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: P880255

Luminaire Tested: **EMM2-HSN-VA6-727-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:	P880255
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	10/01/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HSN-VA6-727-U-WT4
Description:	EPIC MODERN SHORT HOUSING 6W 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:	8929.6 lumens
Efficiency:	N/A
Efficacy:	84.2 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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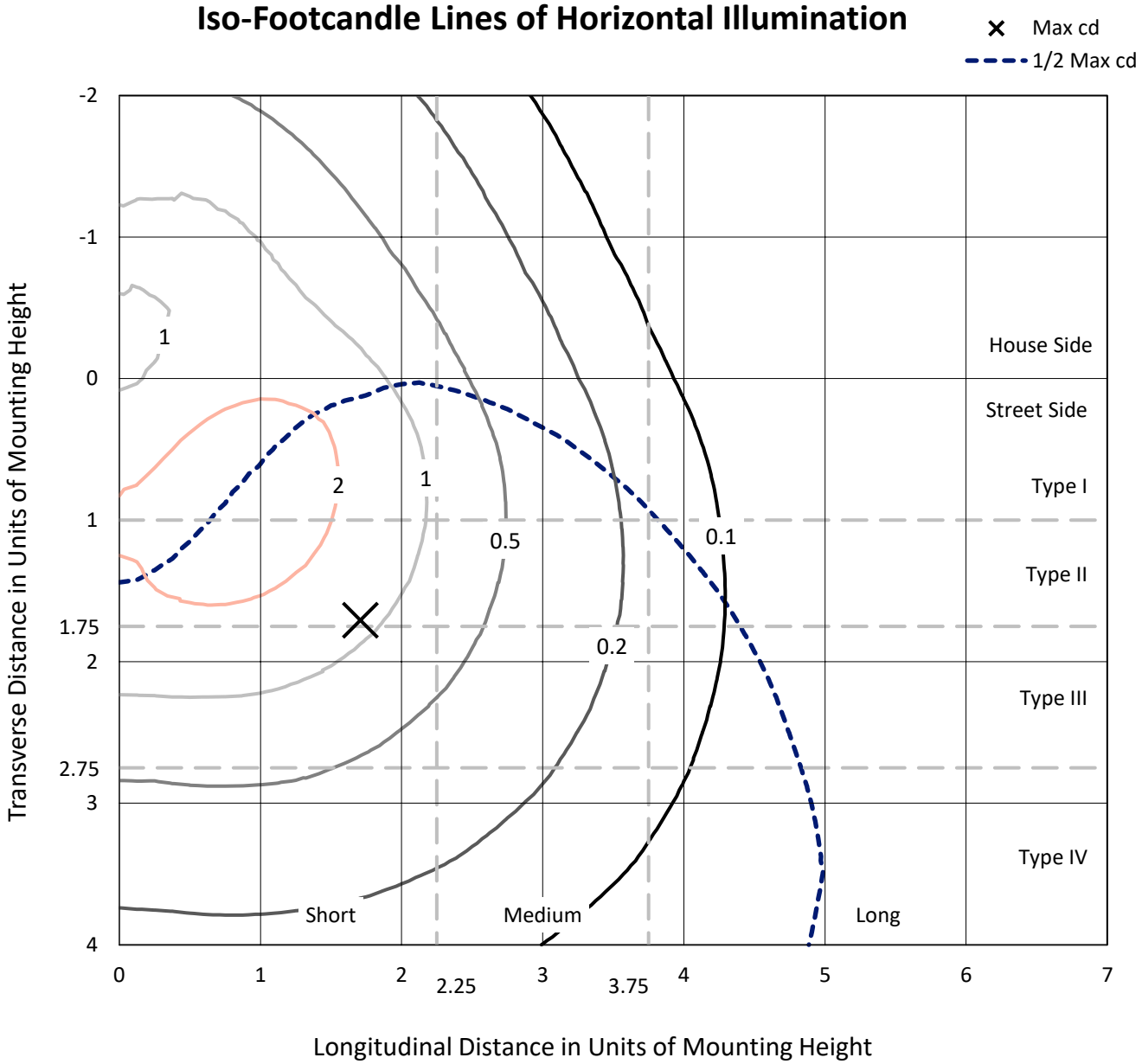
REPORT NUMBER: P880255
CATALOG NUMBER: EMM2-HSN-VA6-727-U-WT4

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
Type IV - Short - N/A

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REPORT NUMBER: P880255
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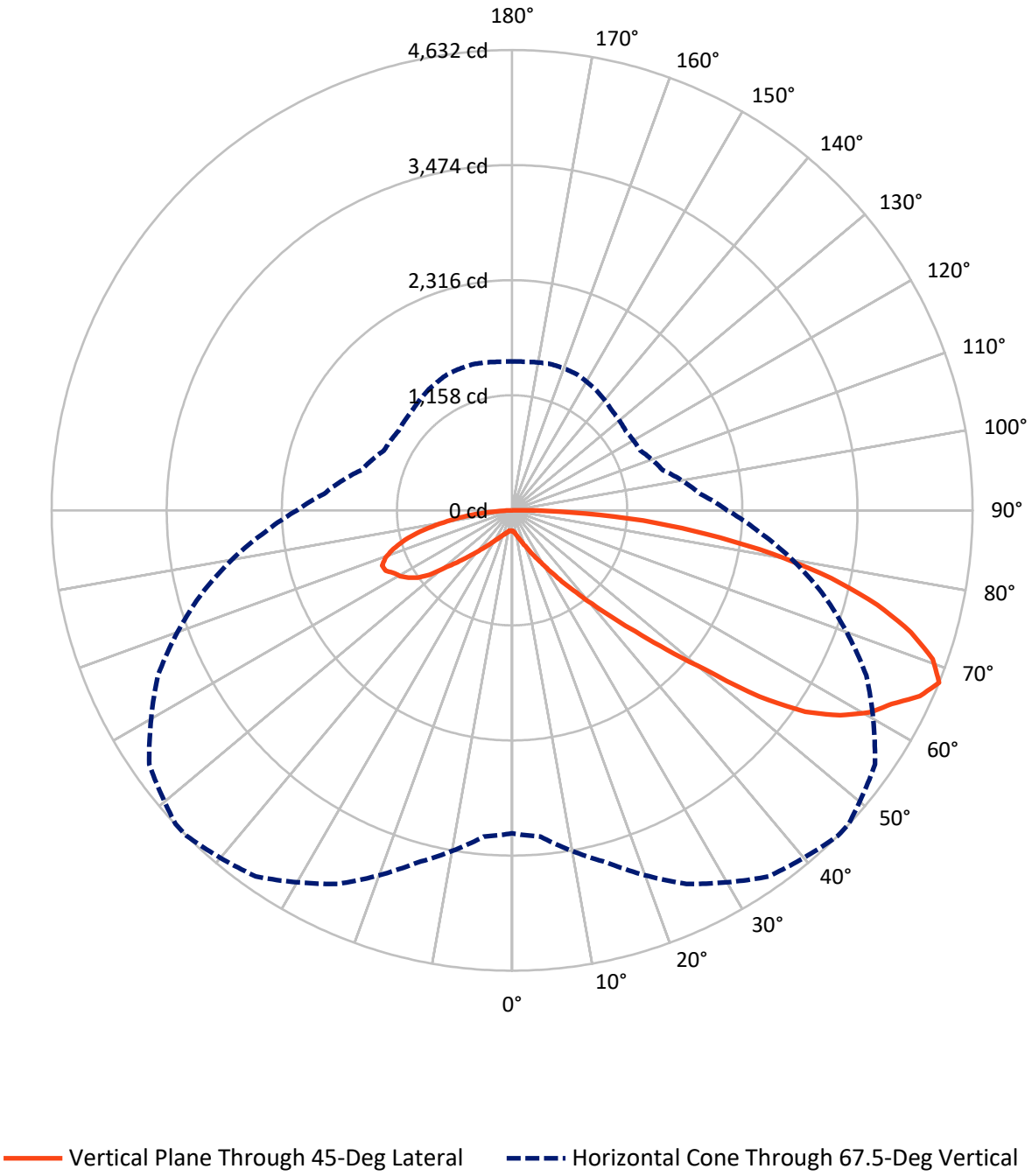
Luminous Intensity Polar Plot



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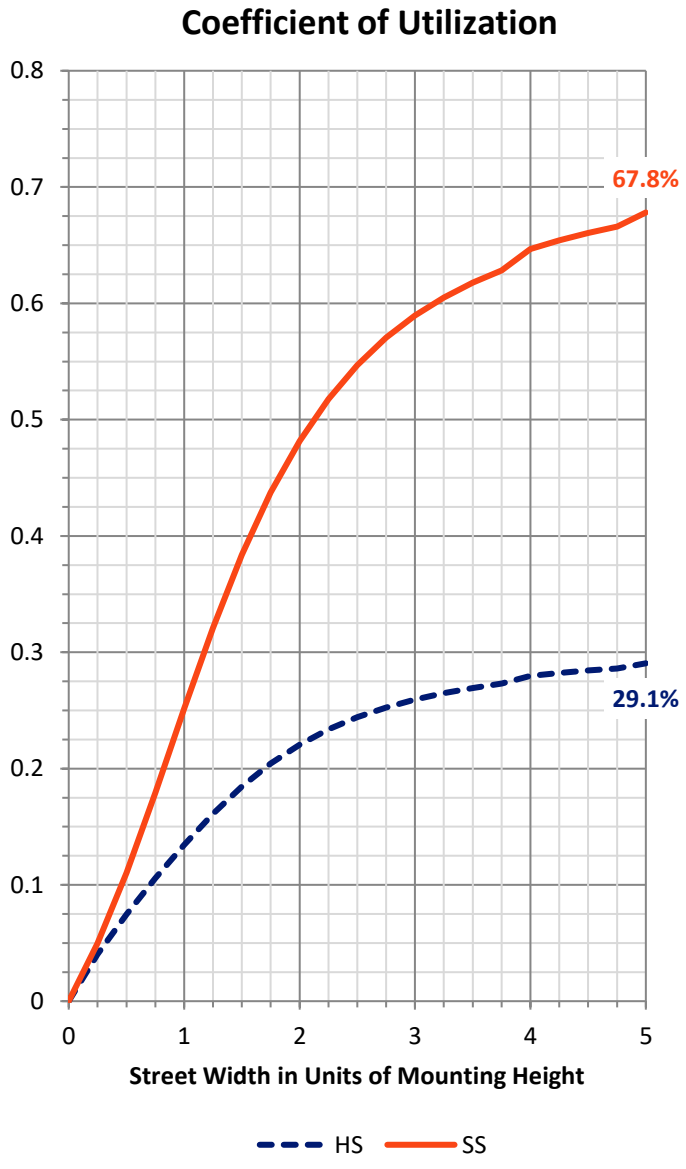
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2646.4	0.0	2646.4
	% Fixture	29.6	0.0	29.6
Street Side	Lumens	6283.2	0.0	6283.2
	% Fixture	70.4	0.0	70.4
Total	Lumens	8929.6	0.0	8929.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	0.2
10°-20°	79.4	0.9
20°-30°	187.1	2.1
30°-40°	410.4	4.6
40°-50°	893.5	10.0
50°-60°	1835.9	20.6
60°-70°	2586.5	29.0
70°-80°	2195.9	24.6
80°-90°	719.6	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°	8929.6	100.0
0°-180°	8929.6	100.0



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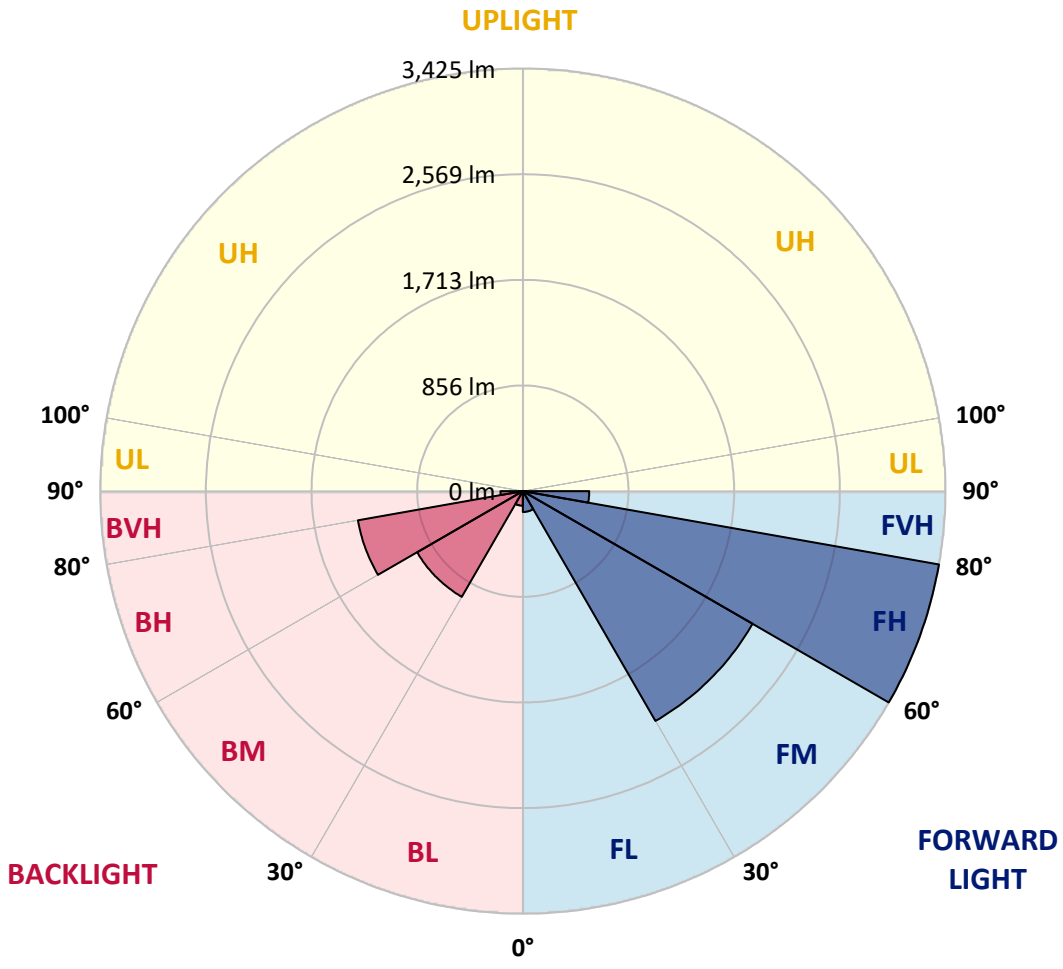
REPORT NUMBER: P880255
CATALOG NUMBER: EMM2-HSN-VA6-727-U-WT4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	169.0	1.9			
FM	(30°-60°)	2150.7	24.1			
FH	(60°-80°)	3425.4	38.4			G2/5000
FVH	(80°-90°)	538.1	6.0			G4/750
BL	(0°-30°)	118.8	1.3	B1/500		
BM	(30°-60°)	989.1	11.1	B1/1000		
BH	(60°-80°)	1357.0	15.2	B3/2500		G3/2500
BVH	(80°-90°)	181.5	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: P880255
CATALOG NUMBER: EMM2-HSN-VA6-727-U-WT4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	206.2	206.2	206.2	206.2	206.2	*206.2*	206.2	206.2	206.2	206.2	206.2
2.5°	212.6	211.7	212.6	212.6	212.6	*211.7*	211.7	211.7	210.8	209.8	208.9
5°	225.3	225.3	225.3	224.4	224.4	*222.6*	222.6	221.7	219.9	218.1	216.2
7.5°	242.7	241.8	241.8	240.9	239.9	*238.1*	237.2	236.3	232.6	229.9	226.3
10°	263.7	263.7	262.8	260.9	260.9	*256.4*	257.3	255.5	250.9	245.4	239.0
12.5°	289.2	289.2	287.4	287.4	285.6	*281.9*	281.0	278.3	273.7	264.6	257.3
15°	317.5	317.5	319.3	317.5	315.7	*311.1*	311.1	307.5	297.4	290.1	279.2
17.5°	353.1	348.5	351.3	350.3	350.3	*347.6*	344.9	340.3	332.1	319.3	305.6
20°	389.6	390.5	387.7	390.5	391.4	*387.7*	387.7	382.3	370.4	354.9	333.0
22.5°	435.2	435.2	429.7	437.0	441.6	*438.8*	437.9	427.0	412.4	391.4	369.5
25°	482.6	480.8	489.9	491.8	501.8	*500.9*	500.0	489.9	468.0	442.5	408.7
27.5°	536.5	539.2	556.5	561.1	571.1	*570.2*	569.3	558.4	534.6	500.0	456.2
30°	603.1	606.7	623.1	638.6	656.0	*657.8*	656.0	646.9	612.2	566.6	517.3
32.5°	680.6	690.6	707.1	733.5	755.4	*765.5*	767.3	750.9	711.6	651.4	586.6
35°	786.4	778.2	801.0	844.8	881.3	*901.4*	900.5	878.6	835.7	759.1	666.9
37.5°	890.5	887.7	923.3	980.8	1030.0	*1046.5*	1051.0	1036.4	981.7	880.4	771.8
40°	999.0	1021.8	1062.9	1129.5	1202.5	*1237.1*	1239.9	1218.9	1144.1	1030.0	886.8
42.5°	1140.4	1163.2	1215.2	1297.4	1403.2	*1460.7*	1464.3	1440.6	1350.3	1202.5	1025.5
45°	1319.3	1332.0	1386.8	1511.8	1647.7	*1739.8*	1766.3	1737.1	1625.8	1420.5	1197.9
47.5°	1511.8	1511.8	1601.2	1766.3	1971.6	*2092.9*	2113.0	2086.5	1920.5	1673.2	1390.4
50°	1726.2	1727.1	1869.4	2105.7	2364.8	*2516.3*	2531.8	2467.9	2267.2	1930.5	1586.6
52.5°	1948.8	1972.5	2180.5	2538.2	2885.8	*3117.5*	3133.0	3059.1	2791.8	2299.1	1795.5
55°	2255.3	2292.7	2594.7	3033.6	3394.8	*3577.3*	3578.2	3489.7	3168.6	2656.8	2045.5
57.5°	2680.5	2695.1	2977.0	3425.0	3766.2	*3891.2*	3882.0	3752.5	3382.1	2856.6	2250.8
60°	3031.7	3065.5	3295.4	3711.4	4044.4	*4130.2*	4120.2	3948.6	3528.0	2973.3	2349.3
62.5°	3262.6	3279.0	3517.1	3916.7	4216.0	*4288.0*	4277.1	4117.4	3706.9	3176.8	2513.5
65°	3318.2	3345.6	3647.6	4053.6	4343.7	*4506.1*	4498.8	4413.0	3991.5	3327.3	2591.1
67.5°	*3250.7*	*3296.3*	*3666.7*	*4147.5*	*4497.0*	*4632.0*	*4628.3*	*4455.9*	*3930.4*	*3230.6*	*2493.4*
70°	3112.9	3152.2	3612.0	4137.5	4452.3	*4488.7*	4460.5	4263.4	3750.7	3070.0	2347.5
72.5°	2895.8	2962.4	3411.3	3908.5	4171.3	*4195.0*	4184.9	3944.1	3480.6	2793.6	2126.7
75°	2611.1	2692.3	3099.2	3501.6	3751.6	*3792.6*	3773.5	3562.7	3093.8	2447.8	1853.0
77.5°	2250.8	2296.4	2606.6	2988.8	3276.2	*3283.5*	3272.6	3037.2	2605.7	2050.0	1559.2
80°	1773.6	1801.0	2070.1	2388.5	2626.6	*2655.8*	2645.8	2487.1	2069.2	1622.2	1216.2
82.5°	1313.8	1295.5	1476.2	1737.1	1973.4	*1975.2*	1991.7	1815.6	1549.2	1176.9	870.4
85°	756.3	763.6	920.6	1098.5	1241.7	*1324.7*	1323.8	1239.0	996.3	749.0	531.0
87.5°	210.8	227.2	326.6	475.3	540.1	*587.6*	570.2	514.6	416.0	235.4	135.0
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: P880255
CATALOG NUMBER: EMM2-HSN-VA6-727-U-WT4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	206.2	206.2	206.2	206.2	206.2	206.2	206.2	206.2	206.2	206.2	206.2
2.5°	208.9	208.0	207.1	206.2	204.4	204.4	203.5	204.4	204.4	204.4	204.4
5°	214.4	213.5	210.8	208.9	206.2	204.4	203.5	203.5	203.5	203.5	203.5
7.5°	223.5	222.6	218.1	214.4	210.8	208.9	207.1	206.2	205.3	204.4	205.3
10°	237.2	233.6	229.0	223.5	218.1	215.3	212.6	211.7	210.8	209.8	209.8
12.5°	252.7	250.0	241.8	234.5	229.0	224.4	220.8	219.0	218.1	217.1	217.1
15°	273.7	268.2	257.3	248.2	239.9	234.5	230.8	229.0	228.1	227.2	227.2
17.5°	297.4	290.1	275.5	263.7	254.5	247.2	242.7	239.9	238.1	239.0	239.9
20°	324.8	312.9	296.5	281.9	270.1	261.8	257.3	253.6	251.8	252.7	253.6
22.5°	356.7	344.0	320.2	302.9	288.3	278.3	273.7	271.0	269.1	268.2	266.4
25°	393.2	376.8	349.4	325.7	308.4	298.3	292.9	291.0	289.2	287.4	287.4
27.5°	437.0	417.9	380.4	354.9	333.9	323.9	317.5	314.8	314.8	312.0	312.0
30°	488.1	462.6	416.9	383.2	362.2	349.4	342.1	341.2	339.4	342.1	342.1
32.5°	549.2	514.6	458.9	419.7	396.0	384.1	376.8	375.0	372.2	374.1	379.5
35°	625.9	581.2	514.6	468.0	438.8	427.0	417.9	416.9	412.4	416.9	409.6
37.5°	711.6	662.4	573.9	519.1	487.2	473.5	467.1	464.4	463.5	463.5	458.0
40°	816.6	757.2	649.6	582.1	545.6	529.2	522.8	521.9	520.0	526.4	520.0
42.5°	946.1	855.8	728.1	651.4	614.0	596.7	589.4	586.6	591.2	593.9	593.0
45°	1090.3	992.6	828.4	739.9	697.0	679.7	669.7	666.9	668.8	668.8	677.9
47.5°	1256.3	1141.3	943.4	836.6	797.4	776.4	770.0	760.9	756.3	754.5	770.0
50°	1429.6	1286.4	1061.1	941.5	906.0	889.5	891.4	873.1	866.7	859.4	857.6
52.5°	1603.9	1441.5	1195.2	1087.5	1046.5	1054.7	1051.0	1031.9	994.5	985.3	963.4
55°	1812.8	1616.7	1323.8	1195.2	1159.6	1166.0	1180.6	1180.6	1172.4	1152.3	1135.0
57.5°	1989.8	1761.7	1420.5	1260.0	1228.9	1245.4	1274.5	1296.4	1315.6	1330.2	1329.3
60°	2088.4	1851.2	1483.5	1309.2	1272.7	1304.7	1348.4	1385.9	1426.9	1469.8	1468.0
62.5°	2224.3	1976.1	1595.7	1396.8	1333.9	1343.9	1394.1	1458.8	1496.2	1531.8	1541.9
65°	2259.9	1999.0	1637.7	1458.8	1407.8	1409.6	1443.3	1496.2	1528.2	1537.3	1542.8
67.5°	*2164.1*	*1898.6*	*1568.3*	*1422.3*	*1395.0*	*1420.5*	*1475.3*	*1517.2*	*1521.8*	*1499.9*	*1498.1*
70°	2019.9	1775.4	1458.8	1336.6	1319.3	1358.5	1430.6	1480.7	1469.8	1425.1	1422.3
72.5°	1816.5	1589.3	1312.0	1223.5	1206.1	1255.4	1319.3	1372.2	1355.7	1322.0	1319.3
75°	1572.0	1359.4	1134.0	1068.4	1067.4	1121.3	1176.9	1208.9	1207.9	1184.2	1176.9
77.5°	1306.5	1134.0	934.2	874.9	896.8	947.9	989.0	1012.7	1004.5	996.3	993.5
80°	1022.7	869.5	720.8	685.2	718.9	736.3	780.1	778.2	782.8	765.5	778.2
82.5°	728.1	626.8	516.4	500.9	505.4	540.1	563.8	561.1	549.2	536.5	531.0
85°	441.6	385.9	331.2	309.3	324.8	322.1	336.7	324.8	317.5	311.1	316.6
87.5°	122.3	105.8	101.3	73.0	90.3	71.2	74.8	52.0	45.6	54.7	47.4
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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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

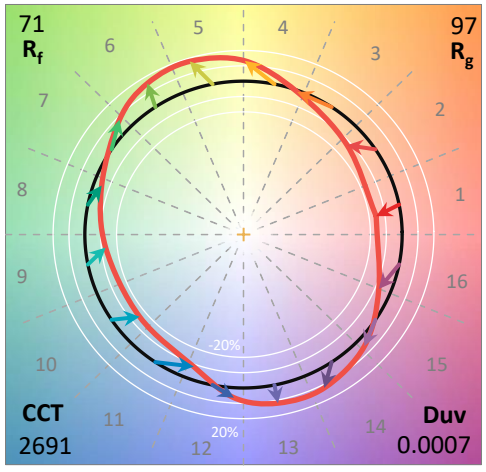
Test Information

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

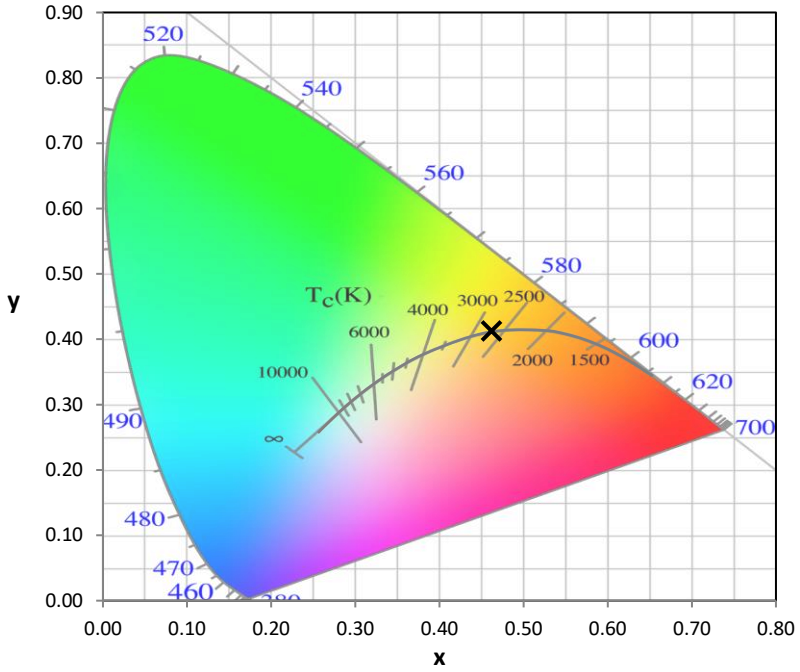
Stabilization Time:	28M
Operation Time:	1H 28M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-176-2

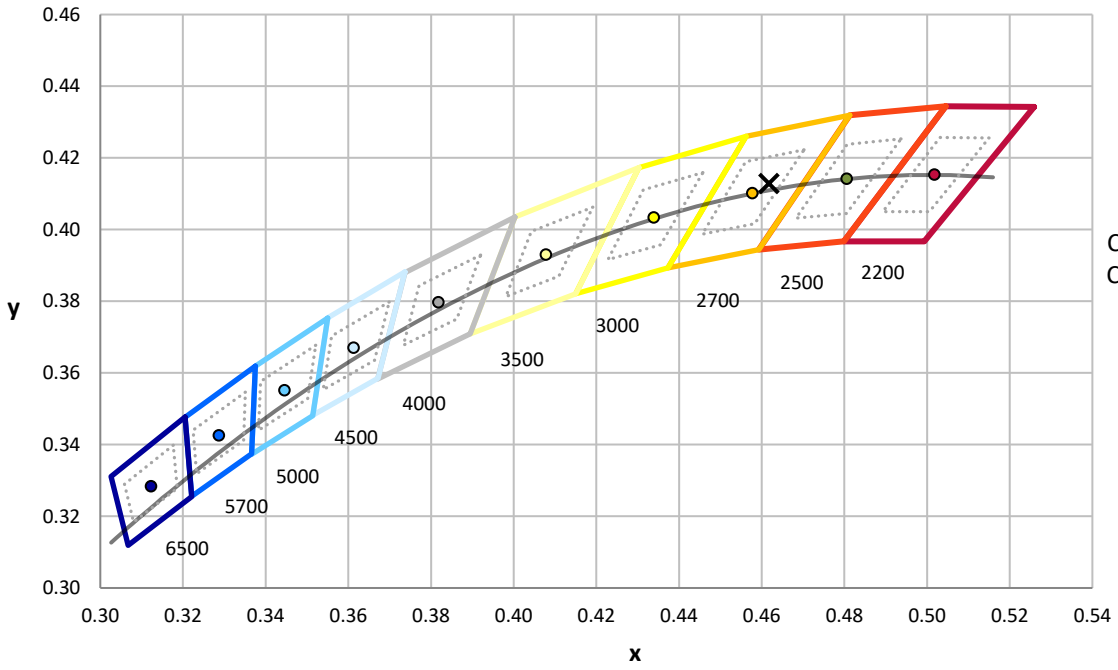
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

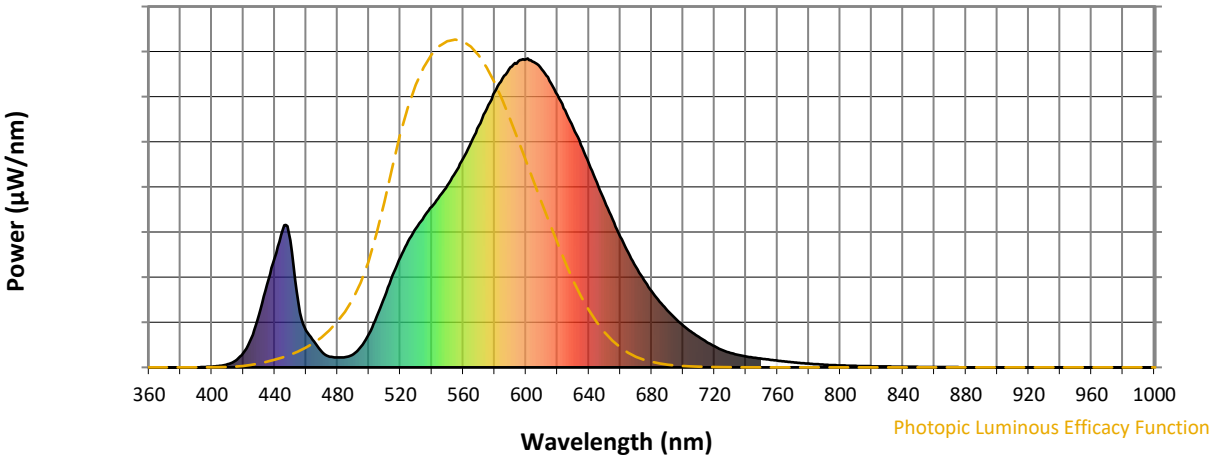


CCT = 2691K
CIE x = 0.4618
CIE y = 0.4129
Duv = 0.0007

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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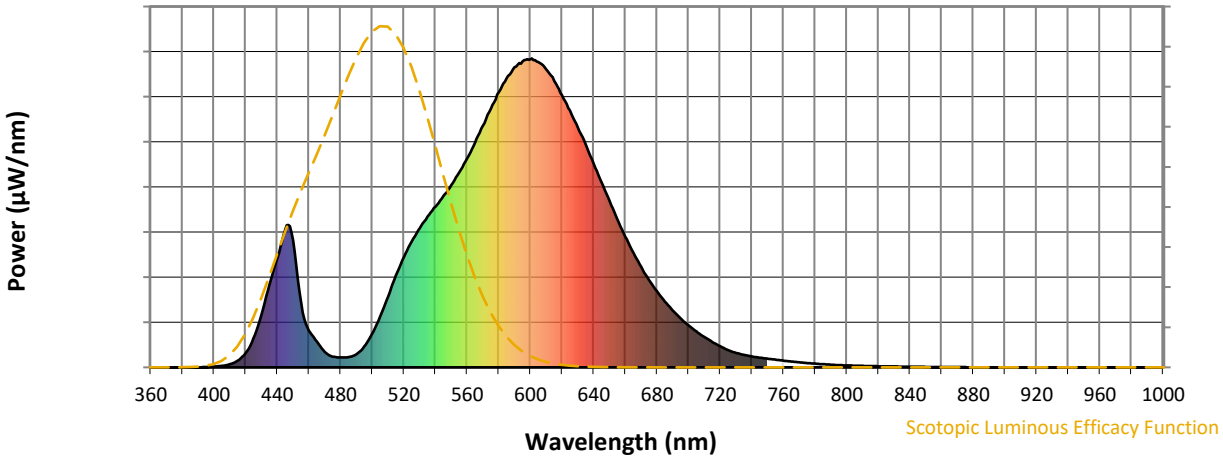
Scotopic Flux vs. Wavelength



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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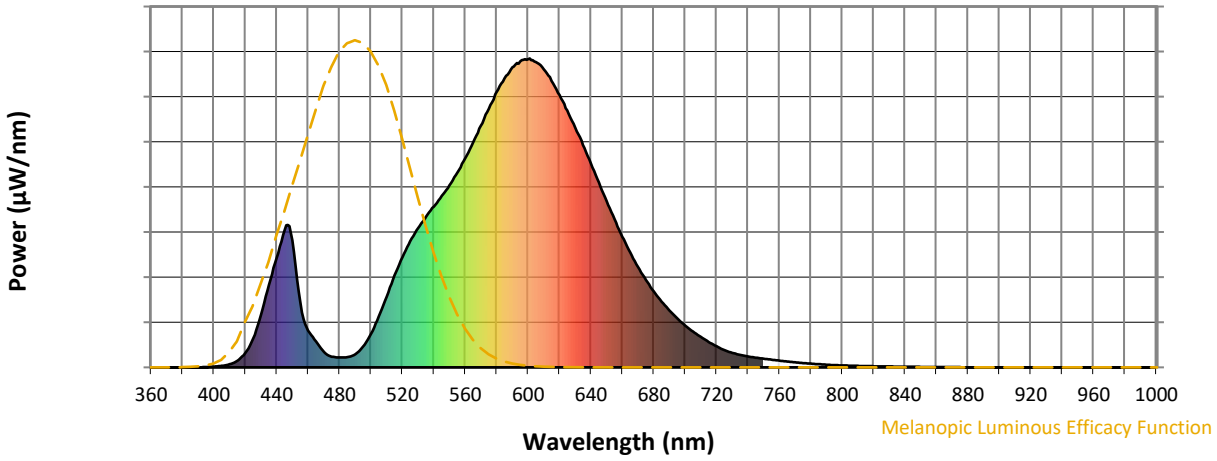
Melanopic Flux vs. Wavelength



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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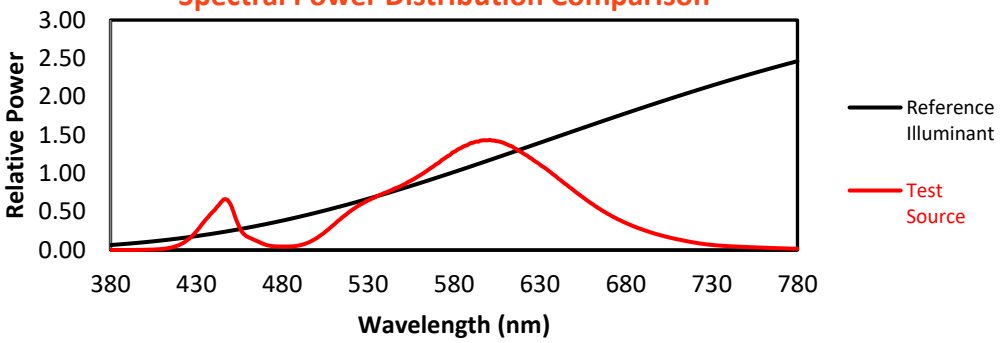
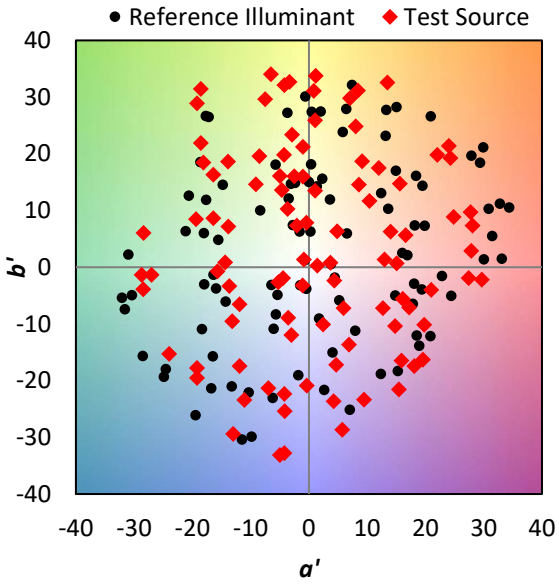
Summary

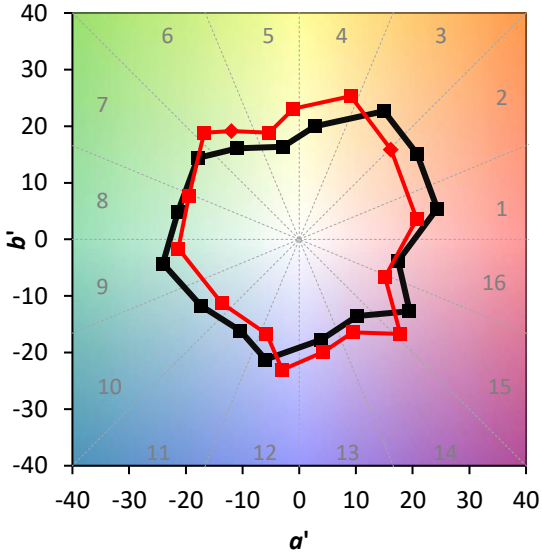
R_f = 70.6
R_g = 97.2
CIE R_a = 70.6
R_9 = -27.1

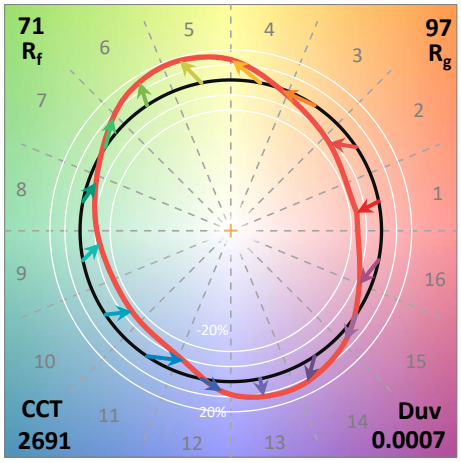
Spectral Power Distribution Comparison

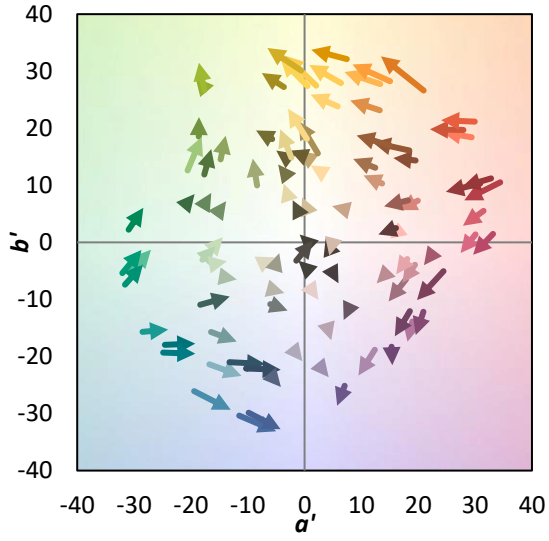


Color Vector Graphics









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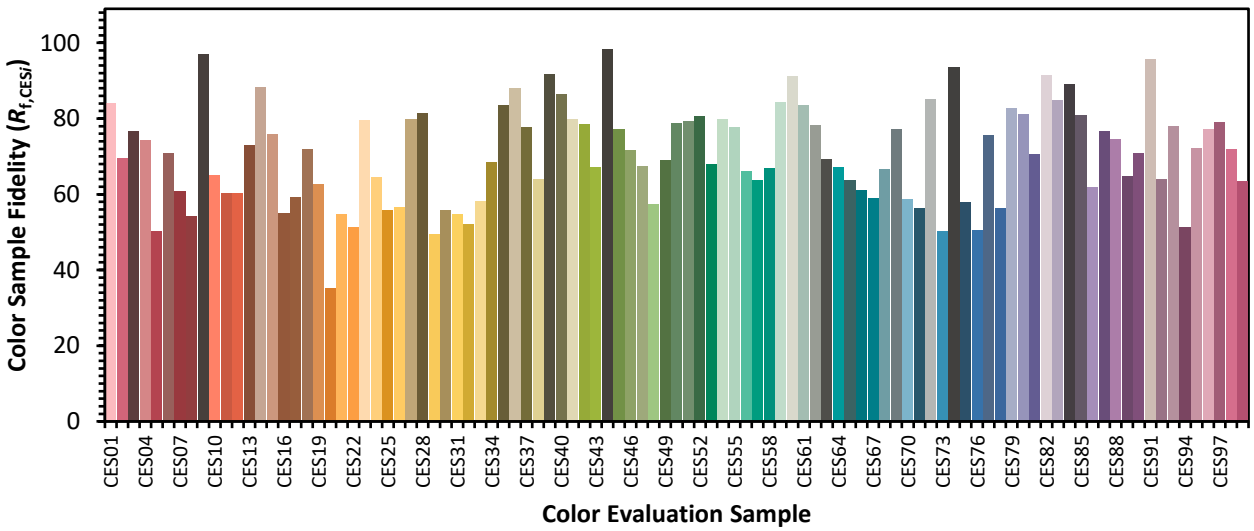
Individual Sample Fidelity Index ($R_{f,i}$)

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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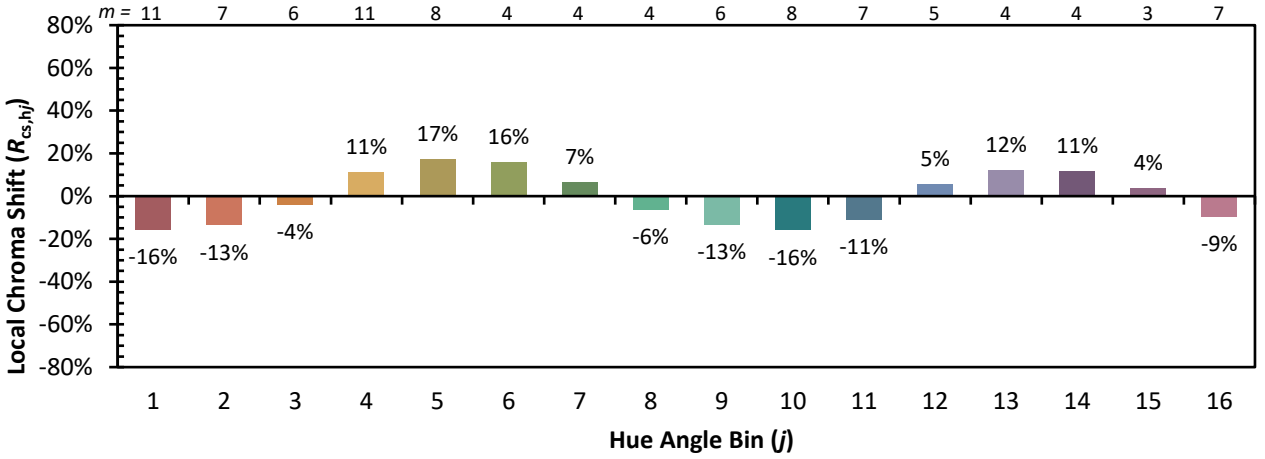
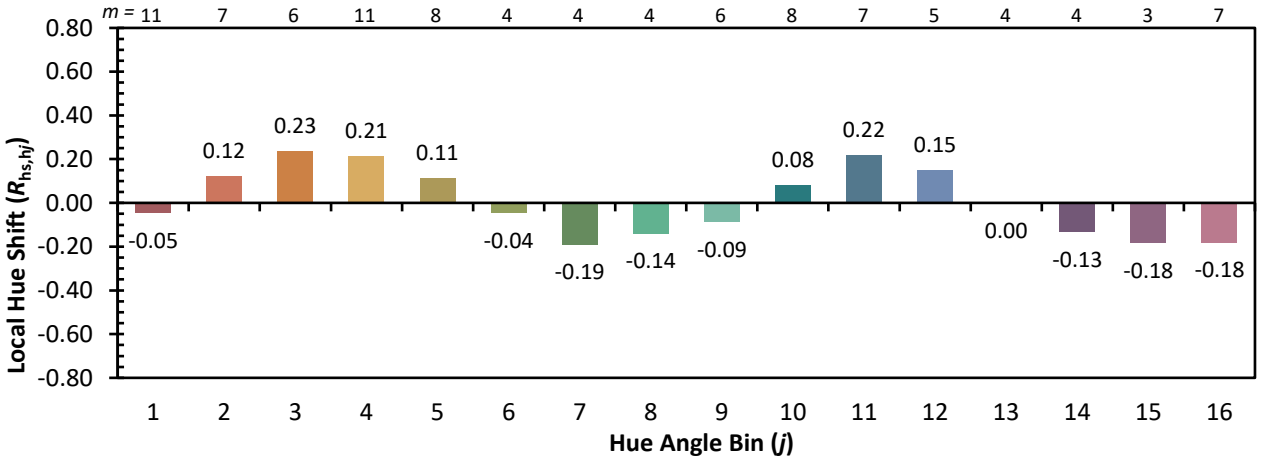
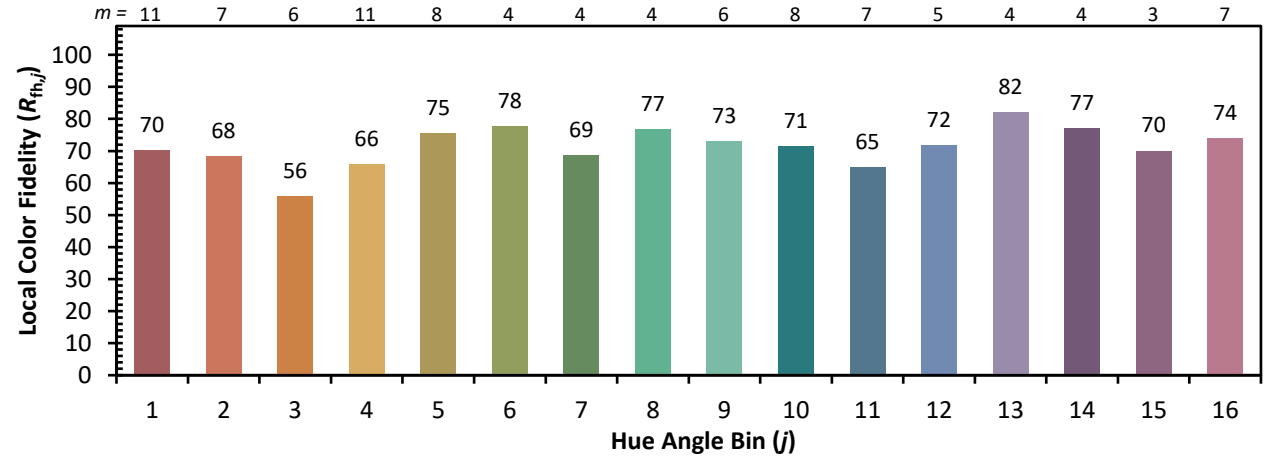
Color Rendition by Hue-Angle Bin







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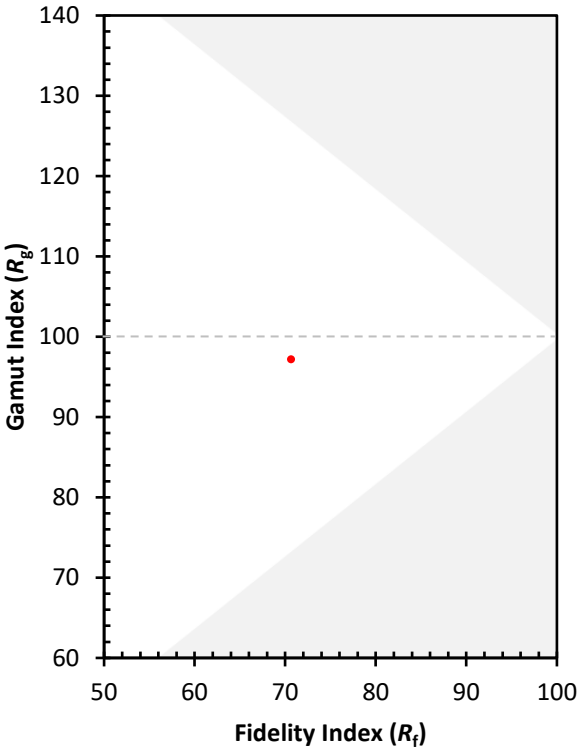
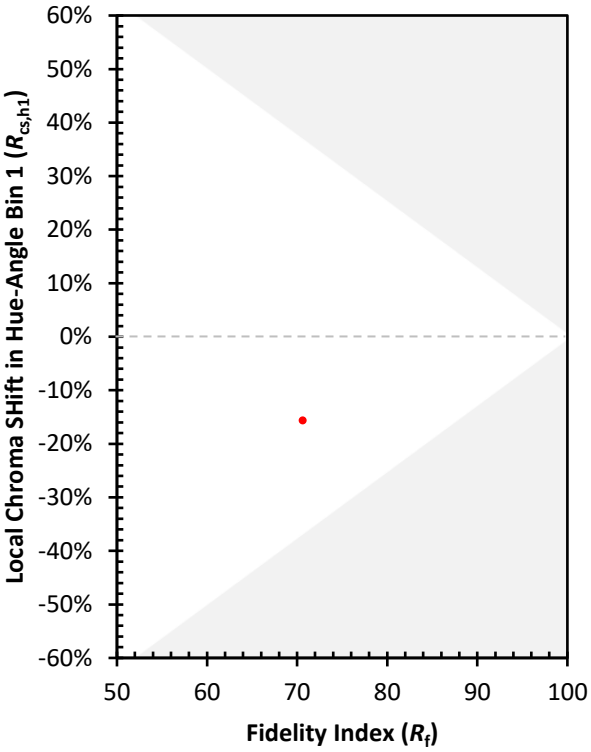
Measure Comparisons





(END OF REPORT)