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: P868111

Luminaire Tested: **MEM2-HSN-SA-100-730-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:	P868111
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/21/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HSN-SA-100-730-U-T4W
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 100W 70CRI 3000K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source:	(20) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12782.3 lumens
Efficiency:	N/A
Efficacy:	126.6 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):	101
Input Voltage (V):	120
Input Current (Ain):	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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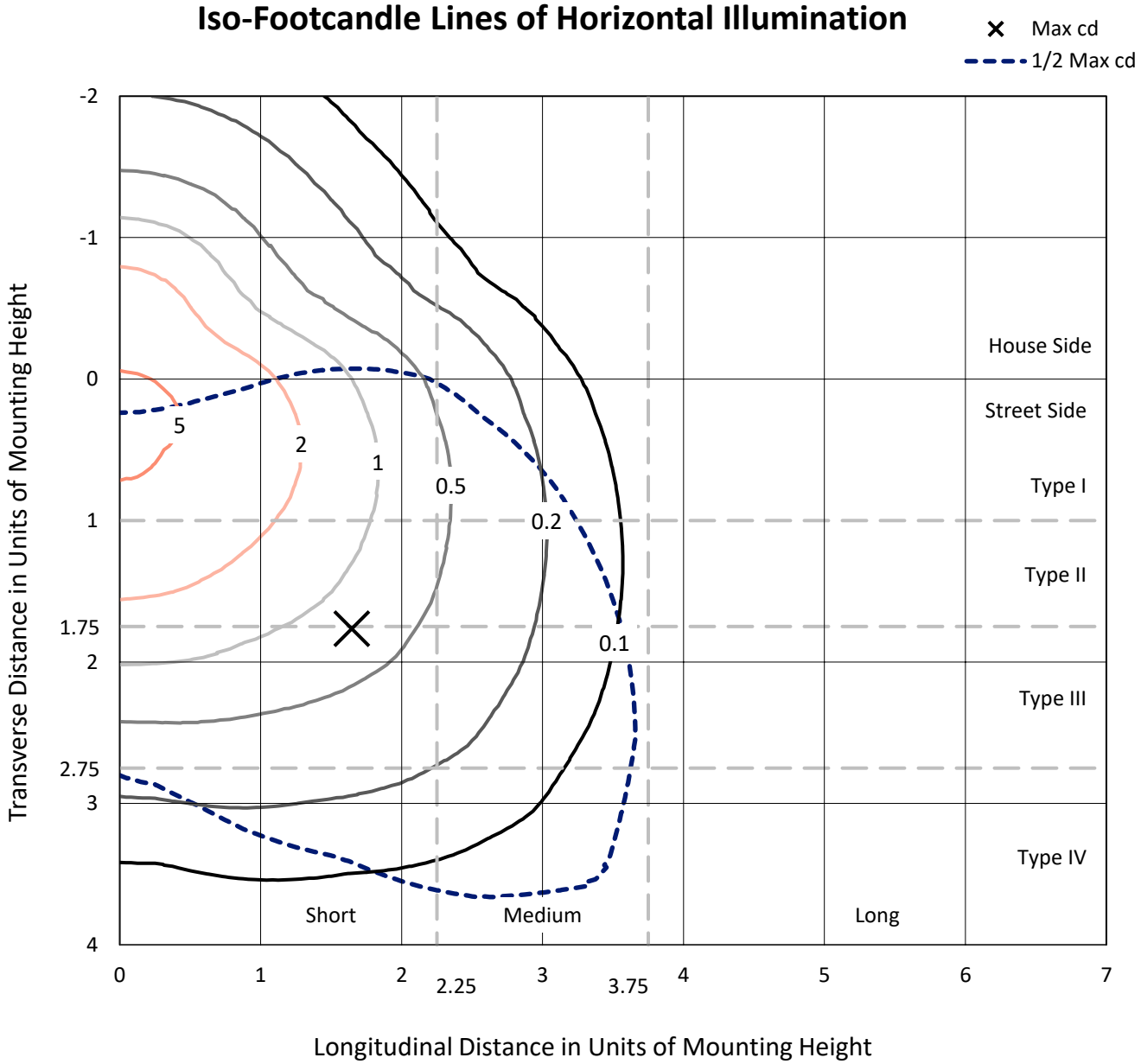
Scaled Data Report

REPORT NUMBER: P868111
CATALOG NUMBER: MEM2-HSN-SA-100-730-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
Type IV - Short - N/A

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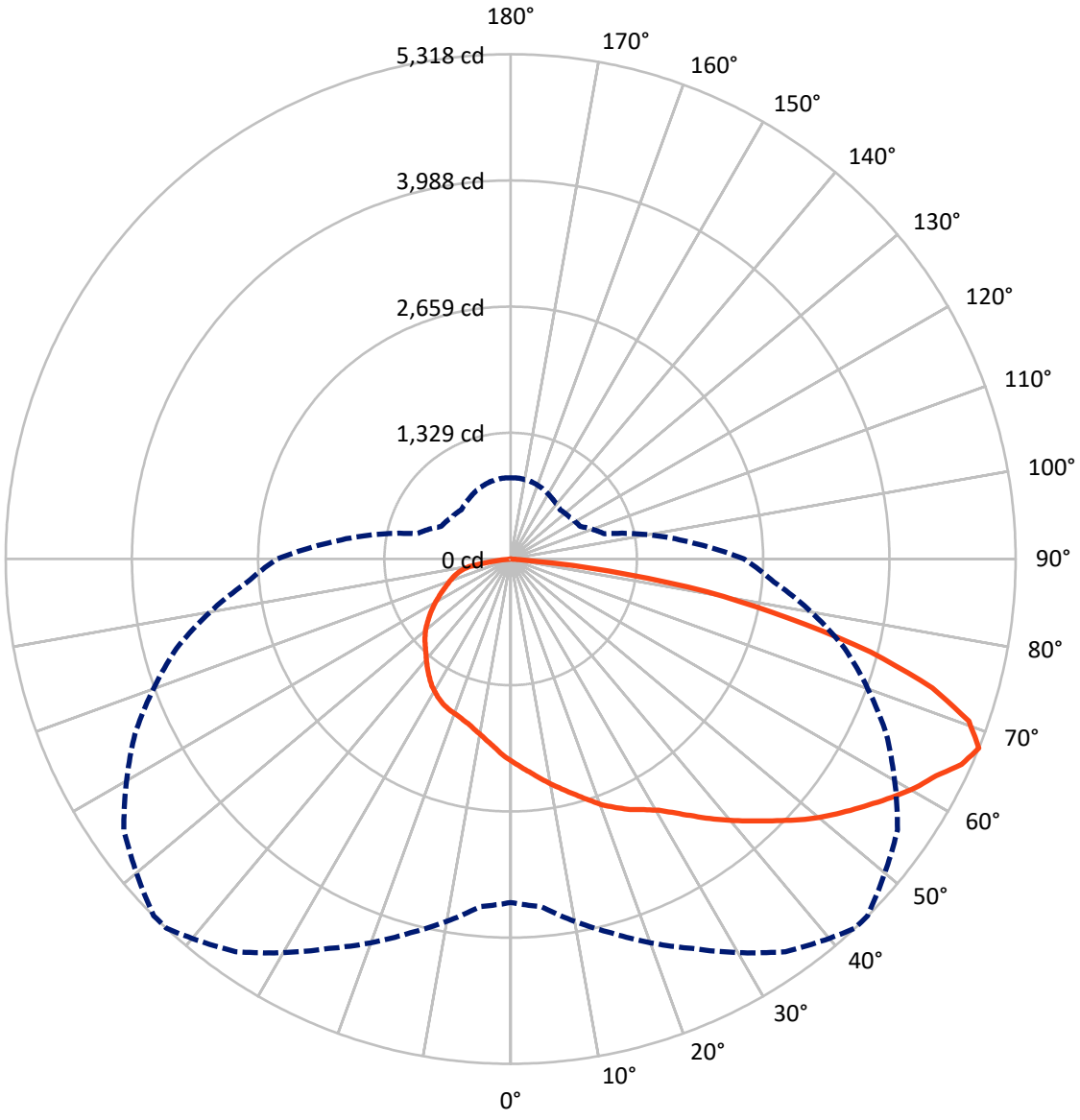
Luminous Intensity Polar Plot



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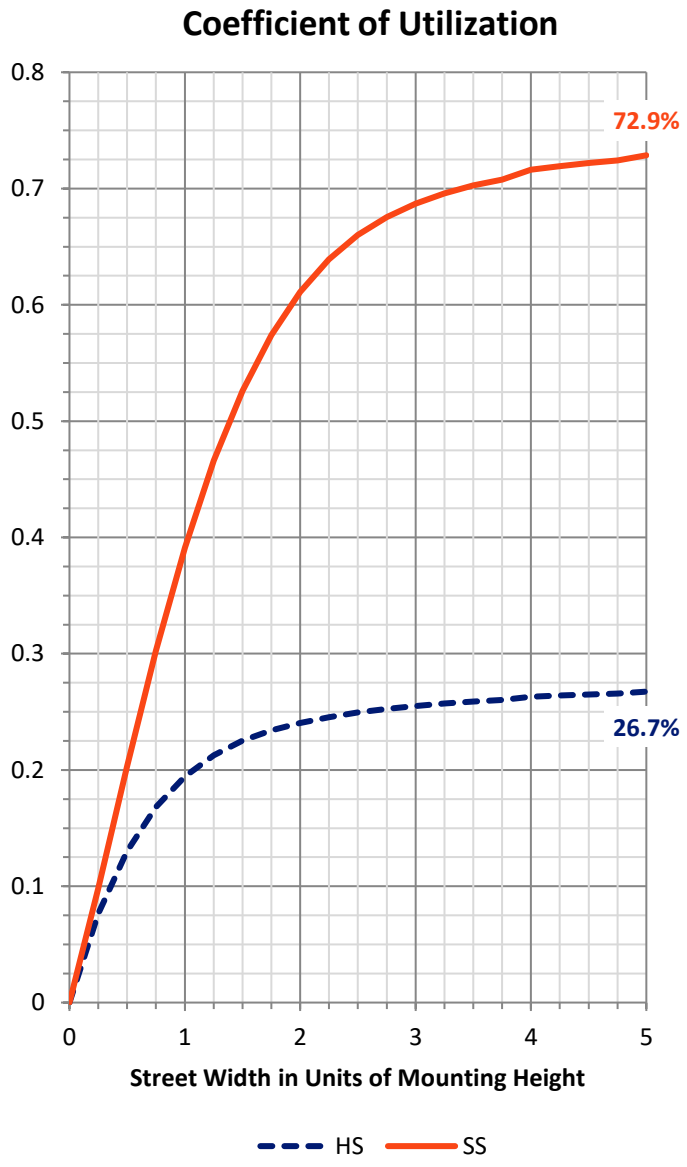
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3438.5	0.0	3438.5
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	9343.8	0.0	9343.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	12782.3	0.0	12782.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.2	1.6
10°-20°	623.6	4.9
20°-30°	1064.0	8.3
30°-40°	1551.8	12.1
40°-50°	2084.6	16.3
50°-60°	2551.9	20.0
60°-70°	2685.7	21.0
70°-80°	1753.4	13.7
80°-90°	263.0	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°	12782.3	100.0
0°-180°	12782.3	100.0



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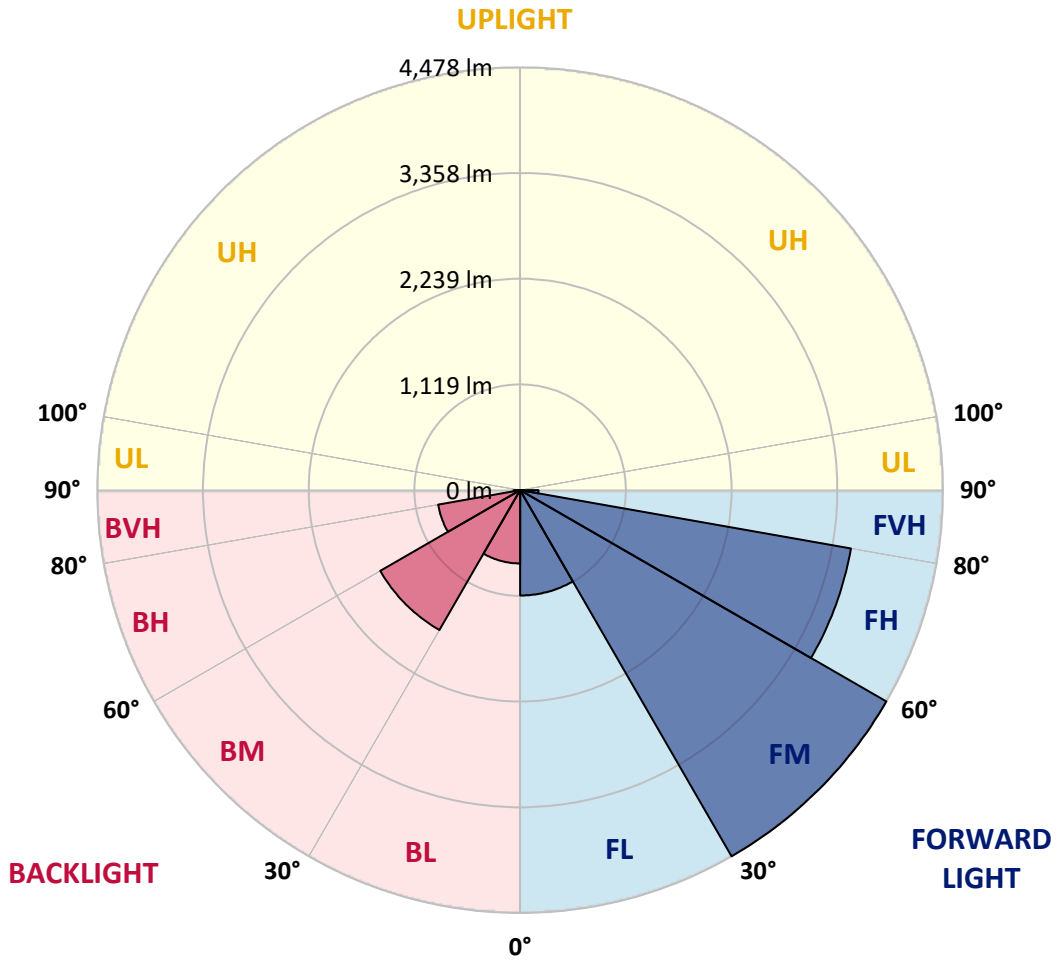
CATALOG NUMBER: MEM2-HSN-SA-100-730-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1115.5	8.7			
FM	(30°-60°)	4477.6	35.0			
FH	(60°-80°)	3556.7	27.8			G2/5000
FVH	(80°-90°)	194.1	1.5			G2/225
BL	(0°-30°)	776.3	6.1	B2/1000		
BM	(30°-60°)	1710.8	13.4	B2/2500		
BH	(60°-80°)	882.4	6.9	B2/1000		G2/1000
BVH	(80°-90°)	69.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8
2.5°	2232.0	2229.5	2221.7	2216.5	2201.0	2198.4	2198.4	2182.9	2164.8	2154.4	2144.1
5°	2332.9	2320.0	2314.8	2304.5	2278.6	2263.1	2268.2	2239.8	2203.6	2177.7	2149.3
7.5°	2423.4	2418.3	2400.2	2387.2	2356.2	2340.7	2335.5	2291.5	2245.0	2206.2	2159.6
10°	2532.1	2519.1	2508.8	2482.9	2441.5	2418.3	2410.5	2353.6	2294.1	2242.4	2180.3
12.5°	2630.3	2614.8	2601.9	2576.0	2534.6	2495.8	2485.5	2420.8	2345.8	2276.0	2198.4
15°	2705.3	2707.9	2695.0	2671.7	2625.2	2578.6	2570.9	2485.5	2395.0	2309.6	2216.5
17.5°	2775.2	2785.5	2777.8	2762.2	2715.7	2669.1	2661.4	2565.7	2457.1	2348.4	2237.2
20°	2842.4	2842.4	2839.8	2829.5	2795.9	2764.8	2749.3	2653.6	2516.5	2389.8	2265.7
22.5°	2881.2	2891.6	2891.6	2891.6	2870.9	2845.0	2839.8	2746.7	2596.7	2441.5	2291.5
25°	2940.7	2953.6	2953.6	2948.5	2930.4	2922.6	2914.8	2826.9	2674.3	2501.0	2320.0
27.5°	3067.4	3064.8	3044.2	3018.3	2992.4	2989.8	2979.5	2917.4	2764.8	2565.7	2358.8
30°	3243.3	3248.5	3222.6	3142.4	3083.0	3070.0	3072.6	3018.3	2870.9	2640.7	2402.7
32.5°	3512.3	3512.3	3411.4	3308.0	3222.6	3189.0	3181.2	3134.7	2979.5	2723.4	2451.9
35°	3714.0	3706.3	3649.4	3527.8	3421.8	3326.1	3313.1	3251.1	3101.1	2816.6	2506.2
37.5°	3866.6	3882.1	3838.2	3745.1	3641.6	3476.1	3450.2	3362.3	3212.3	2907.1	2560.5
40°	4161.5	4122.7	4016.6	3931.3	3807.1	3623.5	3600.2	3491.6	3326.1	3007.9	2627.8
42.5°	4376.1	4321.8	4200.3	4086.5	3931.3	3770.9	3750.2	3631.3	3458.0	3121.7	2697.6
45°	4683.9	4562.4	4394.2	4293.4	4073.5	3931.3	3905.4	3776.1	3595.1	3243.3	2785.5
47.5°	4981.4	4769.3	4590.8	4544.3	4228.7	4104.6	4083.9	3933.9	3742.5	3375.2	2870.9
50°	4942.6	4802.9	4743.4	4699.4	4363.2	4267.5	4246.8	4094.2	3892.5	3514.9	2956.2
52.5°	4844.3	4857.2	4859.8	4753.7	4489.9	4420.1	4399.4	4267.5	4047.7	3636.4	3039.0
55°	4947.7	4963.2	4960.7	4800.3	4637.4	4572.7	4559.8	4443.4	4197.7	3750.2	3098.5
57.5°	5105.5	5053.8	5046.0	4916.7	4795.1	4735.6	4720.1	4619.3	4324.4	3833.0	3145.0
60°	5133.9	5030.5	5064.1	4942.6	4914.1	4896.0	4890.8	4771.9	4443.4	3900.2	3163.1
62.5°	4815.8	4797.7	4929.6	4880.5	4976.2	5027.9	5030.5	4880.5	4508.0	3926.1	3145.0
65°	4272.7	4345.1	4629.6	4771.9	5069.3	5216.7	5211.5	4945.1	4500.3	3851.1	3033.8
67.5°	3618.3	3675.2	4076.1	4526.1	5048.6	5317.6	5315.0	4973.6	4365.8	3644.2	2782.9
70°	2744.1	2922.6	3491.6	4083.9	4769.3	5118.4	5162.4	4813.2	4058.0	3266.6	2402.7
72.5°	2087.2	2115.7	2803.6	3424.4	4270.1	4645.1	4637.4	4301.1	3543.3	2751.9	2001.9
75°	1482.0	1544.1	2110.5	2653.6	3499.4	3915.8	3897.7	3527.8	2826.9	2141.5	1531.1
77.5°	1104.4	1127.7	1544.1	1968.2	2617.4	2992.4	2984.7	2607.1	2079.4	1572.5	1140.6
80°	806.9	845.7	1112.1	1373.4	1774.3	2097.5	2087.2	1730.3	1334.6	1099.2	832.8
82.5°	452.6	481.1	646.6	830.2	936.3	1037.1	993.2	830.2	607.8	473.3	408.6
85°	12.9	15.5	23.3	28.5	49.1	82.8	90.5	80.2	95.7	59.5	64.7
87.5°	5.2	5.2	5.2	5.2	5.2	7.8	7.8	7.8	7.8	7.8	7.8
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: P868111
CATALOG NUMBER: MEM2-HSN-SA-100-730-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8
2.5°	2138.9	2128.6	2107.9	2095.0	2087.2	2076.9	2061.3	2051.0	2043.2	2053.6	2051.0
5°	2136.3	2115.7	2079.4	2053.6	2027.7	2007.0	1983.7	1965.6	1955.3	1960.5	1957.9
7.5°	2136.3	2110.5	2053.6	2012.2	1973.4	1942.4	1916.5	1893.2	1882.9	1885.5	1882.9
10°	2146.7	2110.5	2035.5	1976.0	1924.3	1888.1	1859.6	1838.9	1831.2	1838.9	1841.5
12.5°	2157.0	2110.5	2020.0	1945.0	1877.7	1838.9	1813.0	1800.1	1805.3	1807.9	1810.5
15°	2162.2	2107.9	2004.4	1908.7	1833.7	1792.4	1776.8	1774.3	1787.2	1800.1	1802.7
17.5°	2175.1	2105.3	1981.2	1872.5	1794.9	1761.3	1753.6	1763.9	1789.8	1807.9	1813.0
20°	2190.7	2110.5	1955.3	1828.6	1756.1	1730.3	1743.2	1766.5	1797.5	1823.4	1828.6
22.5°	2206.2	2113.1	1932.0	1789.8	1714.8	1709.6	1738.0	1771.7	1807.9	1833.7	1838.9
25°	2224.3	2113.1	1901.0	1740.6	1673.4	1681.1	1725.1	1769.1	1802.7	1836.3	1841.5
27.5°	2242.4	2118.2	1867.4	1686.3	1621.7	1644.9	1699.2	1753.6	1789.8	1823.4	1831.2
30°	2273.4	2128.6	1838.9	1639.8	1569.9	1601.0	1665.6	1727.7	1766.5	1802.7	1810.5
32.5°	2304.5	2144.1	1815.6	1590.6	1518.2	1554.4	1626.8	1696.7	1738.0	1771.7	1776.8
35°	2345.8	2164.8	1797.5	1541.5	1466.5	1494.9	1572.5	1650.1	1696.7	1722.5	1735.5
37.5°	2389.8	2193.2	1782.0	1497.5	1409.6	1435.4	1518.2	1601.0	1650.1	1676.0	1681.1
40°	2444.1	2232.0	1771.7	1456.1	1355.3	1375.9	1458.7	1549.2	1595.8	1613.9	1624.2
42.5°	2503.6	2273.4	1763.9	1414.7	1295.8	1316.5	1404.4	1492.3	1538.9	1554.4	1562.2
45°	2578.6	2327.7	1758.7	1370.8	1246.6	1264.7	1352.7	1440.6	1479.4	1500.1	1507.9
47.5°	2648.4	2382.0	1743.2	1319.0	1192.3	1218.2	1298.4	1375.9	1419.9	1432.8	1440.6
50°	2718.3	2428.6	1712.2	1262.1	1143.2	1166.5	1238.9	1295.8	1329.4	1344.9	1350.1
52.5°	2785.5	2462.2	1663.0	1202.7	1091.4	1107.0	1166.5	1220.8	1244.0	1249.2	1264.7
55°	2829.5	2480.3	1593.2	1132.8	1039.7	1044.9	1088.9	1138.0	1150.9	1153.5	1153.5
57.5°	2860.5	2470.0	1510.4	1063.0	988.0	988.0	1013.9	1052.7	1057.8	1060.4	1065.6
60°	2865.7	2433.8	1404.4	998.3	931.1	923.3	949.2	972.5	975.1	980.2	985.4
62.5°	2826.9	2353.6	1290.6	936.3	876.8	858.7	882.0	905.2	918.2	925.9	931.1
65°	2707.9	2190.7	1161.3	874.2	825.1	794.0	822.5	861.3	887.1	889.7	889.7
67.5°	*2459.6*	*1926.8*	*1024.2*	*809.5*	*763.0*	*734.5*	*770.7*	*812.1*	*843.2*	*856.1*	*853.5*
70°	2084.6	1634.6	897.5	742.3	700.9	682.8	721.6	768.2	794.0	804.4	809.5
72.5°	1678.6	1308.7	786.3	675.0	646.6	636.2	675.0	721.6	757.8	773.3	775.9
75°	1306.1	1029.4	693.1	605.2	581.9	584.5	625.9	672.5	711.3	719.0	695.7
77.5°	1013.9	819.9	605.2	522.4	509.5	527.6	569.0	618.1	641.4	649.2	633.7
80°	731.9	628.5	488.8	411.2	411.2	439.7	475.9	532.8	540.6	530.2	535.4
82.5°	346.6	305.2	240.5	199.2	186.2	206.9	219.8	237.9	258.6	263.8	250.9
85°	46.6	31.0	23.3	25.9	23.3	15.5	10.3	10.3	10.3	7.8	7.8
87.5°	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	2.6	2.6	2.6
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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2407-157-4

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-30-730-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-30-730-U-5WQ-2

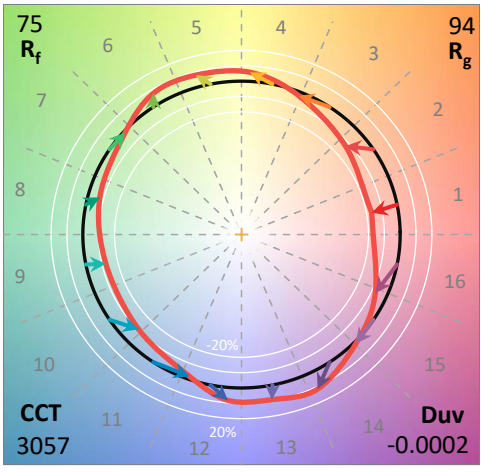
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-4
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-30-730-U-5WQ-2**
Description:	Epic Modern Light Square 30W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	3057	CRI (Ra):	71.7		
CIE u':	0.2487	R1:	68.1	R9:	-34.8
CIE v':	0.5199	R2:	82.0	R10:	58.5
Duv:	-0.0002	R3:	93.5	R11:	62.5
CIE x:	0.4326	R4:	67.5	R12:	47.5
CIE y:	0.4020	R5:	67.2	R13:	70.7
CIE z:	0.1654	R6:	74.9	R14:	96.4
Peak Wavelength (nm):	593	R7:	77.4	R15:	60.0
Dominant Wavelength (nm):	582	R8:	43.1		
Purity:	50.50735				
Rf:	74.6				
Rg:	94				



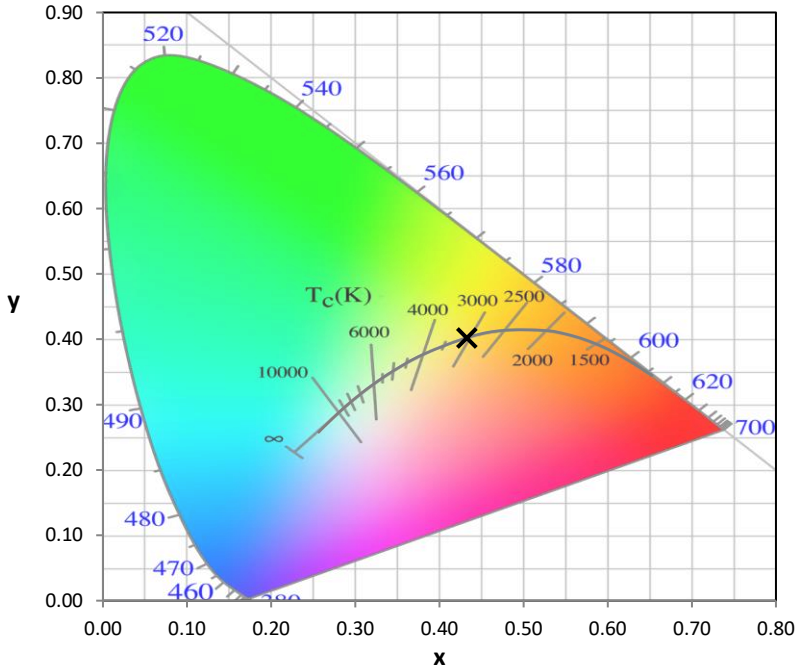
Test Conditions

Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.2

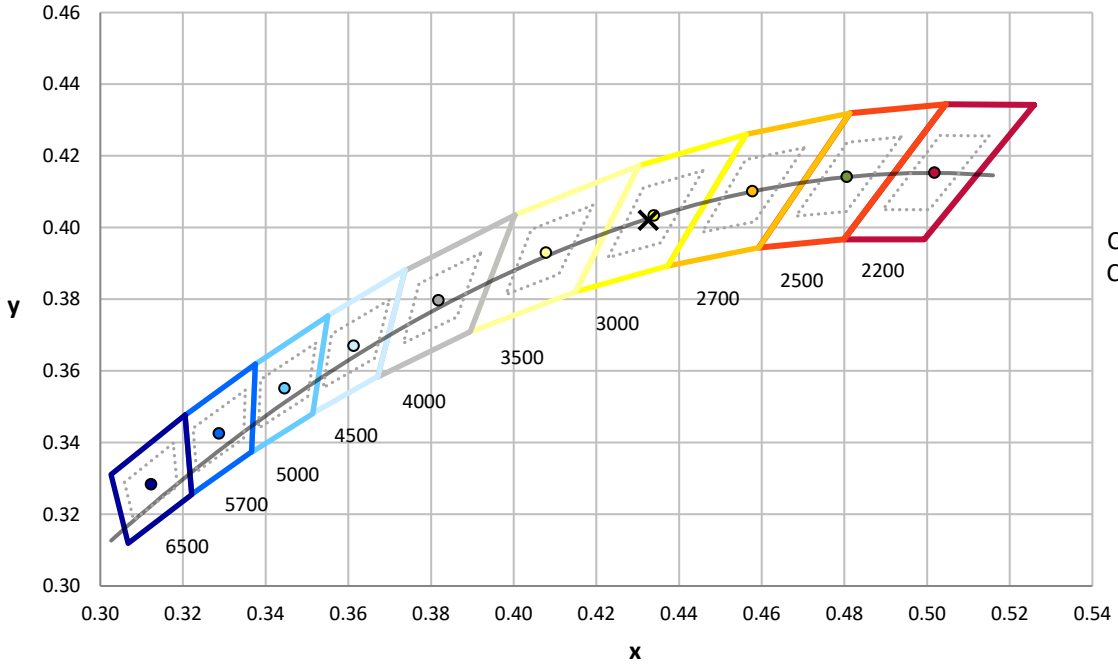
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-4

CIE 1931 Chromaticity Diagram



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

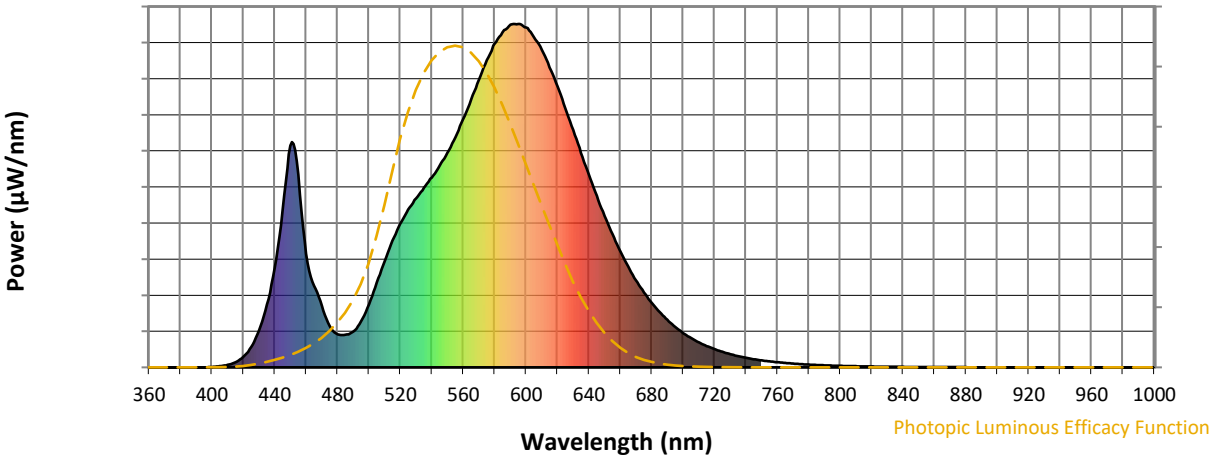


CCT = 3057K
CIE x = 0.4326
CIE y = 0.4020
Duv = -0.0002

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-4

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	104	NR	620	818	NR	750	20	NR	880	1	NR
365	0	NR	495	135	NR	625	755	NR	755	17	NR	885	0	NR
370	0	NR	500	184	NR	630	691	NR	760	15	NR	890	0	NR
375	0	NR	505	247	NR	635	625	NR	765	13	NR	895	0	NR
380	0	NR	510	309	NR	640	561	NR	770	11	NR	900	0	NR
385	0	NR	515	369	NR	645	499	NR	775	9	NR	905	0	NR
390	0	NR	520	419	NR	650	441	NR	780	8	NR	910	0	NR
395	0	NR	525	460	NR	655	388	NR	785	7	NR	915	0	NR
400	1	NR	530	492	NR	660	338	NR	790	6	NR	920	0	NR
405	3	NR	535	524	NR	665	294	NR	795	5	NR	925	0	NR
410	7	NR	540	553	NR	670	253	NR	800	4	NR	930	0	NR
415	15	NR	545	588	NR	675	218	NR	805	4	NR	935	0	NR
420	31	NR	550	625	NR	680	188	NR	810	3	NR	940	0	NR
425	60	NR	555	670	NR	685	161	NR	815	3	NR	945	0	NR
430	107	NR	560	723	NR	690	139	NR	820	3	NR	950	0	NR
435	183	NR	565	780	NR	695	118	NR	825	2	NR	955	0	NR
440	289	NR	570	837	NR	700	100	NR	830	2	NR	960	0	NR
445	460	NR	575	894	NR	705	85	NR	835	2	NR	965	0	NR
450	646	NR	580	942	NR	710	73	NR	840	1	NR	970	0	NR
455	561	NR	585	976	NR	715	62	NR	845	1	NR	975	0	NR
460	331	NR	590	998	NR	720	53	NR	850	1	NR	980	0	NR
465	238	NR	595	1000	NR	725	45	NR	855	1	NR	985	0	NR
470	178	NR	600	990	NR	730	39	NR	860	1	NR	990	0	NR
475	120	NR	605	962	NR	735	33	NR	865	1	NR	995	0	NR
480	96	NR	610	925	NR	740	28	NR	870	1	NR	1000	0	NR
485	95	NR	615	873	NR	745	24	NR	875	1	NR			

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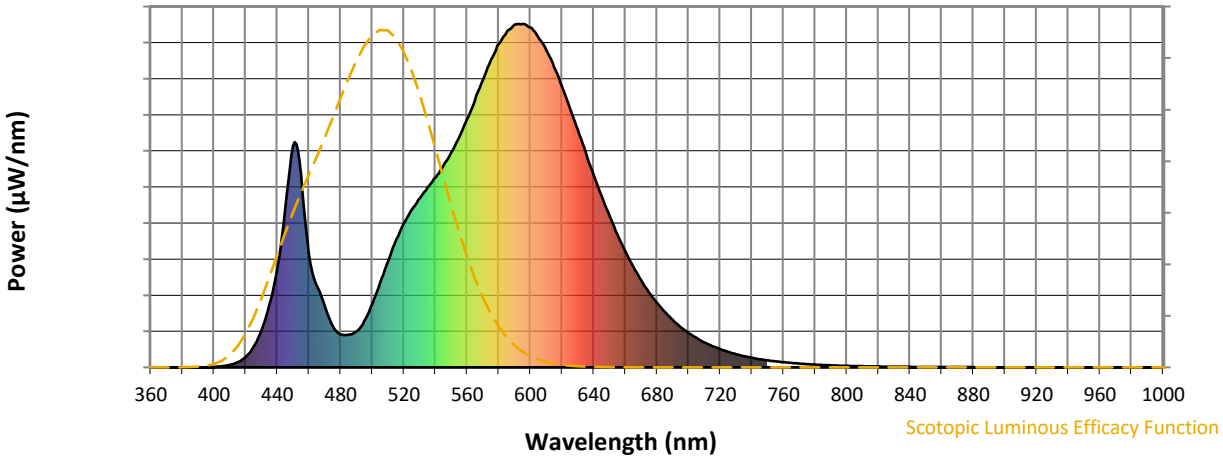
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.23**

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	104	NR	620	818	NR	750	20	NR	880	1	NR
365	0	NR	495	135	NR	625	755	NR	755	17	NR	885	0	NR
370	0	NR	500	184	NR	630	691	NR	760	15	NR	890	0	NR
375	0	NR	505	247	NR	635	625	NR	765	13	NR	895	0	NR
380	0	NR	510	309	NR	640	561	NR	770	11	NR	900	0	NR
385	0	NR	515	369	NR	645	499	NR	775	9	NR	905	0	NR
390	0	NR	520	419	NR	650	441	NR	780	8	NR	910	0	NR
395	0	NR	525	460	NR	655	388	NR	785	7	NR	915	0	NR
400	1	NR	530	492	NR	660	338	NR	790	6	NR	920	0	NR
405	3	NR	535	524	NR	665	294	NR	795	5	NR	925	0	NR
410	7	NR	540	553	NR	670	253	NR	800	4	NR	930	0	NR
415	15	NR	545	588	NR	675	218	NR	805	4	NR	935	0	NR
420	31	NR	550	625	NR	680	188	NR	810	3	NR	940	0	NR
425	60	NR	555	670	NR	685	161	NR	815	3	NR	945	0	NR
430	107	NR	560	723	NR	690	139	NR	820	3	NR	950	0	NR
435	183	NR	565	780	NR	695	118	NR	825	2	NR	955	0	NR
440	289	NR	570	837	NR	700	100	NR	830	2	NR	960	0	NR
445	460	NR	575	894	NR	705	85	NR	835	2	NR	965	0	NR
450	646	NR	580	942	NR	710	73	NR	840	1	NR	970	0	NR
455	561	NR	585	976	NR	715	62	NR	845	1	NR	975	0	NR
460	331	NR	590	998	NR	720	53	NR	850	1	NR	980	0	NR
465	238	NR	595	1000	NR	725	45	NR	855	1	NR	985	0	NR
470	178	NR	600	990	NR	730	39	NR	860	1	NR	990	0	NR
475	120	NR	605	962	NR	735	33	NR	865	1	NR	995	0	NR
480	96	NR	610	925	NR	740	28	NR	870	1	NR	1000	0	NR
485	95	NR	615	873	NR	745	24	NR	875	1	NR			

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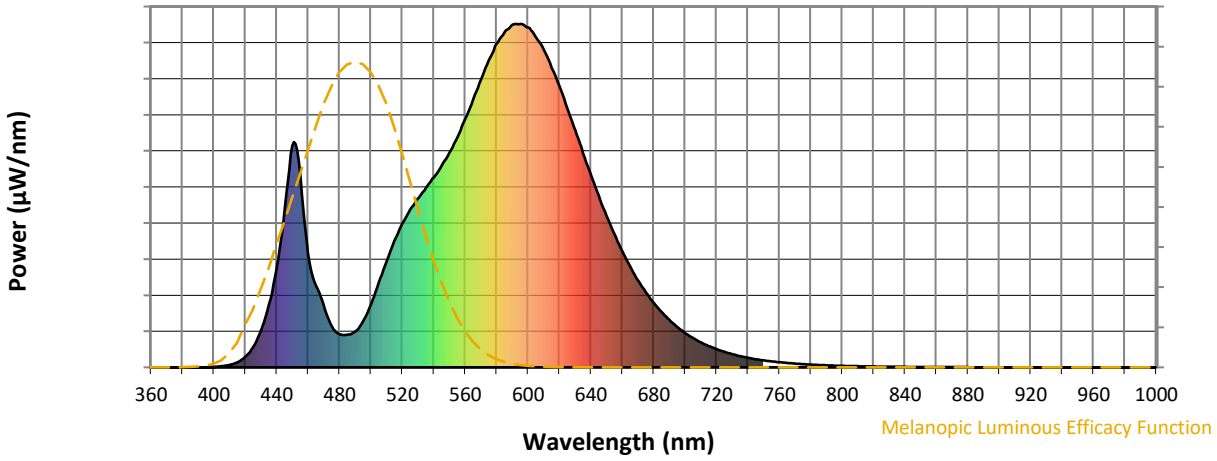
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.27**

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	104	NR	620	818	NR	750	20	NR	880	1	NR
365	0	NR	495	135	NR	625	755	NR	755	17	NR	885	0	NR
370	0	NR	500	184	NR	630	691	NR	760	15	NR	890	0	NR
375	0	NR	505	247	NR	635	625	NR	765	13	NR	895	0	NR
380	0	NR	510	309	NR	640	561	NR	770	11	NR	900	0	NR
385	0	NR	515	369	NR	645	499	NR	775	9	NR	905	0	NR
390	0	NR	520	419	NR	650	441	NR	780	8	NR	910	0	NR
395	0	NR	525	460	NR	655	388	NR	785	7	NR	915	0	NR
400	1	NR	530	492	NR	660	338	NR	790	6	NR	920	0	NR
405	3	NR	535	524	NR	665	294	NR	795	5	NR	925	0	NR
410	7	NR	540	553	NR	670	253	NR	800	4	NR	930	0	NR
415	15	NR	545	588	NR	675	218	NR	805	4	NR	935	0	NR
420	31	NR	550	625	NR	680	188	NR	810	3	NR	940	0	NR
425	60	NR	555	670	NR	685	161	NR	815	3	NR	945	0	NR
430	107	NR	560	723	NR	690	139	NR	820	3	NR	950	0	NR
435	183	NR	565	780	NR	695	118	NR	825	2	NR	955	0	NR
440	289	NR	570	837	NR	700	100	NR	830	2	NR	960	0	NR
445	460	NR	575	894	NR	705	85	NR	835	2	NR	965	0	NR
450	646	NR	580	942	NR	710	73	NR	840	1	NR	970	0	NR
455	561	NR	585	976	NR	715	62	NR	845	1	NR	975	0	NR
460	331	NR	590	998	NR	720	53	NR	850	1	NR	980	0	NR
465	238	NR	595	1000	NR	725	45	NR	855	1	NR	985	0	NR
470	178	NR	600	990	NR	730	39	NR	860	1	NR	990	0	NR
475	120	NR	605	962	NR	735	33	NR	865	1	NR	995	0	NR
480	96	NR	610	925	NR	740	28	NR	870	1	NR	1000	0	NR
485	95	NR	615	873	NR	745	24	NR	875	1	NR			

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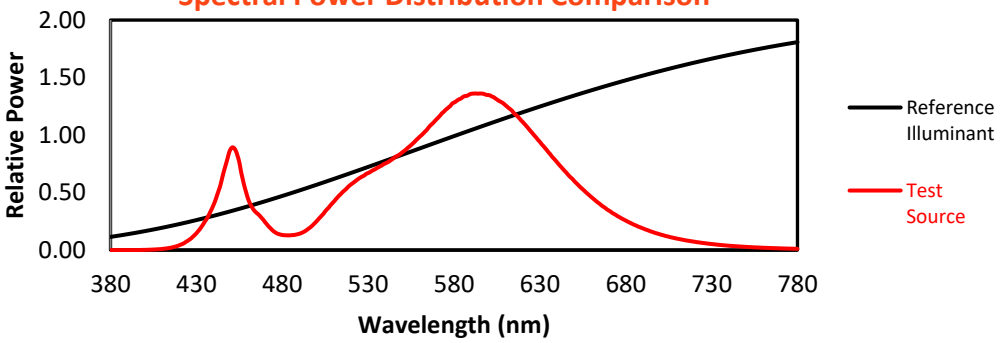
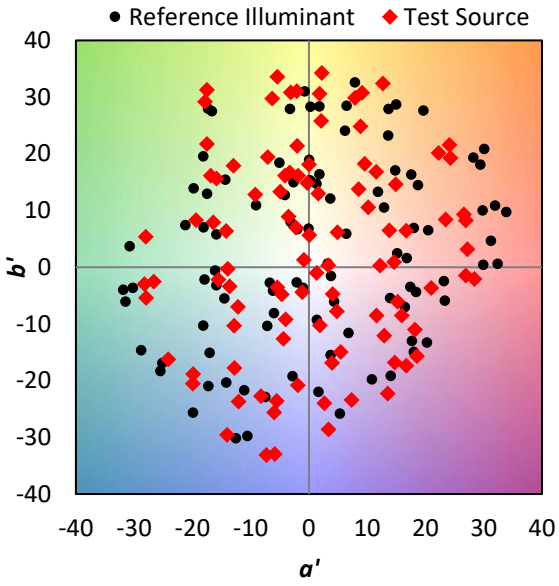
Summary

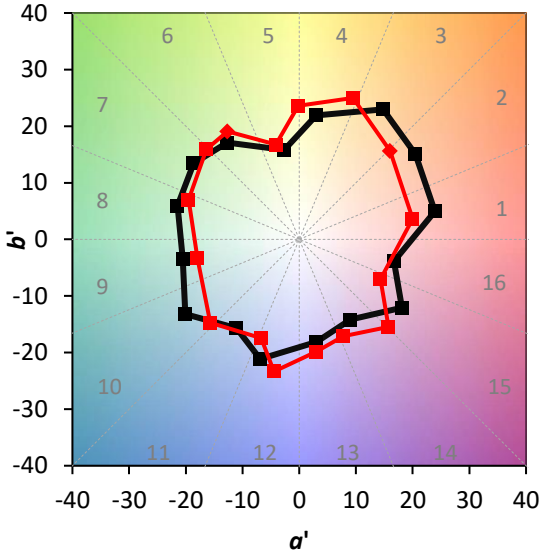
R_f = 74.6
R_g = 94
CIE R_a = 71.7
R_9 = -34.8

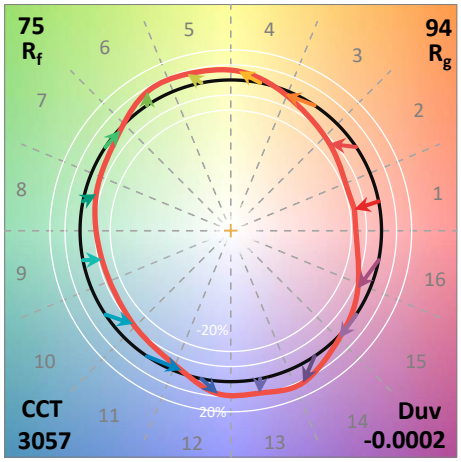
Spectral Power Distribution Comparison

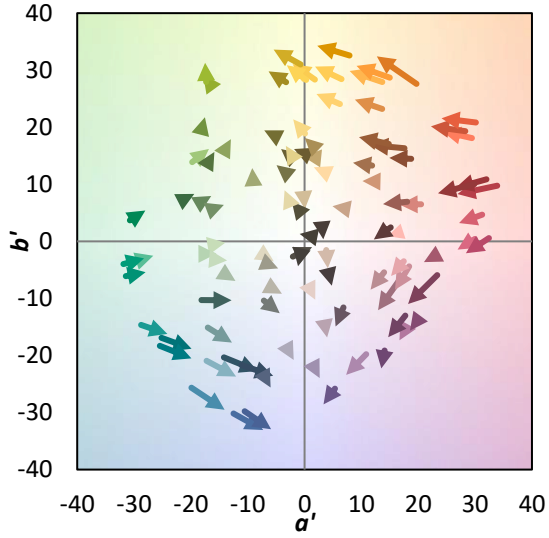


Color Vector Graphics









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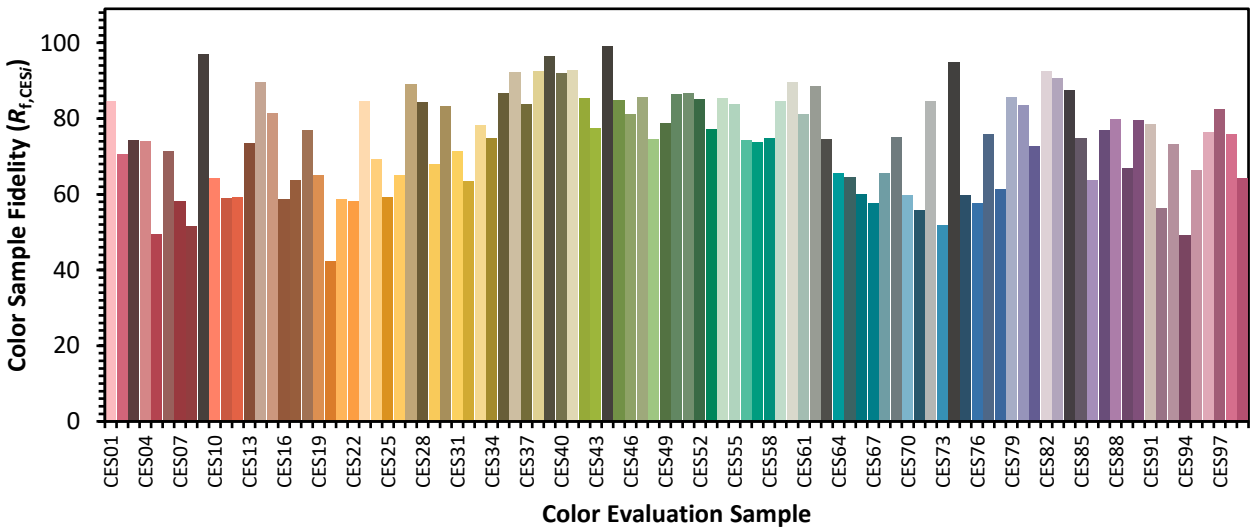
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 65	CES51 = 87	CES76 = 58
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 76
CES03 = 31	CES28 = 84	CES53 = 77	CES78 = 61
CES04 = 71	CES29 = 68	CES54 = 85	CES79 = 86
CES05 = 49	CES30 = 83	CES55 = 84	CES80 = 83
CES06 = 51	CES31 = 71	CES56 = 74	CES81 = 73
CES07 = 41	CES32 = 64	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 78	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 75	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 64
CES12 = 65	CES37 = 84	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 65	CES89 = 67
CES15 = 71	CES40 = 92	CES65 = 64	CES90 = 80
CES16 = 47	CES41 = 93	CES66 = 60	CES91 = 78
CES17 = 50	CES42 = 86	CES67 = 58	CES92 = 56
CES18 = 56	CES43 = 77	CES68 = 66	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 75	CES94 = 49
CES20 = 66	CES45 = 85	CES70 = 60	CES95 = 66
CES21 = 87	CES46 = 81	CES71 = 56	CES96 = 76
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 75	CES73 = 52	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 60	



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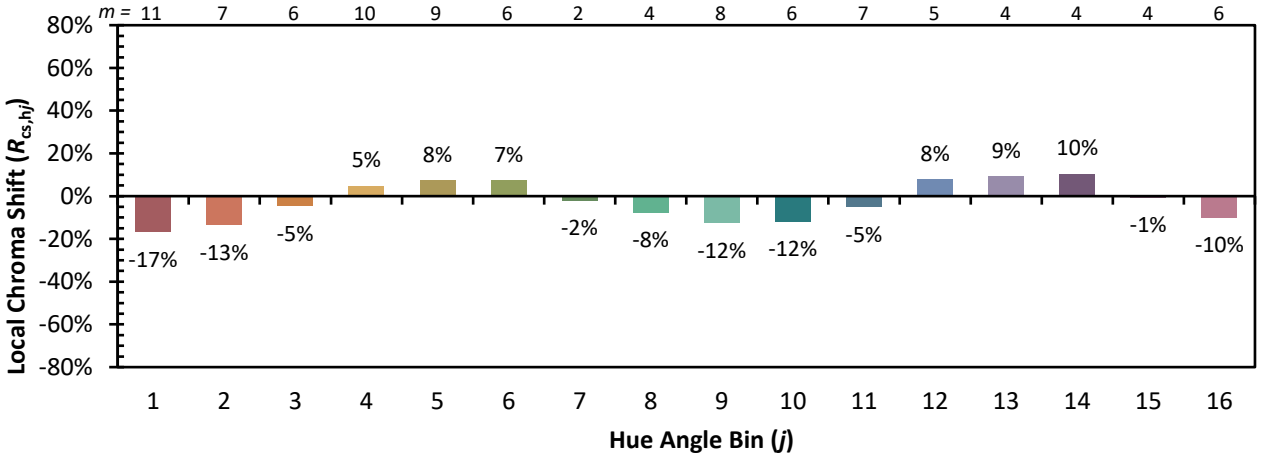
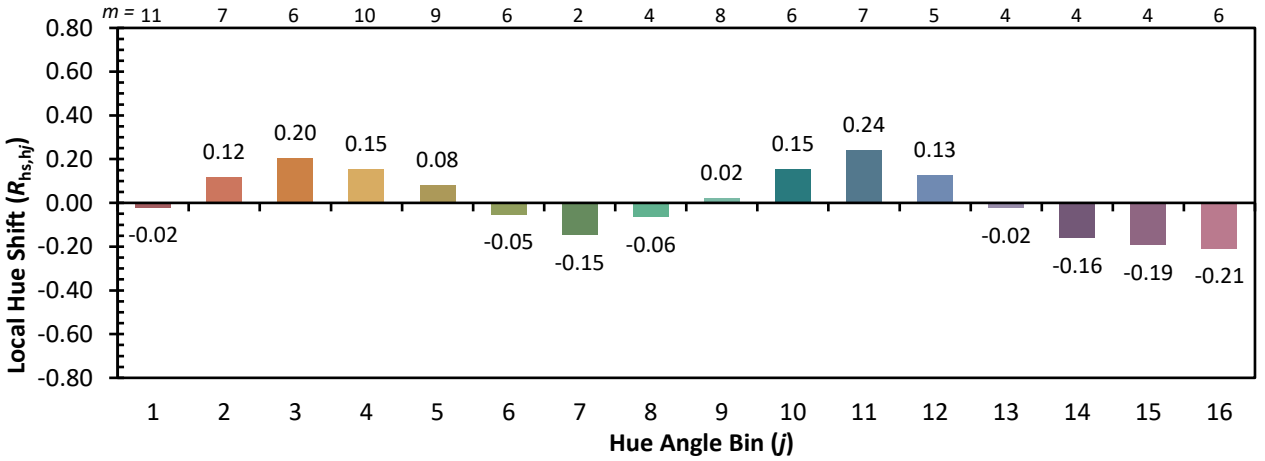
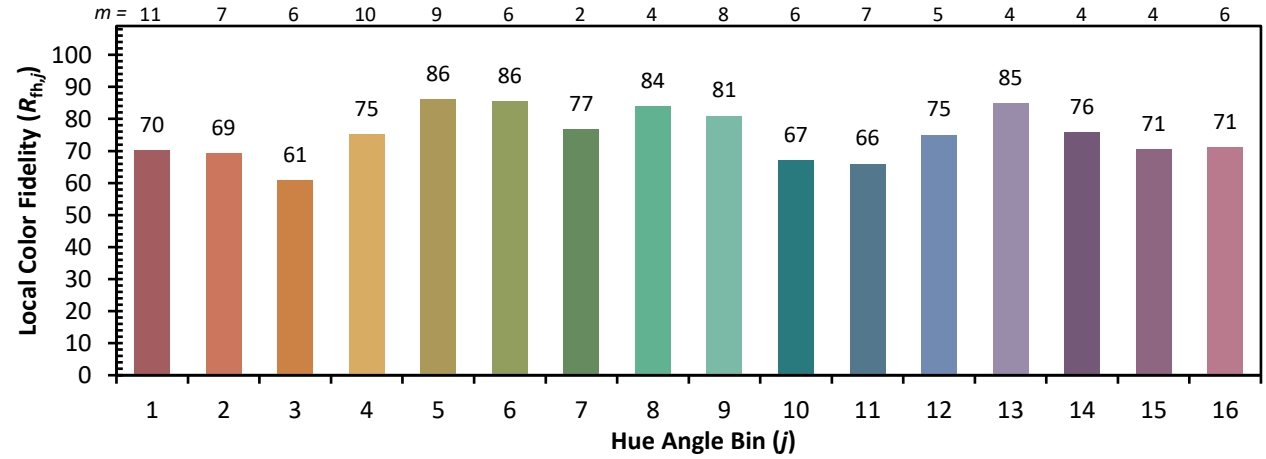
Color Rendition by Hue-Angle Bin







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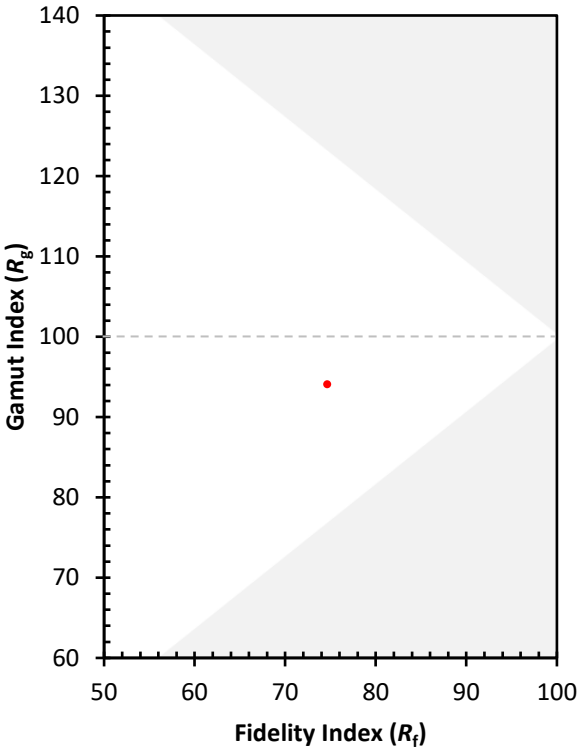
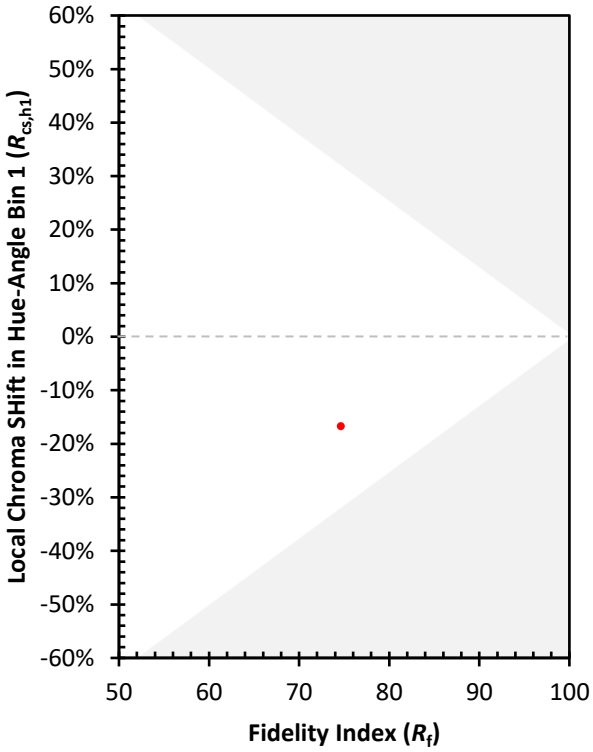
Measure Comparisons





(END OF REPORT)