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: P867568

Luminaire Tested: **MEM2-HTN-SA-30-722-U-T2U-HSS**

Issue Date: 08/21/2024

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:	P867568
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/21/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HTN-SA-30-722-U-T2U-HSS
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 30W 70CRI 2200K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source:	(10) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2889.5 lumens
Efficiency:	N/A
Efficacy:	88.1 lumens/watt
Luminous Opening:	Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	32.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.76%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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REPORT NUMBER: P867568
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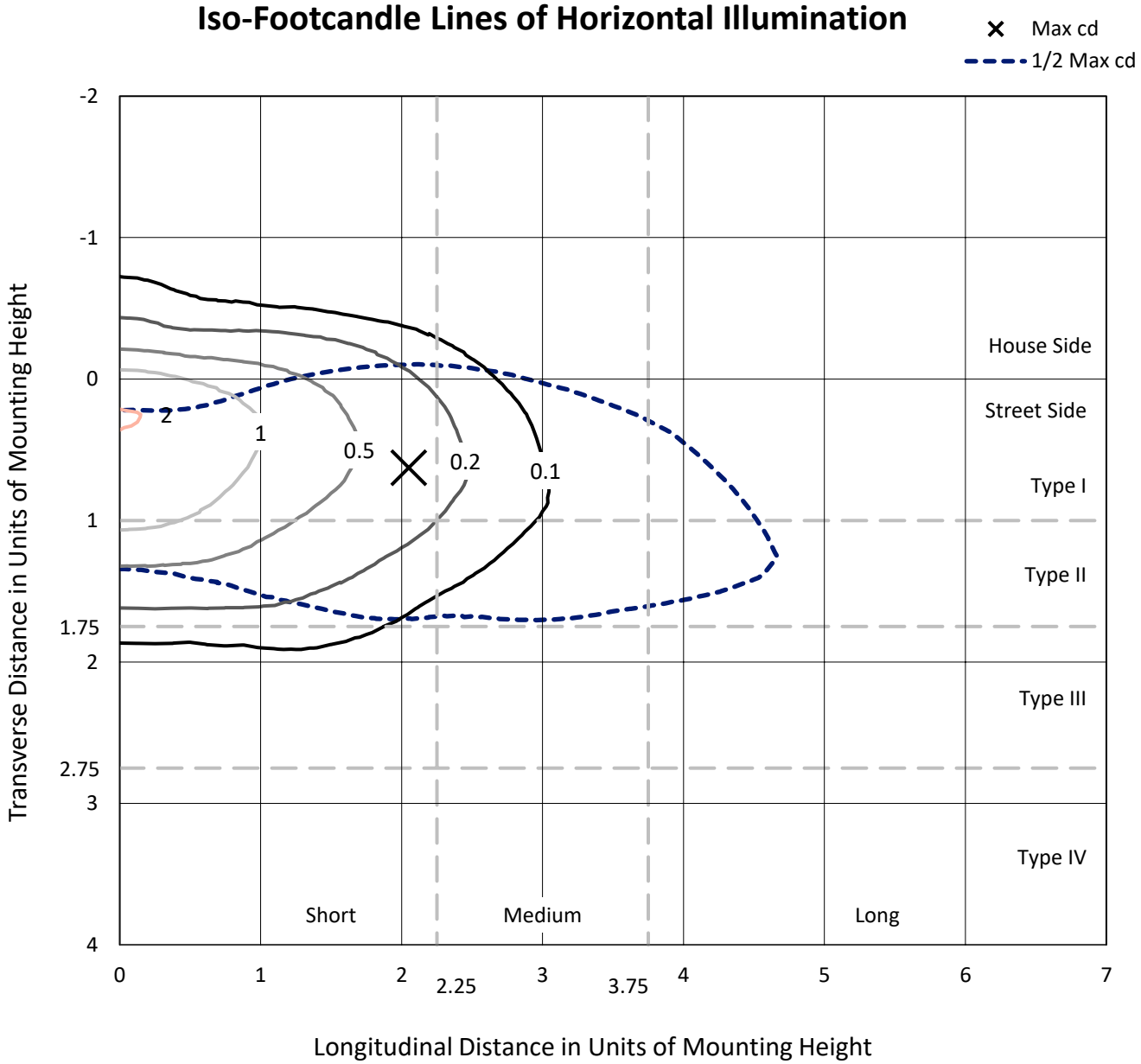
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 2.1 fc
Type II - Short - N/A

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REPORT NUMBER: P867568
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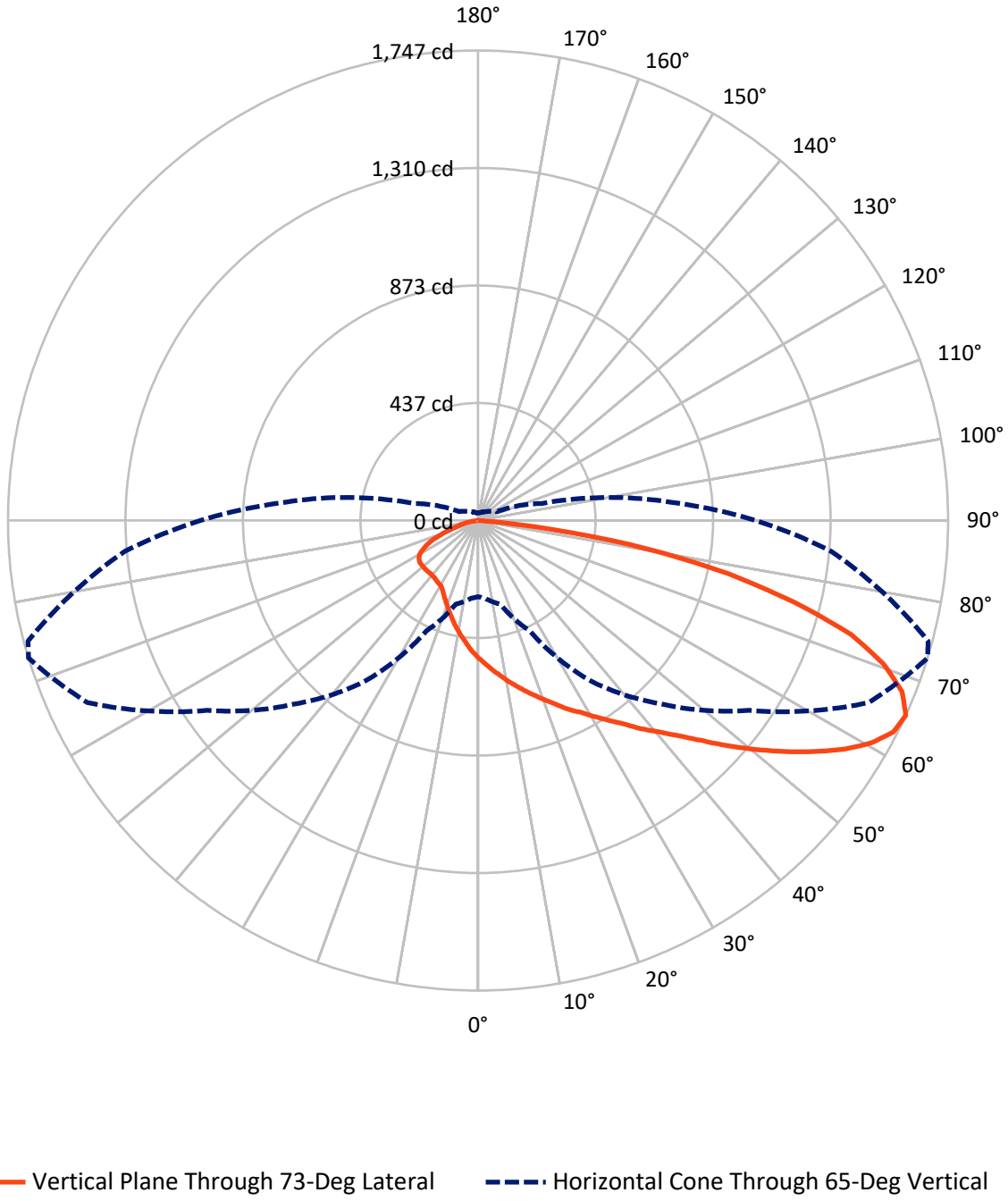
Luminous Intensity Polar Plot



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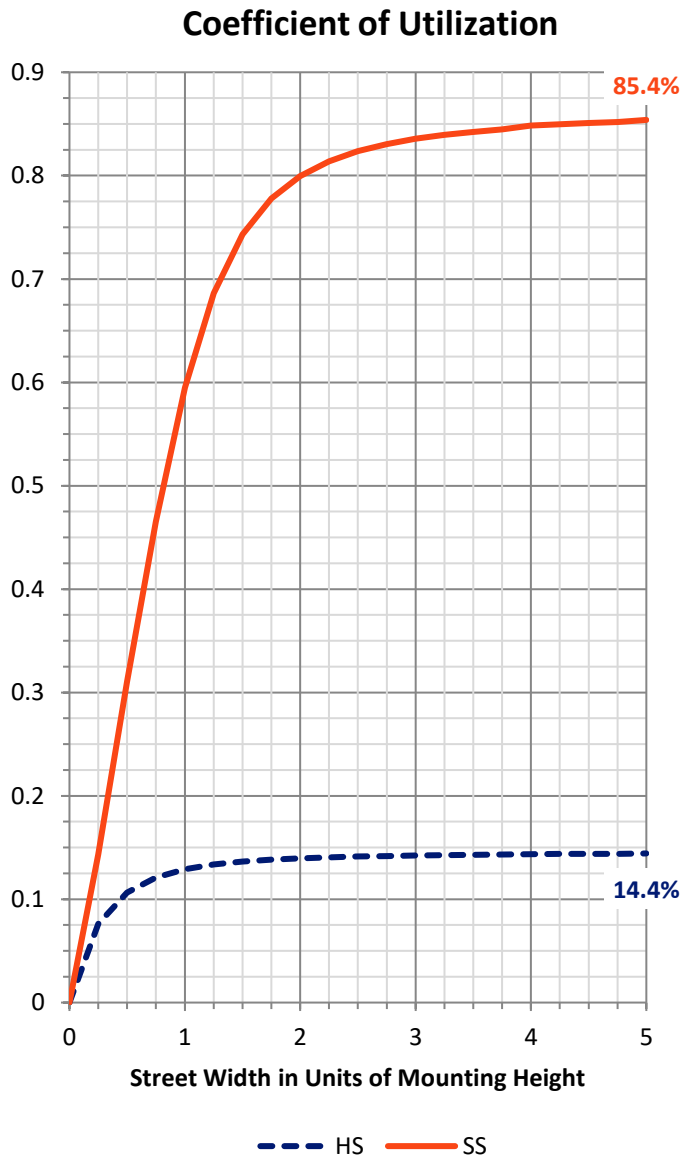
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	420.2	0.0	420.2
	% Fixture	14.5	0.0	14.5
Street Side	Lumens	2469.3	0.0	2469.3
	% Fixture	85.5	0.0	85.5
Total	Lumens	2889.5	0.0	2889.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.5	1.7
10°-20°	150.4	5.2
20°-30°	251.8	8.7
30°-40°	379.9	13.1
40°-50°	536.8	18.6
50°-60°	604.0	20.9
60°-70°	541.6	18.7
70°-80°	329.4	11.4
80°-90°	46.1	1.6
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°	2889.5	100.0
0°-180°	2889.5	100.0



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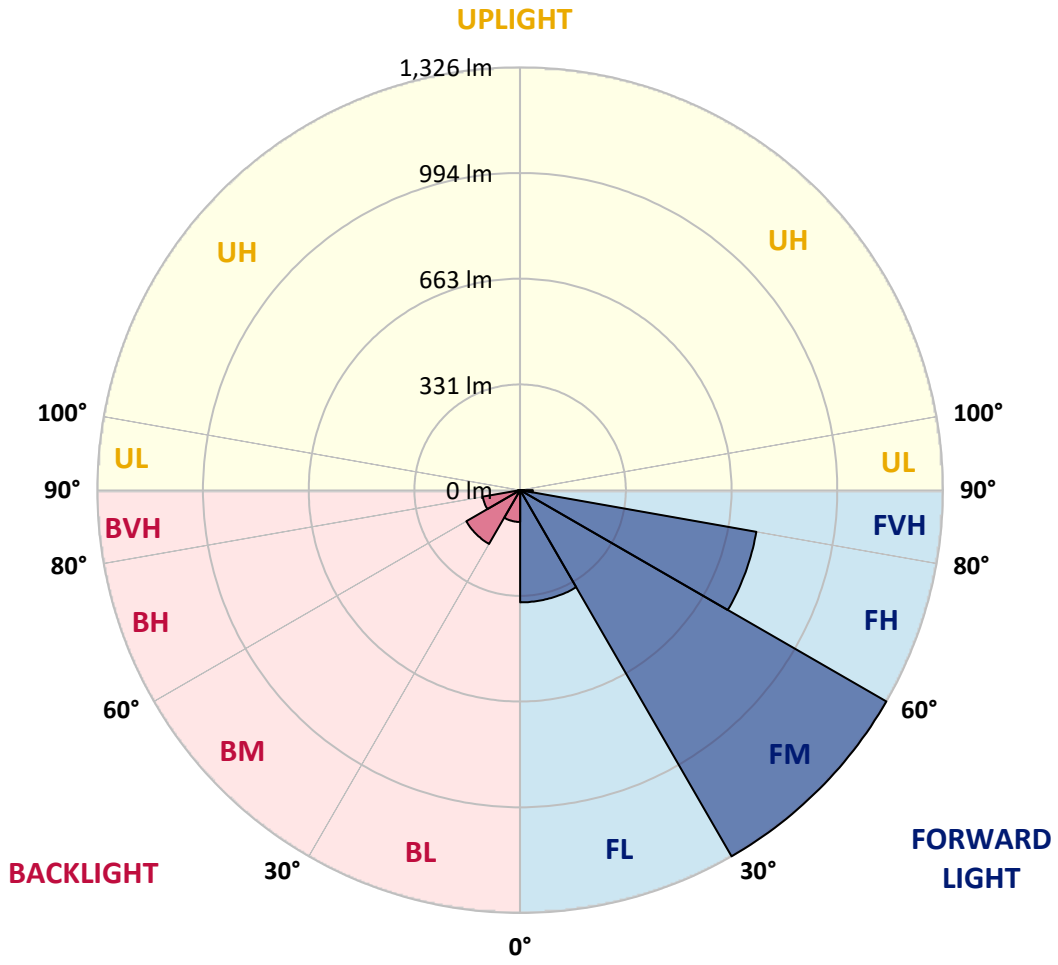
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	351.9	12.2			
FM	(30°-60°)	1325.8	45.9			
FH	(60°-80°)	752.0	26.0			G1/1800
FVH	(80°-90°)	39.6	1.4			G1/100
BL	(0°-30°)	99.8	3.5	B0/110		
BM	(30°-60°)	194.8	6.7	B0/220		
BH	(60°-80°)	119.0	4.1	B1/500		G1/500
BVH	(80°-90°)	6.5	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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REPORT NUMBER: P867568
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	512.6	512.6	512.6	512.6	512.6	512.6	512.6	512.6	*512.6*	512.6	512.6
2.5°	591.6	588.2	583.1	578.9	571.2	561.0	552.5	541.5	*533.8*	531.3	520.2
5°	677.5	673.3	667.3	657.1	636.7	624.8	602.7	577.2	*556.8*	552.5	527.0
7.5°	765.9	764.2	750.6	735.3	710.7	684.3	650.3	610.3	*580.6*	573.8	534.7
10°	840.7	833.1	825.4	811.0	784.6	747.2	703.0	647.8	*606.1*	595.0	542.3
12.5°	885.8	883.2	876.4	859.4	833.9	801.6	748.9	684.3	*630.8*	615.4	550.0
15°	918.9	921.5	914.7	903.6	877.3	846.7	795.7	722.6	*657.1*	639.3	558.5
17.5°	950.4	948.7	947.8	935.1	911.3	880.7	828.8	754.0	*683.5*	663.9	567.0
20°	968.2	969.1	967.4	962.3	939.3	909.6	861.1	791.4	*712.4*	690.3	578.0
22.5°	977.6	981.0	984.4	983.5	964.8	941.9	891.7	821.2	*742.1*	719.2	591.6
25°	983.5	986.1	993.7	1003.9	986.9	968.2	925.7	856.9	*777.0*	750.6	607.8
27.5°	988.6	992.0	1001.4	1016.7	1003.1	992.0	955.5	887.5	*806.7*	782.9	626.5
30°	1021.8	1026.0	1026.0	1033.7	1018.4	1015.8	988.6	924.0	*844.1*	818.6	650.3
32.5°	1109.3	1100.8	1085.5	1077.9	1041.3	1042.2	1020.9	960.6	*884.1*	858.6	680.1
35°	1185.0	1185.0	1166.3	1141.6	1083.0	1071.1	1058.3	1009.0	*927.4*	902.8	719.2
37.5°	1258.1	1259.0	1239.4	1218.1	1151.0	1108.5	1101.7	1055.8	*981.0*	952.1	760.0
40°	1304.0	1309.1	1304.0	1287.9	1223.2	1173.9	1144.2	1108.5	*1032.0*	1009.9	806.7
42.5°	1311.7	1321.9	1340.6	1345.7	1276.0	1232.6	1198.6	1162.9	*1093.2*	1068.5	860.3
45°	1292.1	1295.5	1337.2	1343.1	1315.1	1279.4	1256.4	1226.6	*1166.3*	1145.0	919.8
47.5°	1238.5	1231.7	1246.2	1298.1	1309.1	1307.4	1313.4	1298.9	*1251.3*	1224.1	985.2
50°	1123.8	1126.3	1173.1	1236.0	1274.3	1317.6	1355.9	1372.0	*1337.2*	1310.0	1055.8
52.5°	914.7	926.6	1015.8	1164.6	1230.9	1310.8	1386.5	1440.9	*1426.4*	1400.1	1125.5
55°	751.5	769.3	858.6	1049.8	1171.4	1277.7	1404.3	1513.1	*1515.7*	1495.3	1189.2
57.5°	588.2	602.7	697.1	872.2	1086.4	1225.8	1406.9	1575.2	*1604.1*	1580.3	1245.4
60°	460.7	470.9	526.2	726.8	981.8	1151.8	1388.2	1624.5	*1678.9*	1661.0	1293.8
62.5°	349.4	357.0	406.3	574.6	853.5	1065.1	1325.3	1642.3	*1731.6*	1714.6	1321.0
65°	*283.1*	*289.9*	*322.2*	*451.4*	*726.8*	*964.8*	*1230.0*	*1601.5*	*1746.9*	*1731.6*	*1317.6*
67.5°	231.2	233.8	260.1	351.9	614.6	851.8	1090.6	1495.3	*1700.1*	1699.3	1278.5
70°	187.0	193.8	215.9	280.5	510.9	721.7	928.3	1328.7	*1599.0*	1607.5	1200.3
72.5°	159.0	160.7	180.2	232.1	416.5	585.7	768.5	1136.5	*1450.2*	1457.0	1077.9
75°	134.3	136.9	151.3	187.9	338.3	465.0	618.0	918.1	*1213.9*	1242.8	907.9
77.5°	115.6	116.5	126.7	154.7	240.6	349.4	453.1	688.6	*950.4*	970.8	713.2
80°	91.0	92.7	103.7	122.4	167.5	227.0	312.8	470.9	*635.0*	658.0	493.9
82.5°	42.5	47.6	50.2	67.2	87.6	112.2	147.9	196.4	*287.3*	286.5	230.4
85°	4.3	3.4	3.4	5.1	7.7	7.7	9.4	11.1	*22.1*	26.4	20.4
87.5°	0.0	0.0	0.0	0.9	1.7	1.7	1.7	2.6	*2.6*	2.6	2.6
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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Scaled Data Report

REPORT NUMBER: P867568
CATALOG NUMBER: MEM2-HTN-SA-30-722-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	512.6	512.6	512.6	512.6	512.6	512.6	512.6	512.6	512.6	512.6	512.6
2.5°	515.1	507.5	493.9	481.1	472.6	465.8	454.8	448.0	442.9	436.1	435.2
5°	513.4	499.8	472.6	449.7	427.6	408.9	389.3	377.4	364.7	358.7	363.8
7.5°	515.1	493.0	450.5	415.7	382.5	352.8	327.3	311.1	299.2	293.3	294.1
10°	516.0	487.1	431.8	383.4	340.9	306.0	277.1	255.0	240.6	237.2	232.9
12.5°	514.3	479.4	413.1	351.9	300.9	262.7	228.7	211.7	197.2	190.4	190.4
15°	516.0	473.5	393.6	323.0	265.2	221.0	192.1	173.4	164.9	159.0	159.8
17.5°	516.0	468.4	374.9	295.0	230.4	189.6	163.2	147.9	139.4	136.0	135.2
20°	521.9	464.1	357.0	268.6	199.8	161.5	140.3	128.4	121.6	118.2	116.5
22.5°	526.2	460.7	340.9	243.1	174.3	141.1	123.3	112.2	107.1	105.4	105.4
25°	533.8	459.9	326.4	218.5	153.9	125.8	109.7	101.2	96.9	95.2	95.2
27.5°	544.9	461.6	312.8	197.2	138.6	110.5	98.6	91.8	89.3	88.4	87.6
30°	561.0	469.2	304.3	181.1	124.1	101.2	90.1	85.9	84.2	83.3	83.3
32.5°	582.3	482.8	300.9	172.6	115.6	93.5	84.2	80.8	79.1	79.1	78.2
35°	608.6	498.1	298.4	164.9	109.7	88.4	79.9	76.5	75.7	75.7	75.7
37.5°	640.1	514.3	294.1	159.8	106.3	84.2	76.5	73.1	73.1	73.1	73.1
40°	675.0	538.1	293.3	156.4	103.7	81.6	73.1	69.7	69.7	69.7	69.7
42.5°	714.1	563.6	292.4	153.9	102.0	79.9	69.7	66.3	66.3	66.3	66.3
45°	761.7	595.9	294.1	152.2	102.0	78.2	67.2	62.9	62.1	62.1	62.1
47.5°	808.4	626.5	295.8	150.5	100.3	75.7	63.8	59.5	58.7	57.8	57.8
50°	858.6	658.0	295.8	148.8	98.6	73.1	61.2	55.3	54.4	53.6	53.6
52.5°	907.9	684.3	296.7	146.2	94.4	68.9	57.0	51.9	50.2	49.3	48.5
55°	955.5	712.4	297.5	142.0	89.3	64.6	54.4	48.5	45.9	44.2	44.2
57.5°	991.2	735.3	293.3	133.5	82.5	60.4	50.2	44.2	40.8	39.1	39.1
60°	1025.2	749.8	285.6	120.7	75.7	56.1	46.8	40.0	36.6	34.9	34.9
62.5°	1038.8	752.3	267.8	98.6	67.2	51.9	42.5	36.6	34.0	33.2	33.2
65°	*1031.1*	*741.3*	*244.0*	*78.2*	*59.5*	*46.8*	*39.1*	*34.0*	*30.6*	*28.1*	*28.1*
67.5°	989.5	703.0	211.7	62.1	51.9	42.5	35.7	30.6	27.2	24.7	24.7
70°	910.4	641.8	164.9	49.3	45.1	37.4	32.3	28.1	24.7	22.1	22.1
72.5°	794.0	556.8	119.9	41.7	39.1	33.2	28.9	25.5	22.1	20.4	20.4
75°	654.6	429.3	85.0	35.7	34.9	29.8	26.4	23.0	20.4	18.7	18.7
77.5°	491.3	299.2	66.3	31.5	30.6	27.2	23.8	21.3	18.7	17.9	17.0
80°	327.3	185.3	50.2	23.8	23.0	21.3	19.6	17.9	15.3	13.6	13.6
82.5°	146.2	78.2	25.5	13.6	11.9	10.2	8.5	6.0	6.0	5.1	5.1
85°	15.3	10.2	5.1	3.4	3.4	2.6	2.6	2.6	1.7	1.7	1.7
87.5°	2.6	2.6	1.7	1.7	1.7	0.9	0.9	0.9	0.9	0.9	0.9
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: SP1-2407-157-2

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-30-722-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-30-722-U-5WQ-2

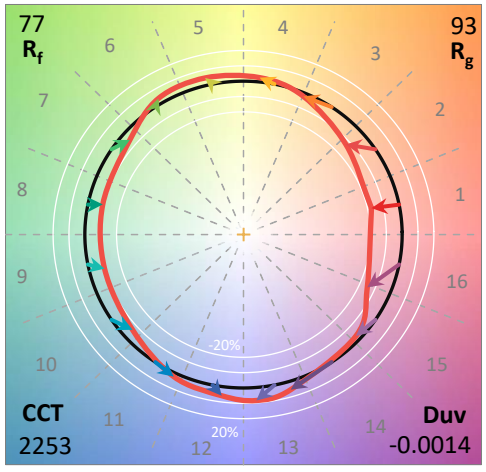
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-2
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/20/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**MEM2-HTN-SA-30-722-U-5WQ-2**
Description:	Epic Modern Light Square 30W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	2253	CRI (Ra):	70.6		
CIE u':	0.2868	R1:	68.4	R9:	-36.0
CIE v':	0.5332	R2:	88.7	R10:	78.2
Duv:	-0.0014	R3:	85.4	R11:	61.0
CIE x:	0.4974	R4:	63.5	R12:	74.2
CIE y:	0.4110	R5:	69.0	R13:	72.8
CIE z:	0.0915	R6:	88.9	R14:	92.2
Peak Wavelength (nm):	603	R7:	68.5	R15:	58.0
Dominant Wavelength (nm):	587	R8:	32.0		
Purity:	72.69432				
Rf:	76.9				
Rg:	92.7				



Test Conditions

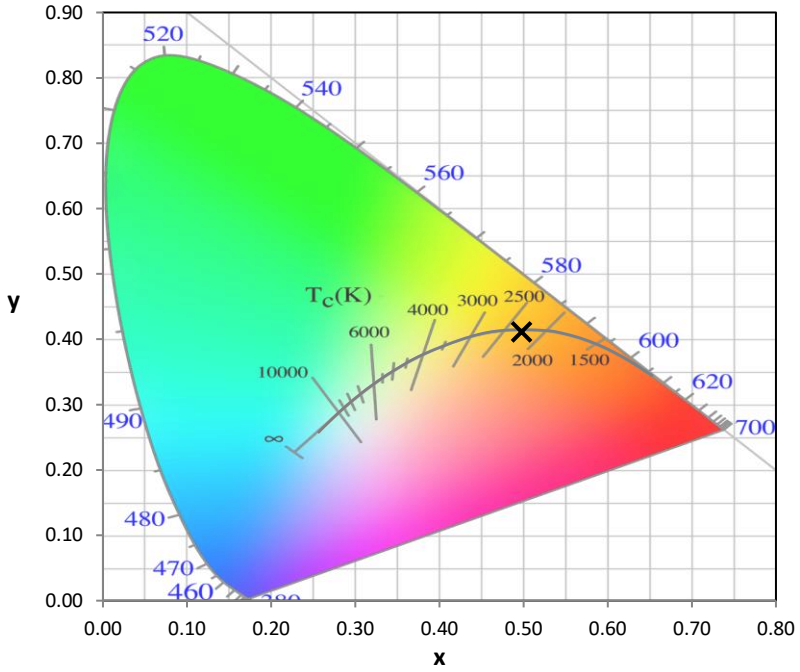
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	24.1

REPORT NUMBER: SP1-2407-157-2

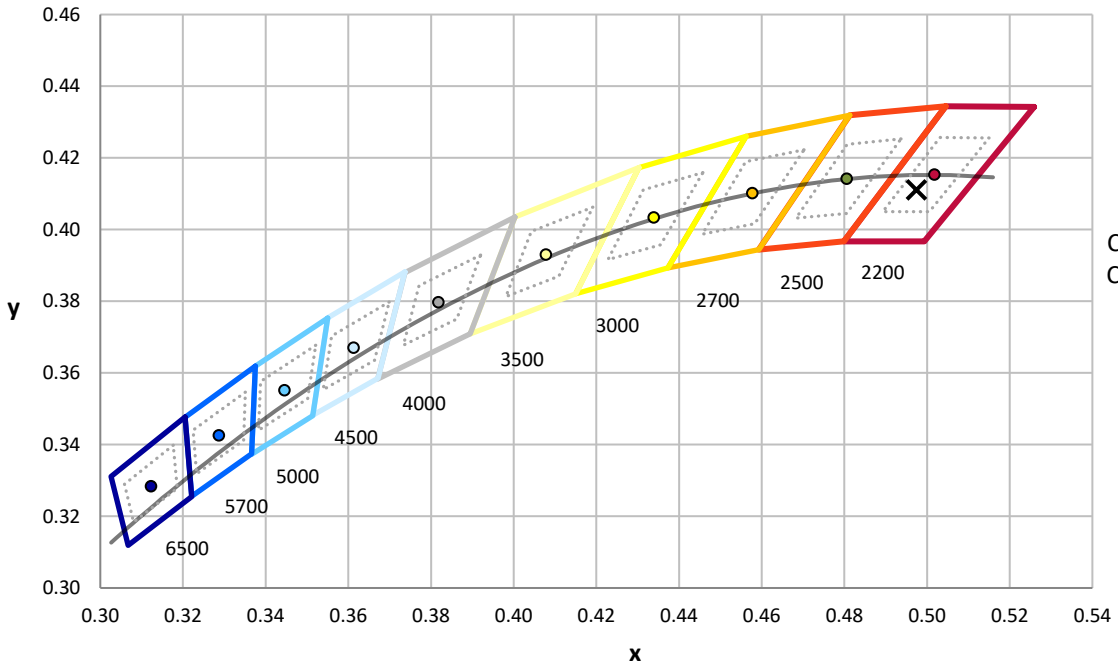
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-2

CIE 1931 Chromaticity Diagram



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

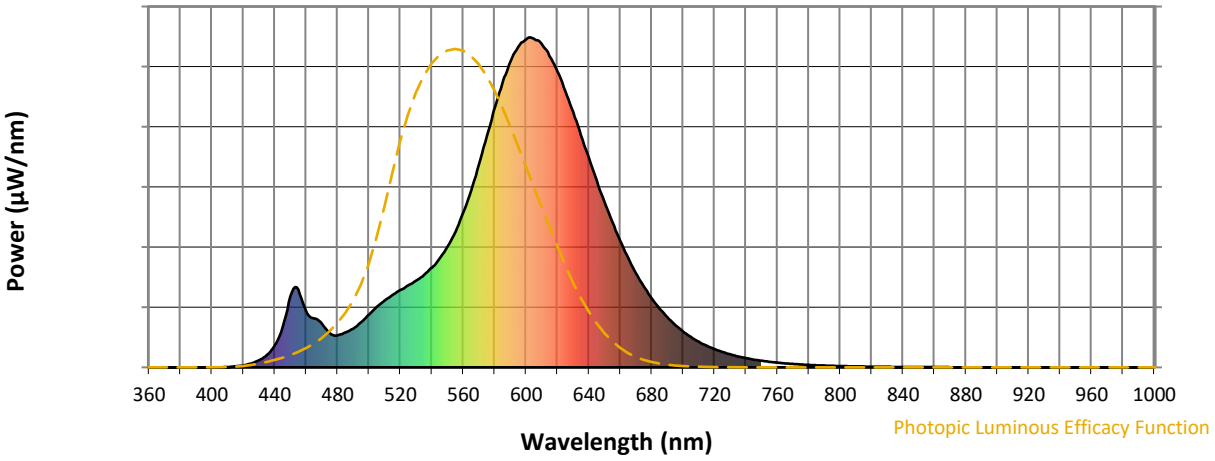


CCT = 2253K
CIE x = 0.4974
CIE y = 0.4110
Duv = -0.0014

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-2

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	117	NR	620	896	NR	750	20	NR	880	0	NR
365	0	NR	495	137	NR	625	838	NR	755	17	NR	885	0	NR
370	0	NR	500	160	NR	630	774	NR	760	14	NR	890	0	NR
375	0	NR	505	183	NR	635	704	NR	765	12	NR	895	0	NR
380	0	NR	510	202	NR	640	635	NR	770	10	NR	900	0	NR
385	0	NR	515	219	NR	645	565	NR	775	9	NR	905	0	NR
390	0	NR	520	235	NR	650	501	NR	780	7	NR	910	0	NR
395	0	NR	525	249	NR	655	440	NR	785	6	NR	915	0	NR
400	0	NR	530	263	NR	660	383	NR	790	5	NR	920	0	NR
405	0	NR	535	281	NR	665	332	NR	795	5	NR	925	0	NR
410	1	NR	540	302	NR	670	286	NR	800	4	NR	930	0	NR
415	3	NR	545	331	NR	675	245	NR	805	3	NR	935	0	NR
420	6	NR	550	366	NR	680	210	NR	810	3	NR	940	0	NR
425	12	NR	555	411	NR	685	178	NR	815	3	NR	945	0	NR
430	21	NR	560	469	NR	690	152	NR	820	2	NR	950	0	NR
435	38	NR	565	536	NR	695	129	NR	825	2	NR	955	0	NR
440	66	NR	570	614	NR	700	109	NR	830	2	NR	960	0	NR
445	122	NR	575	701	NR	705	92	NR	835	1	NR	965	0	NR
450	215	NR	580	785	NR	710	77	NR	840	1	NR	970	0	NR
455	236	NR	585	863	NR	715	66	NR	845	1	NR	975	0	NR
460	170	NR	590	928	NR	720	55	NR	850	1	NR	980	0	NR
465	148	NR	595	971	NR	725	47	NR	855	1	NR	985	0	NR
470	132	NR	600	994	NR	730	40	NR	860	1	NR	990	0	NR
475	104	NR	605	996	NR	735	33	NR	865	1	NR	995	0	NR
480	97	NR	610	979	NR	740	28	NR	870	1	NR	1000	0	NR
485	105	NR	615	943	NR	745	24	NR	875	0	NR			

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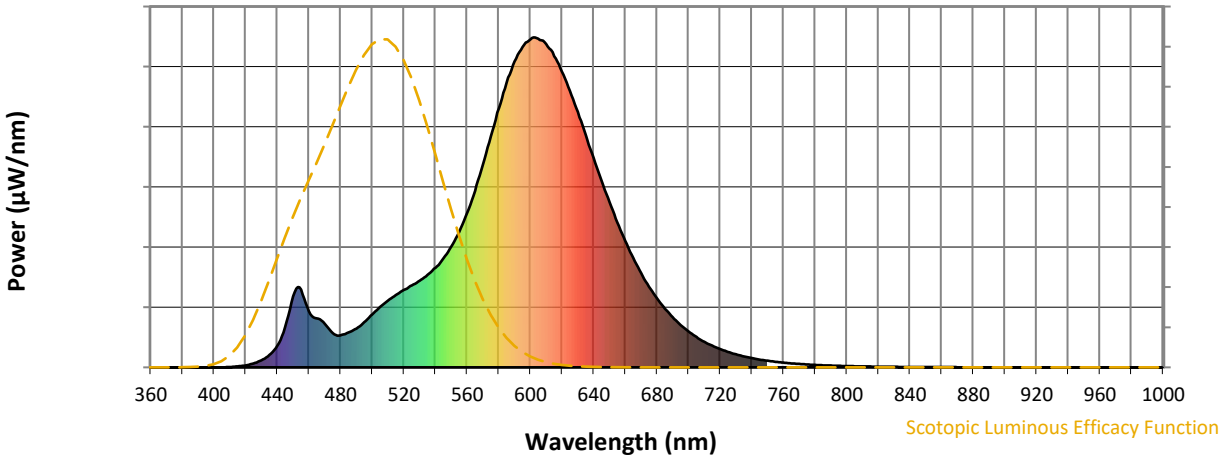
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 0.96**

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	117	NR	620	896	NR	750	20	NR	880	0	NR
365	0	NR	495	137	NR	625	838	NR	755	17	NR	885	0	NR
370	0	NR	500	160	NR	630	774	NR	760	14	NR	890	0	NR
375	0	NR	505	183	NR	635	704	NR	765	12	NR	895	0	NR
380	0	NR	510	202	NR	640	635	NR	770	10	NR	900	0	NR
385	0	NR	515	219	NR	645	565	NR	775	9	NR	905	0	NR
390	0	NR	520	235	NR	650	501	NR	780	7	NR	910	0	NR
395	0	NR	525	249	NR	655	440	NR	785	6	NR	915	0	NR
400	0	NR	530	263	NR	660	383	NR	790	5	NR	920	0	NR
405	0	NR	535	281	NR	665	332	NR	795	5	NR	925	0	NR
410	1	NR	540	302	NR	670	286	NR	800	4	NR	930	0	NR
415	3	NR	545	331	NR	675	245	NR	805	3	NR	935	0	NR
420	6	NR	550	366	NR	680	210	NR	810	3	NR	940	0	NR
425	12	NR	555	411	NR	685	178	NR	815	3	NR	945	0	NR
430	21	NR	560	469	NR	690	152	NR	820	2	NR	950	0	NR
435	38	NR	565	536	NR	695	129	NR	825	2	NR	955	0	NR
440	66	NR	570	614	NR	700	109	NR	830	2	NR	960	0	NR
445	122	NR	575	701	NR	705	92	NR	835	1	NR	965	0	NR
450	215	NR	580	785	NR	710	77	NR	840	1	NR	970	0	NR
455	236	NR	585	863	NR	715	66	NR	845	1	NR	975	0	NR
460	170	NR	590	928	NR	720	55	NR	850	1	NR	980	0	NR
465	148	NR	595	971	NR	725	47	NR	855	1	NR	985	0	NR
470	132	NR	600	994	NR	730	40	NR	860	1	NR	990	0	NR
475	104	NR	605	996	NR	735	33	NR	865	1	NR	995	0	NR
480	97	NR	610	979	NR	740	28	NR	870	1	NR	1000	0	NR
485	105	NR	615	943	NR	745	24	NR	875	0	NR			

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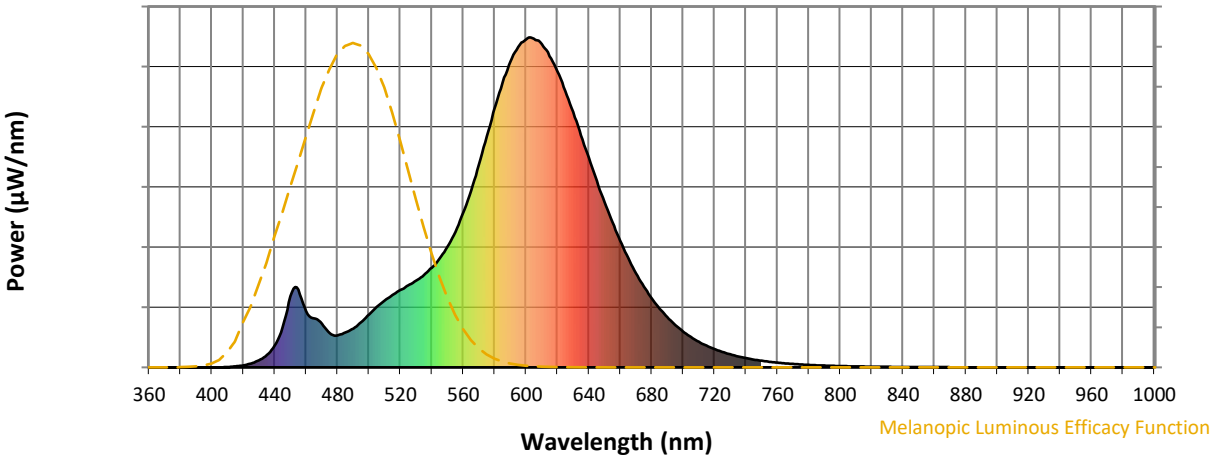
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/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	117	NR	620	896	NR	750	20	NR	880	0	NR
365	0	NR	495	137	NR	625	838	NR	755	17	NR	885	0	NR
370	0	NR	500	160	NR	630	774	NR	760	14	NR	890	0	NR
375	0	NR	505	183	NR	635	704	NR	765	12	NR	895	0	NR
380	0	NR	510	202	NR	640	635	NR	770	10	NR	900	0	NR
385	0	NR	515	219	NR	645	565	NR	775	9	NR	905	0	NR
390	0	NR	520	235	NR	650	501	NR	780	7	NR	910	0	NR
395	0	NR	525	249	NR	655	440	NR	785	6	NR	915	0	NR
400	0	NR	530	263	NR	660	383	NR	790	5	NR	920	0	NR
405	0	NR	535	281	NR	665	332	NR	795	5	NR	925	0	NR
410	1	NR	540	302	NR	670	286	NR	800	4	NR	930	0	NR
415	3	NR	545	331	NR	675	245	NR	805	3	NR	935	0	NR
420	6	NR	550	366	NR	680	210	NR	810	3	NR	940	0	NR
425	12	NR	555	411	NR	685	178	NR	815	3	NR	945	0	NR
430	21	NR	560	469	NR	690	152	NR	820	2	NR	950	0	NR
435	38	NR	565	536	NR	695	129	NR	825	2	NR	955	0	NR
440	66	NR	570	614	NR	700	109	NR	830	2	NR	960	0	NR
445	122	NR	575	701	NR	705	92	NR	835	1	NR	965	0	NR
450	215	NR	580	785	NR	710	77	NR	840	1	NR	970	0	NR
455	236	NR	585	863	NR	715	66	NR	845	1	NR	975	0	NR
460	170	NR	590	928	NR	720	55	NR	850	1	NR	980	0	NR
465	148	NR	595	971	NR	725	47	NR	855	1	NR	985	0	NR
470	132	NR	600	994	NR	730	40	NR	860	1	NR	990	0	NR
475	104	NR	605	996	NR	735	33	NR	865	1	NR	995	0	NR
480	97	NR	610	979	NR	740	28	NR	870	1	NR	1000	0	NR
485	105	NR	615	943	NR	745	24	NR	875	0	NR			

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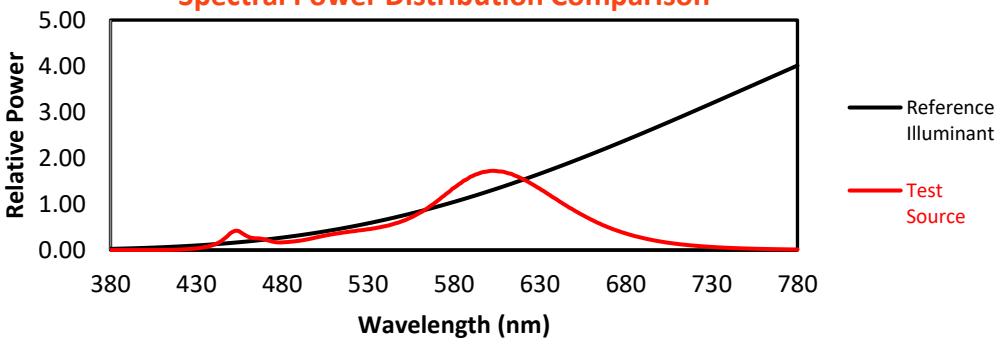
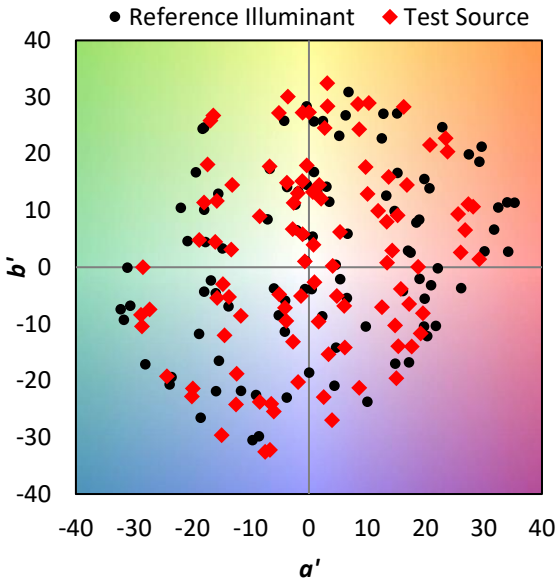
Summary

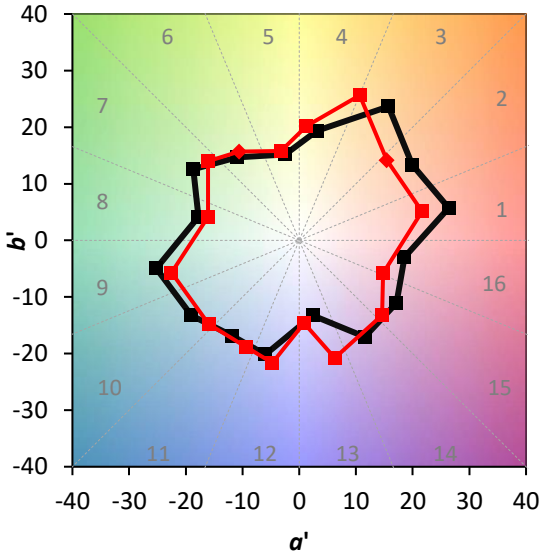
R_f = 76.9
R_g = 92.7
CIE R_a = 70.6
R_9 = -36.0

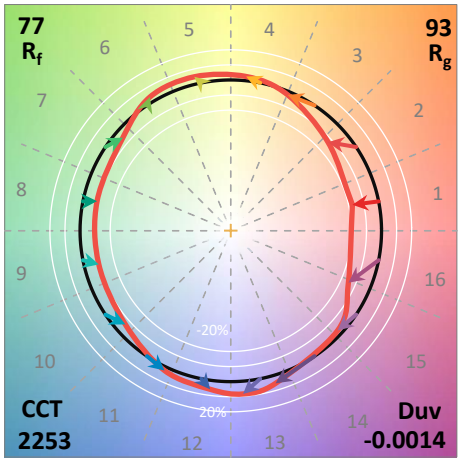
Spectral Power Distribution Comparison

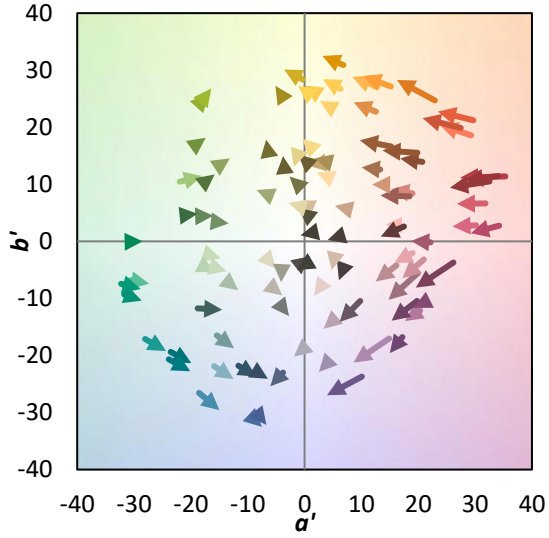


Color Vector Graphics









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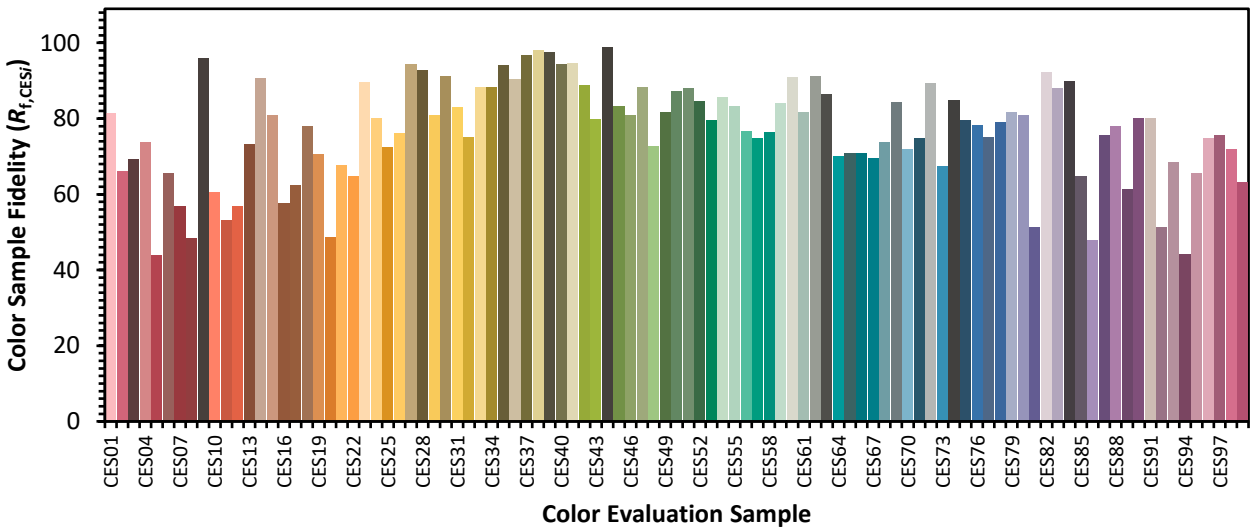
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 76	CES51 = 88	CES76 = 78
CES02 = 65	CES27 = 94	CES52 = 85	CES77 = 75
CES03 = 32	CES28 = 93	CES53 = 80	CES78 = 79
CES04 = 72	CES29 = 81	CES54 = 86	CES79 = 82
CES05 = 51	CES30 = 91	CES55 = 83	CES80 = 81
CES06 = 52	CES31 = 83	CES56 = 77	CES81 = 51
CES07 = 44	CES32 = 75	CES57 = 75	CES82 = 92
CES08 = 42	CES33 = 88	CES58 = 76	CES83 = 88
CES09 = 29	CES34 = 88	CES59 = 84	CES84 = 90
CES10 = 79	CES35 = 94	CES60 = 91	CES85 = 65
CES11 = 62	CES36 = 90	CES61 = 82	CES86 = 48
CES12 = 68	CES37 = 97	CES62 = 91	CES87 = 76
CES13 = 45	CES38 = 98	CES63 = 86	CES88 = 78
CES14 = 75	CES39 = 97	CES64 = 70	CES89 = 61
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 95	CES66 = 71	CES91 = 80
CES17 = 51	CES42 = 89	CES67 = 70	CES92 = 51
CES18 = 57	CES43 = 80	CES68 = 74	CES93 = 68
CES19 = 74	CES44 = 99	CES69 = 84	CES94 = 44
CES20 = 68	CES45 = 83	CES70 = 72	CES95 = 66
CES21 = 88	CES46 = 81	CES71 = 75	CES96 = 75
CES22 = 81	CES47 = 88	CES72 = 89	CES97 = 76
CES23 = 92	CES48 = 73	CES73 = 68	CES98 = 72
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 63
CES25 = 73	CES50 = 87	CES75 = 80	



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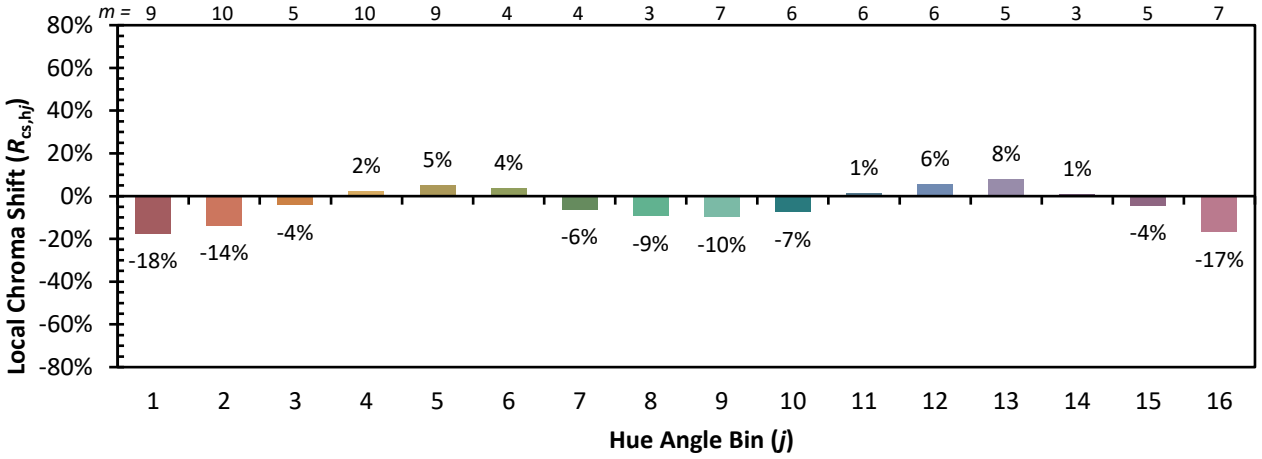
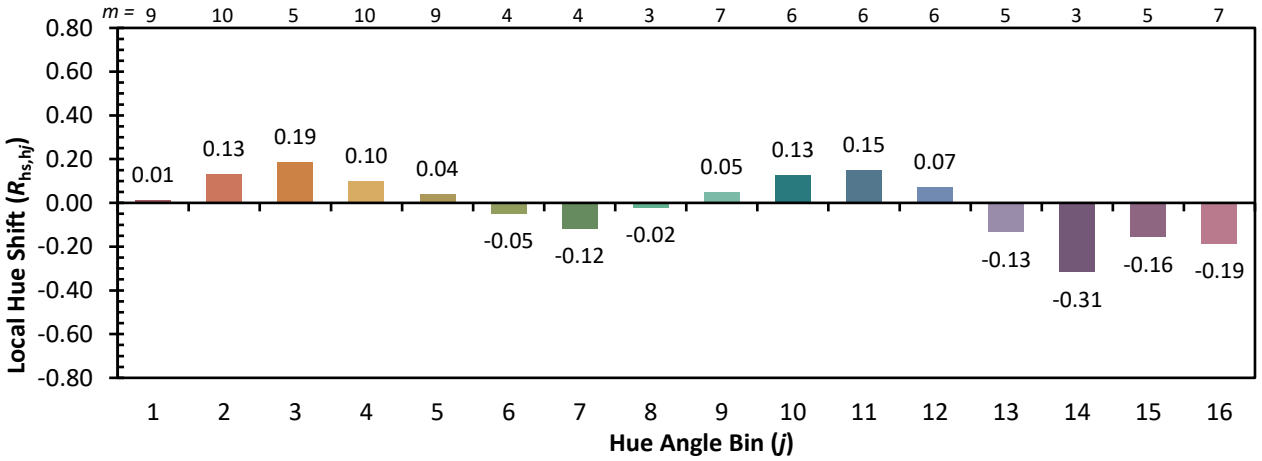
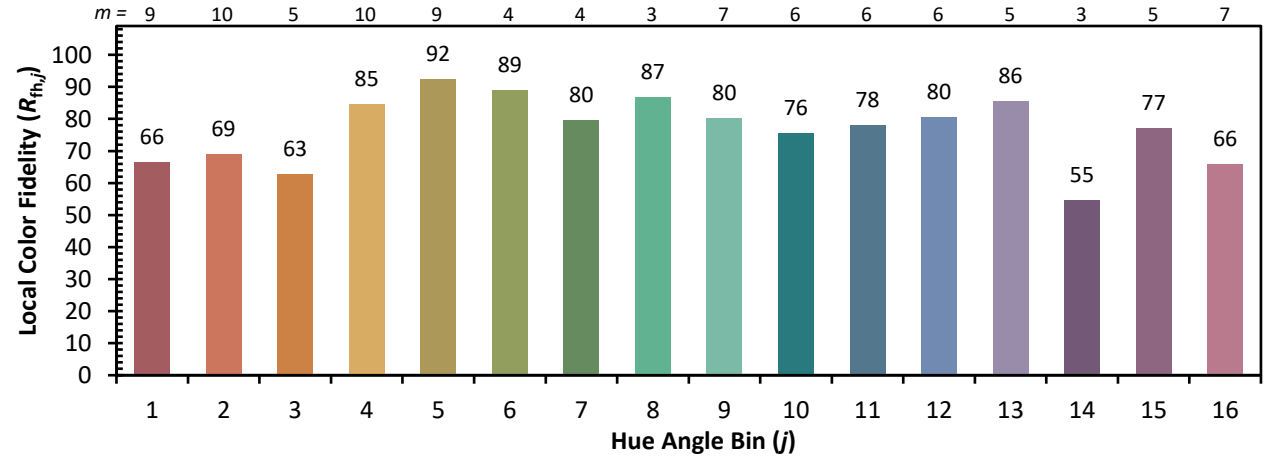
Color Rendition by Hue-Angle Bin







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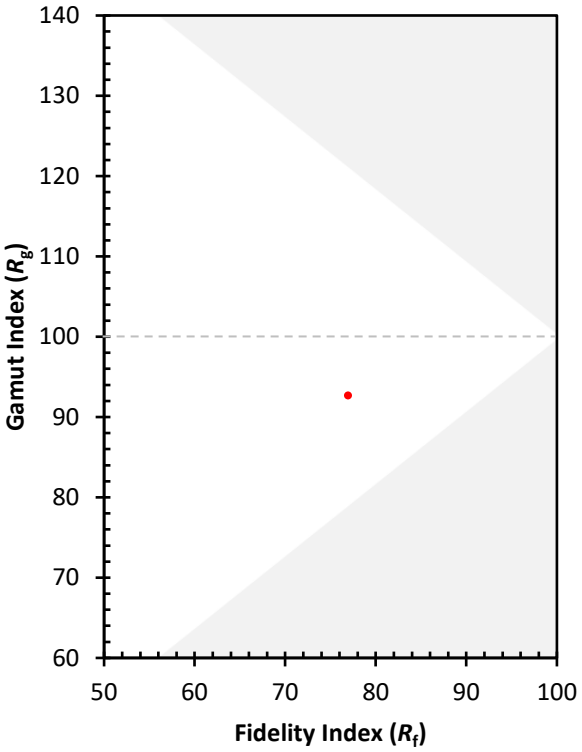
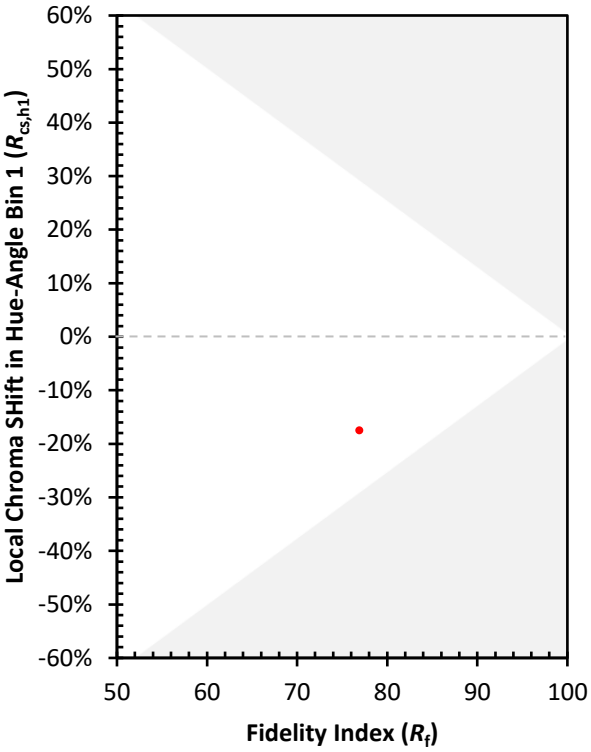
Measure Comparisons





(END OF REPORT)