	0	NR
405	9	NR	535	520	NR	665	131	NR	795	3	NR	925	0	NR
410	14	NR	540	534	NR	670	113	NR	800	2	NR	930	0	NR
415	26	NR	545	547	NR	675	98	NR	805	2	NR	935	0	NR
420	50	NR	550	561	NR	680	85	NR	810	2	NR	940	0	NR
425	95	NR	555	574	NR	685	73	NR	815	2	NR	945	0	NR
430	168	NR	560	586	NR	690	63	NR	820	1	NR	950	0	NR
435	284	NR	565	596	NR	695	54	NR	825	1	NR	955	0	NR
440	452	NR	570	604	NR	700	46	NR	830	1	NR	960	0	NR
445	705	NR	575	606	NR	705	40	NR	835	1	NR	965	0	NR
450	980	NR	580	603	NR	710	34	NR	840	1	NR	970	0	NR
455	869	NR	585	592	NR	715	29	NR	845	1	NR	975	0	NR
460	531	NR	590	577	NR	720	25	NR	850	1	NR	980	0	NR
465	372	NR	595	554	NR	725	22	NR	855	1	NR	985	0	NR
470	268	NR	600	527	NR	730	19	NR	860	1	NR	990	0	NR
475	174	NR	605	497	NR	735	16	NR	865	0	NR	995	0	NR
480	135	NR	610	462	NR	740	14	NR	870	0	NR	1000	0	NR
485	126	NR	615	428	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP2-2501-321-5

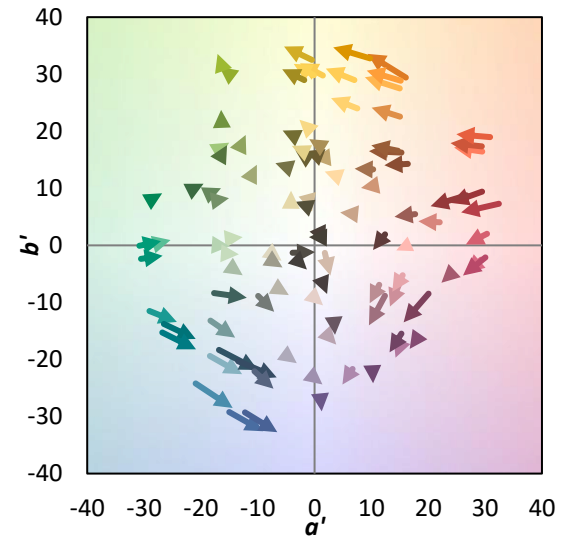
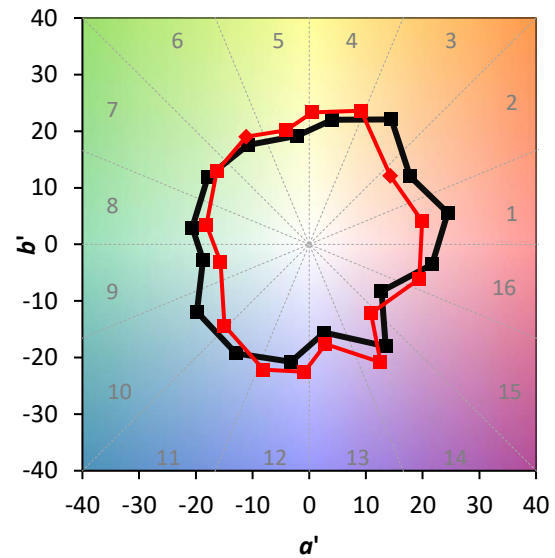
TM-30-18

Summary

$R_f = 74.2$
 $R_g = 92.7$
 $CIE R_a = 72.2$
 $R_g = -38.2$



Color Vector Graphics

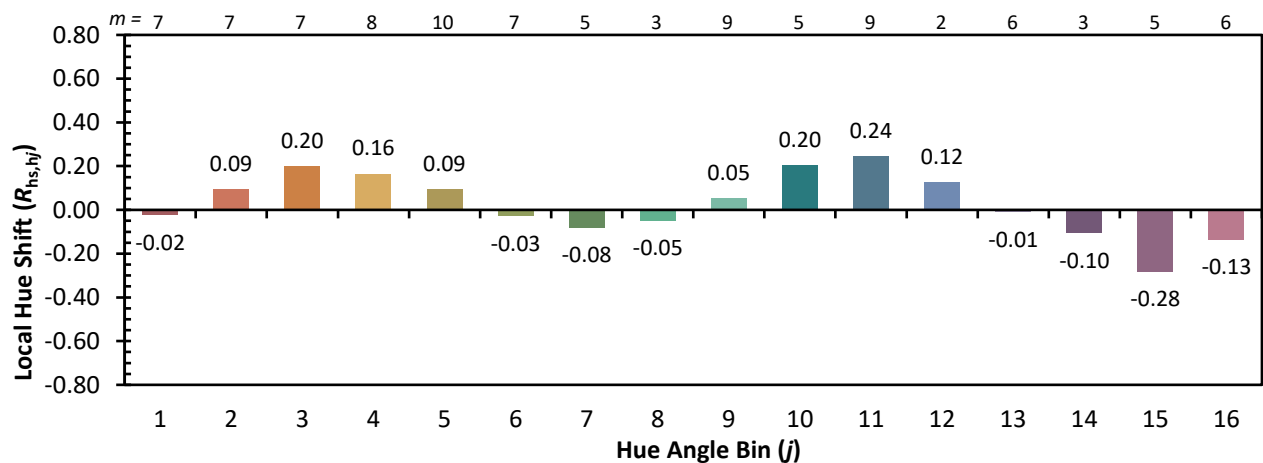
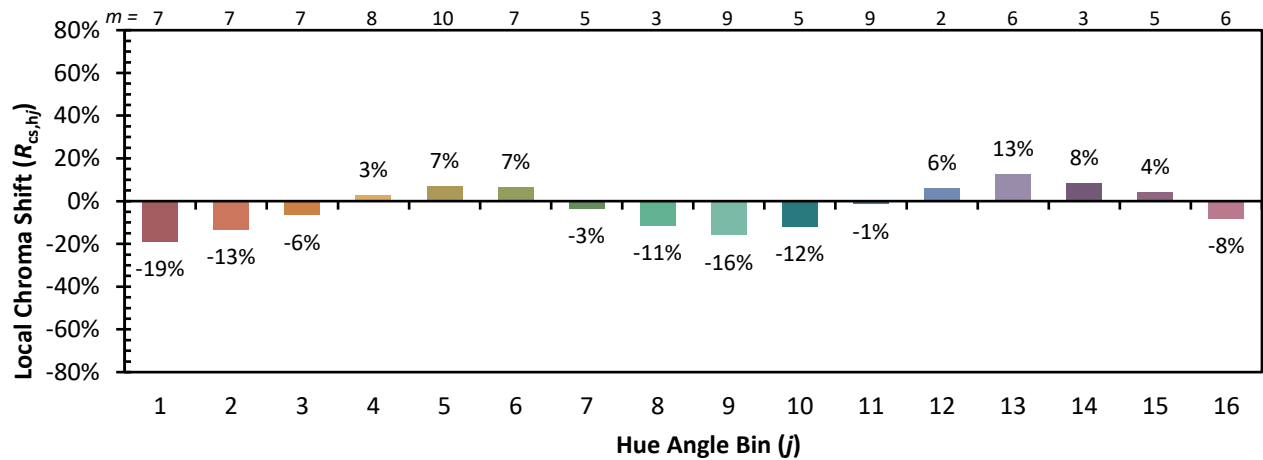


Individual Sample Fidelity Index ($R_{f,i}$)

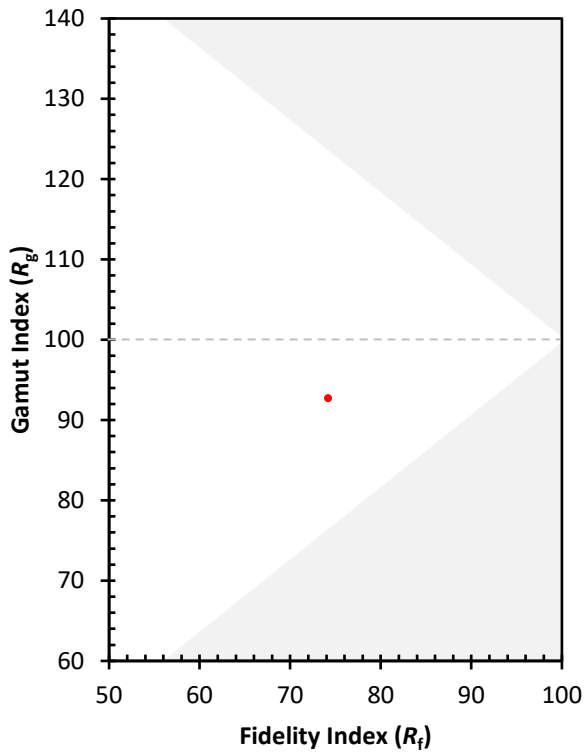
CES01 = 85	CES26 = 63	CES51 = 89	CES76 = 51
CES02 = 59	CES27 = 89	CES52 = 89	CES77 = 68
CES03 = 30	CES28 = 81	CES53 = 79	CES78 = 54
CES04 = 69	CES29 = 69	CES54 = 84	CES79 = 80
CES05 = 46	CES30 = 88	CES55 = 83	CES80 = 77
CES06 = 50	CES31 = 72	CES56 = 74	CES81 = 79
CES07 = 38	CES32 = 63	CES57 = 73	CES82 = 91
CES08 = 38	CES33 = 82	CES58 = 74	CES83 = 90
CES09 = 29	CES34 = 70	CES59 = 86	CES84 = 85
CES10 = 72	CES35 = 83	CES60 = 88	CES85 = 78
CES11 = 56	CES36 = 88	CES61 = 82	CES86 = 75
CES12 = 61	CES37 = 78	CES62 = 81	CES87 = 77
CES13 = 41	CES38 = 98	CES63 = 73	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 64	CES89 = 73
CES15 = 70	CES40 = 91	CES65 = 61	CES90 = 80
CES16 = 46	CES41 = 96	CES66 = 56	CES91 = 72
CES17 = 49	CES42 = 80	CES67 = 54	CES92 = 58
CES18 = 55	CES43 = 79	CES68 = 64	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 73	CES94 = 53
CES20 = 63	CES45 = 87	CES70 = 56	CES95 = 64
CES21 = 85	CES46 = 85	CES71 = 47	CES96 = 76
CES22 = 77	CES47 = 90	CES72 = 82	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 47	CES98 = 76
CES24 = 90	CES49 = 83	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 50	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)