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: P879892

Luminaire Tested: **MEM2-HSN-VA-50-727-U-WT4**

Issue Date: 10/01/2024

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:	P879892
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	10/01/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HSN-VA-50-727-U-WT4
Description:	EPIC MODERN SHORT HOUSING 50W 70CRI 2700K VISUAL COMFORT FIXTURE w/ DRIVE LANE TYPE IV DISTRIBUTION OPTIC
Light Source:	(1) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4851.4 lumens
Efficiency:	N/A
Efficacy:	99.0 lumens/watt
Luminous Opening:	Circular (Dia: 1.12' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	49
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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REPORT NUMBER: P879892
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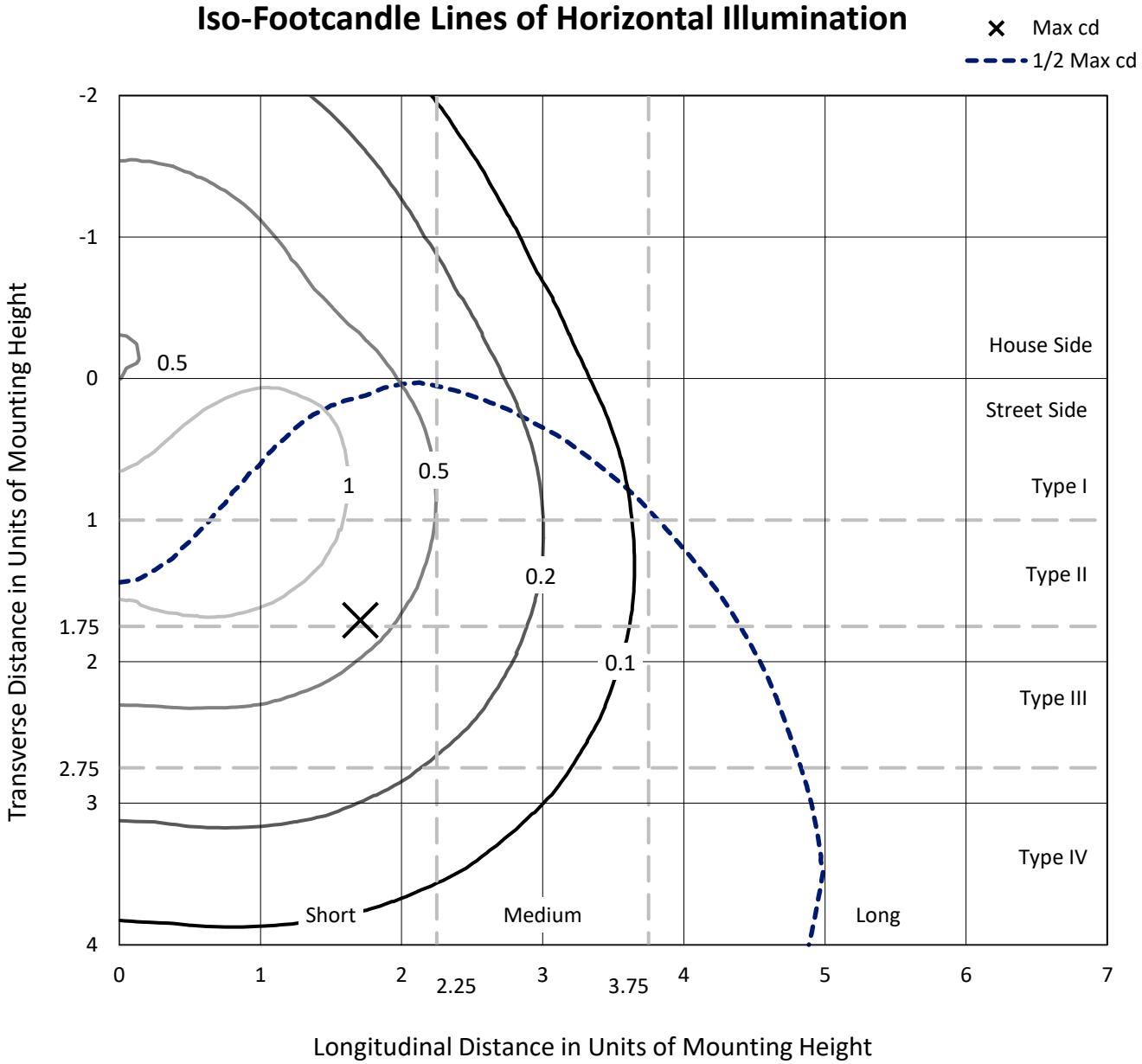
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
Type IV - Short - N/A

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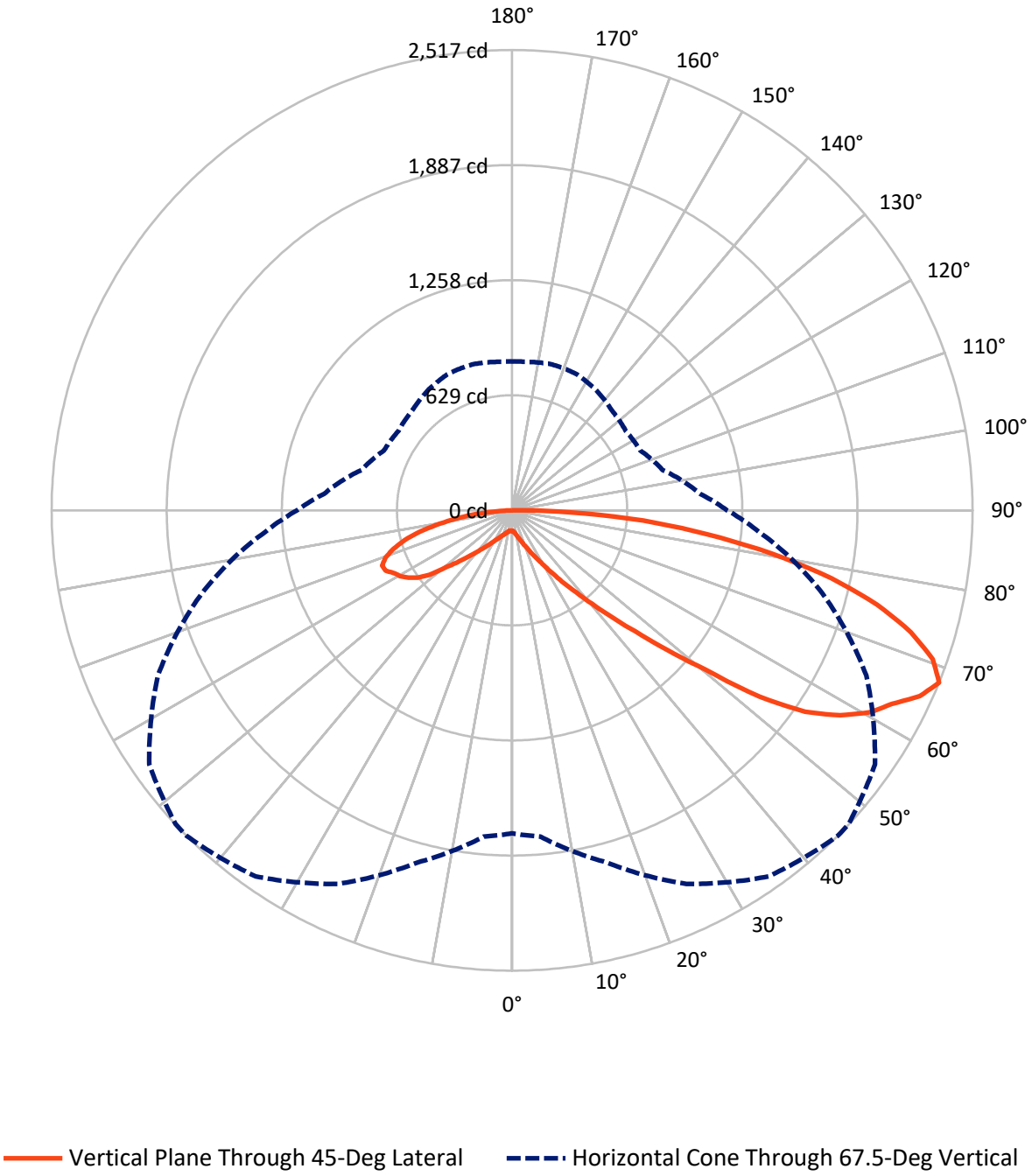
Luminous Intensity Polar Plot



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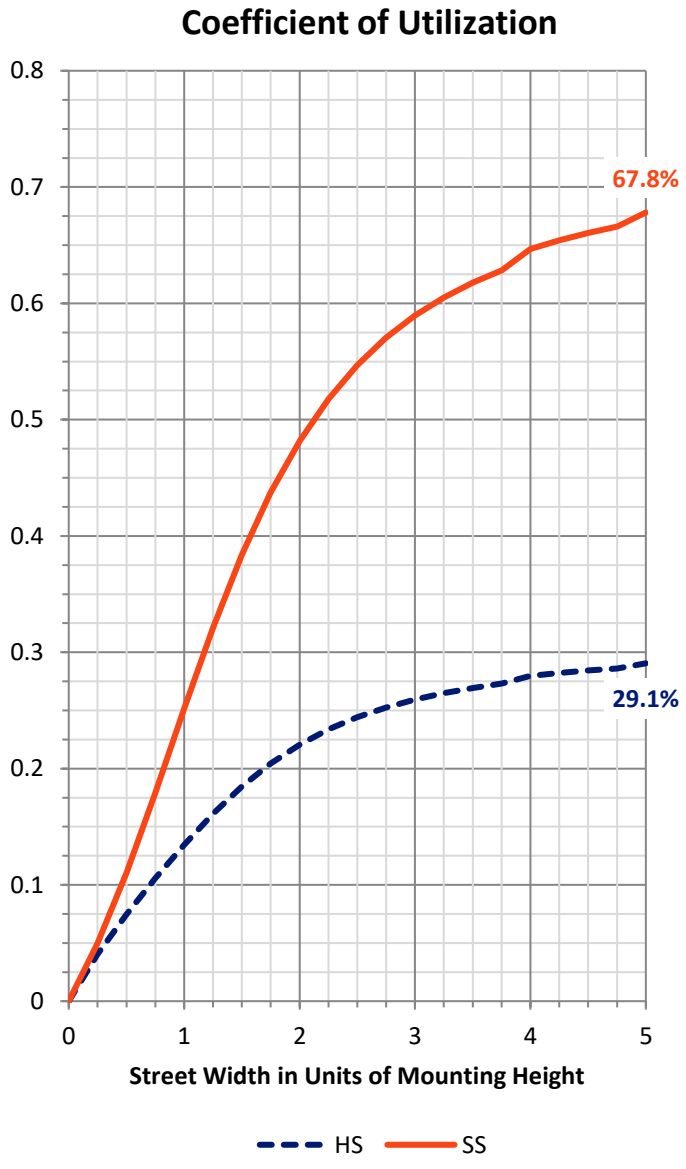
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1437.8	0.0	1437.8
	% Fixture	29.6	0.0	29.6
Street Side	Lumens	3413.6	0.0	3413.6
	% Fixture	70.4	0.0	70.4
Total	Lumens	4851.4	0.0	4851.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	0.2
10°-20°	43.2	0.9
20°-30°	101.7	2.1
30°-40°	223.0	4.6
40°-50°	485.5	10.0
50°-60°	997.4	20.6
60°-70°	1405.2	29.0
70°-80°	1193.0	24.6
80°-90°	391.0	8.1
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°	4851.4	100.0
0°-180°	4851.4	100.0



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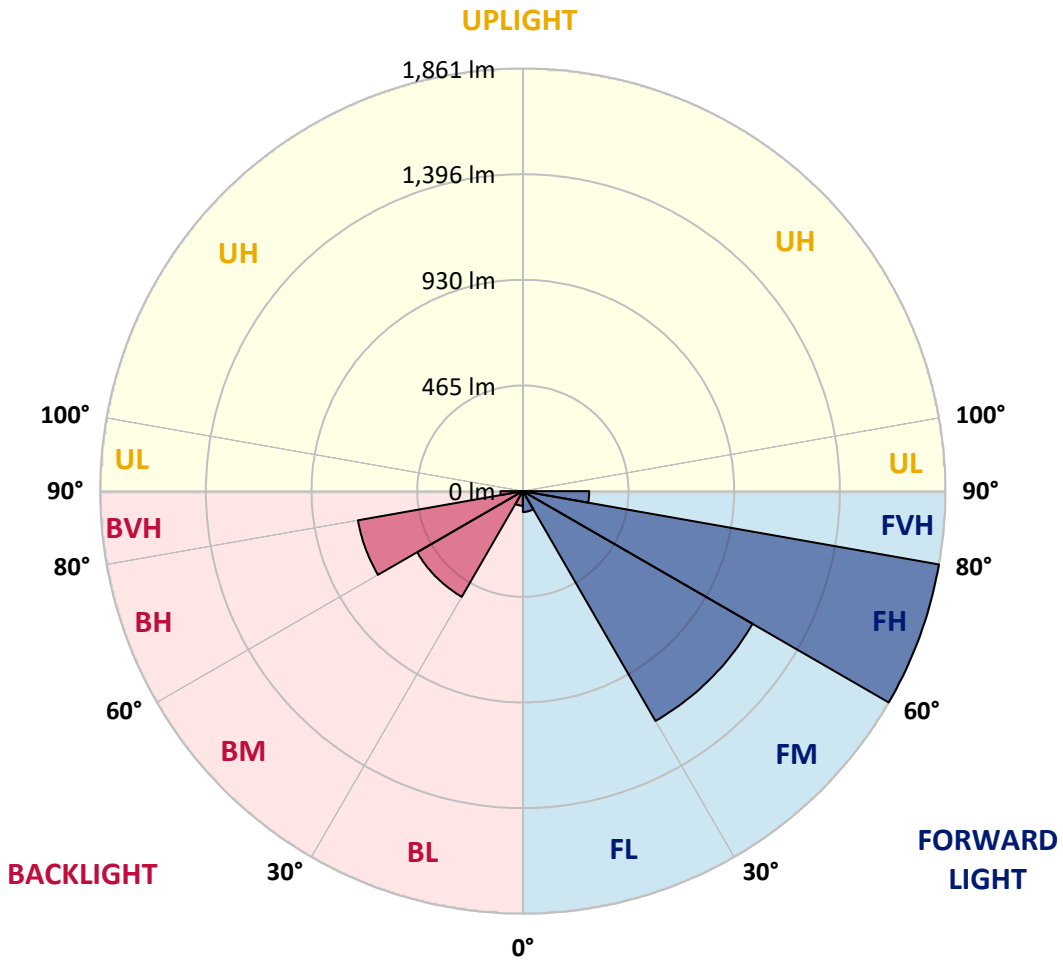
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	91.8	1.9			
FM	(30°-60°)	1168.5	24.1			
FH	(60°-80°)	1861.0	38.4			G2/5000
FVH	(80°-90°)	292.4	6.0			G3/500
BL	(0°-30°)	64.5	1.3	B0/110		
BM	(30°-60°)	537.4	11.1	B1/1000		
BH	(60°-80°)	737.3	15.2	B2/1000		G2/1000
BVH	(80°-90°)	98.6	2.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Short



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REPORT NUMBER: P879892
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	112.0	112.0	112.0	112.0	112.0	*112.0*	112.0	112.0	112.0	112.0	112.0
2.5°	115.5	115.0	115.5	115.5	115.5	*115.0*	115.0	115.0	114.5	114.0	113.5
5°	122.4	122.4	122.4	121.9	121.9	*120.9*	120.9	120.4	119.5	118.5	117.5
7.5°	131.9	131.4	131.4	130.9	130.4	*129.4*	128.9	128.4	126.4	124.9	122.9
10°	143.3	143.3	142.8	141.8	141.8	*139.3*	139.8	138.8	136.3	133.3	129.9
12.5°	157.1	157.1	156.1	156.1	155.1	*153.2*	152.7	151.2	148.7	143.7	139.8
15°	172.5	172.5	173.5	172.5	171.5	*169.0*	169.0	167.0	161.6	157.6	151.7
17.5°	191.8	189.3	190.8	190.3	190.3	*188.9*	187.4	184.9	180.4	173.5	166.1
20°	211.7	212.2	210.7	212.2	212.6	*210.7*	210.7	207.7	201.2	192.8	180.9
22.5°	236.4	236.4	233.5	237.4	239.9	*238.4*	237.9	232.0	224.0	212.6	200.7
25°	262.2	261.2	266.2	267.2	272.6	*272.1*	271.6	266.2	254.3	240.4	222.1
27.5°	291.5	292.9	302.4	304.8	310.3	*309.8*	309.3	303.4	290.5	271.6	247.8
30°	327.6	329.6	338.5	347.0	356.4	*357.4*	356.4	351.4	332.6	307.8	281.0
32.5°	369.8	375.2	384.2	398.5	410.4	*415.9*	416.9	407.9	386.6	353.9	318.7
35°	427.3	422.8	435.2	459.0	478.8	*489.7*	489.2	477.3	454.0	412.4	362.3
37.5°	483.8	482.3	501.6	532.9	559.6	*568.5*	571.0	563.1	533.3	478.3	419.3
40°	542.8	555.2	577.5	613.6	653.3	*672.1*	673.6	662.2	621.6	559.6	481.8
42.5°	619.6	632.0	660.2	704.9	762.4	*793.6*	795.6	782.7	733.6	653.3	557.1
45°	716.8	723.7	753.4	821.3	895.2	*945.3*	959.6	943.8	883.3	771.8	650.8
47.5°	821.3	821.3	869.9	959.6	1071.2	*1137.1*	1148.0	1133.6	1043.4	909.1	755.4
50°	937.8	938.3	1015.6	1144.0	1284.8	*1367.1*	1375.5	1340.8	1231.8	1048.9	862.0
52.5°	1058.8	1071.7	1184.7	1379.0	1567.8	*1693.7*	1702.2	1662.0	1516.8	1249.1	975.5
55°	1225.3	1245.6	1409.7	1648.1	1844.4	*1943.6*	1944.1	1896.0	1721.5	1443.4	1111.3
57.5°	1456.3	1464.2	1617.4	1860.8	2046.2	*2114.1*	2109.1	2038.7	1837.5	1552.0	1222.8
60°	1647.1	1665.5	1790.4	2016.4	2197.3	*2243.9*	2238.5	2145.3	1916.8	1615.4	1276.4
62.5°	1772.5	1781.5	1910.8	2127.9	2290.5	*2329.7*	2323.7	2237.0	2013.9	1726.0	1365.6
65°	1802.8	1817.7	1981.7	2202.3	2359.9	*2448.2*	2444.2	2397.6	2168.6	1807.7	1407.7
67.5°	*1766.1*	*1790.9*	*1992.1*	*2253.4*	*2443.2*	*2516.6*	*2514.6*	*2420.9*	*2135.4*	*1755.2*	*1354.7*
70°	1691.3	1712.6	1962.4	2247.9	2418.9	*2438.7*	2423.4	2316.3	2037.7	1668.0	1275.4
72.5°	1573.3	1609.5	1853.3	2123.5	2266.2	*2279.1*	2273.7	2142.8	1891.0	1517.8	1155.4
75°	1418.6	1462.7	1683.8	1902.4	2038.2	*2060.5*	2050.1	1935.6	1680.8	1329.9	1006.7
77.5°	1222.8	1247.6	1416.2	1623.8	1780.0	*1783.9*	1778.0	1650.1	1415.7	1113.8	847.1
80°	963.6	978.5	1124.7	1297.7	1427.1	*1442.9*	1437.5	1351.2	1124.2	881.3	660.7
82.5°	713.8	703.9	802.0	943.8	1072.2	*1073.1*	1082.1	986.4	841.7	639.4	472.9
85°	410.9	414.9	500.1	596.8	674.6	*719.7*	719.2	673.1	541.3	407.0	288.5
87.5°	114.5	123.4	177.5	258.2	293.4	*319.2*	309.8	279.6	226.0	127.9	73.4
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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Scaled Data Report

REPORT NUMBER: P879892
CATALOG NUMBER: MEM2-HSN-VA-50-727-U-WT4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
2.5°	113.5	113.0	112.5	112.0	111.0	111.0	110.5	111.0	111.0	111.0	111.0
5°	116.5	116.0	114.5	113.5	112.0	111.0	110.5	110.5	110.5	110.5	110.5
7.5°	121.4	120.9	118.5	116.5	114.5	113.5	112.5	112.0	111.5	111.0	111.5
10°	128.9	126.9	124.4	121.4	118.5	117.0	115.5	115.0	114.5	114.0	114.0
12.5°	137.3	135.8	131.4	127.4	124.4	121.9	120.0	119.0	118.5	118.0	118.0
15°	148.7	145.7	139.8	134.8	130.4	127.4	125.4	124.4	123.9	123.4	123.4
17.5°	161.6	157.6	149.7	143.3	138.3	134.3	131.9	130.4	129.4	129.9	130.4
20°	176.5	170.0	161.1	153.2	146.7	142.3	139.8	137.8	136.8	137.3	137.8
22.5°	193.8	186.9	174.0	164.6	156.6	151.2	148.7	147.2	146.2	145.7	144.7
25°	213.6	204.7	189.8	177.0	167.5	162.1	159.1	158.1	157.1	156.1	156.1
27.5°	237.4	227.0	206.7	192.8	181.4	176.0	172.5	171.0	171.0	169.5	169.5
30°	265.2	251.3	226.5	208.2	196.8	189.8	185.9	185.4	184.4	185.9	185.9
32.5°	298.4	279.6	249.3	228.0	215.1	208.7	204.7	203.7	202.2	203.2	206.2
35°	340.0	315.7	279.6	254.3	238.4	232.0	227.0	226.5	224.0	226.5	222.6
37.5°	386.6	359.9	311.8	282.0	264.7	257.3	253.8	252.3	251.8	251.8	248.8
40°	443.6	411.4	352.9	316.2	296.4	287.5	284.0	283.5	282.5	286.0	282.5
42.5°	514.0	464.9	395.6	353.9	333.6	324.2	320.2	318.7	321.2	322.7	322.2
45°	592.3	539.3	450.1	402.0	378.7	369.3	363.8	362.3	363.3	363.3	368.3
47.5°	682.5	620.1	512.5	454.5	433.2	421.8	418.4	413.4	410.9	409.9	418.4
50°	776.7	698.9	576.5	511.5	492.2	483.3	484.3	474.4	470.9	466.9	465.9
52.5°	871.4	783.2	649.3	590.8	568.5	573.0	571.0	560.6	540.3	535.3	523.4
55°	984.9	878.3	719.2	649.3	630.0	633.5	641.4	641.4	636.9	626.0	616.6
57.5°	1081.1	957.2	771.8	684.5	667.7	676.6	692.5	704.4	714.8	722.7	722.2
60°	1134.6	1005.7	806.0	711.3	691.5	708.8	732.6	752.9	775.2	798.5	797.5
62.5°	1208.5	1073.6	866.9	758.9	724.7	730.1	757.4	792.6	812.9	832.2	837.7
65°	1227.8	1086.0	889.7	792.6	764.8	765.8	784.2	812.9	830.3	835.2	838.2
67.5°	*1175.7*	*1031.5*	*852.1*	*772.8*	*757.9*	*771.8*	*801.5*	*824.3*	*826.8*	*814.9*	*813.9*
70°	1097.4	964.6	792.6	726.2	716.8	738.1	777.2	804.5	798.5	774.2	772.8
72.5°	986.9	863.5	712.8	664.7	655.3	682.1	716.8	745.5	736.6	718.2	716.8
75°	854.1	738.6	616.1	580.4	579.9	609.2	639.4	656.8	656.3	643.4	639.4
77.5°	709.8	616.1	507.6	475.4	487.3	515.0	537.3	550.2	545.7	541.3	539.8
80°	555.7	472.4	391.6	372.3	390.6	400.0	423.8	422.8	425.3	415.9	422.8
82.5°	395.6	340.5	280.6	272.1	274.6	293.4	306.3	304.8	298.4	291.5	288.5
85°	239.9	209.7	179.9	168.0	176.5	175.0	182.9	176.5	172.5	169.0	172.0
87.5°	66.4	57.5	55.0	39.7	49.1	38.7	40.6	28.3	24.8	29.7	25.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2407-176-2

Test Date: 09/24/2024

Luminaire Tested: MEM2-HTN-VA-30-727-U-WQ

Data in this report applies to families of products including MEM2-HTN-VA-30-727-U-WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

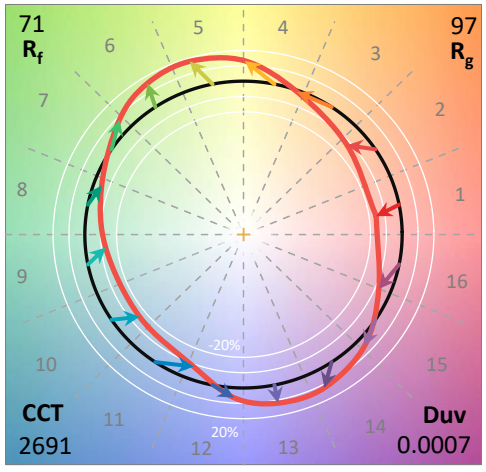
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-176-2
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	09/27/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**MEM2-HTN-VA-30-727-U-WQ**
Description:	EPIC MODERN VISUAL COMFORT 30W WAVESTREAM WIDE

Spectral Parameters

CCT (K):	2691	CRI (Ra):	70.6		
CIE u':	0.2627	R1:	67.7	R9:	-27.1
CIE v':	0.5285	R2:	79.8	R10:	53.1
Duv:	0.0007	R3:	90.6	R11:	61.9
CIE x:	0.4618	R4:	67.7	R12:	42.2
CIE y:	0.4129	R5:	65.3	R13:	69.4
CIE z:	0.1254	R6:	71.1	R14:	94.1
Peak Wavelength (nm):	601	R7:	78.1	R15:	60.4
Dominant Wavelength (nm):	584	R8:	44.7		
Purity:	62.54863				

Rf:	70.6
Rg:	97.2



Test Conditions

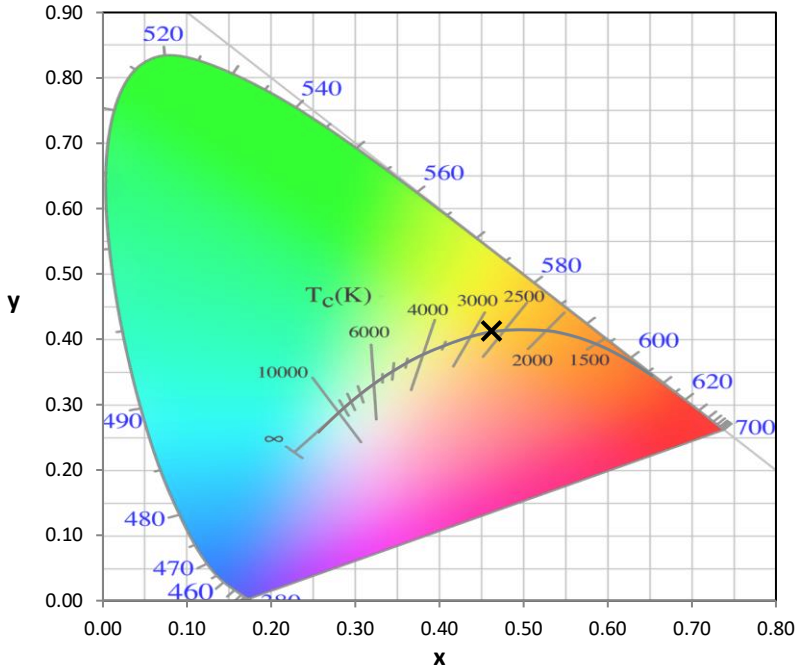
Stabilization Time:	28M
Operation Time:	1H 28M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-176-2

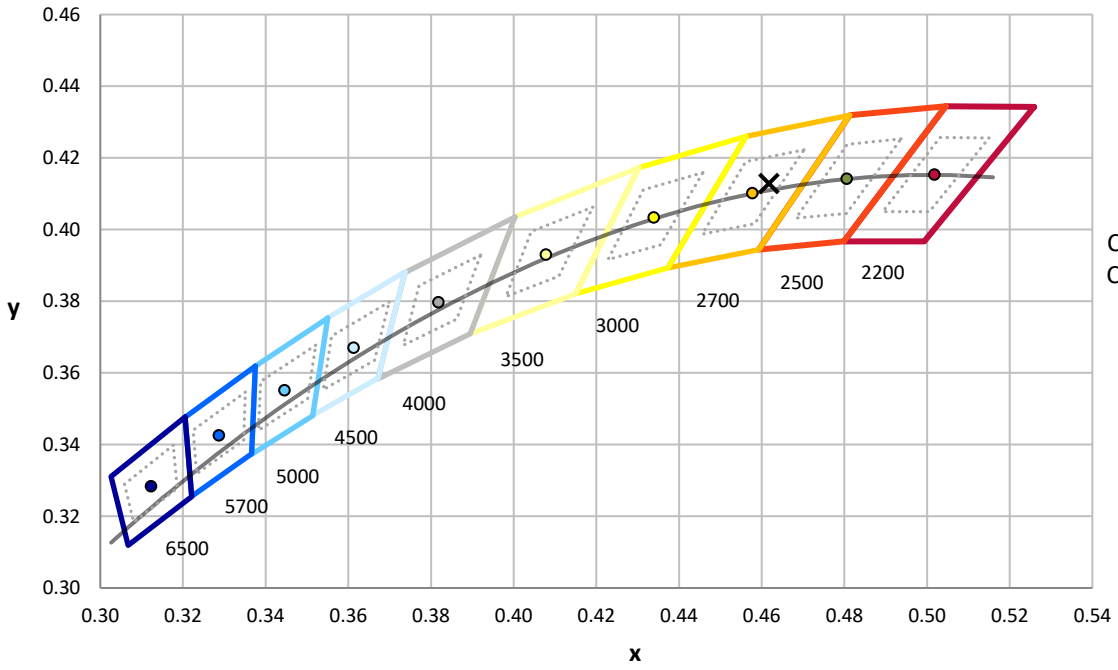
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-176-2

CIE 1931 Chromaticity Diagram



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

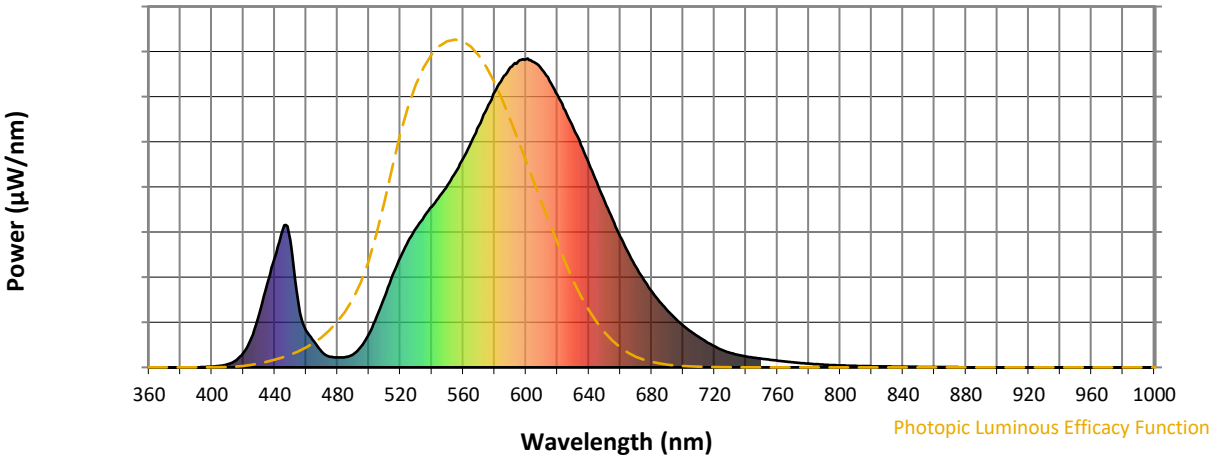


CCT = 2691K
CIE x = 0.4618
CIE y = 0.4129
Duv = 0.0007

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-176-2

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	43	NR	620	881	NR	750	28	NR	880	0	NR
365	0	NR	495	67	NR	625	832	NR	755	25	NR	885	0	NR
370	0	NR	500	108	NR	630	776	NR	760	22	NR	890	0	NR
375	0	NR	505	165	NR	635	720	NR	765	19	NR	895	0	NR
380	0	NR	510	229	NR	640	660	NR	770	16	NR	900	0	NR
385	0	NR	515	297	NR	645	599	NR	775	14	NR	905	0	NR
390	0	NR	520	357	NR	650	538	NR	780	12	NR	910	0	NR
395	1	NR	525	408	NR	655	480	NR	785	10	NR	915	0	NR
400	3	NR	530	451	NR	660	423	NR	790	9	NR	920	0	NR
405	5	NR	535	488	NR	665	372	NR	795	7	NR	925	0	NR
410	10	NR	540	521	NR	670	325	NR	800	6	NR	930	0	NR
415	21	NR	545	555	NR	675	282	NR	805	5	NR	935	0	NR
420	46	NR	550	590	NR	680	246	NR	810	5	NR	940	0	NR
425	94	NR	555	631	NR	685	213	NR	815	4	NR	945	0	NR
430	169	NR	560	677	NR	690	185	NR	820	4	NR	950	0	NR
435	268	NR	565	728	NR	695	158	NR	825	3	NR	955	0	NR
440	354	NR	570	782	NR	700	136	NR	830	3	NR	960	0	NR
445	445	NR	575	838	NR	705	116	NR	835	2	NR	965	0	NR
450	411	NR	580	891	NR	710	98	NR	840	2	NR	970	0	NR
455	210	NR	585	935	NR	715	82	NR	845	2	NR	975	0	NR
460	119	NR	590	972	NR	720	68	NR	850	2	NR	980	0	NR
465	84	NR	595	991	NR	725	56	NR	855	1	NR	985	0	NR
470	50	NR	600	997	NR	730	47	NR	860	1	NR	990	0	NR
475	35	NR	605	988	NR	735	40	NR	865	1	NR	995	0	NR
480	32	NR	610	965	NR	740	35	NR	870	1	NR	1000	0	NR
485	33	NR	615	927	NR	745	31	NR	875	1	NR			

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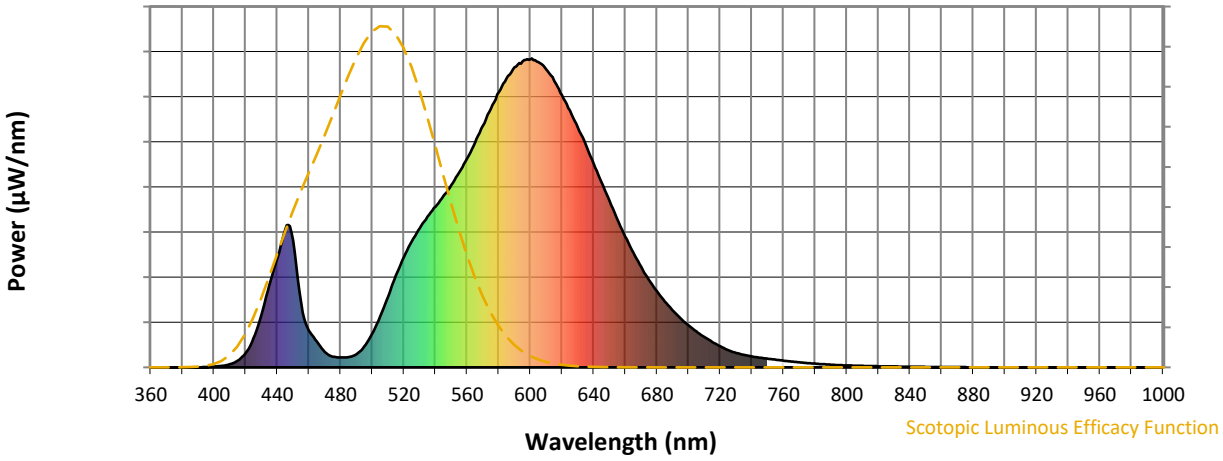
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.03**

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	43	NR	620	881	NR	750	28	NR	880	0	NR
365	0	NR	495	67	NR	625	832	NR	755	25	NR	885	0	NR
370	0	NR	500	108	NR	630	776	NR	760	22	NR	890	0	NR
375	0	NR	505	165	NR	635	720	NR	765	19	NR	895	0	NR
380	0	NR	510	229	NR	640	660	NR	770	16	NR	900	0	NR
385	0	NR	515	297	NR	645	599	NR	775	14	NR	905	0	NR
390	0	NR	520	357	NR	650	538	NR	780	12	NR	910	0	NR
395	1	NR	525	408	NR	655	480	NR	785	10	NR	915	0	NR
400	3	NR	530	451	NR	660	423	NR	790	9	NR	920	0	NR
405	5	NR	535	488	NR	665	372	NR	795	7	NR	925	0	NR
410	10	NR	540	521	NR	670	325	NR	800	6	NR	930	0	NR
415	21	NR	545	555	NR	675	282	NR	805	5	NR	935	0	NR
420	46	NR	550	590	NR	680	246	NR	810	5	NR	940	0	NR
425	94	NR	555	631	NR	685	213	NR	815	4	NR	945	0	NR
430	169	NR	560	677	NR	690	185	NR	820	4	NR	950	0	NR
435	268	NR	565	728	NR	695	158	NR	825	3	NR	955	0	NR
440	354	NR	570	782	NR	700	136	NR	830	3	NR	960	0	NR
445	445	NR	575	838	NR	705	116	NR	835	2	NR	965	0	NR
450	411	NR	580	891	NR	710	98	NR	840	2	NR	970	0	NR
455	210	NR	585	935	NR	715	82	NR	845	2	NR	975	0	NR
460	119	NR	590	972	NR	720	68	NR	850	2	NR	980	0	NR
465	84	NR	595	991	NR	725	56	NR	855	1	NR	985	0	NR
470	50	NR	600	997	NR	730	47	NR	860	1	NR	990	0	NR
475	35	NR	605	988	NR	735	40	NR	865	1	NR	995	0	NR
480	32	NR	610	965	NR	740	35	NR	870	1	NR	1000	0	NR
485	33	NR	615	927	NR	745	31	NR	875	1	NR			

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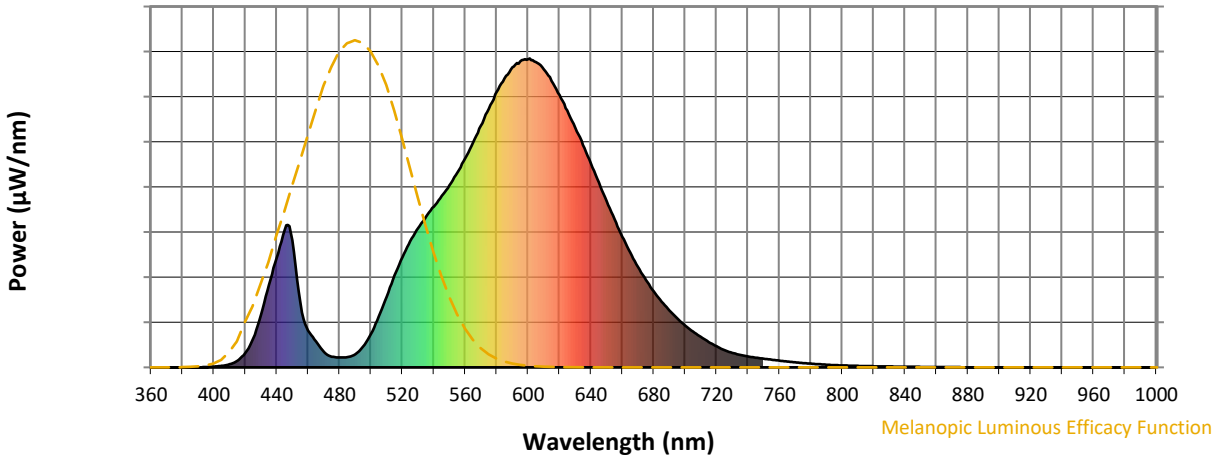
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.73**

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	43	NR	620	881	NR	750	28	NR	880	0	NR
365	0	NR	495	67	NR	625	832	NR	755	25	NR	885	0	NR
370	0	NR	500	108	NR	630	776	NR	760	22	NR	890	0	NR
375	0	NR	505	165	NR	635	720	NR	765	19	NR	895	0	NR
380	0	NR	510	229	NR	640	660	NR	770	16	NR	900	0	NR
385	0	NR	515	297	NR	645	599	NR	775	14	NR	905	0	NR
390	0	NR	520	357	NR	650	538	NR	780	12	NR	910	0	NR
395	1	NR	525	408	NR	655	480	NR	785	10	NR	915	0	NR
400	3	NR	530	451	NR	660	423	NR	790	9	NR	920	0	NR
405	5	NR	535	488	NR	665	372	NR	795	7	NR	925	0	NR
410	10	NR	540	521	NR	670	325	NR	800	6	NR	930	0	NR
415	21	NR	545	555	NR	675	282	NR	805	5	NR	935	0	NR
420	46	NR	550	590	NR	680	246	NR	810	5	NR	940	0	NR
425	94	NR	555	631	NR	685	213	NR	815	4	NR	945	0	NR
430	169	NR	560	677	NR	690	185	NR	820	4	NR	950	0	NR
435	268	NR	565	728	NR	695	158	NR	825	3	NR	955	0	NR
440	354	NR	570	782	NR	700	136	NR	830	3	NR	960	0	NR
445	445	NR	575	838	NR	705	116	NR	835	2	NR	965	0	NR
450	411	NR	580	891	NR	710	98	NR	840	2	NR	970	0	NR
455	210	NR	585	935	NR	715	82	NR	845	2	NR	975	0	NR
460	119	NR	590	972	NR	720	68	NR	850	2	NR	980	0	NR
465	84	NR	595	991	NR	725	56	NR	855	1	NR	985	0	NR
470	50	NR	600	997	NR	730	47	NR	860	1	NR	990	0	NR
475	35	NR	605	988	NR	735	40	NR	865	1	NR	995	0	NR
480	32	NR	610	965	NR	740	35	NR	870	1	NR	1000	0	NR
485	33	NR	615	927	NR	745	31	NR	875	1	NR			

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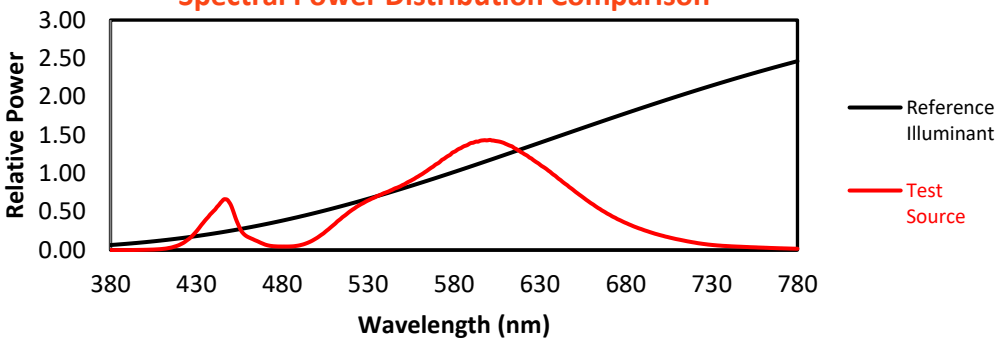
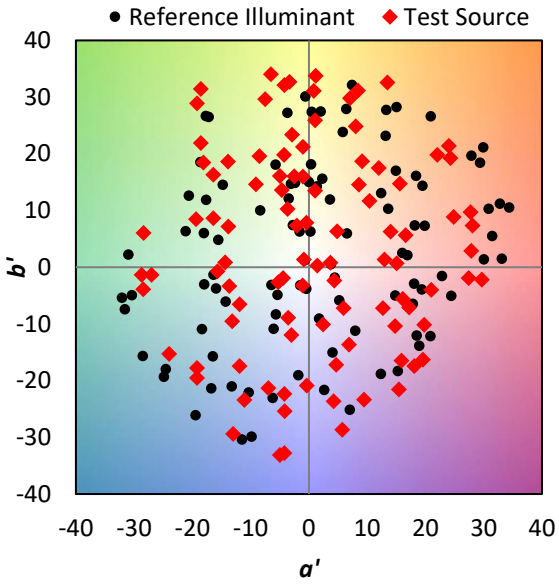
Summary

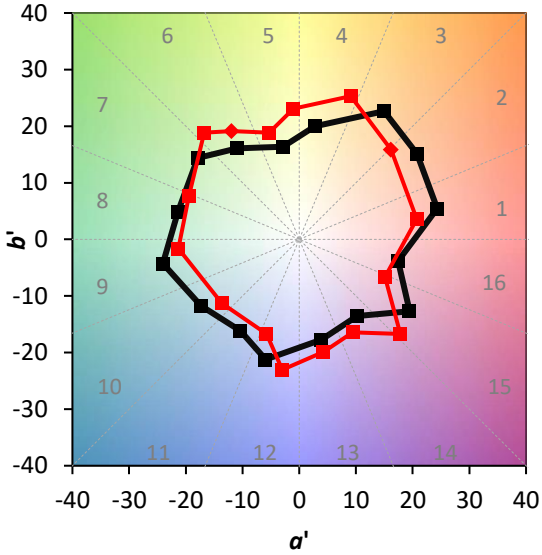
R_f = 70.6
R_g = 97.2
CIE R_a = 70.6
R_9 = -27.1

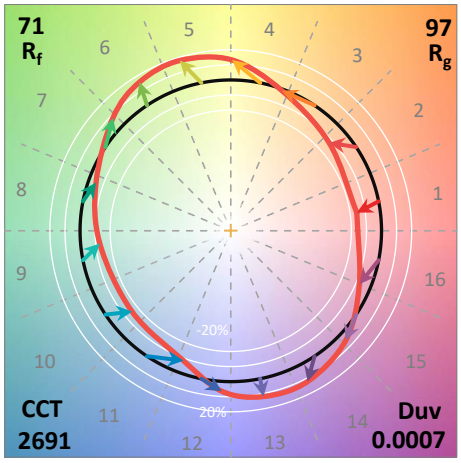
Spectral Power Distribution Comparison

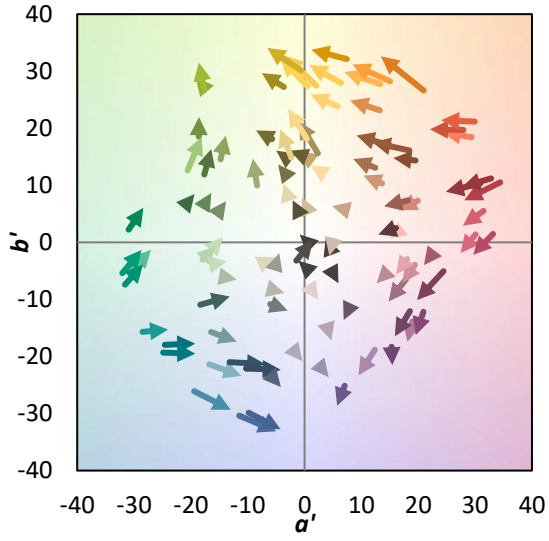


Color Vector Graphics









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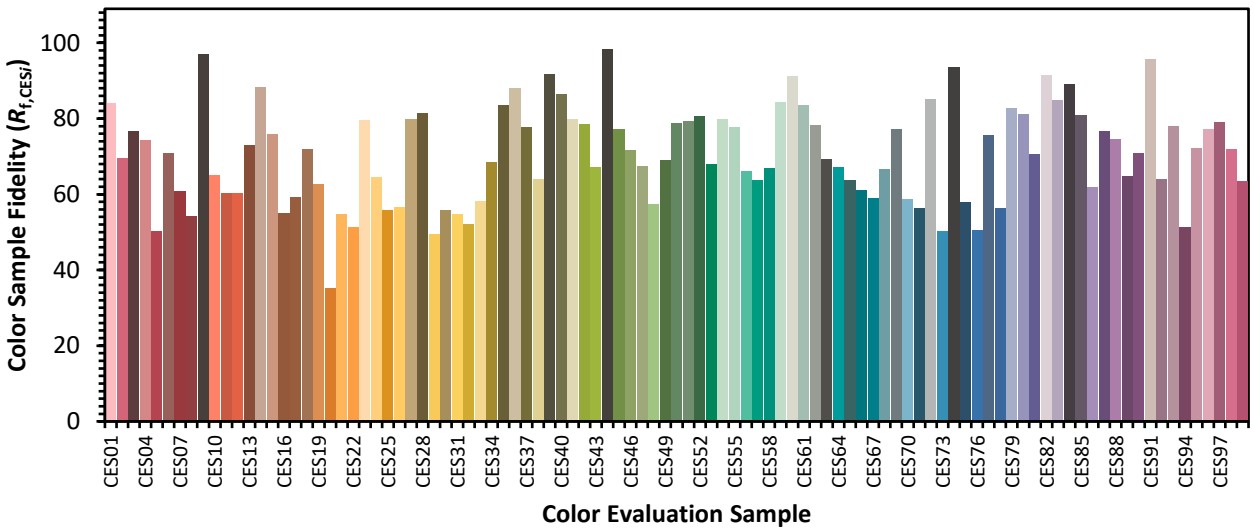
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 57	CES51 = 79	CES76 = 50
CES02 = 63	CES27 = 80	CES52 = 81	CES77 = 76
CES03 = 31	CES28 = 81	CES53 = 68	CES78 = 56
CES04 = 71	CES29 = 49	CES54 = 80	CES79 = 83
CES05 = 50	CES30 = 56	CES55 = 78	CES80 = 81
CES06 = 52	CES31 = 55	CES56 = 66	CES81 = 71
CES07 = 42	CES32 = 52	CES57 = 64	CES82 = 92
CES08 = 41	CES33 = 58	CES58 = 67	CES83 = 85
CES09 = 29	CES34 = 69	CES59 = 84	CES84 = 89
CES10 = 77	CES35 = 84	CES60 = 91	CES85 = 81
CES11 = 60	CES36 = 88	CES61 = 84	CES86 = 62
CES12 = 66	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 44	CES38 = 64	CES63 = 69	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 67	CES89 = 65
CES15 = 72	CES40 = 86	CES65 = 64	CES90 = 71
CES16 = 48	CES41 = 80	CES66 = 61	CES91 = 96
CES17 = 51	CES42 = 79	CES67 = 59	CES92 = 64
CES18 = 57	CES43 = 67	CES68 = 67	CES93 = 78
CES19 = 73	CES44 = 98	CES69 = 77	CES94 = 51
CES20 = 67	CES45 = 77	CES70 = 59	CES95 = 72
CES21 = 88	CES46 = 72	CES71 = 56	CES96 = 77
CES22 = 80	CES47 = 67	CES72 = 85	CES97 = 79
CES23 = 92	CES48 = 57	CES73 = 50	CES98 = 72
CES24 = 92	CES49 = 69	CES74 = 94	CES99 = 63
CES25 = 73	CES50 = 79	CES75 = 58	



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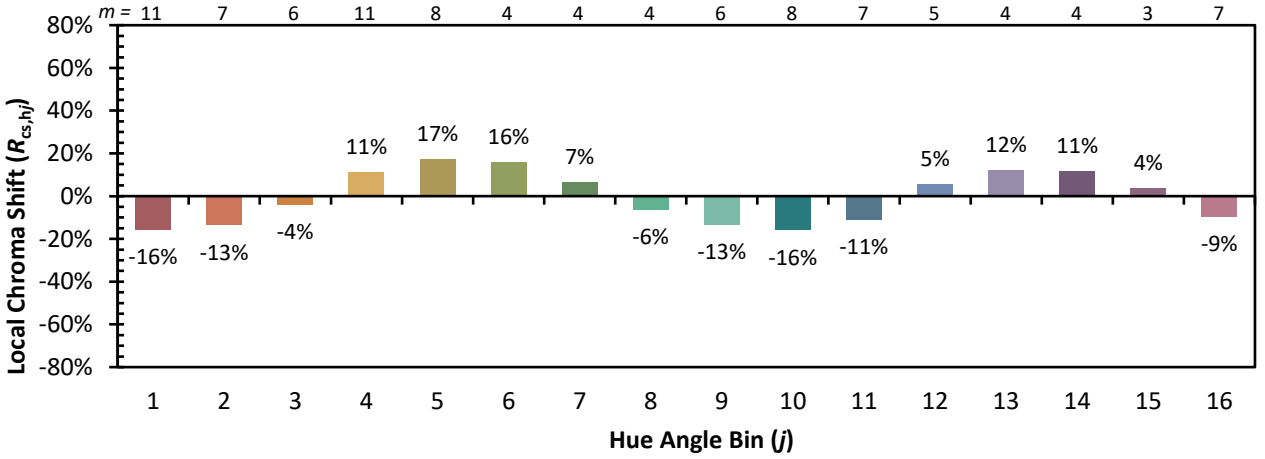
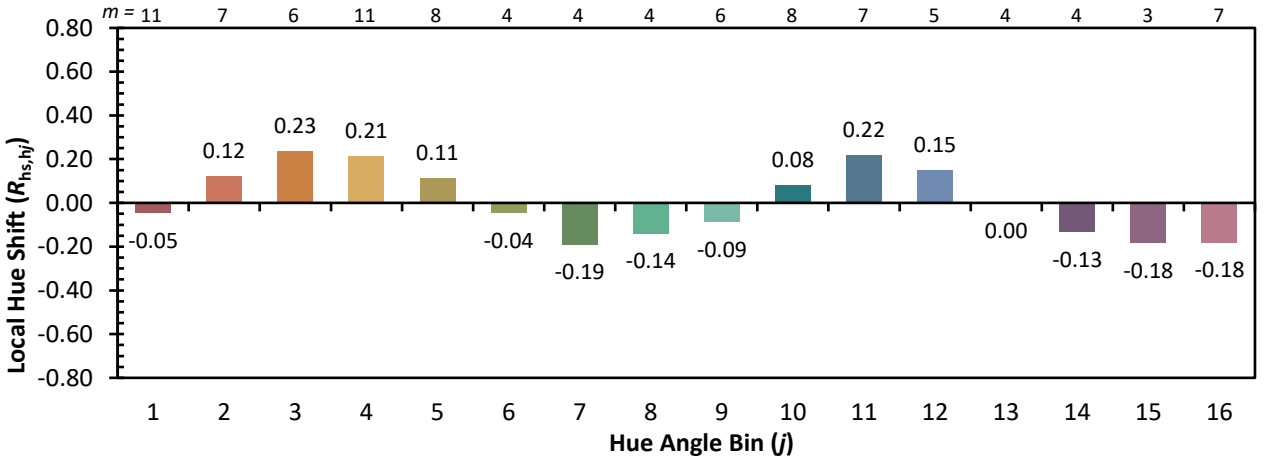
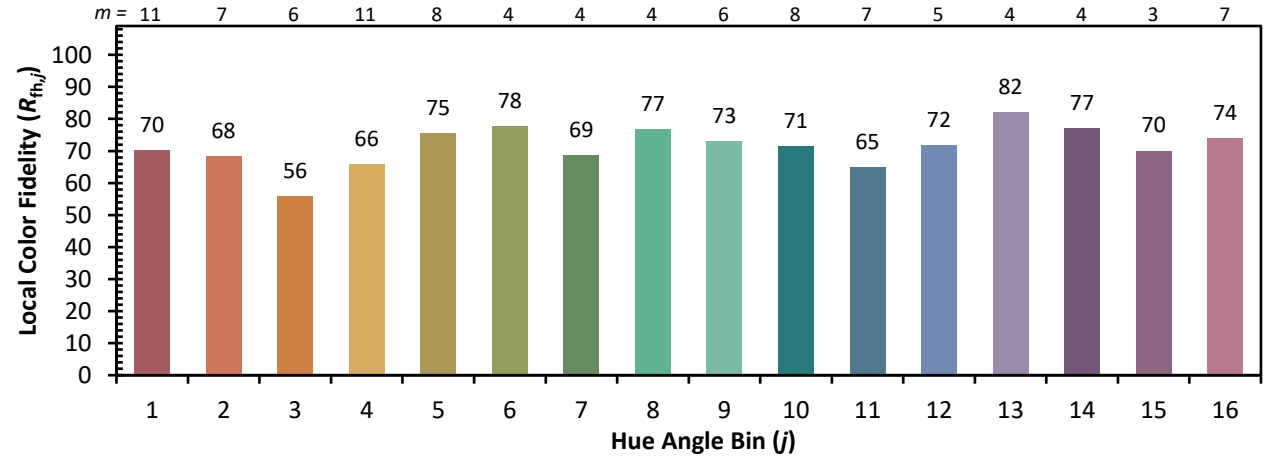
Color Rendition by Hue-Angle Bin







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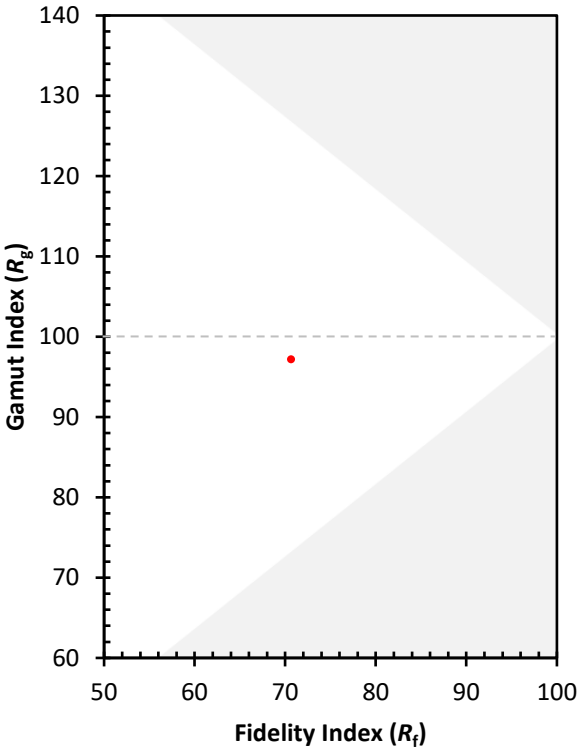
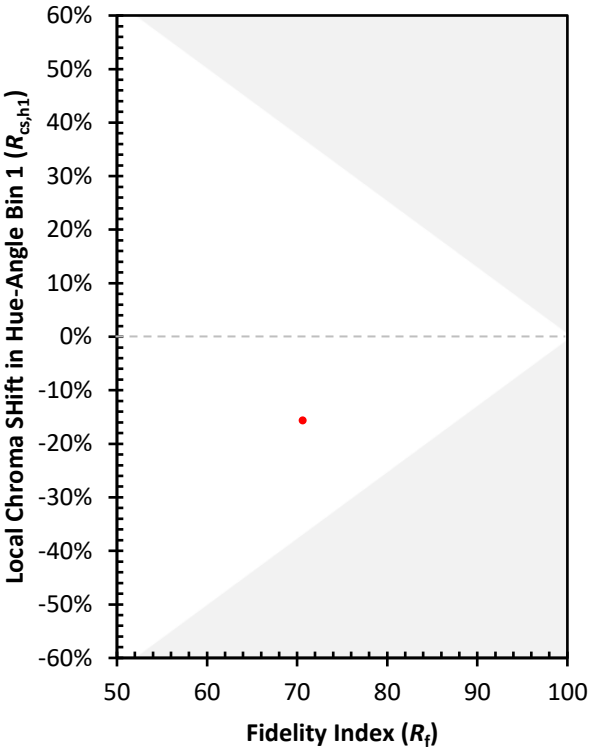
Measure Comparisons





(END OF REPORT)