

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: STREETWORKS

Report Number: P867915

Luminaire Tested: **MEM2-HSN-SA-100-750-U-T2R**

Issue Date: 08/21/2024



Test Information

Test Method: LM-79-08
Report Number: P867915
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/21/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MEM2-HSN-SA-100-750-U-T2R
Description: EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 100W 70CRI 5000K
FITXURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

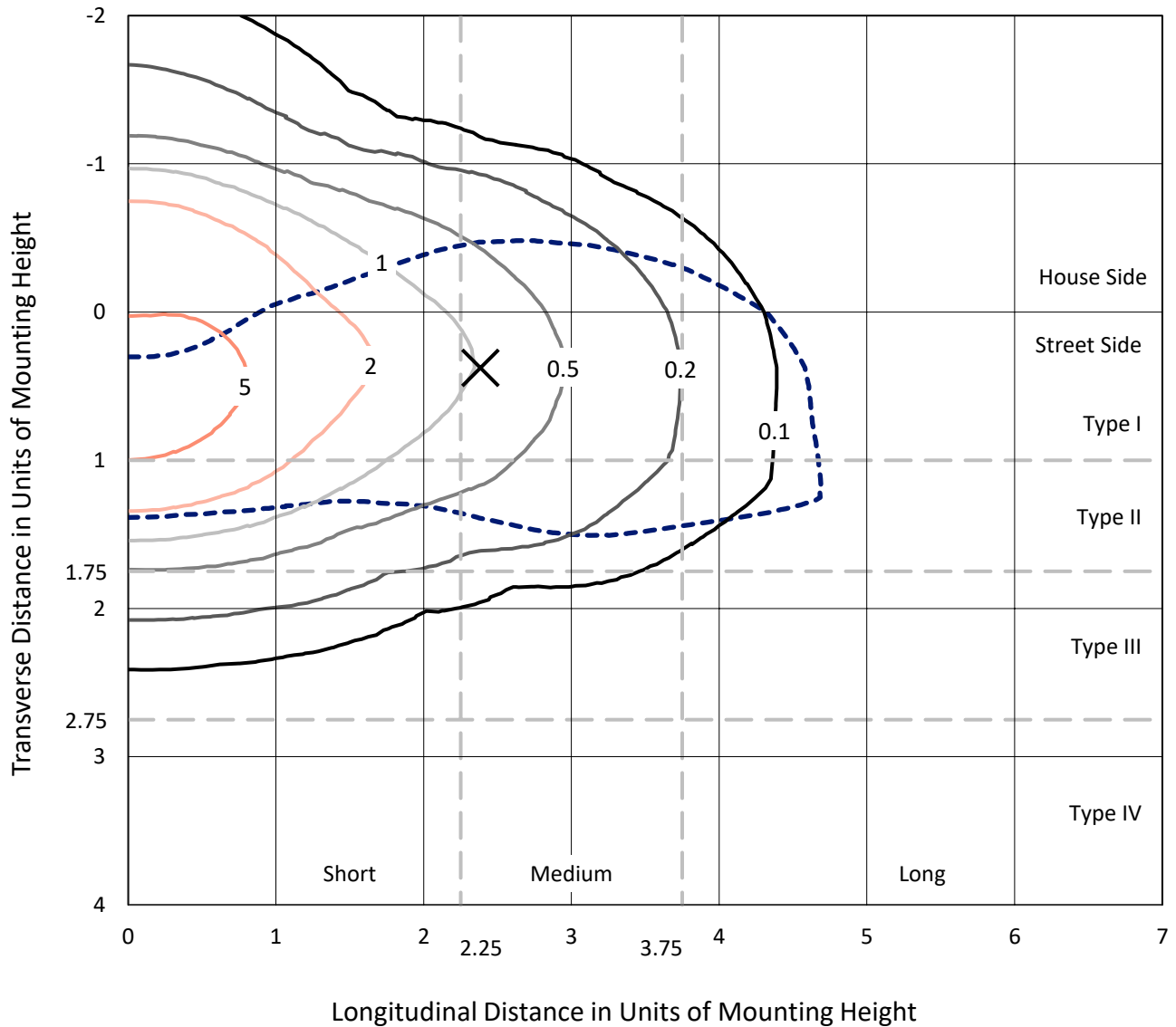
Lumens per Lamp: N/A
Luminaire Lumens: 13649.2 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 101
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 9.45%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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 CATALOG NUMBER: MEM2-HSN-SA-100-750-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

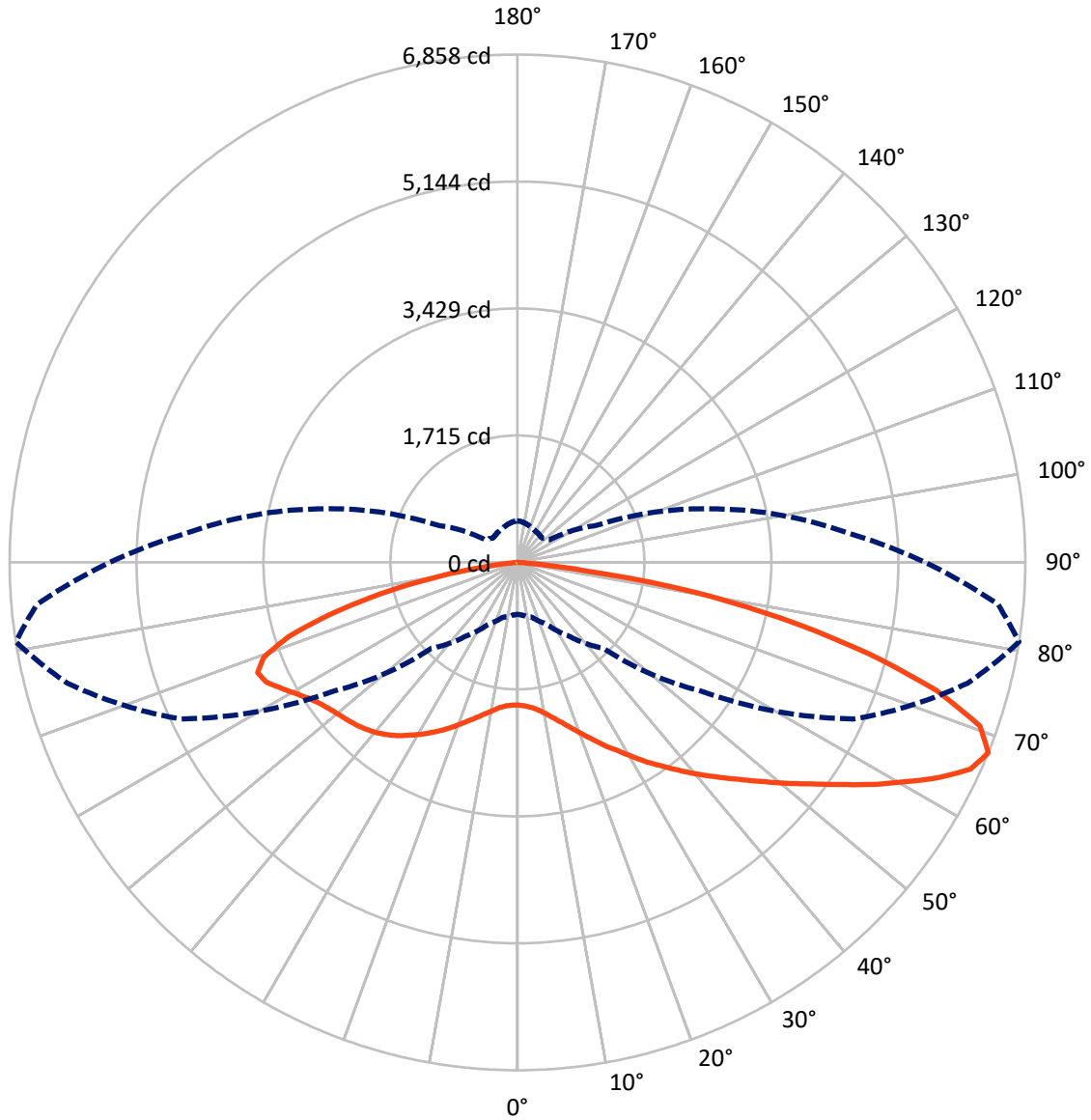
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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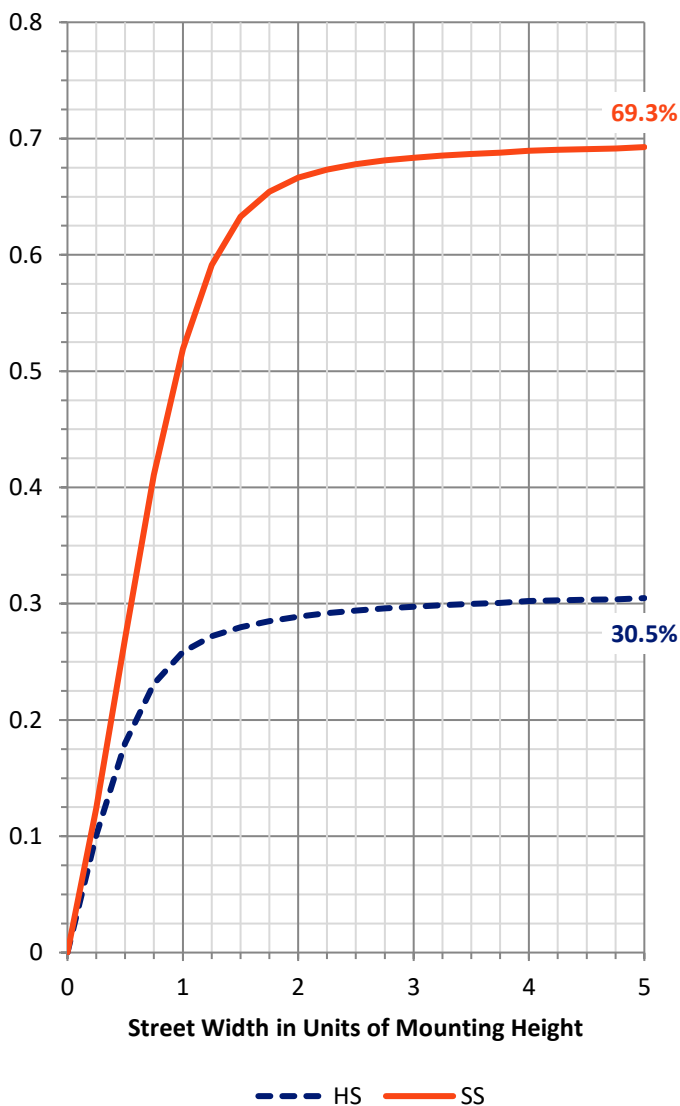
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4182.4	0.0	4182.4
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	9466.8	0.0	9466.8
	% Fixture	69.4	0.0	69.4
Total	Lumens	13649.2	0.0	13649.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.5	1.4
10°-20°	697.6	5.1
20°-30°	1389.3	10.2
30°-40°	2182.7	16.0
40°-50°	2706.9	19.8
50°-60°	2646.2	19.4
60°-70°	2225.3	16.3
70°-80°	1414.0	10.4
80°-90°	190.8	1.4
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°	13649.2	100.0
0°-180°	13649.2	100.0

Coefficient of Utilization



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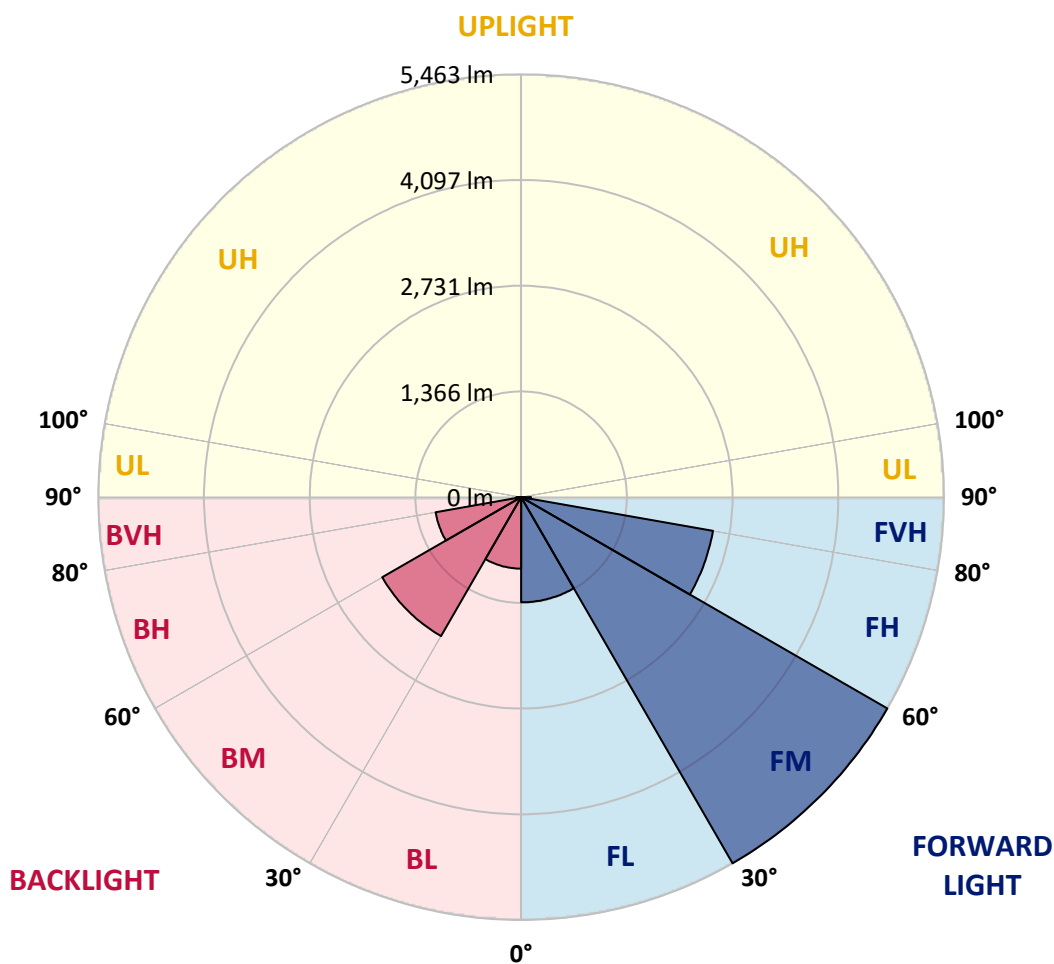
CATALOG NUMBER: MEM2-HSN-SA-100-750-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1359.6	10.0			
FM (30°-60°)	5462.8	40.0			
FH (60°-80°)	2516.5	18.4			G2/5000
FVH (80°-90°)	127.9	0.9			G2/225
BL (0°-30°)	923.8	6.8	B2/1000		
BM (30°-60°)	2072.9	15.2	B2/2500		
BH (60°-80°)	1122.7	8.2	B3/2500		G3/2500
BVH (80°-90°)	63.0	0.5			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	1927.0	1927.0	1927.0	1927.0	1927.0	1927.0	1927.0	1927.0	1927.0	1927.0	1927.0
2.5°	1994.7	1992.0	1992.0	1970.3	1970.3	1964.9	1967.6	1951.4	1943.3	1940.6	1937.9
5°	2138.1	2138.1	2121.9	2108.4	2081.3	2056.9	2035.3	2002.8	1978.5	1967.6	1959.5
7.5°	2354.7	2338.4	2333.0	2292.4	2235.6	2186.9	2143.6	2073.2	2027.2	2010.9	2000.1
10°	2619.9	2598.2	2557.6	2511.6	2438.6	2365.5	2278.9	2184.1	2108.4	2075.9	2062.4
12.5°	2893.3	2863.5	2806.6	2763.3	2668.6	2557.6	2435.9	2305.9	2200.4	2154.4	2130.0
15°	3193.7	3177.4	3109.8	3023.2	2912.2	2755.2	2603.7	2444.0	2308.6	2243.7	2203.1
17.5°	3518.5	3494.1	3421.0	3315.5	3158.5	2971.7	2795.8	2590.1	2433.1	2349.2	2303.2
20°	3837.8	3832.4	3724.1	3624.0	3440.0	3207.2	2979.9	2763.3	2565.8	2468.3	2408.8
22.5°	4195.1	4159.9	4065.2	3924.4	3705.2	3491.4	3223.4	2942.0	2709.2	2595.5	2527.9
25°	4565.9	4563.2	4446.8	4273.6	4016.5	3745.8	3456.2	3145.0	2879.7	2741.7	2652.4
27.5°	5026.0	4990.8	4841.9	4644.4	4346.6	4035.4	3699.8	3356.1	3042.1	2877.0	2768.8
30°	5429.2	5418.4	5250.6	5028.7	4695.8	4325.0	3962.3	3594.2	3234.3	3039.4	2920.3
32.5°	5756.7	5743.2	5599.8	5377.8	5020.6	4636.2	4219.4	3818.9	3426.4	3215.3	3058.3
35°	6030.1	6008.4	5859.6	5637.6	5329.1	4939.4	4495.5	4054.3	3637.5	3380.4	3231.6
37.5°	6138.3	6119.4	5997.6	5813.6	5529.4	5172.1	4744.5	4314.2	3848.6	3567.2	3399.4
40°	6097.8	6086.9	6000.3	5873.1	5656.6	5358.9	4982.7	4584.8	4086.8	3764.7	3564.5
42.5°	5905.6	5905.6	5851.5	5786.5	5678.2	5464.4	5193.8	4844.6	4316.9	3962.3	3721.4
45°	5634.9	5624.1	5605.2	5580.8	5564.6	5483.4	5331.8	5069.3	4571.3	4178.8	3910.9
47.5°	5275.0	5283.1	5269.6	5280.4	5348.0	5399.5	5391.4	5277.7	4831.1	4417.0	4097.6
50°	4709.3	4747.2	4790.5	4917.7	5055.7	5199.2	5331.8	5426.5	5136.9	4687.7	4314.2
52.5°	4008.3	4024.6	4140.9	4441.4	4736.4	4925.8	5177.5	5494.2	5407.6	4969.1	4568.6
55°	3145.0	3174.7	3350.7	3775.6	4300.6	4663.3	4958.3	5464.4	5683.7	5291.2	4866.3
57.5°	2254.5	2273.5	2554.9	2993.4	3678.1	4287.1	4709.3	5345.3	5905.6	5656.6	5172.1
60°	1602.2	1637.4	1818.8	2246.4	2904.1	3767.5	4482.0	5172.1	6111.3	6013.8	5572.7
62.5°	1182.7	1201.7	1328.9	1640.1	2181.4	3058.3	4187.0	5044.9	6246.6	6398.2	5973.3
65°	890.4	898.6	985.2	1199.0	1632.0	2254.5	3721.4	5020.6	6322.4	6725.7	6327.8
67.5°	701.0	714.5	768.6	914.8	1215.2	1640.1	3031.3	5004.3	6295.3	6858.3	6514.6
70°	590.0	592.7	633.3	714.5	909.4	1180.0	2265.3	4760.7	6143.8	6625.5	6341.3
72.5°	511.5	511.5	530.5	595.4	730.8	893.1	1542.7	4178.8	5759.4	5919.1	5740.5
75°	414.1	411.4	443.9	506.1	587.3	687.5	1036.6	3163.9	4952.9	4871.7	4725.6
77.5°	360.0	357.3	384.3	438.5	484.5	549.4	709.1	2054.2	3897.4	3653.8	3561.8
80°	308.5	300.4	322.1	373.5	397.9	427.6	489.9	1196.3	2546.8	2395.3	2284.3
82.5°	232.8	213.8	208.4	251.7	267.9	249.0	249.0	419.5	925.6	933.7	863.4
85°	18.9	21.7	27.1	32.5	46.0	51.4	54.1	89.3	138.0	132.6	135.3
87.5°	2.7	2.7	2.7	5.4	5.4	8.1	8.1	8.1	10.8	10.8	10.8
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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CATALOG NUMBER: MEM2-HSN-SA-100-750-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1927.0	1927.0	1927.0	1927.0	1927.0	1927.0	1927.0	1927.0	1927.0	1927.0	1927.0
2.5°	1935.1	1929.7	1924.3	1924.3	1924.3	1918.9	1916.2	1916.2	1913.5	1905.4	1902.7
5°	1954.1	1946.0	1937.9	1937.9	1937.9	1935.1	1932.4	1935.1	1932.4	1924.3	1921.6
7.5°	1992.0	1981.2	1970.3	1970.3	1975.7	1973.0	1973.0	1975.7	1973.0	1964.9	1962.2
10°	2046.1	2029.9	2024.5	2024.5	2029.9	2027.2	2024.5	2024.5	2021.8	2008.2	2013.6
12.5°	2105.7	2089.4	2084.0	2086.7	2084.0	2078.6	2081.3	2073.2	2070.5	2048.8	2046.1
15°	2181.4	2162.5	2151.7	2154.4	2146.3	2135.4	2124.6	2119.2	2108.4	2089.4	2084.0
17.5°	2268.0	2238.3	2224.7	2224.7	2208.5	2186.9	2170.6	2154.4	2138.1	2116.5	2111.1
20°	2352.0	2324.9	2303.2	2297.8	2265.3	2230.2	2200.4	2173.3	2154.4	2130.0	2124.6
22.5°	2457.5	2419.6	2389.8	2365.5	2316.8	2259.9	2213.9	2176.0	2149.0	2121.9	2113.8
25°	2568.5	2514.3	2465.6	2419.6	2352.0	2270.8	2205.8	2151.7	2116.5	2086.7	2081.3
27.5°	2679.4	2609.1	2538.7	2465.6	2362.8	2257.2	2165.2	2100.2	2054.2	2016.3	2010.9
30°	2798.5	2711.9	2600.9	2495.4	2360.1	2222.0	2105.7	2013.6	1959.5	1916.2	1910.8
32.5°	2920.3	2812.1	2660.5	2517.0	2346.5	2170.6	2019.1	1921.6	1854.0	1805.2	1791.7
35°	3055.6	2923.0	2714.6	2525.2	2308.6	2094.8	1927.0	1805.2	1726.7	1678.0	1667.2
37.5°	3193.7	3025.9	2749.8	2519.8	2254.5	2005.5	1807.9	1683.4	1591.4	1523.8	1512.9
40°	3334.4	3120.6	2771.5	2492.7	2178.7	1894.6	1697.0	1545.4	1412.8	1350.5	1320.8
42.5°	3464.3	3207.2	2782.3	2454.8	2094.8	1778.2	1550.8	1353.3	1228.8	1161.1	1174.6
45°	3599.6	3288.4	2785.0	2408.8	1983.9	1629.3	1366.8	1182.7	1058.2	1006.8	1001.4
47.5°	3716.0	3356.1	2779.6	2343.8	1859.4	1458.8	1174.6	998.7	906.7	858.0	852.5
50°	3870.3	3431.8	2771.5	2268.0	1697.0	1263.9	996.0	852.5	768.6	730.8	728.0
52.5°	4024.6	3515.7	2766.0	2162.5	1526.5	1079.9	833.6	719.9	663.1	644.1	638.7
55°	4227.6	3618.6	2768.8	2040.7	1331.6	890.4	706.4	627.9	598.1	590.0	590.0
57.5°	4460.3	3751.2	2785.0	1905.4	1128.6	736.2	614.4	579.2	576.5	581.9	584.6
60°	4741.8	3927.1	2817.5	1764.6	941.9	622.5	560.2	557.5	565.7	584.6	590.0
62.5°	5058.5	4119.3	2858.1	1580.6	763.2	546.7	530.5	541.3	552.1	573.8	576.5
65°	5337.2	4335.8	2882.4	1404.7	638.7	503.4	511.5	516.9	544.0	573.8	573.8
67.5°	5505.0	4492.8	2790.4	1182.7	533.2	465.5	481.8	498.0	527.8	554.8	560.2
70°	5448.2	4441.4	2476.5	917.5	452.0	430.3	449.3	473.6	503.4	535.9	552.1
72.5°	5053.0	4076.0	2010.9	668.5	392.4	397.9	422.2	454.7	481.8	516.9	538.6
75°	4224.9	3402.1	1450.7	481.8	343.7	365.4	403.3	430.3	449.3	457.4	460.1
77.5°	3207.2	2500.8	987.9	360.0	297.7	327.5	368.1	397.9	403.3	408.7	414.1
80°	2094.8	1591.4	557.5	251.7	227.3	267.9	300.4	332.9	322.1	338.3	343.7
82.5°	885.0	695.6	254.4	124.5	105.6	113.7	121.8	108.3	100.1	100.1	86.6
85°	116.4	89.3	37.9	16.2	13.5	8.1	8.1	8.1	5.4	5.4	5.4
87.5°	10.8	10.8	8.1	8.1	5.4	5.4	2.7	5.4	2.7	2.7	2.7
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

Streetworks

Report Number: SP1-2407-157-6

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-30-750-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-30-750-U-5WQ-2

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-157-6
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/20/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Streetworks
 Catalog Number: **MEM2-HTN-SA-30-750-U-5WQ-2**
 Description: Epic Modern Light Square 30W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K): 5094
 CIE u': 0.2082
 CIE v': 0.4867
 Duv: 0.0032
 CIE x: 0.3430
 CIE y: 0.3564
 CIE z: 0.3006
 Peak Wavelength (nm): 451
 Dominant Wavelength (nm): 568
 Purity: 9.86439
 Rf: 73.7
 Rg: 93

CRI (Ra):	72.0		
R1:	68.6	R9:	-39.6
R2:	78.1	R10:	47.6
R3:	84.6	R11:	68.2
R4:	71.6	R12:	41.4
R5:	69.6	R13:	70.4
R6:	69.4	R14:	91.4
R7:	80.9	R15:	61.4
R8:	53.1		



Test Conditions

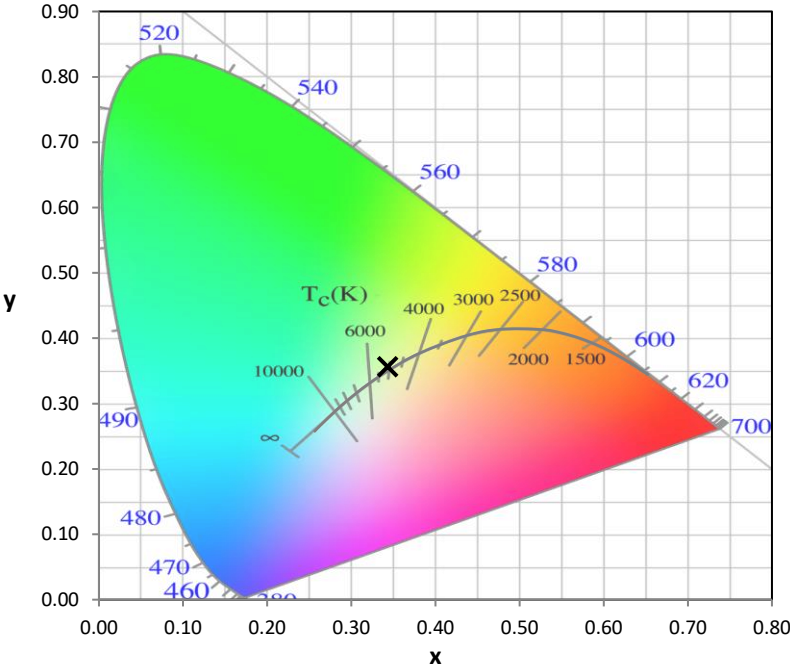
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.2

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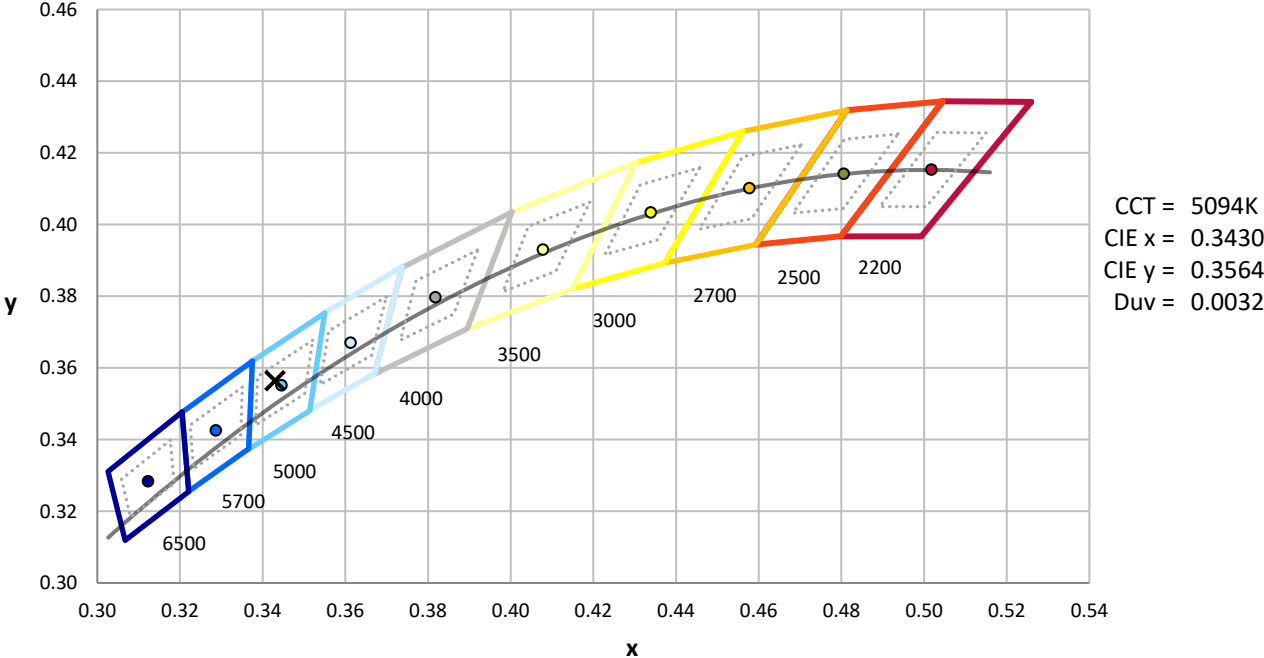
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 5000K 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	114	NR	620	361	NR	750	9	NR	880	0	NR
365	0	NR	495	145	NR	625	326	NR	755	8	NR	885	0	NR
370	0	NR	500	197	NR	630	294	NR	760	7	NR	890	0	NR
375	0	NR	505	259	NR	635	261	NR	765	6	NR	895	0	NR
380	0	NR	510	319	NR	640	232	NR	770	5	NR	900	0	NR
385	0	NR	515	373	NR	645	204	NR	775	4	NR	905	0	NR
390	0	NR	520	414	NR	650	179	NR	780	4	NR	910	0	NR
395	1	NR	525	445	NR	655	157	NR	785	3	NR	915	0	NR
400	3	NR	530	465	NR	660	136	NR	790	3	NR	920	0	NR
405	5	NR	535	482	NR	665	118	NR	795	2	NR	925	0	NR
410	9	NR	540	493	NR	670	102	NR	800	2	NR	930	0	NR
415	18	NR	545	505	NR	675	87	NR	805	2	NR	935	0	NR
420	36	NR	550	515	NR	680	75	NR	810	2	NR	940	0	NR
425	72	NR	555	527	NR	685	65	NR	815	1	NR	945	0	NR
430	134	NR	560	540	NR	690	56	NR	820	1	NR	950	0	NR
435	242	NR	565	550	NR	695	48	NR	825	1	NR	955	0	NR
440	407	NR	570	557	NR	700	41	NR	830	1	NR	960	0	NR
445	684	NR	575	561	NR	705	35	NR	835	1	NR	965	0	NR
450	988	NR	580	559	NR	710	30	NR	840	1	NR	970	0	NR
455	828	NR	585	551	NR	715	26	NR	845	1	NR	975	0	NR
460	473	NR	590	537	NR	720	22	NR	850	1	NR	980	0	NR
465	333	NR	595	516	NR	725	19	NR	855	0	NR	985	0	NR
470	232	NR	600	491	NR	730	16	NR	860	0	NR	990	0	NR
475	146	NR	605	461	NR	735	14	NR	865	0	NR	995	0	NR
480	113	NR	610	429	NR	740	12	NR	870	0	NR	1000	0	NR
485	106	NR	615	395	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2407-157-6

Scotopic Flux vs. Wavelength



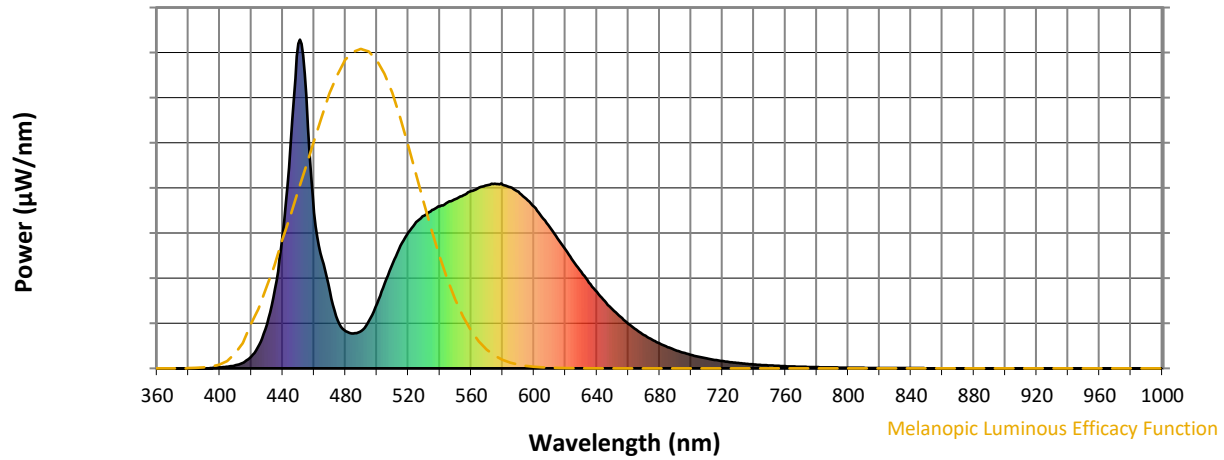
Scotopic Lumens: NR

S/P: 1.81

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	361	NR	750	9	NR	880	0	NR
365	0	NR	495	145	NR	625	326	NR	755	8	NR	885	0	NR
370	0	NR	500	197	NR	630	294	NR	760	7	NR	890	0	NR
375	0	NR	505	259	NR	635	261	NR	765	6	NR	895	0	NR
380	0	NR	510	319	NR	640	232	NR	770	5	NR	900	0	NR
385	0	NR	515	373	NR	645	204	NR	775	4	NR	905	0	NR
390	0	NR	520	414	NR	650	179	NR	780	4	NR	910	0	NR
395	1	NR	525	445	NR	655	157	NR	785	3	NR	915	0	NR
400	3	NR	530	465	NR	660	136	NR	790	3	NR	920	0	NR
405	5	NR	535	482	NR	665	118	NR	795	2	NR	925	0	NR
410	9	NR	540	493	NR	670	102	NR	800	2	NR	930	0	NR
415	18	NR	545	505	NR	675	87	NR	805	2	NR	935	0	NR
420	36	NR	550	515	NR	680	75	NR	810	2	NR	940	0	NR
425	72	NR	555	527	NR	685	65	NR	815	1	NR	945	0	NR
430	134	NR	560	540	NR	690	56	NR	820	1	NR	950	0	NR
435	242	NR	565	550	NR	695	48	NR	825	1	NR	955	0	NR
440	407	NR	570	557	NR	700	41	NR	830	1	NR	960	0	NR
445	684	NR	575	561	NR	705	35	NR	835	1	NR	965	0	NR
450	988	NR	580	559	NR	710	30	NR	840	1	NR	970	0	NR
455	828	NR	585	551	NR	715	26	NR	845	1	NR	975	0	NR
460	473	NR	590	537	NR	720	22	NR	850	1	NR	980	0	NR
465	333	NR	595	516	NR	725	19	NR	855	0	NR	985	0	NR
470	232	NR	600	491	NR	730	16	NR	860	0	NR	990	0	NR
475	146	NR	605	461	NR	735	14	NR	865	0	NR	995	0	NR
480	113	NR	610	429	NR	740	12	NR	870	0	NR	1000	0	NR
485	106	NR	615	395	NR	745	10	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



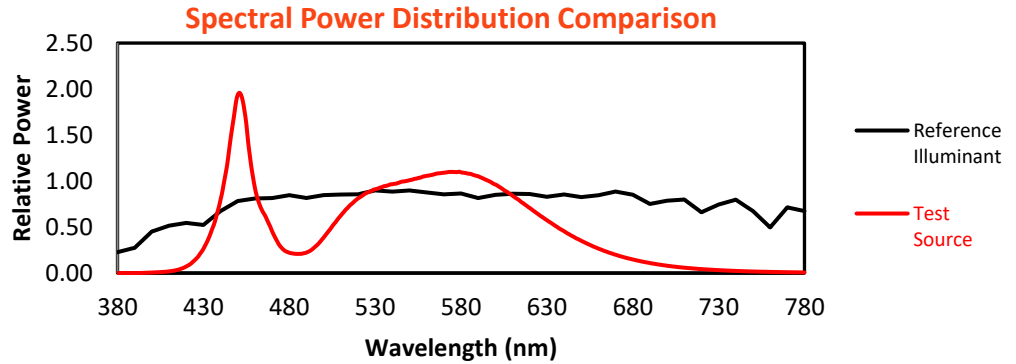
Melanopic Lumens: NR

M/P: 3.73

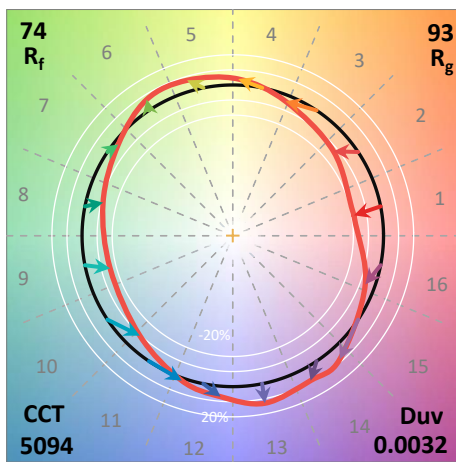
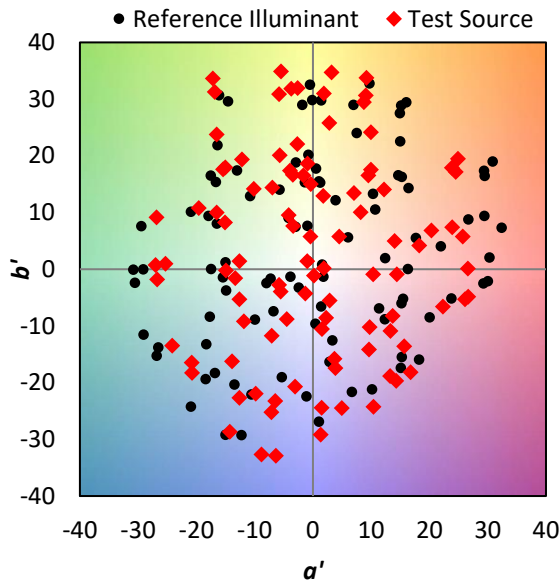
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	114	NR	620	361	NR	750	9	NR	880	0	NR
365	0	NR	495	145	NR	625	326	NR	755	8	NR	885	0	NR
370	0	NR	500	197	NR	630	294	NR	760	7	NR	890	0	NR
375	0	NR	505	259	NR	635	261	NR	765	6	NR	895	0	NR
380	0	NR	510	319	NR	640	232	NR	770	5	NR	900	0	NR
385	0	NR	515	373	NR	645	204	NR	775	4	NR	905	0	NR
390	0	NR	520	414	NR	650	179	NR	780	4	NR	910	0	NR
395	1	NR	525	445	NR	655	157	NR	785	3	NR	915	0	NR
400	3	NR	530	465	NR	660	136	NR	790	3	NR	920	0	NR
405	5	NR	535	482	NR	665	118	NR	795	2	NR	925	0	NR
410	9	NR	540	493	NR	670	102	NR	800	2	NR	930	0	NR
415	18	NR	545	505	NR	675	87	NR	805	2	NR	935	0	NR
420	36	NR	550	515	NR	680	75	NR	810	2	NR	940	0	NR
425	72	NR	555	527	NR	685	65	NR	815	1	NR	945	0	NR
430	134	NR	560	540	NR	690	56	NR	820	1	NR	950	0	NR
435	242	NR	565	550	NR	695	48	NR	825	1	NR	955	0	NR
440	407	NR	570	557	NR	700	41	NR	830	1	NR	960	0	NR
445	684	NR	575	561	NR	705	35	NR	835	1	NR	965	0	NR
450	988	NR	580	559	NR	710	30	NR	840	1	NR	970	0	NR
455	828	NR	585	551	NR	715	26	NR	845	1	NR	975	0	NR
460	473	NR	590	537	NR	720	22	NR	850	1	NR	980	0	NR
465	333	NR	595	516	NR	725	19	NR	855	0	NR	985	0	NR
470	232	NR	600	491	NR	730	16	NR	860	0	NR	990	0	NR
475	146	NR	605	461	NR	735	14	NR	865	0	NR	995	0	NR
480	113	NR	610	429	NR	740	12	NR	870	0	NR	1000	0	NR
485	106	NR	615	395	NR	745	10	NR	875	0	NR			

Summary

$R_f = 73.7$
 $R_g = 93$
 $CIE R_a = 72.0$
 $R_9 = -39.6$

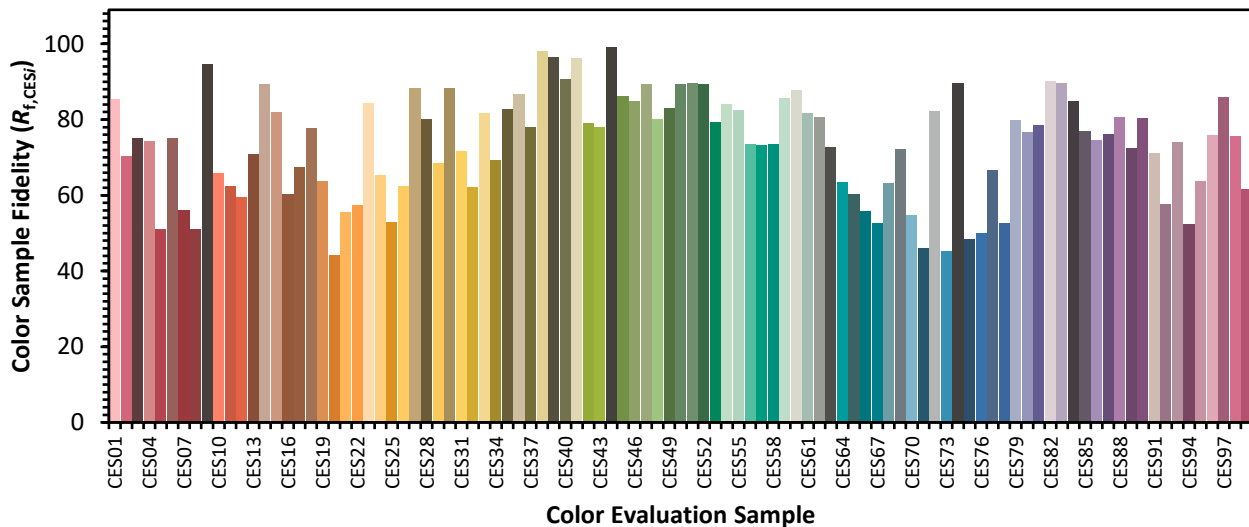


Color Vector Graphics

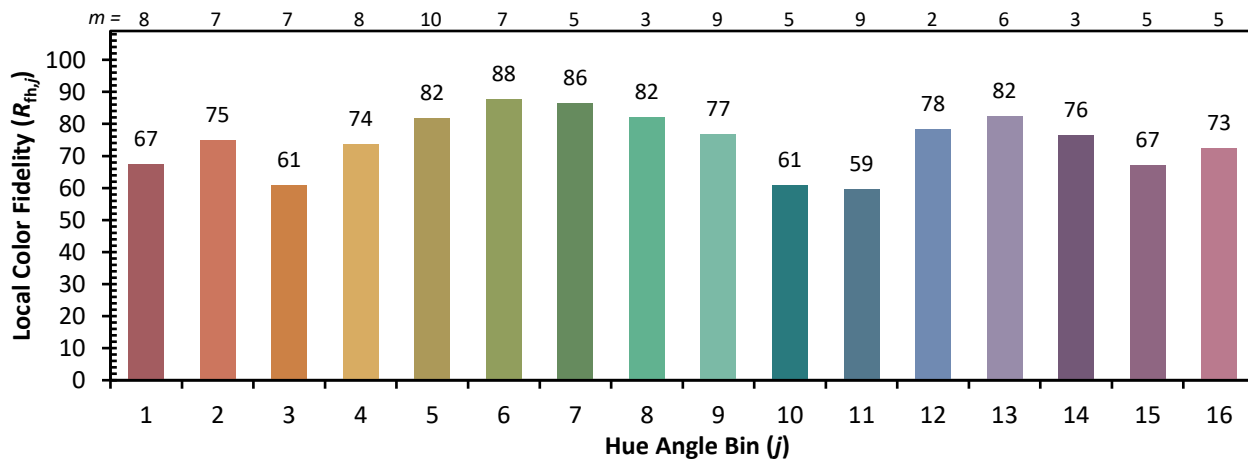
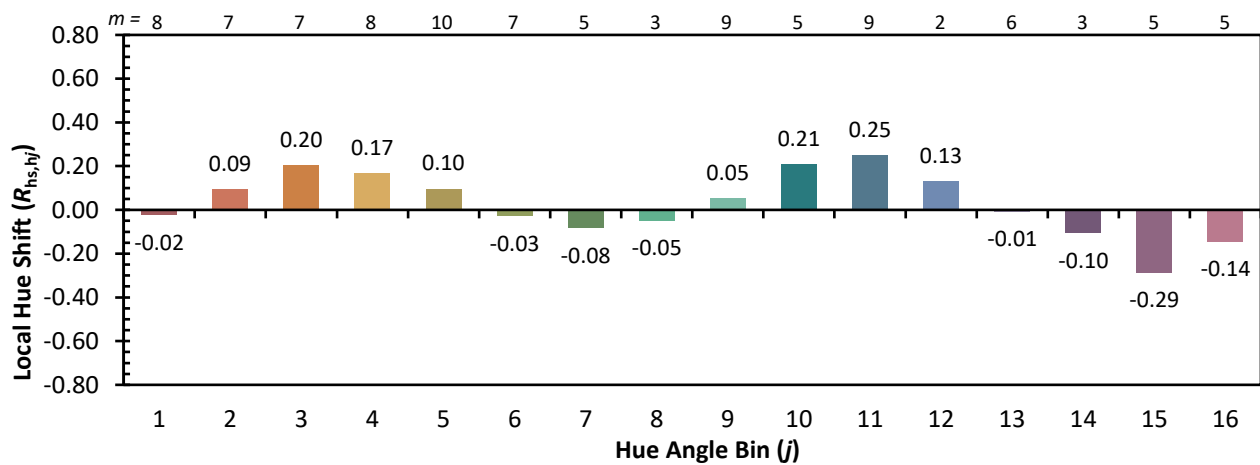


Individual Sample Fidelity Index ($R_{f,i}$)

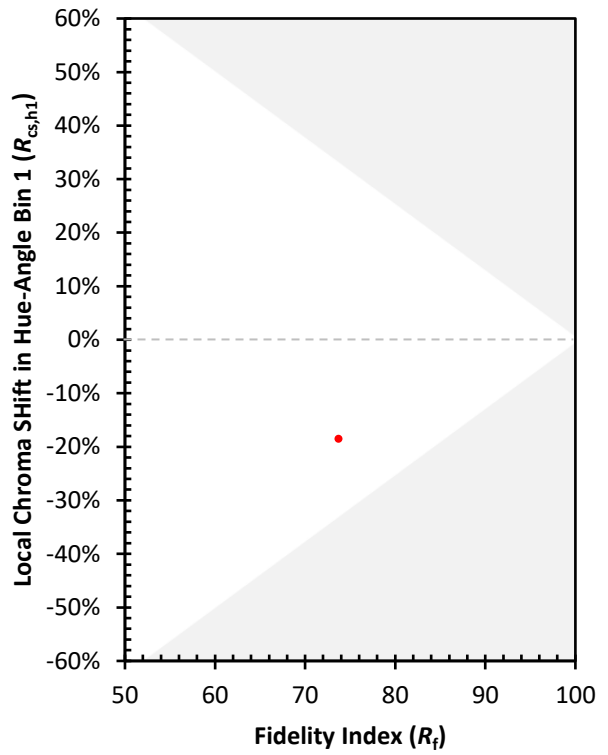
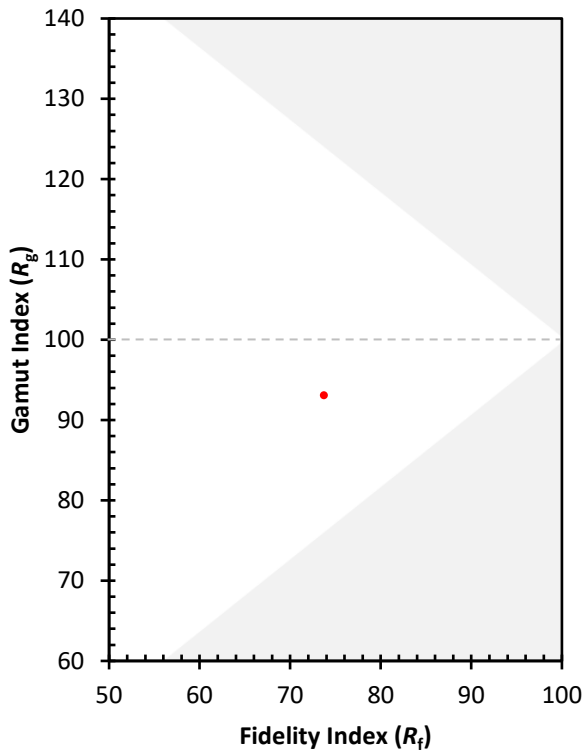
CES01 = 85	CES26 = 62	CES51 = 90	CES76 = 50
CES02 = 59	CES27 = 88	CES52 = 89	CES77 = 67
CES03 = 30	CES28 = 80	CES53 = 79	CES78 = 53
CES04 = 69	CES29 = 69	CES54 = 84	CES79 = 80
CES05 = 46	CES30 = 88	CES55 = 83	CES80 = 77
CES06 = 50	CES31 = 72	CES56 = 74	CES81 = 78
CES07 = 38	CES32 = 62	CES57 = 73	CES82 = 90
CES08 = 38	CES33 = 82	CES58 = 73	CES83 = 90
CES09 = 29	CES34 = 69	CES59 = 86	CES84 = 85
CES10 = 72	CES35 = 83	CES60 = 88	CES85 = 77
CES11 = 56	CES36 = 87	CES61 = 82	CES86 = 75
CES12 = 61	CES37 = 78	CES62 = 81	CES87 = 76
CES13 = 41	CES38 = 98	CES63 = 73	CES88 = 81
CES14 = 74	CES39 = 96	CES64 = 63	CES89 = 72
CES15 = 70	CES40 = 91	CES65 = 60	CES90 = 80
CES16 = 46	CES41 = 96	CES66 = 56	CES91 = 71
CES17 = 49	CES42 = 79	CES67 = 53	CES92 = 58
CES18 = 55	CES43 = 78	CES68 = 63	CES93 = 74
CES19 = 71	CES44 = 99	CES69 = 72	CES94 = 52
CES20 = 63	CES45 = 86	CES70 = 55	CES95 = 64
CES21 = 85	CES46 = 85	CES71 = 46	CES96 = 76
CES22 = 77	CES47 = 89	CES72 = 82	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 45	CES98 = 76
CES24 = 90	CES49 = 83	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 48	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)