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: P867883

Luminaire Tested: **MEM2-HSN-SA-30-722-U-T2R**

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:	P867883
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/21/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HSN-SA-30-722-U-T2R
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 30W 70CRI 2200K FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC
Light Source:	(10) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4286.9 lumens
Efficiency:	N/A
Efficacy:	130.7 lumens/watt
Luminous Opening:	Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G1

Input Watts (W):	32.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.76%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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REPORT NUMBER: P867883
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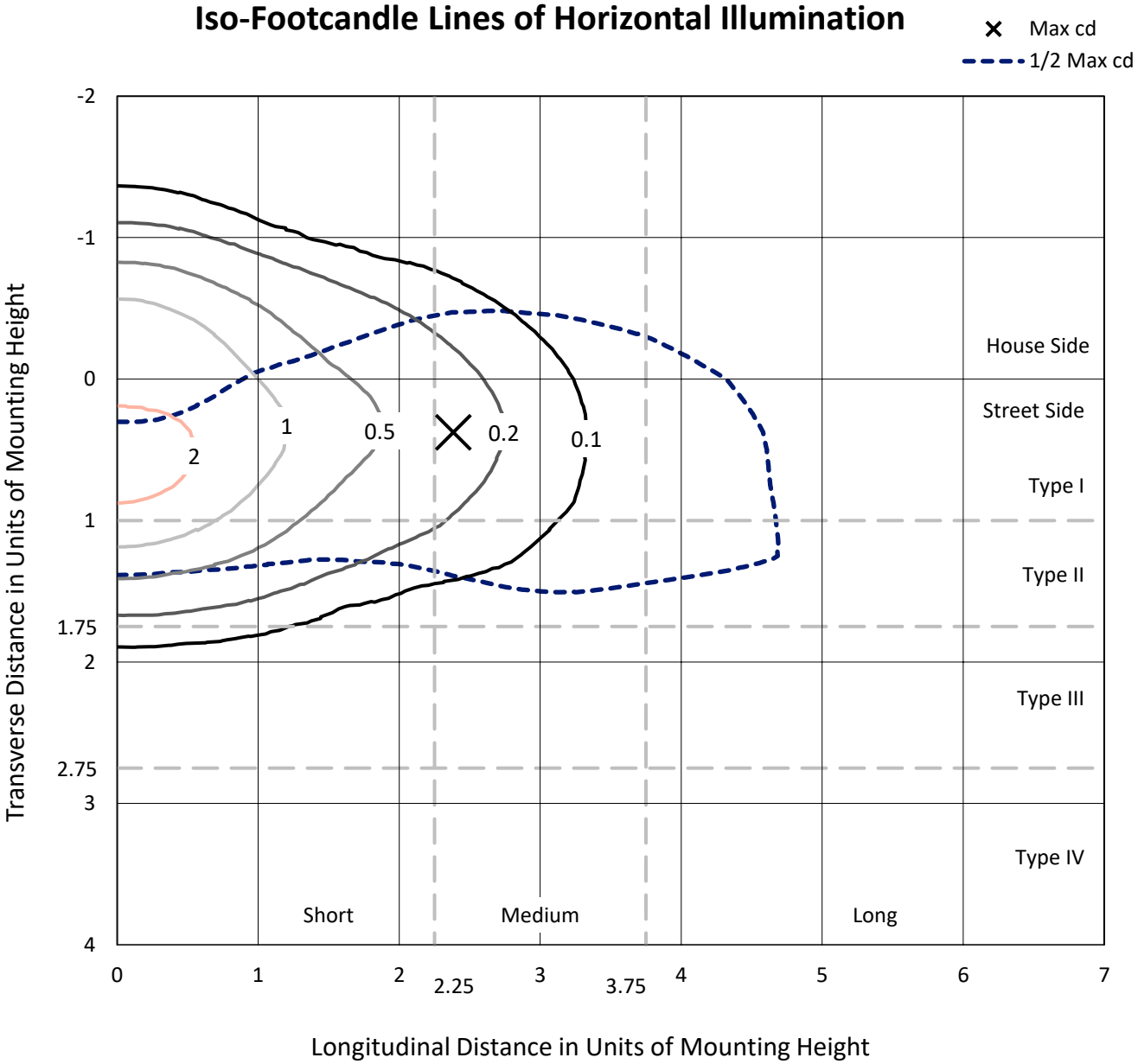
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 2.7 fc
Type II - Medium - N/A

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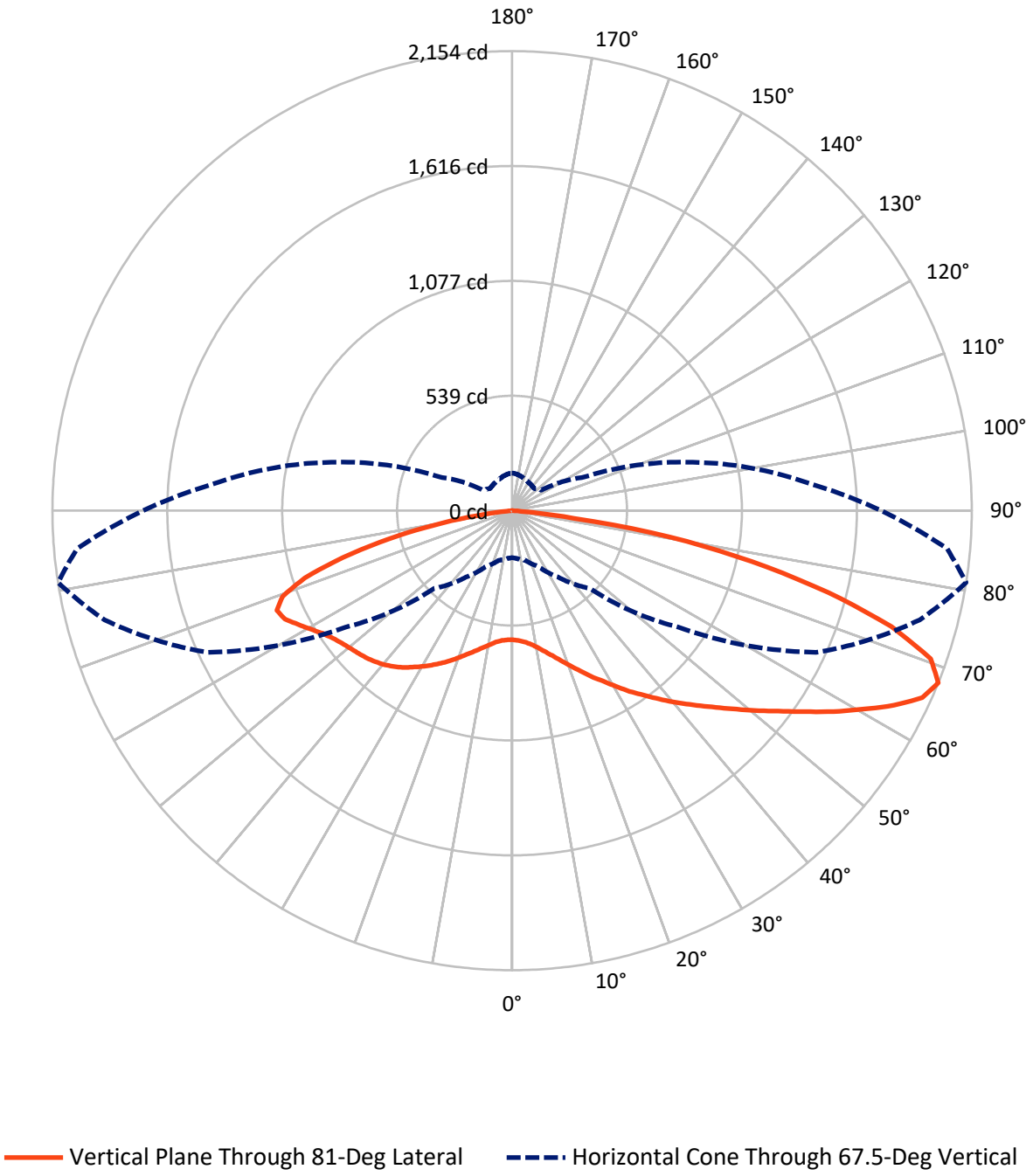
Luminous Intensity Polar Plot



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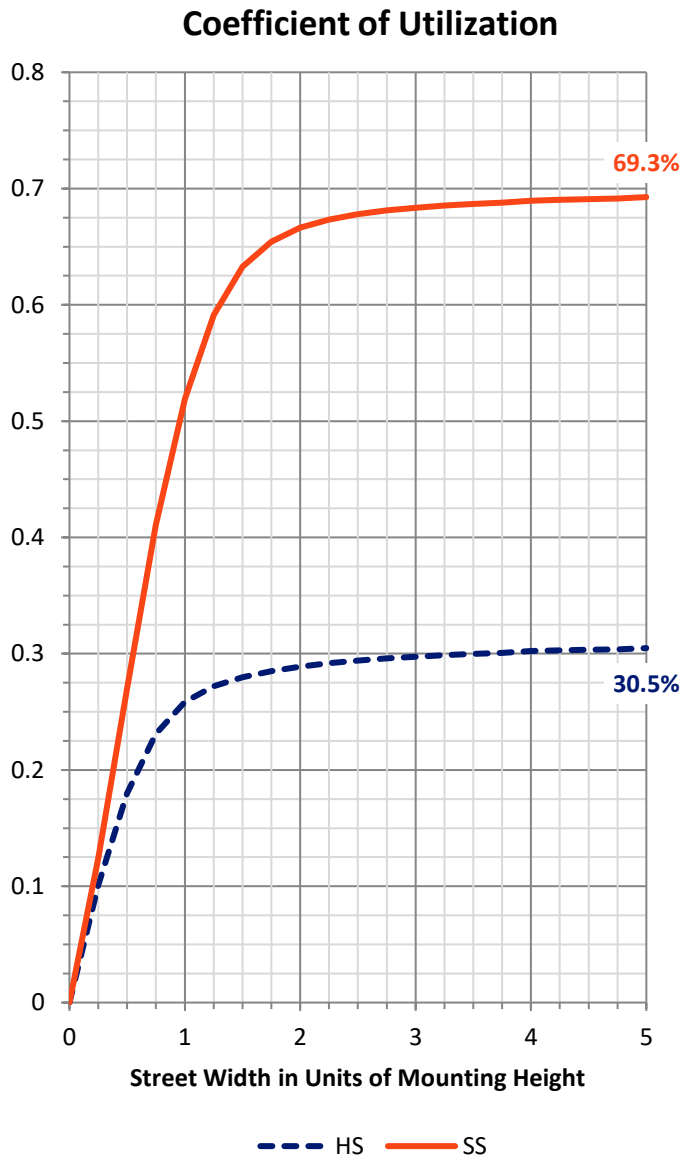
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1313.6	0.0	1313.6
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	2973.3	0.0	2973.3
	% Fixture	69.4	0.0	69.4
Total	Lumens	4286.9	0.0	4286.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	1.4
10°-20°	219.1	5.1
20°-30°	436.3	10.2
30°-40°	685.5	16.0
40°-50°	850.2	19.8
50°-60°	831.1	19.4
60°-70°	698.9	16.3
70°-80°	444.1	10.4
80°-90°	60.0	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°	4286.9	100.0
0°-180°	4286.9	100.0



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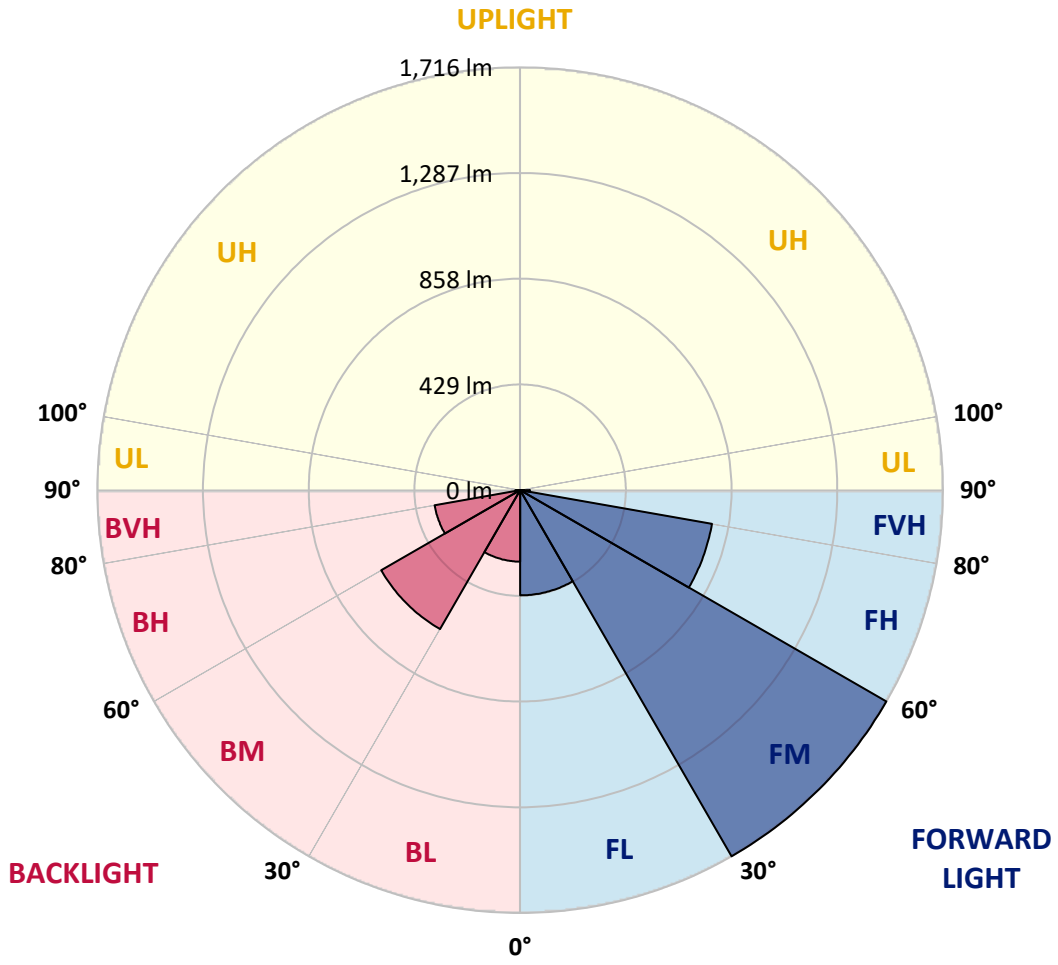
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	427.0	10.0			
FM	(30°-60°)	1715.7	40.0			
FH	(60°-80°)	790.4	18.4			G1/1800
FVH	(80°-90°)	40.2	0.9			G1/100
BL	(0°-30°)	290.1	6.8	B1/500		
BM	(30°-60°)	651.1	15.2	B1/1000		
BH	(60°-80°)	352.6	8.2	B1/500		G1/500
BVH	(80°-90°)	19.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	605.2	605.2	605.2	605.2	605.2	605.2	605.2	605.2	605.2	*605.2*	605.2
2.5°	626.5	625.6	625.6	618.8	618.8	617.1	618.0	612.9	610.3	*609.5*	608.6
5°	671.5	671.5	666.4	662.2	653.7	646.0	639.2	629.0	621.4	*618.0*	615.4
7.5°	739.5	734.4	732.7	720.0	702.1	686.8	673.2	651.1	636.7	*631.6*	628.2
10°	822.8	816.0	803.3	788.8	765.9	742.9	715.7	686.0	662.2	*652.0*	647.7
12.5°	908.7	899.3	881.5	867.9	838.1	803.3	765.0	724.2	691.1	*676.6*	669.0
15°	1003.0	997.9	976.7	949.5	914.6	865.3	817.7	767.6	725.1	*704.7*	691.9
17.5°	1105.0	1097.4	1074.4	1041.3	992.0	933.3	878.1	813.5	764.2	*737.8*	723.4
20°	1205.4	1203.7	1169.6	1138.2	1080.4	1007.3	935.9	867.9	805.8	*775.2*	756.5
22.5°	1317.6	1306.5	1276.8	1232.6	1163.7	1096.5	1012.4	924.0	850.9	*815.2*	793.9
25°	1434.0	1433.2	1396.6	1342.2	1261.5	1176.5	1085.5	987.7	904.4	*861.1*	833.0
27.5°	1578.5	1567.5	1520.7	1458.7	1365.2	1267.4	1162.0	1054.0	955.4	*903.6*	869.6
30°	1705.2	1701.8	1649.1	1579.4	1474.8	1358.4	1244.5	1128.8	1015.8	*954.6*	917.2
32.5°	1808.0	1803.8	1758.7	1689.0	1576.8	1456.1	1325.2	1199.4	1076.1	*1009.8*	960.5
35°	1893.9	1887.1	1840.3	1770.6	1673.7	1551.3	1411.9	1273.4	1142.4	*1061.7*	1014.9
37.5°	1927.9	1921.9	1883.7	1825.9	1736.6	1624.4	1490.1	1355.0	1208.8	*1120.3*	1067.6
40°	1915.1	1911.7	1884.5	1844.6	1776.6	1683.1	1564.9	1440.0	1283.6	*1182.4*	1119.5
42.5°	1854.8	1854.8	1837.8	1817.4	1783.4	1716.2	1631.2	1521.6	1355.8	*1244.5*	1168.8
45°	1769.8	1766.4	1760.4	1752.8	1747.7	1722.2	1674.6	1592.1	1435.7	*1312.5*	1228.3
47.5°	1656.7	1659.3	1655.0	1658.4	1679.7	1695.8	1693.3	1657.6	1517.3	*1387.3*	1287.0
50°	1479.1	1491.0	1504.6	1544.5	1587.9	1632.9	1674.6	1704.3	1613.4	*1472.3*	1355.0
52.5°	1258.9	1264.0	1300.6	1394.9	1487.6	1547.1	1626.1	1725.6	1698.4	*1560.7*	1434.9
55°	987.7	997.1	1052.3	1185.8	1350.7	1464.6	1557.3	1716.2	1785.1	*1661.8*	1528.4
57.5°	708.1	714.0	802.4	940.1	1155.2	1346.5	1479.1	1678.8	1854.8	*1776.6*	1624.4
60°	503.2	514.3	571.2	705.5	912.1	1183.3	1407.7	1624.4	1919.4	*1888.8*	1750.2
62.5°	371.5	377.4	417.4	515.1	685.1	960.5	1315.0	1584.5	1961.9	*2009.5*	1876.0
65°	279.7	282.2	309.4	376.6	512.6	708.1	1168.8	1576.8	1985.7	*2112.3*	1987.4
67.5°	*220.2*	*224.4*	*241.4*	*287.3*	*381.7*	*515.1*	*952.0*	*1571.7*	*1977.2*	*2154.0*	*2046.0*
70°	185.3	186.2	198.9	224.4	285.6	370.6	711.5	1495.2	1929.6	*2080.9*	1991.6
72.5°	160.7	160.7	166.6	187.0	229.5	280.5	484.5	1312.5	1808.9	*1859.0*	1802.9
75°	130.1	129.2	139.4	159.0	184.5	215.9	325.6	993.7	1555.6	*1530.1*	1484.2
77.5°	113.1	112.2	120.7	137.7	152.2	172.6	222.7	645.2	1224.1	*1147.5*	1118.6
80°	96.9	94.4	101.2	117.3	125.0	134.3	153.9	375.7	799.9	*752.3*	717.4
82.5°	73.1	67.2	65.5	79.1	84.2	78.2	78.2	131.8	290.7	*293.3*	271.2
85°	6.0	6.8	8.5	10.2	14.5	16.2	17.0	28.1	43.4	*41.7*	42.5
87.5°	0.9	0.9	0.9	1.7	1.7	2.6	2.6	2.6	3.4	*3.4*	3.4
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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CATALOG NUMBER: MEM2-HSN-SA-30-722-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	605.2	605.2	605.2	605.2	605.2	605.2	605.2	605.2	605.2	605.2	605.2
2.5°	607.8	606.1	604.4	604.4	604.4	602.7	601.8	601.8	601.0	598.4	597.6
5°	613.7	611.2	608.6	608.6	608.6	607.8	606.9	607.8	606.9	604.4	603.5
7.5°	625.6	622.2	618.8	618.8	620.5	619.7	619.7	620.5	619.7	617.1	616.3
10°	642.6	637.5	635.8	635.8	637.5	636.7	635.8	635.8	635.0	630.7	632.4
12.5°	661.3	656.2	654.5	655.4	654.5	652.8	653.7	651.1	650.3	643.5	642.6
15°	685.1	679.2	675.8	676.6	674.1	670.7	667.3	665.6	662.2	656.2	654.5
17.5°	712.3	703.0	698.7	698.7	693.6	686.8	681.7	676.6	671.5	664.7	663.0
20°	738.7	730.2	723.4	721.7	711.5	700.4	691.1	682.6	676.6	669.0	667.3
22.5°	771.8	759.9	750.6	742.9	727.6	709.8	695.3	683.4	674.9	666.4	663.9
25°	806.7	789.7	774.4	759.9	738.7	713.2	692.8	675.8	664.7	655.4	653.7
27.5°	841.5	819.4	797.3	774.4	742.1	708.9	680.0	659.6	645.2	633.3	631.6
30°	878.9	851.7	816.9	783.7	741.2	697.9	661.3	632.4	615.4	601.8	600.1
32.5°	917.2	883.2	835.6	790.5	737.0	681.7	634.1	603.5	582.3	567.0	562.7
35°	959.7	918.0	852.6	793.1	725.1	657.9	605.2	567.0	542.3	527.0	523.6
37.5°	1003.0	950.3	863.6	791.4	708.1	629.9	567.8	528.7	499.8	478.6	475.2
40°	1047.2	980.1	870.4	782.9	684.3	595.0	533.0	485.4	443.7	424.2	414.8
42.5°	1088.0	1007.3	873.8	771.0	657.9	558.5	487.1	425.0	385.9	364.7	368.9
45°	1130.5	1032.8	874.7	756.5	623.1	511.7	429.3	371.5	332.4	316.2	314.5
47.5°	1167.1	1054.0	873.0	736.1	584.0	458.2	368.9	313.7	284.8	269.5	267.8
50°	1215.6	1077.8	870.4	712.3	533.0	397.0	312.8	267.8	241.4	229.5	228.7
52.5°	1264.0	1104.2	868.7	679.2	479.4	339.2	261.8	226.1	208.3	202.3	200.6
55°	1327.8	1136.5	869.6	640.9	418.2	279.7	221.9	197.2	187.9	185.3	185.3
57.5°	1400.9	1178.2	874.7	598.4	354.5	231.2	193.0	181.9	181.1	182.8	183.6
60°	1489.3	1233.4	884.9	554.2	295.8	195.5	176.0	175.1	177.7	183.6	185.3
62.5°	1588.7	1293.8	897.6	496.4	239.7	171.7	166.6	170.0	173.4	180.2	181.1
65°	1676.3	1361.8	905.3	441.2	200.6	158.1	160.7	162.4	170.9	180.2	180.2
67.5°	*1729.0*	*1411.1*	*876.4*	*371.5*	*167.5*	*146.2*	*151.3*	*156.4*	*165.8*	*174.3*	*176.0*
70°	1711.1	1394.9	777.8	288.2	142.0	135.2	141.1	148.8	158.1	168.3	173.4
72.5°	1587.0	1280.2	631.6	210.0	123.3	125.0	132.6	142.8	151.3	162.4	169.2
75°	1326.9	1068.5	455.6	151.3	108.0	114.8	126.7	135.2	141.1	143.7	144.5
77.5°	1007.3	785.4	310.3	113.1	93.5	102.9	115.6	125.0	126.7	128.4	130.1
80°	657.9	499.8	175.1	79.1	71.4	84.2	94.4	104.6	101.2	106.3	108.0
82.5°	278.0	218.5	79.9	39.1	33.2	35.7	38.3	34.0	31.5	31.5	27.2
85°	36.6	28.1	11.9	5.1	4.3	2.6	2.6	2.6	1.7	1.7	1.7
87.5°	3.4	3.4	2.6	2.6	1.7	1.7	0.9	1.7	0.9	0.9	0.9
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-30-722-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-30-722-U-5WQ-2

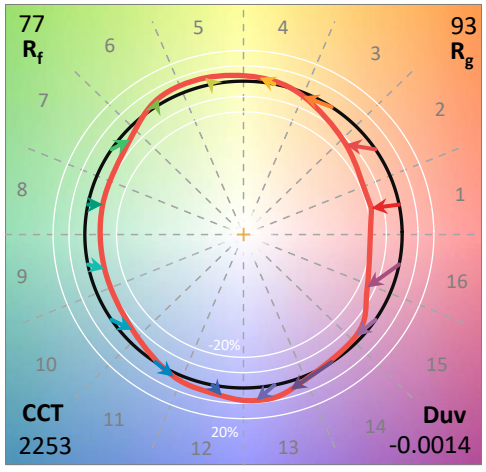
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

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-30-722-U-5WQ-2**
Description:	Epic Modern Light Square 30W 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

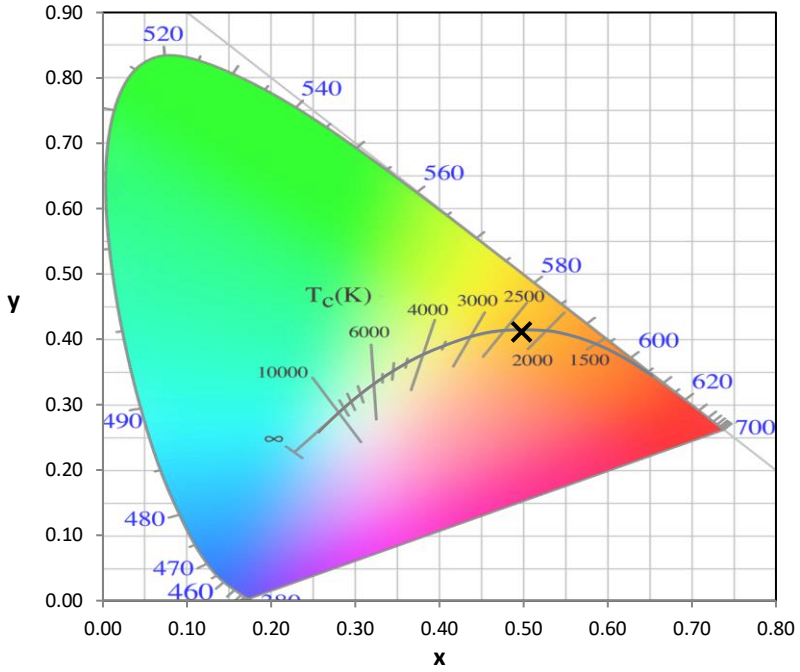
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	24.1

REPORT NUMBER: SP1-2407-157-2

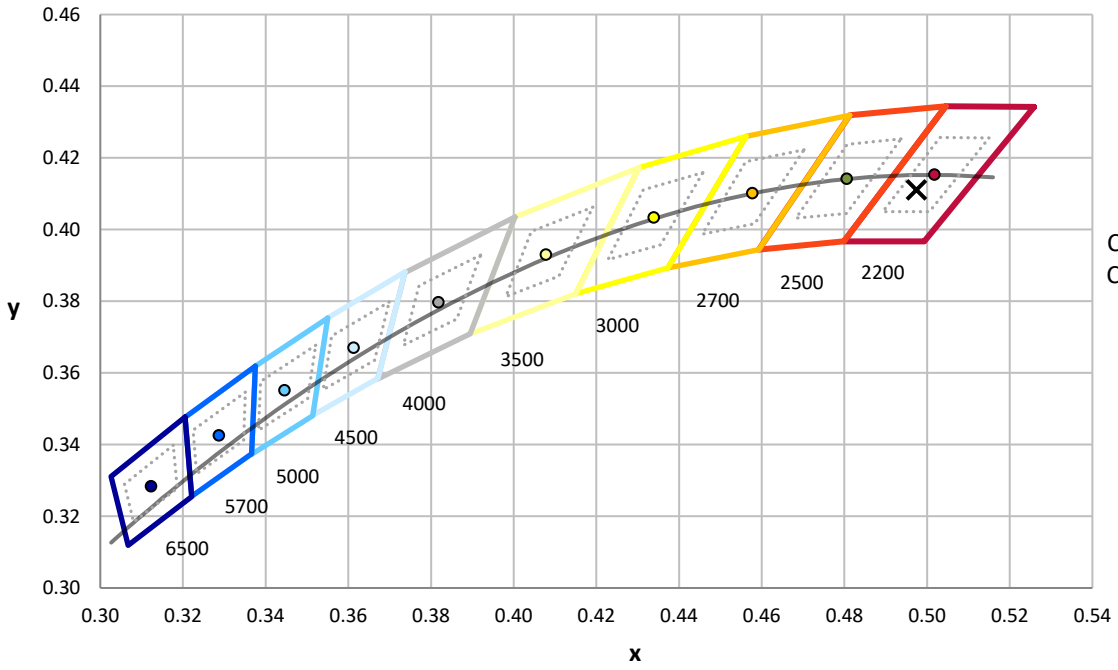
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

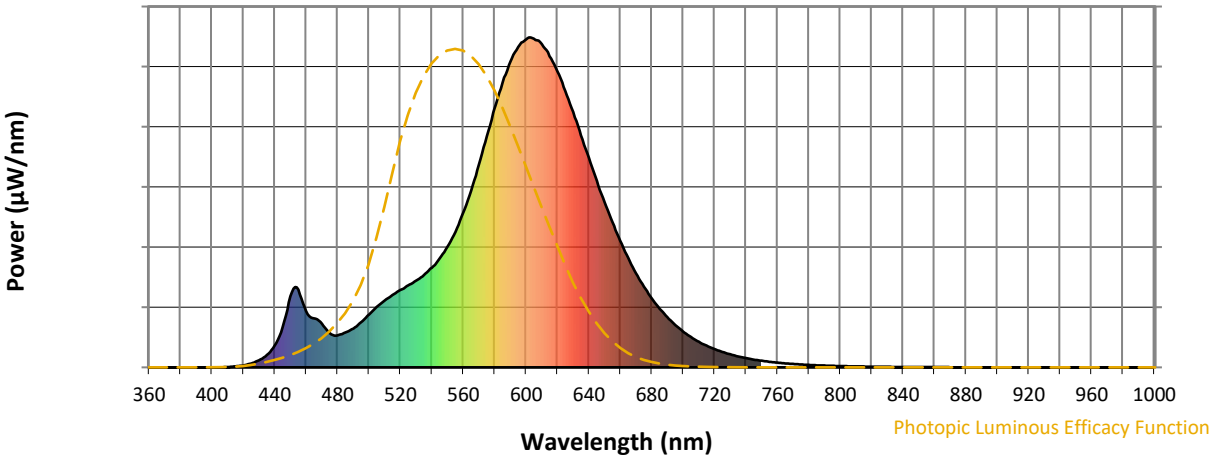


CCT = 2253K
CIE x = 0.4974
CIE y = 0.4110
Duv = -0.0014

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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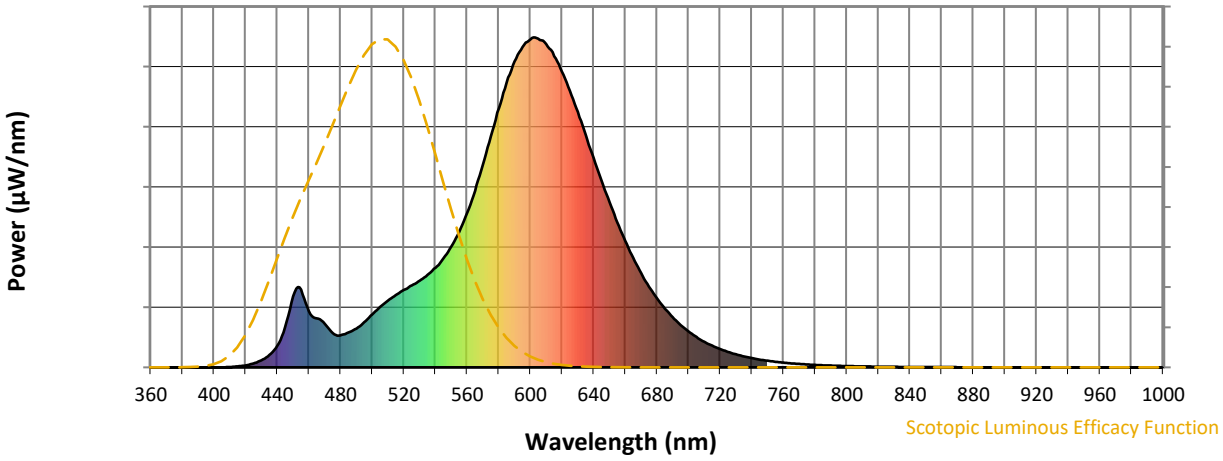
Scotopic Flux vs. Wavelength



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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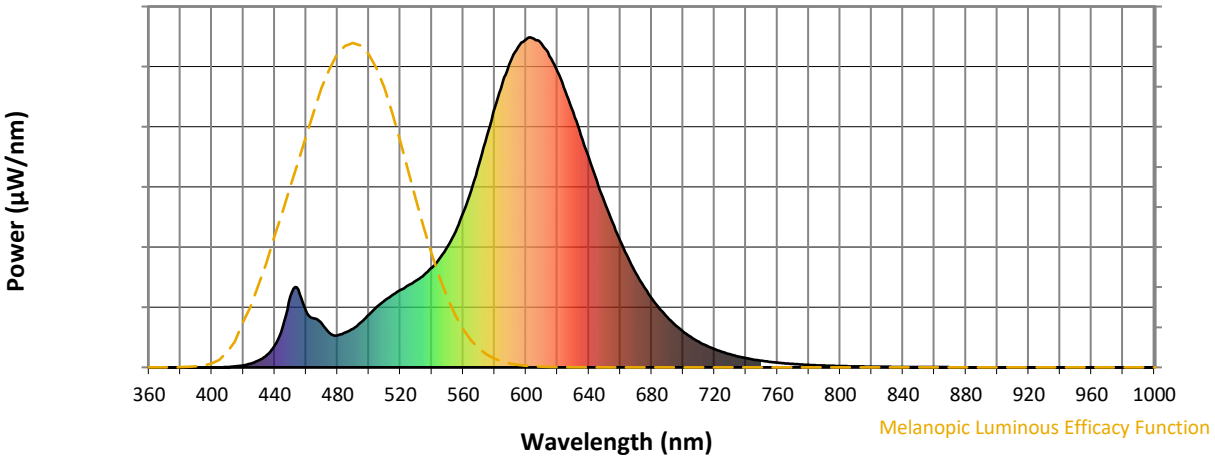
Melanopic Flux vs. Wavelength



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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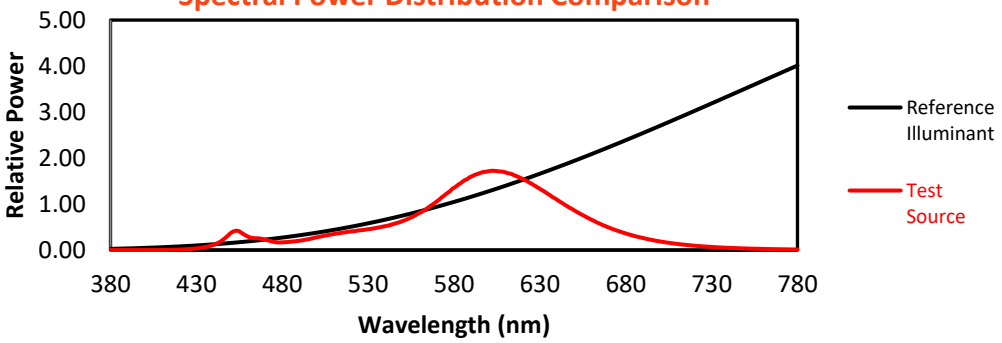
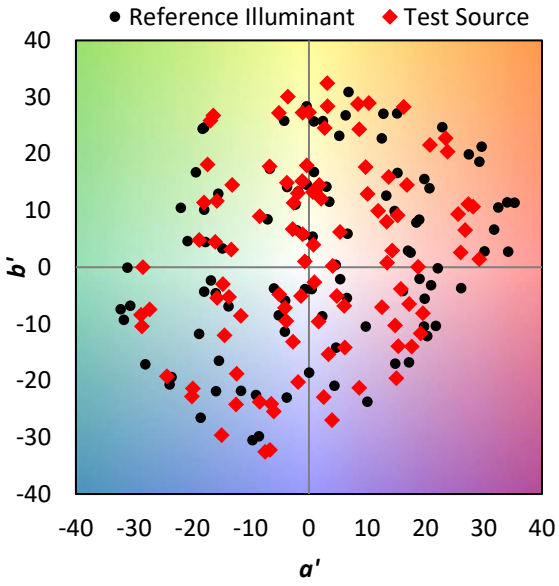
Summary

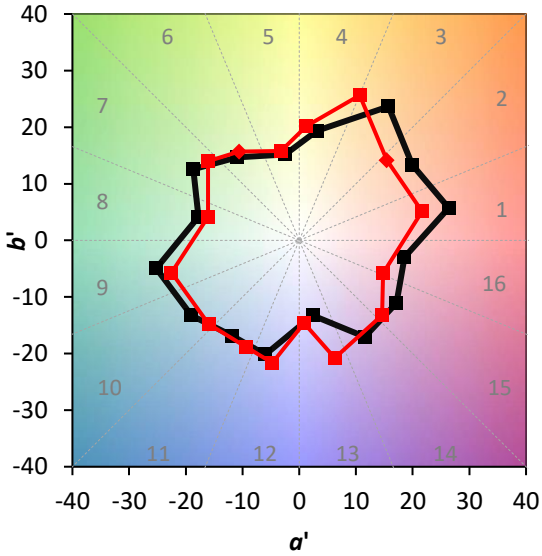
R_f = 76.9
R_g = 92.7
CIE R_a = 70.6
R_9 = -36.0

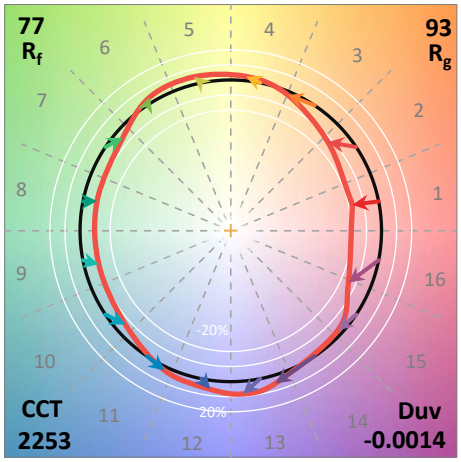
Spectral Power Distribution Comparison

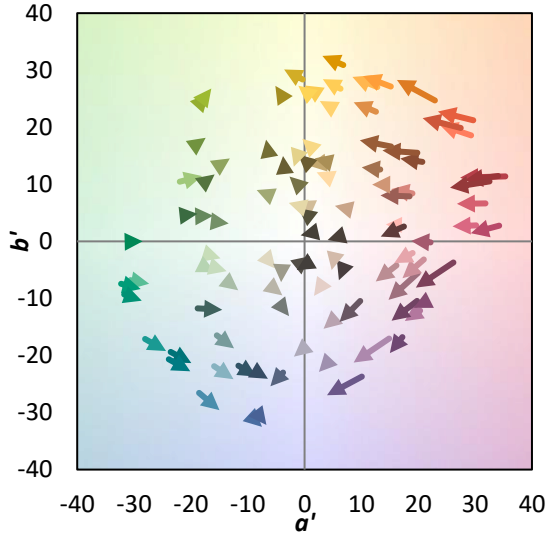


Color Vector Graphics









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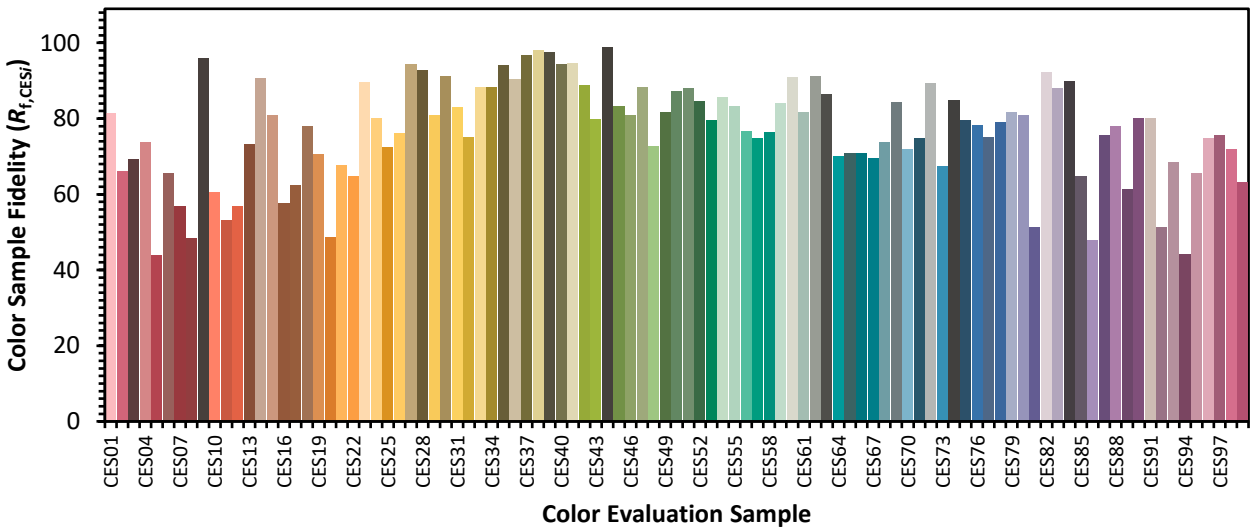
Individual Sample Fidelity Index ($R_{f,i}$)

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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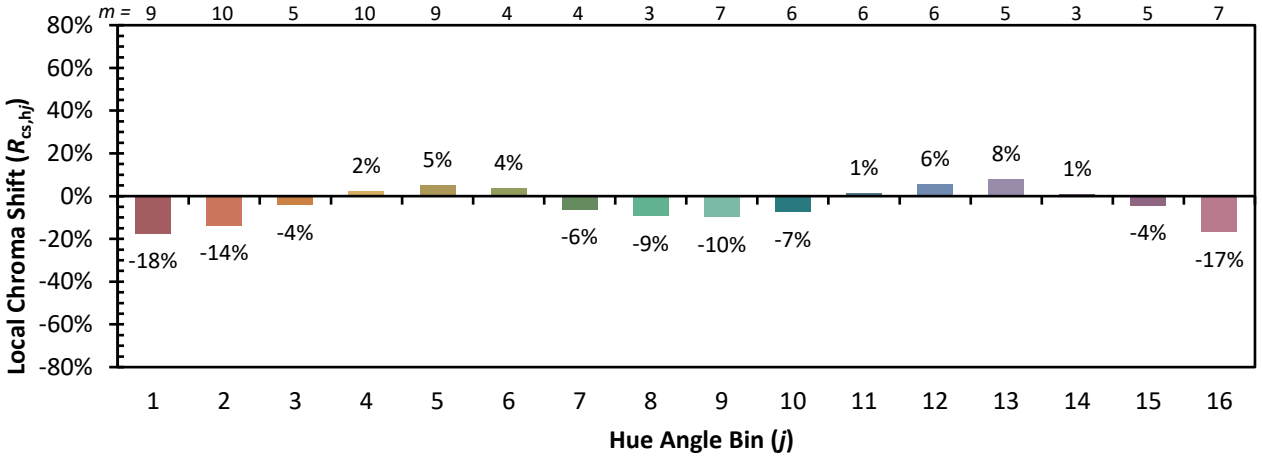
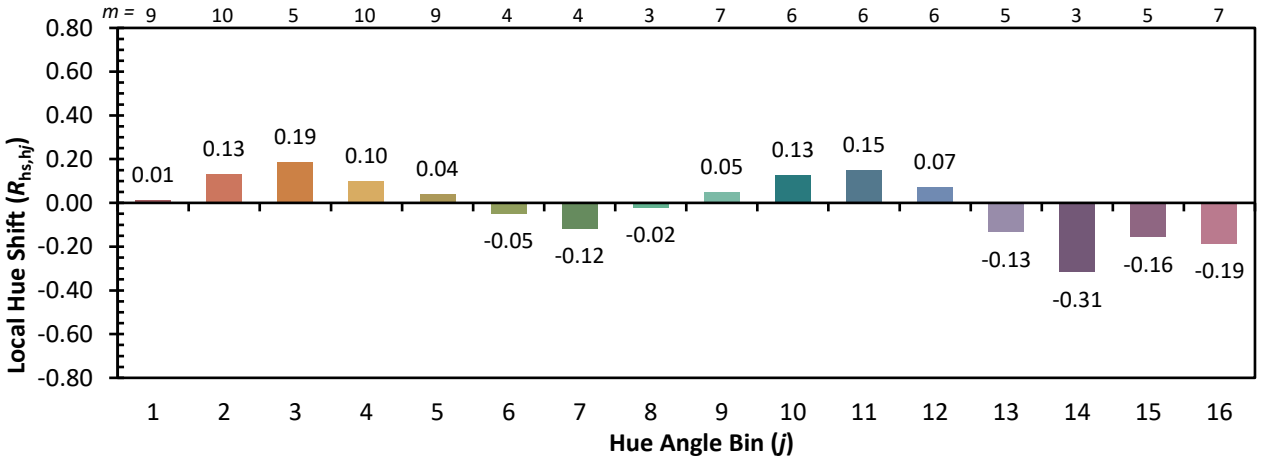
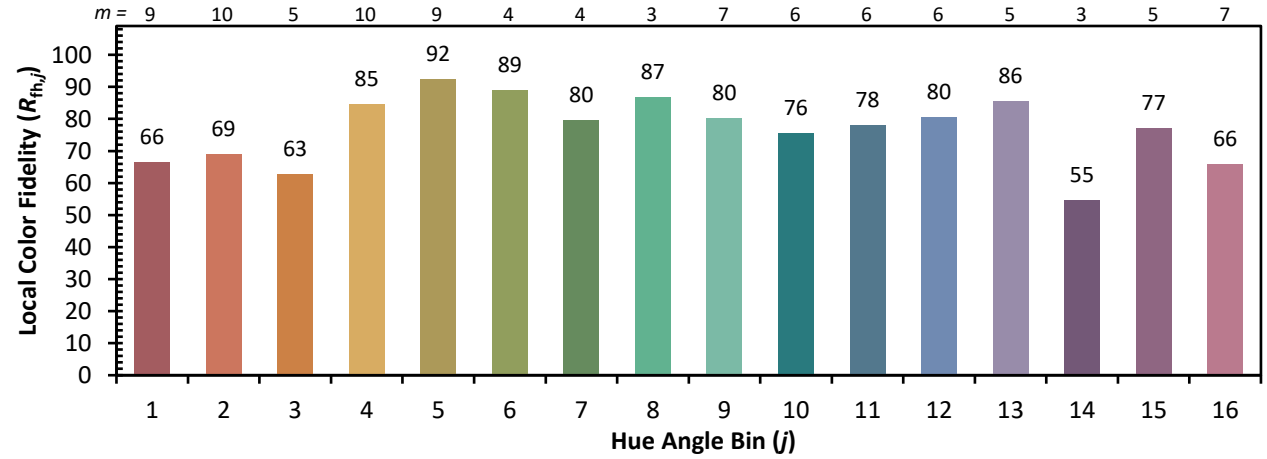
Color Rendition by Hue-Angle Bin







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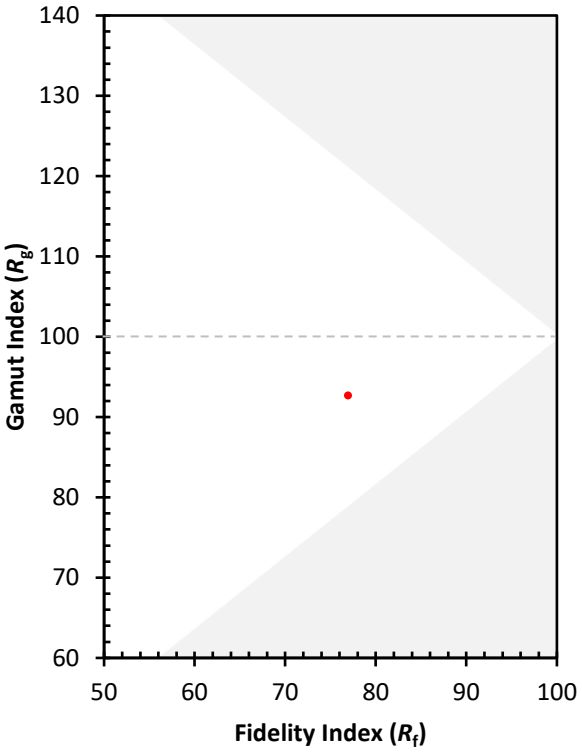
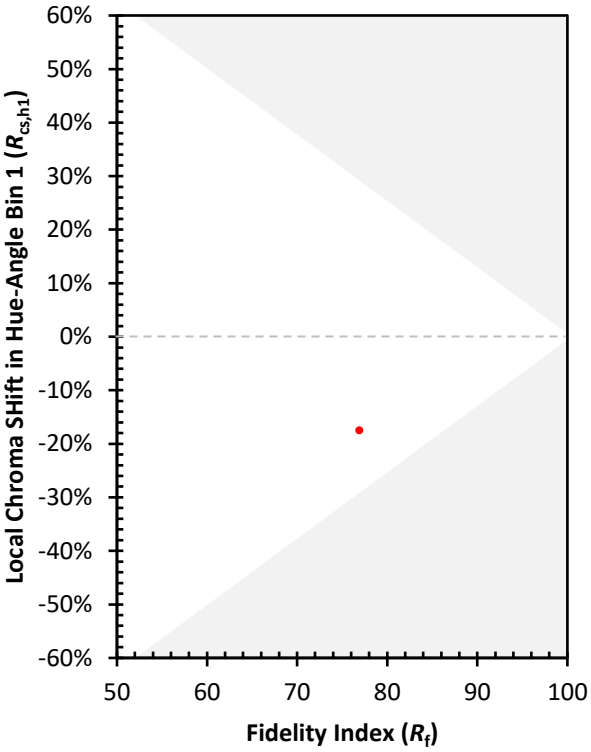
Measure Comparisons





(END OF REPORT)