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: P879925

Luminaire Tested: **MEM2-HSN-VA-110-830-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:	P879925
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	10/01/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HSN-VA-110-830-U-WT4
Description:	EPIC MODERN SHORT HOUSING 100W 80CRI 3000K VISUAL COMFORT FIXTURE w/ DRIVE LANE TYPE IV DISTRIBUTION OPTIC
Light Source:	(1) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8629 lumens
Efficiency:	N/A
Efficacy:	81.4 lumens/watt
Luminous Opening:	Circular (Dia: 1.12' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G4

Input Watts (W):	106
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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REPORT NUMBER: P879925
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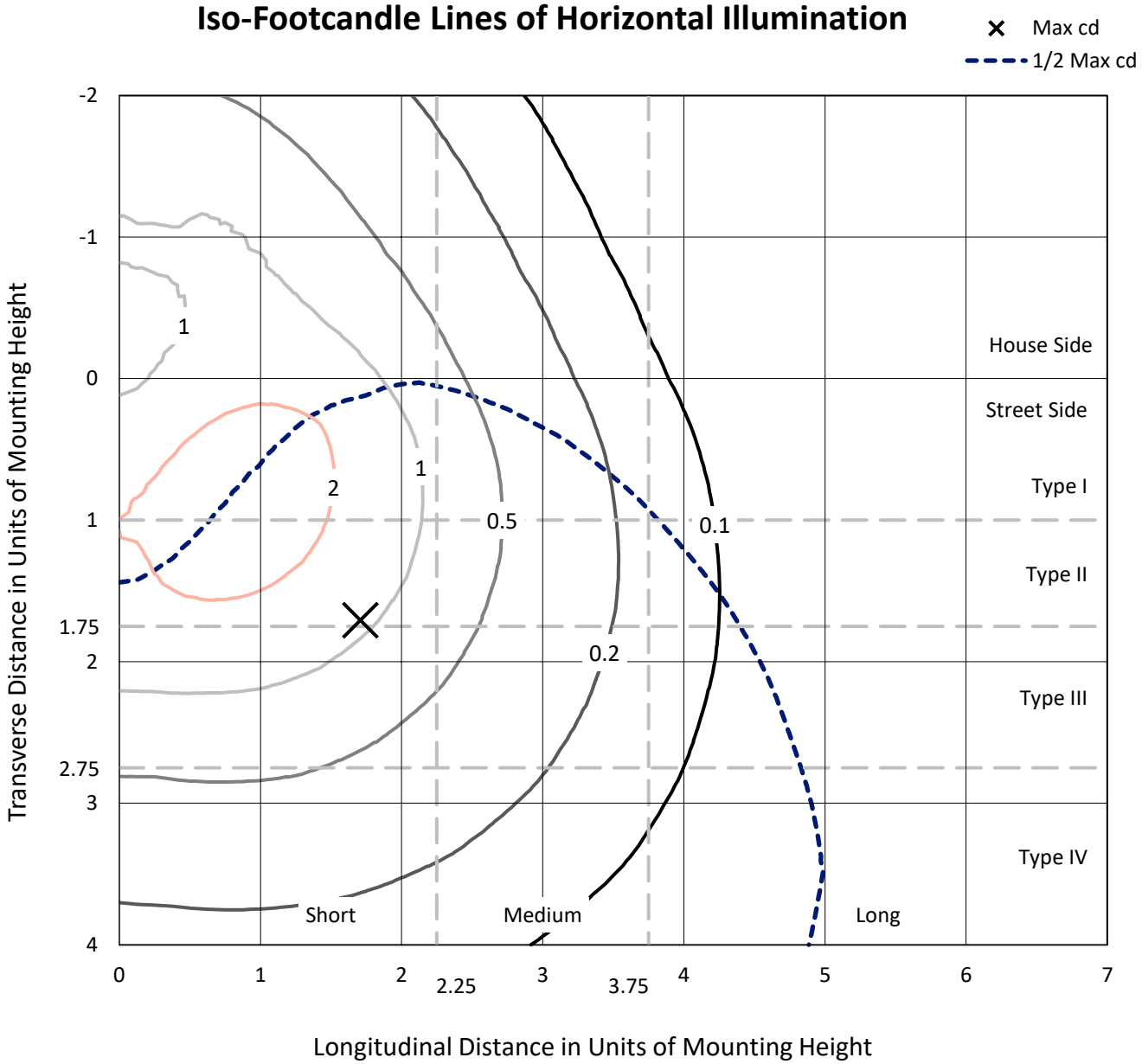
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 3 fc
Type IV - Short - N/A

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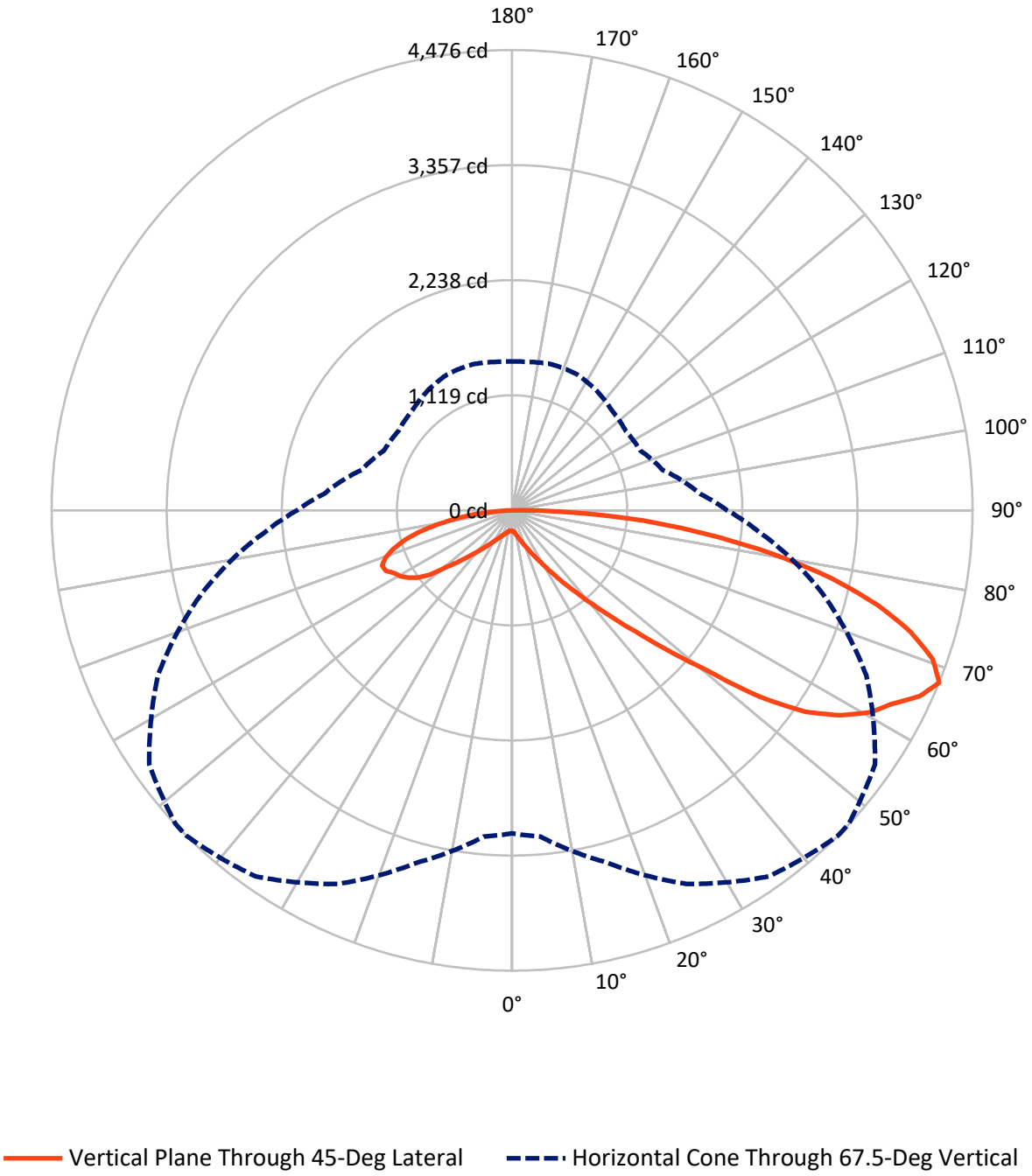
Luminous Intensity Polar Plot



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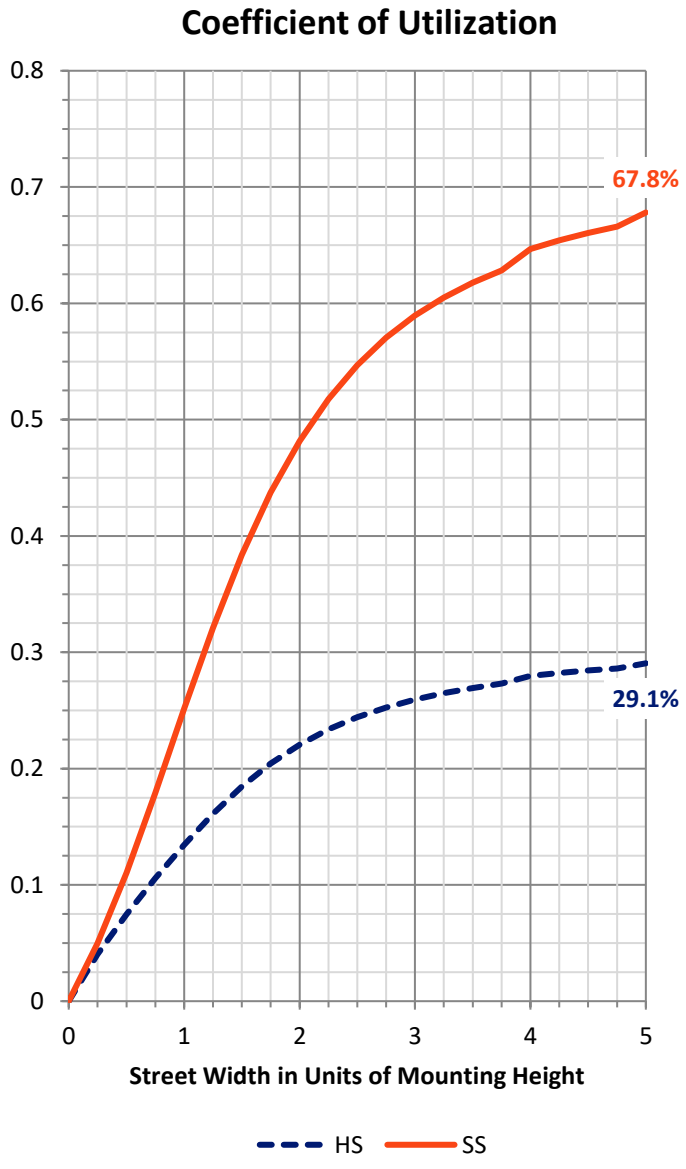
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2557.3	0.0	2557.3
	% Fixture	29.6	0.0	29.6
Street Side	Lumens	6071.7	0.0	6071.7
	% Fixture	70.4	0.0	70.4
Total	Lumens	8629.0	0.0	8629.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	0.2
10°-20°	76.8	0.9
20°-30°	180.8	2.1
30°-40°	396.6	4.6
40°-50°	863.5	10.0
50°-60°	1774.1	20.6
60°-70°	2499.4	29.0
70°-80°	2122.0	24.6
80°-90°	695.4	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°	8629.0	100.0
0°-180°	8629.0	100.0



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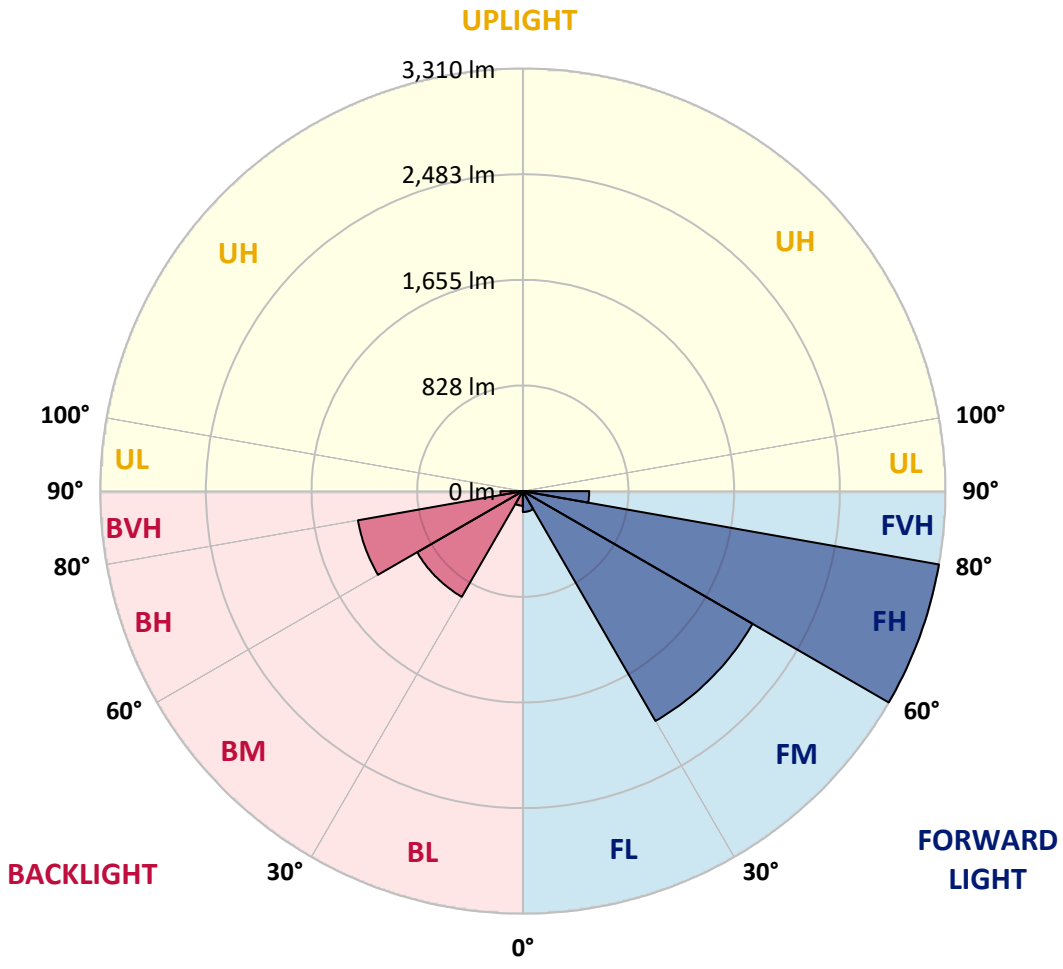
REPORT NUMBER: P879925
CATALOG NUMBER: MEM2-HSN-VA-110-830-U-WT4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	163.3	1.9			
FM	(30°-60°)	2078.3	24.1			
FH	(60°-80°)	3310.1	38.4			G2/5000
FVH	(80°-90°)	520.0	6.0			G4/750
BL	(0°-30°)	114.8	1.3	B1/500		
BM	(30°-60°)	955.8	11.1	B1/1000		
BH	(60°-80°)	1311.3	15.2	B3/2500		G3/2500
BVH	(80°-90°)	175.4	2.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type IV Short



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REPORT NUMBER: P879925
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3
2.5°	205.4	204.5	205.4	205.4	205.4	204.5	204.5	204.5	203.7	202.8	201.9
5°	217.8	217.8	217.8	216.9	216.9	215.1	215.1	214.2	212.5	210.7	208.9
7.5°	234.5	233.6	233.6	232.8	231.9	230.1	229.2	228.3	224.8	222.2	218.6
10°	254.8	254.8	253.9	252.1	252.1	247.7	248.6	246.9	242.5	237.2	231.0
12.5°	279.5	279.5	277.7	277.7	276.0	272.4	271.5	268.9	264.5	255.7	248.6
15°	306.8	306.8	308.6	306.8	305.0	300.6	300.6	297.1	287.4	280.4	269.8
17.5°	341.2	336.8	339.4	338.5	338.5	335.9	333.3	328.9	320.9	308.6	295.3
20°	376.5	377.3	374.7	377.3	378.2	374.7	374.7	369.4	357.9	343.0	321.8
22.5°	420.5	420.5	415.3	422.3	426.7	424.1	423.2	412.6	398.5	378.2	357.1
25°	466.4	464.6	473.4	475.2	484.9	484.0	483.1	473.4	452.3	427.6	395.0
27.5°	518.4	521.0	537.8	542.2	551.9	551.0	550.1	539.6	516.6	483.1	440.8
30°	582.8	586.3	602.2	617.1	633.9	635.7	633.9	625.1	591.6	547.5	499.9
32.5°	657.7	667.4	683.3	708.8	730.0	739.7	741.5	725.6	687.7	629.5	566.9
35°	760.0	752.0	774.1	816.4	851.7	871.1	870.2	849.0	807.6	733.5	644.5
37.5°	860.5	857.8	892.2	947.8	995.4	1011.2	1015.6	1001.5	948.6	850.8	745.9
40°	965.4	987.4	1027.1	1091.5	1162.0	1195.5	1198.1	1177.9	1105.6	995.4	857.0
42.5°	1102.0	1124.1	1174.3	1253.7	1356.0	1411.5	1415.0	1392.1	1304.8	1162.0	991.0
45°	1274.8	1287.2	1340.1	1460.9	1592.2	1681.3	1706.9	1678.6	1571.1	1372.7	1157.6
47.5°	1460.9	1460.9	1547.3	1706.9	1905.2	2022.5	2041.9	2016.3	1855.8	1616.9	1343.6
50°	1668.1	1668.9	1806.5	2034.8	2285.2	2431.6	2446.5	2384.8	2190.9	1865.5	1533.2
52.5°	1883.2	1906.1	2107.1	2452.7	2788.6	3012.6	3027.5	2956.1	2697.8	2221.7	1735.1
55°	2179.4	2215.6	2507.4	2931.4	3280.6	3456.9	3457.8	3372.3	3061.9	2567.3	1976.6
57.5°	2590.3	2604.4	2876.8	3309.7	3639.4	3760.2	3751.4	3626.2	3268.2	2760.4	2175.0
60°	2929.7	2962.3	3184.5	3586.5	3908.3	3991.2	3981.5	3815.7	3409.3	2873.3	2270.2
62.5°	3152.7	3168.6	3398.7	3784.9	4074.1	4143.7	4133.1	3978.8	3582.1	3069.9	2428.9
65°	3206.5	3233.0	3524.8	3917.1	4197.5	4354.4	4347.4	4264.5	3857.2	3215.3	2503.9
67.5°	3141.3	3185.4	3543.3	4007.9	4345.6	4476.1	4472.6	4305.9	3798.1	3121.9	2409.5
70°	3008.2	3046.1	3490.4	3998.2	4302.4	4337.7	4310.3	4119.9	3624.4	2966.7	2268.5
72.5°	2798.3	2862.7	3296.4	3776.9	4030.9	4053.8	4044.1	3811.3	3363.5	2699.6	2055.1
75°	2523.2	2601.7	2994.9	3383.7	3625.3	3665.0	3646.5	3442.8	2989.6	2365.4	1790.6
77.5°	2175.0	2219.1	2518.8	2888.2	3166.0	3173.0	3162.4	2935.0	2518.0	1981.0	1506.7
80°	1713.9	1740.4	2000.4	2308.1	2538.2	2566.4	2556.8	2403.3	1999.6	1567.6	1175.2
82.5°	1269.6	1251.9	1426.5	1678.6	1907.0	1908.7	1924.6	1754.5	1497.0	1137.3	841.1
85°	730.9	737.9	889.6	1061.5	1199.9	1280.1	1279.3	1197.3	962.7	723.8	513.1
87.5°	203.7	219.5	315.6	459.3	521.9	567.8	551.0	497.2	402.0	227.5	130.5
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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CATALOG NUMBER: MEM2-HSN-VA-110-830-U-WT4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3
2.5°	201.9	201.0	200.1	199.3	197.5	197.5	196.6	197.5	197.5	197.5	197.5
5°	207.2	206.3	203.7	201.9	199.3	197.5	196.6	196.6	196.6	196.6	196.6
7.5°	216.0	215.1	210.7	207.2	203.7	201.9	200.1	199.3	198.4	197.5	198.4
10°	229.2	225.7	221.3	216.0	210.7	208.1	205.4	204.5	203.7	202.8	202.8
12.5°	244.2	241.6	233.6	226.6	221.3	216.9	213.4	211.6	210.7	209.8	209.8
15°	264.5	259.2	248.6	239.8	231.9	226.6	223.1	221.3	220.4	219.5	219.5
17.5°	287.4	280.4	266.3	254.8	246.0	238.9	234.5	231.9	230.1	231.0	231.9
20°	313.9	302.4	286.5	272.4	261.0	253.0	248.6	245.1	243.3	244.2	245.1
22.5°	344.7	332.4	309.5	292.7	278.6	268.9	264.5	261.8	260.1	259.2	257.4
25°	380.0	364.1	337.7	314.7	298.0	288.3	283.0	281.2	279.5	277.7	277.7
27.5°	422.3	403.8	367.6	343.0	322.7	313.0	306.8	304.2	304.2	301.5	301.5
30°	471.7	447.0	402.9	370.3	350.0	337.7	330.6	329.7	328.0	330.6	330.6
32.5°	530.7	497.2	443.5	405.6	382.6	371.2	364.1	362.4	359.7	361.5	366.8
35°	604.8	561.6	497.2	452.3	424.1	412.6	403.8	402.9	398.5	402.9	395.9
37.5°	687.7	640.1	554.6	501.7	470.8	457.6	451.4	448.8	447.9	447.9	442.6
40°	789.1	731.8	627.7	562.5	527.2	511.4	505.2	504.3	502.5	508.7	502.5
42.5°	914.3	827.0	703.5	629.5	593.3	576.6	569.5	566.9	571.3	573.9	573.1
45°	1053.6	959.2	800.5	715.0	673.6	656.8	647.1	644.5	646.2	646.2	655.1
47.5°	1214.0	1102.9	911.6	808.5	770.6	750.3	744.1	735.3	730.9	729.1	744.1
50°	1381.5	1243.1	1025.3	909.9	875.5	859.6	861.4	843.7	837.6	830.5	828.7
52.5°	1549.9	1393.0	1154.9	1050.9	1011.2	1019.2	1015.6	997.1	961.0	952.2	931.0
55°	1751.8	1562.3	1279.3	1154.9	1120.6	1126.7	1140.8	1140.8	1132.9	1113.5	1096.8
57.5°	1922.9	1702.4	1372.7	1217.5	1187.6	1203.4	1231.6	1252.8	1271.3	1285.4	1284.5
60°	2018.1	1788.8	1433.5	1265.2	1229.9	1260.7	1303.1	1339.2	1378.9	1420.3	1418.6
62.5°	2149.4	1909.6	1542.0	1349.8	1289.0	1298.7	1347.1	1409.7	1445.9	1480.3	1490.0
65°	2183.8	1931.7	1582.5	1409.7	1360.4	1362.1	1394.8	1445.9	1476.7	1485.6	1490.9
67.5°	*2091.2*	*1834.7*	*1515.5*	*1374.5*	*1348.0*	*1372.7*	*1425.6*	*1466.2*	*1470.6*	*1449.4*	*1447.7*
70°	1951.9	1715.7	1409.7	1291.6	1274.8	1312.8	1382.4	1430.9	1420.3	1377.1	1374.5
72.5°	1755.3	1535.8	1267.8	1182.3	1165.5	1213.1	1274.8	1326.0	1310.1	1277.5	1274.8
75°	1519.1	1313.6	1095.9	1032.4	1031.5	1083.5	1137.3	1168.2	1167.3	1144.4	1137.3
77.5°	1262.5	1095.9	902.8	845.5	866.7	916.0	955.7	978.6	970.7	962.7	960.1
80°	988.3	840.2	696.5	662.1	694.7	711.5	753.8	752.0	756.4	739.7	752.0
82.5°	703.5	605.7	499.0	484.0	488.4	521.9	544.9	542.2	530.7	518.4	513.1
85°	426.7	372.9	320.0	298.9	313.9	311.2	325.3	313.9	306.8	300.6	305.9
87.5°	118.1	102.3	97.9	70.5	87.3	68.8	72.3	50.3	44.1	52.9	45.8
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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2407-176-7

Test Date: 09/27/2024

Luminaire Tested: MEM2-HTN-VA-30-830-U-WQ

Data in this report applies to families of products including MEM2-HTN-VA-30-830-U-WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

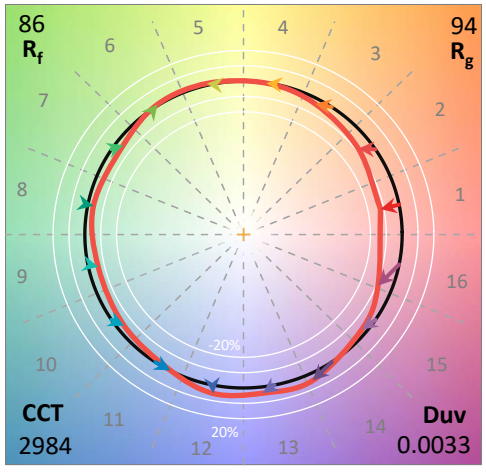
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-176-7
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-30-830-U-WQ**
Description:	EPIC MODERN VISUAL COMFORT 30W WAVESTREAM WIDE

Spectral Parameters

CCT (K):	2984	CRI (Ra):	81.8		
CIE u':	0.2500	R1:	79.4	R9:	-1.1
CIE v':	0.5264	R2:	89.9	R10:	78.4
Duv:	0.0033	R3:	96.6	R11:	80.8
CIE x:	0.4431	R4:	80.6	R12:	72.8
CIE y:	0.4147	R5:	80.1	R13:	81.7
CIE z:	0.1422	R6:	88.9	R14:	98.5
Peak Wavelength (nm):	601	R7:	82.6	R15:	70.2
Dominant Wavelength (nm):	581	R8:	56.0		
Purity:	57.4798				

Rf:	85.8
Rg:	94.1



Test Conditions

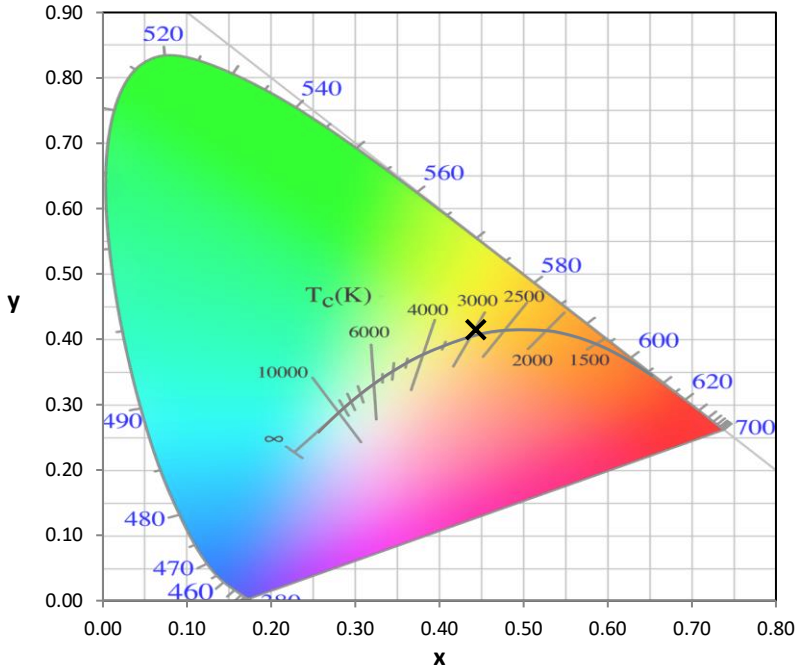
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-176-7

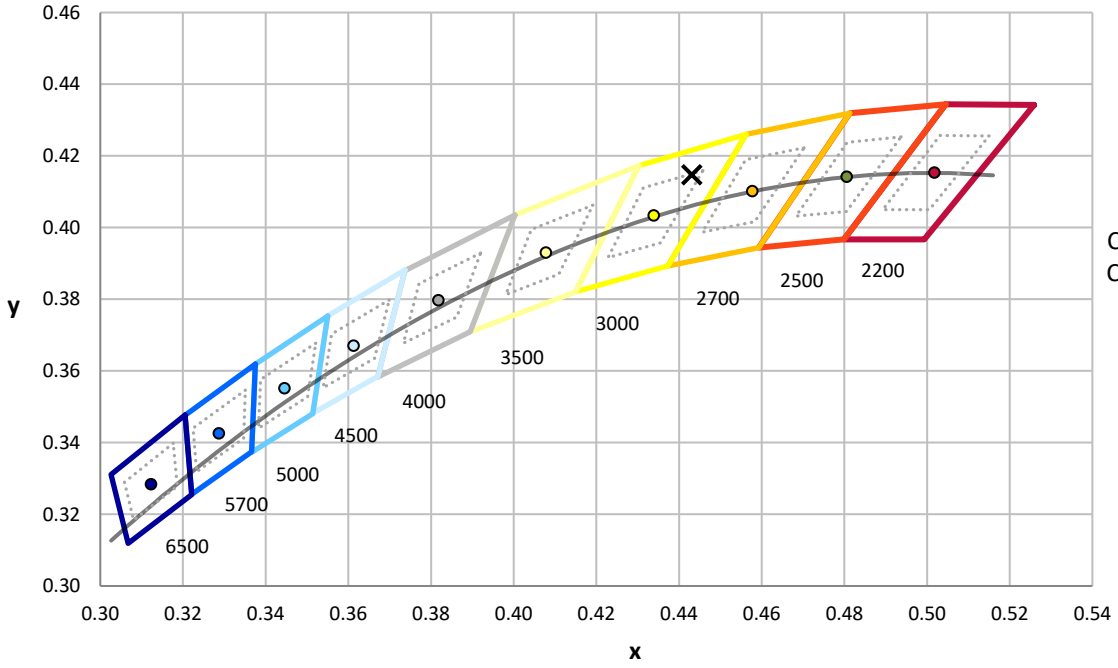
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-176-7

CIE 1931 Chromaticity Diagram



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

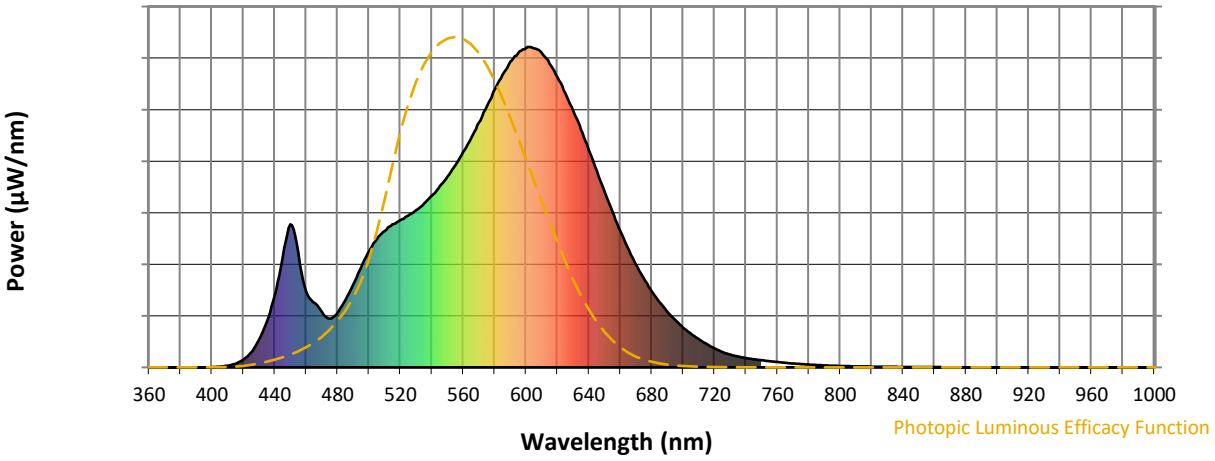


CCT = 2984K
CIE x = 0.4431
CIE y = 0.4147
Duv = 0.0033

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-176-7

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	260	NR	620	905	NR	750	22	NR	880	0	NR
365	0	NR	495	312	NR	625	856	NR	755	19	NR	885	0	NR
370	0	NR	500	362	NR	630	801	NR	760	17	NR	890	0	NR
375	0	NR	505	399	NR	635	742	NR	765	14	NR	895	0	NR
380	0	NR	510	425	NR	640	677	NR	770	12	NR	900	0	NR
385	0	NR	515	446	NR	645	613	NR	775	10	NR	905	0	NR
390	0	NR	520	459	NR	650	549	NR	780	9	NR	910	0	NR
395	0	NR	525	473	NR	655	485	NR	785	7	NR	915	0	NR
400	1	NR	530	490	NR	660	425	NR	790	6	NR	920	0	NR
405	2	NR	535	511	NR	665	371	NR	795	5	NR	925	0	NR
410	5	NR	540	535	NR	670	321	NR	800	4	NR	930	0	NR
415	11	NR	545	565	NR	675	276	NR	805	4	NR	935	0	NR
420	24	NR	550	595	NR	680	238	NR	810	3	NR	940	0	NR
425	47	NR	555	631	NR	685	203	NR	815	3	NR	945	0	NR
430	86	NR	560	672	NR	690	174	NR	820	2	NR	950	0	NR
435	144	NR	565	715	NR	695	148	NR	825	2	NR	955	0	NR
440	224	NR	570	763	NR	700	124	NR	830	2	NR	960	0	NR
445	342	NR	575	814	NR	705	105	NR	835	2	NR	965	0	NR
450	446	NR	580	866	NR	710	88	NR	840	1	NR	970	0	NR
455	357	NR	585	912	NR	715	73	NR	845	1	NR	975	0	NR
460	237	NR	590	954	NR	720	59	NR	850	1	NR	980	0	NR
465	202	NR	595	981	NR	725	48	NR	855	1	NR	985	0	NR
470	172	NR	600	996	NR	730	40	NR	860	1	NR	990	0	NR
475	152	NR	605	996	NR	735	34	NR	865	1	NR	995	0	NR
480	171	NR	610	980	NR	740	29	NR	870	0	NR	1000	0	NR
485	210	NR	615	947	NR	745	25	NR	875	0	NR			

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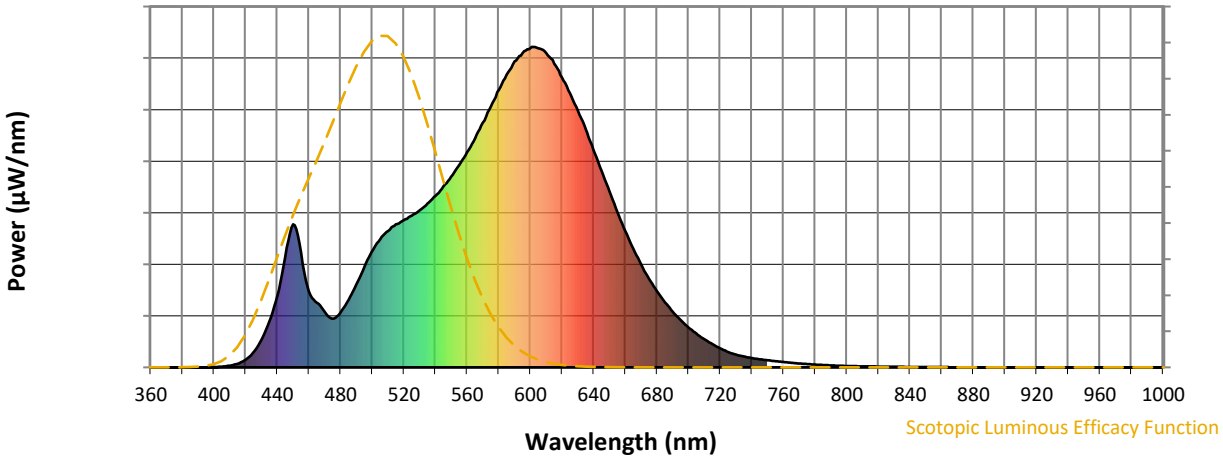
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.32**

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	260	NR	620	905	NR	750	22	NR	880	0	NR
365	0	NR	495	312	NR	625	856	NR	755	19	NR	885	0	NR
370	0	NR	500	362	NR	630	801	NR	760	17	NR	890	0	NR
375	0	NR	505	399	NR	635	742	NR	765	14	NR	895	0	NR
380	0	NR	510	425	NR	640	677	NR	770	12	NR	900	0	NR
385	0	NR	515	446	NR	645	613	NR	775	10	NR	905	0	NR
390	0	NR	520	459	NR	650	549	NR	780	9	NR	910	0	NR
395	0	NR	525	473	NR	655	485	NR	785	7	NR	915	0	NR
400	1	NR	530	490	NR	660	425	NR	790	6	NR	920	0	NR
405	2	NR	535	511	NR	665	371	NR	795	5	NR	925	0	NR
410	5	NR	540	535	NR	670	321	NR	800	4	NR	930	0	NR
415	11	NR	545	565	NR	675	276	NR	805	4	NR	935	0	NR
420	24	NR	550	595	NR	680	238	NR	810	3	NR	940	0	NR
425	47	NR	555	631	NR	685	203	NR	815	3	NR	945	0	NR
430	86	NR	560	672	NR	690	174	NR	820	2	NR	950	0	NR
435	144	NR	565	715	NR	695	148	NR	825	2	NR	955	0	NR
440	224	NR	570	763	NR	700	124	NR	830	2	NR	960	0	NR
445	342	NR	575	814	NR	705	105	NR	835	2	NR	965	0	NR
450	446	NR	580	866	NR	710	88	NR	840	1	NR	970	0	NR
455	357	NR	585	912	NR	715	73	NR	845	1	NR	975	0	NR
460	237	NR	590	954	NR	720	59	NR	850	1	NR	980	0	NR
465	202	NR	595	981	NR	725	48	NR	855	1	NR	985	0	NR
470	172	NR	600	996	NR	730	40	NR	860	1	NR	990	0	NR
475	152	NR	605	996	NR	735	34	NR	865	1	NR	995	0	NR
480	171	NR	610	980	NR	740	29	NR	870	0	NR	1000	0	NR
485	210	NR	615	947	NR	745	25	NR	875	0	NR			

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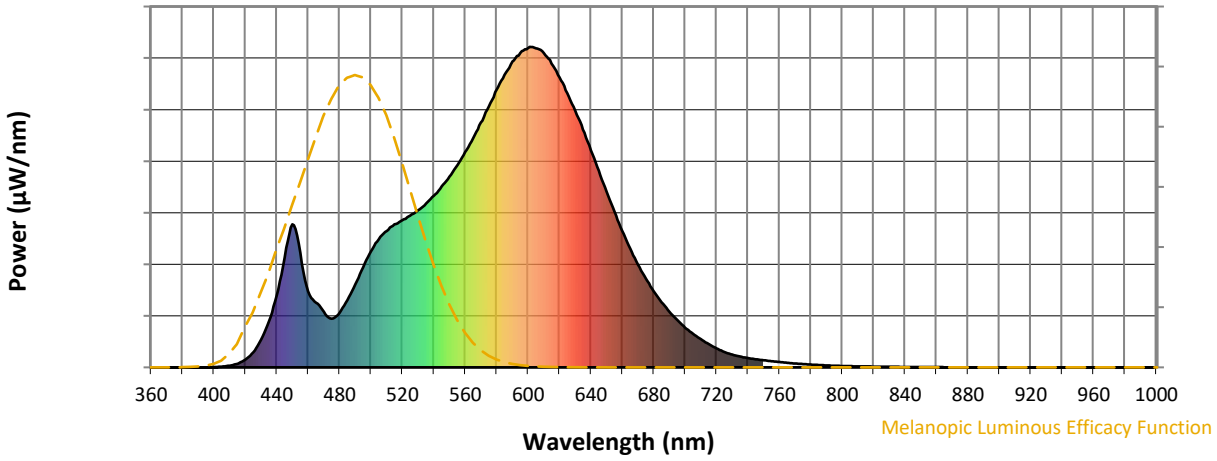
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.51**

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	260	NR	620	905	NR	750	22	NR	880	0	NR
365	0	NR	495	312	NR	625	856	NR	755	19	NR	885	0	NR
370	0	NR	500	362	NR	630	801	NR	760	17	NR	890	0	NR
375	0	NR	505	399	NR	635	742	NR	765	14	NR	895	0	NR
380	0	NR	510	425	NR	640	677	NR	770	12	NR	900	0	NR
385	0	NR	515	446	NR	645	613	NR	775	10	NR	905	0	NR
390	0	NR	520	459	NR	650	549	NR	780	9	NR	910	0	NR
395	0	NR	525	473	NR	655	485	NR	785	7	NR	915	0	NR
400	1	NR	530	490	NR	660	425	NR	790	6	NR	920	0	NR
405	2	NR	535	511	NR	665	371	NR	795	5	NR	925	0	NR
410	5	NR	540	535	NR	670	321	NR	800	4	NR	930	0	NR
415	11	NR	545	565	NR	675	276	NR	805	4	NR	935	0	NR
420	24	NR	550	595	NR	680	238	NR	810	3	NR	940	0	NR
425	47	NR	555	631	NR	685	203	NR	815	3	NR	945	0	NR
430	86	NR	560	672	NR	690	174	NR	820	2	NR	950	0	NR
435	144	NR	565	715	NR	695	148	NR	825	2	NR	955	0	NR
440	224	NR	570	763	NR	700	124	NR	830	2	NR	960	0	NR
445	342	NR	575	814	NR	705	105	NR	835	2	NR	965	0	NR
450	446	NR	580	866	NR	710	88	NR	840	1	NR	970	0	NR
455	357	NR	585	912	NR	715	73	NR	845	1	NR	975	0	NR
460	237	NR	590	954	NR	720	59	NR	850	1	NR	980	0	NR
465	202	NR	595	981	NR	725	48	NR	855	1	NR	985	0	NR
470	172	NR	600	996	NR	730	40	NR	860	1	NR	990	0	NR
475	152	NR	605	996	NR	735	34	NR	865	1	NR	995	0	NR
480	171	NR	610	980	NR	740	29	NR	870	0	NR	1000	0	NR
485	210	NR	615	947	NR	745	25	NR	875	0	NR			

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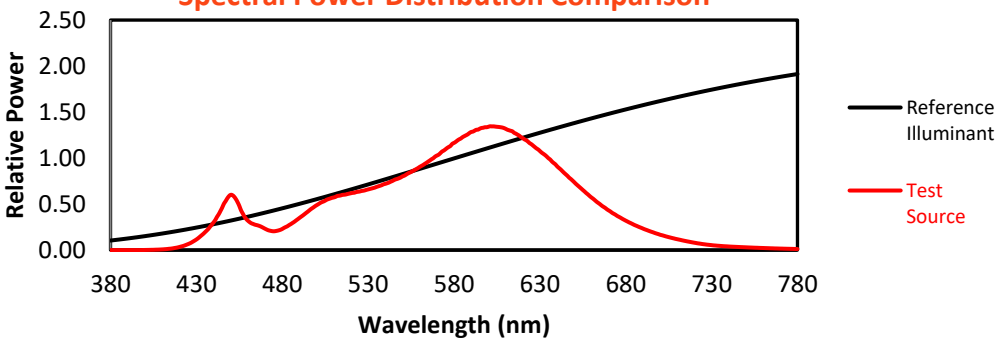
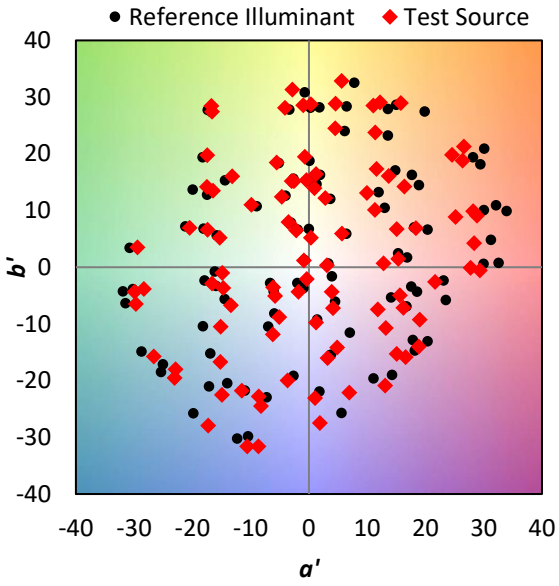
Summary

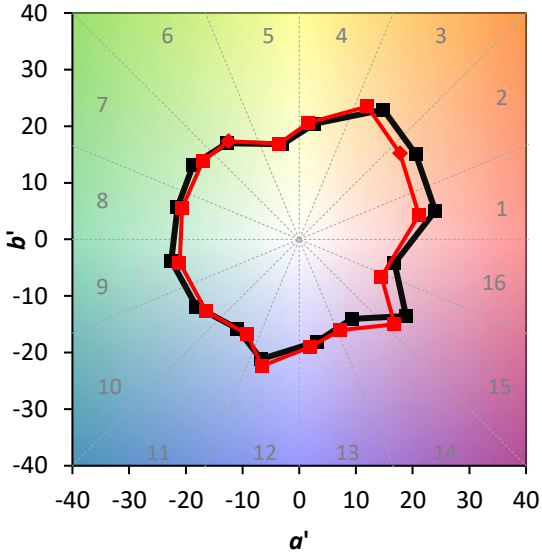
R_f = 85.8
R_g = 94.1
CIE R_a = 81.8
R_9 = -1.1

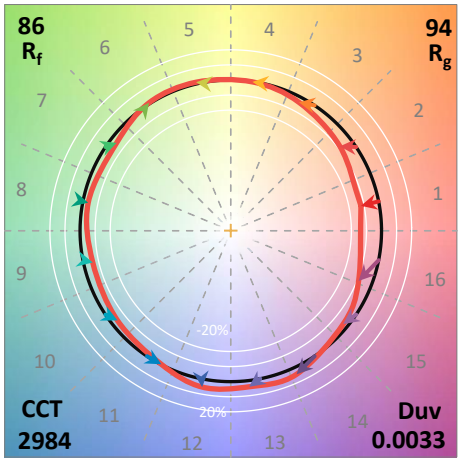
Spectral Power Distribution Comparison

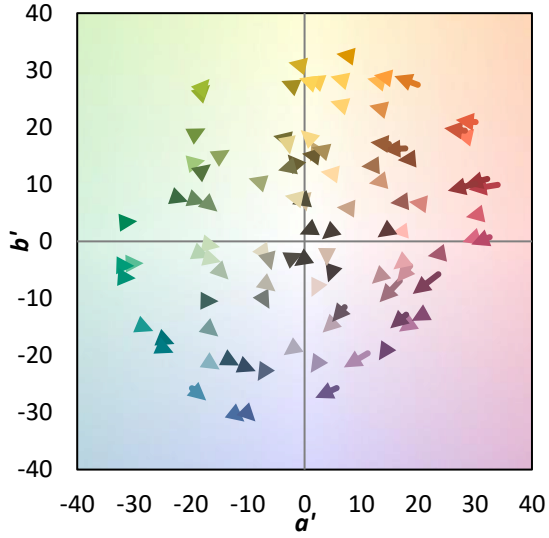


Color Vector Graphics









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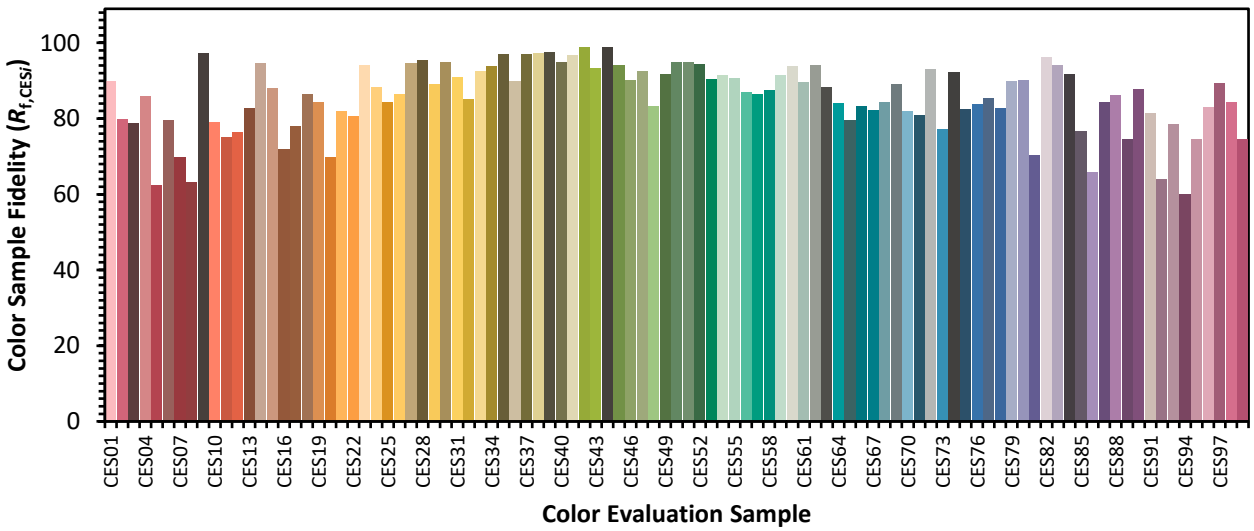
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 86	CES51 = 95	CES76 = 84
CES02 = 63	CES27 = 95	CES52 = 94	CES77 = 86
CES03 = 31	CES28 = 95	CES53 = 90	CES78 = 83
CES04 = 70	CES29 = 89	CES54 = 91	CES79 = 90
CES05 = 50	CES30 = 95	CES55 = 91	CES80 = 90
CES06 = 51	CES31 = 91	CES56 = 87	CES81 = 70
CES07 = 42	CES32 = 85	CES57 = 86	CES82 = 96
CES08 = 41	CES33 = 93	CES58 = 87	CES83 = 94
CES09 = 29	CES34 = 94	CES59 = 92	CES84 = 92
CES10 = 76	CES35 = 97	CES60 = 94	CES85 = 77
CES11 = 59	CES36 = 90	CES61 = 90	CES86 = 66
CES12 = 65	CES37 = 97	CES62 = 94	CES87 = 84
CES13 = 43	CES38 = 97	CES63 = 88	CES88 = 86
CES14 = 74	CES39 = 98	CES64 = 84	CES89 = 75
CES15 = 72	CES40 = 95	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 83	CES91 = 81
CES17 = 50	CES42 = 99	CES67 = 82	CES92 = 64
CES18 = 56	CES43 = 93	CES68 = 84	CES93 = 79
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 60
CES20 = 67	CES45 = 94	CES70 = 82	CES95 = 74
CES21 = 87	CES46 = 90	CES71 = 81	CES96 = 83
CES22 = 79	CES47 = 93	CES72 = 93	CES97 = 89
CES23 = 92	CES48 = 83	CES73 = 77	CES98 = 84
CES24 = 91	CES49 = 92	CES74 = 92	CES99 = 75
CES25 = 72	CES50 = 95	CES75 = 83	



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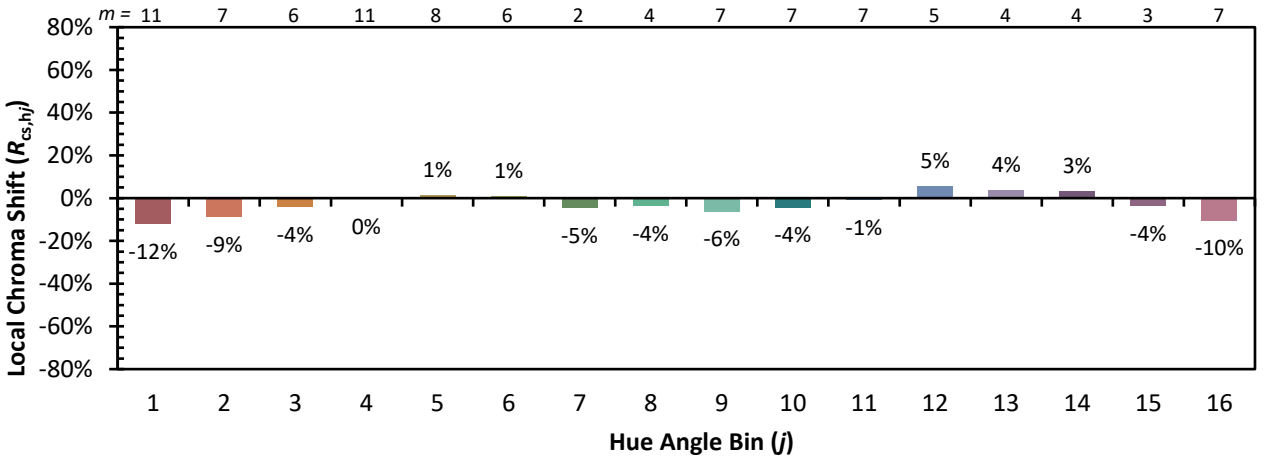
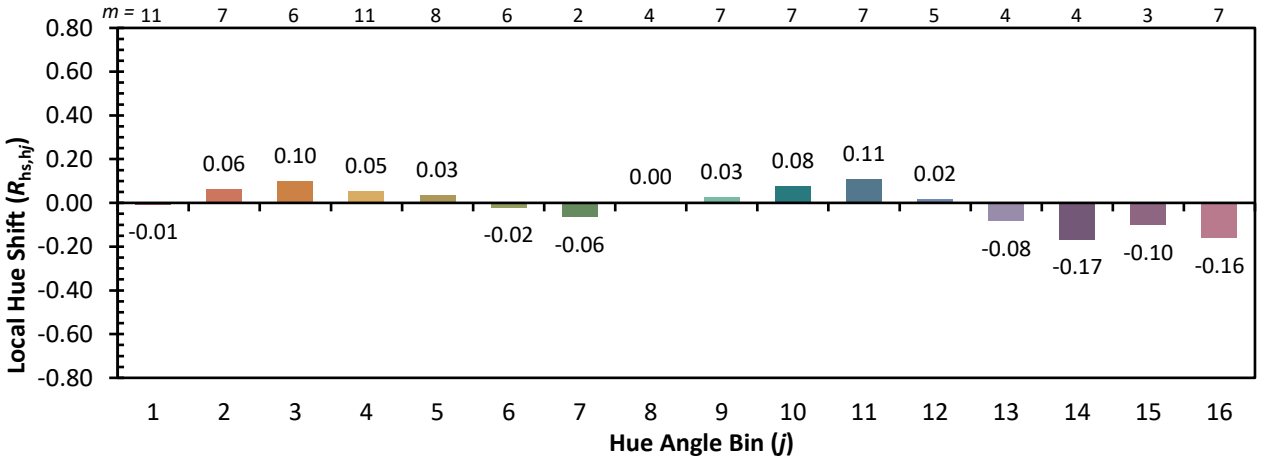
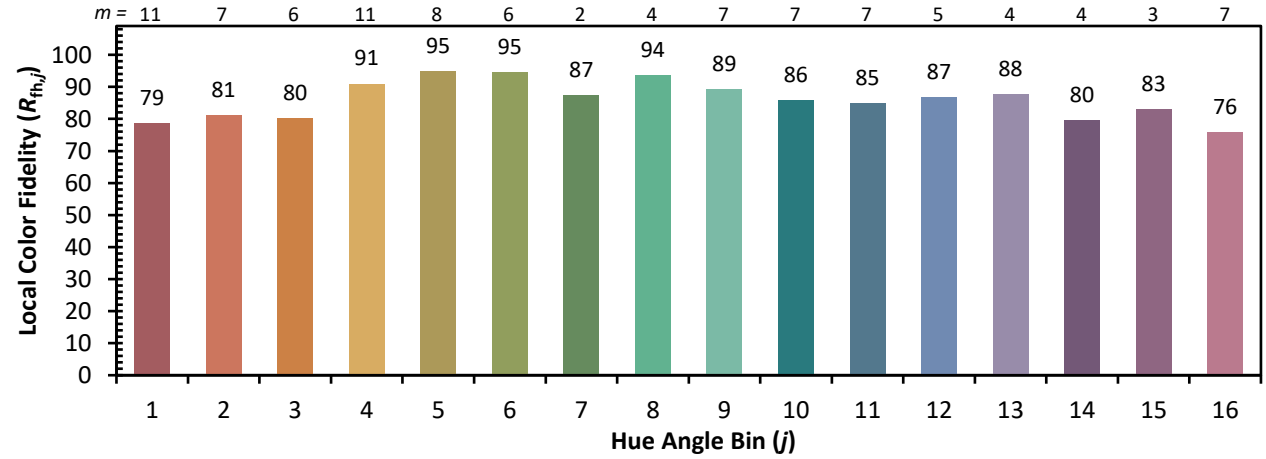
Color Rendition by Hue-Angle Bin







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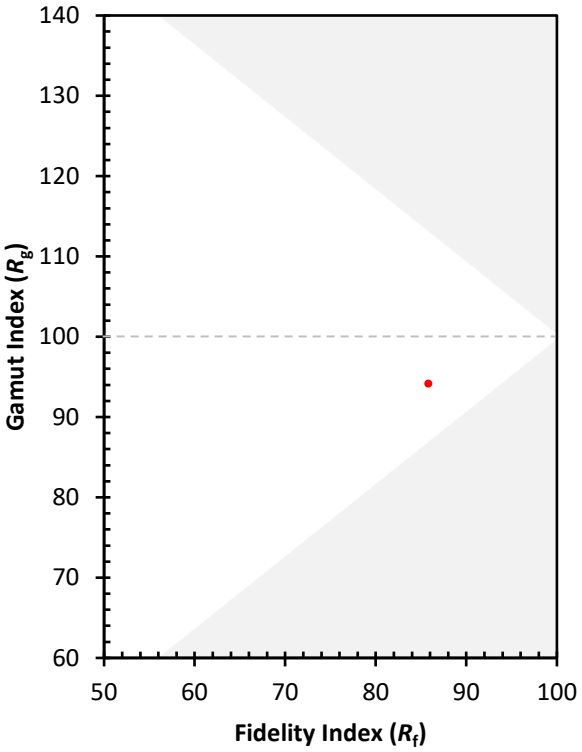
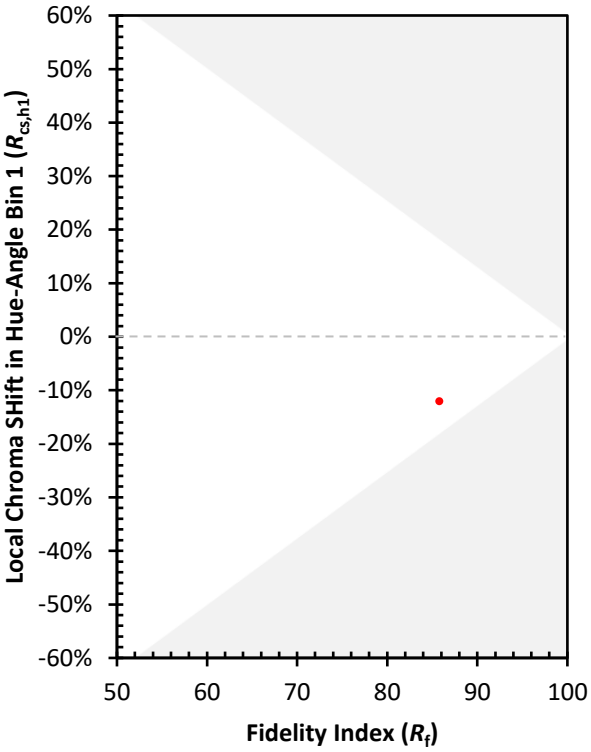
Measure Comparisons





(END OF REPORT)