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: P868451

Luminaire Tested: **EMM2-HTN-SA3B-722-U-T2U**

Issue Date: 08/22/2024

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:	P868451
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HTN-SA3B-722-U-T2U
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 150W 70CRI 2200K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source:	(30) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16540.9 lumens
Efficiency:	N/A
Efficacy:	123.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.33' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G3

Input Watts (W):	134
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.70%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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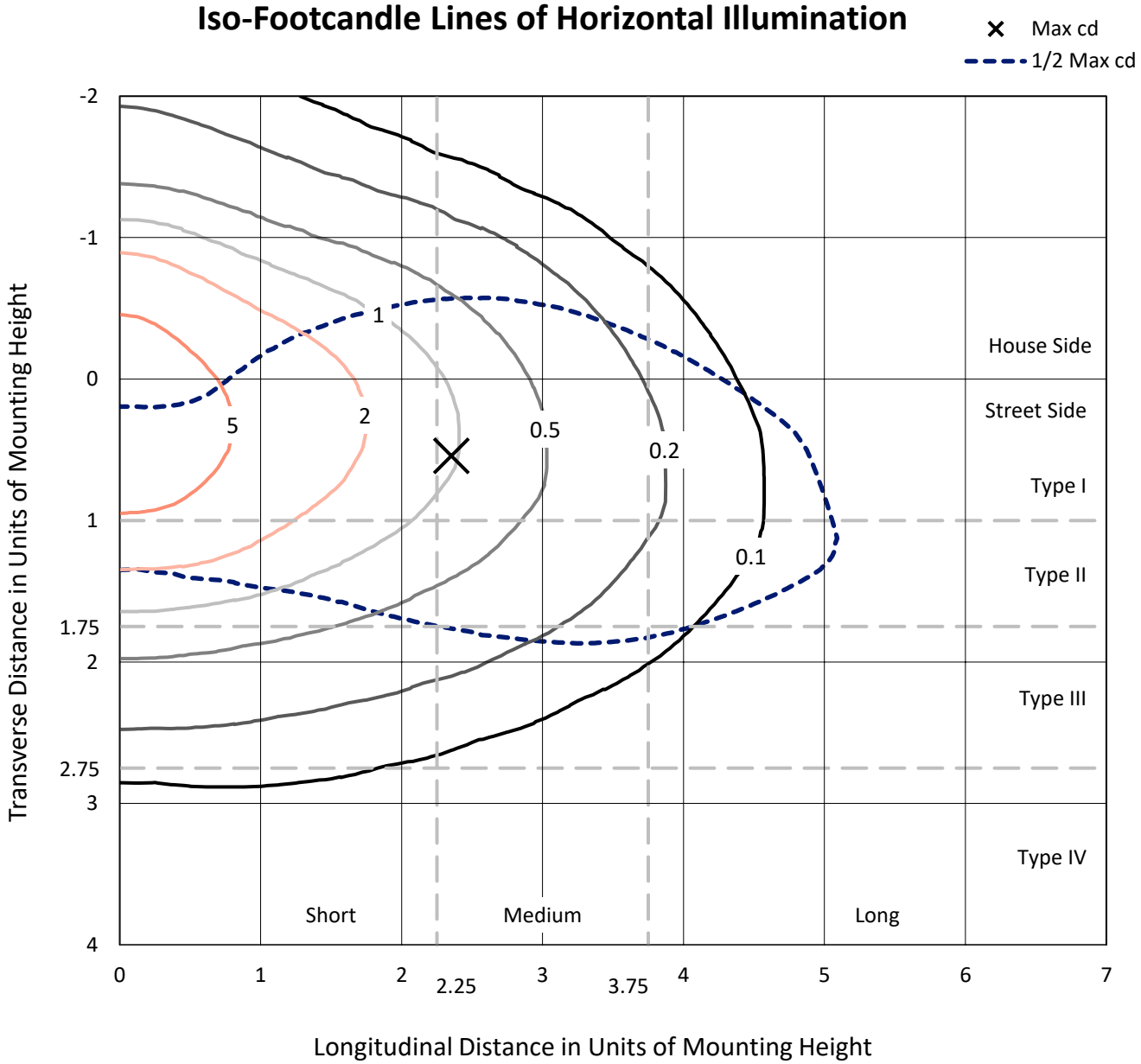
REPORT NUMBER: P868451
CATALOG NUMBER: EMM2-HTN-SA3B-722-U-T2U

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 8.9 fc
Type III - Medium - N/A

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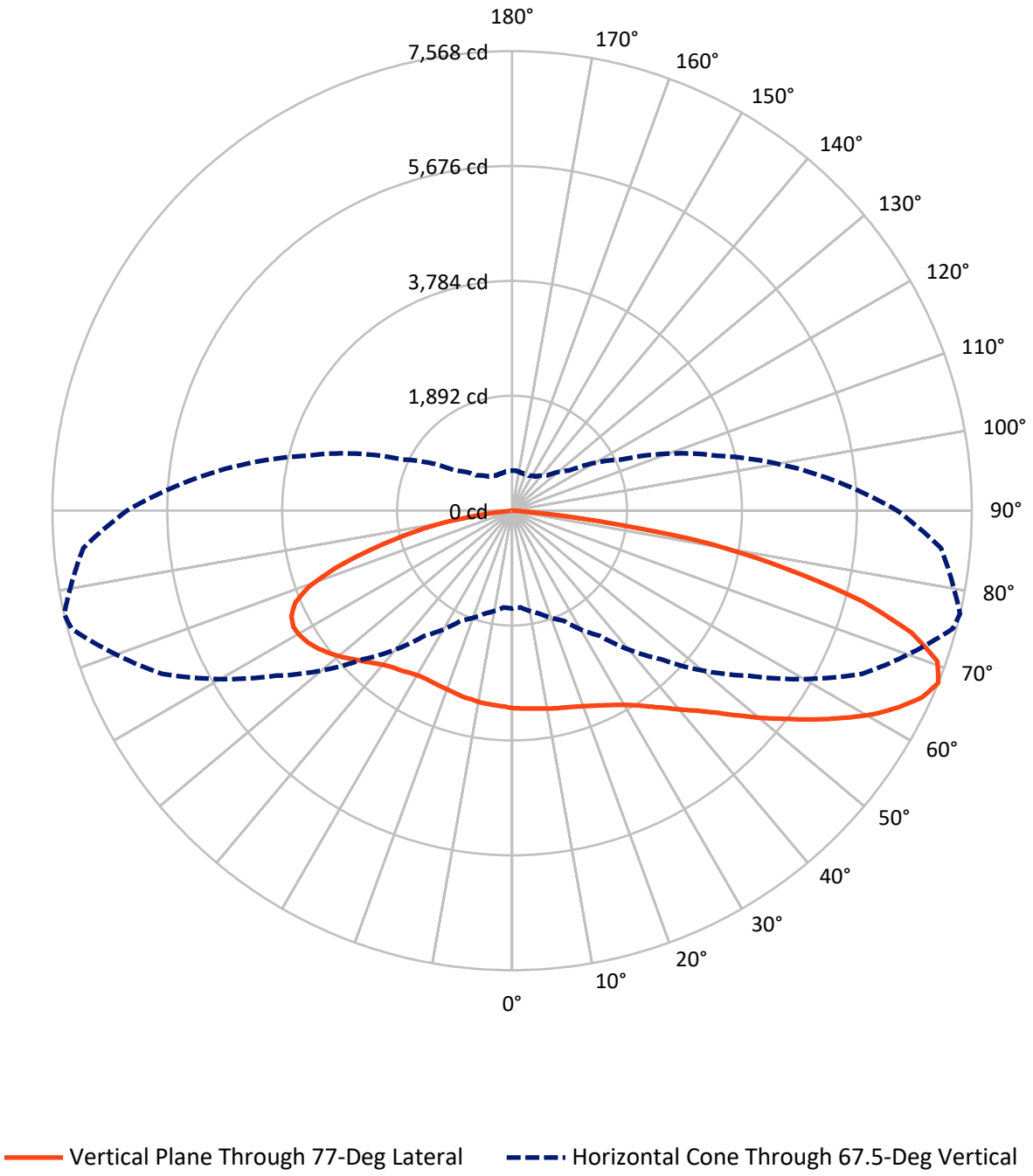
Luminous Intensity Polar Plot



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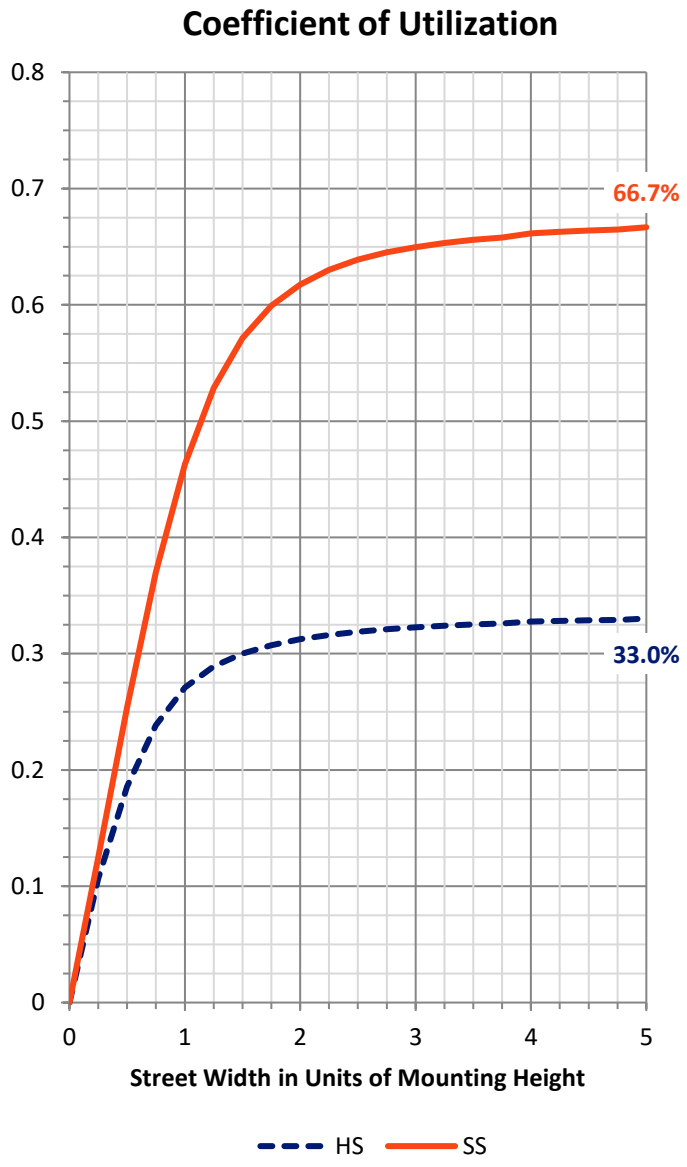
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5500.4	0.0	5500.4
	% Fixture	33.3	0.0	33.3
Street Side	Lumens	11040.5	0.0	11040.5
	% Fixture	66.7	0.0	66.7
Total	Lumens	16540.9	0.0	16540.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.6	1.9
10°-20°	948.0	5.7
20°-30°	1598.2	9.7
30°-40°	2267.9	13.7
40°-50°	2869.4	17.3
50°-60°	3143.3	19.0
60°-70°	3038.5	18.4
70°-80°	2043.6	12.4
80°-90°	319.3	1.9
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°	16540.9	100.0
0°-180°	16540.9	100.0



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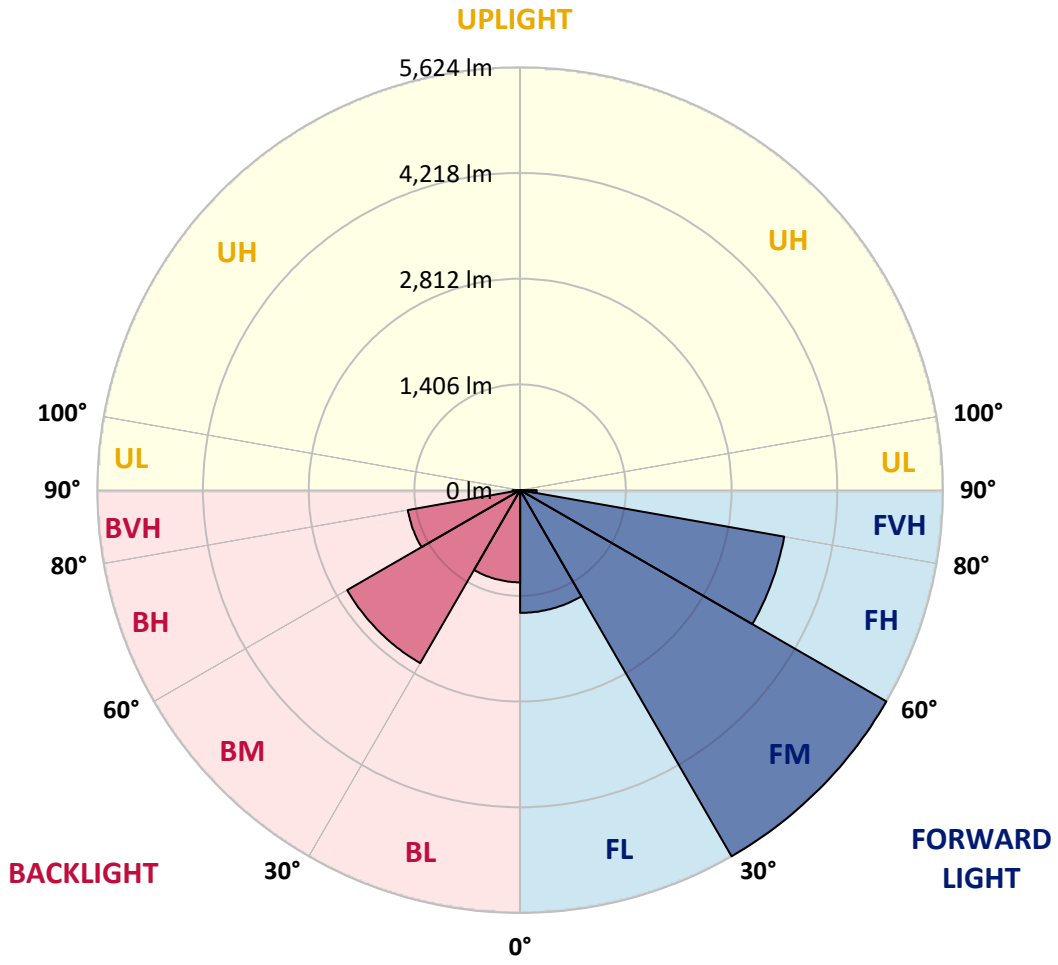
REPORT NUMBER: P868451
CATALOG NUMBER: EMM2-HTN-SA3B-722-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1632.6	9.9			
FM	(30°-60°)	5624.1	34.0			
FH	(60°-80°)	3565.1	21.6			G2/5000
FVH	(80°-90°)	218.7	1.3			G2/225
BL	(0°-30°)	1226.2	7.4	B3/2500		
BM	(30°-60°)	2656.6	16.1	B3/5000		
BH	(60°-80°)	1517.0	9.2	B3/2500		G3/2500
BVH	(80°-90°)	100.7	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 III Medium



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Scaled Data Report

REPORT NUMBER: P868451
CATALOG NUMBER: EMM2-HTN-SA3B-722-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3252.1	3252.1	3252.1	3252.1	3252.1	3252.1	3252.1	3252.1	3252.1	*3252.1*	3252.1
2.5°	3324.1	3320.8	3304.5	3311.0	3291.4	3304.5	3284.8	3268.5	3265.2	*3261.9*	3265.2
5°	3428.8	3412.4	3396.1	3386.3	3369.9	3363.4	3330.6	3297.9	3278.3	*3275.0*	3268.5
7.5°	3549.9	3543.3	3520.4	3507.3	3461.5	3438.6	3392.8	3333.9	3304.5	*3291.4*	3275.0
10°	3674.2	3690.5	3661.1	3634.9	3582.6	3533.5	3455.0	3379.7	3320.8	*3314.3*	3278.3
12.5°	3828.0	3824.7	3805.0	3759.2	3697.1	3628.4	3533.5	3428.8	3350.3	*3337.2*	3284.8
15°	3965.4	3962.1	3935.9	3893.4	3811.6	3726.5	3598.9	3477.9	3379.7	*3360.1*	3297.9
17.5°	4093.0	4086.4	4070.1	4024.3	3922.8	3818.1	3693.8	3533.5	3415.7	*3392.8*	3307.7
20°	4204.2	4210.7	4191.1	4145.3	4050.4	3939.2	3782.1	3605.5	3461.5	*3435.3*	3337.2
22.5°	4325.3	4328.5	4318.7	4302.4	4181.3	4063.5	3893.4	3687.3	3513.9	*3487.7*	3369.9
25°	4452.9	4456.1	4462.7	4452.9	4315.4	4187.8	4007.9	3788.7	3585.8	*3549.9*	3415.7
27.5°	4600.1	4603.4	4616.4	4596.8	4449.6	4315.4	4135.5	3896.7	3661.1	*3621.8*	3455.0
30°	4766.9	4780.0	4770.2	4763.7	4593.5	4462.7	4263.1	4007.9	3759.2	*3710.2*	3523.7
32.5°	4966.5	4963.2	4943.6	4924.0	4750.6	4613.2	4407.1	4151.9	3880.3	*3824.7*	3634.9
35°	5110.5	5110.5	5081.0	5071.2	4910.9	4766.9	4564.1	4312.2	4017.7	*3965.4*	3752.7
37.5°	5198.8	5211.9	5189.0	5195.5	5041.8	4907.6	4721.1	4475.8	4168.2	*4122.4*	3896.7
40°	5231.5	5264.3	5283.9	5310.1	5156.3	5041.8	4888.0	4652.4	4361.2	*4308.9*	4070.1
42.5°	5238.1	5287.2	5355.9	5411.5	5238.1	5143.2	5048.3	4832.4	4551.0	*4505.2*	4259.8
45°	5205.4	5182.5	5349.3	5355.9	5283.9	5225.0	5189.0	5048.3	4825.8	*4750.6*	4495.4
47.5°	4956.7	4930.5	4976.3	5185.7	5228.3	5261.0	5333.0	5300.2	5100.7	*5041.8*	4766.9
50°	4554.3	4541.2	4724.4	4950.2	5090.8	5257.7	5450.7	5542.3	5404.9	*5368.9*	5110.5
52.5°	3890.1	3854.1	4227.1	4665.5	4910.9	5225.0	5532.5	5791.0	5748.5	*5696.1*	5404.9
55°	3468.1	3468.1	3720.0	4266.4	4681.9	5107.2	5584.9	6052.7	6128.0	*6069.1*	5741.9
57.5°	3016.6	3052.5	3314.3	3690.5	4351.4	4891.3	5578.3	6272.0	6494.4	*6438.8*	6098.5
60°	2630.5	2659.9	2810.4	3190.0	3962.1	4606.6	5506.4	6451.9	6834.7	*6815.1*	6412.6
62.5°	2237.9	2273.9	2394.9	2751.5	3448.4	4279.5	5355.9	6550.0	7155.3	*7135.7*	6730.0
65°	1923.8	1927.1	2048.1	2345.8	2934.8	3883.6	5090.8	6530.4	7404.0	*7417.1*	6998.3
67.5°	*1609.7*	*1599.9*	*1756.9*	*1999.0*	*2516.0*	*3458.2*	*4737.5*	*6357.0*	*7508.7*	*7567.6*	*7086.6*
70°	1184.4	1197.5	1416.7	1685.0	2126.6	2967.5	4243.5	6020.0	7338.5	*7430.2*	6883.8
72.5°	889.9	916.1	1128.8	1406.9	1776.6	2476.7	3703.6	5434.4	6864.1	*6877.2*	6265.4
75°	723.1	729.6	919.4	1168.0	1455.9	1986.0	2974.0	4537.9	5804.1	*5954.6*	5323.1
77.5°	615.1	608.5	700.2	942.3	1174.6	1586.8	2241.2	3451.7	4557.6	*4626.3*	4168.2
80°	523.5	520.2	552.9	762.3	919.4	1132.0	1534.5	2404.7	3252.1	*3327.4*	2960.9
82.5°	274.8	294.5	287.9	471.1	520.2	595.5	736.1	1092.8	1419.9	*1439.6*	1361.0
85°	13.1	13.1	13.1	19.6	32.7	52.3	101.4	101.4	111.2	*212.7*	242.1
87.5°	3.3	3.3	6.5	6.5	6.5	9.8	9.8	13.1	13.1	*13.1*	13.1
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: P868451
CATALOG NUMBER: EMM2-HTN-SA3B-722-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3252.1	3252.1	3252.1	3252.1	3252.1	3252.1	3252.1	3252.1	3252.1	3252.1	3252.1
2.5°	3258.7	3245.6	3225.9	3229.2	3225.9	3225.9	3209.6	3196.5	3193.2	3199.8	3212.9
5°	3261.9	3242.3	3212.9	3203.0	3193.2	3186.7	3160.5	3140.9	3131.1	3137.6	3140.9
7.5°	3261.9	3232.5	3199.8	3180.1	3154.0	3134.3	3104.9	3078.7	3065.6	3068.9	3075.4
10°	3255.4	3222.7	3196.5	3157.2	3114.7	3091.8	3046.0	3013.3	2996.9	3000.2	2983.8
12.5°	3255.4	3219.4	3167.1	3131.1	3072.2	3023.1	2987.1	2951.1	2938.0	2924.9	2918.4
15°	3258.7	3212.9	3160.5	3085.3	3016.6	2964.2	2918.4	2895.5	2875.9	2869.3	2872.6
17.5°	3258.7	3212.9	3134.3	3046.0	2967.5	2902.0	2862.8	2836.6	2830.1	2823.5	2823.5
20°	3275.0	3216.1	3111.4	3006.7	2908.6	2839.9	2803.9	2787.5	2787.5	2777.7	2777.7
22.5°	3301.2	3222.7	3098.4	2974.0	2859.5	2784.3	2745.0	2725.4	2735.2	2728.6	2725.4
25°	3330.6	3245.6	3082.0	2928.2	2794.1	2715.6	2676.3	2663.2	2659.9	2643.6	2666.5
27.5°	3353.5	3261.9	3072.2	2882.4	2735.2	2643.6	2594.5	2571.6	2555.2	2561.8	2555.2
30°	3415.7	3307.7	3075.4	2843.2	2669.8	2558.5	2499.6	2473.4	2466.9	2466.9	2466.9
32.5°	3500.8	3366.6	3098.4	2826.8	2607.6	2476.7	2404.7	2378.6	2372.0	2358.9	2365.5
35°	3608.7	3455.0	3134.3	2800.6	2558.5	2381.8	2303.3	2267.3	2257.5	2244.4	2244.4
37.5°	3729.8	3543.3	3160.5	2787.5	2493.1	2283.7	2195.3	2149.5	2143.0	2129.9	2136.5
40°	3883.6	3664.4	3203.0	2761.4	2417.8	2195.3	2077.6	2002.3	2018.7	2025.2	2038.3
42.5°	4057.0	3818.1	3268.5	2735.2	2358.9	2103.7	1930.3	1855.1	1874.7	1868.2	1881.3
45°	4292.5	3998.1	3350.3	2725.4	2287.0	1992.5	1779.8	1694.8	1688.2	1678.4	1685.0
47.5°	4537.9	4214.0	3428.8	2705.7	2208.4	1855.1	1609.7	1501.7	1475.6	1462.5	1449.4
50°	4793.1	4430.0	3520.4	2692.7	2103.7	1701.3	1439.6	1315.2	1266.2	1249.8	1233.5
52.5°	5081.0	4662.2	3598.9	2659.9	1989.2	1541.0	1285.8	1145.1	1089.5	1056.8	1060.0
55°	5385.3	4874.9	3670.9	2620.7	1858.4	1390.5	1132.0	1014.2	958.6	948.8	948.8
57.5°	5666.7	5094.1	3723.3	2552.0	1727.5	1243.3	1004.4	903.0	876.8	889.9	889.9
60°	5954.6	5270.8	3749.4	2476.7	1593.3	1118.9	916.1	834.3	821.2	847.4	850.7
62.5°	6186.9	5411.5	3742.9	2372.0	1446.1	1011.0	831.0	765.6	772.1	817.9	827.8
65°	6353.7	5480.2	3661.1	2215.0	1305.4	916.1	755.8	693.6	693.6	726.3	736.1
67.5°	*6340.7*	*5391.8*	*3497.5*	*1995.8*	*1154.9*	*821.2*	*687.1*	*638.0*	*638.0*	*660.9*	*657.6*
70°	6072.4	5087.6	3186.7	1730.8	1007.7	739.4	628.2	592.2	588.9	598.7	595.5
72.5°	5427.8	4469.2	2702.5	1429.8	870.3	657.6	569.3	536.6	530.0	516.9	507.1
75°	4479.0	3670.9	2110.3	1138.6	736.1	579.1	513.7	484.2	458.0	474.4	464.6
77.5°	3474.6	2817.0	1570.4	883.4	598.7	503.8	458.0	425.3	418.8	477.7	458.0
80°	2535.6	1946.7	1109.1	631.4	464.6	409.0	382.8	356.6	451.5	605.3	602.0
82.5°	1125.5	939.0	507.1	301.0	215.9	179.9	150.5	170.1	284.6	278.1	287.9
85°	101.4	104.7	55.6	36.0	22.9	19.6	13.1	13.1	9.8	9.8	9.8
87.5°	13.1	13.1	9.8	9.8	6.5	6.5	6.5	6.5	3.3	3.3	3.3
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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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-40-722-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-40-722-U-5WQ-2

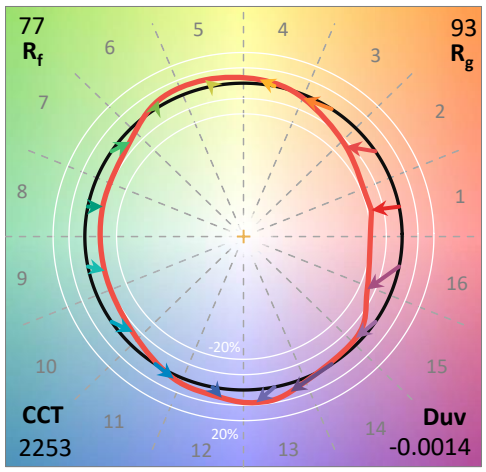
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

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-40-722-U-5WQ-2**
Description:	Epic Modern Light Square 40W 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

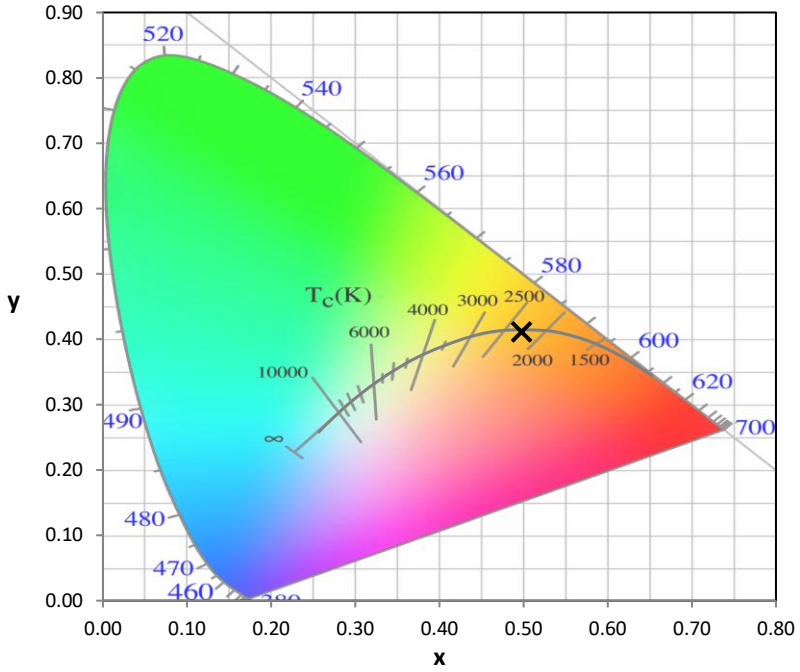
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	24.1

REPORT NUMBER: SP1-2407-157-2

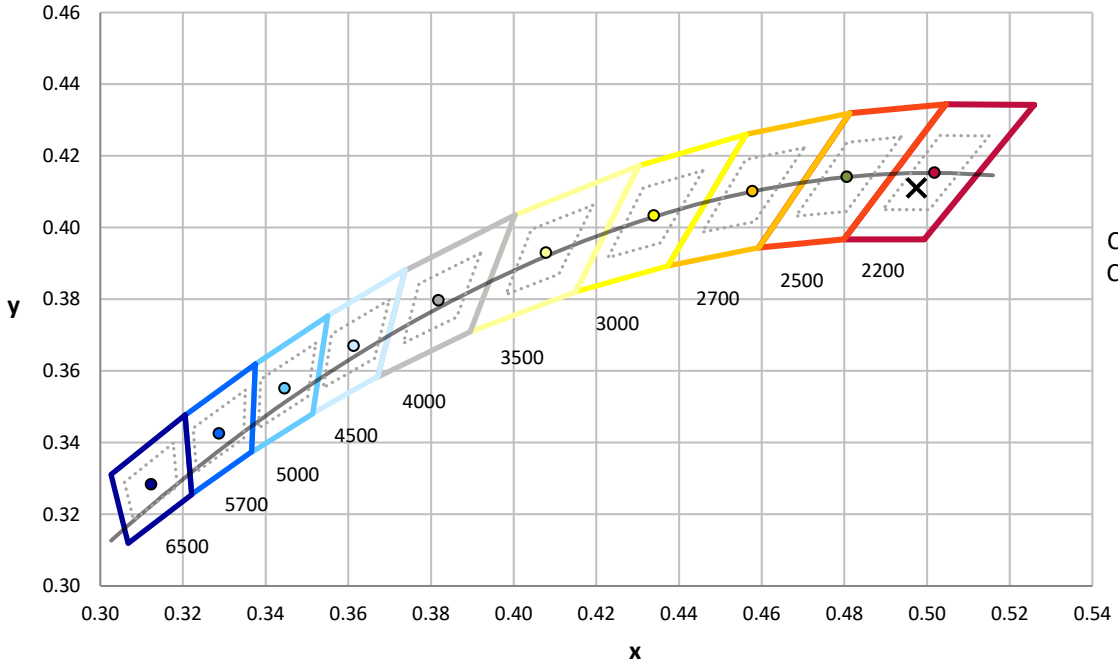
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

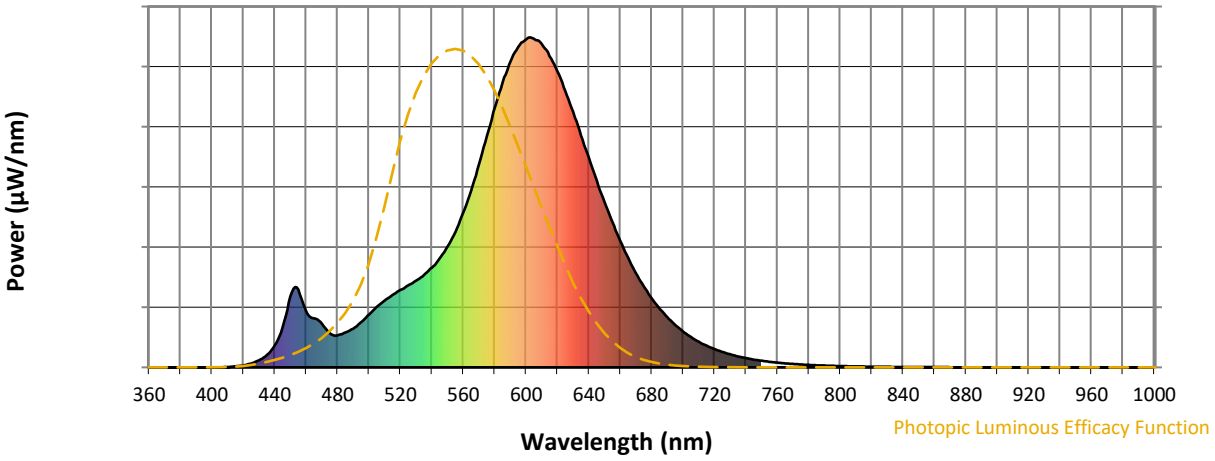


CCT = 2253K
CIE x = 0.4974
CIE y = 0.4110
Duv = -0.0014

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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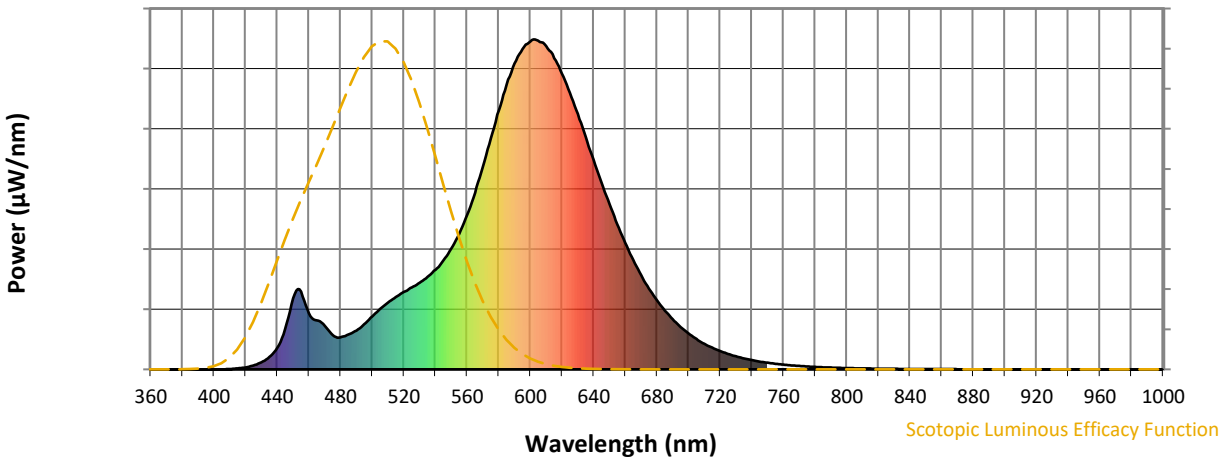
Scotopic Flux vs. Wavelength



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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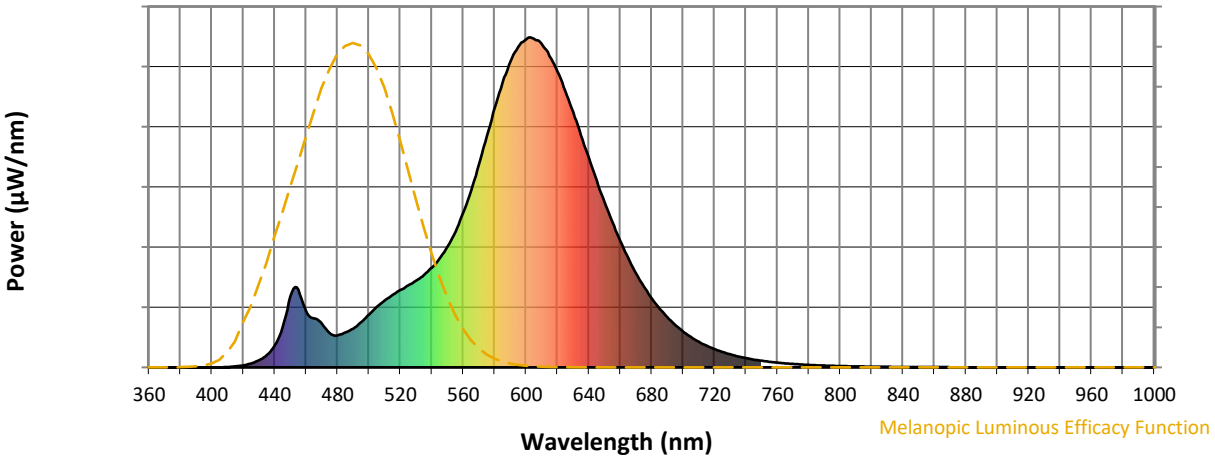
Melanopic Flux vs. Wavelength



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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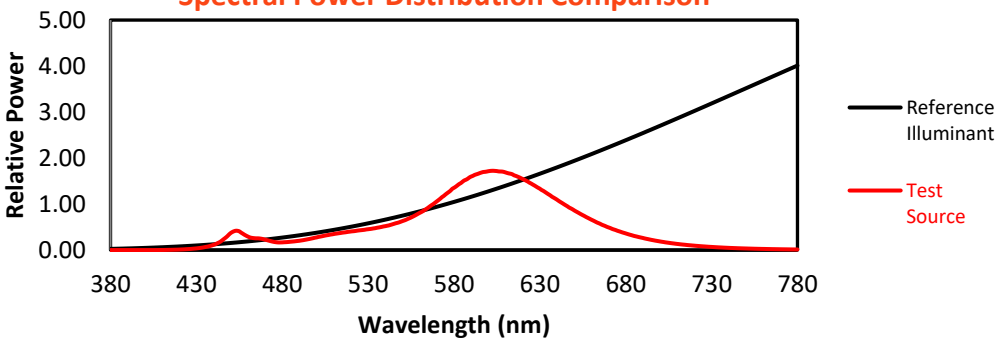
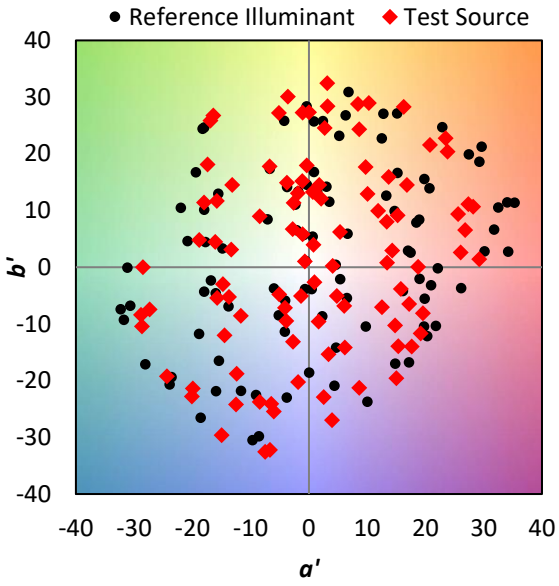
Summary

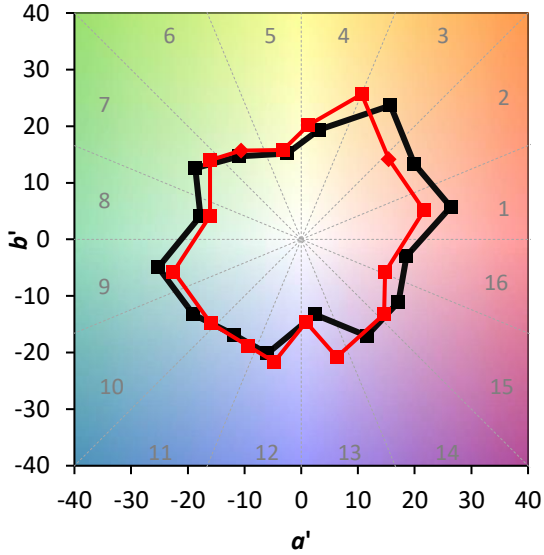
R_f = 76.9
R_g = 92.7
CIE R_a = 70.6
R_9 = -36.0

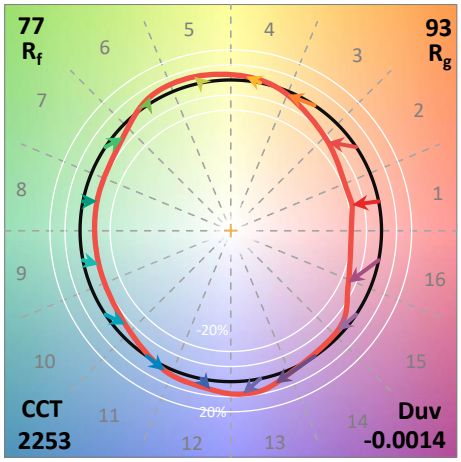
Spectral Power Distribution Comparison

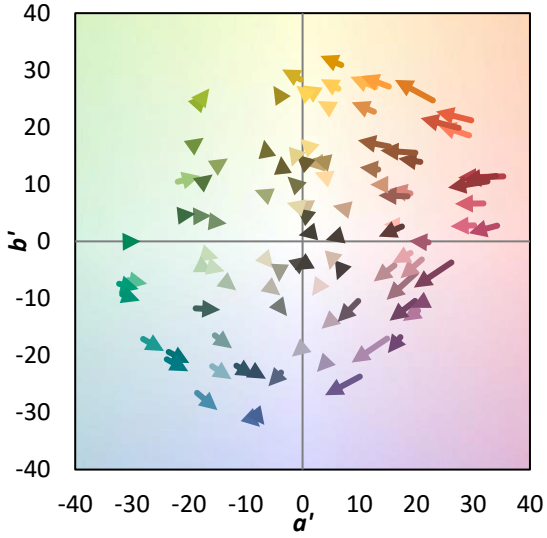


Color Vector Graphics









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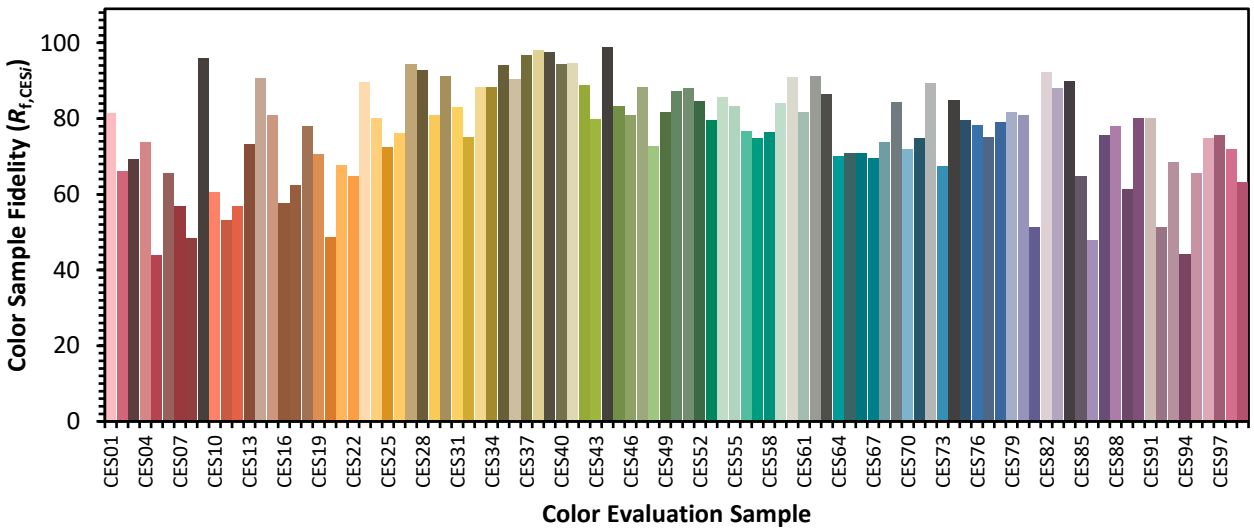
Individual Sample Fidelity Index ($R_{f,i}$)

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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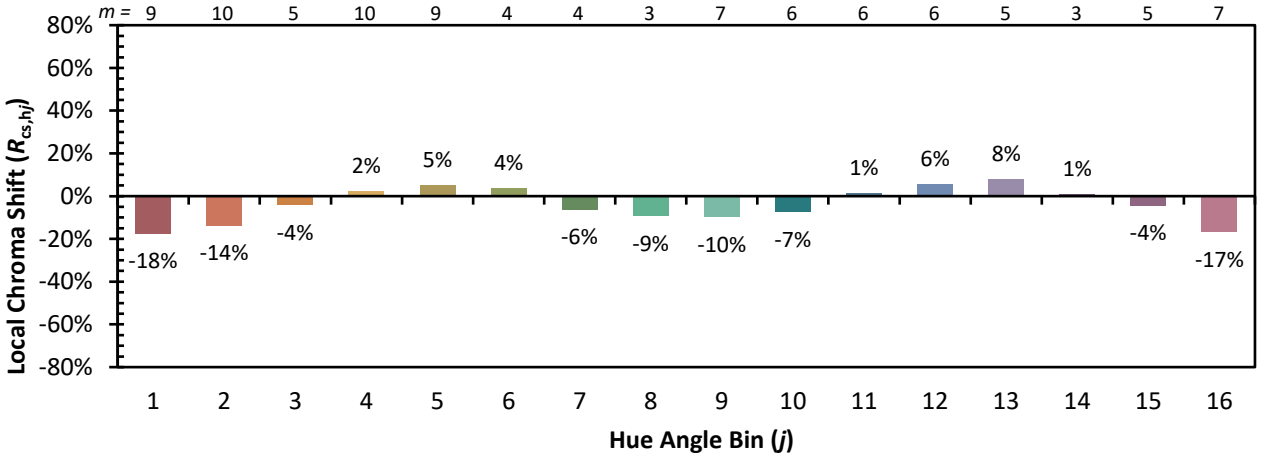
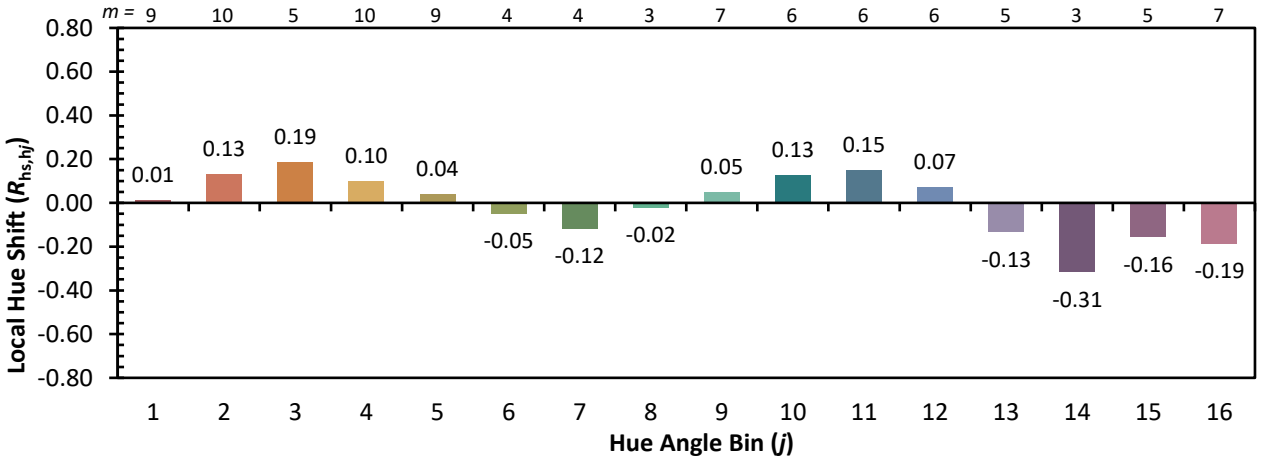
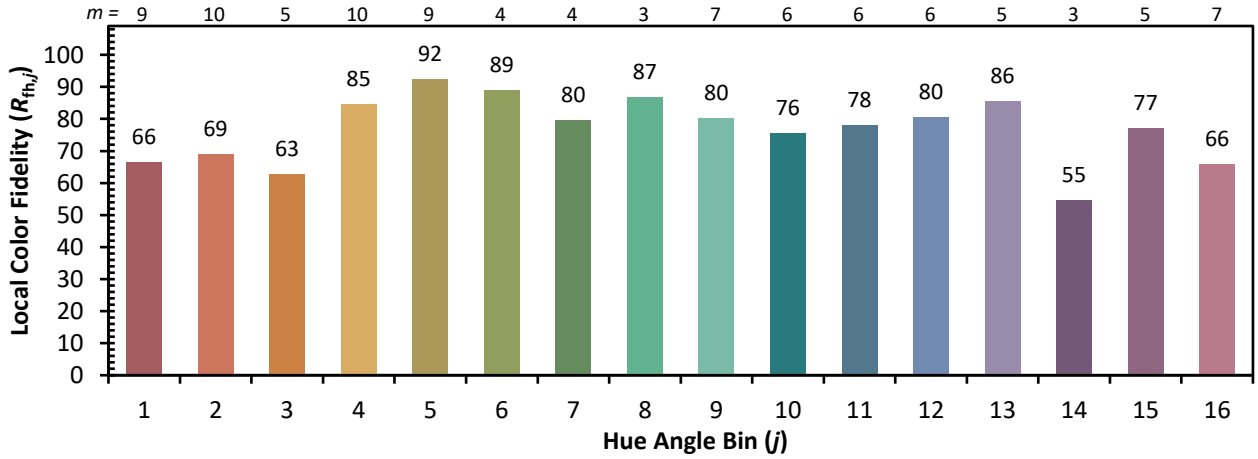
Color Rendition by Hue-Angle Bin







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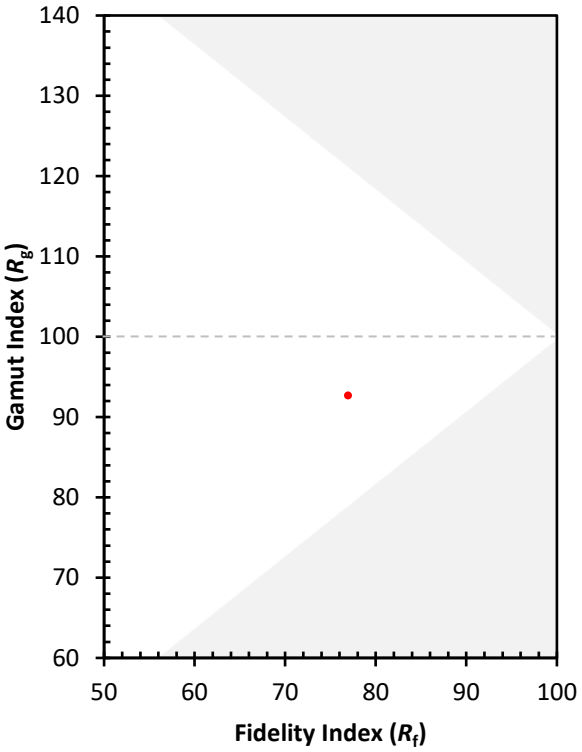
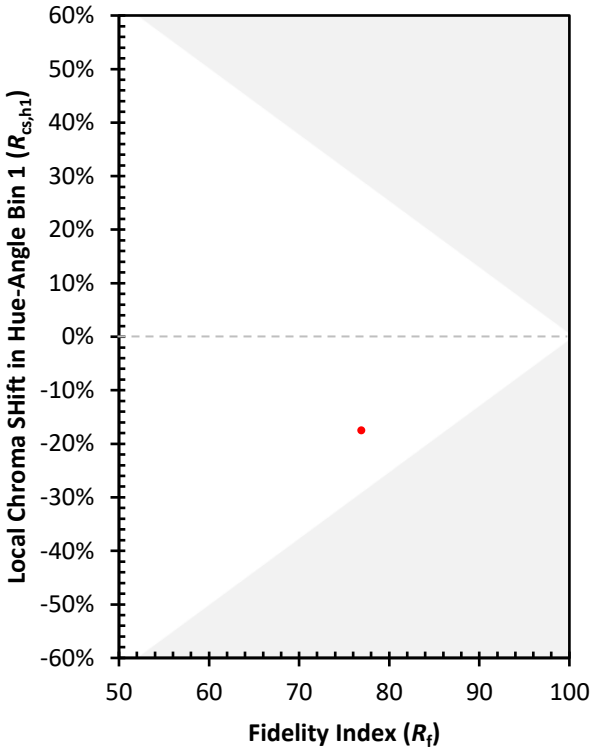
Measure Comparisons





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