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: P867704

Luminaire Tested: **MEM2-HTN-SA-90-750-U-T4W**

Issue Date: 08/21/2024

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:	P867704
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/21/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HTN-SA-90-750-U-T4W
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 90W 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:	12486.3 lumens
Efficiency:	N/A
Efficacy:	138.7 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):	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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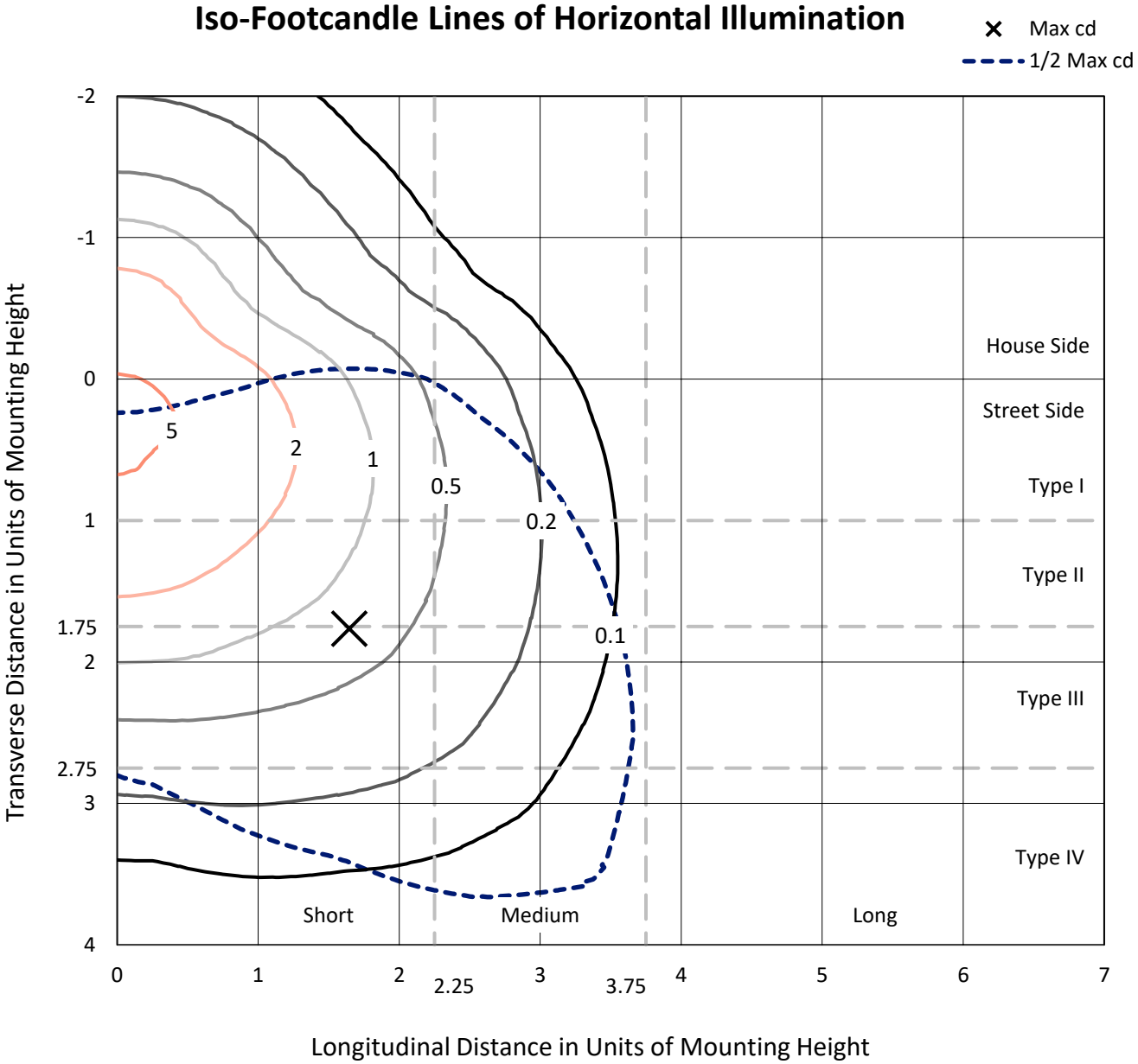
REPORT NUMBER: P867704
CATALOG NUMBER: MEM2-HTN-SA-90-750-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 6 fc
Type IV - Short - N/A

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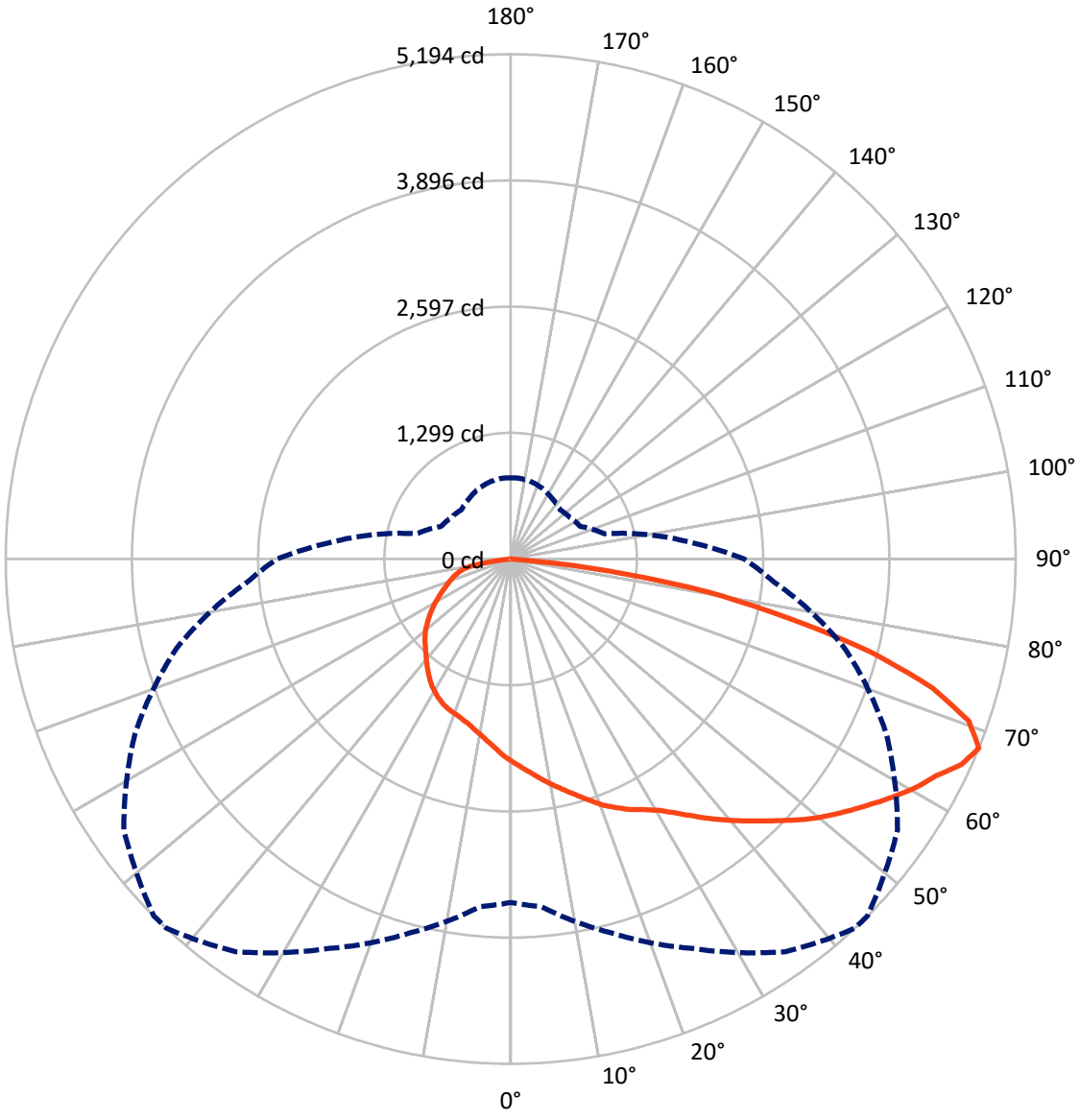
Luminous Intensity Polar Plot



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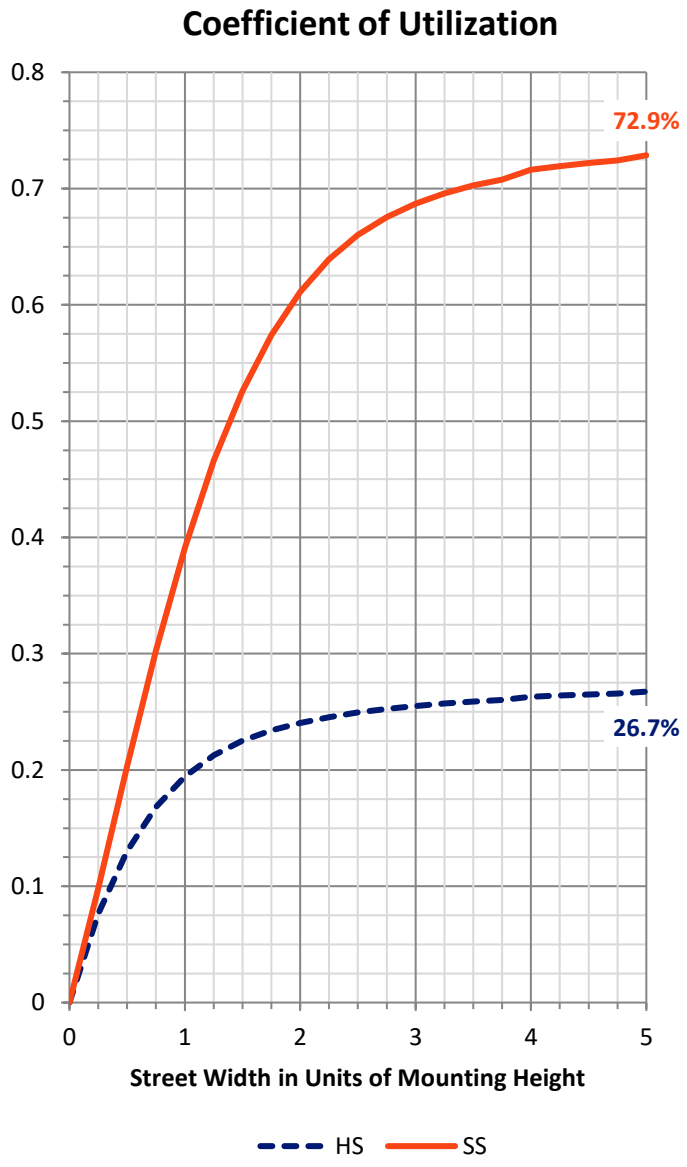
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3358.9	0.0	3358.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	9127.5	0.0	9127.5
	% Fixture	73.1	0.0	73.1
Total	Lumens	12486.3	0.0	12486.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.5	1.6
10°-20°	609.2	4.9
20°-30°	1039.3	8.3
30°-40°	1515.8	12.1
40°-50°	2036.4	16.3
50°-60°	2492.9	20.0
60°-70°	2623.5	21.0
70°-80°	1712.8	13.7
80°-90°	256.9	2.1
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°	12486.3	100.0
0°-180°	12486.3	100.0



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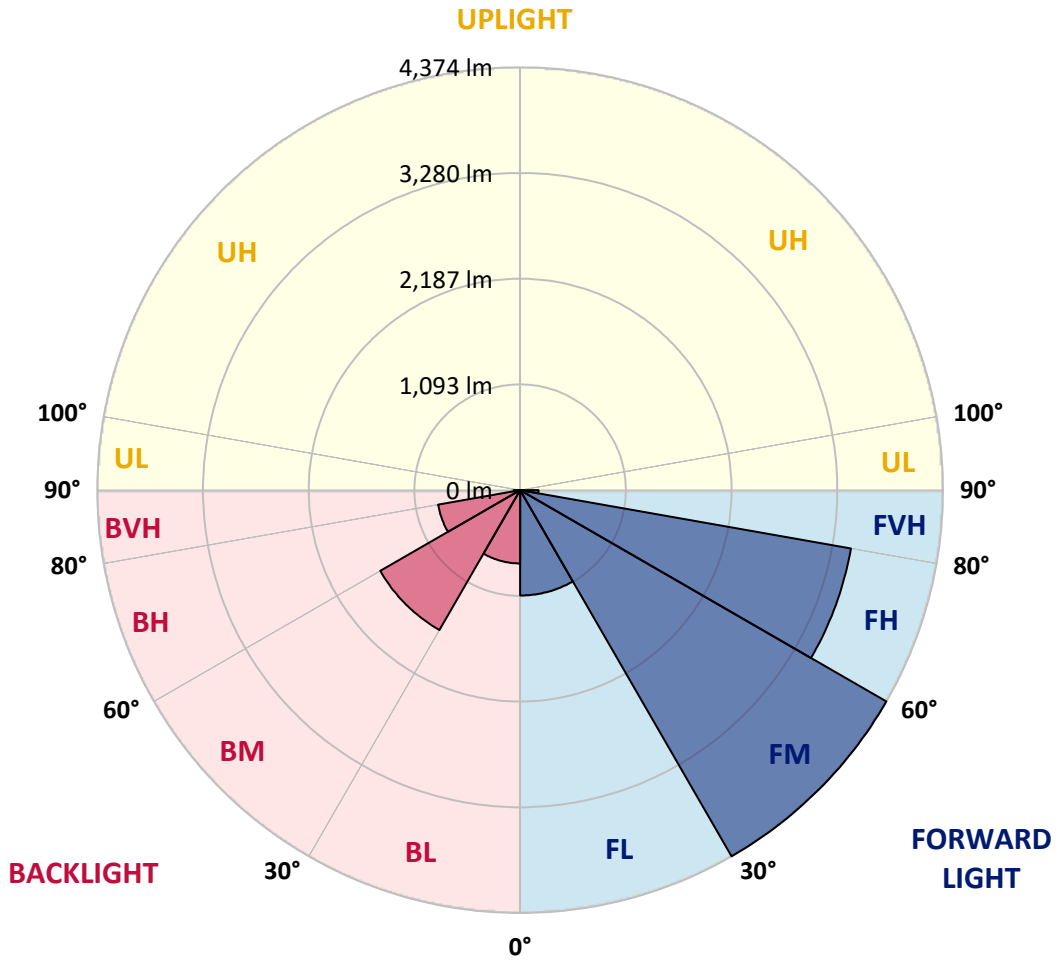
REPORT NUMBER: P867704
CATALOG NUMBER: MEM2-HTN-SA-90-750-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1089.7	8.7			
FM	(30°-60°)	4373.9	35.0			
FH	(60°-80°)	3474.4	27.8			G2/5000
FVH	(80°-90°)	189.6	1.5			G2/225
BL	(0°-30°)	758.3	6.1	B2/1000		
BM	(30°-60°)	1671.2	13.4	B2/2500		
BH	(60°-80°)	862.0	6.9	B2/1000		G2/1000
BVH	(80°-90°)	67.4	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2084.3	2084.3	2084.3	2084.3	2084.3	*2084.3*	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2180.3	2177.8	2170.2	2165.2	2150.0	*2147.5*	2147.5	2132.3	2114.7	2104.6	2094.4
5°	2278.9	2266.2	2261.2	2251.1	2225.8	*2210.7*	2215.7	2187.9	2152.6	2127.3	2099.5
7.5°	2367.3	2362.3	2344.6	2331.9	2301.6	*2286.5*	2281.4	2238.5	2193.0	2155.1	2109.6
10°	2473.4	2460.8	2450.7	2425.4	2385.0	*2362.3*	2354.7	2299.1	2241.0	2190.5	2129.8
12.5°	2569.4	2554.3	2541.6	2516.4	2475.9	*2438.0*	2427.9	2364.8	2291.5	2223.3	2147.5
15°	2642.7	2645.2	2632.6	2609.8	2564.4	*2518.9*	2511.3	2427.9	2339.5	2256.1	2165.2
17.5°	2710.9	2721.0	2713.4	2698.3	2652.8	*2607.3*	2599.7	2506.3	2400.2	2294.0	2185.4
20°	2776.6	2776.6	2774.1	2764.0	2731.1	*2700.8*	2685.6	2592.2	2458.3	2334.5	2213.2
22.5°	2814.5	2824.6	2824.6	2824.6	2804.4	*2779.1*	2774.1	2683.1	2536.6	2385.0	2238.5
25°	2872.6	2885.2	2885.2	2880.2	2862.5	*2854.9*	2847.3	2761.4	2612.4	2443.1	2266.2
27.5°	2996.4	2993.9	2973.7	2948.4	2923.1	*2920.6*	2910.5	2849.9	2700.8	2506.3	2304.1
30°	3168.2	3173.3	3148.0	3069.7	3011.6	*2998.9*	3001.5	2948.4	2804.4	2579.5	2347.1
32.5°	3431.0	3431.0	3332.4	3231.4	3148.0	*3115.1*	3107.6	3062.1	2910.5	2660.4	2395.1
35°	3628.0	3620.4	3564.9	3446.1	3342.5	*3249.0*	3236.4	3175.8	3029.2	2751.3	2448.2
37.5°	3777.1	3792.2	3749.3	3658.3	3557.3	*3395.6*	3370.3	3284.4	3137.9	2839.8	2501.2
40°	4065.1	4027.2	3923.6	3840.2	3719.0	*3539.6*	3516.9	3410.7	3249.0	2938.3	2566.9
42.5°	4274.8	4221.7	4103.0	3991.8	3840.2	*3683.6*	3663.4	3547.2	3377.9	3049.5	2635.1
45°	4575.4	4456.7	4292.5	4193.9	3979.2	*3840.2*	3815.0	3688.7	3511.8	3168.2	2721.0
47.5°	4866.0	4658.8	4484.5	4439.0	4130.8	*4009.5*	3989.3	3842.8	3655.8	3297.1	2804.4
50°	4828.1	4691.7	4633.6	4590.6	4262.2	*4168.7*	4148.5	3999.4	3802.3	3433.5	2887.8
52.5°	4732.1	4744.7	4747.2	4643.7	4386.0	*4317.7*	4297.5	4168.7	3953.9	3552.2	2968.6
55°	4833.1	4848.3	4845.8	4689.1	4530.0	*4466.8*	4454.2	4340.5	4100.5	3663.4	3026.7
57.5°	4987.3	4936.7	4929.2	4802.8	4684.1	*4626.0*	4610.8	4512.3	4224.3	3744.2	3072.2
60°	5015.1	4914.0	4946.8	4828.1	4800.3	*4782.6*	4777.6	4661.3	4340.5	3809.9	3089.9
62.5°	4704.3	4686.6	4815.5	4767.5	4860.9	*4911.5*	4914.0	4767.5	4403.6	3835.2	3072.2
65°	4173.7	4244.5	4522.4	4661.3	4951.9	*5095.9*	5090.8	4830.6	4396.1	3761.9	2963.6
67.5°	*3534.5*	*3590.1*	*3981.7*	*4421.3*	*4931.7*	*5194.4*	*5191.9*	*4858.4*	*4264.7*	*3559.8*	*2718.5*
70°	2680.6	2854.9	3410.7	3989.3	4658.8	*4999.9*	5042.8	4701.8	3964.0	3190.9	2347.1
72.5°	2038.9	2066.7	2738.7	3345.1	4171.2	*4537.5*	4530.0	4201.5	3461.3	2688.2	1955.5
75°	1447.7	1508.3	2061.6	2592.2	3418.3	*3825.1*	3807.4	3446.1	2761.4	2091.9	1495.7
77.5°	1078.8	1101.5	1508.3	1922.6	2556.8	*2923.1*	2915.6	2546.7	2031.3	1536.1	1114.2
80°	788.3	826.2	1086.4	1341.6	1733.2	*2049.0*	2038.9	1690.2	1303.7	1073.8	813.5
82.5°	442.1	469.9	631.6	811.0	914.6	*1013.1*	970.2	811.0	593.7	462.3	399.2
85°	12.6	15.2	22.7	27.8	48.0	*80.8*	88.4	78.3	93.5	58.1	63.2
87.5°	5.1	5.1	5.1	5.1	5.1	*7.6*	7.6	7.6	7.6	7.6	7.6
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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REPORT NUMBER: P867704
CATALOG NUMBER: MEM2-HTN-SA-90-750-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2089.4	2079.3	2059.1	2046.4	2038.9	2028.8	2013.6	2003.5	1995.9	2006.0	2003.5
5°	2086.9	2066.7	2031.3	2006.0	1980.8	1960.5	1937.8	1920.1	1910.0	1915.1	1912.5
7.5°	2086.9	2061.6	2006.0	1965.6	1927.7	1897.4	1872.1	1849.4	1839.3	1841.8	1839.3
10°	2097.0	2061.6	1988.3	1930.2	1879.7	1844.3	1816.5	1796.3	1788.7	1796.3	1798.9
12.5°	2107.1	2061.6	1973.2	1899.9	1834.2	1796.3	1771.1	1758.4	1763.5	1766.0	1768.5
15°	2112.1	2059.1	1958.0	1864.5	1791.3	1750.8	1735.7	1733.2	1745.8	1758.4	1761.0
17.5°	2124.8	2056.6	1935.3	1829.2	1753.4	1720.5	1713.0	1723.1	1748.3	1766.0	1771.1
20°	2139.9	2061.6	1910.0	1786.2	1715.5	1690.2	1702.8	1725.6	1755.9	1781.2	1786.2
22.5°	2155.1	2064.1	1887.3	1748.3	1675.1	1670.0	1697.8	1730.6	1766.0	1791.3	1796.3
25°	2172.8	2064.1	1857.0	1700.3	1634.6	1642.2	1685.2	1728.1	1761.0	1793.8	1798.9
27.5°	2190.5	2069.2	1824.1	1647.3	1584.1	1606.8	1659.9	1713.0	1748.3	1781.2	1788.7
30°	2220.8	2079.3	1796.3	1601.8	1533.6	1563.9	1627.0	1687.7	1725.6	1761.0	1768.5
32.5°	2251.1	2094.4	1773.6	1553.8	1483.0	1518.4	1589.2	1657.4	1697.8	1730.6	1735.7
35°	2291.5	2114.7	1755.9	1505.8	1432.5	1460.3	1536.1	1611.9	1657.4	1682.6	1695.3
37.5°	2334.5	2142.5	1740.7	1462.8	1376.9	1402.2	1483.0	1563.9	1611.9	1637.2	1642.2
40°	2387.5	2180.3	1730.6	1422.4	1323.9	1344.1	1424.9	1513.4	1558.8	1576.5	1586.6
42.5°	2445.6	2220.8	1723.1	1382.0	1265.8	1286.0	1371.9	1457.8	1503.3	1518.4	1526.0
45°	2518.9	2273.8	1718.0	1339.0	1217.8	1235.4	1321.3	1407.2	1445.1	1465.4	1472.9
47.5°	2587.1	2326.9	1702.8	1288.5	1164.7	1190.0	1268.3	1344.1	1387.0	1399.7	1407.2
50°	2655.3	2372.4	1672.5	1232.9	1116.7	1139.4	1210.2	1265.8	1298.6	1313.8	1318.8
52.5°	2721.0	2405.2	1624.5	1174.8	1066.2	1081.3	1139.4	1192.5	1215.2	1220.3	1235.4
55°	2764.0	2422.9	1556.3	1106.6	1015.6	1020.7	1063.6	1111.6	1124.3	1126.8	1126.8
57.5°	2794.3	2412.8	1475.5	1038.4	965.1	965.1	990.4	1028.3	1033.3	1035.9	1040.9
60°	2799.3	2377.4	1371.9	975.2	909.5	902.0	927.2	950.0	952.5	957.5	962.6
62.5°	2761.4	2299.1	1260.7	914.6	856.5	838.8	861.5	884.3	896.9	904.5	909.5
65°	2645.2	2139.9	1134.4	853.9	805.9	775.6	803.4	841.3	866.6	869.1	869.1
67.5°	*2402.7*	*1882.2*	*1000.5*	*790.8*	*745.3*	*717.5*	*752.9*	*793.3*	*823.6*	*836.3*	*833.7*
70°	2036.3	1596.7	876.7	725.1	684.7	667.0	704.9	750.4	775.6	785.7	790.8
72.5°	1639.7	1278.4	768.0	659.4	631.6	621.5	659.4	704.9	740.3	755.4	757.9
75°	1275.9	1005.5	677.1	591.2	568.5	571.0	611.4	656.9	694.8	702.4	679.6
77.5°	990.4	800.9	591.2	510.3	497.7	515.4	555.8	603.8	626.6	634.1	619.0
80°	715.0	613.9	477.5	401.7	401.7	429.5	464.9	520.5	528.0	517.9	523.0
82.5°	338.5	298.1	235.0	194.5	181.9	202.1	214.8	232.4	252.6	257.7	245.1
85°	45.5	30.3	22.7	25.3	22.7	15.2	10.1	10.1	10.1	7.6	7.6
87.5°	7.6	7.6	5.1	5.1	5.1	5.1	5.1	5.1	2.5	2.5	2.5
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: SP1-2407-157-6

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

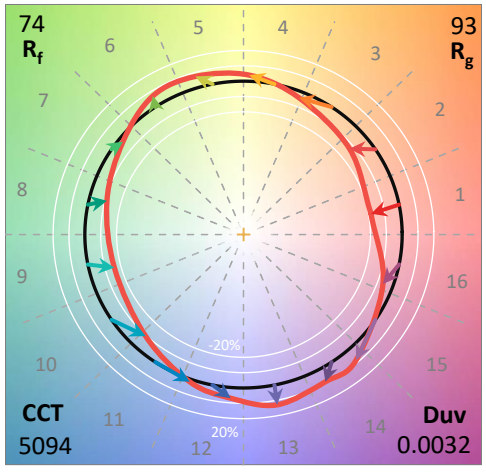
Test Information

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



Test Conditions

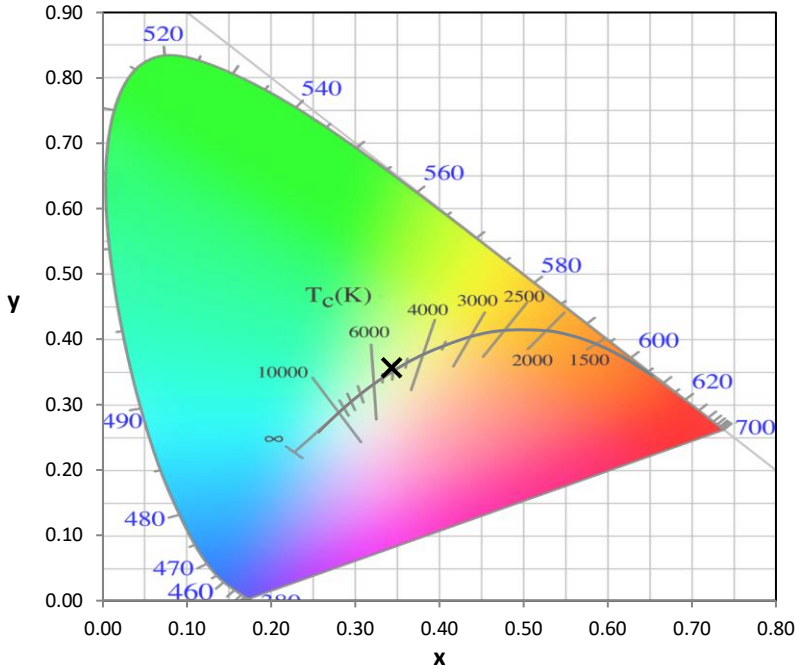
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-6

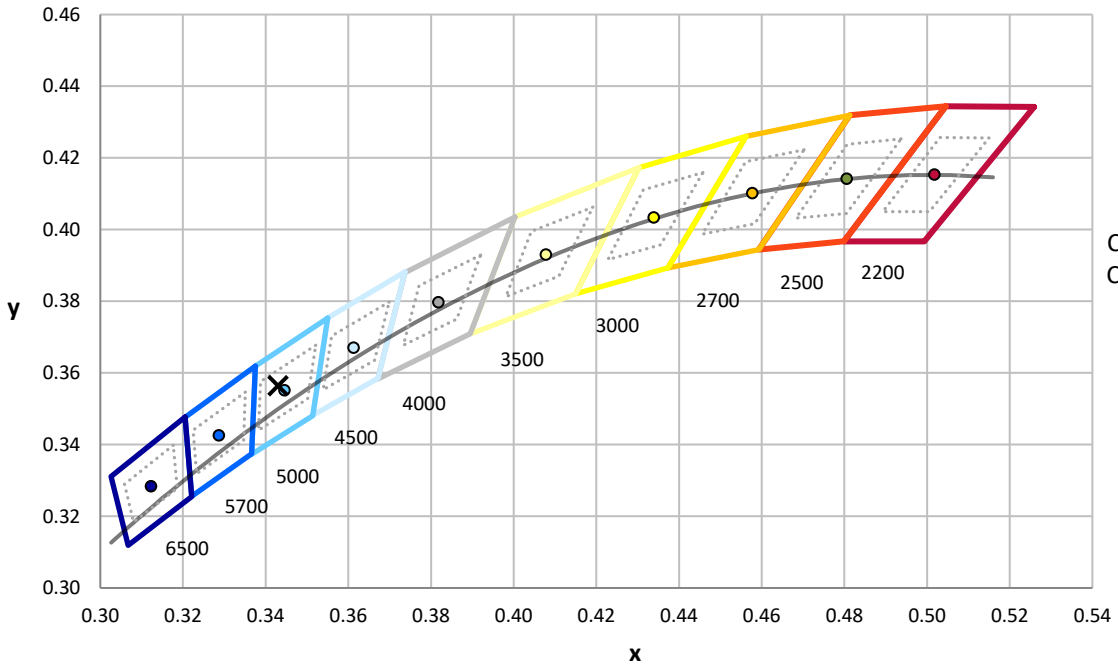
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-6

CIE 1931 Chromaticity Diagram



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



CCT = 5094K
CIE x = 0.3430
CIE y = 0.3564
Duv = 0.0032

Point lies inside the ANSI 5000K 4-step quadrangle

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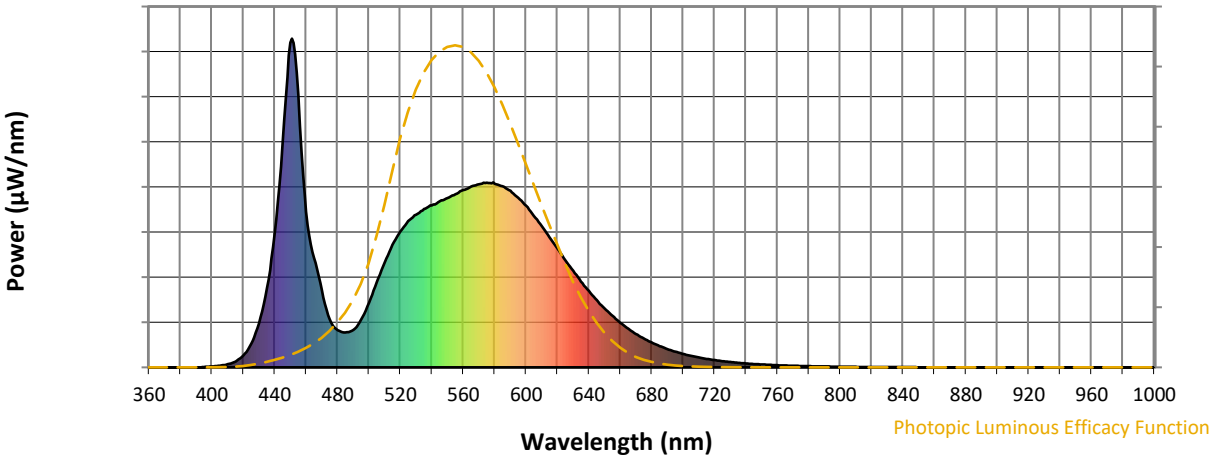
Photopic Flux vs. Wavelength



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			

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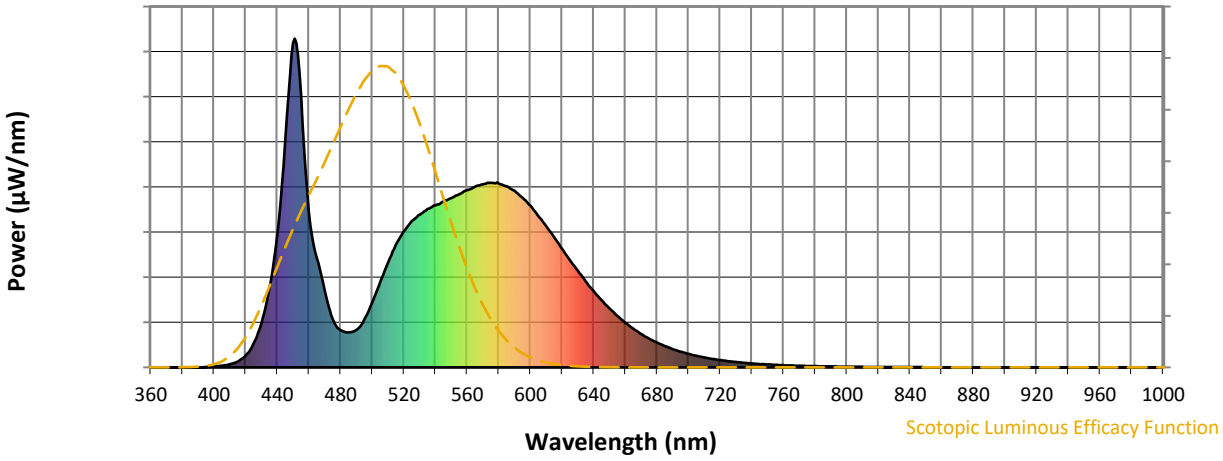
Scotopic Flux vs. Wavelength



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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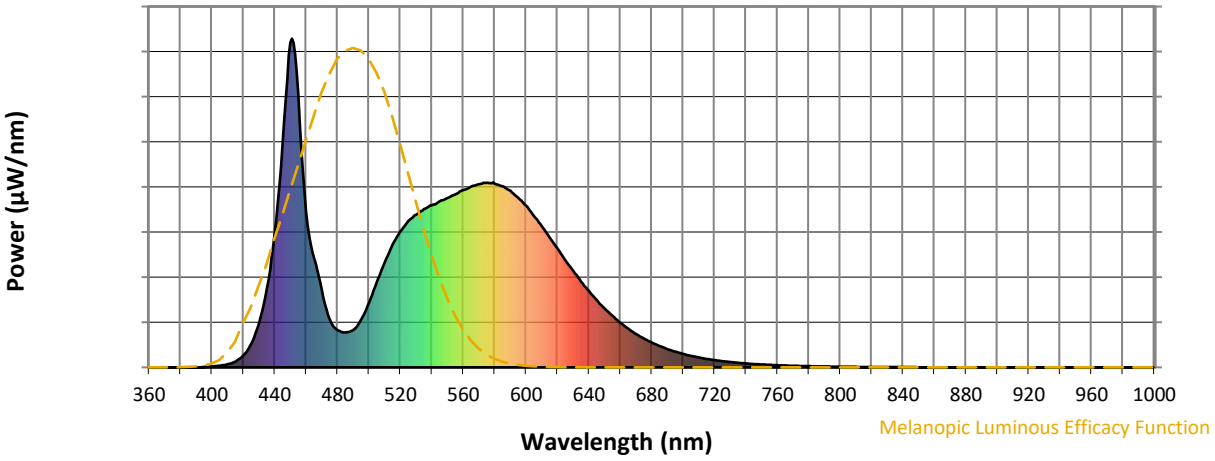
Melanopic Flux vs. Wavelength



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			

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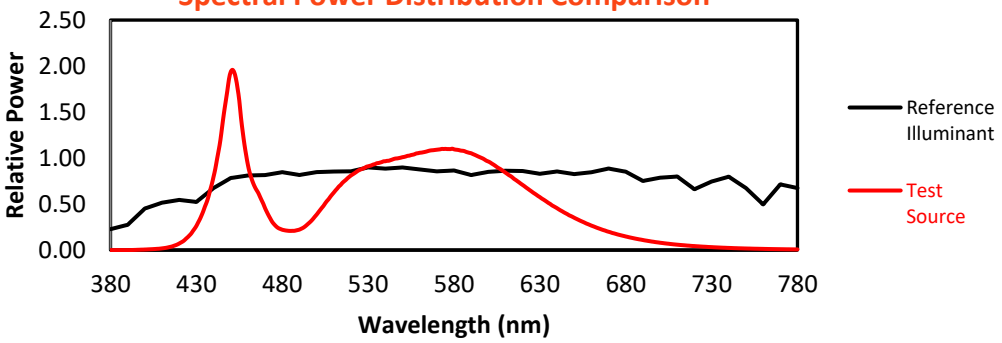
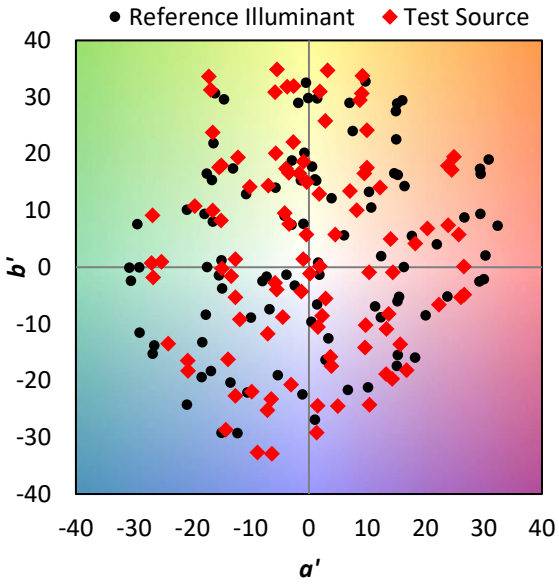
Summary

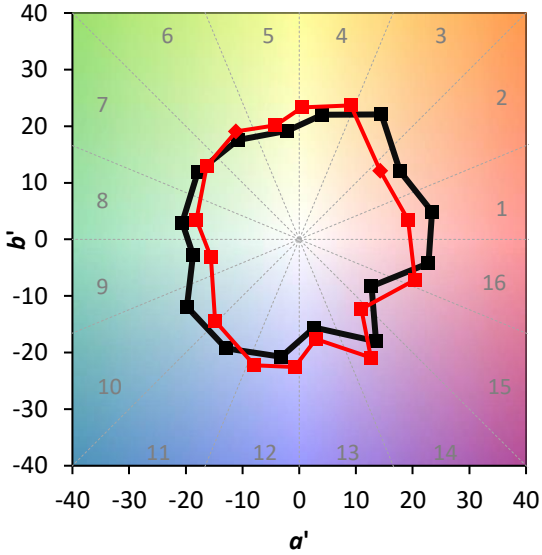
R_f = 73.7
R_g = 93
CIE R_a = 72.0
R_9 = -39.6

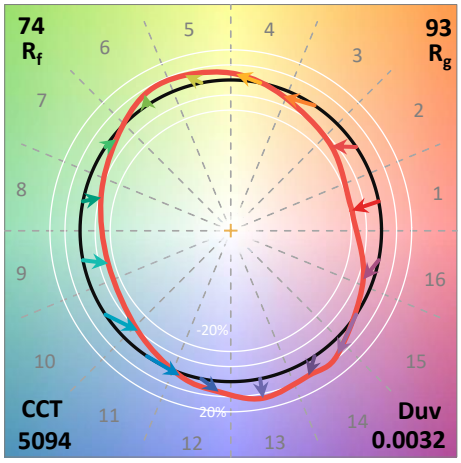
Spectral Power Distribution Comparison

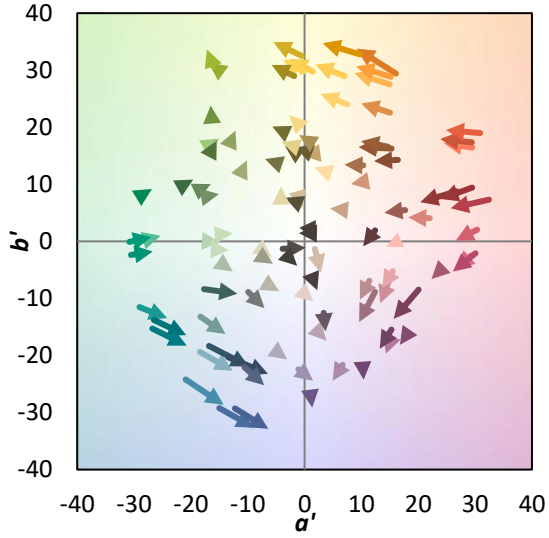


Color Vector Graphics









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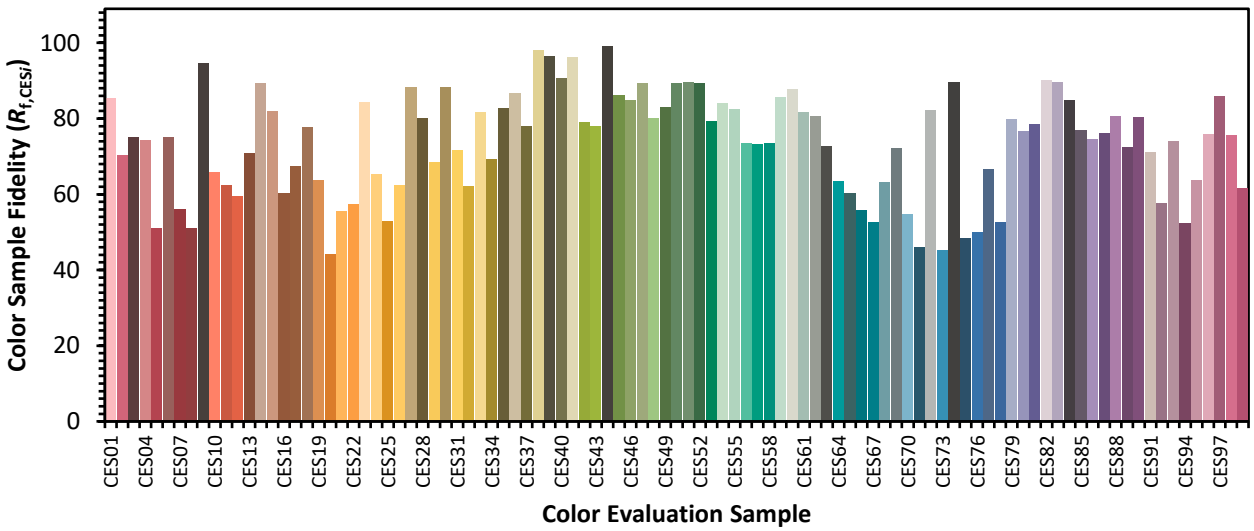
Individual Sample Fidelity Index ($R_{f,i}$)

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	



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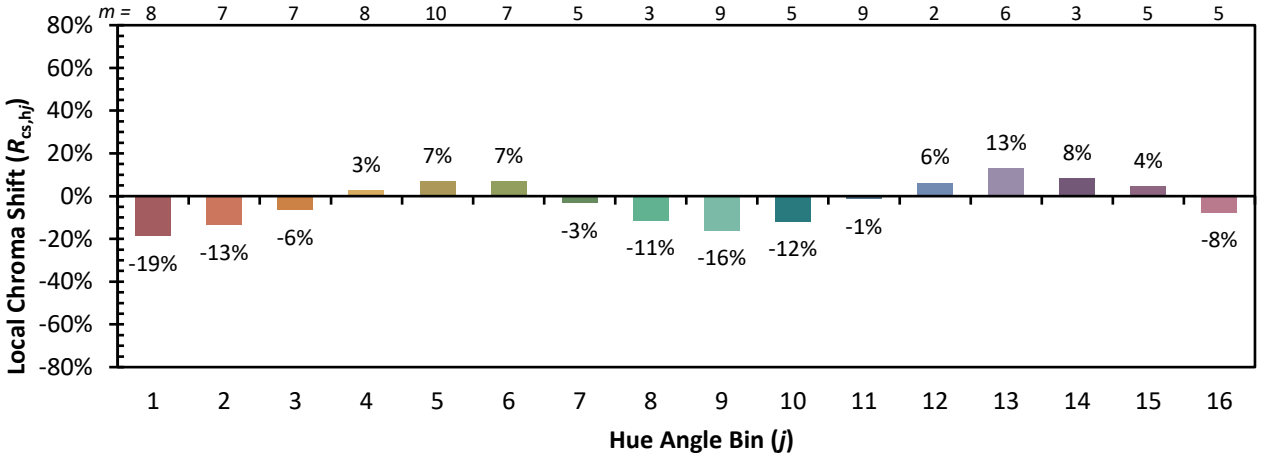
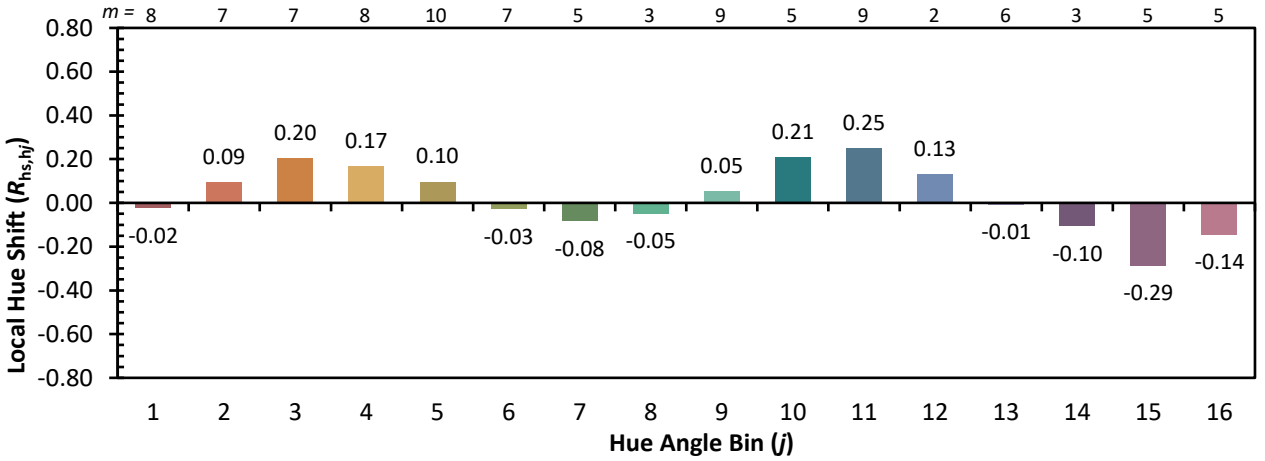
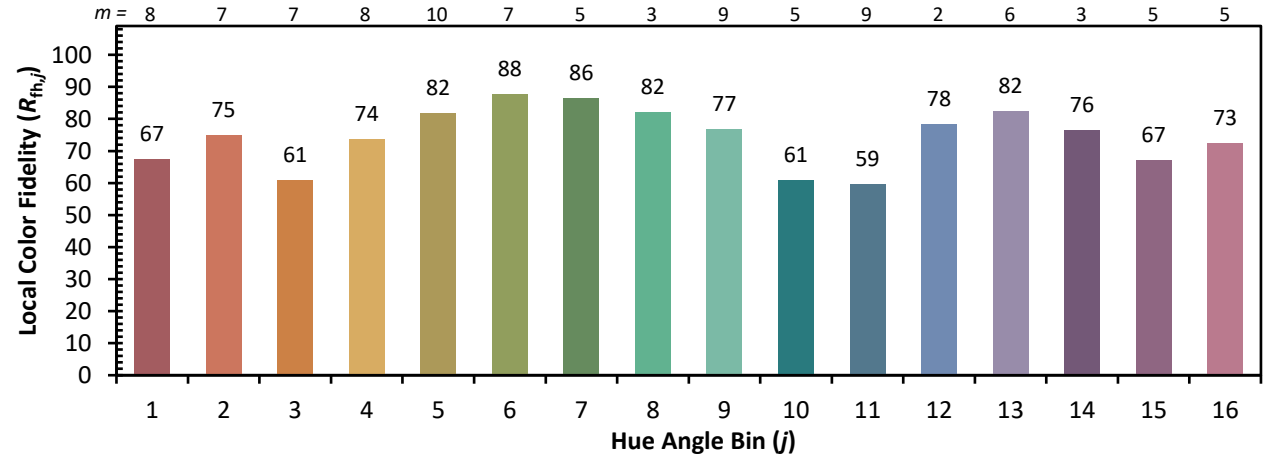
Color Rendition by Hue-Angle Bin







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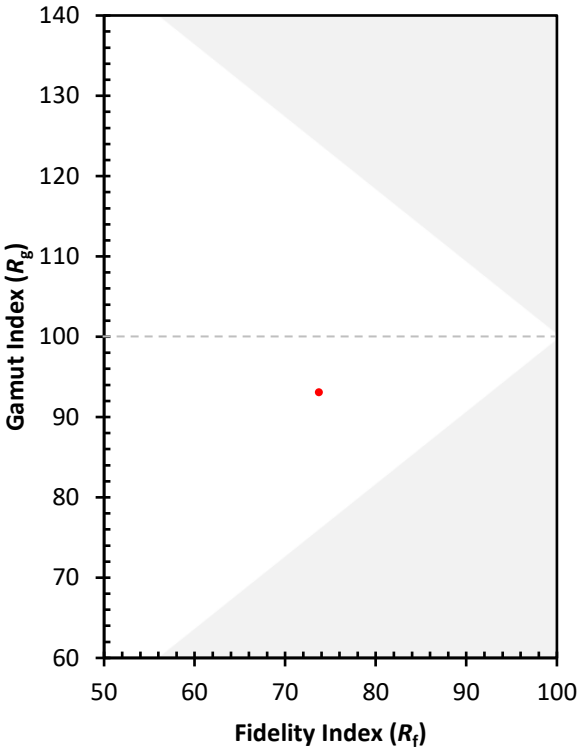
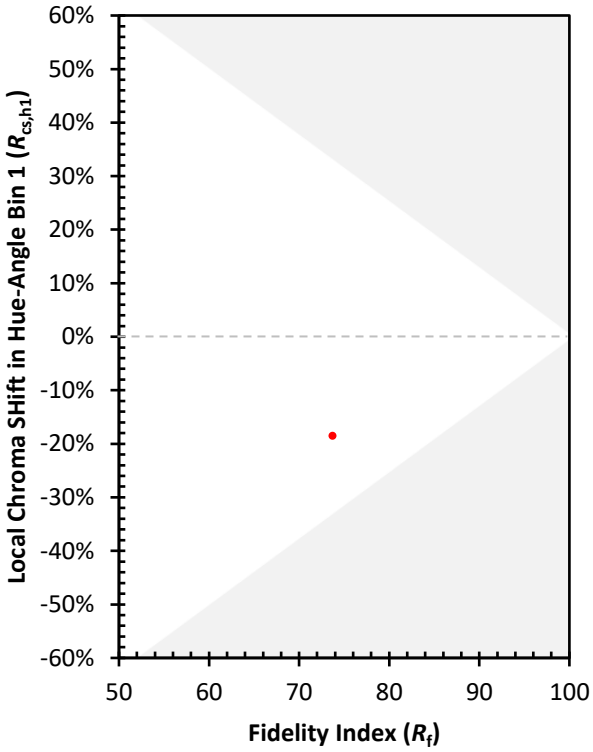
Measure Comparisons





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