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: INVUE

Report Number: P879762

Luminaire Tested: **EMM2-HTN-VA7-750-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:	P879762
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	10/01/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HTN-VA7-750-U-WT4
Description:	EPIC MODERN TALL HOUSING 7W 70CRI 5000K WAVESTREAM 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:	14170 lumens
Efficiency:	N/A
Efficacy:	109.0 lumens/watt
Luminous Opening:	Circular (Dia: 1.12' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	130
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.995
Total Harmonic Distortion (THDi):	8.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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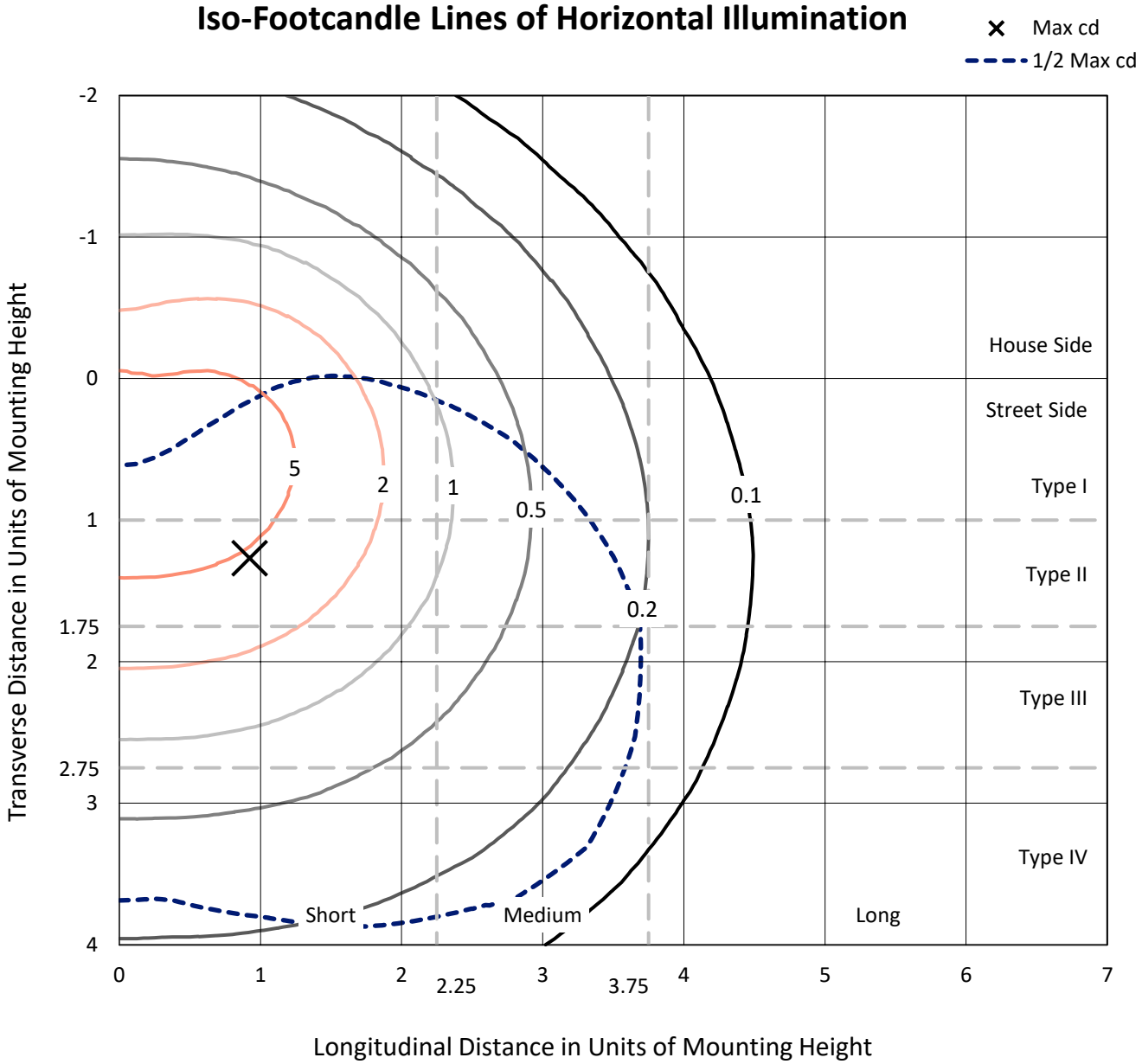
REPORT NUMBER: P879762
CATALOG NUMBER: EMM2-HTN-VA7-750-U-WT4

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 9.1 fc
Type IV - Short - N/A

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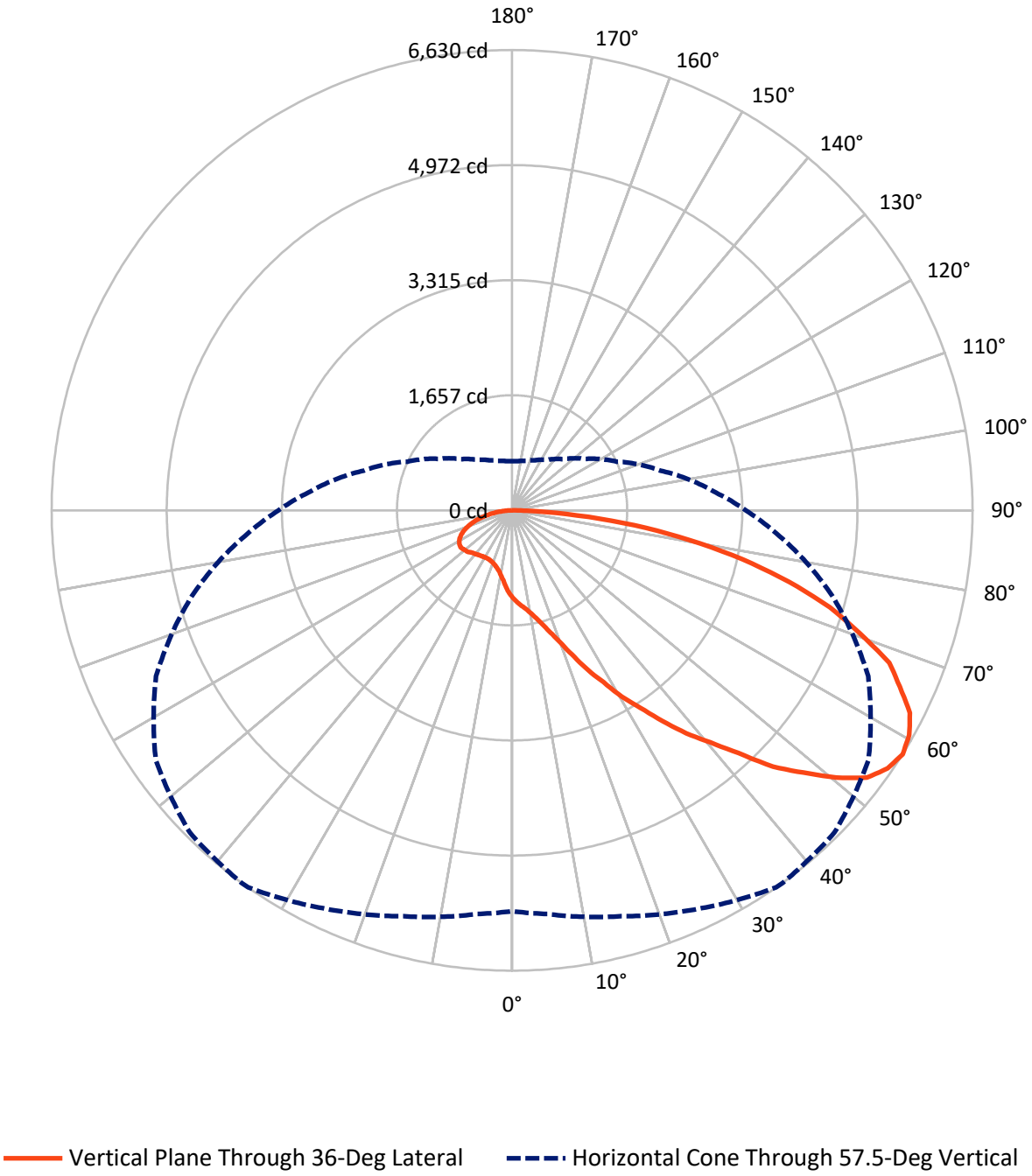
Luminous Intensity Polar Plot



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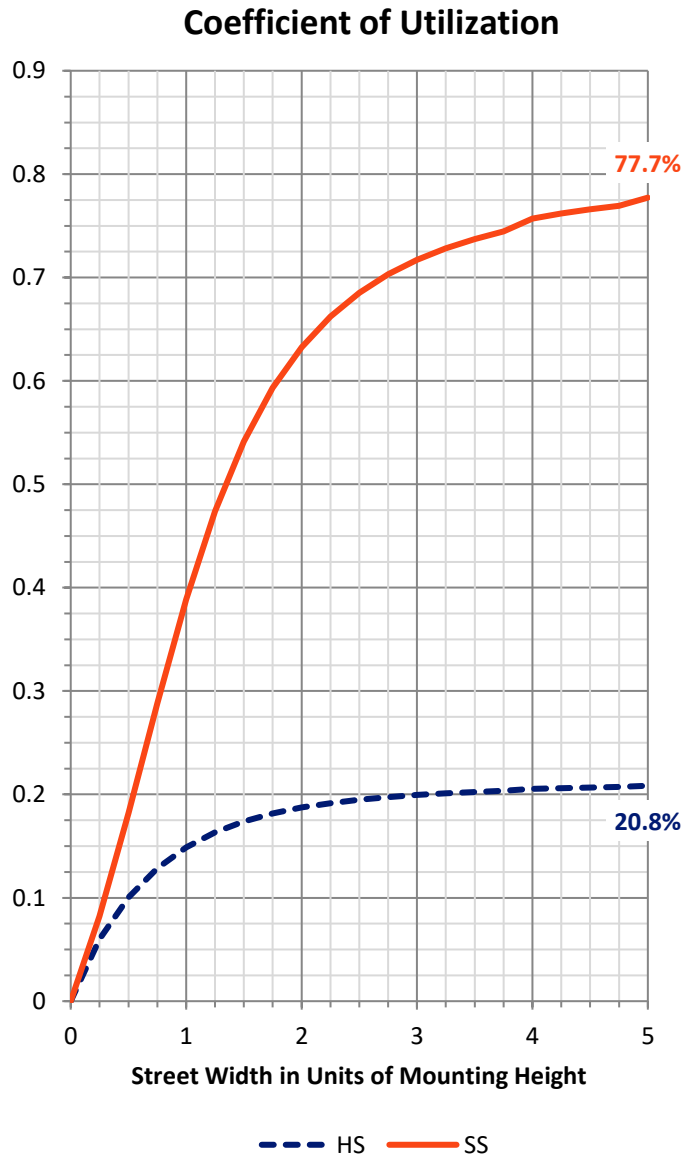
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2995.5	0.0	2995.5
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	11174.5	0.0	11174.5
	% Fixture	78.9	0.0	78.9
Total	Lumens	14170.0	0.0	14170.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	0.8
10°-20°	372.5	2.6
20°-30°	772.7	5.5
30°-40°	1405.5	9.9
40°-50°	2291.5	16.2
50°-60°	3145.3	22.2
60°-70°	3202.4	22.6
70°-80°	2253.0	15.9
80°-90°	609.2	4.3
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°	14170.0	100.0
0°-180°	14170.0	100.0



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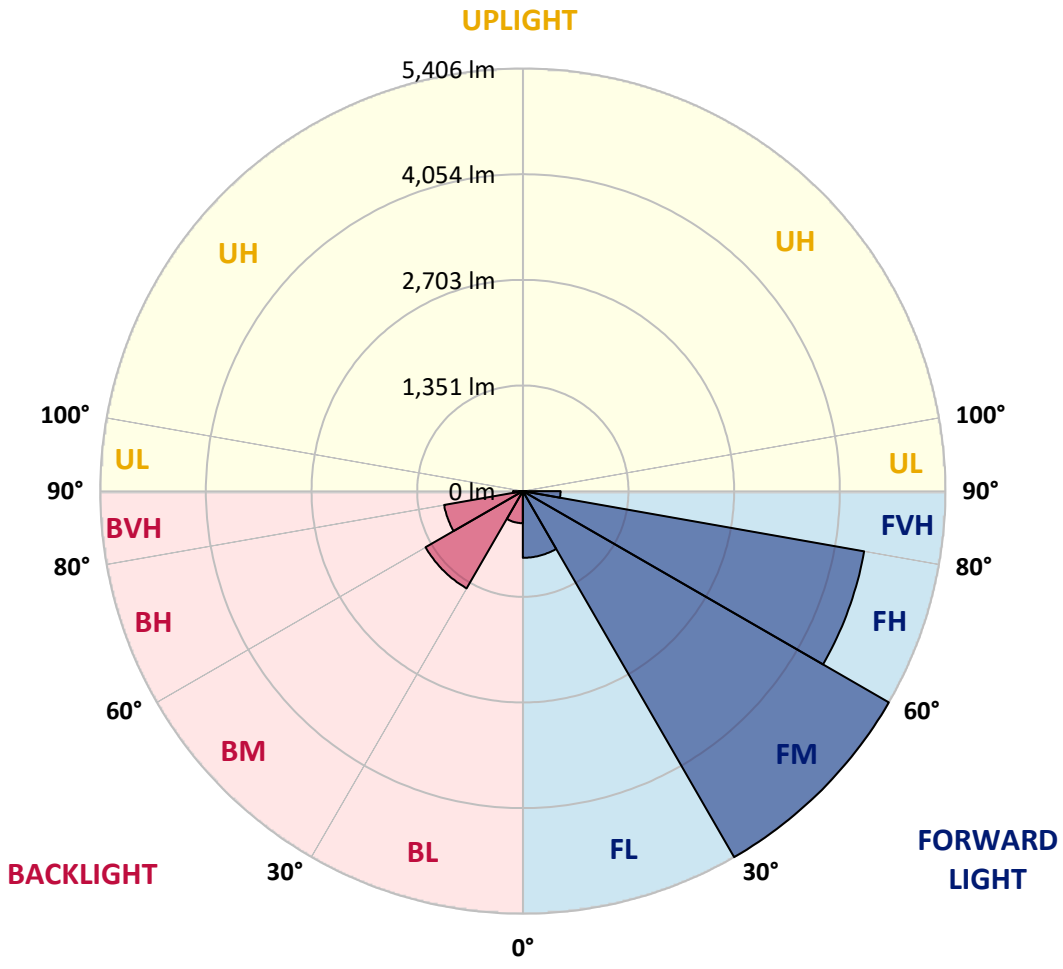
REPORT NUMBER: P879762
CATALOG NUMBER: EMM2-HTN-VA7-750-U-WT4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	853.1	6.0			
FM	(30°-60°)	5405.9	38.2			
FH	(60°-80°)	4433.2	31.3			G2/5000
FVH	(80°-90°)	482.3	3.4			G3/500
BL	(0°-30°)	410.0	2.9	B1/500		
BM	(30°-60°)	1436.4	10.1	B2/2500		
BH	(60°-80°)	1022.3	7.2	B3/2500		G3/2500
BVH	(80°-90°)	126.8	0.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1258.7	1258.7	1258.7	1258.7	1258.7	*1258.7*	1258.7	1258.7	1258.7	1258.7	1258.7
2.5°	1329.2	1338.4	1330.2	1330.2	1317.9	*1322.0*	1308.8	1298.5	1286.3	1273.0	1259.7
5°	1398.7	1404.8	1401.7	1387.4	1372.1	*1377.2*	1355.7	1332.3	1307.7	1282.2	1256.6
7.5°	1475.3	1483.5	1474.3	1453.8	1433.4	*1433.4*	1406.8	1370.1	1333.3	1292.4	1250.5
10°	1561.1	1571.3	1560.1	1536.6	1502.9	*1511.0*	1469.2	1428.3	1373.1	1317.9	1260.7
12.5°	1678.6	1687.8	1668.4	1653.1	1612.2	*1606.1*	1562.1	1509.0	1442.6	1362.9	1287.3
15°	1803.2	1807.3	1812.4	1781.8	1732.7	*1731.7*	1680.6	1610.1	1527.4	1433.4	1337.4
17.5°	1965.7	1967.7	1949.3	1932.0	1879.9	*1876.8*	1827.8	1747.0	1634.7	1520.2	1402.7
20°	2128.1	2144.5	2139.4	2115.9	2078.1	*2061.7*	2007.6	1907.4	1788.9	1641.8	1488.6
22.5°	2346.8	2360.0	2363.1	2336.5	2306.9	*2293.6*	2234.4	2111.8	1955.5	1781.8	1608.1
25°	2593.0	2594.0	2606.3	2597.1	2545.0	*2554.2*	2474.5	2366.2	2183.3	1964.7	1745.0
27.5°	2860.7	2866.8	2878.0	2863.7	2815.7	*2803.4*	2718.7	2597.1	2403.0	2160.8	1887.0
30°	3102.8	3133.4	3127.3	3142.6	3129.4	*3113.0*	3029.2	2871.9	2611.4	2341.7	2062.7
32.5°	3415.4	3398.1	3409.3	3441.0	3388.9	*3389.9*	3304.1	3141.6	2887.2	2568.5	2210.9
35°	3655.5	3699.4	3722.9	3738.3	3714.8	*3725.0*	3656.5	3461.4	3155.9	2792.2	2385.6
37.5°	3936.5	3982.4	4003.9	4064.2	4090.7	*4074.4*	4004.9	3815.9	3446.1	3026.2	2585.8
40°	4262.4	4293.0	4343.1	4396.2	4408.5	*4391.1*	4320.6	4103.0	3753.6	3287.7	2766.7
42.5°	4610.8	4569.9	4710.9	4739.5	4811.0	*4776.3*	4755.9	4460.6	4041.7	3554.4	2957.7
45°	4917.3	4938.7	5083.8	5227.9	5304.5	*5266.7*	5180.9	4942.8	4455.5	3818.0	3166.1
47.5°	5195.2	5292.2	5382.1	5595.7	5670.2	*5644.7*	5578.3	5285.1	4816.1	4130.6	3405.2
50°	5504.7	5528.2	5702.9	5905.2	6080.9	*6052.3*	5985.9	5695.8	5120.6	4415.6	3577.9
52.5°	5761.2	5694.8	5920.5	6209.7	6415.0	*6394.6*	6298.6	5990.0	5450.6	4604.6	3715.8
55°	5768.3	5848.0	6017.6	6345.6	6568.3	*6561.1*	6514.1	6181.1	5624.3	4745.6	3805.7
57.5°	*5772.4*	*5836.8*	*6052.3*	*6333.3*	*6627.5*	*6629.6*	*6563.2*	*6263.8*	*5655.9*	*4773.2*	*3820.0*
60°	5662.1	5686.6	5982.9	6287.3	6557.0	*6569.3*	6502.9	6241.4	5598.7	4727.2	3763.8
62.5°	5461.8	5504.7	5800.0	6094.2	6401.8	*6427.3*	6360.9	6115.7	5476.1	4626.1	3655.5
65°	5190.1	5200.3	5457.7	5857.2	6090.1	*6134.1*	6122.8	5857.2	5277.9	4438.1	3492.1
67.5°	4812.0	4805.9	5123.6	5454.7	5785.7	*5856.2*	5799.0	5607.9	4952.0	4166.3	3289.8
70°	4332.9	4417.7	4702.7	5047.0	5270.8	*5309.6*	5334.1	5124.7	4624.1	3898.7	3025.1
72.5°	3854.7	3877.2	4104.0	4506.6	4753.8	*4783.4*	4824.3	4607.7	4178.6	3458.3	2698.2
75°	3263.2	3256.0	3502.3	3821.0	4036.6	*4118.3*	4134.7	3964.1	3607.5	3010.8	2340.6
77.5°	2619.5	2648.2	2840.2	3111.0	3325.5	*3385.8*	3453.2	3262.2	2970.0	2501.0	1908.5
80°	1923.8	1921.8	2096.5	2351.9	2599.1	*2592.0*	2615.5	2573.6	2271.2	1942.2	1477.3
82.5°	1266.9	1240.3	1394.6	1563.1	1758.3	*1776.7*	1848.2	1805.3	1624.4	1353.7	1027.8
85°	521.0	515.9	655.9	758.1	916.4	*937.9*	1000.2	969.6	900.1	751.9	568.0
87.5°	12.3	12.3	12.3	51.1	149.2	*211.5*	213.5	271.8	278.9	239.1	175.7
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: P879762
CATALOG NUMBER: EMM2-HTN-VA7-750-U-WT4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1258.7	1258.7	1258.7	1258.7	1258.7	1258.7	1258.7	1258.7	1258.7	1258.7	1258.7
2.5°	1253.6	1246.4	1231.1	1219.9	1209.7	1198.4	1192.3	1185.1	1182.1	1181.0	1172.9
5°	1242.3	1227.0	1199.4	1171.8	1147.3	1126.9	1106.5	1091.1	1076.8	1069.7	1066.6
7.5°	1228.0	1205.6	1163.7	1124.9	1083.0	1050.3	1017.6	994.1	984.9	976.7	969.6
10°	1230.1	1200.5	1140.2	1084.0	1033.9	990.0	949.1	917.5	898.0	879.7	882.7
12.5°	1247.5	1209.7	1136.1	1063.6	1001.2	944.0	891.9	854.1	825.5	806.1	804.1
15°	1283.2	1236.2	1145.3	1059.5	981.8	911.3	852.1	801.0	766.2	745.8	741.7
17.5°	1340.4	1284.2	1168.8	1069.7	974.7	892.9	823.5	766.2	722.3	699.8	694.7
20°	1417.0	1343.5	1210.7	1084.0	971.6	877.6	800.0	736.6	691.7	662.0	658.0
22.5°	1513.1	1424.2	1257.7	1105.4	977.7	871.5	784.6	715.2	663.1	638.5	634.5
25°	1634.7	1524.3	1321.0	1137.1	988.0	868.4	772.4	699.8	646.7	619.1	617.1
27.5°	1753.2	1626.5	1383.3	1173.9	1005.3	872.5	768.3	689.6	635.5	607.9	603.8
30°	1890.1	1739.9	1465.1	1220.9	1025.8	879.7	768.3	685.5	629.3	601.8	598.7
32.5°	2051.5	1854.3	1542.7	1271.0	1053.3	894.0	772.4	683.5	628.3	599.7	596.7
35°	2188.4	1988.2	1623.4	1321.0	1083.0	908.3	782.6	689.6	629.3	602.8	597.7
37.5°	2340.6	2112.8	1709.2	1366.0	1109.5	922.6	788.7	695.8	636.5	607.9	606.9
40°	2509.2	2248.7	1795.1	1424.2	1145.3	946.1	804.1	703.9	646.7	617.1	615.0
42.5°	2674.7	2394.8	1888.0	1489.6	1175.9	962.4	815.3	719.3	655.9	632.4	626.3
45°	2864.7	2542.9	1988.2	1536.6	1213.7	988.0	832.7	732.5	676.3	647.7	646.7
47.5°	3017.0	2673.7	2071.9	1595.8	1262.8	1018.6	860.2	751.9	697.8	666.1	668.2
50°	3183.5	2794.3	2127.1	1646.9	1279.1	1028.8	870.5	778.5	712.1	688.6	682.5
52.5°	3286.7	2888.2	2192.5	1659.2	1303.6	1051.3	886.8	787.7	730.5	704.9	696.8
55°	3368.4	2945.5	2216.0	1674.5	1311.8	1053.3	896.0	797.9	740.7	711.1	712.1
57.5°	*3364.3*	*2943.4*	*2211.9*	*1659.2*	*1291.4*	*1041.1*	*887.8*	*795.9*	*735.6*	*709.0*	*709.0*
60°	3315.3	2882.1	2157.8	1610.1	1256.6	1012.5	867.4	774.4	721.3	699.8	696.8
62.5°	3200.9	2778.9	2085.2	1548.8	1206.6	975.7	840.8	745.8	701.9	679.4	674.3
65°	3050.7	2647.1	1955.5	1467.1	1133.0	921.5	795.9	717.2	673.3	649.8	646.7
67.5°	2858.6	2461.2	1808.3	1354.7	1051.3	861.3	745.8	674.3	630.4	614.0	614.0
70°	2618.5	2241.5	1663.3	1230.1	956.3	781.6	682.5	618.1	583.4	564.0	564.0
72.5°	2330.4	2001.4	1473.2	1095.2	851.0	696.8	606.9	558.9	526.2	514.9	507.8
75°	2012.7	1714.4	1255.6	928.7	726.4	600.7	529.2	485.3	460.8	451.6	449.5
77.5°	1664.3	1406.8	1011.4	762.2	602.8	500.6	441.4	408.7	392.3	379.0	378.0
80°	1275.0	1072.7	775.4	594.6	464.9	384.1	348.4	325.9	314.7	310.6	306.5
82.5°	875.6	759.1	542.5	400.5	324.9	274.8	256.4	246.2	232.9	234.0	231.9
85°	491.4	416.8	291.2	232.9	193.1	171.6	164.5	158.4	160.4	156.3	158.4
87.5°	148.1	137.9	99.1	84.8	73.6	74.6	80.7	83.8	84.8	85.8	87.9
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: SP1-2407-176-10

Test Date: 09/25/2024

Luminaire Tested: MEM2-HTN-VA-130-750-U-RW

Data in this report applies to families of products including MEM2-HTN-VA-130-750-U-RW

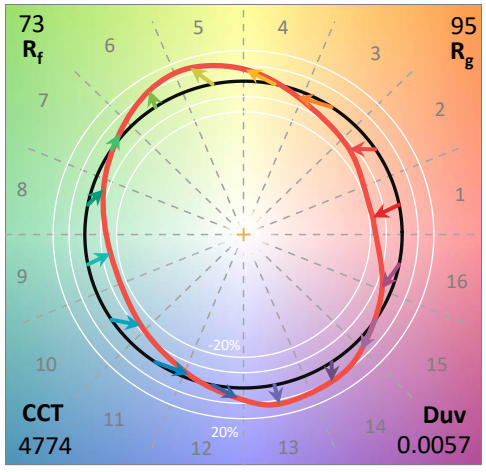
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-176-10
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-130-750-U-RW**
Description:	EPIC MODERN VISUAL COMFORT 130W WAVESTREAM RECTANGULAR WIDE

Spectral Parameters

CCT (K):	4774	CRI (Ra):	70.8		
CIE u':	0.2100	R1:	67.0	R9:	-40.0
CIE v':	0.4945	R2:	75.4	R10:	43.4
Duv:	0.0057	R3:	83.5	R11:	69.3
CIE x:	0.3535	R4:	71.8	R12:	45.5
CIE y:	0.3699	R5:	68.4	R13:	67.9
CIE z:	0.2766	R6:	67.5	R14:	90.8
Peak Wavelength (nm):	444	R7:	80.0	R15:	58.2
Dominant Wavelength (nm):	571	R8:	53.1		
Purity:	17.0787				
Rf:	73.1				
Rg:	94.9				



Test Conditions

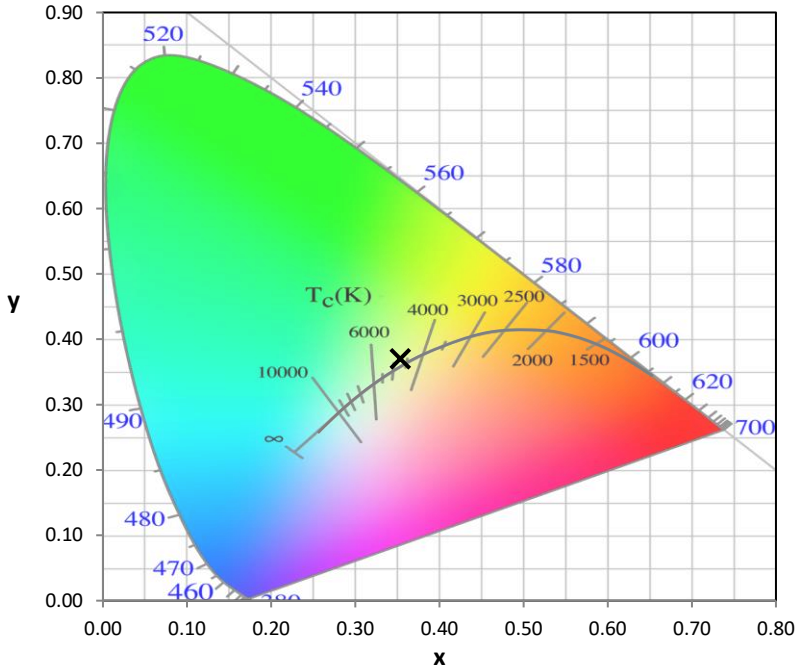
Stabilization Time:	37M
Operation Time:	1H 37M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-176-10

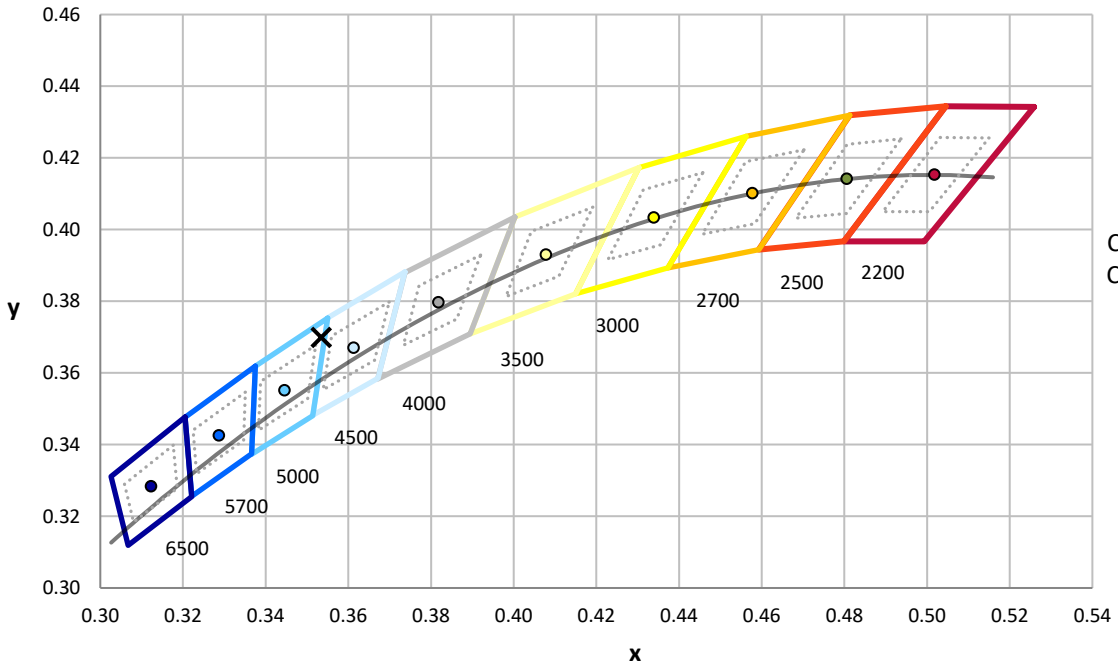
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-176-10

CIE 1931 Chromaticity Diagram



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

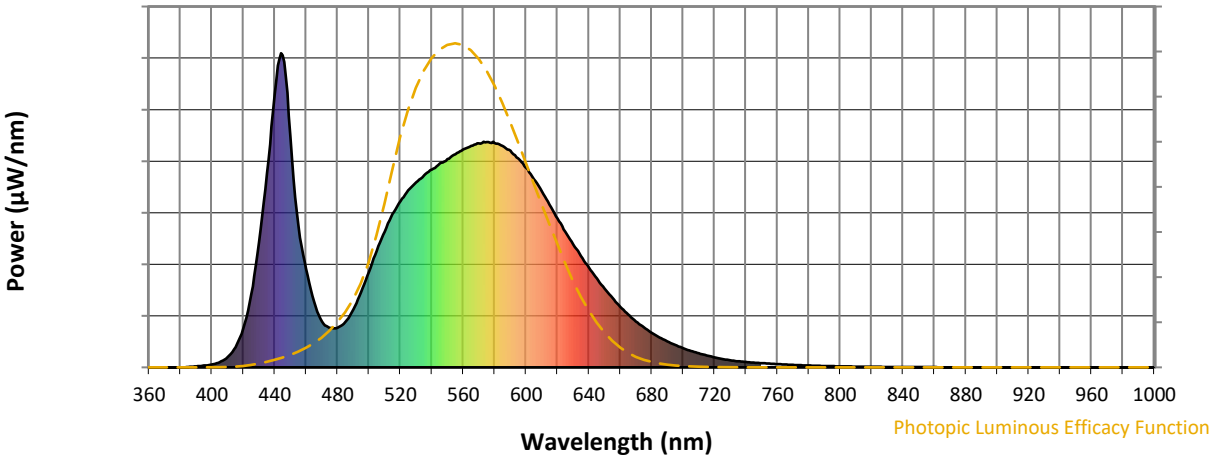


CCT = 4774K
CIE x = 0.3535
CIE y = 0.3699
Duv = 0.0057

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-176-10

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	184	NR	620	474	NR	750	13	NR	880	0	NR
365	0	NR	495	239	NR	625	432	NR	755	12	NR	885	0	NR
370	0	NR	500	305	NR	630	392	NR	760	10	NR	890	0	NR
375	0	NR	505	371	NR	635	354	NR	765	9	NR	895	0	NR
380	0	NR	510	432	NR	640	318	NR	770	8	NR	900	0	NR
385	1	NR	515	488	NR	645	283	NR	775	7	NR	905	0	NR
390	3	NR	520	529	NR	650	251	NR	780	6	NR	910	0	NR
395	6	NR	525	563	NR	655	221	NR	785	5	NR	915	0	NR
400	9	NR	530	589	NR	660	193	NR	790	4	NR	920	0	NR
405	16	NR	535	611	NR	665	169	NR	795	4	NR	925	0	NR
410	33	NR	540	629	NR	670	146	NR	800	3	NR	930	0	NR
415	64	NR	545	649	NR	675	127	NR	805	3	NR	935	0	NR
420	124	NR	550	663	NR	680	110	NR	810	2	NR	940	0	NR
425	233	NR	555	678	NR	685	95	NR	815	2	NR	945	0	NR
430	397	NR	560	693	NR	690	83	NR	820	2	NR	950	0	NR
435	617	NR	565	705	NR	695	71	NR	825	2	NR	955	0	NR
440	868	NR	570	713	NR	700	61	NR	830	1	NR	960	0	NR
445	994	NR	575	717	NR	705	52	NR	835	1	NR	965	0	NR
450	736	NR	580	715	NR	710	45	NR	840	1	NR	970	0	NR
455	454	NR	585	705	NR	715	38	NR	845	1	NR	975	0	NR
460	314	NR	590	689	NR	720	32	NR	850	1	NR	980	0	NR
465	210	NR	595	665	NR	725	27	NR	855	1	NR	985	0	NR
470	146	NR	600	635	NR	730	23	NR	860	1	NR	990	0	NR
475	126	NR	605	599	NR	735	19	NR	865	0	NR	995	0	NR
480	126	NR	610	561	NR	740	17	NR	870	0	NR	1000	0	NR
485	144	NR	615	517	NR	745	15	NR	875	0	NR			

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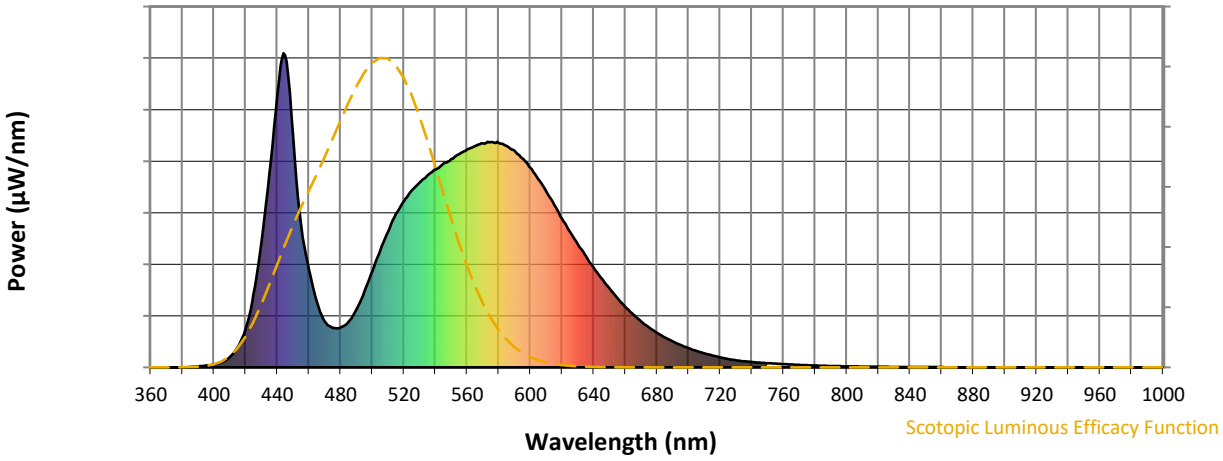
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/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	184	NR	620	474	NR	750	13	NR	880	0	NR
365	0	NR	495	239	NR	625	432	NR	755	12	NR	885	0	NR
370	0	NR	500	305	NR	630	392	NR	760	10	NR	890	0	NR
375	0	NR	505	371	NR	635	354	NR	765	9	NR	895	0	NR
380	0	NR	510	432	NR	640	318	NR	770	8	NR	900	0	NR
385	1	NR	515	488	NR	645	283	NR	775	7	NR	905	0	NR
390	3	NR	520	529	NR	650	251	NR	780	6	NR	910	0	NR
395	6	NR	525	563	NR	655	221	NR	785	5	NR	915	0	NR
400	9	NR	530	589	NR	660	193	NR	790	4	NR	920	0	NR
405	16	NR	535	611	NR	665	169	NR	795	4	NR	925	0	NR
410	33	NR	540	629	NR	670	146	NR	800	3	NR	930	0	NR
415	64	NR	545	649	NR	675	127	NR	805	3	NR	935	0	NR
420	124	NR	550	663	NR	680	110	NR	810	2	NR	940	0	NR
425	233	NR	555	678	NR	685	95	NR	815	2	NR	945	0	NR
430	397	NR	560	693	NR	690	83	NR	820	2	NR	950	0	NR
435	617	NR	565	705	NR	695	71	NR	825	2	NR	955	0	NR
440	868	NR	570	713	NR	700	61	NR	830	1	NR	960	0	NR
445	994	NR	575	717	NR	705	52	NR	835	1	NR	965	0	NR
450	736	NR	580	715	NR	710	45	NR	840	1	NR	970	0	NR
455	454	NR	585	705	NR	715	38	NR	845	1	NR	975	0	NR
460	314	NR	590	689	NR	720	32	NR	850	1	NR	980	0	NR
465	210	NR	595	665	NR	725	27	NR	855	1	NR	985	0	NR
470	146	NR	600	635	NR	730	23	NR	860	1	NR	990	0	NR
475	126	NR	605	599	NR	735	19	NR	865	0	NR	995	0	NR
480	126	NR	610	561	NR	740	17	NR	870	0	NR	1000	0	NR
485	144	NR	615	517	NR	745	15	NR	875	0	NR			

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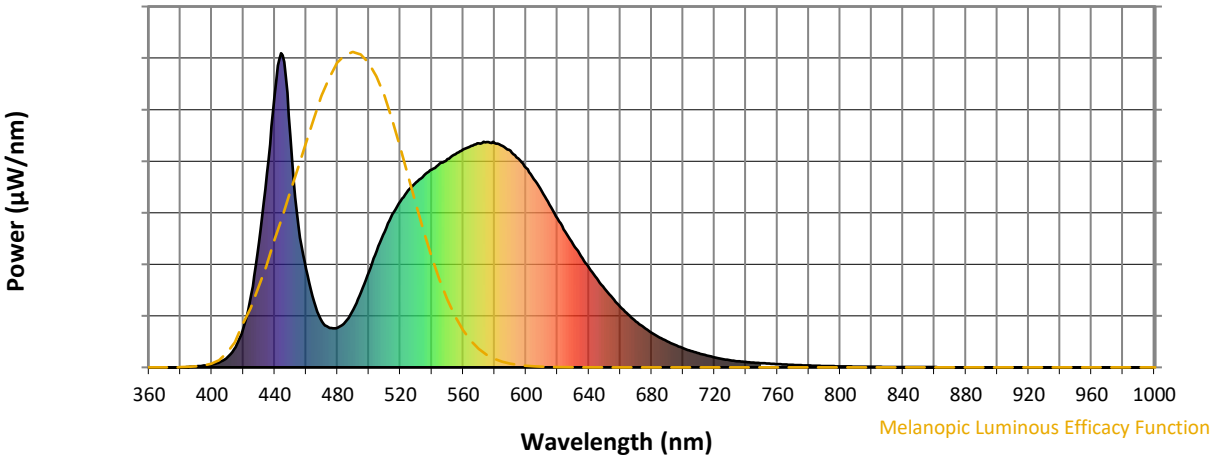
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.39**

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	184	NR	620	474	NR	750	13	NR	880	0	NR
365	0	NR	495	239	NR	625	432	NR	755	12	NR	885	0	NR
370	0	NR	500	305	NR	630	392	NR	760	10	NR	890	0	NR
375	0	NR	505	371	NR	635	354	NR	765	9	NR	895	0	NR
380	0	NR	510	432	NR	640	318	NR	770	8	NR	900	0	NR
385	1	NR	515	488	NR	645	283	NR	775	7	NR	905	0	NR
390	3	NR	520	529	NR	650	251	NR	780	6	NR	910	0	NR
395	6	NR	525	563	NR	655	221	NR	785	5	NR	915	0	NR
400	9	NR	530	589	NR	660	193	NR	790	4	NR	920	0	NR
405	16	NR	535	611	NR	665	169	NR	795	4	NR	925	0	NR
410	33	NR	540	629	NR	670	146	NR	800	3	NR	930	0	NR
415	64	NR	545	649	NR	675	127	NR	805	3	NR	935	0	NR
420	124	NR	550	663	NR	680	110	NR	810	2	NR	940	0	NR
425	233	NR	555	678	NR	685	95	NR	815	2	NR	945	0	NR
430	397	NR	560	693	NR	690	83	NR	820	2	NR	950	0	NR
435	617	NR	565	705	NR	695	71	NR	825	2	NR	955	0	NR
440	868	NR	570	713	NR	700	61	NR	830	1	NR	960	0	NR
445	994	NR	575	717	NR	705	52	NR	835	1	NR	965	0	NR
450	736	NR	580	715	NR	710	45	NR	840	1	NR	970	0	NR
455	454	NR	585	705	NR	715	38	NR	845	1	NR	975	0	NR
460	314	NR	590	689	NR	720	32	NR	850	1	NR	980	0	NR
465	210	NR	595	665	NR	725	27	NR	855	1	NR	985	0	NR
470	146	NR	600	635	NR	730	23	NR	860	1	NR	990	0	NR
475	126	NR	605	599	NR	735	19	NR	865	0	NR	995	0	NR
480	126	NR	610	561	NR	740	17	NR	870	0	NR	1000	0	NR
485	144	NR	615	517	NR	745	15	NR	875	0	NR			

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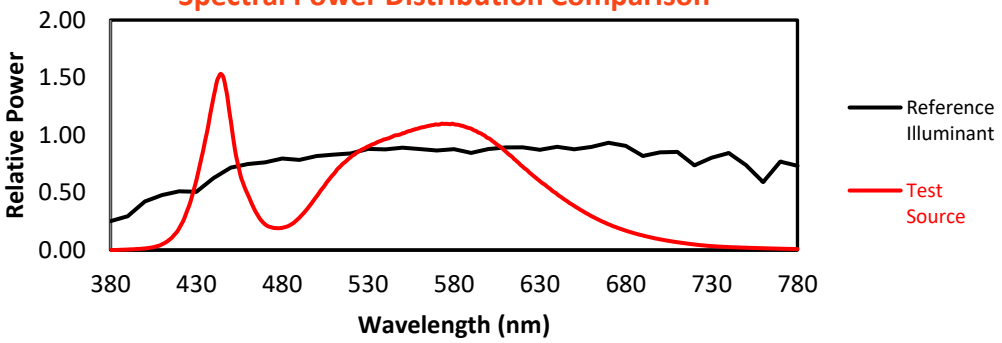
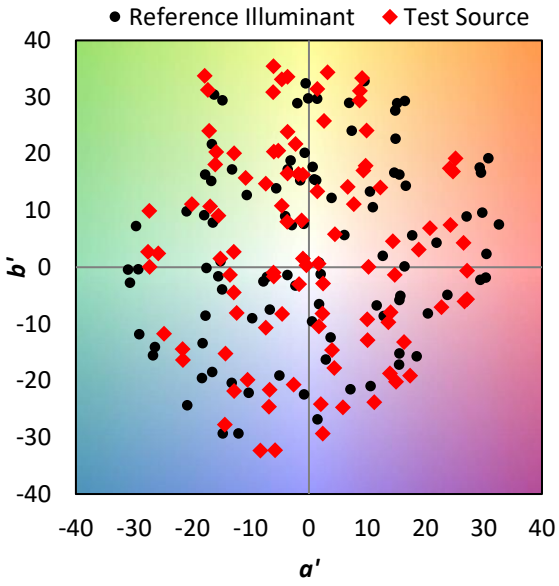
Summary

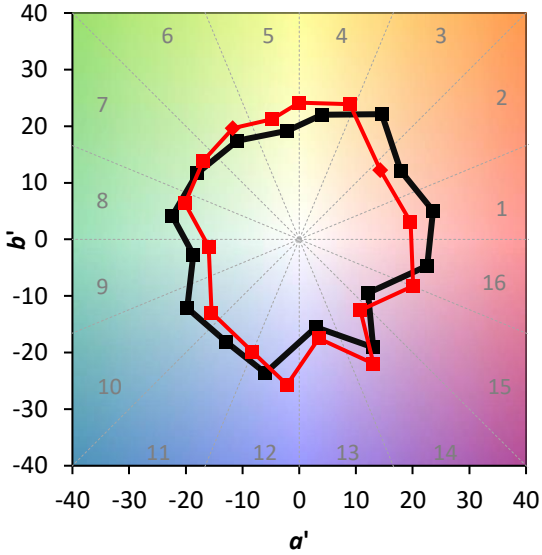
R_f = 73.1
R_g = 94.9
CIE R_a = 70.8
R_9 = -40.0

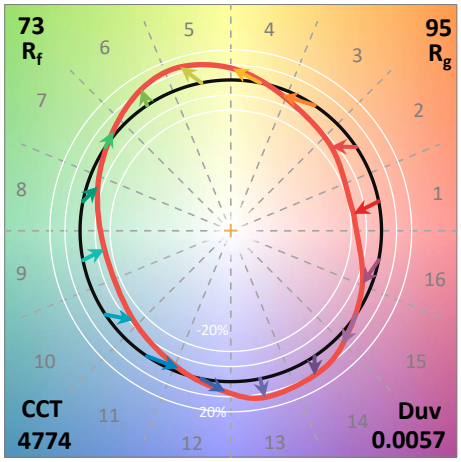
Spectral Power Distribution Comparison

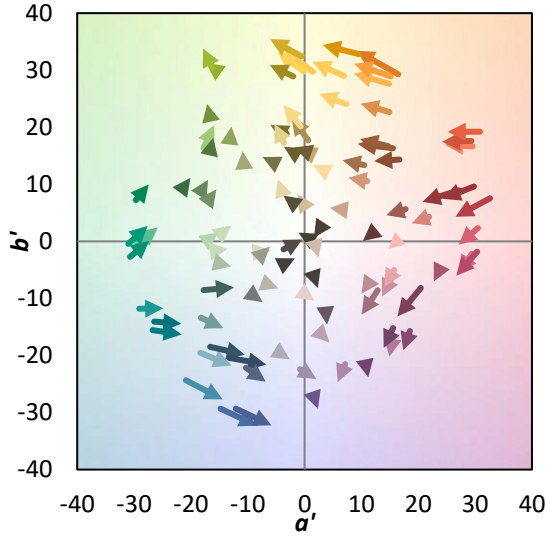


Color Vector Graphics









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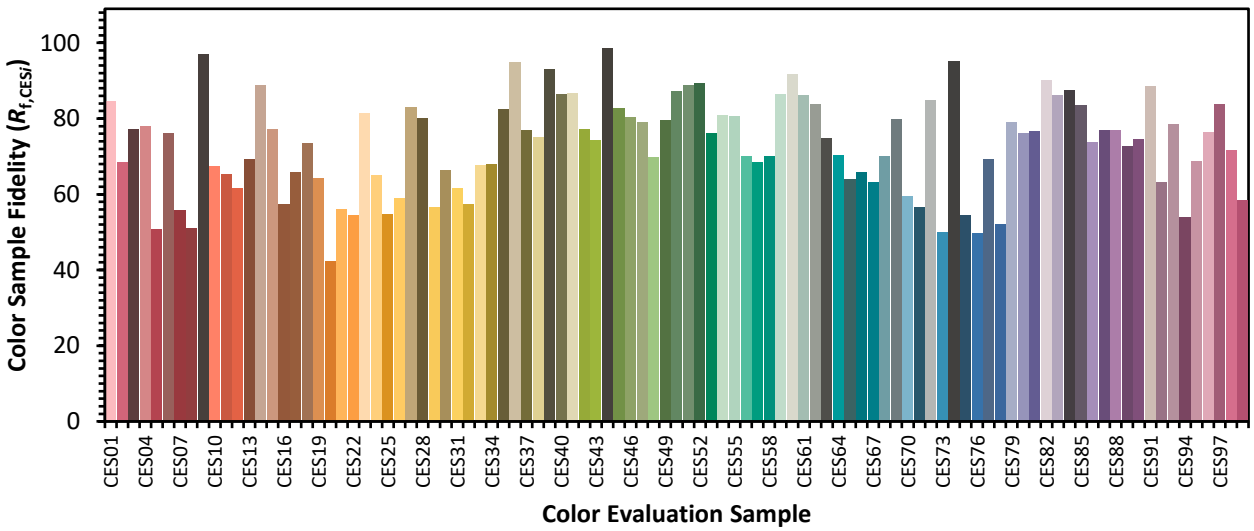
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 59	CES51 = 89	CES76 = 50
CES02 = 59	CES27 = 83	CES52 = 89	CES77 = 69
CES03 = 30	CES28 = 80	CES53 = 76	CES78 = 52
CES04 = 69	CES29 = 57	CES54 = 81	CES79 = 79
CES05 = 46	CES30 = 66	CES55 = 81	CES80 = 76
CES06 = 50	CES31 = 62	CES56 = 70	CES81 = 77
CES07 = 39	CES32 = 57	CES57 = 69	CES82 = 90
CES08 = 38	CES33 = 68	CES58 = 70	CES83 = 86
CES09 = 29	CES34 = 68	CES59 = 86	CES84 = 88
CES10 = 73	CES35 = 83	CES60 = 92	CES85 = 84
CES11 = 56	CES36 = 95	CES61 = 86	CES86 = 74
CES12 = 61	CES37 = 77	CES62 = 84	CES87 = 77
CES13 = 41	CES38 = 75	CES63 = 75	CES88 = 77
CES14 = 74	CES39 = 93	CES64 = 70	CES89 = 73
CES15 = 70	CES40 = 86	CES65 = 64	CES90 = 75
CES16 = 46	CES41 = 87	CES66 = 66	CES91 = 89
CES17 = 49	CES42 = 77	CES67 = 63	CES92 = 63
CES18 = 55	CES43 = 74	CES68 = 70	CES93 = 78
CES19 = 71	CES44 = 99	CES69 = 80	CES94 = 54
CES20 = 64	CES45 = 83	CES70 = 60	CES95 = 69
CES21 = 85	CES46 = 80	CES71 = 57	CES96 = 76
CES22 = 77	CES47 = 79	CES72 = 85	CES97 = 84
CES23 = 91	CES48 = 70	CES73 = 50	CES98 = 72
CES24 = 90	CES49 = 80	CES74 = 95	CES99 = 58
CES25 = 71	CES50 = 87	CES75 = 55	



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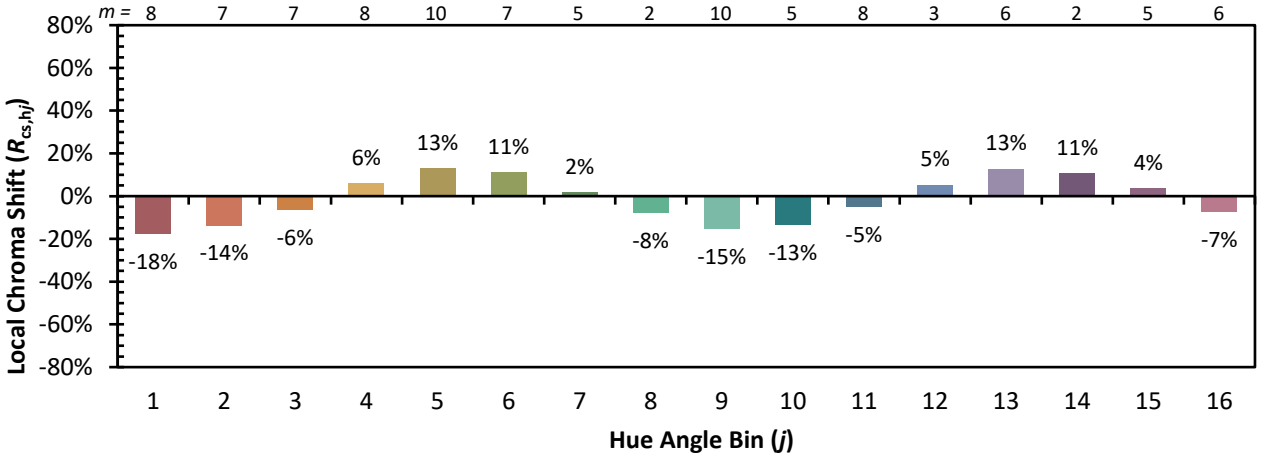
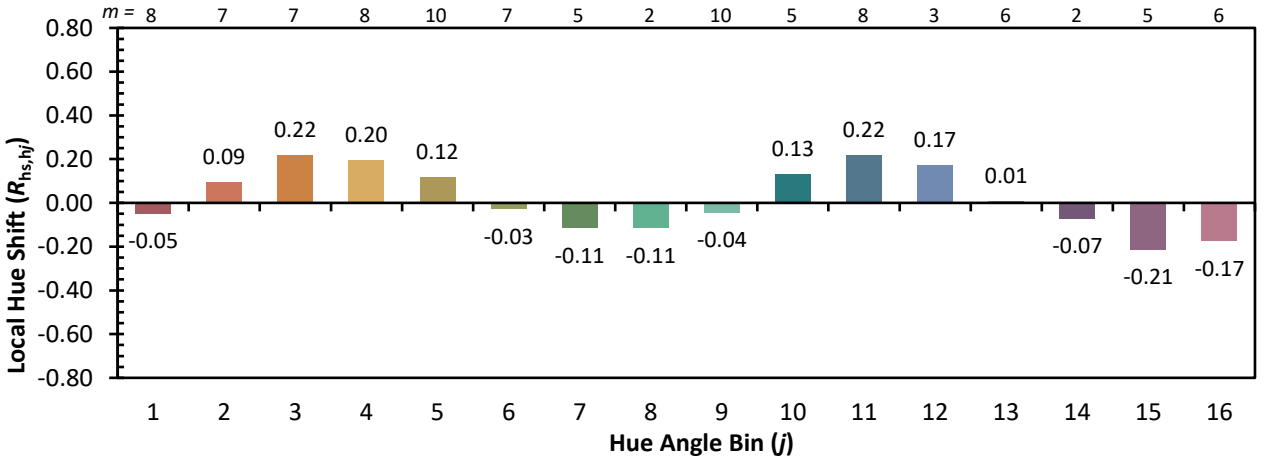
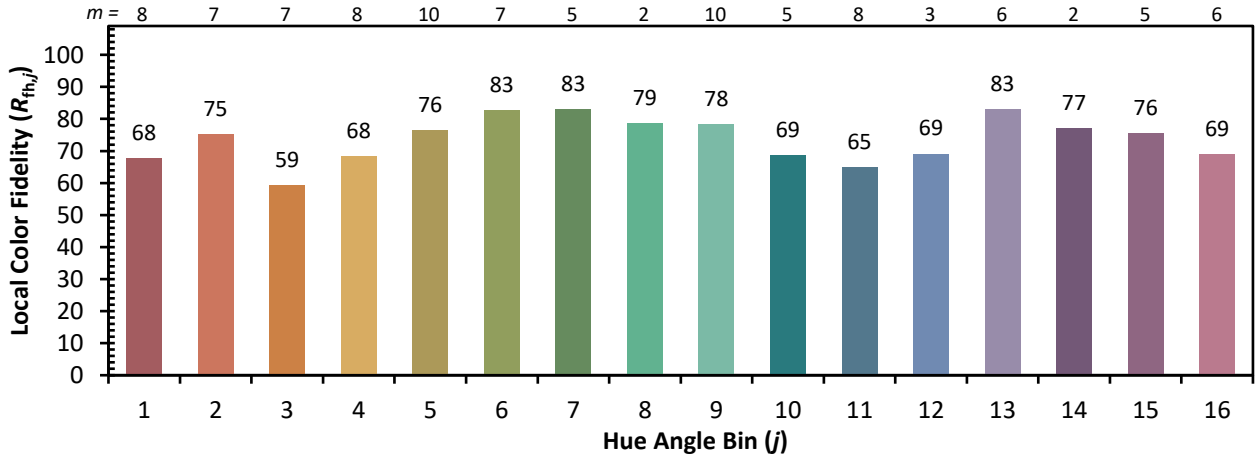
Color Rendition by Hue-Angle Bin







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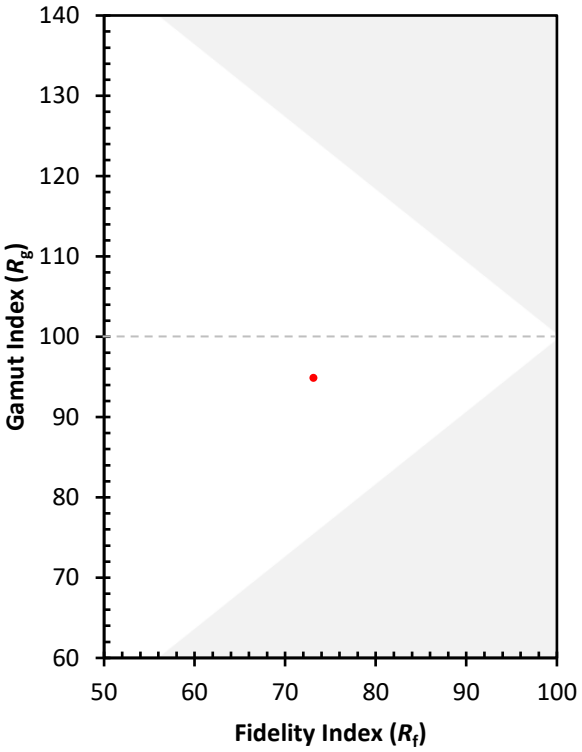
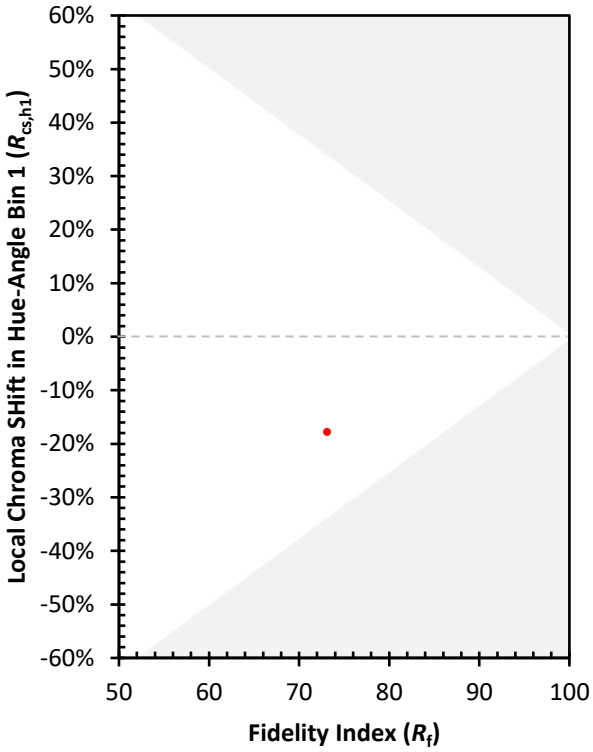
Measure Comparisons





(END OF REPORT)