

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: INVUE

Report Number: P880253

Luminaire Tested: **EMM2-HSN-VA4-727-U-WT4**

Issue Date: 10/01/2024



Test Information

Test Method: LM-79-08
Report Number: P880253
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/01/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: EMM2-HSN-VA4-727-U-WT4
Description: EPIC MODERN SHORT HOUSING 4W 70CRI 2700K VISUAL COMFORT FIXTURE w/
DRIVE LANE TYPE IV DISTRIBUTION OPTIC
Light Source: (1) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

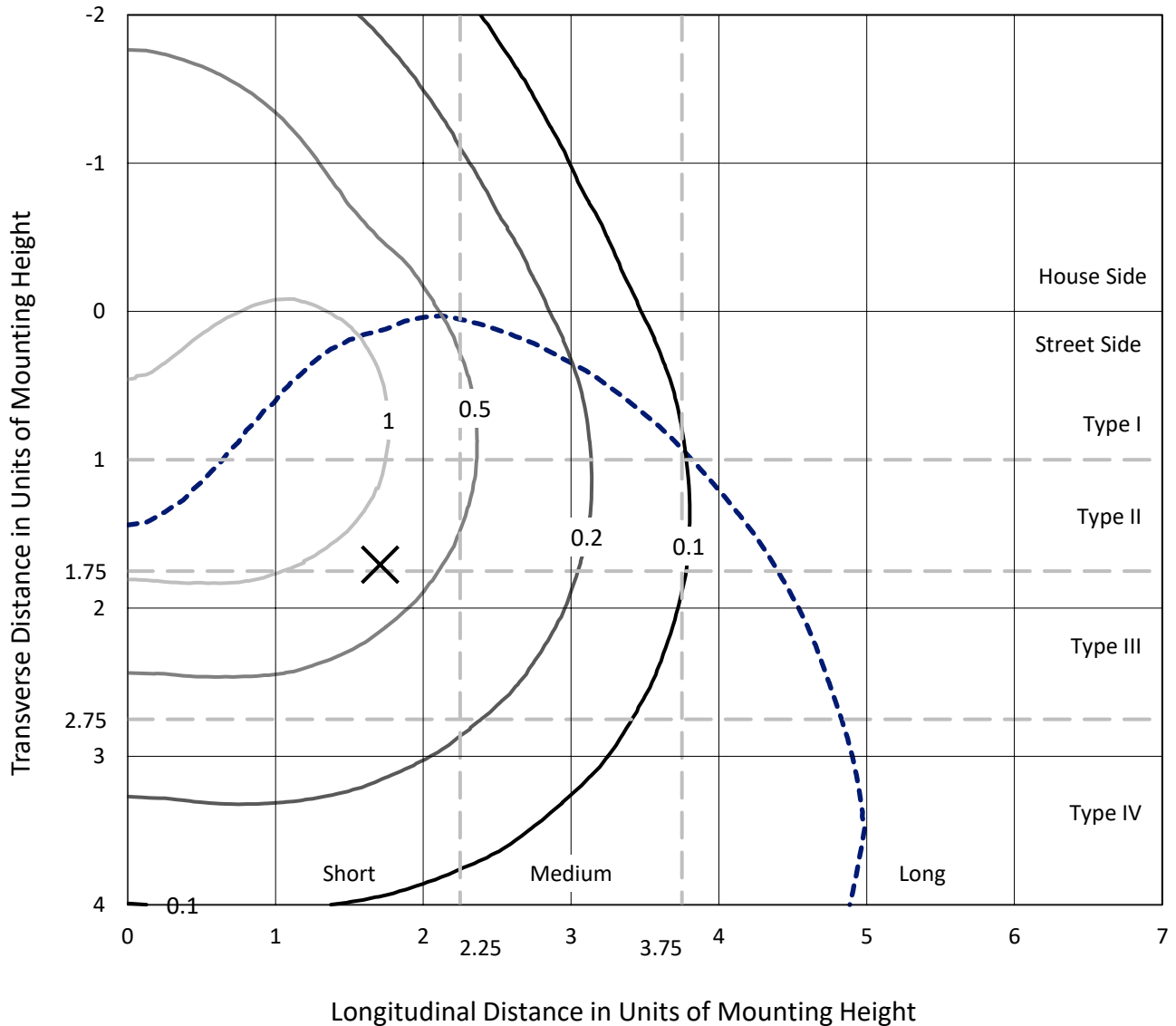
Lumens per Lamp: N/A
Luminaire Lumens: 5651.1 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 59
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 8%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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 CATALOG NUMBER: EMM2-HSN-VA4-727-U-WT4

Iso-Footcandle Lines of Horizontal Illumination

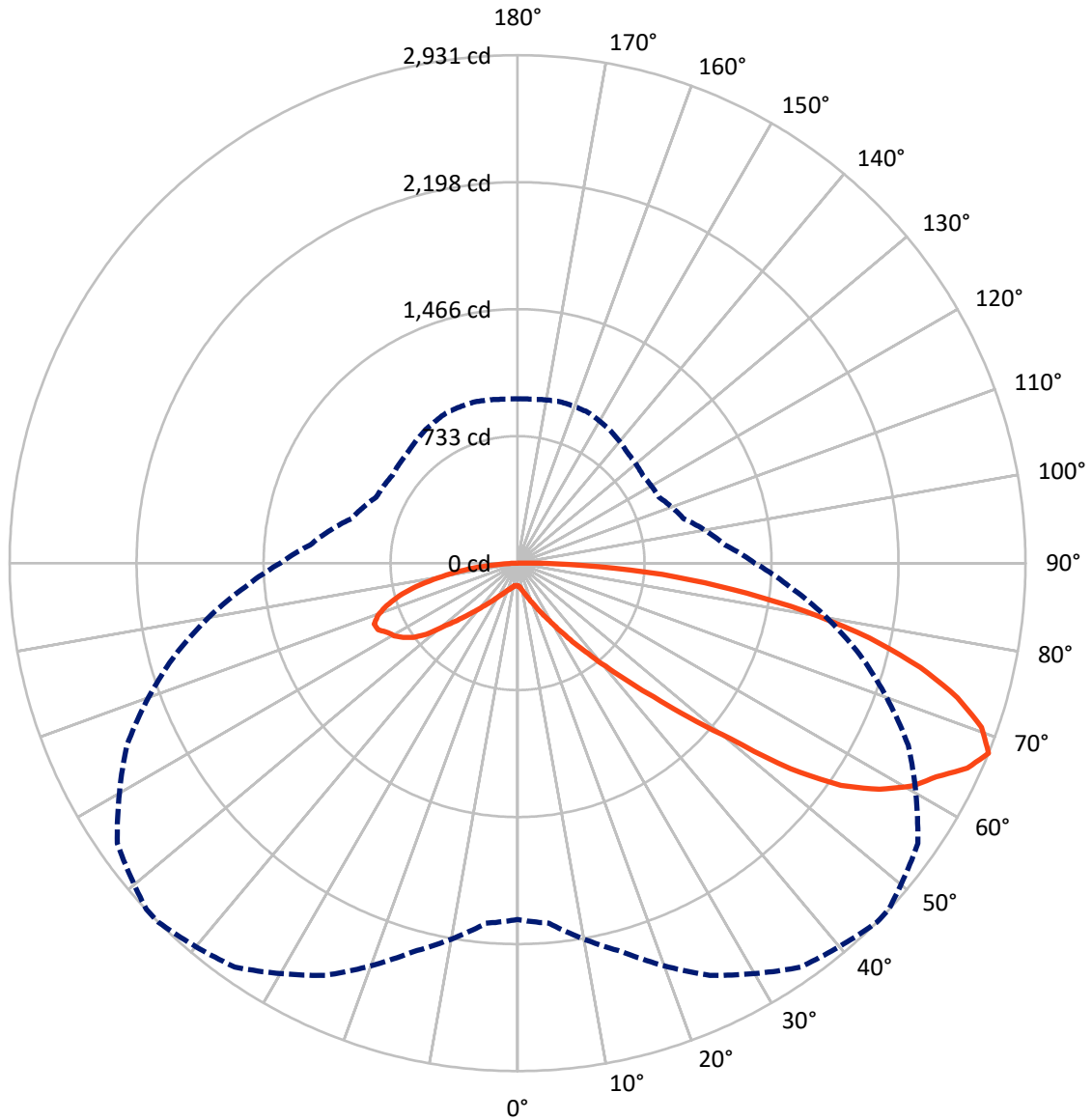
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1674.8	0.0	1674.8
	% Fixture	29.6	0.0	29.6
Street Side	Lumens	3976.3	0.0	3976.3
	% Fixture	70.4	0.0	70.4
Total	Lumens	5651.1	0.0	5651.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.2
10°-20°	50.3	0.9
20°-30°	118.4	2.1
30°-40°	259.7	4.6
40°-50°	565.5	10.0
50°-60°	1161.8	20.6
60°-70°	1636.9	29.0
70°-80°	1389.7	24.6
80°-90°	455.4	8.1
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°	5651.1	100.0
0°-180°	5651.1	100.0



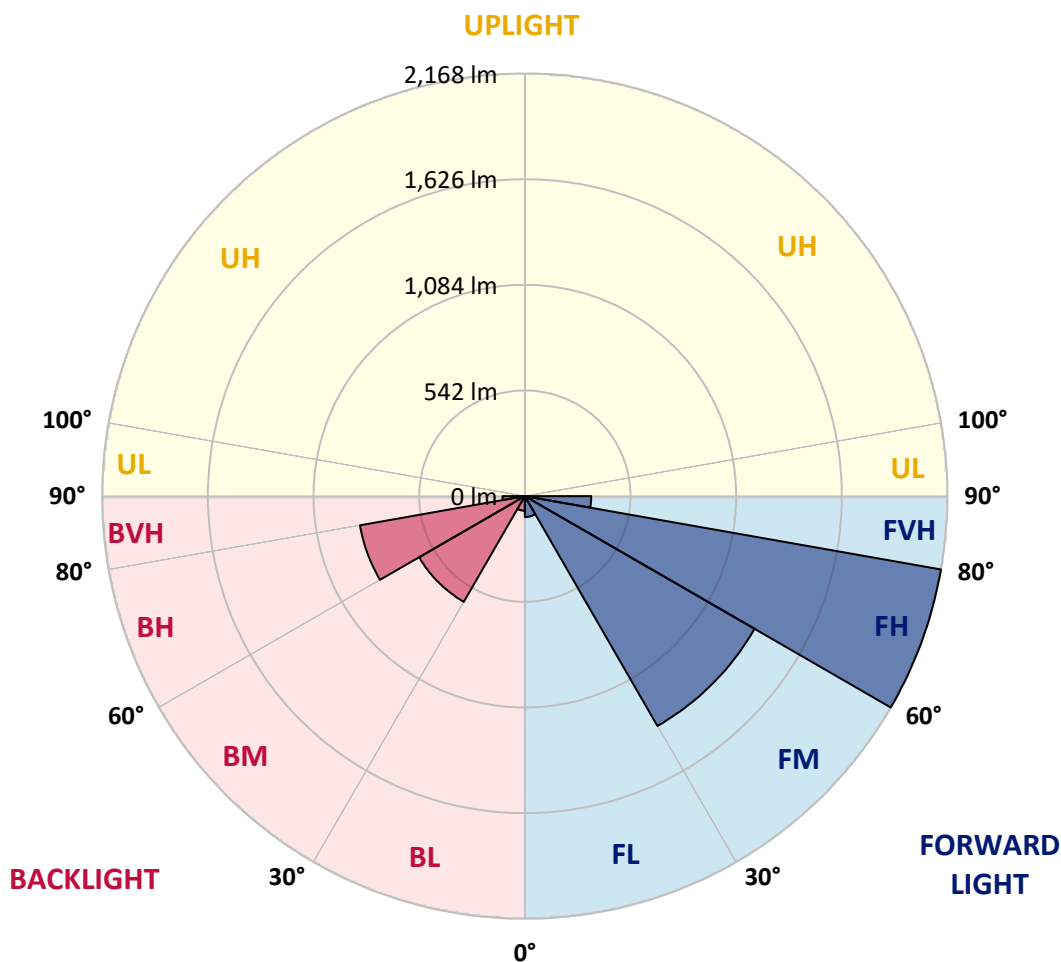
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	106.9	1.9			
FM (30°-60°)	1361.1	24.1			
FH (60°-80°)	2167.7	38.4			G2/5000
FVH (80°-90°)	340.6	6.0			G3/500
BL (0°-30°)	75.2	1.3	B0/110		
BM (30°-60°)	626.0	11.1	B1/1000		
BH (60°-80°)	858.8	15.2	B2/1000		G2/1000
BVH (80°-90°)	114.9	2.0			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CATALOG NUMBER: EMM2-HSN-VA4-727-U-WT4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2.5°	134.5	134.0	134.5	134.5	134.5	134.0	134.0	134.0	133.4	132.8	132.2
5°	142.6	142.6	142.6	142.0	142.0	140.9	140.9	140.3	139.1	138.0	136.8
7.5°	153.6	153.0	153.0	152.4	151.8	150.7	150.1	149.5	147.2	145.5	143.2
10°	166.9	166.9	166.3	165.1	165.1	162.2	162.8	161.7	158.8	155.3	151.3
12.5°	183.0	183.0	181.9	181.9	180.7	178.4	177.8	176.1	173.2	167.4	162.8
15°	200.9	200.9	202.1	200.9	199.8	196.9	196.9	194.6	188.2	183.6	176.7
17.5°	223.4	220.6	222.3	221.7	221.7	220.0	218.2	215.4	210.2	202.1	193.4
20°	246.5	247.1	245.4	247.1	247.7	245.4	245.4	241.9	234.4	224.6	210.7
22.5°	275.4	275.4	271.9	276.6	279.4	277.7	277.1	270.2	261.0	247.7	233.8
25°	305.4	304.3	310.1	311.2	317.6	317.0	316.4	310.1	296.2	280.0	258.7
27.5°	339.5	341.2	352.2	355.1	361.4	360.9	360.3	353.4	338.3	316.4	288.7
30°	381.6	384.0	394.3	404.2	415.1	416.3	415.1	409.4	387.4	358.6	327.4
32.5°	430.7	437.1	447.5	464.2	478.1	484.4	485.6	475.2	450.4	412.2	371.3
35°	497.7	492.5	506.9	534.7	557.7	570.4	569.9	556.0	528.9	480.4	422.1
37.5°	563.5	561.8	584.3	620.7	651.9	662.3	665.1	655.9	621.3	557.2	488.5
40°	632.2	646.7	672.6	714.8	761.0	782.9	784.7	771.4	724.0	651.9	561.2
42.5°	721.7	736.2	769.1	821.0	888.0	924.4	926.7	911.7	854.5	761.0	649.0
45°	834.9	843.0	877.6	956.7	1042.7	1101.1	1117.8	1099.3	1028.9	899.0	758.1
47.5°	956.7	956.7	1013.3	1117.8	1247.7	1324.5	1337.2	1320.5	1215.4	1058.9	879.9
50°	1092.4	1093.0	1183.0	1332.6	1496.6	1592.4	1602.2	1561.8	1434.8	1221.7	1004.1
52.5°	1233.3	1248.3	1379.9	1606.3	1826.2	1972.9	1982.7	1935.9	1766.8	1455.0	1136.3
55°	1427.3	1450.9	1642.1	1919.8	2148.4	2263.9	2264.5	2208.5	2005.2	1681.3	1294.5
57.5°	1696.3	1705.6	1884.0	2167.5	2383.4	2462.5	2456.7	2374.7	2140.3	1807.8	1424.4
60°	1918.6	1940.0	2085.5	2348.8	2559.5	2613.8	2607.4	2498.9	2232.7	1881.7	1486.7
62.5°	2064.7	2075.1	2225.8	2478.7	2668.1	2713.7	2706.7	2605.7	2345.9	2010.4	1590.7
65°	2099.9	2117.2	2308.3	2565.3	2748.9	2851.7	2847.0	2792.8	2526.0	2105.7	1639.7
67.5°	2057.2	2086.1	2320.5	2624.8	2845.9	2931.3	2929.0	2819.9	2487.3	2044.5	1578.0
70°	1970.0	1994.8	2285.8	2618.4	2817.6	2840.7	2822.8	2698.1	2373.6	1942.9	1485.6
72.5°	1832.6	1874.7	2158.8	2473.5	2639.8	2654.8	2648.4	2496.0	2202.7	1767.9	1345.9
75°	1652.4	1703.8	1961.3	2216.0	2374.2	2400.2	2388.0	2254.7	1957.9	1549.1	1172.7
77.5°	1424.4	1453.3	1649.6	1891.5	2073.4	2078.0	2071.0	1922.1	1649.0	1297.4	986.7
80°	1122.4	1139.7	1310.1	1511.6	1662.3	1680.7	1674.4	1573.9	1309.5	1026.6	769.6
82.5°	831.4	819.9	934.2	1099.3	1248.9	1250.0	1260.4	1149.0	980.4	744.8	550.8
85°	478.6	483.3	582.6	695.2	785.8	838.3	837.8	784.1	630.5	474.0	336.0
87.5°	133.4	143.8	206.7	300.8	341.8	371.8	360.9	325.6	263.3	149.0	85.5
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: P880253

CATALOG NUMBER: EMM2-HSN-VA4-727-U-WT4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2.5°	132.2	131.6	131.1	130.5	129.3	129.3	128.8	129.3	129.3	129.3	129.3
5°	135.7	135.1	133.4	132.2	130.5	129.3	128.8	128.8	128.8	128.8	128.8
7.5°	141.5	140.9	138.0	135.7	133.4	132.2	131.1	130.5	129.9	129.3	129.9
10°	150.1	147.8	144.9	141.5	138.0	136.3	134.5	134.0	133.4	132.8	132.8
12.5°	159.9	158.2	153.0	148.4	144.9	142.0	139.7	138.6	138.0	137.4	137.4
15°	173.2	169.7	162.8	157.0	151.8	148.4	146.1	144.9	144.3	143.8	143.8
17.5°	188.2	183.6	174.4	166.9	161.1	156.5	153.6	151.8	150.7	151.3	151.8
20°	205.5	198.0	187.6	178.4	170.9	165.7	162.8	160.5	159.4	159.9	160.5
22.5°	225.8	217.7	202.7	191.7	182.5	176.1	173.2	171.5	170.3	169.7	168.6
25°	248.8	238.5	221.1	206.1	195.2	188.8	185.3	184.2	183.0	181.9	181.9
27.5°	276.6	264.4	240.8	224.6	211.3	205.0	200.9	199.2	199.2	197.5	197.5
30°	308.9	292.7	263.9	242.5	229.2	221.1	216.5	215.9	214.8	216.5	216.5
32.5°	347.6	325.6	290.4	265.6	250.6	243.1	238.5	237.3	235.6	236.7	240.2
35°	396.1	367.8	325.6	296.2	277.7	270.2	264.4	263.9	261.0	263.9	259.2
37.5°	450.4	419.2	363.2	328.5	308.3	299.7	295.6	293.9	293.3	293.3	289.8
40°	516.8	479.2	411.1	368.4	345.3	334.9	330.8	330.3	329.1	333.1	329.1
42.5°	598.7	541.6	460.7	412.2	388.6	377.6	373.0	371.3	374.1	375.9	375.3
45°	690.0	628.2	524.3	468.3	441.1	430.1	423.8	422.1	423.2	423.2	429.0
47.5°	795.0	722.3	597.0	529.5	504.6	491.3	487.3	481.5	478.6	477.5	487.3
50°	904.7	814.1	671.5	595.9	573.3	562.9	564.1	552.5	548.5	543.9	542.7
52.5°	1015.0	912.3	756.4	688.2	662.3	667.4	665.1	653.0	629.3	623.6	609.7
55°	1147.2	1023.1	837.8	756.4	733.8	737.9	747.1	747.1	741.9	729.2	718.3
57.5°	1259.3	1114.9	899.0	797.4	777.7	788.1	806.6	820.5	832.6	841.8	841.2
60°	1321.6	1171.5	938.8	828.5	805.4	825.6	853.4	877.0	903.0	930.2	929.0
62.5°	1407.6	1250.6	1009.8	884.0	844.1	850.5	882.2	923.2	946.9	969.4	975.8
65°	1430.2	1265.0	1036.4	923.2	890.9	892.0	913.4	946.9	967.1	972.9	976.3
67.5°	1369.5	1201.5	992.5	900.1	882.8	899.0	933.6	960.2	963.1	949.2	948.1
70°	1278.3	1123.6	923.2	845.9	834.9	859.7	905.3	937.1	930.2	901.9	900.1
72.5°	1149.6	1005.8	830.3	774.3	763.3	794.5	834.9	868.4	858.0	836.6	834.9
75°	994.8	860.3	717.7	676.1	675.5	709.6	744.8	765.0	764.4	749.4	744.8
77.5°	826.8	717.7	591.2	553.7	567.6	599.9	625.9	640.9	635.7	630.5	628.8
80°	647.2	550.2	456.1	433.6	455.0	465.9	493.7	492.5	495.4	484.4	492.5
82.5°	460.7	396.7	326.8	317.0	319.9	341.8	356.8	355.1	347.6	339.5	336.0
85°	279.4	244.2	209.6	195.7	205.5	203.8	213.1	205.5	200.9	196.9	200.3
87.5°	77.4	67.0	64.1	46.2	57.2	45.0	47.3	32.9	28.9	34.6	30.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2407-176-2

Test Date: 09/24/2024

Luminaire Tested: MEM2-HTN-VA-30-727-U-WQ

Data in this report applies to families of products including MEM2-HTN-VA-30-727-U-WQ

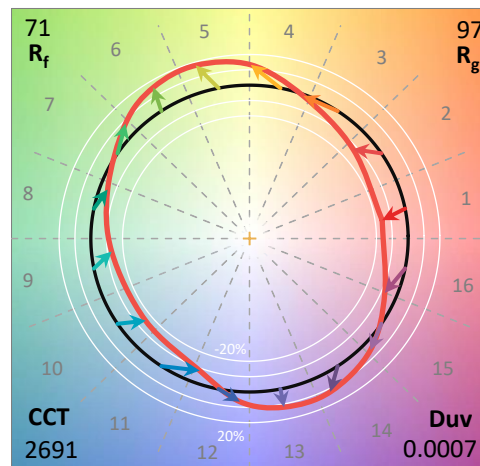
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-176-2
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 09/27/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Streetworks
 Catalog Number: **MEM2-HTN-VA-30-727-U-WQ**
 Description: EPIC MODERN VISUAL COMFORT 30W WAVESTREAM WIDE

Spectral Parameters

CCT (K): 2691
 CIE u': 0.2627
 CIE v': 0.5285
 Duv: 0.0007
 CIE x: 0.4618
 CIE y: 0.4129
 CIE z: 0.1254
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 584
 Purity: 62.54863
 R_f: 70.6
 R_g: 97.2

CRI (Ra):	70.6		
R1:	67.7	R9:	-27.1
R2:	79.8	R10:	53.1
R3:	90.6	R11:	61.9
R4:	67.7	R12:	42.2
R5:	65.3	R13:	69.4
R6:	71.1	R14:	94.1
R7:	78.1	R15:	60.4
R8:	44.7		



Test Conditions

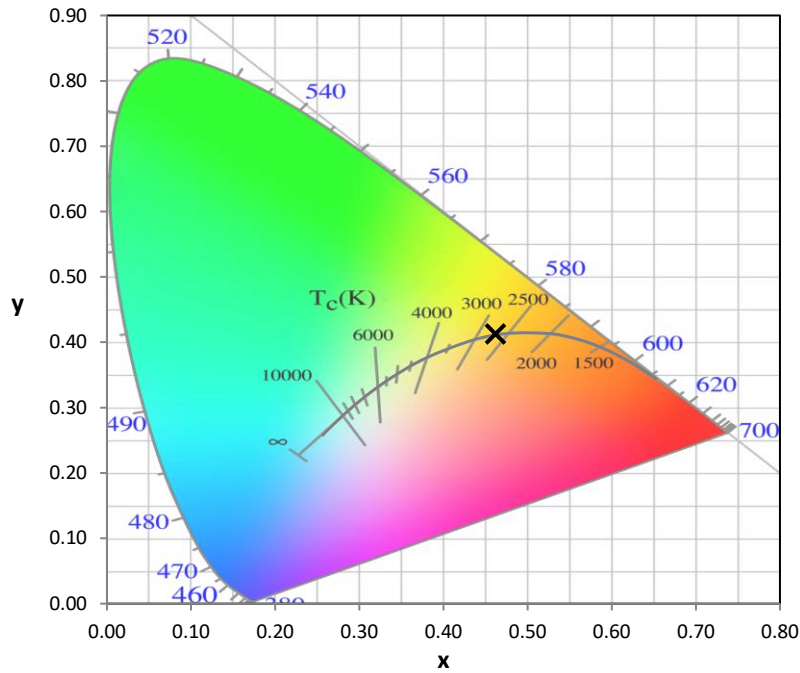
Stabilization Time: 28M
 Operation Time: 1H 28M
 Sphere Temperature (°C): 25.2

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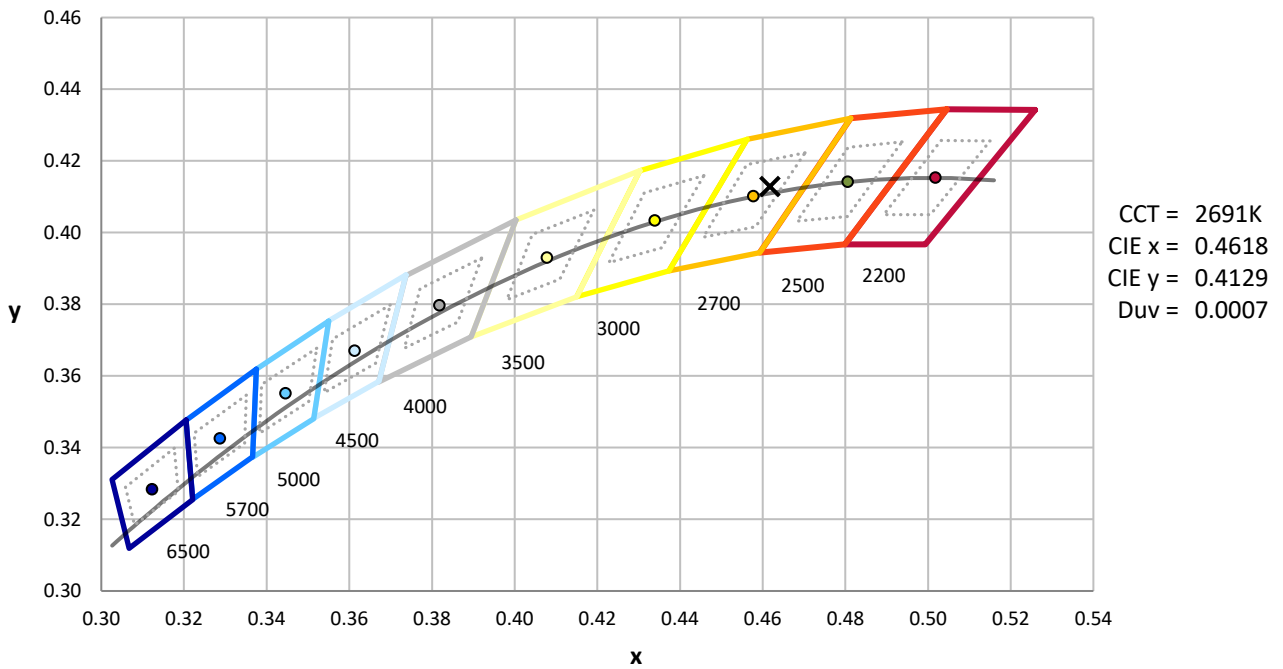
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



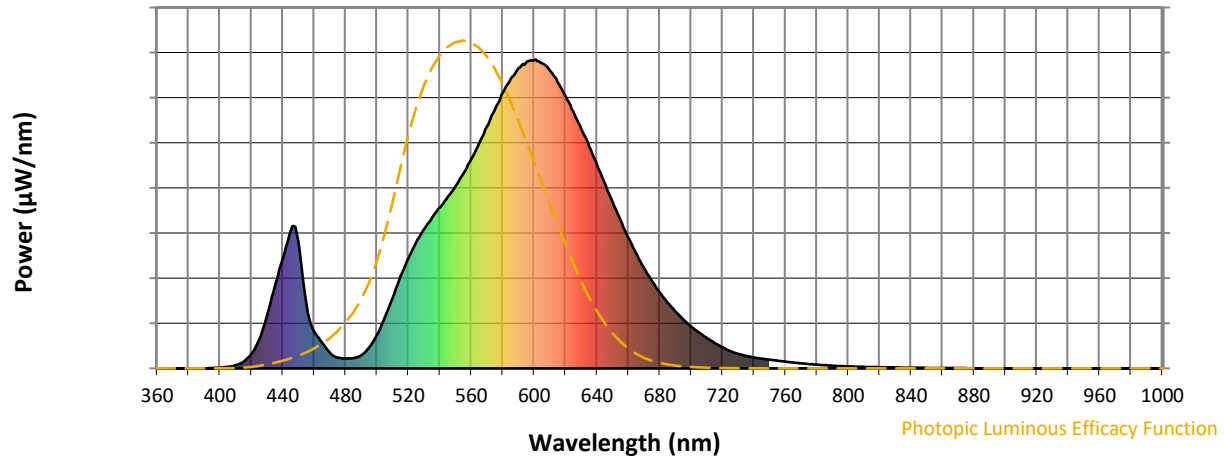
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

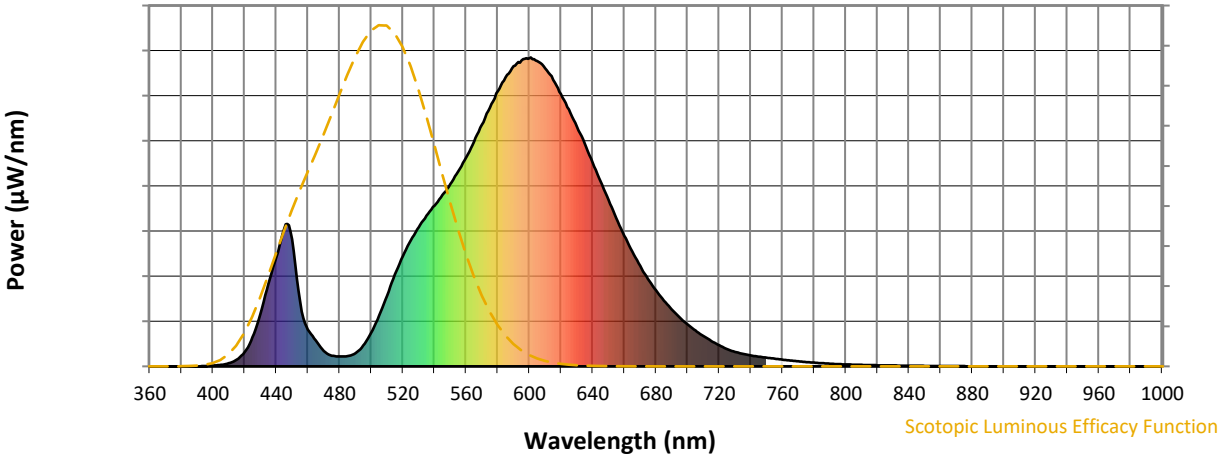


Photopic Lumens: NR

λ (nm)	Power W [^] /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	43	NR	620	881	NR	750	28	NR	880	0	NR
365	0	NR	495	67	NR	625	832	NR	755	25	NR	885	0	NR
370	0	NR	500	108	NR	630	776	NR	760	22	NR	890	0	NR
375	0	NR	505	165	NR	635	720	NR	765	19	NR	895	0	NR
380	0	NR	510	229	NR	640	660	NR	770	16	NR	900	0	NR
385	0	NR	515	297	NR	645	599	NR	775	14	NR	905	0	NR
390	0	NR	520	357	NR	650	538	NR	780	12	NR	910	0	NR
395	1	NR	525	408	NR	655	480	NR	785	10	NR	915	0	NR
400	3	NR	530	451	NR	660	423	NR	790	9	NR	920	0	NR
405	5	NR	535	488	NR	665	372	NR	795	7	NR	925	0	NR
410	10	NR	540	521	NR	670	325	NR	800	6	NR	930	0	NR
415	21	NR	545	555	NR	675	282	NR	805	5	NR	935	0	NR
420	46	NR	550	590	NR	680	246	NR	810	5	NR	940	0	NR
425	94	NR	555	631	NR	685	213	NR	815	4	NR	945	0	NR
430	169	NR	560	677	NR	690	185	NR	820	4	NR	950	0	NR
435	268	NR	565	728	NR	695	158	NR	825	3	NR	955	0	NR
440	354	NR	570	782	NR	700	136	NR	830	3	NR	960	0	NR
445	445	NR	575	838	NR	705	116	NR	835	2	NR	965	0	NR
450	411	NR	580	891	NR	710	98	NR	840	2	NR	970	0	NR
455	210	NR	585	935	NR	715	82	NR	845	2	NR	975	0	NR
460	119	NR	590	972	NR	720	68	NR	850	2	NR	980	0	NR
465	84	NR	595	991	NR	725	56	NR	855	1	NR	985	0	NR
470	50	NR	600	997	NR	730	47	NR	860	1	NR	990	0	NR
475	35	NR	605	988	NR	735	40	NR	865	1	NR	995	0	NR
480	32	NR	610	965	NR	740	35	NR	870	1	NR	1000	0	NR
485	33	NR	615	927	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

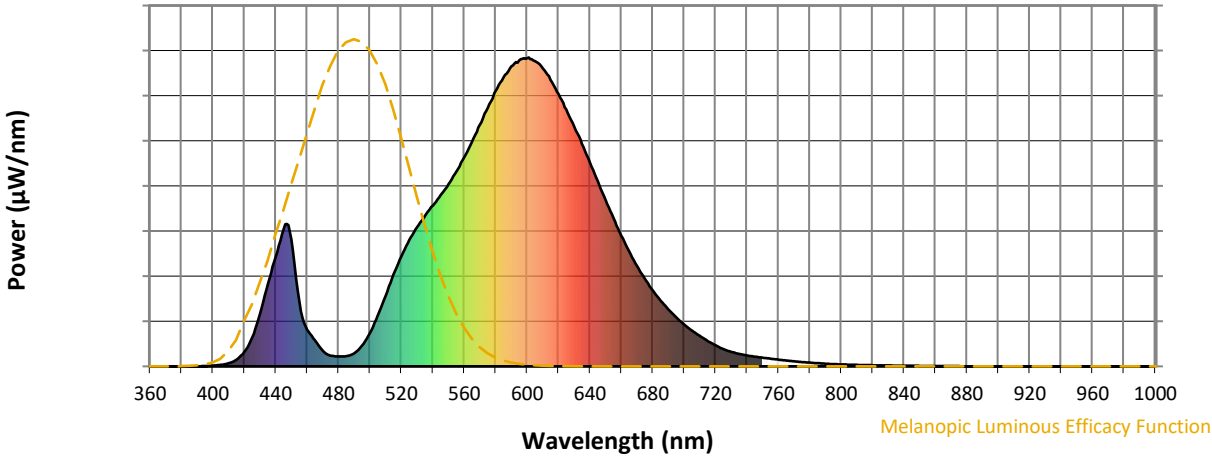


Scotopic Lumens: NR S/P: 1.03

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	43	NR	620	881	NR	750	28	NR	880	0	NR
365	0	NR	495	67	NR	625	832	NR	755	25	NR	885	0	NR
370	0	NR	500	108	NR	630	776	NR	760	22	NR	890	0	NR
375	0	NR	505	165	NR	635	720	NR	765	19	NR	895	0	NR
380	0	NR	510	229	NR	640	660	NR	770	16	NR	900	0	NR
385	0	NR	515	297	NR	645	599	NR	775	14	NR	905	0	NR
390	0	NR	520	357	NR	650	538	NR	780	12	NR	910	0	NR
395	1	NR	525	408	NR	655	480	NR	785	10	NR	915	0	NR
400	3	NR	530	451	NR	660	423	NR	790	9	NR	920	0	NR
405	5	NR	535	488	NR	665	372	NR	795	7	NR	925	0	NR
410	10	NR	540	521	NR	670	325	NR	800	6	NR	930	0	NR
415	21	NR	545	555	NR	675	282	NR	805	5	NR	935	0	NR
420	46	NR	550	590	NR	680	246	NR	810	5	NR	940	0	NR
425	94	NR	555	631	NR	685	213	NR	815	4	NR	945	0	NR
430	169	NR	560	677	NR	690	185	NR	820	4	NR	950	0	NR
435	268	NR	565	728	NR	695	158	NR	825	3	NR	955	0	NR
440	354	NR	570	782	NR	700	136	NR	830	3	NR	960	0	NR
445	445	NR	575	838	NR	705	116	NR	835	2	NR	965	0	NR
450	411	NR	580	891	NR	710	98	NR	840	2	NR	970	0	NR
455	210	NR	585	935	NR	715	82	NR	845	2	NR	975	0	NR
460	119	NR	590	972	NR	720	68	NR	850	2	NR	980	0	NR
465	84	NR	595	991	NR	725	56	NR	855	1	NR	985	0	NR
470	50	NR	600	997	NR	730	47	NR	860	1	NR	990	0	NR
475	35	NR	605	988	NR	735	40	NR	865	1	NR	995	0	NR
480	32	NR	610	965	NR	740	35	NR	870	1	NR	1000	0	NR
485	33	NR	615	927	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



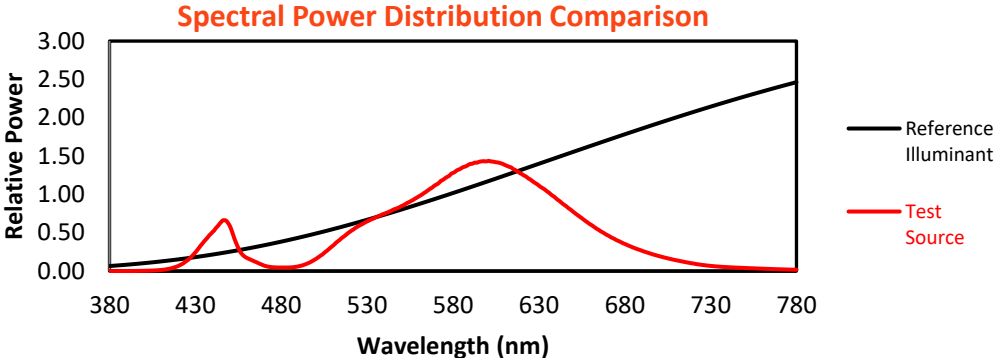
Melanopic Lumens: NR

M/P: 1.73

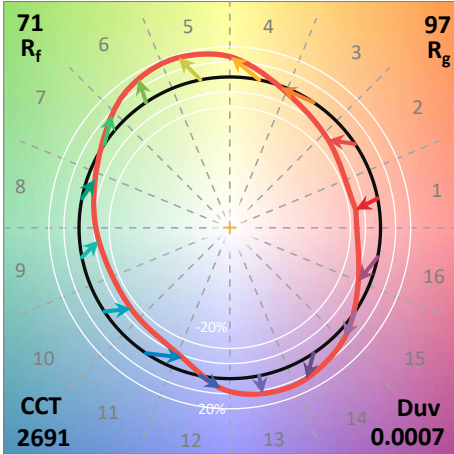
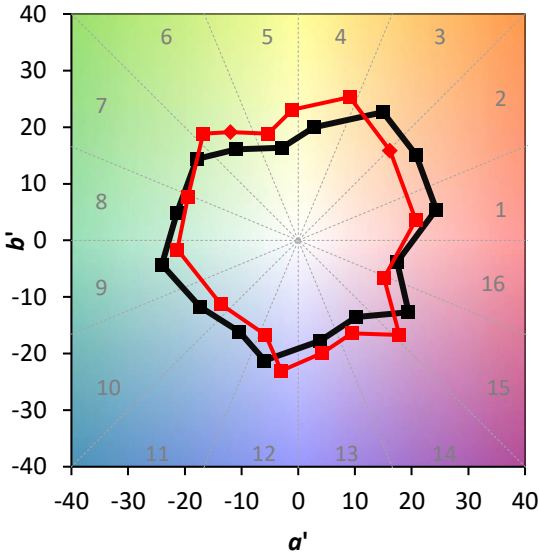
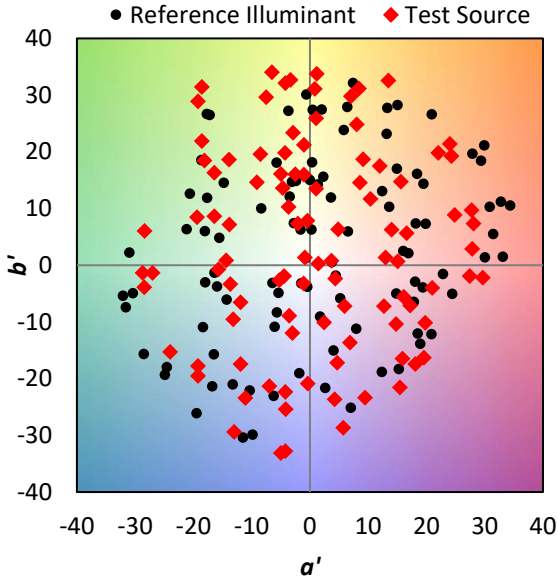
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	43	NR	620	881	NR	750	28	NR	880	0	NR
365	0	NR	495	67	NR	625	832	NR	755	25	NR	885	0	NR
370	0	NR	500	108	NR	630	776	NR	760	22	NR	890	0	NR
375	0	NR	505	165	NR	635	720	NR	765	19	NR	895	0	NR
380	0	NR	510	229	NR	640	660	NR	770	16	NR	900	0	NR
385	0	NR	515	297	NR	645	599	NR	775	14	NR	905	0	NR
390	0	NR	520	357	NR	650	538	NR	780	12	NR	910	0	NR
395	1	NR	525	408	NR	655	480	NR	785	10	NR	915	0	NR
400	3	NR	530	451	NR	660	423	NR	790	9	NR	920	0	NR
405	5	NR	535	488	NR	665	372	NR	795	7	NR	925	0	NR
410	10	NR	540	521	NR	670	325	NR	800	6	NR	930	0	NR
415	21	NR	545	555	NR	675	282	NR	805	5	NR	935	0	NR
420	46	NR	550	590	NR	680	246	NR	810	5	NR	940	0	NR
425	94	NR	555	631	NR	685	213	NR	815	4	NR	945	0	NR
430	169	NR	560	677	NR	690	185	NR	820	4	NR	950	0	NR
435	268	NR	565	728	NR	695	158	NR	825	3	NR	955	0	NR
440	354	NR	570	782	NR	700	136	NR	830	3	NR	960	0	NR
445	445	NR	575	838	NR	705	116	NR	835	2	NR	965	0	NR
450	411	NR	580	891	NR	710	98	NR	840	2	NR	970	0	NR
455	210	NR	585	935	NR	715	82	NR	845	2	NR	975	0	NR
460	119	NR	590	972	NR	720	68	NR	850	2	NR	980	0	NR
465	84	NR	595	991	NR	725	56	NR	855	1	NR	985	0	NR
470	50	NR	600	997	NR	730	47	NR	860	1	NR	990	0	NR
475	35	NR	605	988	NR	735	40	NR	865	1	NR	995	0	NR
480	32	NR	610	965	NR	740	35	NR	870	1	NR	1000	0	NR
485	33	NR	615	927	NR	745	31	NR	875	1	NR			

Summary

$R_f = 70.6$
 $R_g = 97.2$
 CIE $R_a = 70.6$
 $R_9 = -27.1$

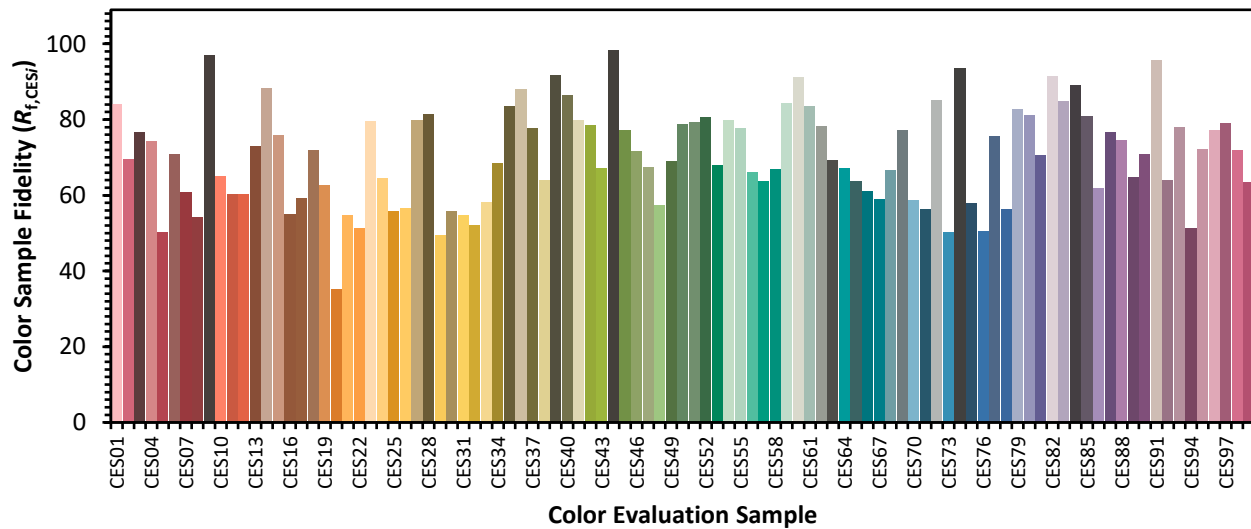


Color Vector Graphics

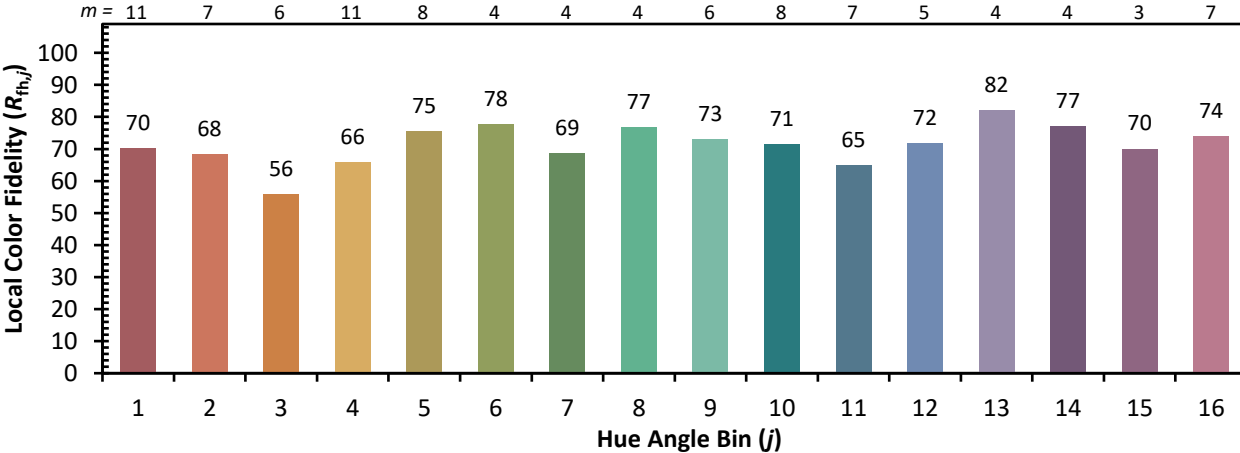
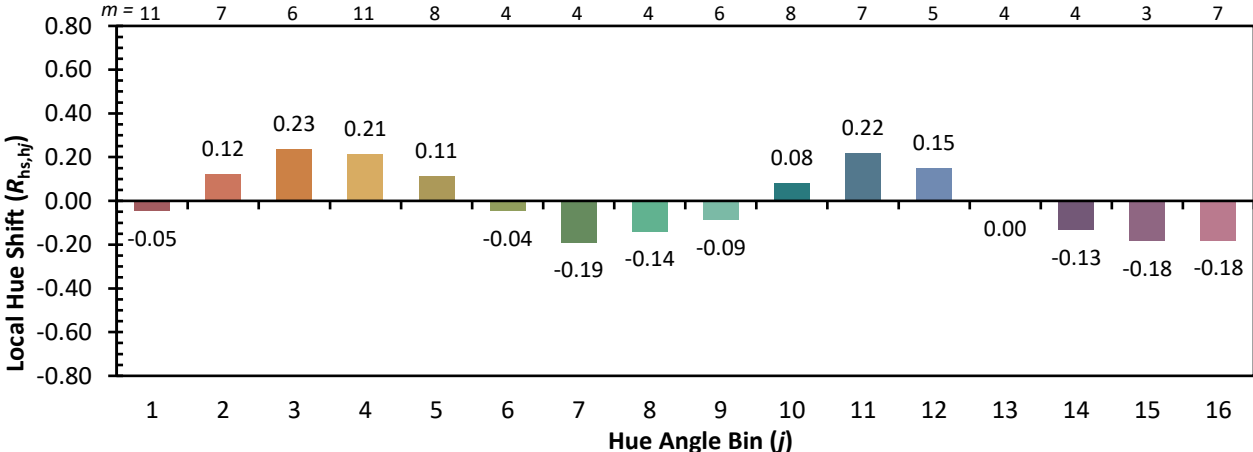
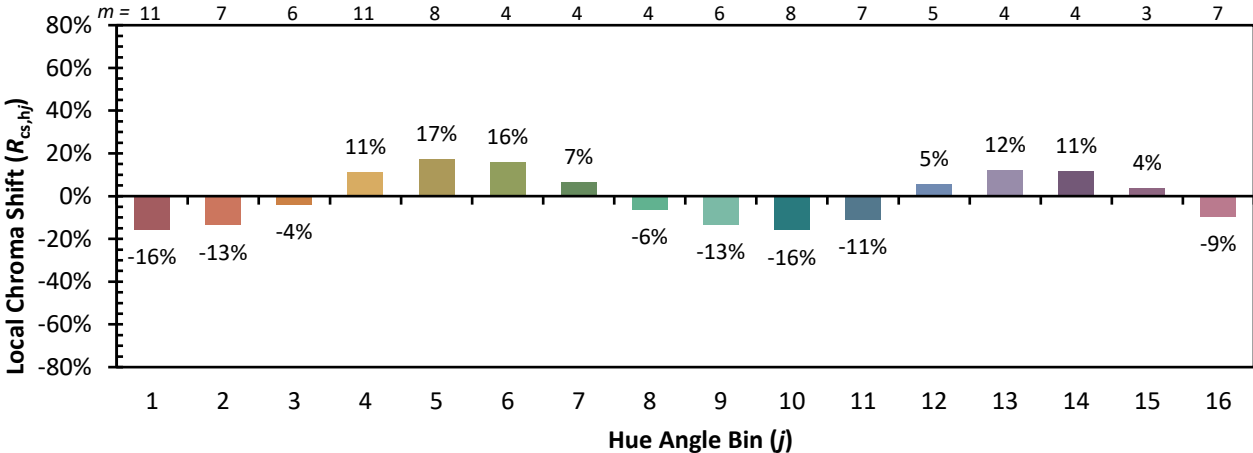


Individual Sample Fidelity Index ($R_{f,i}$)

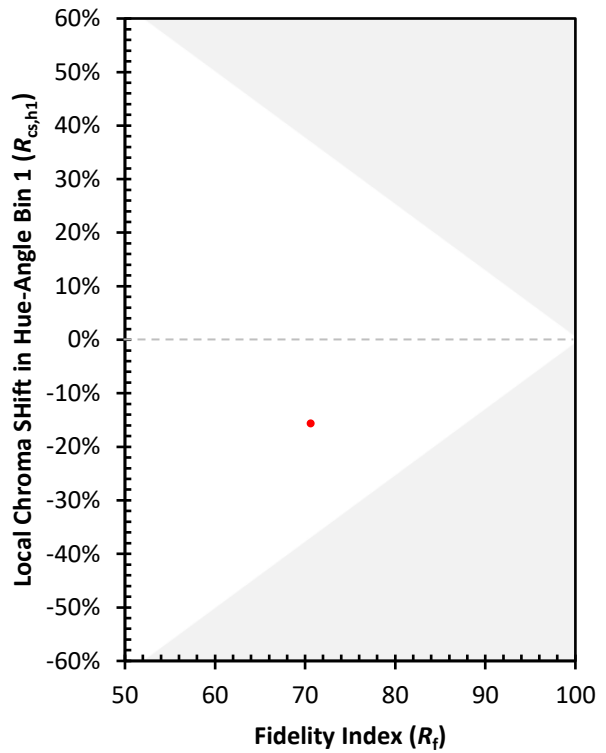
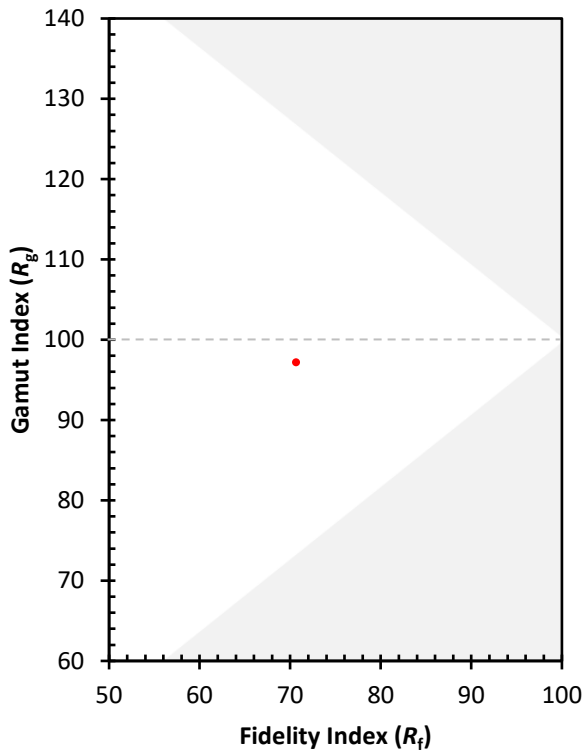
CES01 = 86	CES26 = 57	CES51 = 79	CES76 = 50
CES02 = 63	CES27 = 80	CES52 = 81	CES77 = 76
CES03 = 31	CES28 = 81	CES53 = 68	CES78 = 56
CES04 = 71	CES29 = 49	CES54 = 80	CES79 = 83
CES05 = 50	CES30 = 56	CES55 = 78	CES80 = 81
CES06 = 52	CES31 = 55	CES56 = 66	CES81 = 71
CES07 = 42	CES32 = 52	CES57 = 64	CES82 = 92
CES08 = 41	CES33 = 58	CES58 = 67	CES83 = 85
CES09 = 29	CES34 = 69	CES59 = 84	CES84 = 89
CES10 = 77	CES35 = 84	CES60 = 91	CES85 = 81
CES11 = 60	CES36 = 88	CES61 = 84	CES86 = 62
CES12 = 66	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 44	CES38 = 64	CES63 = 69	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 67	CES89 = 65
CES15 = 72	CES40 = 86	CES65 = 64	CES90 = 71
CES16 = 48	CES41 = 80	CES66 = 61	CES91 = 96
CES17 = 51	CES42 = 79	CES67 = 59	CES92 = 64
CES18 = 57	CES43 = 67	CES68 = 67	CES93 = 78
CES19 = 73	CES44 = 98	CES69 = 77	CES94 = 51
CES20 = 67	CES45 = 77	CES70 = 59	CES95 = 72
CES21 = 88	CES46 = 72	CES71 = 56	CES96 = 77
CES22 = 80	CES47 = 67	CES72 = 85	CES97 = 79
CES23 = 92	CES48 = 57	CES73 = 50	CES98 = 72
CES24 = 92	CES49 = 69	CES74 = 94	CES99 = 63
CES25 = 73	CES50 = 79	CES75 = 58	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)