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: P879919

Luminaire Tested: **MEM2-HSN-VA-110-750-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:	P879919
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	10/01/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HSN-VA-110-750-U-WT4
Description:	EPIC MODERN SHORT HOUSING 100W 70CRI 5000K VISUAL COMFORT FIXTURE w/ DRIVE LANE TYPE IV DISTRIBUTION OPTIC
Light Source:	(1) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9695.5 lumens
Efficiency:	N/A
Efficacy:	91.5 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: P879919
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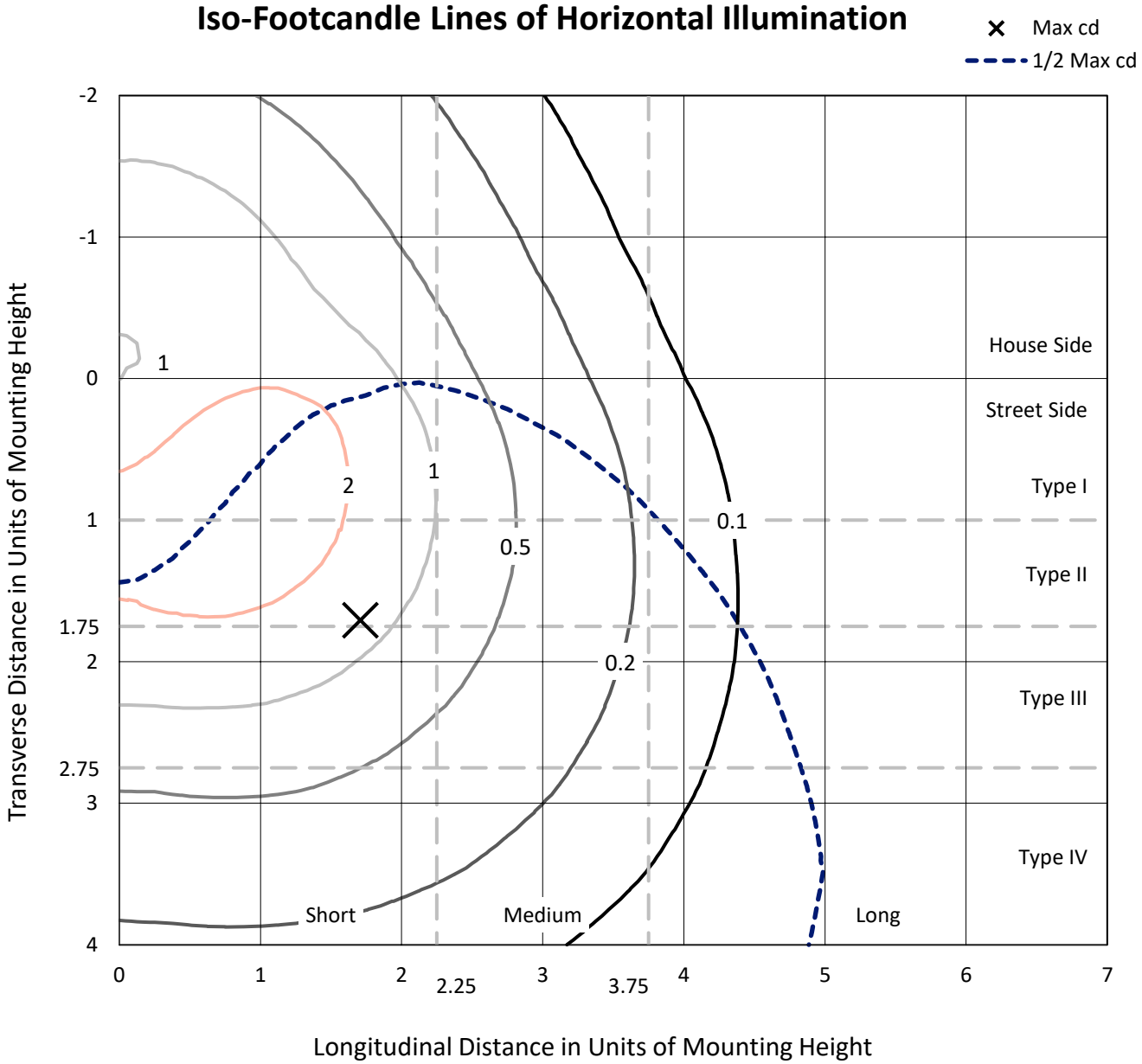
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
Type IV - Short - N/A

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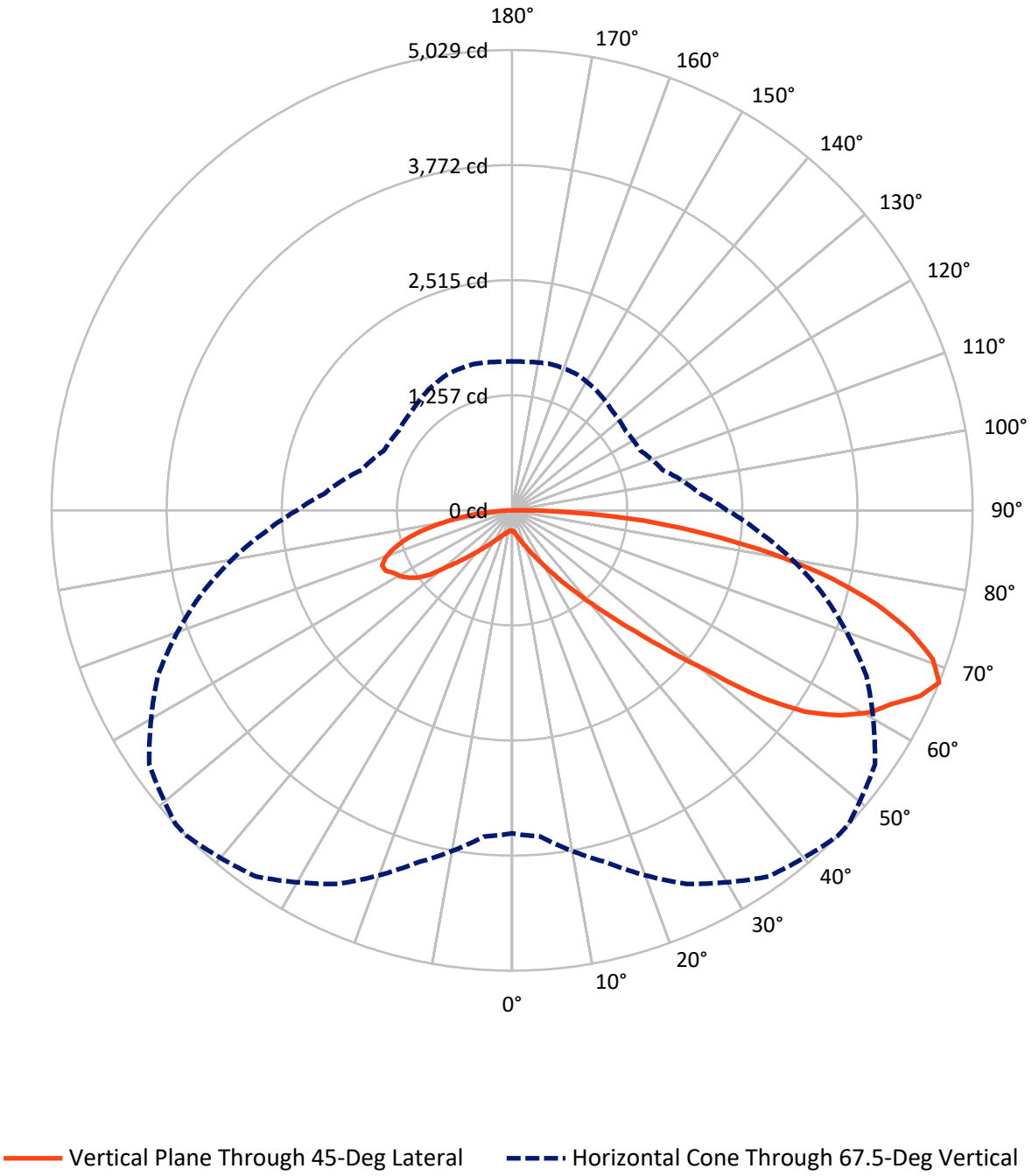
Luminous Intensity Polar Plot



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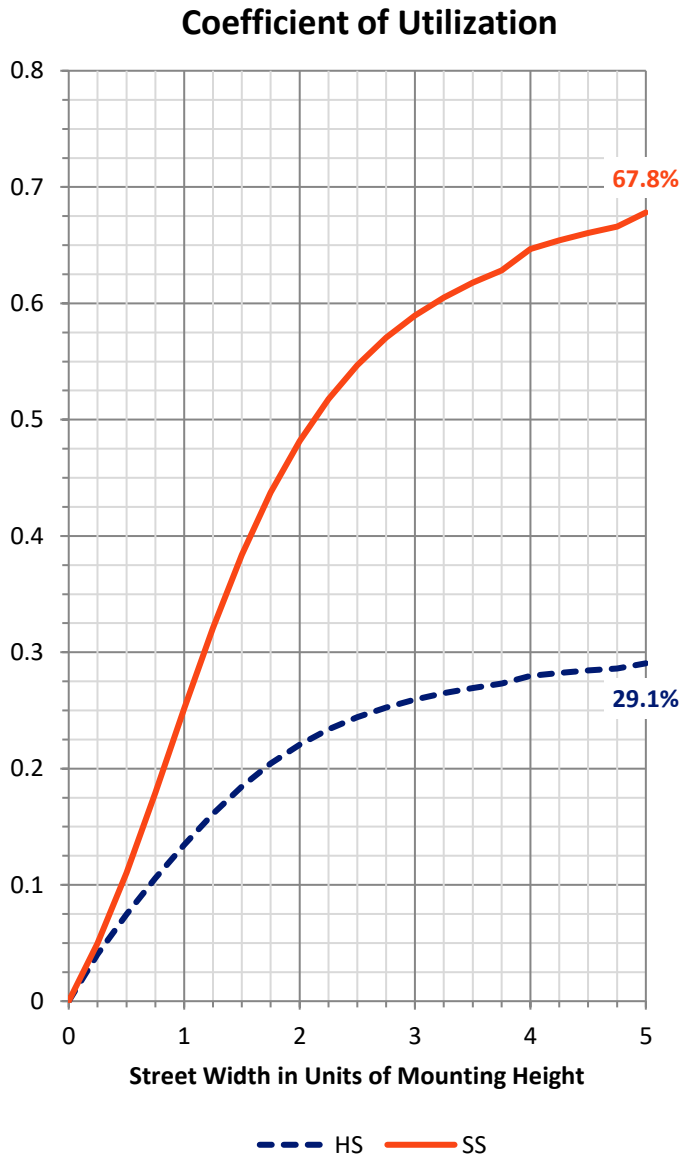
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2873.4	0.0	2873.4
	% Fixture	29.6	0.0	29.6
Street Side	Lumens	6822.1	0.0	6822.1
	% Fixture	70.4	0.0	70.4
Total	Lumens	9695.5	0.0	9695.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.0	0.2
10°-20°	86.3	0.9
20°-30°	203.2	2.1
30°-40°	445.6	4.6
40°-50°	970.2	10.0
50°-60°	1993.4	20.6
60°-70°	2808.4	29.0
70°-80°	2384.2	24.6
80°-90°	781.4	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°	9695.5	100.0
0°-180°	9695.5	100.0



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REPORT NUMBER: P879919
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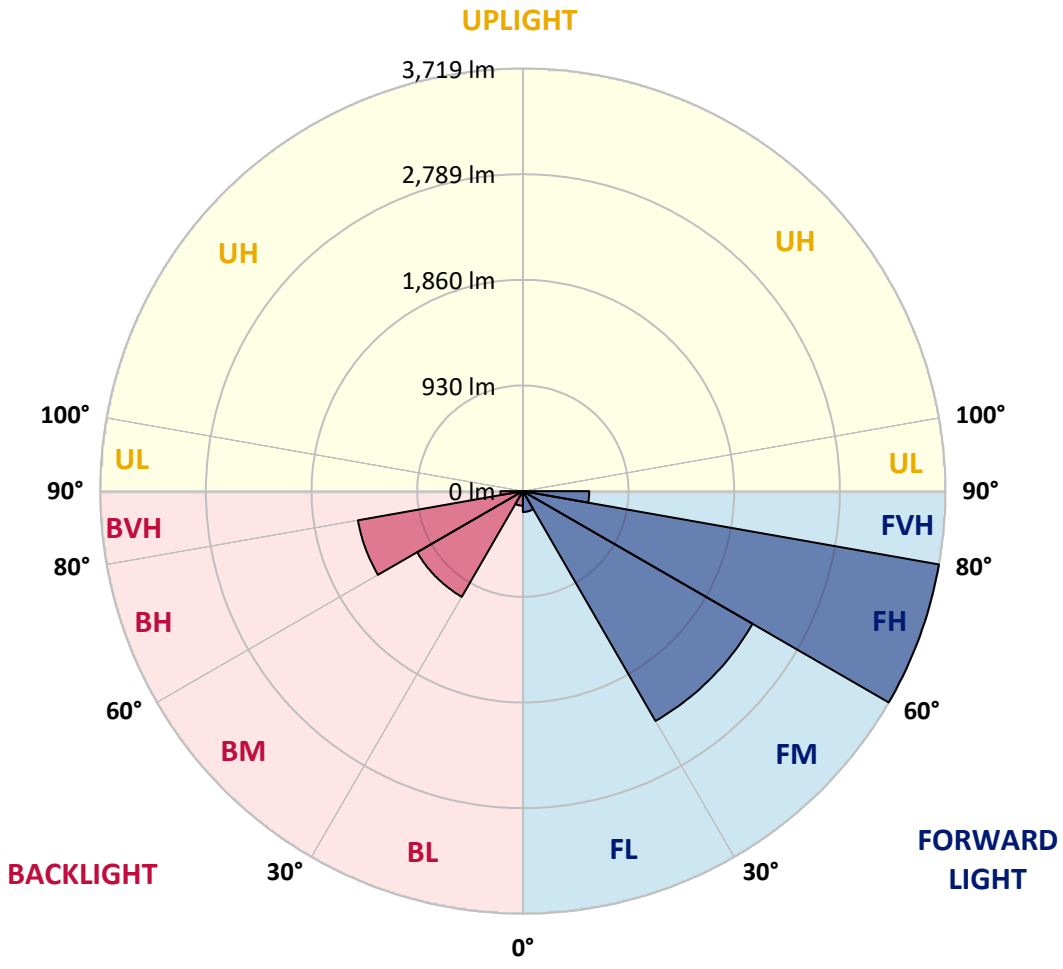
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	183.5	1.9			
FM	(30°-60°)	2335.2	24.1			
FH	(60°-80°)	3719.2	38.4			G2/5000
FVH	(80°-90°)	584.3	6.0			G4/750
BL	(0°-30°)	129.0	1.3	B1/500		
BM	(30°-60°)	1074.0	11.1	B2/2500		
BH	(60°-80°)	1473.4	15.2	B3/2500		G3/2500
BVH	(80°-90°)	197.1	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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Scaled Data Report

REPORT NUMBER: P879919
CATALOG NUMBER: MEM2-HSN-VA-110-750-U-WT4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	223.9	223.9	223.9	223.9	223.9	*223.9*	223.9	223.9	223.9	223.9	223.9
2.5°	230.8	229.8	230.8	230.8	230.8	*229.8*	229.8	229.8	228.8	227.8	226.8
5°	244.7	244.7	244.7	243.7	243.7	*241.7*	241.7	240.7	238.7	236.8	234.8
7.5°	263.5	262.5	262.5	261.5	260.5	*258.5*	257.6	256.6	252.6	249.6	245.7
10°	286.3	286.3	285.3	283.3	283.3	*278.4*	279.4	277.4	272.4	266.5	259.5
12.5°	314.0	314.0	312.0	312.0	310.1	*306.1*	305.1	302.1	297.2	287.3	279.4
15°	344.7	344.7	346.7	344.7	342.7	*337.8*	337.8	333.8	322.9	315.0	303.1
17.5°	383.4	378.4	381.4	380.4	380.4	*377.4*	374.4	369.5	360.6	346.7	331.9
20°	423.0	424.0	421.0	424.0	425.0	*421.0*	421.0	415.1	402.2	385.3	361.6
22.5°	472.5	472.5	466.6	474.5	479.5	*476.5*	475.5	463.6	447.8	425.0	401.2
25°	524.0	522.0	532.0	533.9	544.8	*543.8*	542.9	532.0	508.2	480.4	443.8
27.5°	582.5	585.4	604.3	609.2	620.1	*619.1*	618.1	606.3	580.5	542.9	495.3
30°	654.8	658.8	676.6	693.4	712.2	*714.2*	712.2	702.3	664.7	615.2	561.7
32.5°	739.0	749.9	767.7	796.4	820.2	*831.1*	833.1	815.3	772.7	707.3	637.0
35°	853.9	845.0	869.8	917.3	956.9	*978.7*	977.7	954.0	907.4	824.2	724.1
37.5°	966.8	963.9	1002.5	1064.9	1118.4	*1136.2*	1141.2	1125.3	1065.9	955.9	838.1
40°	1084.7	1109.5	1154.1	1226.4	1305.6	*1343.3*	1346.2	1323.4	1242.2	1118.4	962.9
42.5°	1238.3	1263.0	1319.5	1408.6	1523.6	*1586.0*	1589.9	1564.2	1466.1	1305.6	1113.4
45°	1432.4	1446.3	1505.7	1641.4	1789.0	*1889.1*	1917.8	1886.1	1765.3	1542.4	1300.7
47.5°	1641.4	1641.4	1738.5	1917.8	2140.7	*2272.4*	2294.2	2265.5	2085.2	1816.8	1509.7
50°	1874.2	1875.2	2029.7	2286.3	2567.6	*2732.1*	2748.9	2679.6	2461.7	2096.1	1722.7
52.5°	2115.9	2141.7	2367.5	2755.9	3133.3	*3384.9*	3401.7	3321.5	3031.3	2496.3	1949.5
55°	2448.8	2489.4	2817.3	3293.8	3686.0	*3884.2*	3885.2	3789.1	3440.4	2884.6	2220.9
57.5°	2910.4	2926.2	3232.3	3718.7	4089.2	*4224.9*	4215.0	4074.4	3672.2	3101.6	2443.8
60°	3291.8	3328.4	3578.1	4029.8	4391.4	*4484.5*	4473.6	4287.3	3830.7	3228.4	2550.8
62.5°	3542.4	3560.2	3818.8	4252.7	4577.6	*4655.8*	4644.0	4470.6	4024.8	3449.3	2729.1
65°	3602.8	3632.5	3960.4	4401.3	4716.3	*4892.6*	4884.7	4791.6	4333.9	3612.7	2813.3
67.5°	*3529.5*	*3579.1*	*3981.2*	*4503.3*	*4882.7*	*5029.3*	*5025.3*	*4838.1*	*4267.5*	*3507.7*	*2707.3*
70°	3379.9	3422.5	3921.8	4492.4	4834.2	*4873.8*	4843.1	4629.1	4072.4	3333.4	2548.8
72.5°	3144.2	3216.5	3703.9	4243.8	4529.0	*4554.8*	4543.9	4282.4	3779.2	3033.2	2309.1
75°	2835.1	2923.3	3365.1	3801.9	4073.4	*4117.9*	4097.1	3868.3	3359.1	2657.8	2011.9
77.5°	2443.8	2493.4	2830.2	3245.2	3557.3	*3565.2*	3553.3	3297.7	2829.2	2225.9	1692.9
80°	1925.7	1955.5	2247.7	2593.4	2852.0	*2883.7*	2872.8	2700.4	2246.7	1761.3	1320.5
82.5°	1426.5	1406.7	1602.8	1886.1	2142.7	*2144.7*	2162.5	1971.3	1682.0	1277.9	945.0
85°	821.2	829.1	999.5	1192.7	1348.2	*1438.4*	1437.4	1345.2	1081.7	813.3	576.5
87.5°	228.8	246.7	354.6	516.1	586.4	*637.9*	619.1	558.7	451.7	255.6	146.6
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: P879919
CATALOG NUMBER: MEM2-HSN-VA-110-750-U-WT4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9
2.5°	226.8	225.9	224.9	223.9	221.9	221.9	220.9	221.9	221.9	221.9	221.9
5°	232.8	231.8	228.8	226.8	223.9	221.9	220.9	220.9	220.9	220.9	220.9
7.5°	242.7	241.7	236.8	232.8	228.8	226.8	224.9	223.9	222.9	221.9	222.9
10°	257.6	253.6	248.6	242.7	236.8	233.8	230.8	229.8	228.8	227.8	227.8
12.5°	274.4	271.4	262.5	254.6	248.6	243.7	239.7	237.7	236.8	235.8	235.8
15°	297.2	291.2	279.4	269.4	260.5	254.6	250.6	248.6	247.7	246.7	246.7
17.5°	322.9	315.0	299.2	286.3	276.4	268.5	263.5	260.5	258.5	259.5	260.5
20°	352.7	339.8	321.9	306.1	293.2	284.3	279.4	275.4	273.4	274.4	275.4
22.5°	387.3	373.5	347.7	328.9	313.0	302.1	297.2	294.2	292.2	291.2	289.3
25°	427.0	409.1	379.4	353.6	334.8	323.9	318.0	316.0	314.0	312.0	312.0
27.5°	474.5	453.7	413.1	385.3	362.6	351.7	344.7	341.8	341.8	338.8	338.8
30°	530.0	502.2	452.7	416.1	393.3	379.4	371.5	370.5	368.5	371.5	371.5
32.5°	596.3	558.7	498.3	455.7	429.9	417.0	409.1	407.1	404.2	406.1	412.1
35°	679.6	631.0	558.7	508.2	476.5	463.6	453.7	452.7	447.8	452.7	444.8
37.5°	772.7	719.2	623.1	563.7	529.0	514.1	507.2	504.2	503.2	503.2	497.3
40°	886.6	822.2	705.3	632.0	592.4	574.6	567.6	566.6	564.6	571.6	564.6
42.5°	1027.3	929.2	790.5	707.3	666.7	647.9	639.9	637.0	641.9	644.9	643.9
45°	1183.8	1077.8	899.5	803.4	756.8	738.0	727.1	724.1	726.1	726.1	736.0
47.5°	1364.1	1239.2	1024.3	908.4	865.8	843.0	836.1	826.2	821.2	819.2	836.1
50°	1552.3	1396.8	1152.1	1022.3	983.7	965.8	967.8	948.0	941.1	933.1	931.2
52.5°	1741.5	1565.2	1297.7	1180.8	1136.2	1145.1	1141.2	1120.4	1079.8	1069.9	1046.1
55°	1968.3	1755.4	1437.4	1297.7	1259.1	1266.0	1281.8	1281.8	1272.9	1251.1	1232.3
57.5°	2160.5	1912.9	1542.4	1368.0	1334.3	1352.2	1383.9	1407.6	1428.5	1444.3	1443.3
60°	2267.5	2009.9	1610.7	1421.5	1381.9	1416.6	1464.1	1504.7	1549.3	1595.9	1593.9
62.5°	2415.1	2145.7	1732.6	1516.6	1448.3	1459.2	1513.6	1584.0	1624.6	1663.2	1674.1
65°	2453.7	2170.4	1778.1	1584.0	1528.5	1530.5	1567.1	1624.6	1659.3	1669.2	1675.1
67.5°	*2349.7*	*2061.4*	*1702.9*	*1544.4*	*1514.6*	*1542.4*	*1601.8*	*1647.4*	*1652.3*	*1628.6*	*1626.6*
70°	2193.2	1927.7	1584.0	1451.2	1432.4	1475.0	1553.3	1607.8	1595.9	1547.3	1544.4
72.5°	1972.3	1725.6	1424.5	1328.4	1309.6	1363.1	1432.4	1489.9	1472.0	1435.4	1432.4
75°	1706.8	1476.0	1231.3	1160.0	1159.0	1217.5	1277.9	1312.6	1311.6	1285.8	1277.9
77.5°	1418.5	1231.3	1014.4	950.0	973.8	1029.2	1073.8	1099.6	1090.7	1081.7	1078.8
80°	1110.5	944.0	782.6	743.9	780.6	799.4	847.0	845.0	849.9	831.1	845.0
82.5°	790.5	680.5	560.7	543.8	548.8	586.4	612.2	609.2	596.3	582.5	576.5
85°	479.5	419.0	359.6	335.8	352.7	349.7	365.5	352.7	344.7	337.8	343.7
87.5°	132.7	114.9	110.0	79.2	98.1	77.3	81.2	56.5	49.5	59.4	51.5
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: SP1-2407-176-6

Test Date: 09/26/2024

Luminaire Tested: MEM2-HTN-VA-30-750-U-WQ

Data in this report applies to families of products including MEM2-HTN-VA-30-750-U-WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

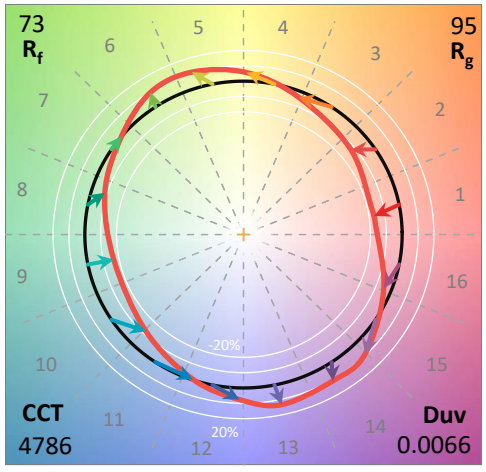
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-176-6
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-30-750-U-WQ**
Description:	EPIC MODERN VISUAL COMFORT 30W WAVESTREAM WIDE

Spectral Parameters

CCT (K):	4786	CRI (Ra):	70.9		
CIE u':	0.2093	R1:	67.8	R9:	-29.8
CIE v':	0.4953	R2:	75.1	R10:	40.9
Duv:	0.0066	R3:	80.6	R11:	67.4
CIE x:	0.3533	R4:	71.6	R12:	35.3
CIE y:	0.3716	R5:	67.8	R13:	68.5
CIE z:	0.2751	R6:	65.4	R14:	89.0
Peak Wavelength (nm):	449	R7:	82.0	R15:	60.9
Dominant Wavelength (nm):	570	R8:	57.0		
Purity:	17.53512				

Rf:	73
Rg:	94.6



Test Conditions

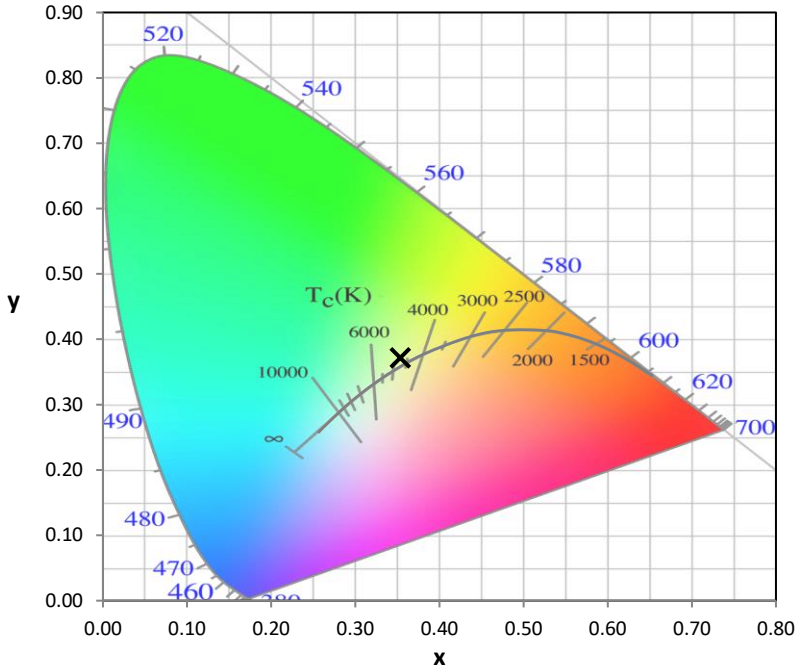
Stabilization Time:	45M
Operation Time:	1H 45M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-176-6

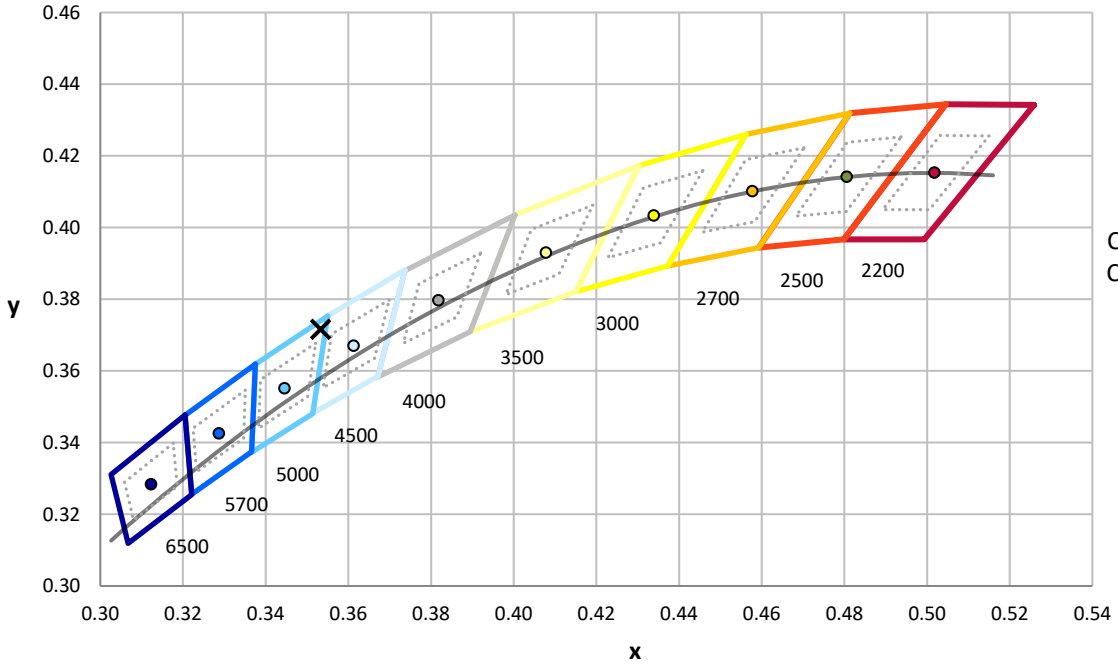
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-176-6

CIE 1931 Chromaticity Diagram



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

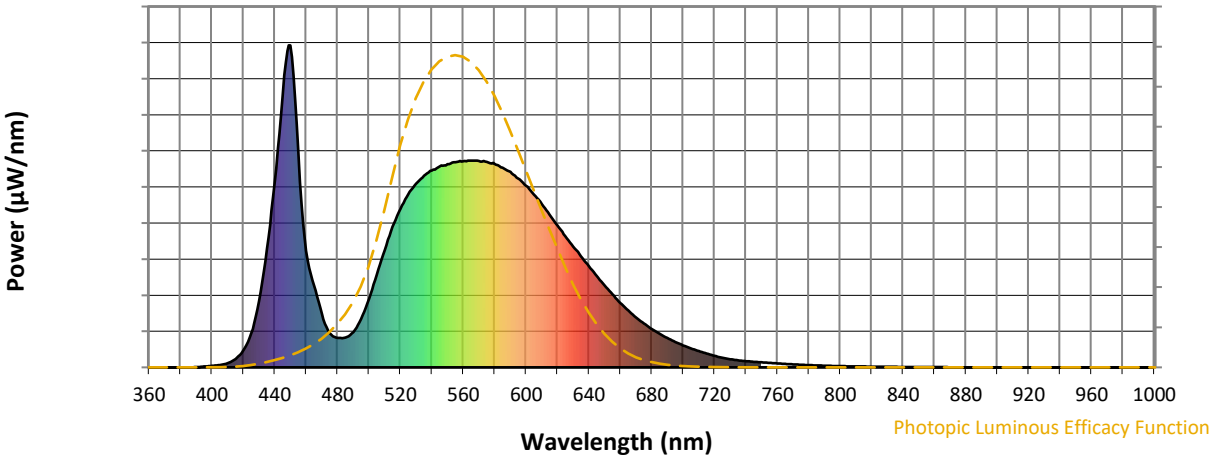


CCT = 4786K
CIE x = 0.3533
CIE y = 0.3716
Duv = 0.0066

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-176-6

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	110	NR	620	440	NR	750	16	NR	880	0	NR
365	0	NR	495	150	NR	625	407	NR	755	14	NR	885	0	NR
370	0	NR	500	213	NR	630	375	NR	760	12	NR	890	0	NR
375	0	NR	505	288	NR	635	345	NR	765	11	NR	895	0	NR
380	0	NR	510	364	NR	640	314	NR	770	9	NR	900	0	NR
385	0	NR	515	436	NR	645	283	NR	775	8	NR	905	0	NR
390	1	NR	520	492	NR	650	254	NR	780	7	NR	910	0	NR
395	3	NR	525	537	NR	655	227	NR	785	6	NR	915	0	NR
400	5	NR	530	570	NR	660	200	NR	790	5	NR	920	0	NR
405	7	NR	535	595	NR	665	177	NR	795	4	NR	925	0	NR
410	13	NR	540	611	NR	670	155	NR	800	4	NR	930	0	NR
415	25	NR	545	624	NR	675	136	NR	805	3	NR	935	0	NR
420	52	NR	550	631	NR	680	119	NR	810	3	NR	940	0	NR
425	106	NR	555	637	NR	685	104	NR	815	3	NR	945	0	NR
430	204	NR	560	640	NR	690	91	NR	820	2	NR	950	0	NR
435	369	NR	565	642	NR	695	79	NR	825	2	NR	955	0	NR
440	573	NR	570	641	NR	700	68	NR	830	2	NR	960	0	NR
445	844	NR	575	638	NR	705	59	NR	835	2	NR	965	0	NR
450	999	NR	580	632	NR	710	50	NR	840	1	NR	970	0	NR
455	668	NR	585	620	NR	715	43	NR	845	1	NR	975	0	NR
460	361	NR	590	607	NR	720	36	NR	850	1	NR	980	0	NR
465	255	NR	595	586	NR	725	30	NR	855	1	NR	985	0	NR
470	165	NR	600	564	NR	730	25	NR	860	1	NR	990	0	NR
475	106	NR	605	537	NR	735	22	NR	865	1	NR	995	0	NR
480	91	NR	610	507	NR	740	19	NR	870	0	NR	1000	0	NR
485	93	NR	615	474	NR	745	17	NR	875	0	NR			

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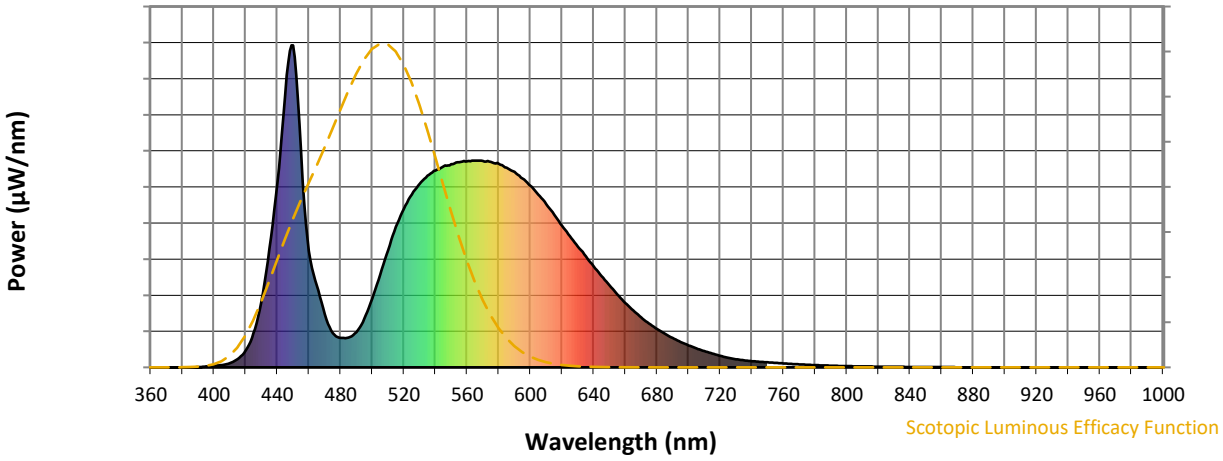
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.69**

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	110	NR	620	440	NR	750	16	NR	880	0	NR
365	0	NR	495	150	NR	625	407	NR	755	14	NR	885	0	NR
370	0	NR	500	213	NR	630	375	NR	760	12	NR	890	0	NR
375	0	NR	505	288	NR	635	345	NR	765	11	NR	895	0	NR
380	0	NR	510	364	NR	640	314	NR	770	9	NR	900	0	NR
385	0	NR	515	436	NR	645	283	NR	775	8	NR	905	0	NR
390	1	NR	520	492	NR	650	254	NR	780	7	NR	910	0	NR
395	3	NR	525	537	NR	655	227	NR	785	6	NR	915	0	NR
400	5	NR	530	570	NR	660	200	NR	790	5	NR	920	0	NR
405	7	NR	535	595	NR	665	177	NR	795	4	NR	925	0	NR
410	13	NR	540	611	NR	670	155	NR	800	4	NR	930	0	NR
415	25	NR	545	624	NR	675	136	NR	805	3	NR	935	0	NR
420	52	NR	550	631	NR	680	119	NR	810	3	NR	940	0	NR
425	106	NR	555	637	NR	685	104	NR	815	3	NR	945	0	NR
430	204	NR	560	640	NR	690	91	NR	820	2	NR	950	0	NR
435	369	NR	565	642	NR	695	79	NR	825	2	NR	955	0	NR
440	573	NR	570	641	NR	700	68	NR	830	2	NR	960	0	NR
445	844	NR	575	638	NR	705	59	NR	835	2	NR	965	0	NR
450	999	NR	580	632	NR	710	50	NR	840	1	NR	970	0	NR
455	668	NR	585	620	NR	715	43	NR	845	1	NR	975	0	NR
460	361	NR	590	607	NR	720	36	NR	850	1	NR	980	0	NR
465	255	NR	595	586	NR	725	30	NR	855	1	NR	985	0	NR
470	165	NR	600	564	NR	730	25	NR	860	1	NR	990	0	NR
475	106	NR	605	537	NR	735	22	NR	865	1	NR	995	0	NR
480	91	NR	610	507	NR	740	19	NR	870	0	NR	1000	0	NR
485	93	NR	615	474	NR	745	17	NR	875	0	NR			

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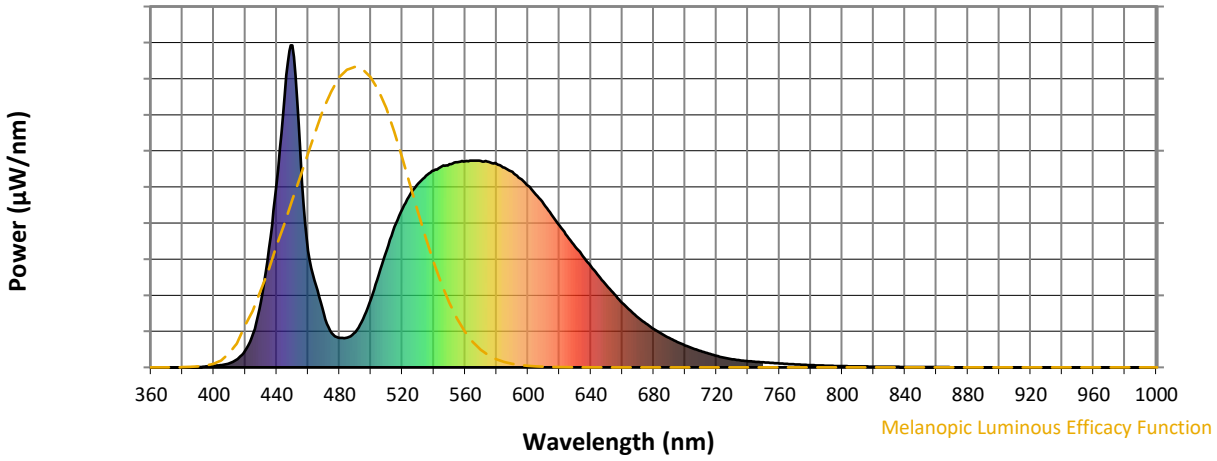
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.36**

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	110	NR	620	440	NR	750	16	NR	880	0	NR
365	0	NR	495	150	NR	625	407	NR	755	14	NR	885	0	NR
370	0	NR	500	213	NR	630	375	NR	760	12	NR	890	0	NR
375	0	NR	505	288	NR	635	345	NR	765	11	NR	895	0	NR
380	0	NR	510	364	NR	640	314	NR	770	9	NR	900	0	NR
385	0	NR	515	436	NR	645	283	NR	775	8	NR	905	0	NR
390	1	NR	520	492	NR	650	254	NR	780	7	NR	910	0	NR
395	3	NR	525	537	NR	655	227	NR	785	6	NR	915	0	NR
400	5	NR	530	570	NR	660	200	NR	790	5	NR	920	0	NR
405	7	NR	535	595	NR	665	177	NR	795	4	NR	925	0	NR
410	13	NR	540	611	NR	670	155	NR	800	4	NR	930	0	NR
415	25	NR	545	624	NR	675	136	NR	805	3	NR	935	0	NR
420	52	NR	550	631	NR	680	119	NR	810	3	NR	940	0	NR
425	106	NR	555	637	NR	685	104	NR	815	3	NR	945	0	NR
430	204	NR	560	640	NR	690	91	NR	820	2	NR	950	0	NR
435	369	NR	565	642	NR	695	79	NR	825	2	NR	955	0	NR
440	573	NR	570	641	NR	700	68	NR	830	2	NR	960	0	NR
445	844	NR	575	638	NR	705	59	NR	835	2	NR	965	0	NR
450	999	NR	580	632	NR	710	50	NR	840	1	NR	970	0	NR
455	668	NR	585	620	NR	715	43	NR	845	1	NR	975	0	NR
460	361	NR	590	607	NR	720	36	NR	850	1	NR	980	0	NR
465	255	NR	595	586	NR	725	30	NR	855	1	NR	985	0	NR
470	165	NR	600	564	NR	730	25	NR	860	1	NR	990	0	NR
475	106	NR	605	537	NR	735	22	NR	865	1	NR	995	0	NR
480	91	NR	610	507	NR	740	19	NR	870	0	NR	1000	0	NR
485	93	NR	615	474	NR	745	17	NR	875	0	NR			

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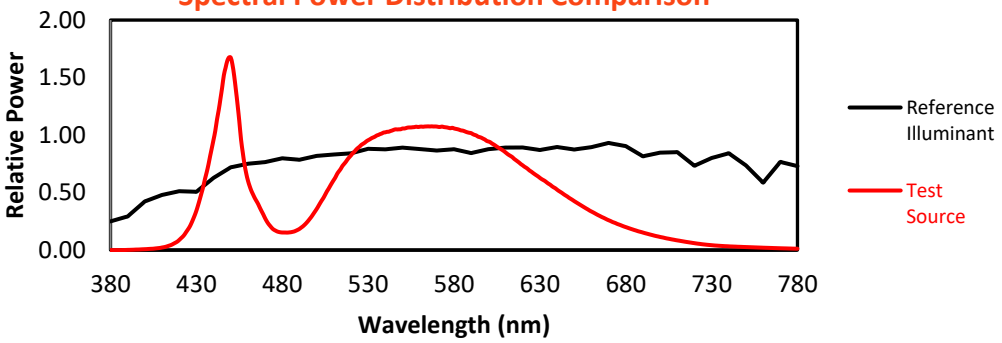
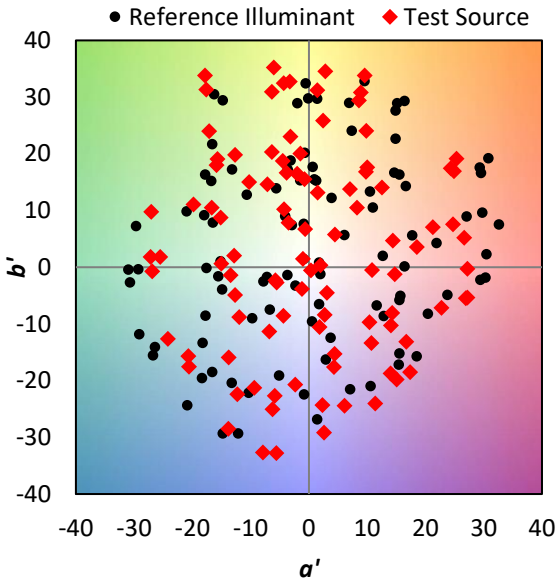
Summary

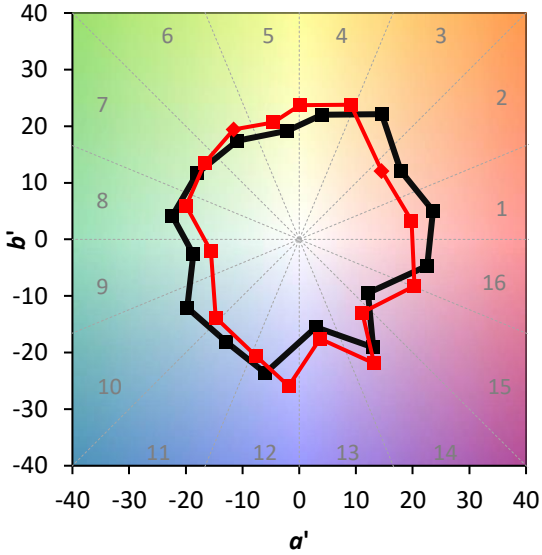
R_f = 73
R_g = 94.6
CIE R_a = 70.9
R_9 = -29.8

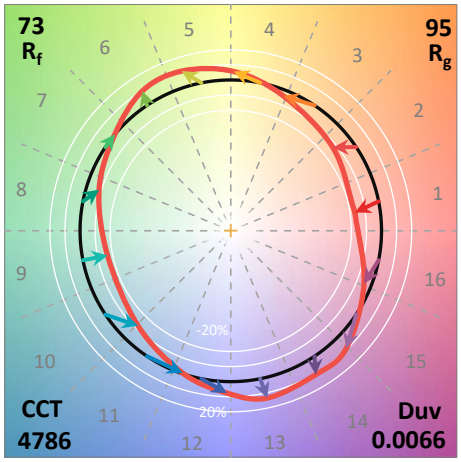
Spectral Power Distribution Comparison

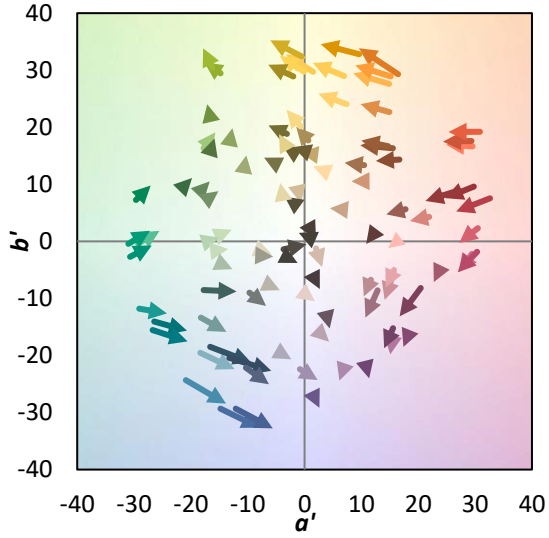


Color Vector Graphics









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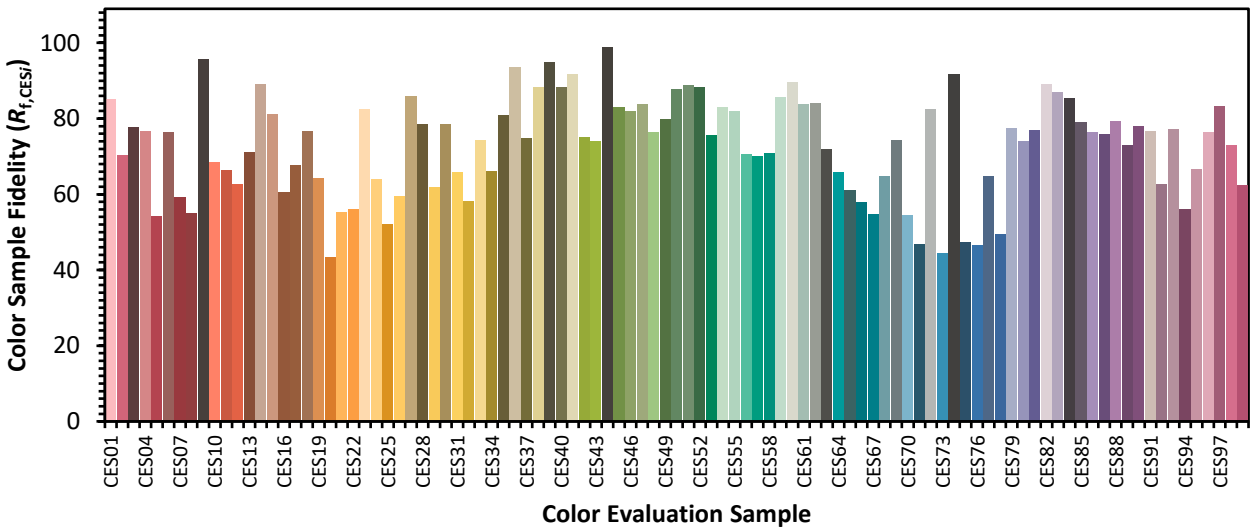
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 60	CES51 = 89	CES76 = 46
CES02 = 59	CES27 = 86	CES52 = 88	CES77 = 65
CES03 = 30	CES28 = 78	CES53 = 76	CES78 = 49
CES04 = 69	CES29 = 62	CES54 = 83	CES79 = 78
CES05 = 46	CES30 = 79	CES55 = 82	CES80 = 74
CES06 = 50	CES31 = 66	CES56 = 71	CES81 = 77
CES07 = 39	CES32 = 58	CES57 = 70	CES82 = 89
CES08 = 38	CES33 = 74	CES58 = 71	CES83 = 87
CES09 = 29	CES34 = 66	CES59 = 86	CES84 = 86
CES10 = 72	CES35 = 81	CES60 = 90	CES85 = 79
CES11 = 56	CES36 = 94	CES61 = 84	CES86 = 76
CES12 = 61	CES37 = 75	CES62 = 84	CES87 = 76
CES13 = 41	CES38 = 88	CES63 = 72	CES88 = 79
CES14 = 74	CES39 = 95	CES64 = 66	CES89 = 73
CES15 = 70	CES40 = 88	CES65 = 61	CES90 = 78
CES16 = 46	CES41 = 92	CES66 = 58	CES91 = 77
CES17 = 49	CES42 = 75	CES67 = 55	CES92 = 63
CES18 = 55	CES43 = 74	CES68 = 65	CES93 = 77
CES19 = 71	CES44 = 99	CES69 = 74	CES94 = 56
CES20 = 64	CES45 = 83	CES70 = 55	CES95 = 67
CES21 = 85	CES46 = 82	CES71 = 47	CES96 = 76
CES22 = 77	CES47 = 84	CES72 = 82	CES97 = 83
CES23 = 91	CES48 = 76	CES73 = 44	CES98 = 73
CES24 = 90	CES49 = 80	CES74 = 92	CES99 = 62
CES25 = 71	CES50 = 88	CES75 = 47	



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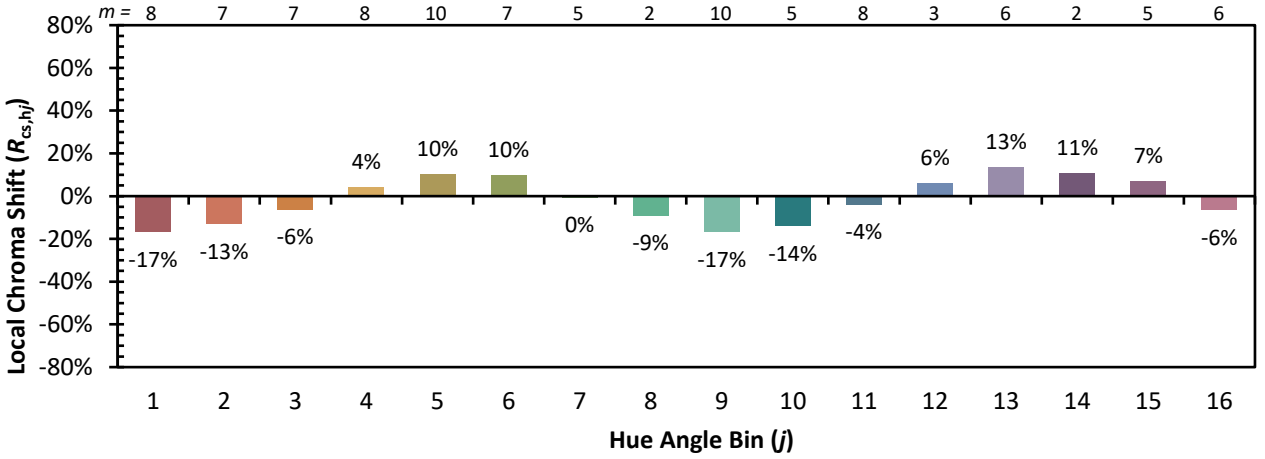
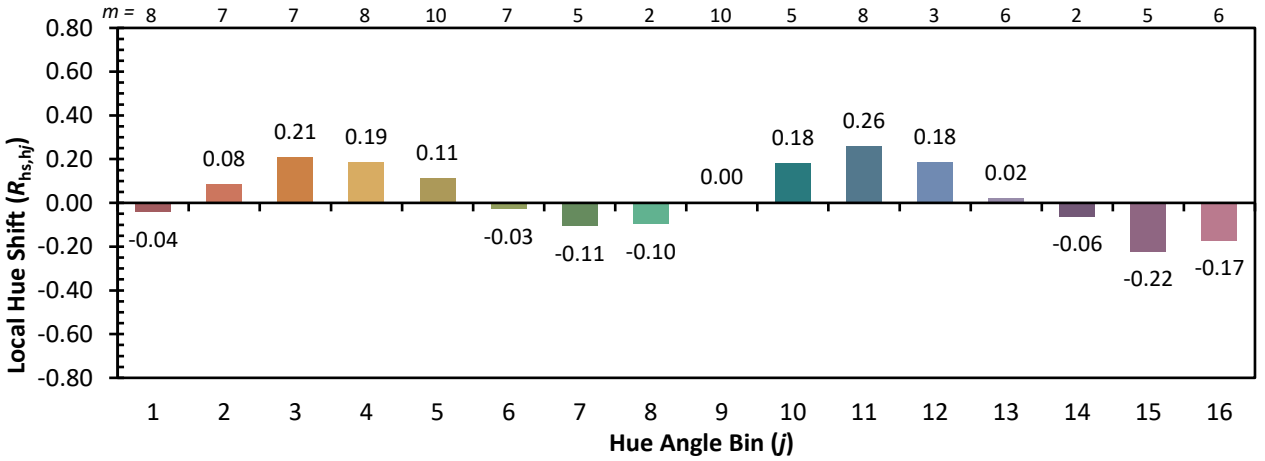
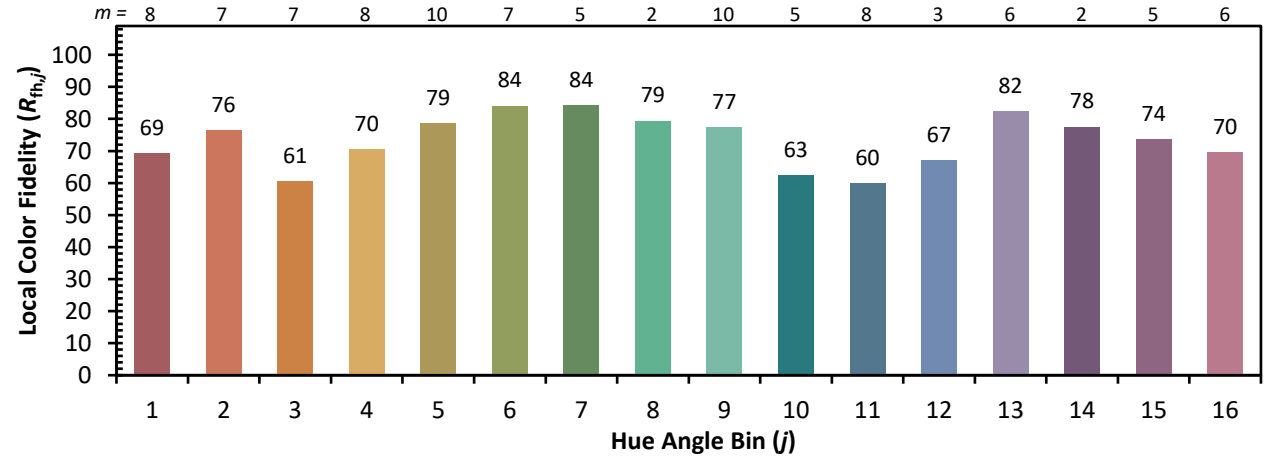
Color Rendition by Hue-Angle Bin







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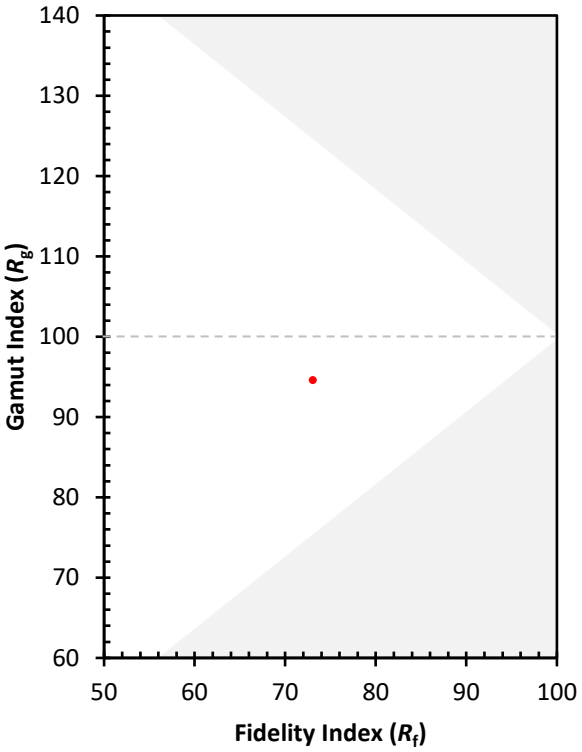
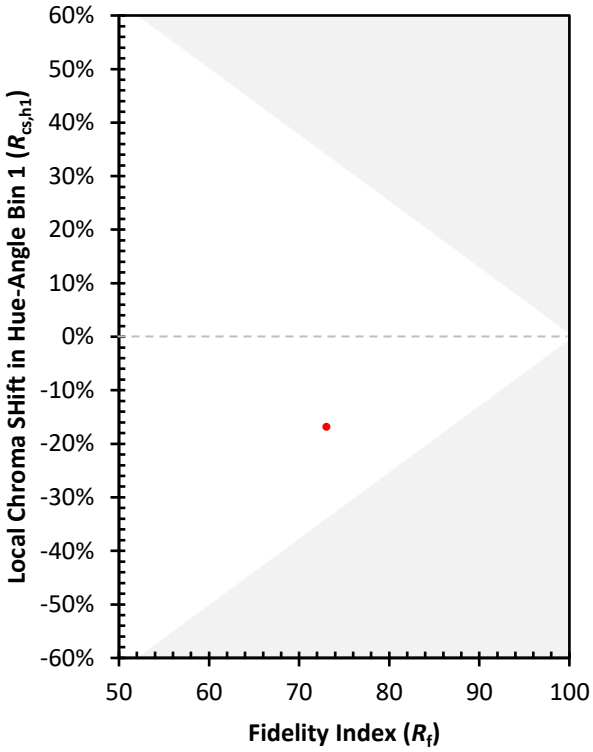
Measure Comparisons





(END OF REPORT)