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: P879855

Luminaire Tested: **MEM2-HTN-VA-40-727-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:	P879855
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	10/01/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HTN-VA-40-727-U-WT4
Description:	EPIC MODERN TALL HOUSING 40W 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:	3922.6 lumens
Efficiency:	N/A
Efficacy:	101.6 lumens/watt
Luminous Opening:	Circular (Dia: 1.12' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	38.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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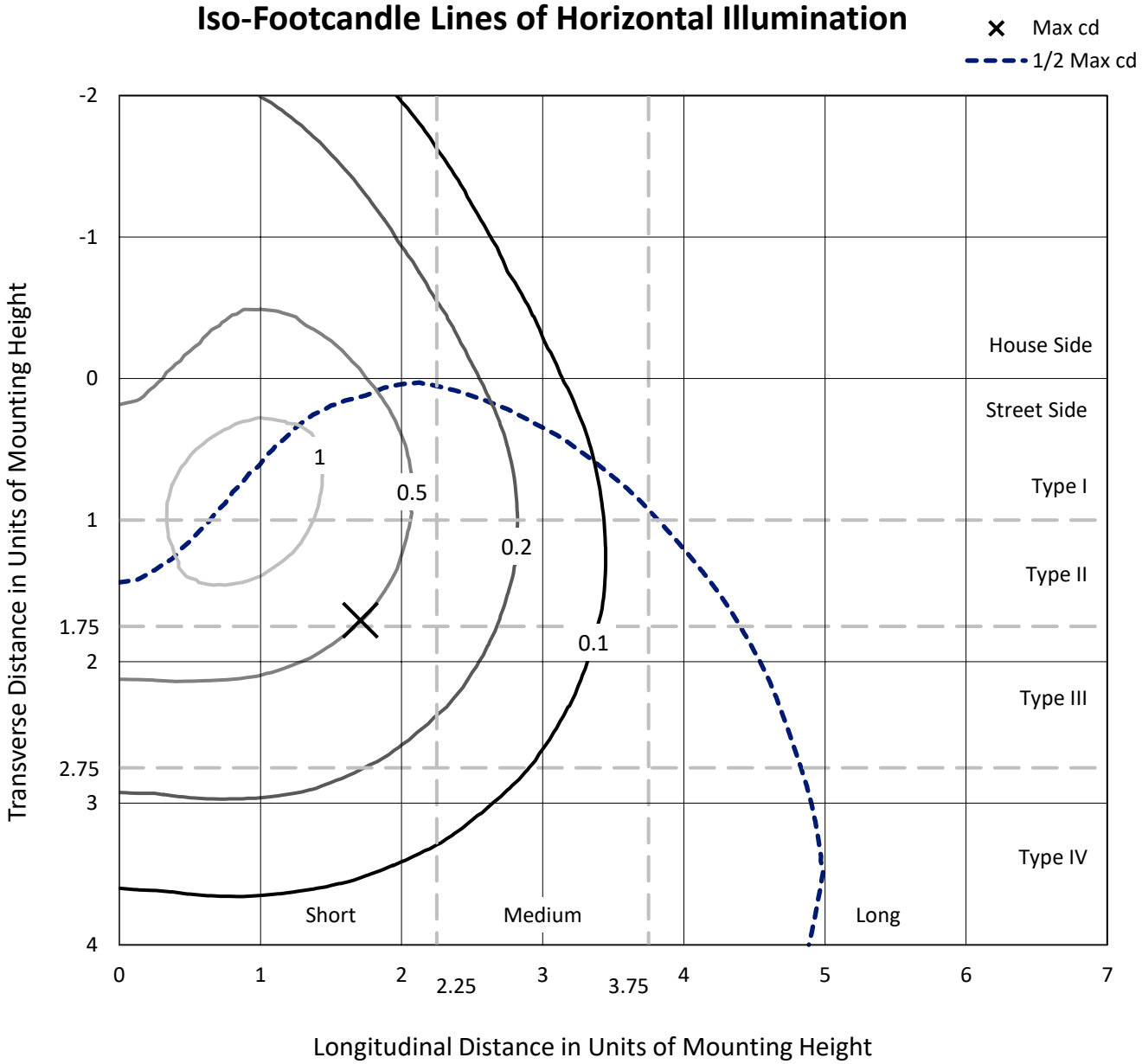
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 1.4 fc
Type IV - Short - N/A

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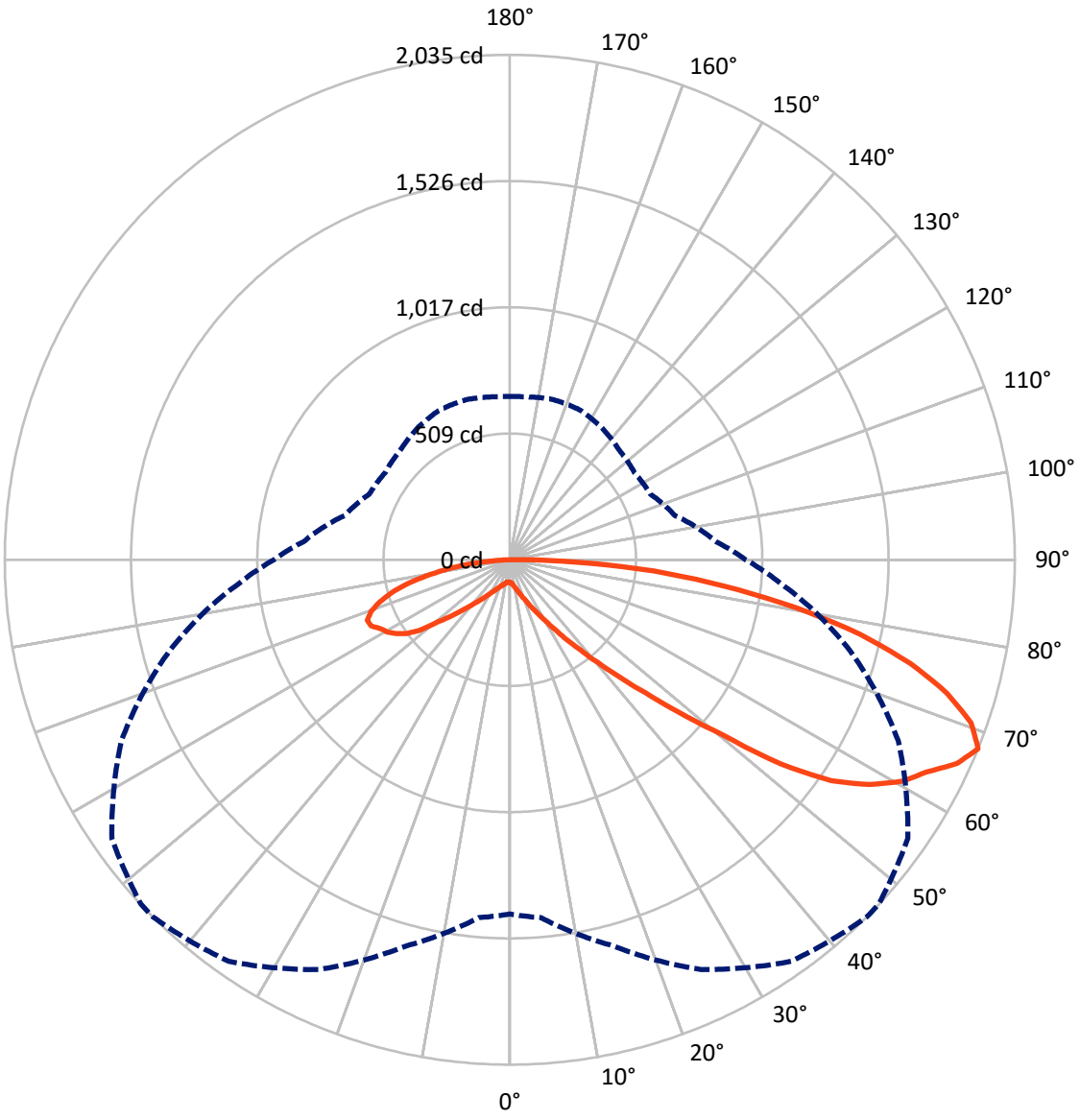
Luminous Intensity Polar Plot



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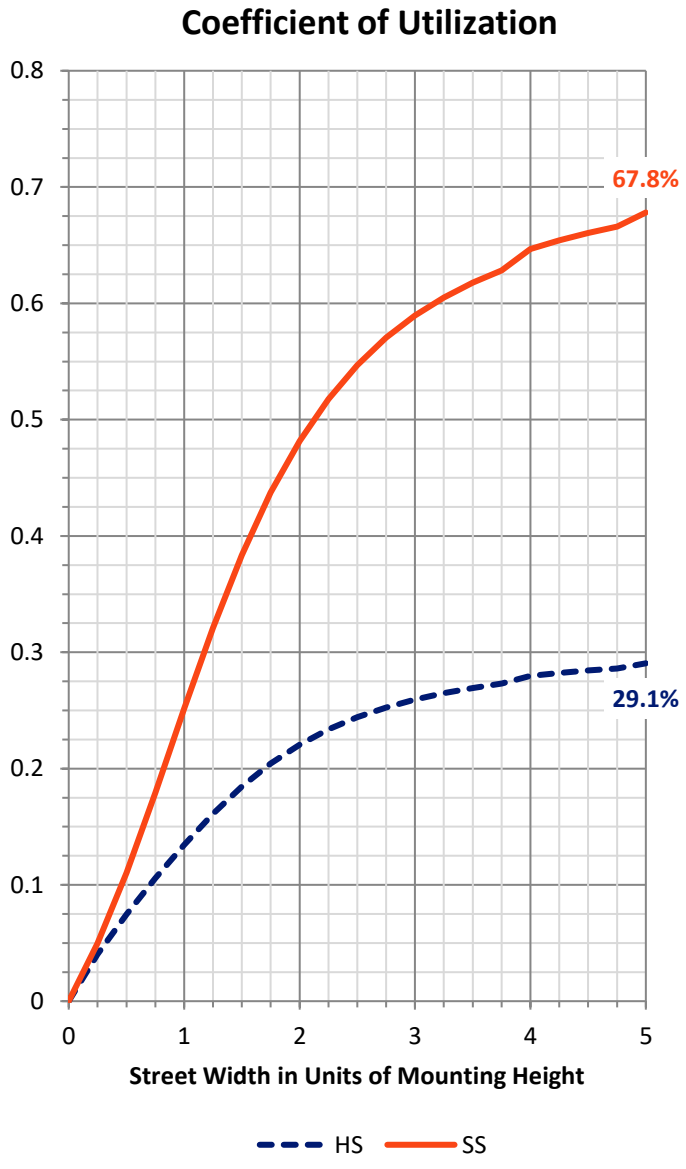
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1162.5	0.0	1162.5
	% Fixture	29.6	0.0	29.6
Street Side	Lumens	2760.1	0.0	2760.1
	% Fixture	70.4	0.0	70.4
Total	Lumens	3922.6	0.0	3922.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.2
10°-20°	34.9	0.9
20°-30°	82.2	2.1
30°-40°	180.3	4.6
40°-50°	392.5	10.0
50°-60°	806.5	20.6
60°-70°	1136.2	29.0
70°-80°	964.6	24.6
80°-90°	316.1	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°	3922.6	100.0
0°-180°	3922.6	100.0



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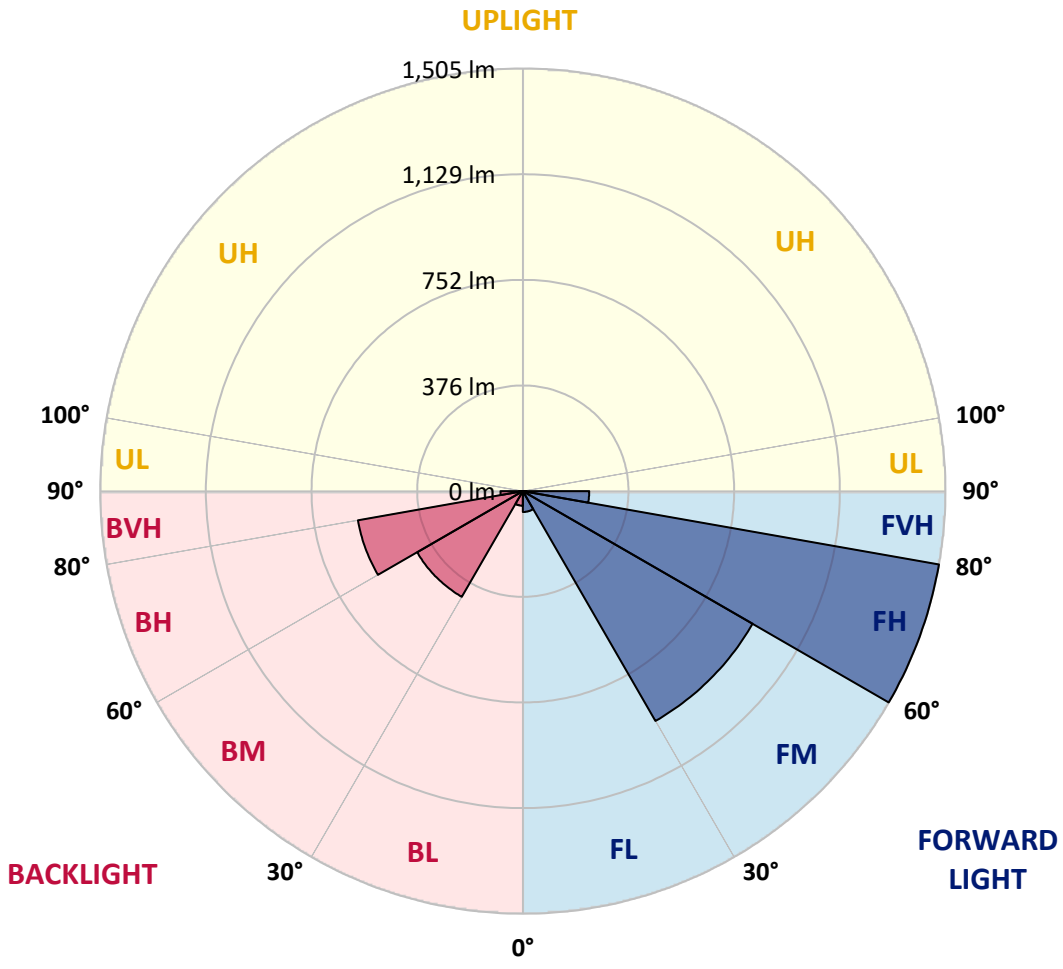
CATALOG NUMBER: MEM2-HTN-VA-40-727-U-WT4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	74.2	1.9			
FM	(30°-60°)	944.8	24.1			
FH	(60°-80°)	1504.7	38.4			G1/1800
FVH	(80°-90°)	236.4	6.0			G3/500
BL	(0°-30°)	52.2	1.3	B0/110		
BM	(30°-60°)	434.5	11.1	B1/1000		
BH	(60°-80°)	596.1	15.2	B2/1000		G2/1000
BVH	(80°-90°)	79.7	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: P879855
CATALOG NUMBER: MEM2-HTN-VA-40-727-U-WT4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	90.6	90.6	90.6	90.6	90.6	*90.6*	90.6	90.6	90.6	90.6	90.6
2.5°	93.4	93.0	93.4	93.4	93.4	*93.0*	93.0	93.0	92.6	92.2	91.8
5°	99.0	99.0	99.0	98.6	98.6	*97.8*	97.8	97.4	96.6	95.8	95.0
7.5°	106.6	106.2	106.2	105.8	105.4	*104.6*	104.2	103.8	102.2	101.0	99.4
10°	115.8	115.8	115.4	114.6	114.6	*112.6*	113.0	112.2	110.2	107.8	105.0
12.5°	127.0	127.0	126.2	126.2	125.4	*123.8*	123.4	122.2	120.2	116.2	113.0
15°	139.5	139.5	140.3	139.5	138.7	*136.7*	136.7	135.1	130.7	127.4	122.6
17.5°	155.1	153.1	154.3	153.9	153.9	*152.7*	151.5	149.5	145.9	140.3	134.3
20°	171.1	171.5	170.3	171.5	171.9	*170.3*	170.3	167.9	162.7	155.9	146.3
22.5°	191.2	191.2	188.8	192.0	194.0	*192.8*	192.4	187.6	181.1	171.9	162.3
25°	212.0	211.2	215.2	216.0	220.4	*220.0*	219.6	215.2	205.6	194.4	179.5
27.5°	235.7	236.9	244.5	246.5	250.9	*250.5*	250.1	245.3	234.9	219.6	200.4
30°	264.9	266.5	273.7	280.5	288.2	*289.0*	288.2	284.1	268.9	248.9	227.2
32.5°	299.0	303.4	310.6	322.2	331.8	*336.2*	337.1	329.8	312.6	286.2	257.7
35°	345.5	341.9	351.9	371.1	387.1	*396.0*	395.6	385.9	367.1	333.4	293.0
37.5°	391.2	390.0	405.6	430.8	452.5	*459.7*	461.7	455.3	431.2	386.7	339.1
40°	438.8	448.9	466.9	496.2	528.2	*543.4*	544.7	535.4	502.6	452.5	389.6
42.5°	501.0	511.0	533.8	569.9	616.4	*641.6*	643.2	632.8	593.1	528.2	450.5
45°	579.5	585.1	609.2	664.1	723.8	*764.3*	775.9	763.1	714.2	624.0	526.2
47.5°	664.1	664.1	703.4	775.9	866.1	*919.4*	928.2	916.6	843.6	735.0	610.8
50°	758.3	758.7	821.2	925.0	1038.8	*1105.3*	1112.1	1084.1	995.9	848.0	696.9
52.5°	856.1	866.5	957.8	1115.0	1267.6	*1369.4*	1376.3	1343.8	1226.4	1009.9	788.7
55°	990.7	1007.1	1139.8	1332.6	1491.3	*1571.4*	1571.8	1533.0	1391.9	1167.1	898.5
57.5°	1177.5	1183.9	1307.7	1504.5	1654.4	*1709.3*	1705.3	1648.4	1485.7	1254.8	988.7
60°	1331.8	1346.6	1447.6	1630.3	1776.6	*1814.3*	1809.9	1734.5	1549.8	1306.1	1032.0
62.5°	1433.2	1440.4	1545.0	1720.5	1852.0	*1883.6*	1878.8	1808.7	1628.3	1395.5	1104.1
65°	1457.6	1469.6	1602.3	1780.6	1908.1	*1979.4*	1976.2	1938.5	1753.4	1461.6	1138.2
67.5°	*1428.0*	*1448.0*	*1610.7*	*1821.9*	*1975.4*	*2034.7*	*2033.1*	*1957.4*	*1726.5*	*1419.1*	*1095.3*
70°	1367.4	1384.7	1586.7	1817.5	1955.8	*1971.8*	1959.4	1872.8	1647.6	1348.6	1031.2
72.5°	1272.1	1301.3	1498.5	1716.9	1832.3	*1842.8*	1838.3	1732.5	1529.0	1227.2	934.2
75°	1147.0	1182.7	1361.4	1538.2	1648.0	*1666.0*	1657.6	1565.0	1359.0	1075.3	814.0
77.5°	988.7	1008.7	1145.0	1312.9	1439.2	*1442.4*	1437.6	1334.2	1144.6	900.5	684.9
80°	779.1	791.1	909.4	1049.2	1153.8	*1166.7*	1162.2	1092.5	909.0	712.6	534.2
82.5°	577.1	569.1	648.5	763.1	866.9	*867.7*	874.9	797.5	680.5	517.0	382.3
85°	332.2	335.4	404.4	482.5	545.5	*581.9*	581.5	544.3	437.6	329.0	233.3
87.5°	92.6	99.8	143.5	208.8	237.3	*258.1*	250.5	226.0	182.8	103.4	59.3
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: P879855
CATALOG NUMBER: MEM2-HTN-VA-40-727-U-WT4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
2.5°	91.8	91.4	91.0	90.6	89.8	89.8	89.4	89.8	89.8	89.8	89.8
5°	94.2	93.8	92.6	91.8	90.6	89.8	89.4	89.4	89.4	89.4	89.4
7.5°	98.2	97.8	95.8	94.2	92.6	91.8	91.0	90.6	90.2	89.8	90.2
10°	104.2	102.6	100.6	98.2	95.8	94.6	93.4	93.0	92.6	92.2	92.2
12.5°	111.0	109.8	106.2	103.0	100.6	98.6	97.0	96.2	95.8	95.4	95.4
15°	120.2	117.8	113.0	109.0	105.4	103.0	101.4	100.6	100.2	99.8	99.8
17.5°	130.7	127.4	121.0	115.8	111.8	108.6	106.6	105.4	104.6	105.0	105.4
20°	142.7	137.5	130.3	123.8	118.6	115.0	113.0	111.4	110.6	111.0	111.4
22.5°	156.7	151.1	140.7	133.1	126.6	122.2	120.2	119.0	118.2	117.8	117.0
25°	172.7	165.5	153.5	143.1	135.5	131.1	128.6	127.8	127.0	126.2	126.2
27.5°	192.0	183.6	167.1	155.9	146.7	142.3	139.5	138.3	138.3	137.1	137.1
30°	214.4	203.2	183.2	168.3	159.1	153.5	150.3	149.9	149.1	150.3	150.3
32.5°	241.3	226.0	201.6	184.4	173.9	168.7	165.5	164.7	163.5	164.3	166.7
35°	274.9	255.3	226.0	205.6	192.8	187.6	183.6	183.2	181.1	183.2	179.9
37.5°	312.6	291.0	252.1	228.0	214.0	208.0	205.2	204.0	203.6	203.6	201.2
40°	358.7	332.6	285.4	255.7	239.7	232.4	229.6	229.2	228.4	231.2	228.4
42.5°	415.6	375.9	319.8	286.2	269.7	262.1	258.9	257.7	259.7	260.9	260.5
45°	478.9	436.0	363.9	325.0	306.2	298.6	294.2	293.0	293.8	293.8	297.8
47.5°	551.9	501.4	414.4	367.5	350.3	341.1	338.3	334.2	332.2	331.4	338.3
50°	628.0	565.1	466.1	413.6	398.0	390.8	391.6	383.5	380.7	377.5	376.7
52.5°	704.6	633.2	525.0	477.7	459.7	463.3	461.7	453.3	436.8	432.8	423.2
55°	796.3	710.2	581.5	525.0	509.4	512.2	518.6	518.6	515.0	506.2	498.6
57.5°	874.1	773.9	624.0	553.5	539.8	547.1	559.9	569.5	577.9	584.3	583.9
60°	917.4	813.2	651.7	575.1	559.1	573.1	592.3	608.8	626.8	645.6	644.8
62.5°	977.1	868.1	701.0	613.6	585.9	590.3	612.4	640.8	657.3	672.9	677.3
65°	992.7	878.1	719.4	640.8	618.4	619.2	634.0	657.3	671.3	675.3	677.7
67.5°	*950.6*	*834.0*	*688.9*	*624.8*	*612.8*	*624.0*	*648.1*	*666.5*	*668.5*	*658.9*	*658.1*
70°	887.3	779.9	640.8	587.1	579.5	596.8	628.4	650.5	645.6	626.0	624.8
72.5°	797.9	698.1	576.3	537.4	529.8	551.5	579.5	602.8	595.5	580.7	579.5
75°	690.5	597.2	498.2	469.3	468.9	492.6	517.0	531.0	530.6	520.2	517.0
77.5°	573.9	498.2	410.4	384.3	394.0	416.4	434.4	444.9	441.3	437.6	436.4
80°	449.3	381.9	316.6	301.0	315.8	323.4	342.7	341.9	343.9	336.2	341.9
82.5°	319.8	275.3	226.8	220.0	222.0	237.3	247.7	246.5	241.3	235.7	233.3
85°	194.0	169.5	145.5	135.9	142.7	141.5	147.9	142.7	139.5	136.7	139.1
87.5°	53.7	46.5	44.5	32.1	39.7	31.3	32.9	22.8	20.0	24.0	20.8
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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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

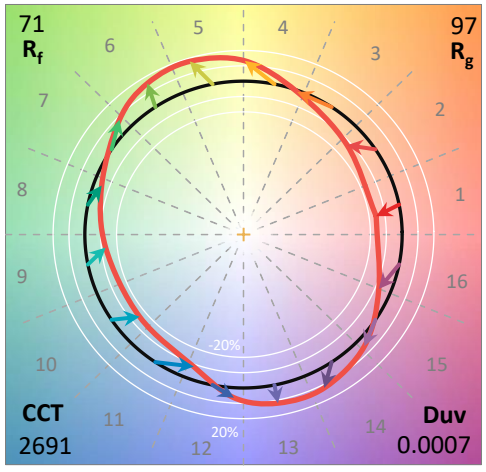
Test Information

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

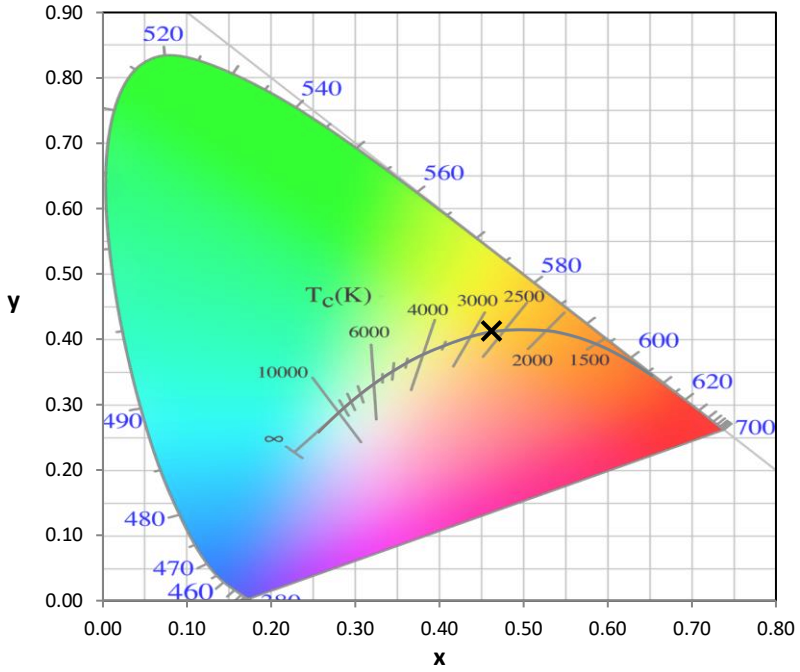
Stabilization Time:	28M
Operation Time:	1H 28M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-176-2

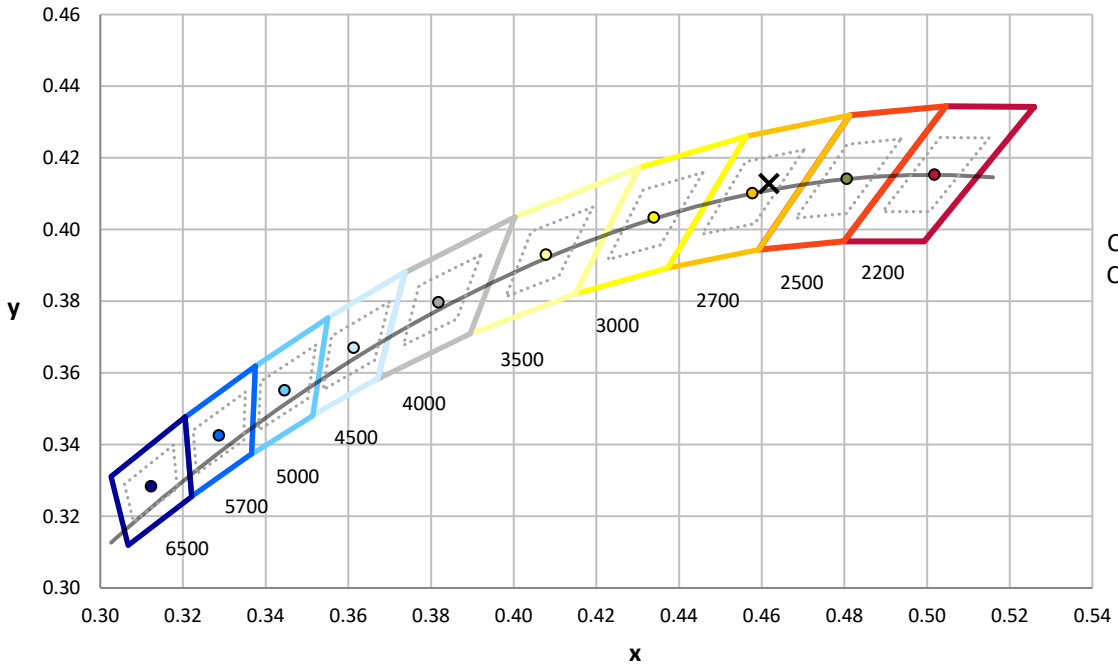
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

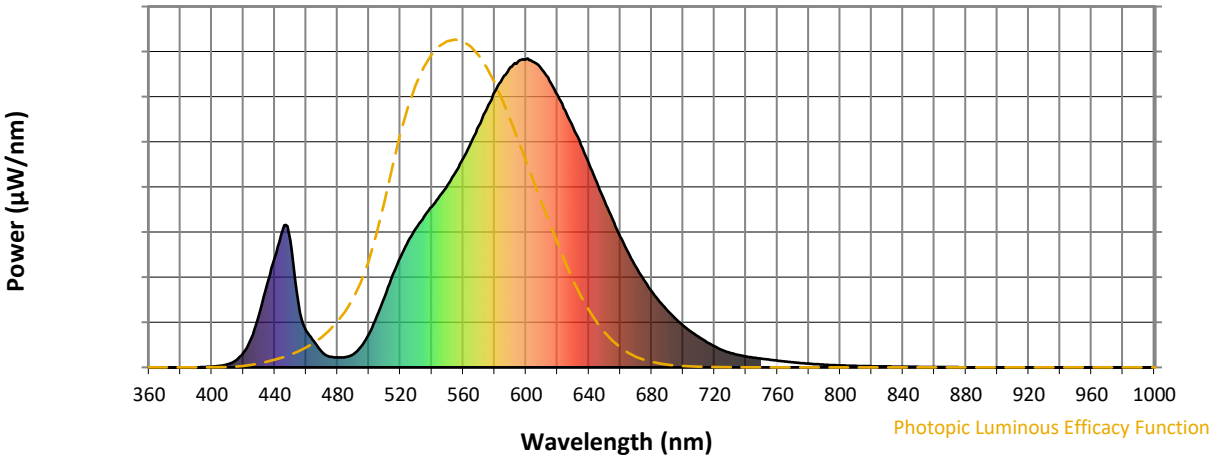


CCT = 2691K
CIE x = 0.4618
CIE y = 0.4129
Duv = 0.0007

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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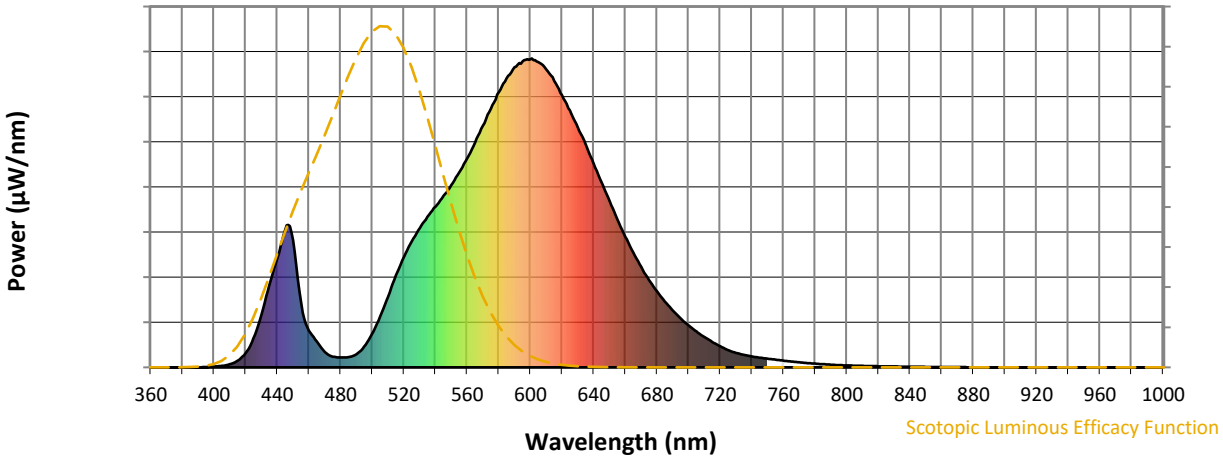
Scotopic Flux vs. Wavelength



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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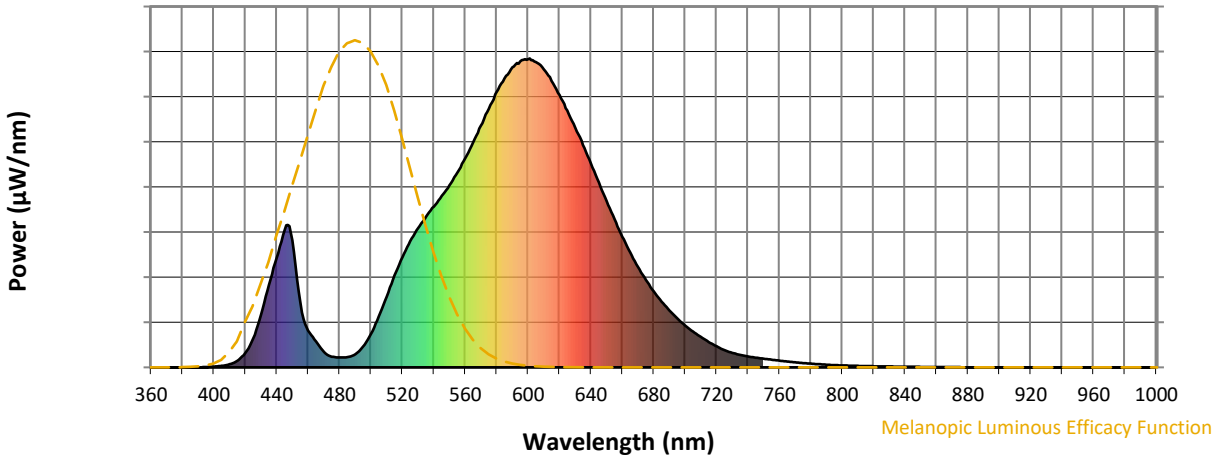
Melanopic Flux vs. Wavelength



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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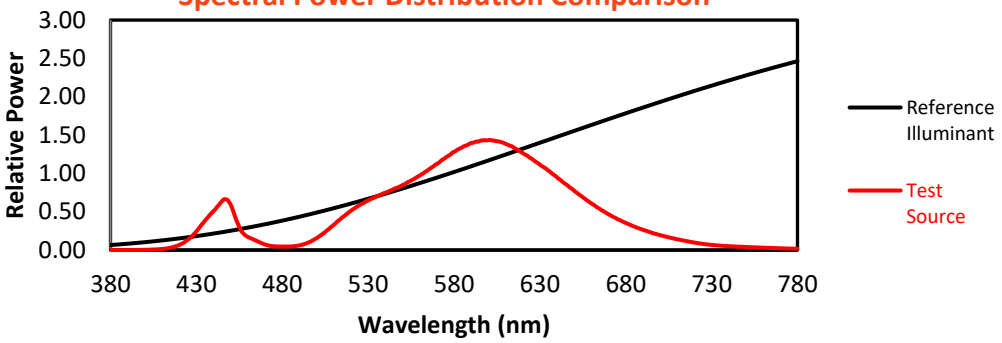
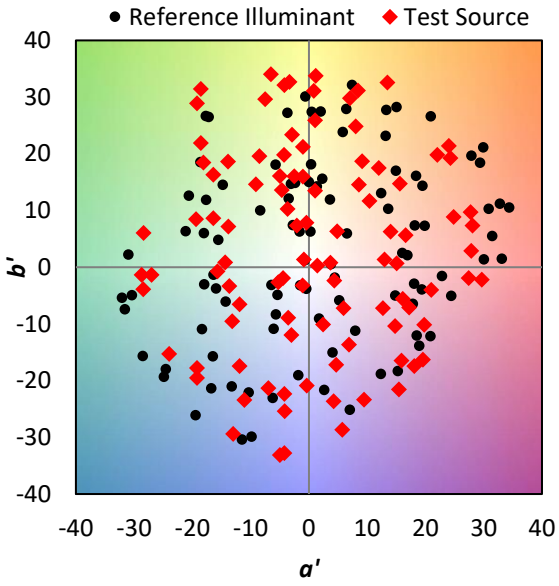
Summary

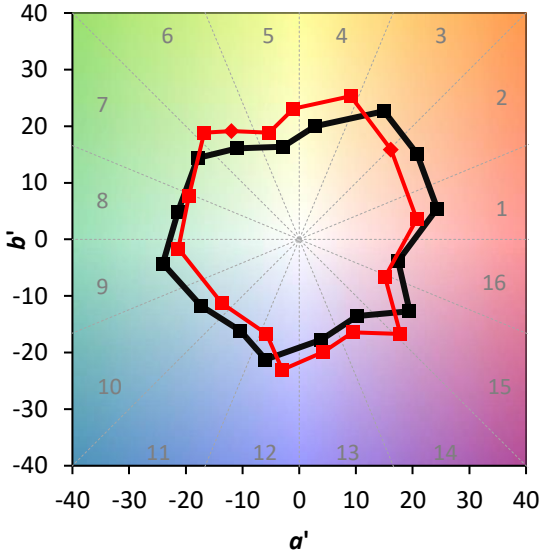
R_f = 70.6
R_g = 97.2
CIE R_a = 70.6
R_9 = -27.1

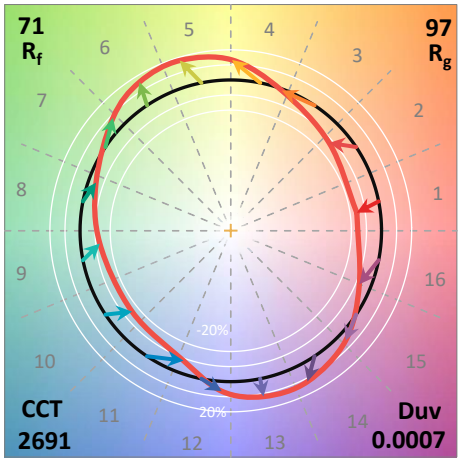
Spectral Power Distribution Comparison

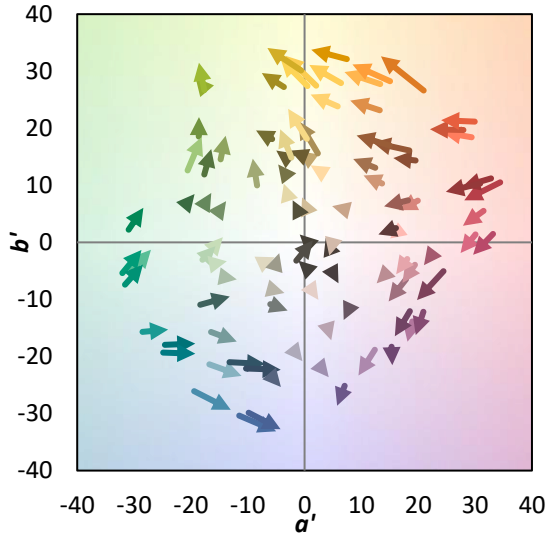


Color Vector Graphics









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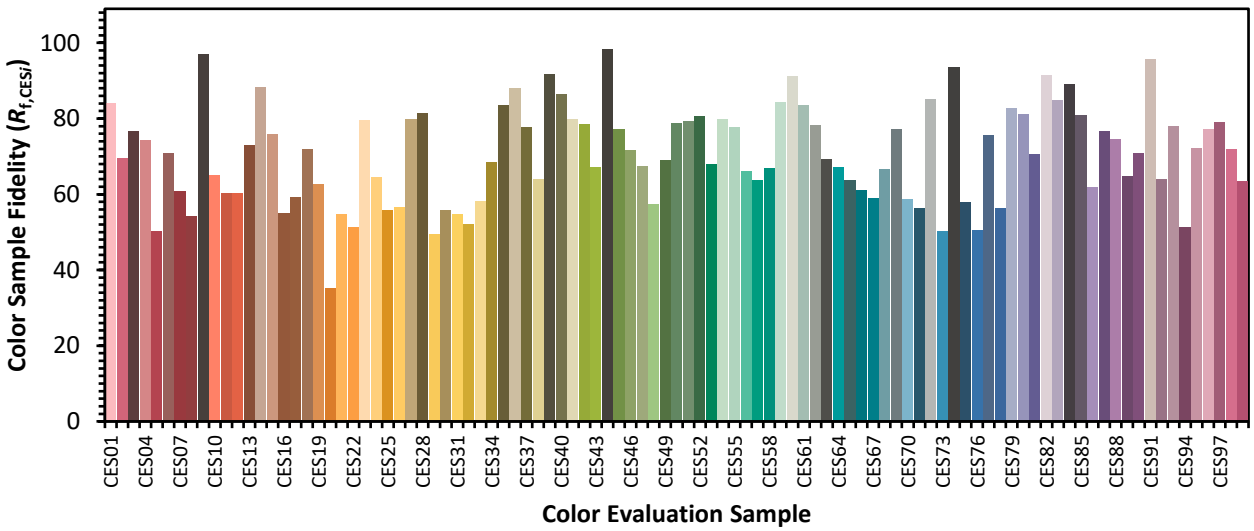
Individual Sample Fidelity Index ($R_{f,i}$)

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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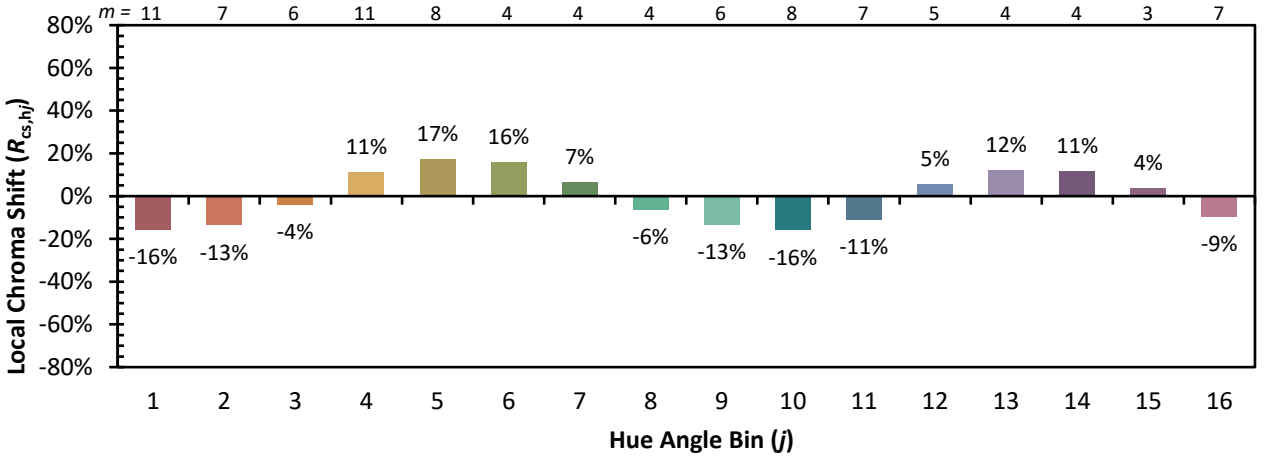
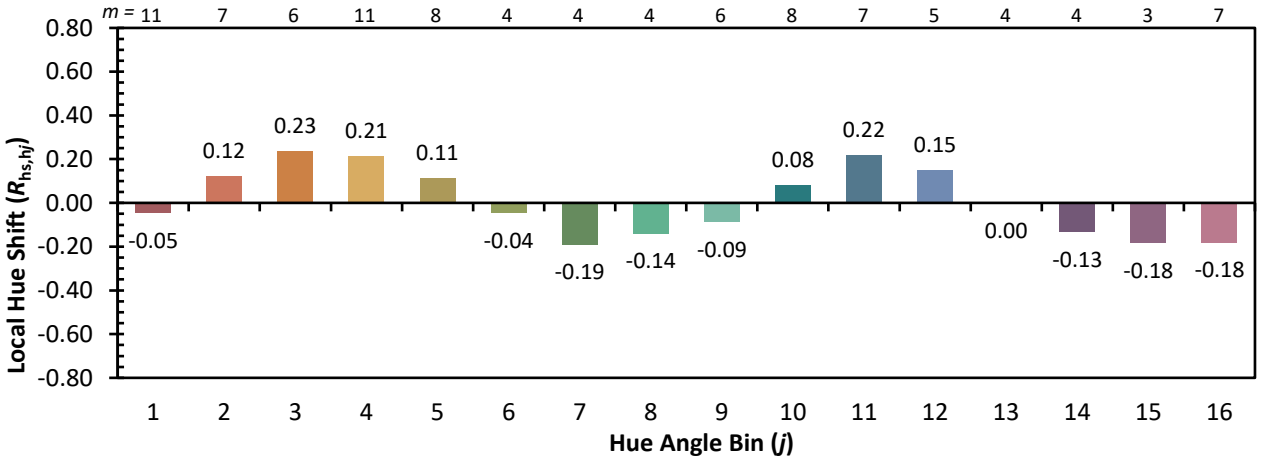
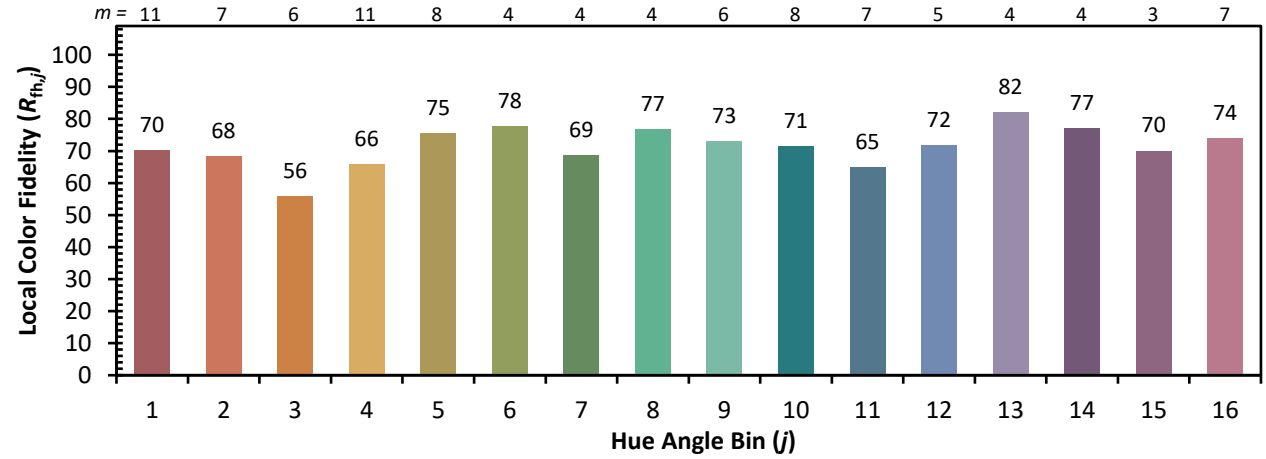
Color Rendition by Hue-Angle Bin







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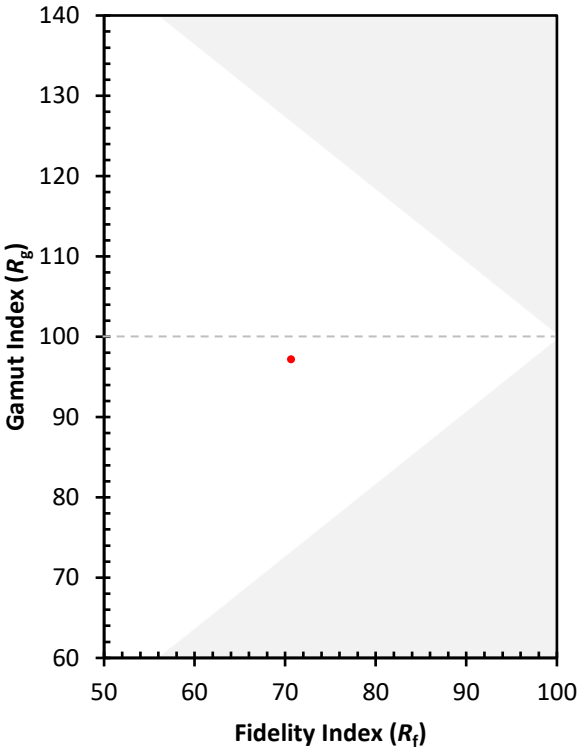
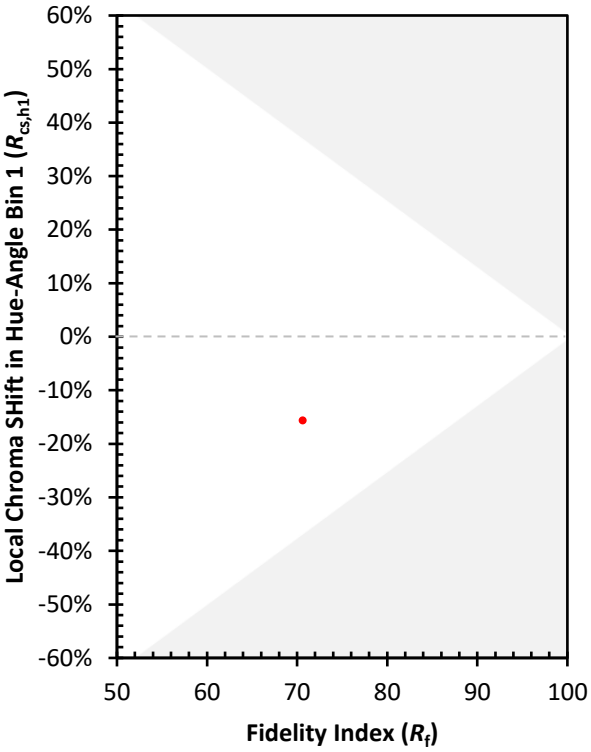
Measure Comparisons





(END OF REPORT)