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: P867454

Luminaire Tested: **MEM2-HTN-SA-110-740-U-T1**

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:	P867454
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/21/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HTN-SA-110-740-U-T1
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 110W 70CRI 4000K FIXTURE w/ TYPE 1 DISTRIBUTION OPTIC
Light Source:	(30) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17526.8 lumens
Efficiency:	N/A
Efficacy:	155.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.33' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	113
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	7.77%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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Scaled Data Report

REPORT NUMBER: P867454
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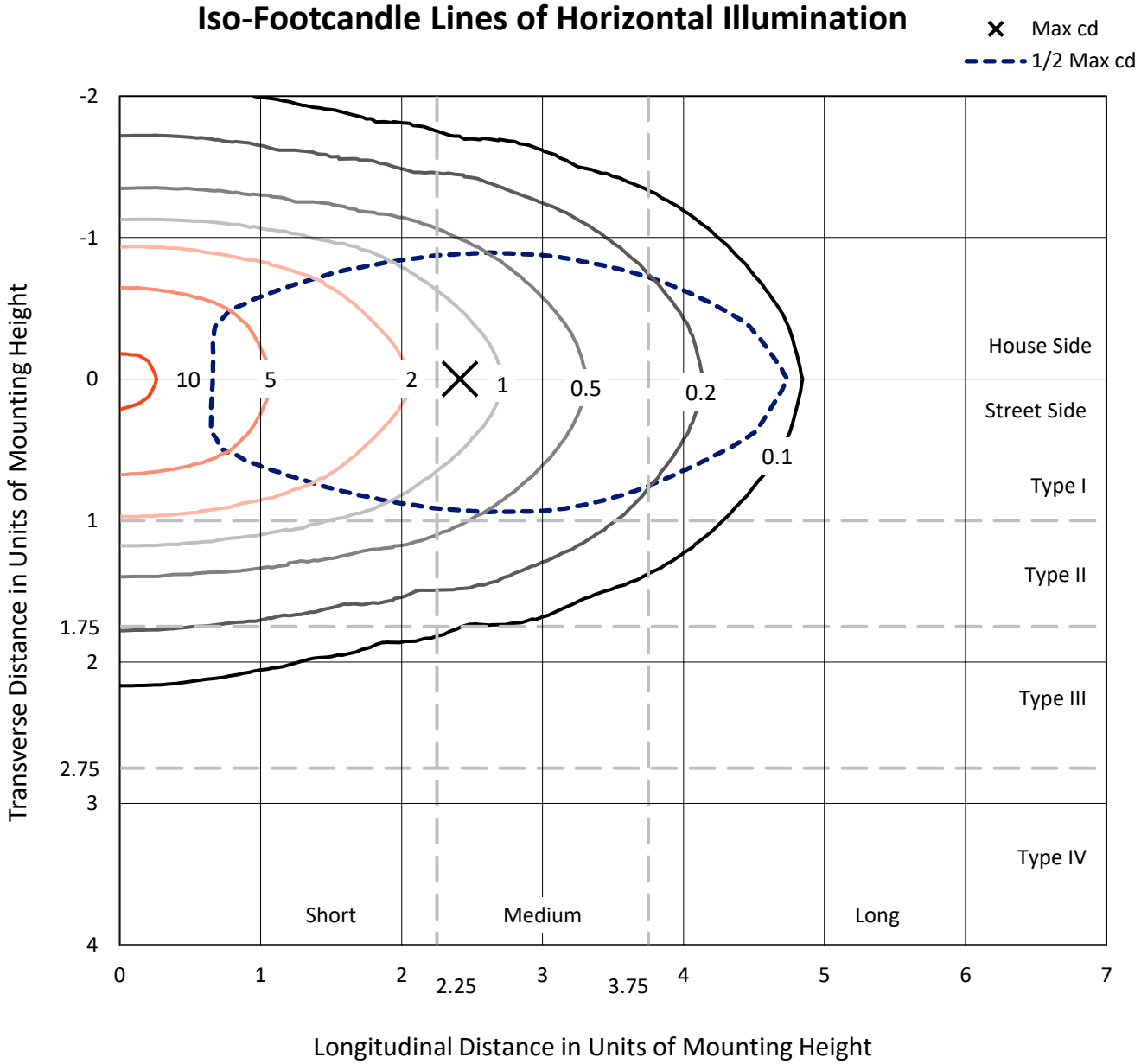
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 10.7 fc
Type I - Short - N/A

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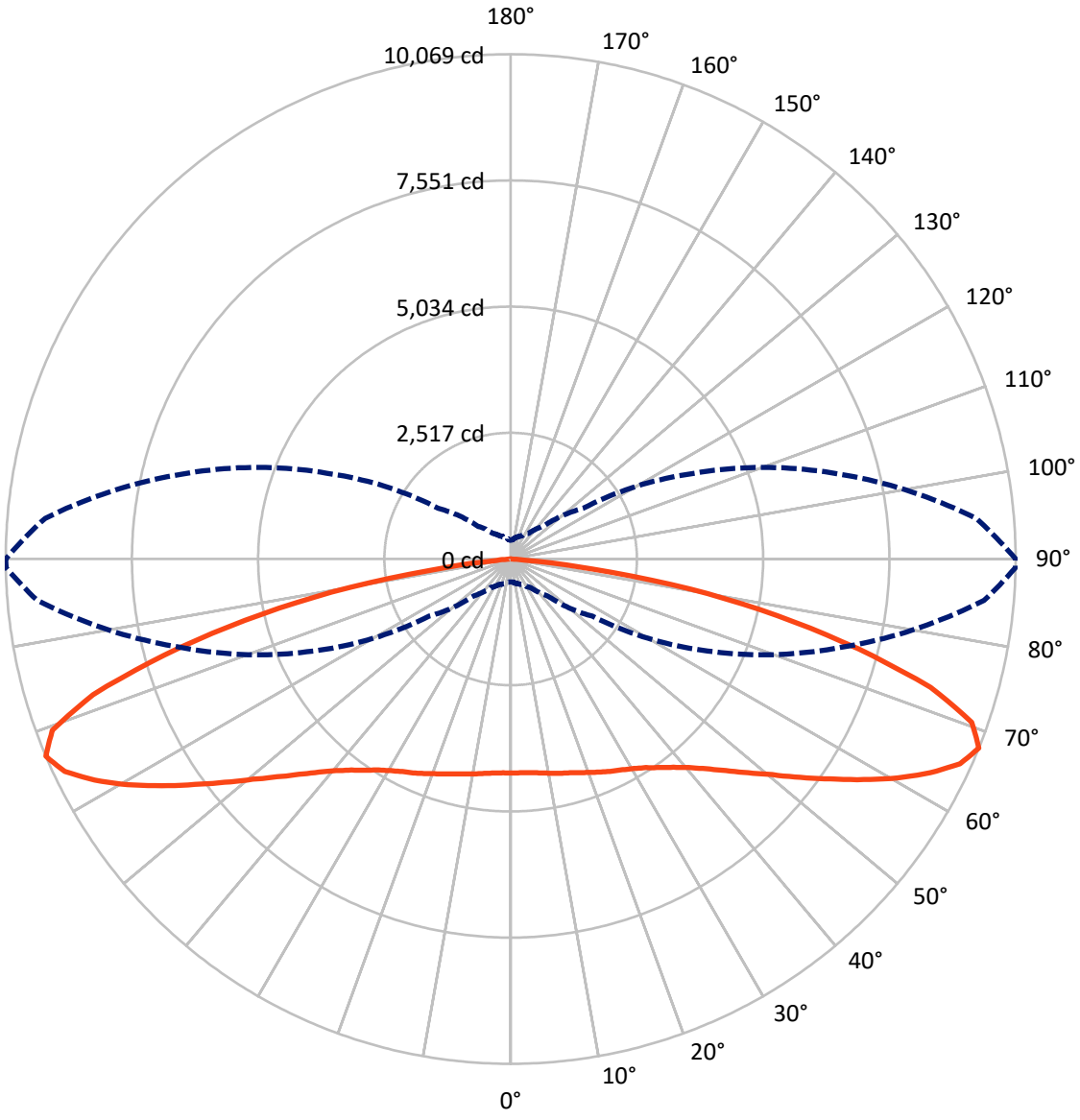
Luminous Intensity Polar Plot



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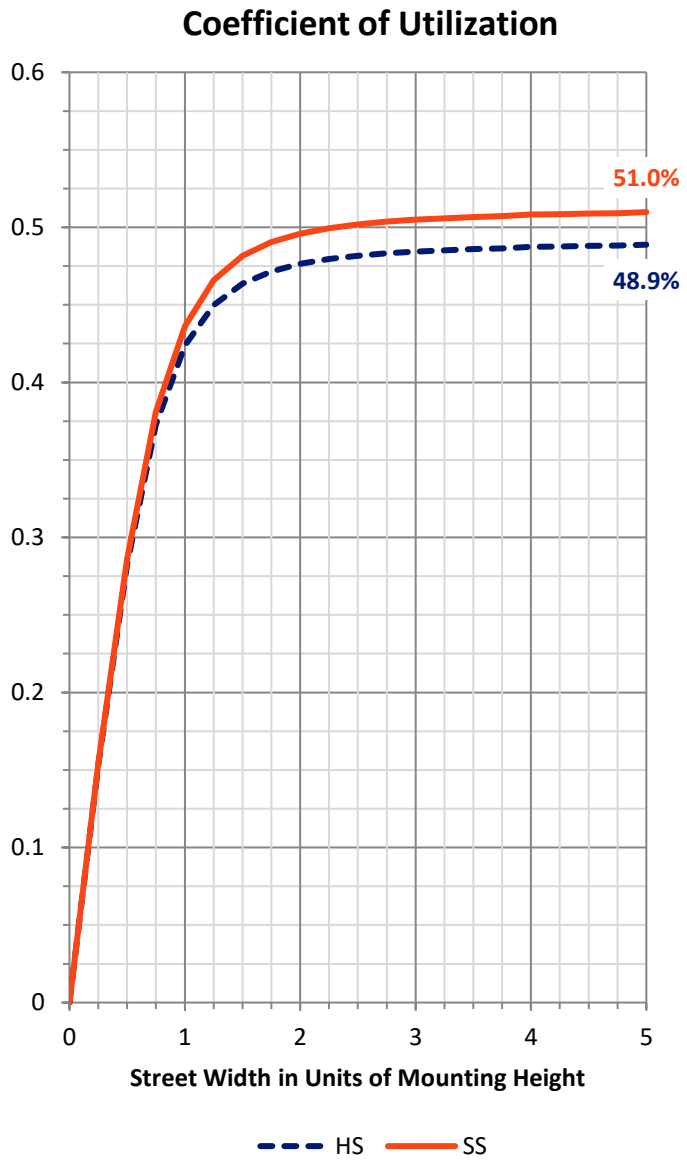
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8607.8	0.0	8607.8
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	8919.0	0.0	8919.0
	% Fixture	50.9	0.0	50.9
Total	Lumens	17526.8	0.0	17526.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.3	2.3
10°-20°	1229.9	7.0
20°-30°	2035.4	11.6
30°-40°	2698.9	15.4
40°-50°	3043.0	17.4
50°-60°	3119.5	17.8
60°-70°	2946.4	16.8
70°-80°	1807.9	10.3
80°-90°	236.6	1.3
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°	17526.8	100.0
0°-180°	17526.8	100.0



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REPORT NUMBER: P867454
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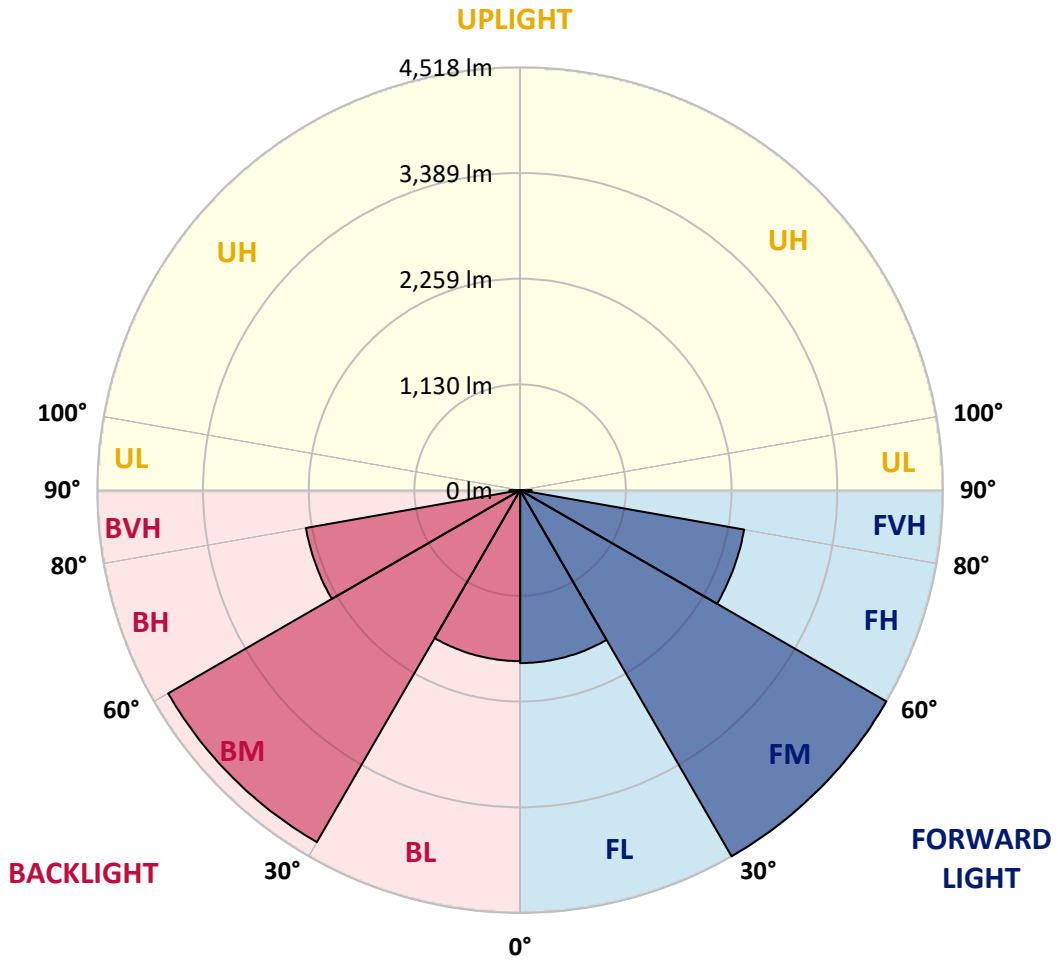
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1847.8	10.5			
FM	(30°-60°)	4518.2	25.8			
FH	(60°-80°)	2429.8	13.9			G2/5000
FVH	(80°-90°)	123.2	0.7			G2/225
BL	(0°-30°)	1826.7	10.4	B3/2500		
BM	(30°-60°)	4343.3	24.8	B3/5000		
BH	(60°-80°)	2324.4	13.3	B3/2500		G3/2500
BVH	(80°-90°)	113.3	0.6			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 I Short



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REPORT NUMBER: P867454
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	4270.4	4270.4	4270.4	4270.4	4270.4	4270.4	4270.4	4270.4	4270.4	4270.4	4270.4
2.5°	4287.2	4287.2	4277.1	4260.3	4256.9	4260.3	4280.5	4270.4	4270.4	4273.7	4270.4
5°	4287.2	4287.2	4280.5	4263.6	4263.6	4263.6	4287.2	4277.1	4280.5	4283.8	4283.8
7.5°	4293.9	4293.9	4287.2	4273.7	4273.7	4273.7	4307.4	4300.7	4300.7	4310.7	4304.0
10°	4310.7	4304.0	4297.3	4300.7	4290.6	4307.4	4324.2	4327.6	4341.0	4347.8	4344.4
12.5°	4310.7	4304.0	4287.2	4307.4	4307.4	4330.9	4354.5	4368.0	4384.8	4384.8	4384.8
15°	4290.6	4283.8	4270.4	4304.0	4317.5	4347.8	4381.4	4401.6	4431.9	4431.9	4428.5
17.5°	4267.0	4256.9	4250.2	4300.7	4330.9	4371.3	4421.8	4448.7	4482.4	4485.7	4479.0
20°	4223.3	4219.9	4223.3	4290.6	4344.4	4401.6	4462.2	4499.2	4542.9	4556.4	4546.3
22.5°	4176.1	4176.1	4189.6	4280.5	4364.6	4442.0	4522.8	4569.9	4613.6	4627.1	4613.6
25°	4112.2	4112.2	4139.1	4246.8	4371.3	4485.7	4580.0	4643.9	4684.3	4697.7	4691.0
27.5°	4014.6	4014.6	4044.9	4179.5	4351.1	4519.4	4640.5	4714.6	4758.3	4771.8	4765.0
30°	3876.6	3869.9	3910.3	4078.6	4314.1	4556.4	4711.2	4788.6	4845.8	4855.9	4845.8
32.5°	3657.9	3668.0	3728.6	3940.6	4253.5	4580.0	4795.3	4886.2	4950.1	4970.3	4963.6
35°	3392.1	3408.9	3493.0	3765.6	4139.1	4576.6	4882.8	4993.9	5078.0	5104.9	5101.6
37.5°	3075.7	3099.3	3203.6	3523.3	3967.5	4526.1	4963.6	5115.0	5226.1	5259.7	5266.4
40°	2729.1	2752.7	2887.3	3240.6	3735.3	4408.3	5010.7	5253.0	5401.1	5468.4	5478.5
42.5°	2362.3	2402.7	2564.2	2907.5	3456.0	4219.9	5010.7	5387.6	5569.3	5693.8	5703.9
45°	2009.0	2042.6	2237.8	2574.3	3156.5	3977.6	4953.5	5522.2	5798.1	6013.5	6006.8
47.5°	1702.8	1712.9	1891.2	2231.1	2823.4	3701.7	4835.7	5643.3	6040.4	6326.5	6387.0
50°	1386.4	1410.0	1561.4	1897.9	2483.5	3398.8	4637.2	5720.7	6289.5	6723.6	6801.0
52.5°	1164.3	1167.7	1282.1	1591.7	2130.1	3032.0	4398.2	5740.9	6528.4	7154.3	7248.5
55°	949.0	965.8	1063.4	1295.6	1790.3	2671.9	4088.6	5710.6	6747.1	7571.6	7746.6
57.5°	814.4	817.7	888.4	1073.5	1510.9	2288.3	3745.4	5609.7	6928.8	8032.6	8254.7
60°	699.9	699.9	753.8	895.1	1221.5	1914.8	3341.6	5431.3	7029.8	8527.3	8850.3
62.5°	609.1	612.5	659.6	763.9	1016.3	1581.6	2897.4	5152.0	7066.8	9005.1	9375.3
65°	551.9	555.2	582.2	652.8	837.9	1285.5	2443.1	4812.2	7016.3	9361.8	9843.0
67.5°	*457.7*	*461.0*	*508.1*	*562.0*	*696.6*	*1033.1*	*1985.4*	*4341.0*	*6811.0*	*9472.9*	*10061.8*
70°	350.0	360.1	424.0	481.2	578.8	824.5	1524.4	3718.5	6319.7	9096.0	9701.7
72.5°	292.8	296.1	343.2	407.2	484.6	646.1	1157.6	2927.7	5572.7	8123.5	8796.5
75°	255.8	259.1	286.0	343.2	403.8	518.2	804.3	2022.5	4445.4	6568.8	7184.6
77.5°	232.2	235.6	242.3	289.4	339.9	400.5	568.7	1201.4	3136.3	5020.8	5343.8
80°	222.1	222.1	205.3	238.9	279.3	313.0	380.3	689.9	2012.4	3385.3	3644.4
82.5°	158.2	154.8	141.3	148.1	171.6	171.6	195.2	286.0	770.6	1430.2	1551.3
85°	10.1	10.1	16.8	20.2	30.3	40.4	50.5	67.3	195.2	265.8	275.9
87.5°	3.4	3.4	3.4	3.4	3.4	6.7	6.7	6.7	10.1	13.5	13.5
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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CATALOG NUMBER: MEM2-HTN-SA-110-740-U-T1

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4270.4	4270.4	4270.4	4270.4	4270.4	4270.4	4270.4	4270.4	4270.4	4270.4	4270.4
2.5°	4267.0	4270.4	4270.4	4277.1	4283.8	4280.5	4277.1	4283.8	4273.7	4253.5	4250.2
5°	4280.5	4280.5	4277.1	4283.8	4290.6	4283.8	4277.1	4277.1	4270.4	4250.2	4246.8
7.5°	4307.4	4304.0	4304.0	4304.0	4304.0	4293.9	4283.8	4277.1	4267.0	4246.8	4236.7
10°	4344.4	4341.0	4337.7	4334.3	4317.5	4307.4	4290.6	4280.5	4267.0	4243.4	4236.7
12.5°	4384.8	4378.1	4371.3	4374.7	4341.0	4310.7	4293.9	4270.4	4260.3	4206.4	4196.3
15°	4425.2	4415.1	4411.7	4398.2	4364.6	4320.8	4287.2	4253.5	4219.9	4169.4	4152.6
17.5°	4479.0	4472.3	4452.1	4438.6	4391.5	4330.9	4280.5	4233.3	4189.6	4129.0	4118.9
20°	4542.9	4536.2	4516.0	4489.1	4428.5	4354.5	4283.8	4209.8	4156.0	4085.3	4068.5
22.5°	4613.6	4603.5	4586.7	4556.4	4479.0	4391.5	4293.9	4196.3	4115.6	4034.8	4024.7
25°	4687.6	4680.9	4664.1	4620.3	4536.2	4428.5	4293.9	4149.2	4048.3	3977.6	3947.3
27.5°	4758.3	4754.9	4734.8	4684.3	4596.8	4455.4	4263.6	4071.8	3937.2	3843.0	3822.8
30°	4849.2	4842.4	4818.9	4761.7	4664.1	4472.3	4203.1	3940.6	3772.3	3668.0	3637.7
32.5°	4960.2	4953.5	4919.8	4849.2	4744.9	4475.6	4115.6	3772.3	3550.2	3439.2	3402.2
35°	5108.3	5094.8	5051.1	4967.0	4822.2	4442.0	3960.8	3557.0	3284.4	3139.7	3089.2
37.5°	5269.8	5253.0	5195.8	5091.5	4876.1	4351.1	3742.0	3267.6	2958.0	2786.3	2749.3
40°	5468.4	5444.8	5357.3	5212.6	4896.3	4193.0	3496.4	2971.4	2641.6	2453.2	2409.4
42.5°	5717.4	5677.0	5535.7	5347.2	4855.9	3977.6	3203.6	2665.2	2288.3	2113.3	2103.2
45°	6016.9	5952.9	5740.9	5478.5	4768.4	3708.4	2894.0	2321.9	1961.9	1790.3	1746.5
47.5°	6370.2	6292.8	5979.9	5579.4	4596.8	3432.4	2560.9	1988.8	1659.0	1484.0	1450.4
50°	6760.6	6686.5	6232.2	5636.6	4411.7	3109.4	2234.5	1692.7	1362.9	1218.2	1218.2
52.5°	7235.1	7066.8	6474.5	5643.3	4129.0	2752.7	1921.5	1403.3	1144.1	1016.3	989.4
55°	7739.8	7541.3	6693.3	5582.8	3836.3	2426.3	1585.0	1167.7	938.9	848.0	824.5
57.5°	8301.8	7998.9	6851.4	5461.6	3466.1	2069.6	1322.5	962.4	790.8	716.8	706.7
60°	8867.2	8476.8	6945.7	5256.4	3072.4	1739.8	1100.4	804.3	679.8	625.9	615.8
62.5°	9392.1	8867.2	6952.4	4956.9	2688.7	1450.4	901.9	693.2	602.4	562.0	562.0
65°	9846.4	9193.6	6838.0	4573.2	2200.8	1164.3	743.7	585.5	525.0	481.2	471.1
67.5°	10068.5	9318.1	6636.1	4048.3	1763.3	922.0	625.9	508.1	450.9	383.6	376.9
70°	9755.5	8958.0	6117.8	3375.2	1362.9	733.6	521.6	434.1	376.9	319.7	313.0
72.5°	8756.1	7998.9	5279.9	2614.7	1026.4	592.3	434.1	370.2	309.6	279.3	272.6
75°	7164.4	6652.9	4172.8	1800.4	716.8	464.4	363.4	313.0	262.5	249.0	245.7
77.5°	5438.1	4946.8	3048.8	1127.3	491.3	363.4	309.6	265.8	228.8	238.9	232.2
80°	3631.0	3405.5	2025.8	639.4	329.8	265.8	235.6	195.2	175.0	201.9	195.2
82.5°	1648.9	1561.4	952.3	279.3	148.1	114.4	80.8	60.6	47.1	43.7	50.5
85°	275.9	242.3	67.3	30.3	16.8	10.1	6.7	6.7	3.4	3.4	3.4
87.5°	13.5	10.1	10.1	6.7	3.4	3.4	3.4	3.4	3.4	0.0	0.0
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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2407-157-5

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-30-740-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-30-740-U-5WQ-2

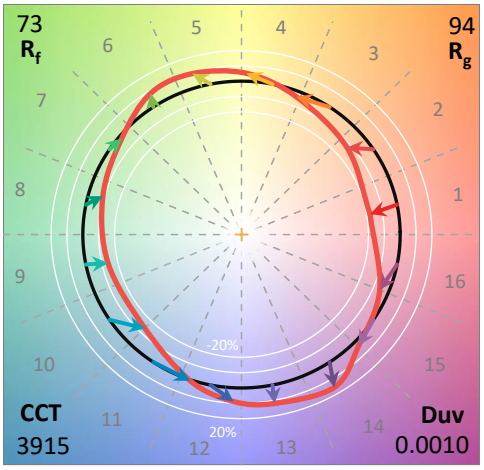
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-5
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-30-740-U-5WQ-2**
Description:	Epic Modern Light Square 30W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	3915	CRI (Ra):	71.0		
CIE u':	0.2262	R1:	67.6	R9:	-38.4
CIE v':	0.5044	R2:	78.3	R10:	48.9
Duv:	0.0010	R3:	87.1	R11:	65.3
CIE x:	0.3850	R4:	69.7	R12:	40.4
CIE y:	0.3816	R5:	67.4	R13:	69.3
CIE z:	0.2334	R6:	69.3	R14:	92.6
Peak Wavelength (nm):	449	R7:	79.7	R15:	59.9
Dominant Wavelength (nm):	578	R8:	48.7		
Purity:	30.05482				
Rf:	73.2				
Rg:	93.9				



Test Conditions

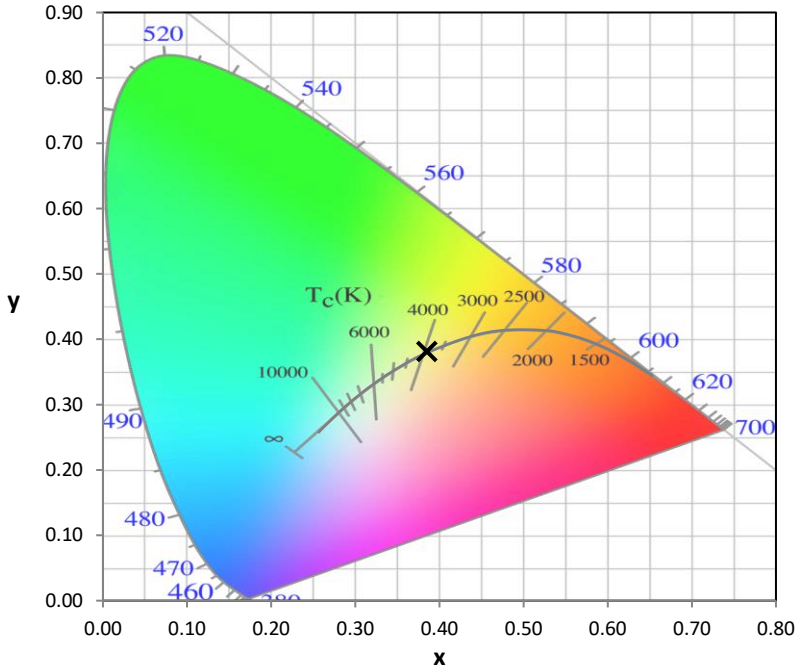
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-5

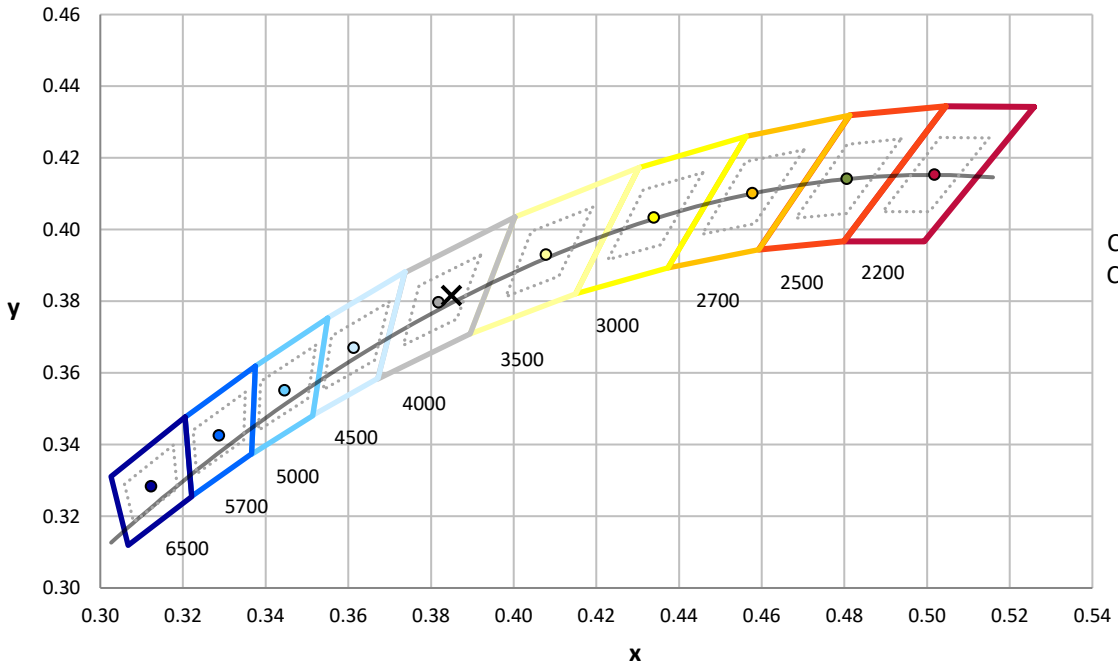
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-5

CIE 1931 Chromaticity Diagram



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

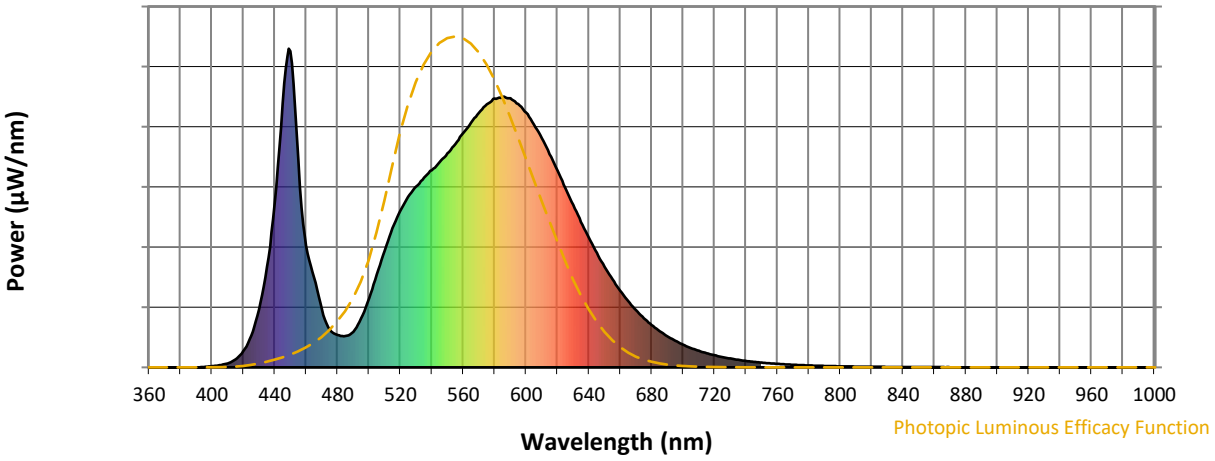


CCT = 3915K
CIE x = 0.3850
CIE y = 0.3816
Duv = 0.0010

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-5

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	112	NR	620	618	NR	750	15	NR	880	0	NR
365	0	NR	495	153	NR	625	563	NR	755	13	NR	885	0	NR
370	0	NR	500	216	NR	630	510	NR	760	11	NR	890	0	NR
375	0	NR	505	291	NR	635	456	NR	765	9	NR	895	0	NR
380	0	NR	510	366	NR	640	407	NR	770	8	NR	900	0	NR
385	0	NR	515	436	NR	645	359	NR	775	7	NR	905	0	NR
390	0	NR	520	492	NR	650	316	NR	780	6	NR	910	0	NR
395	2	NR	525	536	NR	655	277	NR	785	5	NR	915	0	NR
400	4	NR	530	567	NR	660	240	NR	790	4	NR	920	0	NR
405	7	NR	535	596	NR	665	208	NR	795	4	NR	925	0	NR
410	12	NR	540	619	NR	670	179	NR	800	3	NR	930	0	NR
415	25	NR	545	644	NR	675	154	NR	805	3	NR	935	0	NR
420	51	NR	550	671	NR	680	133	NR	810	3	NR	940	0	NR
425	100	NR	555	701	NR	685	114	NR	815	2	NR	945	0	NR
430	180	NR	560	735	NR	690	98	NR	820	2	NR	950	0	NR
435	315	NR	565	768	NR	695	83	NR	825	2	NR	955	0	NR
440	514	NR	570	798	NR	700	71	NR	830	1	NR	960	0	NR
445	828	NR	575	825	NR	705	61	NR	835	1	NR	965	0	NR
450	992	NR	580	843	NR	710	52	NR	840	1	NR	970	0	NR
455	652	NR	585	848	NR	715	44	NR	845	1	NR	975	0	NR
460	382	NR	590	844	NR	720	38	NR	850	1	NR	980	0	NR
465	282	NR	595	826	NR	725	32	NR	855	1	NR	985	0	NR
470	180	NR	600	800	NR	730	28	NR	860	1	NR	990	0	NR
475	119	NR	605	762	NR	735	24	NR	865	1	NR	995	0	NR
480	101	NR	610	719	NR	740	20	NR	870	1	NR	1000	0	NR
485	98	NR	615	669	NR	745	17	NR	875	0	NR			

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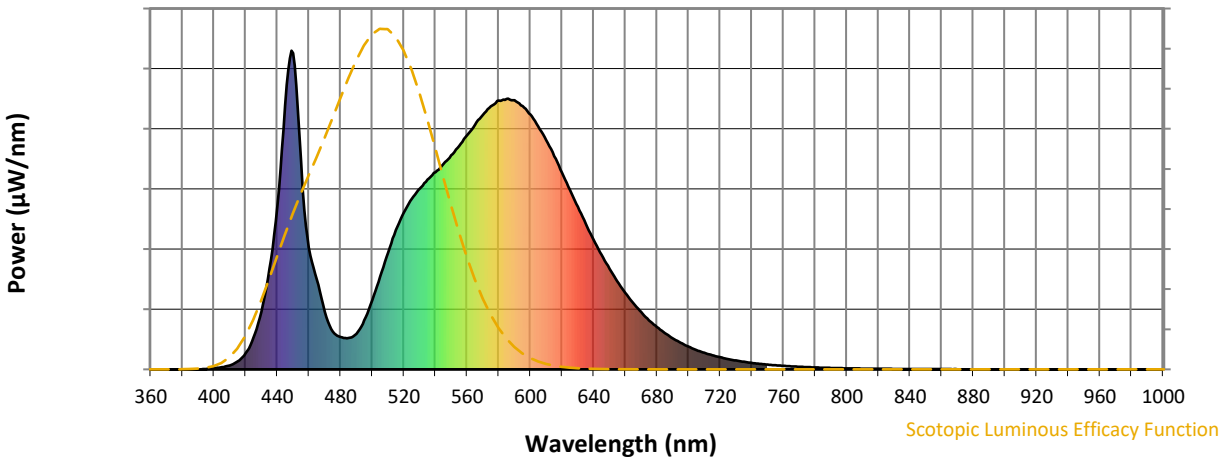
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.49**

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	112	NR	620	618	NR	750	15	NR	880	0	NR
365	0	NR	495	153	NR	625	563	NR	755	13	NR	885	0	NR
370	0	NR	500	216	NR	630	510	NR	760	11	NR	890	0	NR
375	0	NR	505	291	NR	635	456	NR	765	9	NR	895	0	NR
380	0	NR	510	366	NR	640	407	NR	770	8	NR	900	0	NR
385	0	NR	515	436	NR	645	359	NR	775	7	NR	905	0	NR
390	0	NR	520	492	NR	650	316	NR	780	6	NR	910	0	NR
395	2	NR	525	536	NR	655	277	NR	785	5	NR	915	0	NR
400	4	NR	530	567	NR	660	240	NR	790	4	NR	920	0	NR
405	7	NR	535	596	NR	665	208	NR	795	4	NR	925	0	NR
410	12	NR	540	619	NR	670	179	NR	800	3	NR	930	0	NR
415	25	NR	545	644	NR	675	154	NR	805	3	NR	935	0	NR
420	51	NR	550	671	NR	680	133	NR	810	3	NR	940	0	NR
425	100	NR	555	701	NR	685	114	NR	815	2	NR	945	0	NR
430	180	NR	560	735	NR	690	98	NR	820	2	NR	950	0	NR
435	315	NR	565	768	NR	695	83	NR	825	2	NR	955	0	NR
440	514	NR	570	798	NR	700	71	NR	830	1	NR	960	0	NR
445	828	NR	575	825	NR	705	61	NR	835	1	NR	965	0	NR
450	992	NR	580	843	NR	710	52	NR	840	1	NR	970	0	NR
455	652	NR	585	848	NR	715	44	NR	845	1	NR	975	0	NR
460	382	NR	590	844	NR	720	38	NR	850	1	NR	980	0	NR
465	282	NR	595	826	NR	725	32	NR	855	1	NR	985	0	NR
470	180	NR	600	800	NR	730	28	NR	860	1	NR	990	0	NR
475	119	NR	605	762	NR	735	24	NR	865	1	NR	995	0	NR
480	101	NR	610	719	NR	740	20	NR	870	1	NR	1000	0	NR
485	98	NR	615	669	NR	745	17	NR	875	0	NR			

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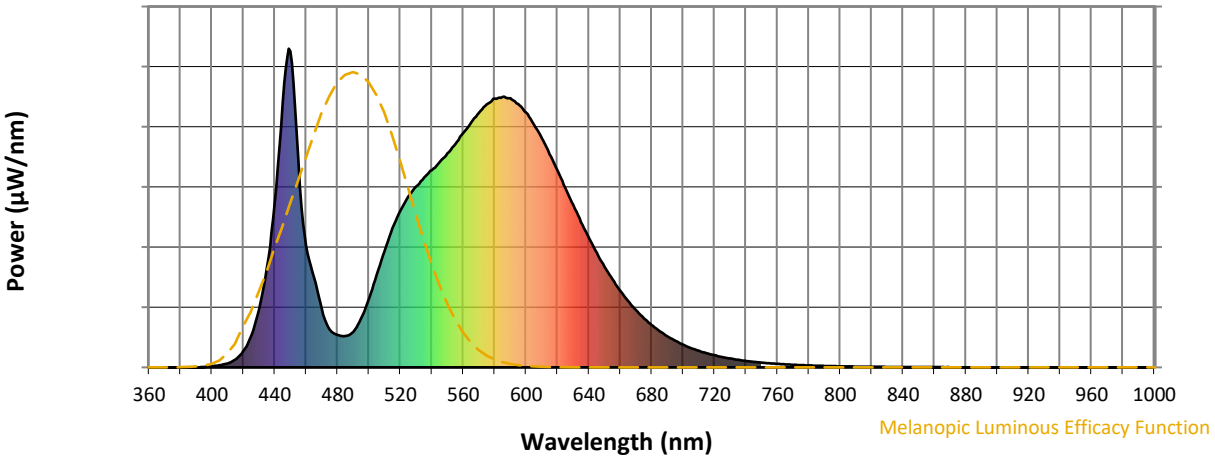
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	112	NR	620	618	NR	750	15	NR	880	0	NR
365	0	NR	495	153	NR	625	563	NR	755	13	NR	885	0	NR
370	0	NR	500	216	NR	630	510	NR	760	11	NR	890	0	NR
375	0	NR	505	291	NR	635	456	NR	765	9	NR	895	0	NR
380	0	NR	510	366	NR	640	407	NR	770	8	NR	900	0	NR
385	0	NR	515	436	NR	645	359	NR	775	7	NR	905	0	NR
390	0	NR	520	492	NR	650	316	NR	780	6	NR	910	0	NR
395	2	NR	525	536	NR	655	277	NR	785	5	NR	915	0	NR
400	4	NR	530	567	NR	660	240	NR	790	4	NR	920	0	NR
405	7	NR	535	596	NR	665	208	NR	795	4	NR	925	0	NR
410	12	NR	540	619	NR	670	179	NR	800	3	NR	930	0	NR
415	25	NR	545	644	NR	675	154	NR	805	3	NR	935	0	NR
420	51	NR	550	671	NR	680	133	NR	810	3	NR	940	0	NR
425	100	NR	555	701	NR	685	114	NR	815	2	NR	945	0	NR
430	180	NR	560	735	NR	690	98	NR	820	2	NR	950	0	NR
435	315	NR	565	768	NR	695	83	NR	825	2	NR	955	0	NR
440	514	NR	570	798	NR	700	71	NR	830	1	NR	960	0	NR
445	828	NR	575	825	NR	705	61	NR	835	1	NR	965	0	NR
450	992	NR	580	843	NR	710	52	NR	840	1	NR	970	0	NR
455	652	NR	585	848	NR	715	44	NR	845	1	NR	975	0	NR
460	382	NR	590	844	NR	720	38	NR	850	1	NR	980	0	NR
465	282	NR	595	826	NR	725	32	NR	855	1	NR	985	0	NR
470	180	NR	600	800	NR	730	28	NR	860	1	NR	990	0	NR
475	119	NR	605	762	NR	735	24	NR	865	1	NR	995	0	NR
480	101	NR	610	719	NR	740	20	NR	870	1	NR	1000	0	NR
485	98	NR	615	669	NR	745	17	NR	875	0	NR			

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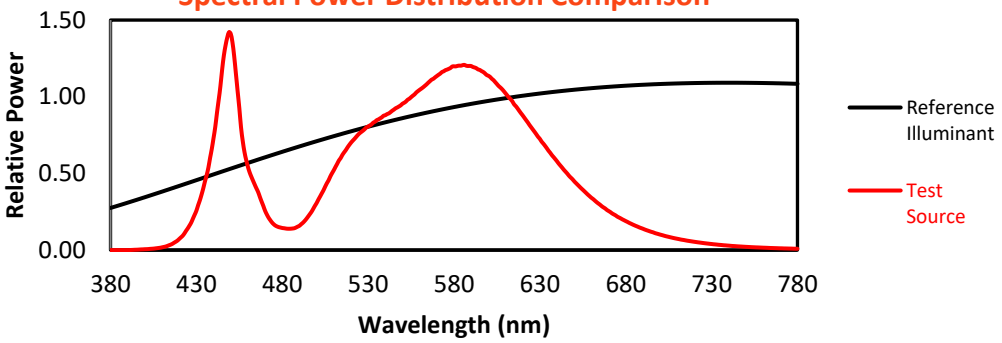
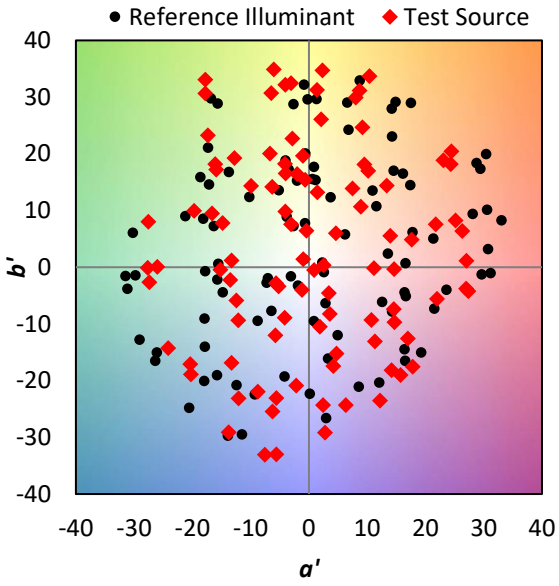
Summary

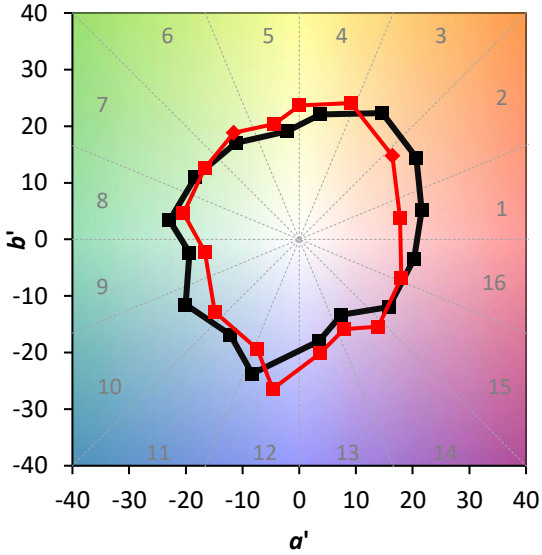
R_f = 73.2
R_g = 93.9
CIE R_a = 71.0
R_9 = -38.4

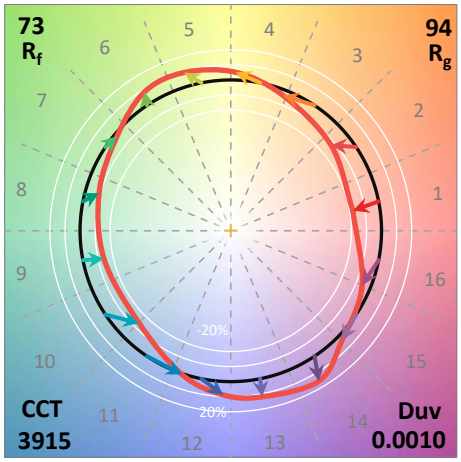
Spectral Power Distribution Comparison

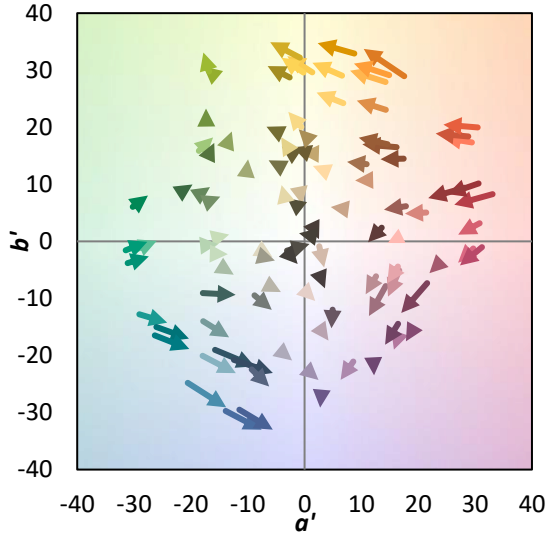


Color Vector Graphics









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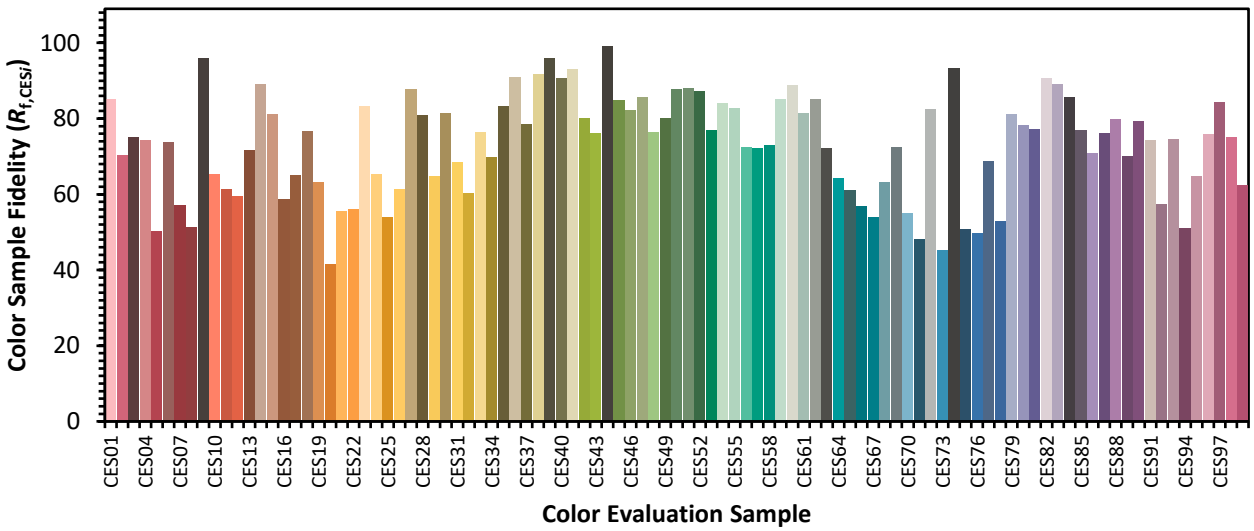
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 61	CES51 = 88	CES76 = 50
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 69
CES03 = 30	CES28 = 81	CES53 = 77	CES78 = 53
CES04 = 70	CES29 = 65	CES54 = 84	CES79 = 81
CES05 = 47	CES30 = 81	CES55 = 83	CES80 = 78
CES06 = 50	CES31 = 69	CES56 = 73	CES81 = 77
CES07 = 40	CES32 = 60	CES57 = 72	CES82 = 91
CES08 = 39	CES33 = 76	CES58 = 73	CES83 = 89
CES09 = 29	CES34 = 70	CES59 = 85	CES84 = 86
CES10 = 74	CES35 = 83	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 91	CES61 = 81	CES86 = 71
CES12 = 63	CES37 = 79	CES62 = 85	CES87 = 76
CES13 = 42	CES38 = 92	CES63 = 72	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 64	CES89 = 70
CES15 = 71	CES40 = 91	CES65 = 61	CES90 = 79
CES16 = 46	CES41 = 93	CES66 = 57	CES91 = 74
CES17 = 49	CES42 = 80	CES67 = 54	CES92 = 57
CES18 = 56	CES43 = 76	CES68 = 63	CES93 = 74
CES19 = 72	CES44 = 99	CES69 = 73	CES94 = 51
CES20 = 65	CES45 = 85	CES70 = 55	CES95 = 65
CES21 = 86	CES46 = 82	CES71 = 48	CES96 = 76
CES22 = 78	CES47 = 86	CES72 = 83	CES97 = 84
CES23 = 92	CES48 = 77	CES73 = 45	CES98 = 75
CES24 = 91	CES49 = 80	CES74 = 93	CES99 = 62
CES25 = 72	CES50 = 88	CES75 = 51	



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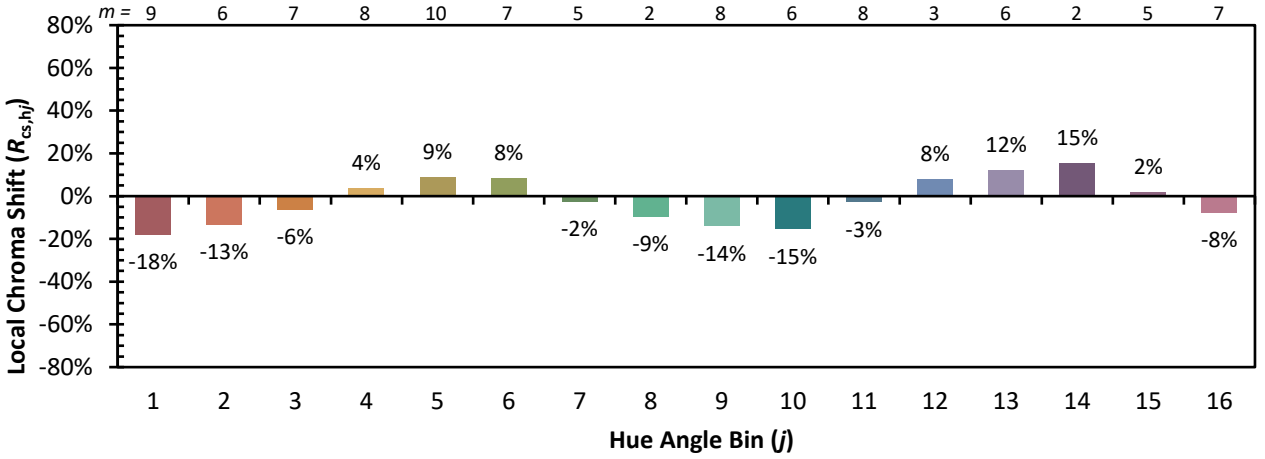
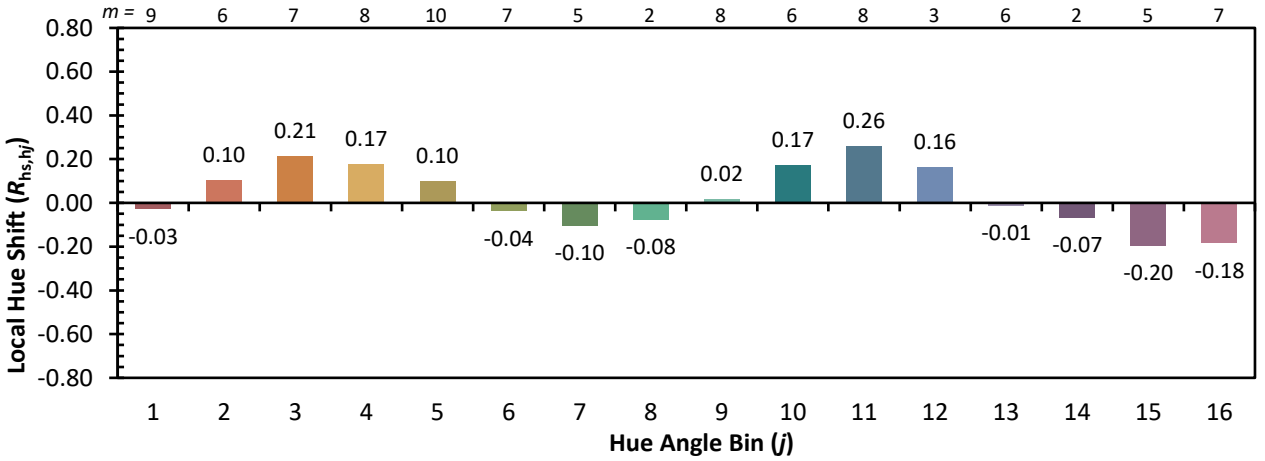
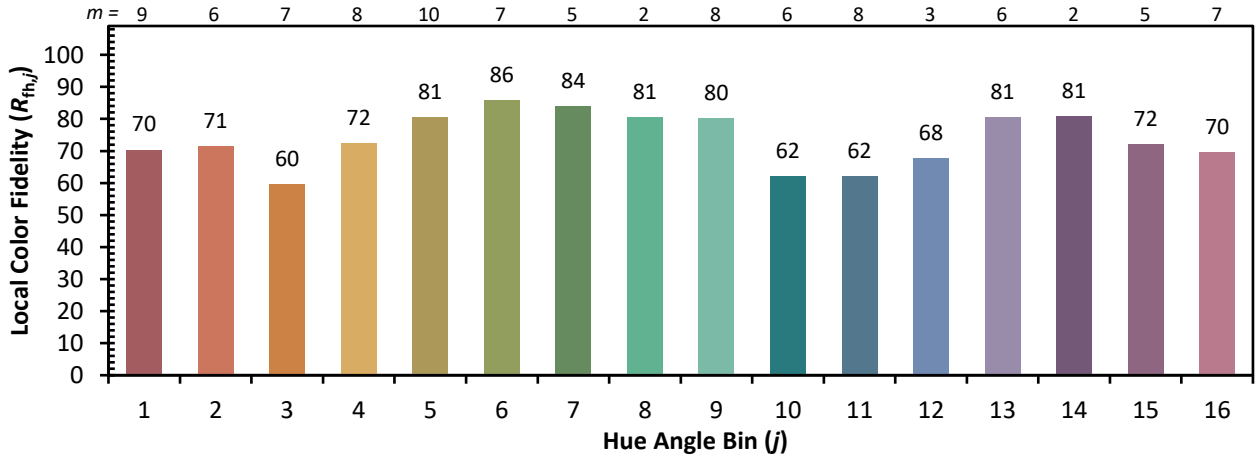
Color Rendition by Hue-Angle Bin







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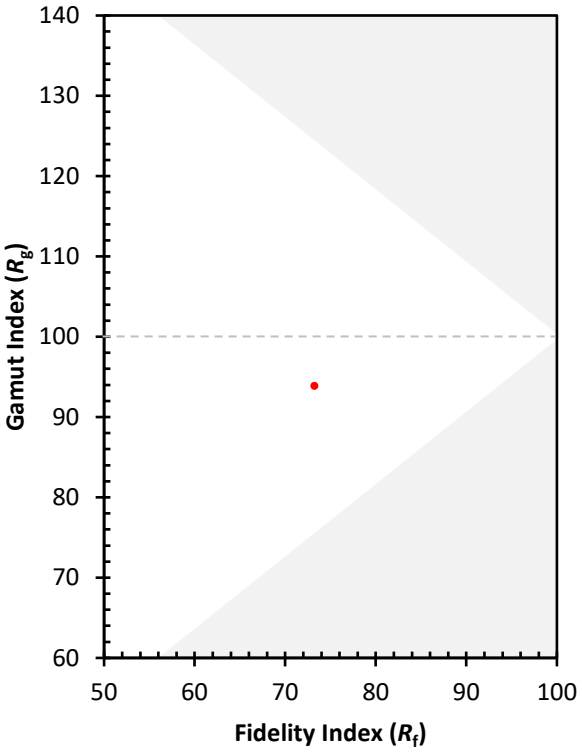
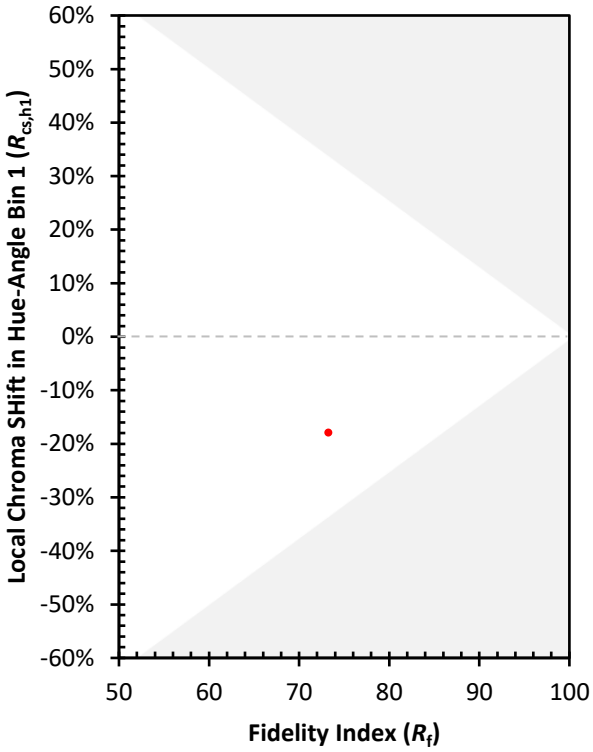
Measure Comparisons





(END OF REPORT)