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: P868938

Luminaire Tested: **EMM2-HSN-SA2B-722-U-T3**

Issue Date: 08/22/2024

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P868938
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HSN-SA2B-722-U-T3
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 100W 70CRI 2200K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source:	(20) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11084.4 lumens
Efficiency:	N/A
Efficacy:	123.2 lumens/watt
Luminous Opening:	Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G2

Input Watts (W):	90
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.20%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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REPORT NUMBER: P868938
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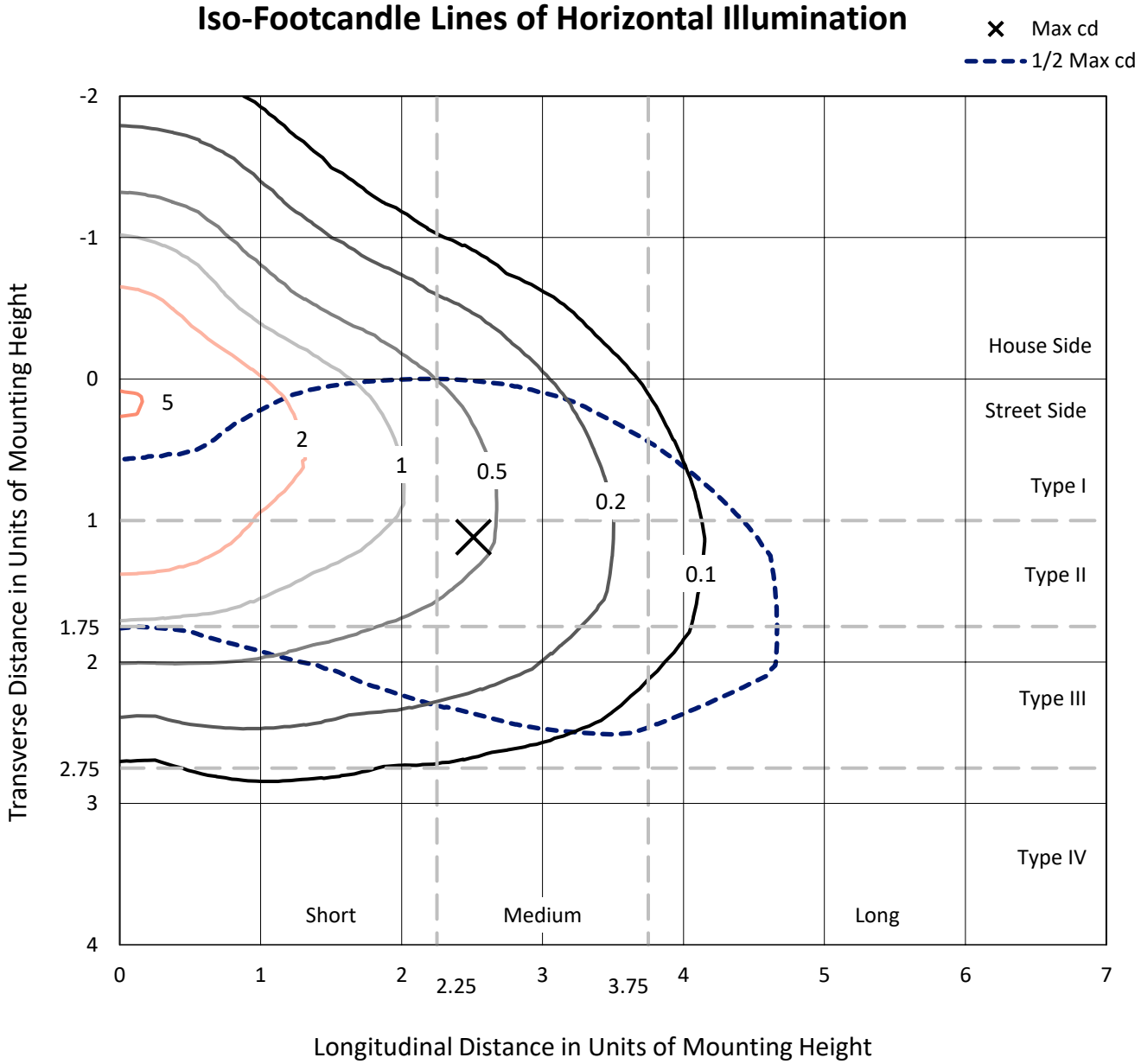
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 5.1 fc
Type III - Medium - N/A

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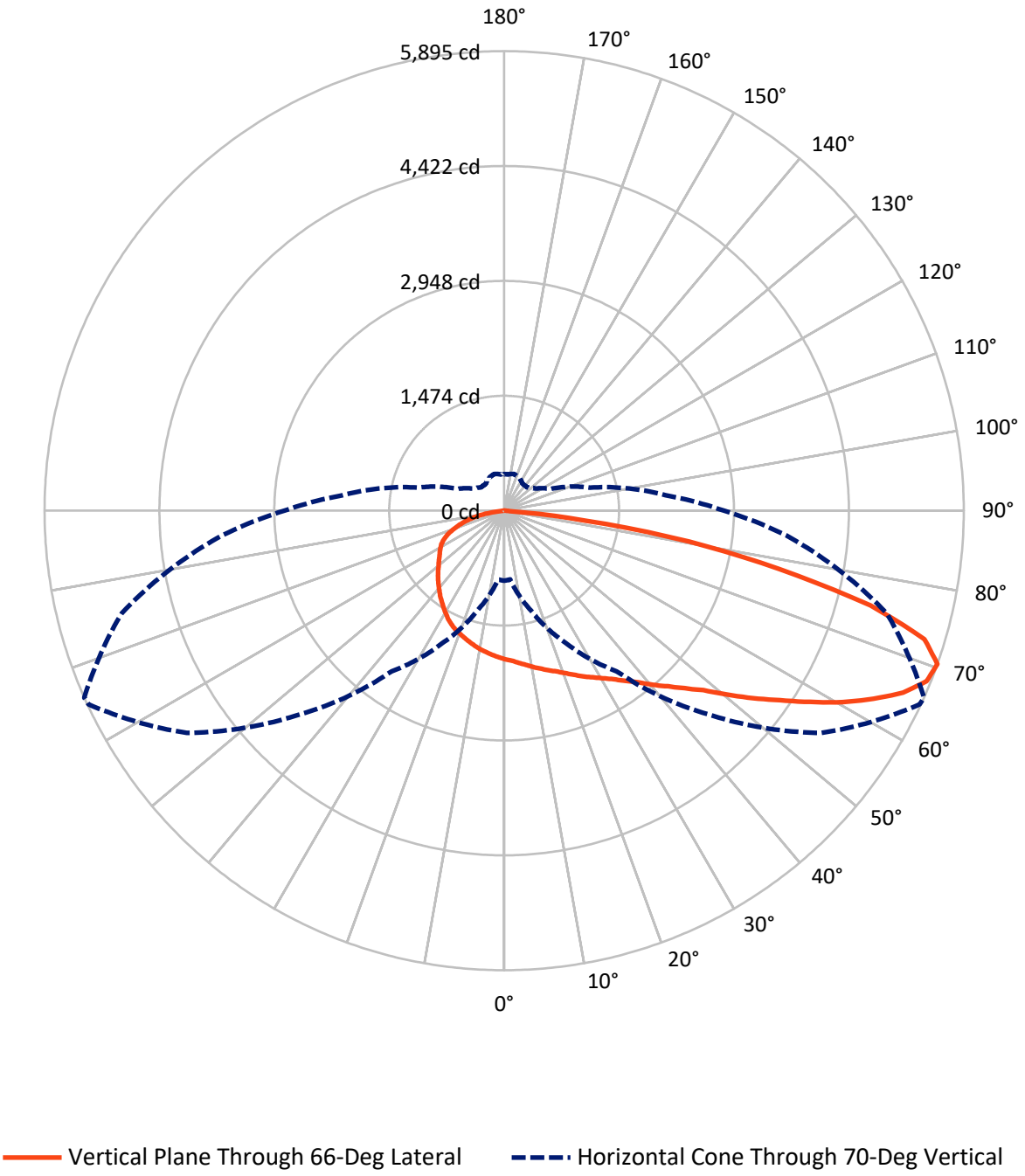
Luminous Intensity Polar Plot



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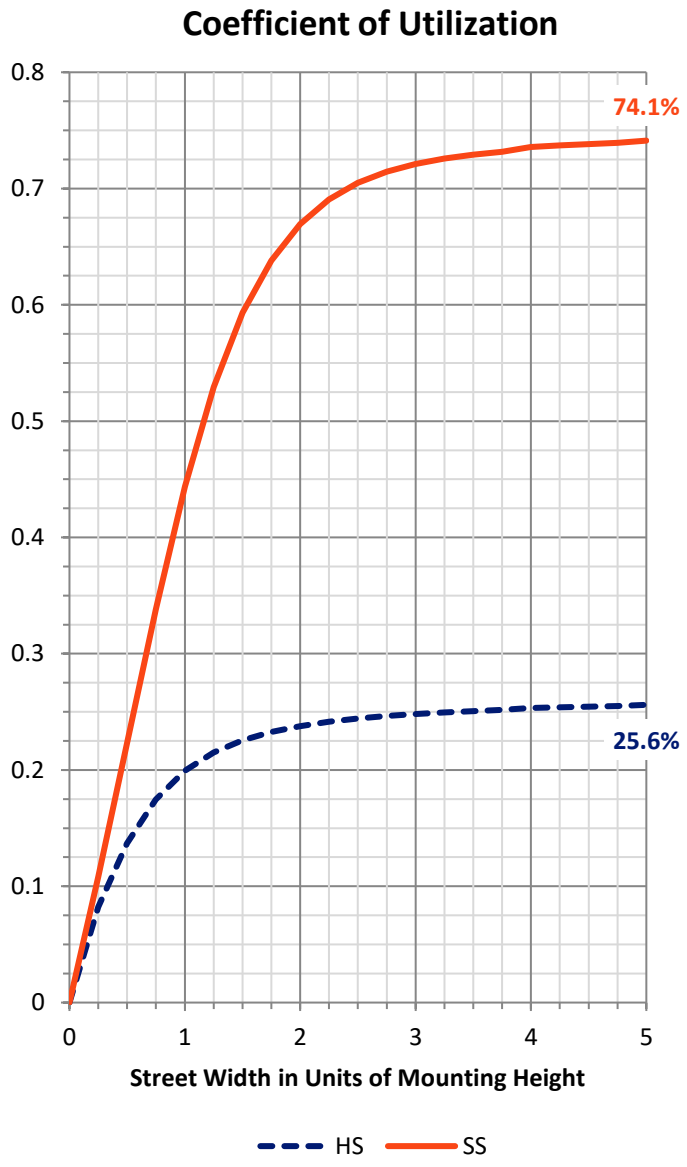
CATALOG NUMBER: EMM2-HSN-SA2B-722-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2856.5	0.0	2856.5
	% Fixture	25.8	0.0	25.8
Street Side	Lumens	8227.9	0.0	8227.9
	% Fixture	74.2	0.0	74.2
Total	Lumens	11084.4	0.0	11084.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.5	1.6
10°-20°	543.6	4.9
20°-30°	913.1	8.2
30°-40°	1375.7	12.4
40°-50°	1867.6	16.8
50°-60°	2219.3	20.0
60°-70°	2264.9	20.4
70°-80°	1514.9	13.7
80°-90°	202.7	1.8
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°	11084.4	100.0
0°-180°	11084.4	100.0



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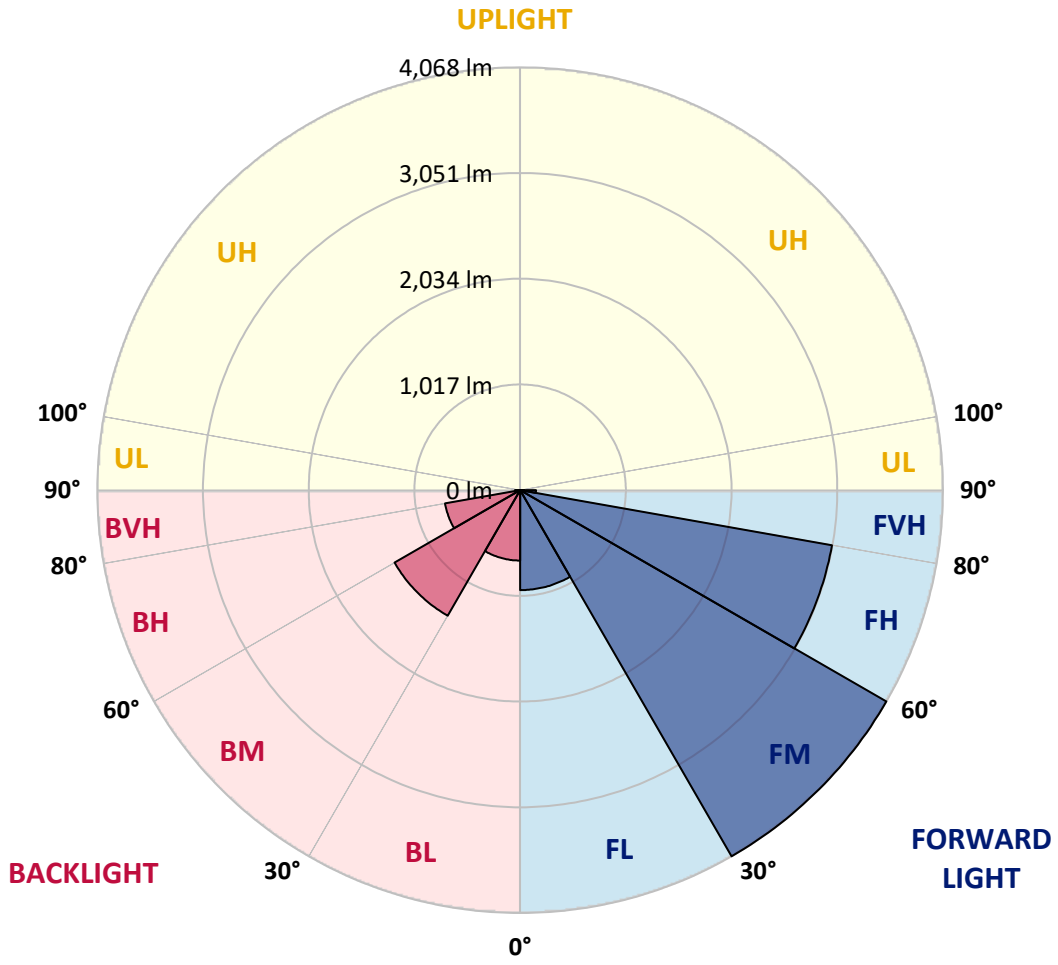
CATALOG NUMBER: EMM2-HSN-SA2B-722-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	961.9	8.7			
FM	(30°-60°)	4067.8	36.7			
FH	(60°-80°)	3046.4	27.5			G2/5000
FVH	(80°-90°)	151.8	1.4			G2/225
BL	(0°-30°)	677.3	6.1	B2/1000		
BM	(30°-60°)	1394.8	12.6	B2/2500		
BH	(60°-80°)	733.5	6.6	B2/1000		G2/1000
BVH	(80°-90°)	50.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1907.1	1907.1	1907.1	1907.1	1907.1	1907.1	1907.1	1907.1	*1907.1*	1907.1	1907.1
2.5°	1975.4	1966.6	1960.0	1964.4	1951.2	1955.6	1940.2	1929.2	*1927.0*	1922.5	1918.1
5°	2037.1	2037.1	2026.1	2026.1	2010.6	2008.4	1986.4	1962.2	*1962.2*	1946.8	1929.2
7.5°	2103.1	2098.7	2085.5	2083.3	2065.7	2061.3	2037.1	1999.6	*1997.4*	1968.8	1942.4
10°	2149.4	2151.6	2142.8	2142.8	2129.6	2118.5	2083.3	2043.7	*2039.3*	2001.8	1960.0
12.5°	2184.6	2189.0	2186.8	2186.8	2175.8	2175.8	2136.2	2083.3	*2078.9*	2030.5	1971.0
15°	2222.1	2219.8	2226.5	2228.7	2224.3	2217.6	2189.0	2127.4	*2125.2*	2061.3	1986.4
17.5°	2255.1	2252.9	2255.1	2266.1	2268.3	2268.3	2239.7	2175.8	*2167.0*	2098.7	1999.6
20°	2274.9	2279.3	2288.1	2301.3	2307.9	2325.6	2301.3	2233.1	*2224.3*	2138.4	2028.3
22.5°	2349.8	2336.6	2343.2	2352.0	2360.8	2385.0	2363.0	2292.5	*2285.9*	2197.8	2061.3
25°	2477.5	2477.5	2462.1	2446.7	2435.7	2446.7	2429.1	2360.8	*2356.4*	2250.7	2098.7
27.5°	2699.9	2699.9	2666.9	2609.6	2537.0	2517.1	2503.9	2433.5	*2420.3*	2307.9	2123.0
30°	2981.8	2990.6	2931.2	2834.3	2699.9	2611.8	2578.8	2501.7	*2495.1*	2365.2	2160.4
32.5°	3283.5	3301.1	3257.1	3116.2	2895.9	2724.2	2671.3	2592.0	*2576.6*	2433.5	2208.8
35°	3554.4	3572.0	3512.6	3380.4	3098.5	2887.1	2781.4	2691.1	*2682.3*	2521.6	2281.5
37.5°	3774.6	3779.0	3741.6	3580.8	3268.1	3023.7	2918.0	2810.0	*2792.4*	2627.3	2358.6
40°	4008.1	4025.7	3988.2	3790.0	3422.3	3171.2	3054.5	2953.2	*2937.8*	2737.4	2431.3
42.5°	4252.5	4250.3	4250.3	3970.6	3576.4	3294.5	3202.0	3089.7	*3080.9*	2849.7	2510.5
45°	4402.3	4411.1	4386.8	4078.5	3803.3	3422.3	3345.2	3263.7	*3248.3*	3006.0	2614.0
47.5°	4439.7	4419.9	4309.8	4162.2	4058.7	3554.4	3525.8	3477.3	*3442.1*	3177.8	2741.8
50°	4389.0	4358.2	4294.4	4199.7	4153.4	3713.0	3708.6	3732.8	*3708.6*	3387.0	2889.3
52.5°	4199.7	4195.2	4184.2	4206.3	4131.4	3838.5	3915.6	3999.3	*3994.8*	3600.6	3043.5
55°	3801.1	3829.7	3961.8	4100.6	4047.7	3924.4	4146.8	4307.6	*4289.9*	3851.7	3202.0
57.5°	3393.6	3422.3	3591.8	3922.2	3966.2	4016.9	4406.7	4657.7	*4629.1*	4124.8	3347.4
60°	3039.1	3008.2	3177.8	3653.5	3851.7	4100.6	4664.3	5012.3	*4988.1*	4397.9	3497.1
62.5°	2477.5	2508.3	2779.2	3261.5	3690.9	4153.4	4875.7	5333.8	*5318.4*	4648.9	3618.3
65°	1960.0	1918.1	2325.6	2849.7	3413.5	4135.8	5058.5	5635.5	*5624.5*	4895.6	3710.8
67.5°	1332.3	1303.7	1841.1	2440.1	3036.9	3994.8	5100.4	5838.1	*5842.5*	5040.9	3735.0
70°	*898.5*	*885.3*	*1323.5*	*1876.3*	*2514.9*	*3690.9*	*4970.4*	*5880.0*	*5895.4*	*5078.3*	*3627.1*
72.5°	662.9	660.7	969.0	1339.0	1871.9	3116.2	4615.9	5606.9	*5635.5*	4814.1	3310.0
75°	521.9	528.5	691.5	951.4	1248.7	2305.7	3882.5	4807.5	*4851.5*	4157.8	2748.4
77.5°	427.2	427.2	484.5	682.7	834.6	1431.5	2792.4	3519.2	*3607.3*	3208.7	2116.3
80°	345.8	352.4	359.0	475.7	552.8	817.0	1625.2	2347.6	*2411.4*	2235.3	1528.3
82.5°	189.4	202.6	196.0	246.6	277.5	378.8	645.3	949.2	*1046.1*	931.5	693.7
85°	13.2	8.8	15.4	19.8	24.2	37.4	50.7	70.5	*66.1*	94.7	48.4
87.5°	2.2	2.2	2.2	4.4	4.4	6.6	8.8	8.8	*8.8*	8.8	8.8
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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Scaled Data Report

REPORT NUMBER: P868938
CATALOG NUMBER: EMM2-HSN-SA2B-722-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1907.1	1907.1	1907.1	1907.1	1907.1	1907.1	1907.1	1907.1	1907.1	1907.1	1907.1
2.5°	1915.9	1904.9	1887.3	1882.9	1876.3	1867.5	1858.7	1845.5	1841.1	1845.5	1849.9
5°	1918.1	1902.7	1874.1	1856.5	1838.9	1823.4	1805.8	1788.2	1777.2	1779.4	1788.2
7.5°	1924.7	1902.7	1858.7	1830.1	1801.4	1777.2	1748.6	1728.8	1715.5	1717.7	1724.3
10°	1933.6	1902.7	1849.9	1801.4	1761.8	1726.5	1697.9	1673.7	1660.5	1658.3	1660.5
12.5°	1935.8	1900.5	1830.1	1770.6	1722.1	1675.9	1645.1	1623.0	1609.8	1603.2	1607.6
15°	1942.4	1893.9	1810.2	1737.6	1678.1	1629.7	1592.2	1565.8	1557.0	1552.6	1550.4
17.5°	1951.2	1891.7	1792.6	1704.5	1634.1	1579.0	1546.0	1519.5	1508.5	1504.1	1508.5
20°	1964.4	1893.9	1772.8	1671.5	1594.4	1539.4	1501.9	1475.5	1466.7	1464.5	1462.3
22.5°	1982.0	1898.3	1757.4	1640.7	1550.4	1495.3	1457.9	1440.3	1433.7	1435.9	1435.9
25°	1999.6	1902.7	1735.4	1598.8	1504.1	1446.9	1420.4	1407.2	1411.6	1420.4	1420.4
27.5°	2015.0	1900.5	1704.5	1554.8	1449.1	1396.2	1376.4	1378.6	1389.6	1405.0	1407.2
30°	2034.9	1900.5	1671.5	1499.7	1387.4	1336.8	1332.3	1350.0	1367.6	1383.0	1383.0
32.5°	2065.7	1913.7	1645.1	1444.7	1323.5	1283.9	1303.7	1327.9	1347.8	1363.2	1367.6
35°	2118.5	1942.4	1627.4	1389.6	1261.9	1233.2	1270.7	1310.3	1323.5	1334.6	1336.8
37.5°	2169.2	1968.8	1605.4	1336.8	1198.0	1187.0	1237.7	1279.5	1281.7	1288.3	1288.3
40°	2217.6	1988.6	1576.8	1279.5	1136.4	1136.4	1195.8	1231.0	1226.6	1220.0	1222.2
42.5°	2270.5	1999.6	1543.8	1226.6	1085.7	1085.7	1134.1	1165.0	1162.8	1171.6	1178.2
45°	2334.4	2021.6	1499.7	1178.2	1032.8	1024.0	1063.7	1090.1	1123.1	1162.8	1173.8
47.5°	2422.5	2052.5	1464.5	1125.3	988.8	958.0	973.4	1028.4	1065.9	1098.9	1103.3
50°	2514.9	2096.5	1433.7	1070.3	935.9	880.9	894.1	955.8	977.8	991.0	997.6
52.5°	2614.0	2131.8	1407.2	1024.0	880.9	801.6	819.2	878.7	894.1	905.1	907.3
55°	2699.9	2160.4	1374.2	980.0	821.4	726.7	748.8	806.0	821.4	834.6	834.6
57.5°	2790.2	2186.8	1352.2	942.6	757.6	665.1	680.5	737.7	759.8	764.2	770.8
60°	2865.1	2211.0	1332.3	907.3	698.1	610.0	621.0	671.7	698.1	700.3	704.7
62.5°	2918.0	2226.5	1321.3	863.3	638.6	555.0	563.8	614.4	645.3	651.9	654.1
65°	2951.0	2235.3	1301.5	806.0	588.0	508.7	508.7	559.4	590.2	605.6	610.0
67.5°	2935.6	2219.8	1248.7	739.9	541.7	462.5	460.3	510.9	537.3	546.2	548.4
70°	*2816.7*	*2129.6*	*1140.8*	*658.5*	*493.3*	*420.6*	*416.2*	*462.5*	*486.7*	*466.9*	*469.1*
72.5°	2574.4	1924.7	993.2	577.0	442.6	381.0	376.6	416.2	418.4	418.4	416.2
75°	2169.2	1572.4	792.8	491.1	389.8	339.1	341.3	372.2	374.4	385.4	378.8
77.5°	1662.7	1165.0	618.8	392.0	330.3	301.7	312.7	323.7	339.1	354.6	339.1
80°	1209.0	803.8	429.4	292.9	255.5	255.5	259.9	270.9	292.9	308.3	292.9
82.5°	517.5	354.6	198.2	145.3	125.5	123.3	125.5	125.5	154.2	158.6	138.7
85°	39.6	33.0	24.2	24.2	19.8	11.0	11.0	8.8	6.6	6.6	6.6
87.5°	8.8	6.6	6.6	6.6	4.4	4.4	4.4	4.4	4.4	4.4	4.4
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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2407-157-2

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-40-722-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-40-722-U-5WQ-2

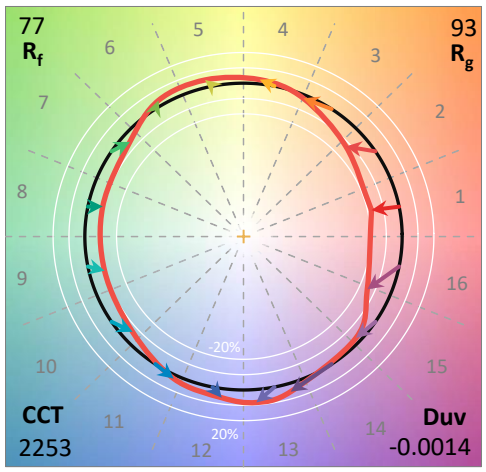
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-2
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-40-722-U-5WQ-2**
Description:	Epic Modern Light Square 40W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	2253	CRI (Ra):	70.6		
CIE u':	0.2868	R1:	68.4	R9:	-36.0
CIE v':	0.5332	R2:	88.7	R10:	78.2
Duv:	-0.0014	R3:	85.4	R11:	61.0
CIE x:	0.4974	R4:	63.5	R12:	74.2
CIE y:	0.4110	R5:	69.0	R13:	72.8
CIE z:	0.0915	R6:	88.9	R14:	92.2
Peak Wavelength (nm):	603	R7:	68.5	R15:	58.0
Dominant Wavelength (nm):	587	R8:	32.0		
Purity:	72.69432				
Rf:	76.9				
Rg:	92.7				



Test Conditions

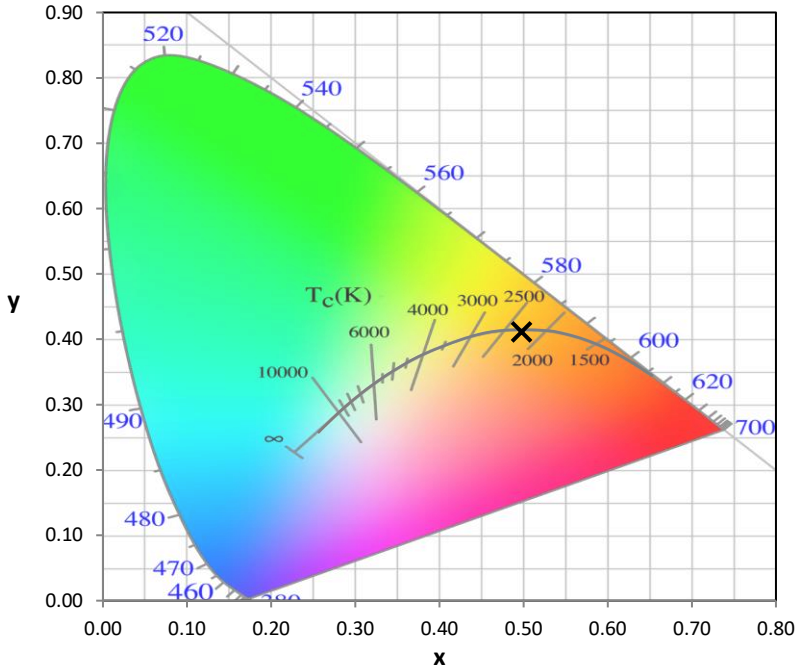
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	24.1

REPORT NUMBER: SP1-2407-157-2

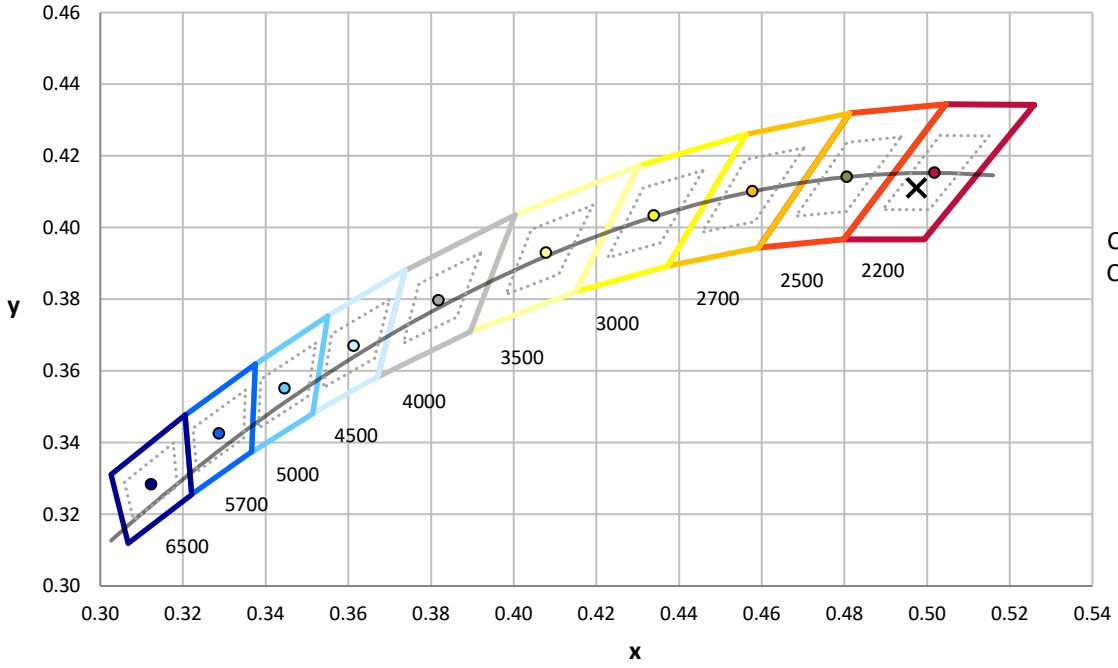
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-2

CIE 1931 Chromaticity Diagram



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

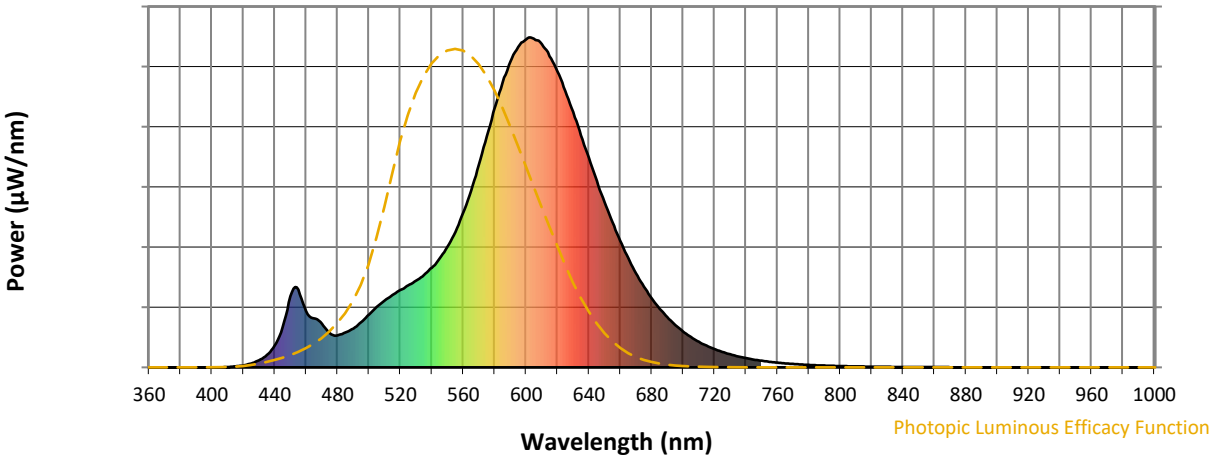


CCT = 2253K
CIE x = 0.4974
CIE y = 0.4110
Duv = -0.0014

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-2

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	117	NR	620	896	NR	750	20	NR	880	0	NR
365	0	NR	495	137	NR	625	838	NR	755	17	NR	885	0	NR
370	0	NR	500	160	NR	630	774	NR	760	14	NR	890	0	NR
375	0	NR	505	183	NR	635	704	NR	765	12	NR	895	0	NR
380	0	NR	510	202	NR	640	635	NR	770	10	NR	900	0	NR
385	0	NR	515	219	NR	645	565	NR	775	9	NR	905	0	NR
390	0	NR	520	235	NR	650	501	NR	780	7	NR	910	0	NR
395	0	NR	525	249	NR	655	440	NR	785	6	NR	915	0	NR
400	0	NR	530	263	NR	660	383	NR	790	5	NR	920	0	NR
405	0	NR	535	281	NR	665	332	NR	795	5	NR	925	0	NR
410	1	NR	540	302	NR	670	286	NR	800	4	NR	930	0	NR
415	3	NR	545	331	NR	675	245	NR	805	3	NR	935	0	NR
420	6	NR	550	366	NR	680	210	NR	810	3	NR	940	0	NR
425	12	NR	555	411	NR	685	178	NR	815	3	NR	945	0	NR
430	21	NR	560	469	NR	690	152	NR	820	2	NR	950	0	NR
435	38	NR	565	536	NR	695	129	NR	825	2	NR	955	0	NR
440	66	NR	570	614	NR	700	109	NR	830	2	NR	960	0	NR
445	122	NR	575	701	NR	705	92	NR	835	1	NR	965	0	NR
450	215	NR	580	785	NR	710	77	NR	840	1	NR	970	0	NR
455	236	NR	585	863	NR	715	66	NR	845	1	NR	975	0	NR
460	170	NR	590	928	NR	720	55	NR	850	1	NR	980	0	NR
465	148	NR	595	971	NR	725	47	NR	855	1	NR	985	0	NR
470	132	NR	600	994	NR	730	40	NR	860	1	NR	990	0	NR
475	104	NR	605	996	NR	735	33	NR	865	1	NR	995	0	NR
480	97	NR	610	979	NR	740	28	NR	870	1	NR	1000	0	NR
485	105	NR	615	943	NR	745	24	NR	875	0	NR			

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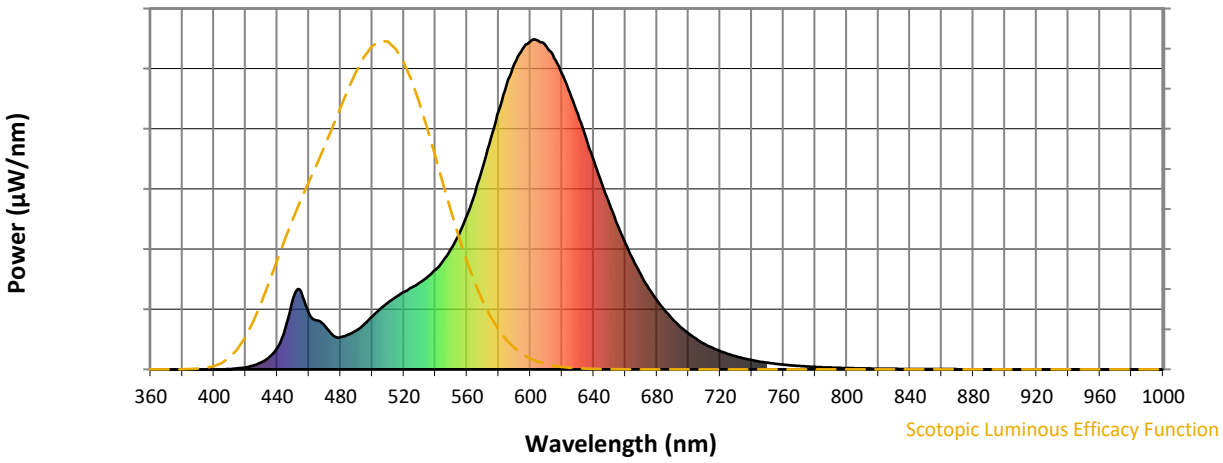
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 0.96**

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	117	NR	620	896	NR	750	20	NR	880	0	NR
365	0	NR	495	137	NR	625	838	NR	755	17	NR	885	0	NR
370	0	NR	500	160	NR	630	774	NR	760	14	NR	890	0	NR
375	0	NR	505	183	NR	635	704	NR	765	12	NR	895	0	NR
380	0	NR	510	202	NR	640	635	NR	770	10	NR	900	0	NR
385	0	NR	515	219	NR	645	565	NR	775	9	NR	905	0	NR
390	0	NR	520	235	NR	650	501	NR	780	7	NR	910	0	NR
395	0	NR	525	249	NR	655	440	NR	785	6	NR	915	0	NR
400	0	NR	530	263	NR	660	383	NR	790	5	NR	920	0	NR
405	0	NR	535	281	NR	665	332	NR	795	5	NR	925	0	NR
410	1	NR	540	302	NR	670	286	NR	800	4	NR	930	0	NR
415	3	NR	545	331	NR	675	245	NR	805	3	NR	935	0	NR
420	6	NR	550	366	NR	680	210	NR	810	3	NR	940	0	NR
425	12	NR	555	411	NR	685	178	NR	815	3	NR	945	0	NR
430	21	NR	560	469	NR	690	152	NR	820	2	NR	950	0	NR
435	38	NR	565	536	NR	695	129	NR	825	2	NR	955	0	NR
440	66	NR	570	614	NR	700	109	NR	830	2	NR	960	0	NR
445	122	NR	575	701	NR	705	92	NR	835	1	NR	965	0	NR
450	215	NR	580	785	NR	710	77	NR	840	1	NR	970	0	NR
455	236	NR	585	863	NR	715	66	NR	845	1	NR	975	0	NR
460	170	NR	590	928	NR	720	55	NR	850	1	NR	980	0	NR
465	148	NR	595	971	NR	725	47	NR	855	1	NR	985	0	NR
470	132	NR	600	994	NR	730	40	NR	860	1	NR	990	0	NR
475	104	NR	605	996	NR	735	33	NR	865	1	NR	995	0	NR
480	97	NR	610	979	NR	740	28	NR	870	1	NR	1000	0	NR
485	105	NR	615	943	NR	745	24	NR	875	0	NR			

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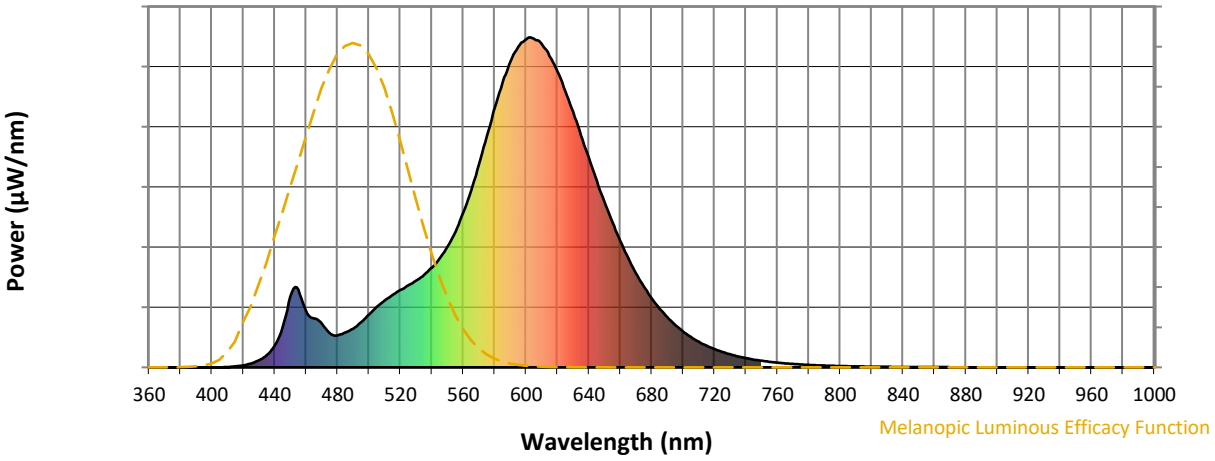
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	117	NR	620	896	NR	750	20	NR	880	0	NR
365	0	NR	495	137	NR	625	838	NR	755	17	NR	885	0	NR
370	0	NR	500	160	NR	630	774	NR	760	14	NR	890	0	NR
375	0	NR	505	183	NR	635	704	NR	765	12	NR	895	0	NR
380	0	NR	510	202	NR	640	635	NR	770	10	NR	900	0	NR
385	0	NR	515	219	NR	645	565	NR	775	9	NR	905	0	NR
390	0	NR	520	235	NR	650	501	NR	780	7	NR	910	0	NR
395	0	NR	525	249	NR	655	440	NR	785	6	NR	915	0	NR
400	0	NR	530	263	NR	660	383	NR	790	5	NR	920	0	NR
405	0	NR	535	281	NR	665	332	NR	795	5	NR	925	0	NR
410	1	NR	540	302	NR	670	286	NR	800	4	NR	930	0	NR
415	3	NR	545	331	NR	675	245	NR	805	3	NR	935	0	NR
420	6	NR	550	366	NR	680	210	NR	810	3	NR	940	0	NR
425	12	NR	555	411	NR	685	178	NR	815	3	NR	945	0	NR
430	21	NR	560	469	NR	690	152	NR	820	2	NR	950	0	NR
435	38	NR	565	536	NR	695	129	NR	825	2	NR	955	0	NR
440	66	NR	570	614	NR	700	109	NR	830	2	NR	960	0	NR
445	122	NR	575	701	NR	705	92	NR	835	1	NR	965	0	NR
450	215	NR	580	785	NR	710	77	NR	840	1	NR	970	0	NR
455	236	NR	585	863	NR	715	66	NR	845	1	NR	975	0	NR
460	170	NR	590	928	NR	720	55	NR	850	1	NR	980	0	NR
465	148	NR	595	971	NR	725	47	NR	855	1	NR	985	0	NR
470	132	NR	600	994	NR	730	40	NR	860	1	NR	990	0	NR
475	104	NR	605	996	NR	735	33	NR	865	1	NR	995	0	NR
480	97	NR	610	979	NR	740	28	NR	870	1	NR	1000	0	NR
485	105	NR	615	943	NR	745	24	NR	875	0	NR			

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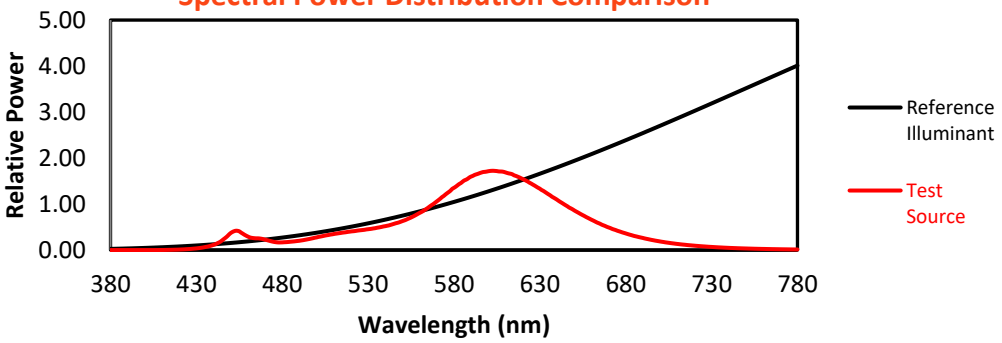
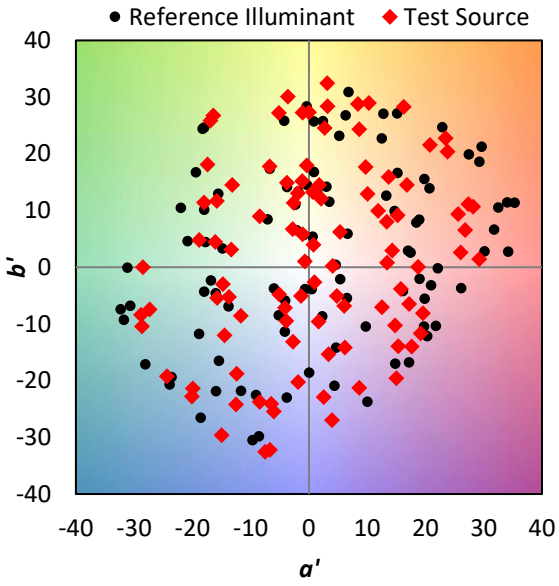
Summary

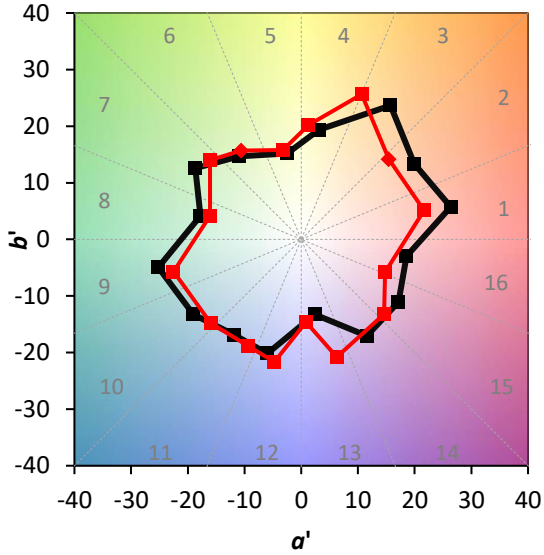
R_f = 76.9
R_g = 92.7
CIE R_a = 70.6
R_9 = -36.0

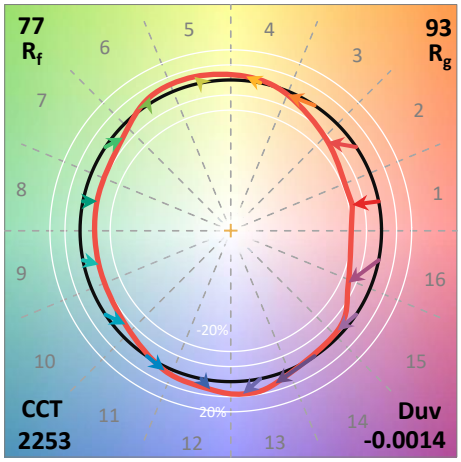
Spectral Power Distribution Comparison

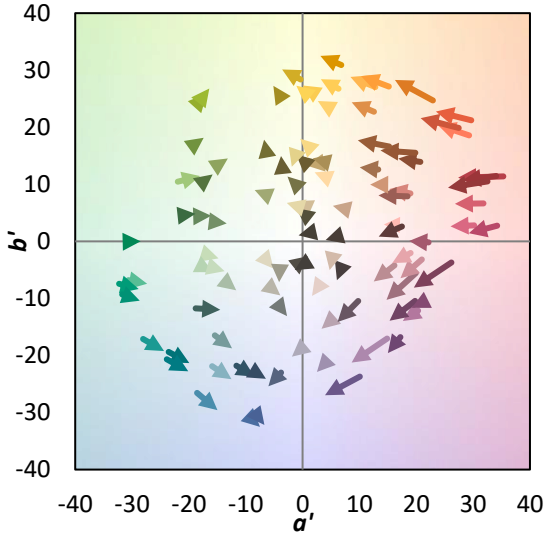


Color Vector Graphics









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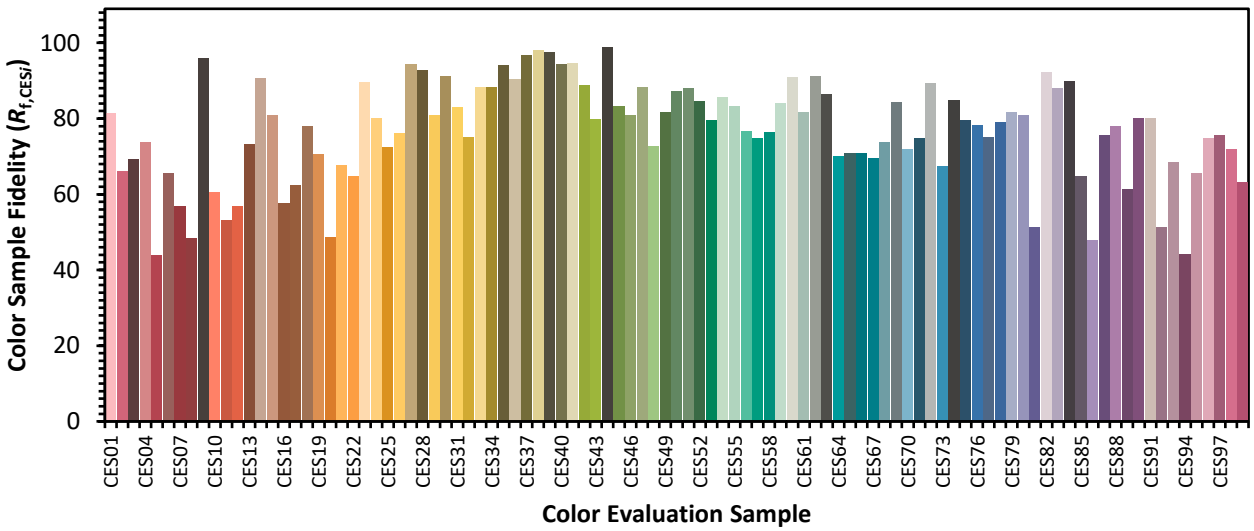
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 76	CES51 = 88	CES76 = 78
CES02 = 65	CES27 = 94	CES52 = 85	CES77 = 75
CES03 = 32	CES28 = 93	CES53 = 80	CES78 = 79
CES04 = 72	CES29 = 81	CES54 = 86	CES79 = 82
CES05 = 51	CES30 = 91	CES55 = 83	CES80 = 81
CES06 = 52	CES31 = 83	CES56 = 77	CES81 = 51
CES07 = 44	CES32 = 75	CES57 = 75	CES82 = 92
CES08 = 42	CES33 = 88	CES58 = 76	CES83 = 88
CES09 = 29	CES34 = 88	CES59 = 84	CES84 = 90
CES10 = 79	CES35 = 94	CES60 = 91	CES85 = 65
CES11 = 62	CES36 = 90	CES61 = 82	CES86 = 48
CES12 = 68	CES37 = 97	CES62 = 91	CES87 = 76
CES13 = 45	CES38 = 98	CES63 = 86	CES88 = 78
CES14 = 75	CES39 = 97	CES64 = 70	CES89 = 61
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 95	CES66 = 71	CES91 = 80
CES17 = 51	CES42 = 89	CES67 = 70	CES92 = 51
CES18 = 57	CES43 = 80	CES68 = 74	CES93 = 68
CES19 = 74	CES44 = 99	CES69 = 84	CES94 = 44
CES20 = 68	CES45 = 83	CES70 = 72	CES95 = 66
CES21 = 88	CES46 = 81	CES71 = 75	CES96 = 75
CES22 = 81	CES47 = 88	CES72 = 89	CES97 = 76
CES23 = 92	CES48 = 73	CES73 = 68	CES98 = 72
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 63
CES25 = 73	CES50 = 87	CES75 = 80	



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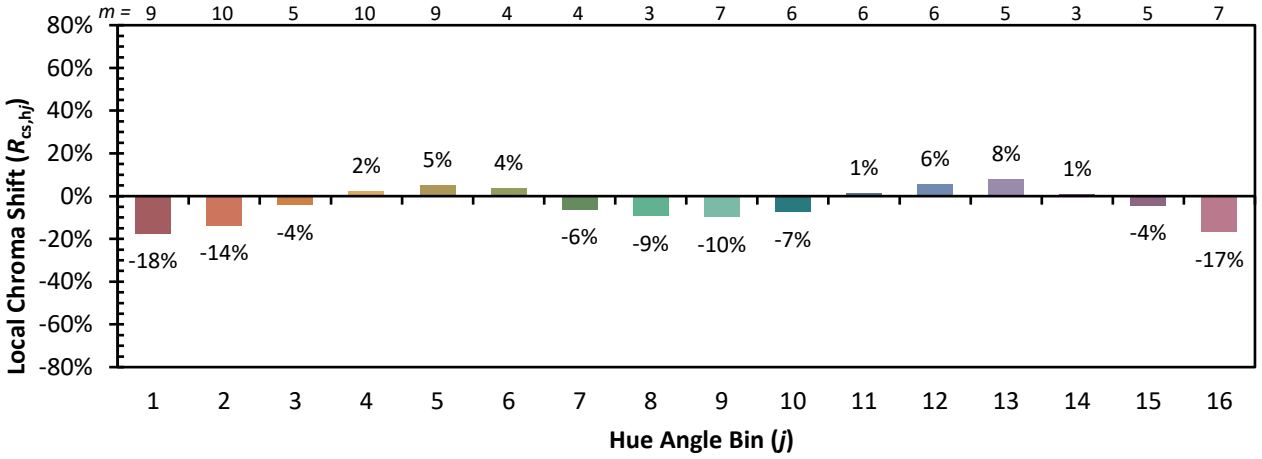
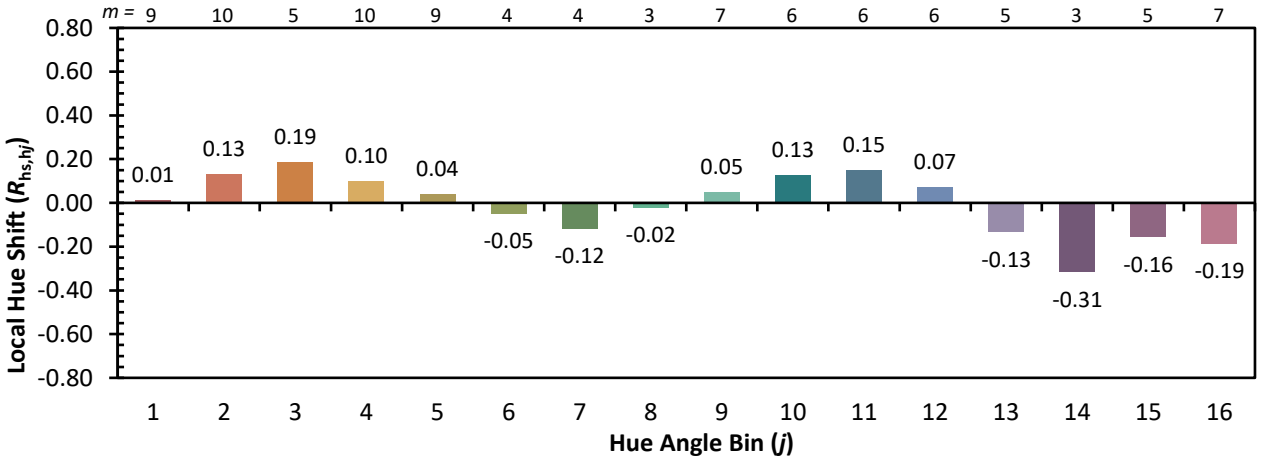
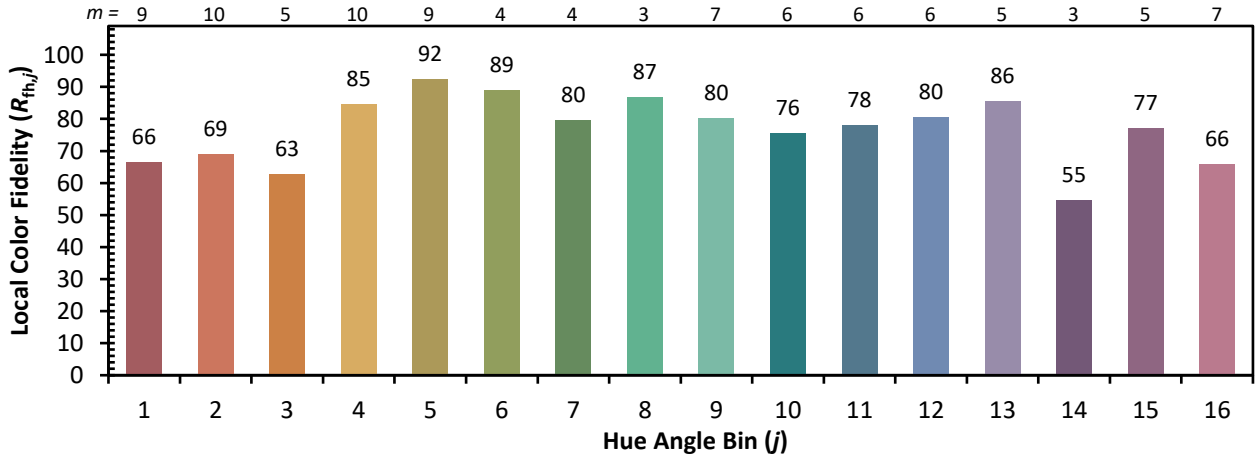
Color Rendition by Hue-Angle Bin







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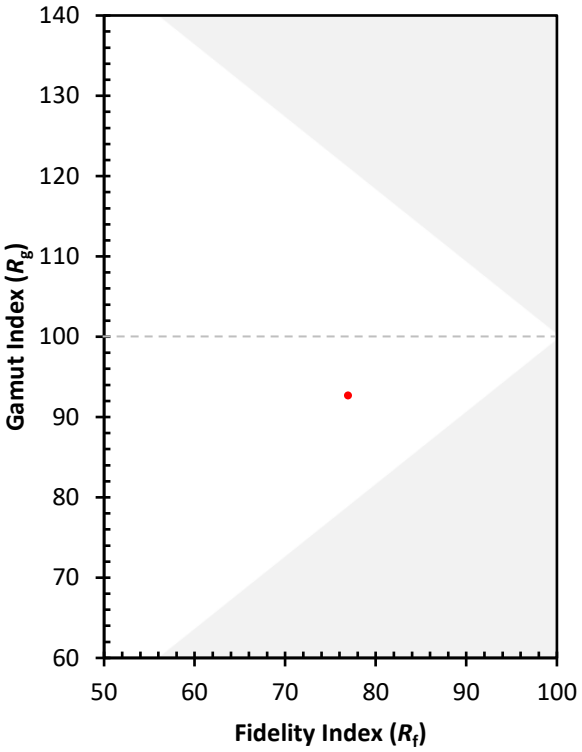
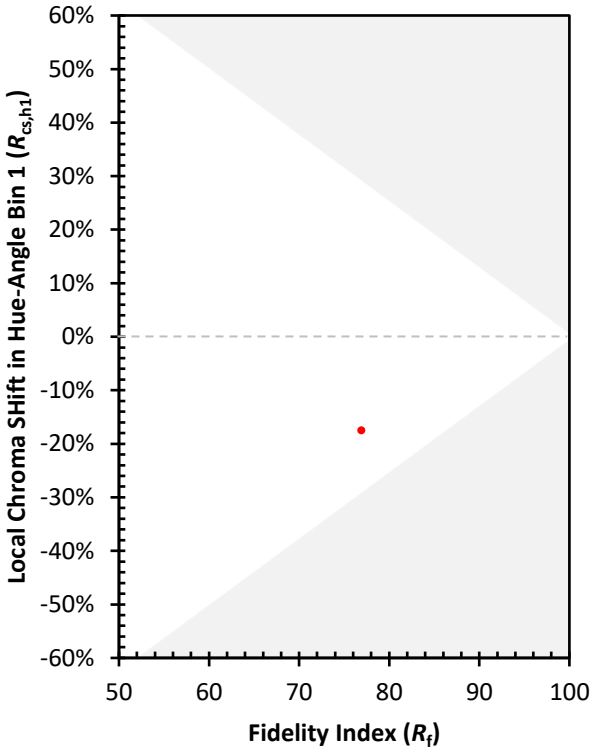
Measure Comparisons





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