

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: P1212037

Luminaire Tested: **GKO-PB2E-835-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212037
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2E-835-U-T1
Description: GEKKO WALL PACK 12000LM PACKAGE 80CRI 3500K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12054.1 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 104.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

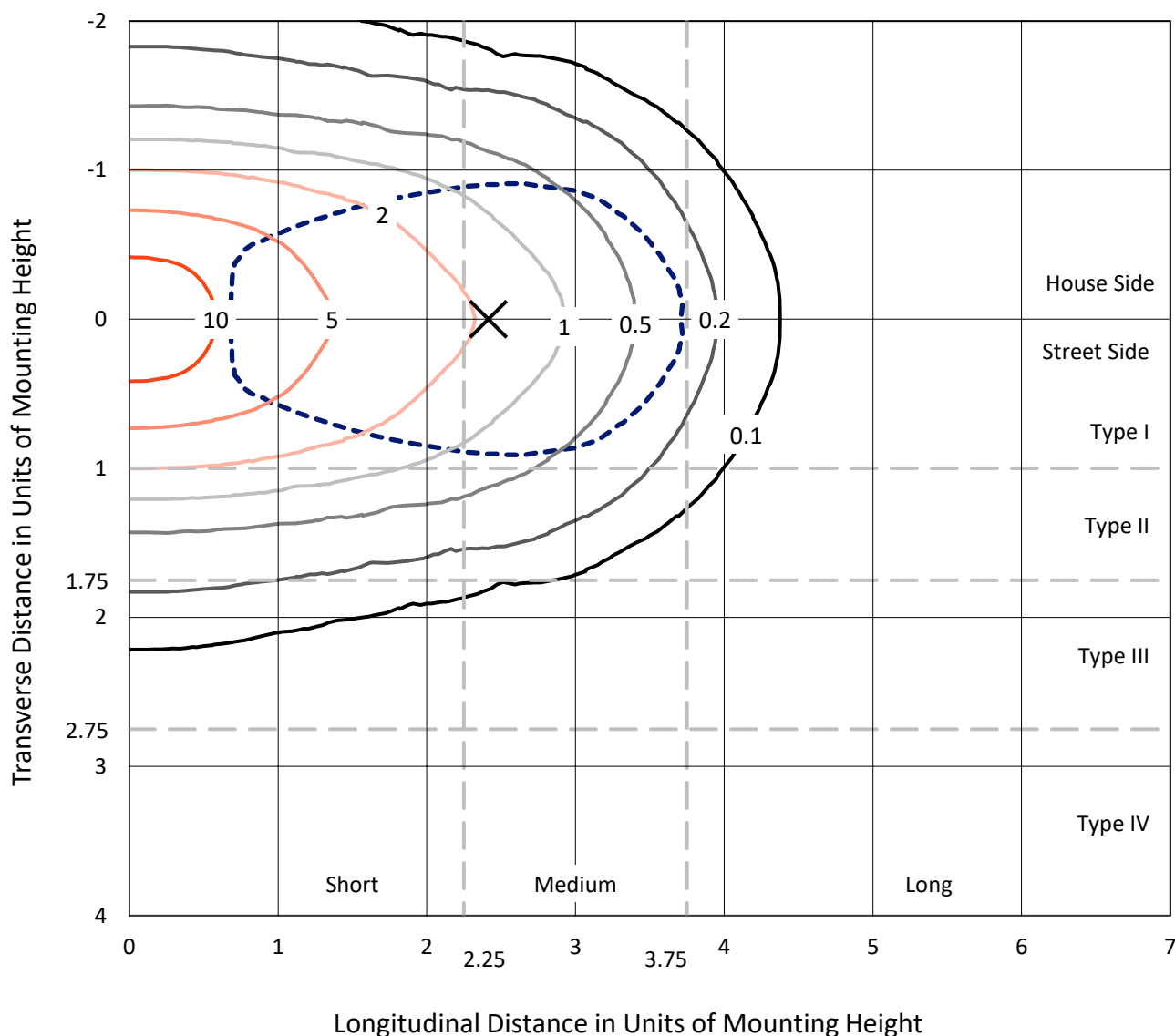
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

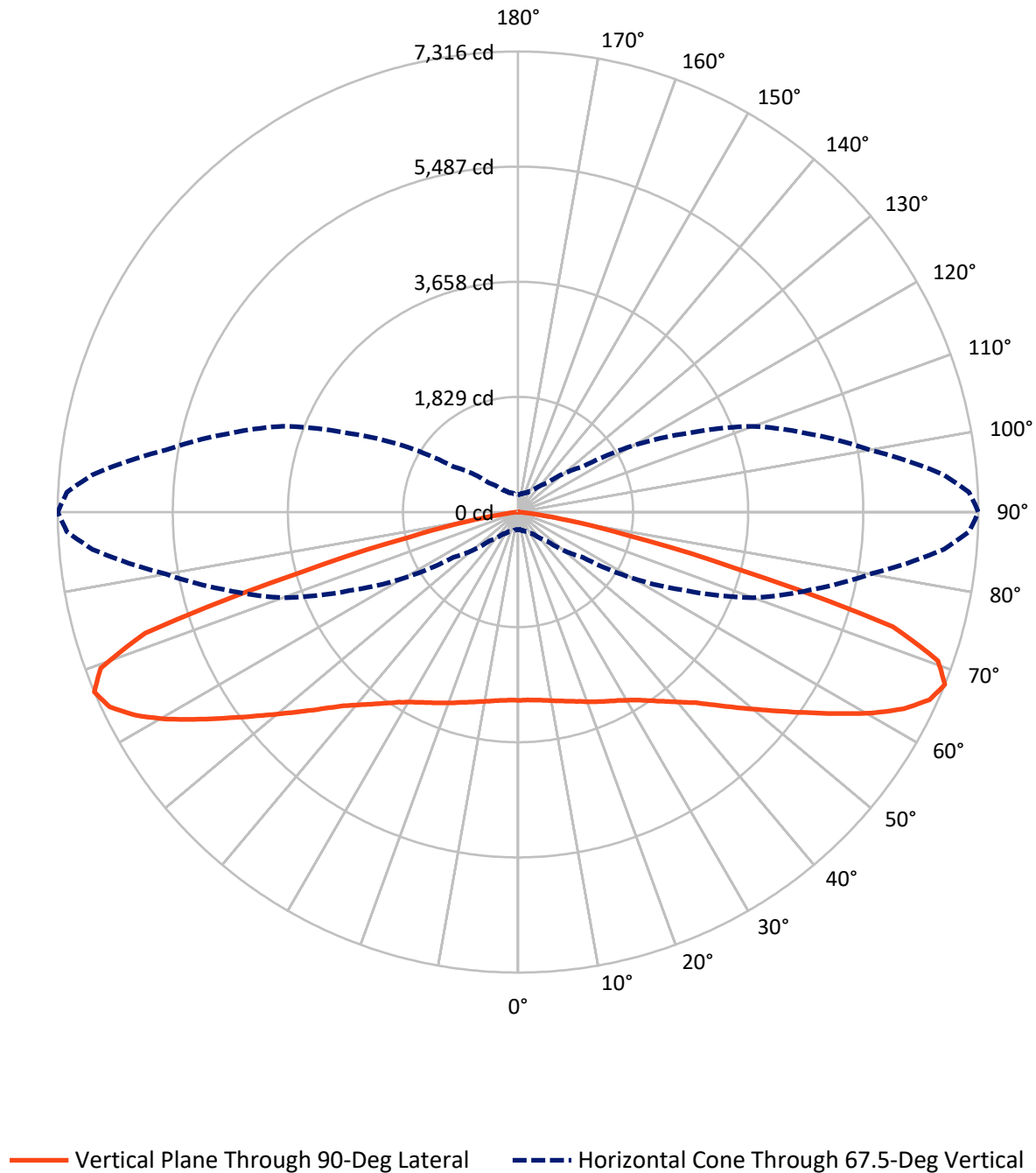


Based on 15 foot mounting height. Maximum calculated value = 13.3 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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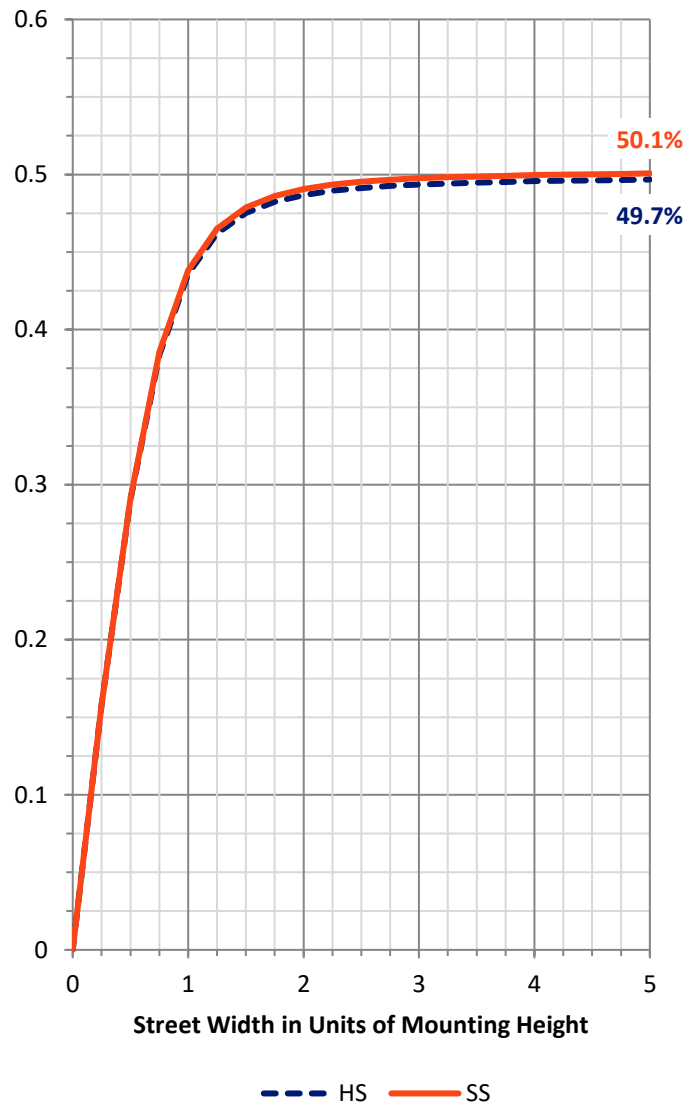
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6027.1	0.0	6027.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6027.1	0.0	6027.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	12054.1	0.0	12054.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.9	2.4
10°-20°	864.4	7.2
20°-30°	1437.4	11.9
30°-40°	1909.6	15.8
40°-50°	2152.8	17.9
50°-60°	2213.7	18.4
60°-70°	2092.0	17.4
70°-80°	1024.1	8.5
80°-90°	73.3	0.6
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°	12054.1	100.0
0°-180°	12054.1	100.0

Coefficient of Utilization



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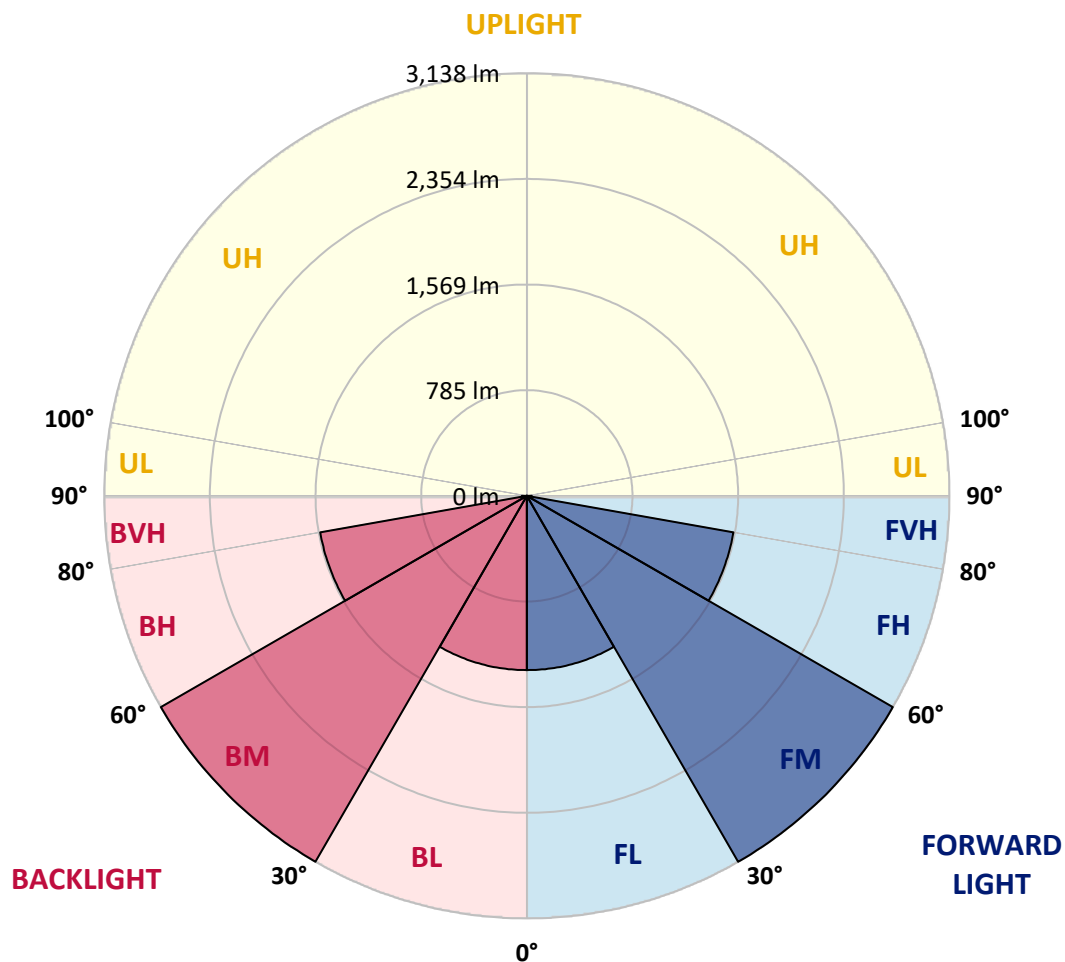
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1294.4	10.7			
FM	(30°-60°)	3138.0	26.0			
FH	(60°-80°)	1558.0	12.9			G1/1800
FVH	(80°-90°)	36.6	0.3			G1/100
BL	(0°-30°)	1294.4	10.7	B3/2500		
BM	(30°-60°)	3138.0	26.0	B3/5000		
BH	(60°-80°)	1558.0	12.9	B3/2500		G3/2500
BVH	(80°-90°)	36.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	2991.1	2991.1	2991.1	2991.1	2991.1	2991.1	2991.1	2991.1	2991.1	2991.1	2991.1
2.5°	2993.3	2997.8	2988.9	2988.9	2993.3	2995.6	2995.6	2997.8	2993.3	2993.3	2991.1
5°	2993.3	2995.6	2991.1	2991.1	2995.6	3002.2	3000.0	3004.5	3004.5	3002.2	3002.2
7.5°	2991.1	2995.6	2991.1	2993.3	3000.0	3013.3	3013.3	3013.3	3017.8	3022.2	3022.2
10°	2988.9	2993.3	2995.6	2997.8	3006.7	3026.7	3031.1	3033.4	3040.0	3046.7	3046.7
12.5°	2977.8	2982.2	2988.9	2997.8	3013.3	3040.0	3048.9	3055.6	3066.7	3073.4	3077.8
15°	2962.2	2964.5	2980.0	2997.8	3022.2	3055.6	3073.4	3084.5	3100.0	3108.9	3115.6
17.5°	2940.0	2942.2	2966.7	2993.3	3028.9	3075.6	3104.5	3122.2	3137.8	3151.1	3160.0
20°	2911.1	2917.8	2946.7	2988.9	3040.0	3095.6	3137.8	3168.9	3184.5	3197.8	3211.1
22.5°	2875.6	2882.2	2917.8	2977.8	3051.1	3122.2	3177.8	3217.8	3237.8	3255.6	3271.1
25°	2822.2	2831.1	2873.3	2951.1	3055.6	3151.1	3222.2	3273.4	3291.1	3313.4	3326.7
27.5°	2740.0	2746.7	2797.8	2897.8	3042.2	3182.2	3273.4	3333.4	3353.4	3377.8	3391.1
30°	2611.1	2624.5	2686.7	2811.1	3008.9	3206.7	3333.4	3393.4	3417.8	3442.2	3460.0
32.5°	2444.5	2464.5	2533.3	2693.3	2944.5	3215.6	3397.8	3466.7	3497.8	3524.5	3546.7
35°	2237.8	2257.8	2340.0	2542.2	2842.2	3197.8	3462.2	3551.1	3588.9	3624.5	3651.1
37.5°	2002.2	2020.0	2120.0	2351.1	2695.6	3142.2	3513.4	3644.5	3695.6	3742.2	3777.8
40°	1764.5	1784.5	1893.3	2140.0	2517.8	3035.6	3535.6	3746.7	3811.1	3871.1	3915.6
42.5°	1506.7	1531.1	1653.3	1915.6	2311.1	2888.9	3517.8	3846.7	3926.7	4008.9	4075.6
45°	1277.8	1282.2	1415.6	1668.9	2084.5	2700.0	3455.6	3942.2	4051.1	4166.7	4262.2
47.5°	1057.8	1066.7	1182.2	1433.3	1848.9	2486.7	3342.2	4017.8	4191.1	4340.0	4480.0
50°	862.2	873.3	977.8	1202.2	1613.3	2253.3	3188.9	4062.2	4311.1	4513.4	4708.9
52.5°	702.2	715.6	802.2	1000.0	1375.6	2008.9	3000.0	4068.9	4420.0	4686.7	4946.7
55°	584.4	593.3	660.0	817.8	1146.7	1755.6	2784.5	4035.6	4491.1	4842.2	5188.9
57.5°	493.3	502.2	548.9	673.3	940.0	1495.6	2522.2	3957.8	4528.9	4977.8	5433.4
60°	428.9	435.6	468.9	557.8	773.3	1251.1	2240.0	3820.0	4517.8	5062.3	5635.6
62.5°	382.2	384.4	413.3	475.6	637.8	1020.0	1922.2	3613.4	4426.7	5073.4	5773.4
65°	340.0	342.2	360.0	404.4	524.4	820.0	1591.1	3328.9	4253.4	4995.6	5793.4
67.5°	275.6	280.0	306.7	340.0	431.1	648.9	1253.3	2955.6	3982.2	4793.4	5680.0
70°	220.0	222.2	248.9	286.7	351.1	511.1	962.2	2453.3	3557.8	4464.5	5386.7
72.5°	164.4	168.9	193.3	231.1	286.7	395.6	695.6	1855.6	2844.5	3764.5	4691.1
75°	131.1	133.3	142.2	177.8	222.2	300.0	468.9	1124.5	1713.3	2328.9	2875.6
77.5°	111.1	113.3	113.3	137.8	164.4	202.2	248.9	446.7	724.4	1031.1	1366.7
80°	91.1	95.6	86.7	102.2	117.8	117.8	115.6	213.3	342.2	484.4	635.6
82.5°	66.7	71.1	66.7	71.1	71.1	64.4	60.0	80.0	108.9	148.9	162.2
85°	46.7	48.9	53.3	48.9	46.7	37.8	28.9	22.2	13.3	15.6	22.2
87.5°	31.1	37.8	44.4	42.2	35.6	28.9	20.0	13.3	6.7	8.9	8.9
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):

	85°	87.5°	90°
0°	2991.1	2991.1	2991.1
2.5°	2993.3	2991.1	2988.9
5°	3004.5	3002.2	3000.0
7.5°	3020.0	3020.0	3020.0
10°	3044.5	3048.9	3048.9
12.5°	3075.6	3080.0	3080.0
15°	3113.4	3115.6	3120.0
17.5°	3160.0	3162.2	3162.2
20°	3215.6	3213.4	3217.8
22.5°	3271.1	3271.1	3271.1
25°	3328.9	3328.9	3328.9
27.5°	3395.6	3395.6	3391.1
30°	3468.9	3468.9	3468.9
32.5°	3557.8	3560.0	3562.2
35°	3671.1	3675.6	3682.2
37.5°	3800.0	3811.1	3817.8
40°	3953.4	3957.8	3968.9
42.5°	4124.5	4137.8	4140.0
45°	4337.8	4360.0	4368.9
47.5°	4588.9	4620.0	4635.6
50°	4868.9	4904.5	4926.7
52.5°	5173.4	5231.1	5257.8
55°	5497.8	5597.8	5626.7
57.5°	5864.5	6000.0	6040.0
60°	6224.5	6415.6	6480.0
62.5°	6531.1	6800.0	6880.0
65°	6746.7	7071.2	7188.9
67.5°	6791.1	7175.6	7315.6
70°	6524.5	6917.8	7080.0
72.5°	5673.4	6028.9	6231.1
75°	3351.1	3606.7	3544.5
77.5°	1682.2	1755.6	1766.7
80°	737.8	782.2	800.0
82.5°	182.2	186.7	211.1
85°	24.4	28.9	26.7
87.5°	8.9	8.9	11.1
90°	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: SP1-2511-595-3

Test Date: 01/09/2026

Luminaire Tested: GKO-PB1C-835-U-T4W

Data in this report applies to families of products including GKO-PB1C

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2511-595-3
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 01/09/2026
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GKO-PB1C-835-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K): 3422
 CIE u' : 0.2372
 CIE v' : 0.5144
 Duv: 0.0012
 CIE x: 0.4111
 CIE y: 0.3962
 CIE z: 0.1928
 Peak Wavelength (nm): 598
 Dominant Wavelength (nm): 580
 Purity: 42.28884
 R_f: 83.9
 R_g: 95.8

CRI (Ra): 81.5
 R1: 79.2
 R2: 88.7
 R3: 96.3
 R4: 80.3
 R5: 79.7
 R6: 85.6
 R7: 83.5
 R8: 58.4
 R9: -1.4
 R10: 74.4
 R11: 79.7
 R12: 66.0
 R13: 81.3
 R14: 98.3
 R15: 71.2



Test Conditions

Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.1

REPORT NUMBER: SP1-2511-595-3

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

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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	278	NR	620	878	NR	750	23	NR	880	1	NR
365	0	NR	495	338	NR	625	823	NR	755	20	NR	885	0	NR
370	0	NR	500	398	NR	630	763	NR	760	17	NR	890	0	NR
375	0	NR	505	448	NR	635	697	NR	765	14	NR	895	0	NR
380	0	NR	510	490	NR	640	633	NR	770	12	NR	900	0	NR
385	1	NR	515	527	NR	645	568	NR	775	10	NR	905	0	NR
390	2	NR	520	550	NR	650	508	NR	780	9	NR	910	0	NR
395	3	NR	525	571	NR	655	450	NR	785	7	NR	915	0	NR
400	5	NR	530	589	NR	660	395	NR	790	6	NR	920	0	NR
405	8	NR	535	610	NR	665	345	NR	795	5	NR	925	0	NR
410	13	NR	540	631	NR	670	299	NR	800	5	NR	930	0	NR
415	21	NR	545	656	NR	675	259	NR	805	4	NR	935	0	NR
420	37	NR	550	685	NR	680	223	NR	810	4	NR	940	0	NR
425	65	NR	555	717	NR	685	191	NR	815	3	NR	945	0	NR
430	114	NR	560	758	NR	690	164	NR	820	3	NR	950	0	NR
435	198	NR	565	799	NR	695	139	NR	825	2	NR	955	0	NR
440	359	NR	570	841	NR	700	118	NR	830	2	NR	960	0	NR
445	663	NR	575	883	NR	705	101	NR	835	2	NR	965	0	NR
450	782	NR	580	924	NR	710	86	NR	840	1	NR	970	0	NR
455	533	NR	585	954	NR	715	73	NR	845	1	NR	975	0	NR
460	398	NR	590	982	NR	720	62	NR	850	1	NR	980	0	NR
465	341	NR	595	999	NR	725	52	NR	855	1	NR	985	0	NR
470	244	NR	600	996	NR	730	44	NR	860	1	NR	990	0	NR
475	204	NR	605	984	NR	735	37	NR	865	1	NR	995	0	NR
480	214	NR	610	960	NR	740	32	NR	870	1	NR	1000	0	NR
485	236	NR	615	923	NR	745	27	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.48

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	278	NR	620	878	NR	750	23	NR	880	1	NR
365	0	NR	495	338	NR	625	823	NR	755	20	NR	885	0	NR
370	0	NR	500	398	NR	630	763	NR	760	17	NR	890	0	NR
375	0	NR	505	448	NR	635	697	NR	765	14	NR	895	0	NR
380	0	NR	510	490	NR	640	633	NR	770	12	NR	900	0	NR
385	1	NR	515	527	NR	645	568	NR	775	10	NR	905	0	NR
390	2	NR	520	550	NR	650	508	NR	780	9	NR	910	0	NR
395	3	NR	525	571	NR	655	450	NR	785	7	NR	915	0	NR
400	5	NR	530	589	NR	660	395	NR	790	6	NR	920	0	NR
405	8	NR	535	610	NR	665	345	NR	795	5	NR	925	0	NR
410	13	NR	540	631	NR	670	299	NR	800	5	NR	930	0	NR
415	21	NR	545	656	NR	675	259	NR	805	4	NR	935	0	NR
420	37	NR	550	685	NR	680	223	NR	810	4	NR	940	0	NR
425	65	NR	555	717	NR	685	191	NR	815	3	NR	945	0	NR
430	114	NR	560	758	NR	690	164	NR	820	3	NR	950	0	NR
435	198	NR	565	799	NR	695	139	NR	825	2	NR	955	0	NR
440	359	NR	570	841	NR	700	118	NR	830	2	NR	960	0	NR
445	663	NR	575	883	NR	705	101	NR	835	2	NR	965	0	NR
450	782	NR	580	924	NR	710	86	NR	840	1	NR	970	0	NR
455	533	NR	585	954	NR	715	73	NR	845	1	NR	975	0	NR
460	398	NR	590	982	NR	720	62	NR	850	1	NR	980	0	NR
465	341	NR	595	999	NR	725	52	NR	855	1	NR	985	0	NR
470	244	NR	600	996	NR	730	44	NR	860	1	NR	990	0	NR
475	204	NR	605	984	NR	735	37	NR	865	1	NR	995	0	NR
480	214	NR	610	960	NR	740	32	NR	870	1	NR	1000	0	NR
485	236	NR	615	923	NR	745	27	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.92

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	278	NR	620	878	NR	750	23	NR	880	1	NR
365	0	NR	495	338	NR	625	823	NR	755	20	NR	885	0	NR
370	0	NR	500	398	NR	630	763	NR	760	17	NR	890	0	NR
375	0	NR	505	448	NR	635	697	NR	765	14	NR	895	0	NR
380	0	NR	510	490	NR	640	633	NR	770	12	NR	900	0	NR
385	1	NR	515	527	NR	645	568	NR	775	10	NR	905	0	NR
390	2	NR	520	550	NR	650	508	NR	780	9	NR	910	0	NR
395	3	NR	525	571	NR	655	450	NR	785	7	NR	915	0	NR
400	5	NR	530	589	NR	660	395	NR	790	6	NR	920	0	NR
405	8	NR	535	610	NR	665	345	NR	795	5	NR	925	0	NR
410	13	NR	540	631	NR	670	299	NR	800	5	NR	930	0	NR
415	21	NR	545	656	NR	675	259	NR	805	4	NR	935	0	NR
420	37	NR	550	685	NR	680	223	NR	810	4	NR	940	0	NR
425	65	NR	555	717	NR	685	191	NR	815	3	NR	945	0	NR
430	114	NR	560	758	NR	690	164	NR	820	3	NR	950	0	NR
435	198	NR	565	799	NR	695	139	NR	825	2	NR	955	0	NR
440	359	NR	570	841	NR	700	118	NR	830	2	NR	960	0	NR
445	663	NR	575	883	NR	705	101	NR	835	2	NR	965	0	NR
450	782	NR	580	924	NR	710	86	NR	840	1	NR	970	0	NR
455	533	NR	585	954	NR	715	73	NR	845	1	NR	975	0	NR
460	398	NR	590	982	NR	720	62	NR	850	1	NR	980	0	NR
465	341	NR	595	999	NR	725	52	NR	855	1	NR	985	0	NR
470	244	NR	600	996	NR	730	44	NR	860	1	NR	990	0	NR
475	204	NR	605	984	NR	735	37	NR	865	1	NR	995	0	NR
480	214	NR	610	960	NR	740	32	NR	870	1	NR	1000	0	NR
485	236	NR	615	923	NR	745	27	NR	875	1	NR			

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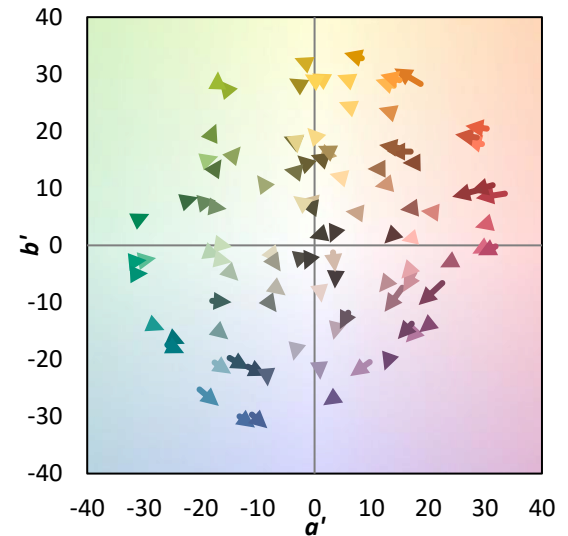
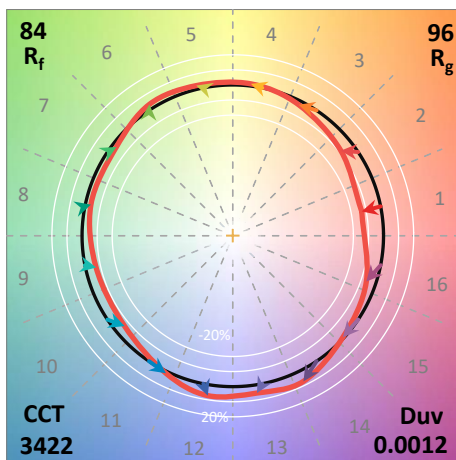
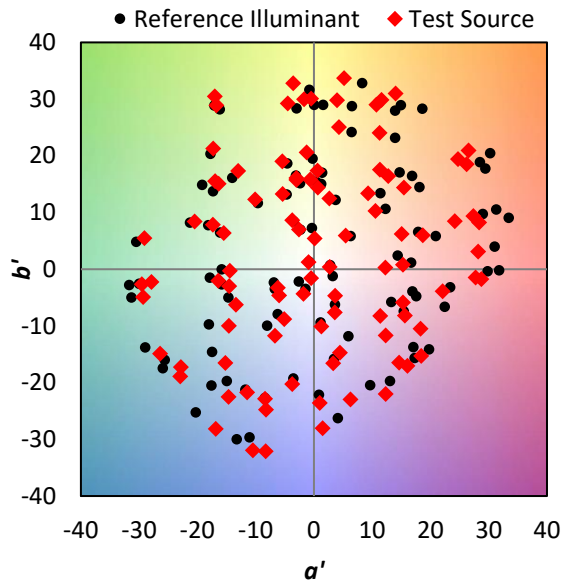
TM-30-18

Summary

$R_f = 83.9$
 $R_g = 95.8$
 $CIE R_a = 81.5$
 $R_g = -1.4$

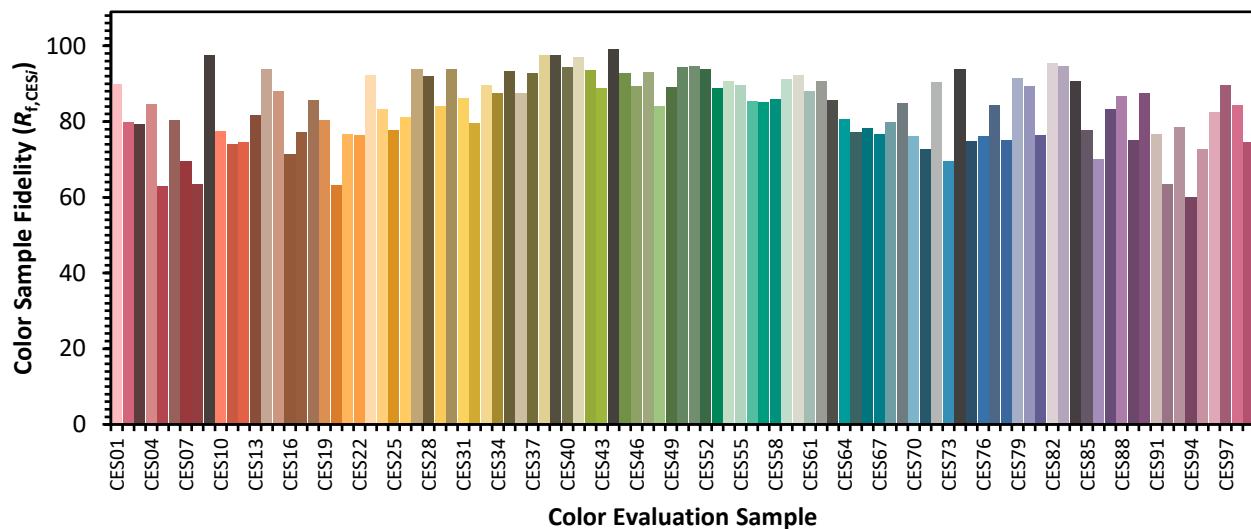


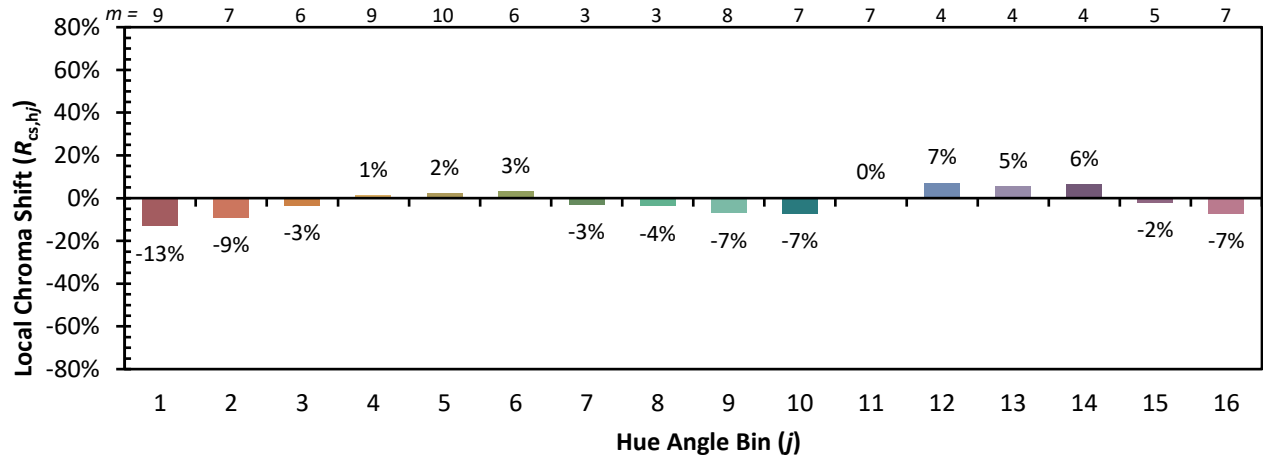
Color Vector Graphics



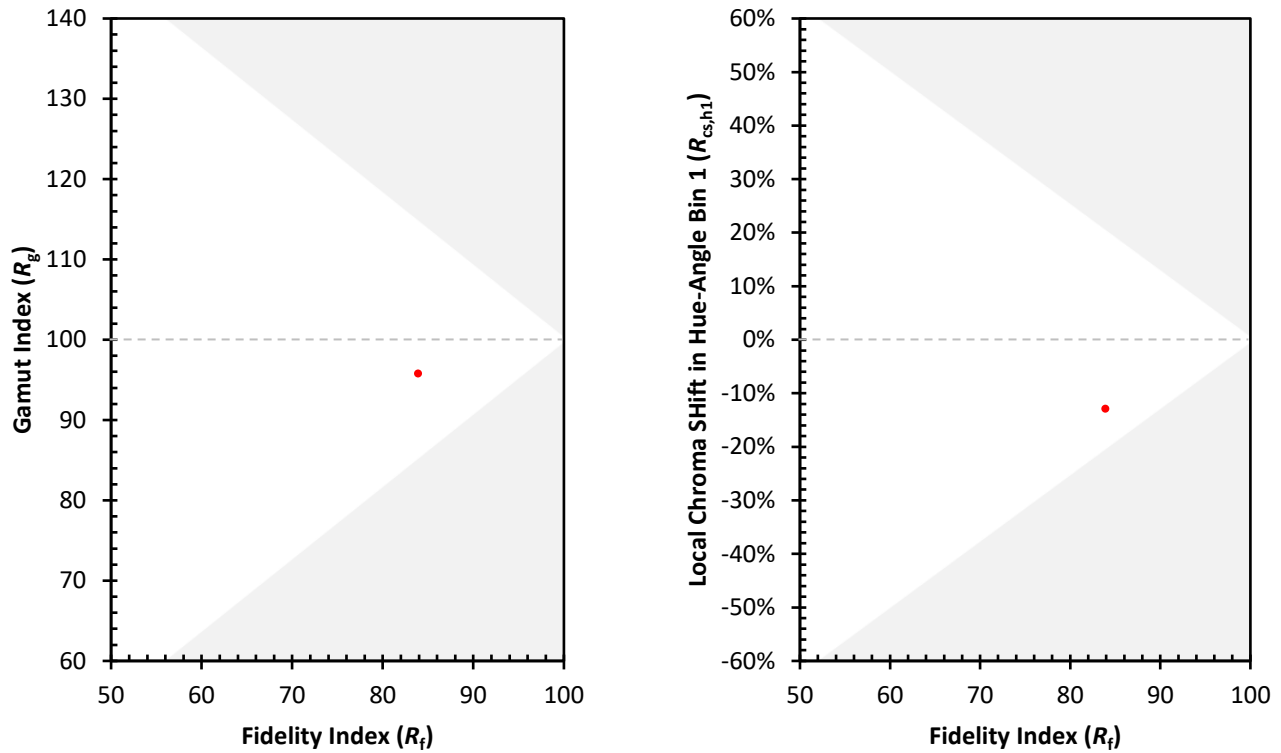
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 81	CES51 = 95	CES76 = 76
CES02 = 62	CES27 = 94	CES52 = 94	CES77 = 84
CES03 = 31	CES28 = 92	CES53 = 89	CES78 = 75
CES04 = 70	CES29 = 84	CES54 = 91	CES79 = 91
CES05 = 49	CES30 = 94	CES55 = 90	CES80 = 89
CES06 = 51	CES31 = 86	CES56 = 85	CES81 = 76
CES07 = 41	CES32 = 80	CES57 = 85	CES82 = 95
CES08 = 40	CES33 = 90	CES58 = 86	CES83 = 95
CES09 = 29	CES34 = 87	CES59 = 91	CES84 = 91
CES10 = 75	CES35 = 93	CES60 = 92	CES85 = 78
CES11 = 58	CES36 = 87	CES61 = 88	CES86 = 70
CES12 = 64	CES37 = 93	CES62 = 91	CES87 = 83
CES13 = 43	CES38 = 98	CES63 = 86	CES88 = 87
CES14 = 74	CES39 = 98	CES64 = 81	CES89 = 75
CES15 = 71	CES40 = 94	CES65 = 77	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 78	CES91 = 77
CES17 = 50	CES42 = 94	CES67 = 77	CES92 = 63
CES18 = 56	CES43 = 89	CES68 = 80	CES93 = 78
CES19 = 72	CES44 = 99	CES69 = 85	CES94 = 60
CES20 = 66	CES45 = 93	CES70 = 76	CES95 = 73
CES21 = 86	CES46 = 89	CES71 = 73	CES96 = 83
CES22 = 78	CES47 = 93	CES72 = 90	CES97 = 90
CES23 = 92	CES48 = 84	CES73 = 70	CES98 = 84
CES24 = 91	CES49 = 89	CES74 = 94	CES99 = 74
CES25 = 72	CES50 = 94	CES75 = 75	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)