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: P868476

Luminaire Tested: **EMM2-HTN-SA2B-750-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:	P868476
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HTN-SA2B-750-U-T2U
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 100W 70CRI 5000K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source:	(20) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12773 lumens
Efficiency:	N/A
Efficacy:	141.9 lumens/watt
Luminous Opening:	Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G3

Input Watts (W):	90
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.20%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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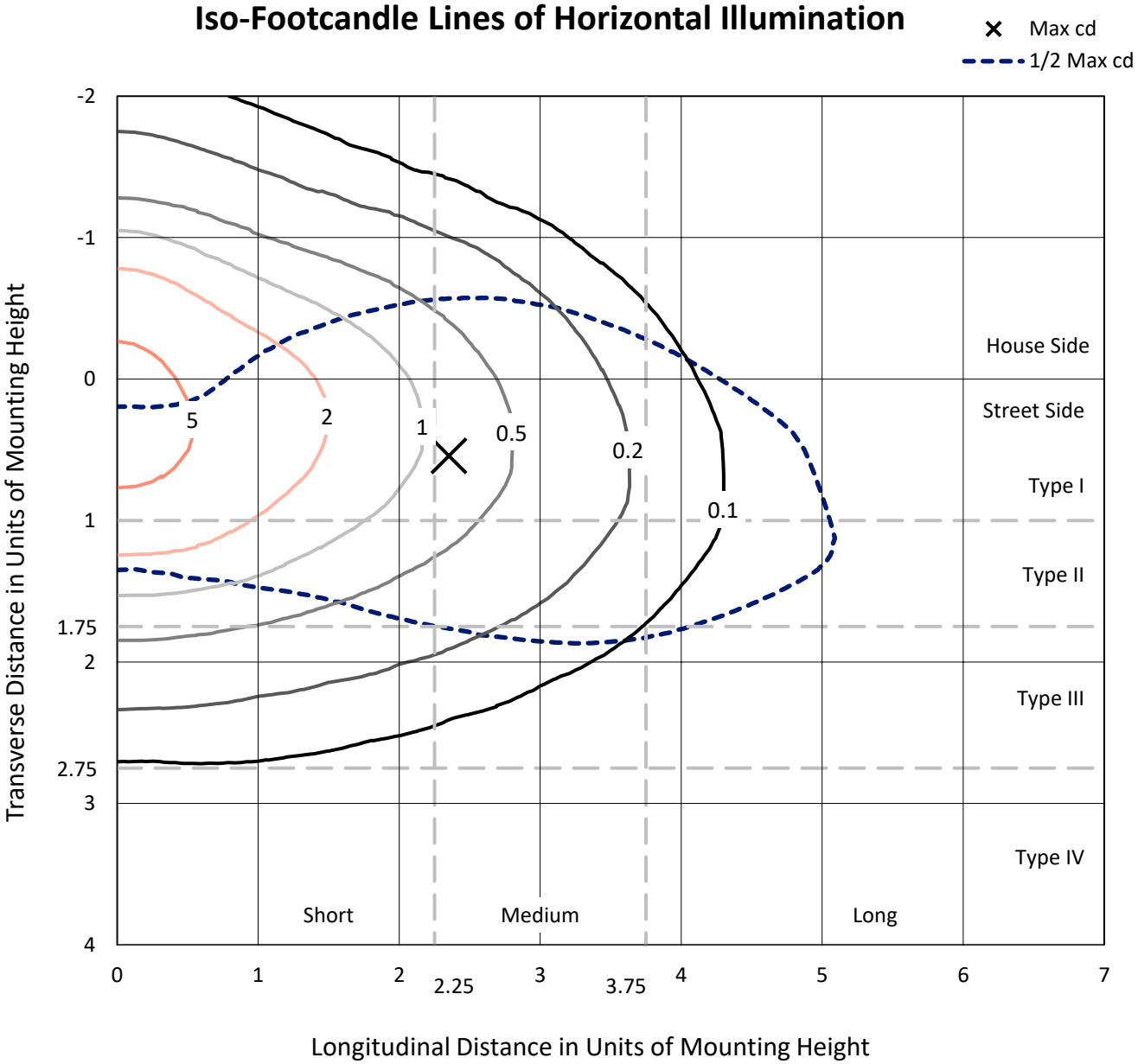
Scaled Data Report

REPORT NUMBER: P868476
CATALOG NUMBER: EMM2-HTN-SA2B-750-U-T2U

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 6.9 fc
Type III - Medium - N/A

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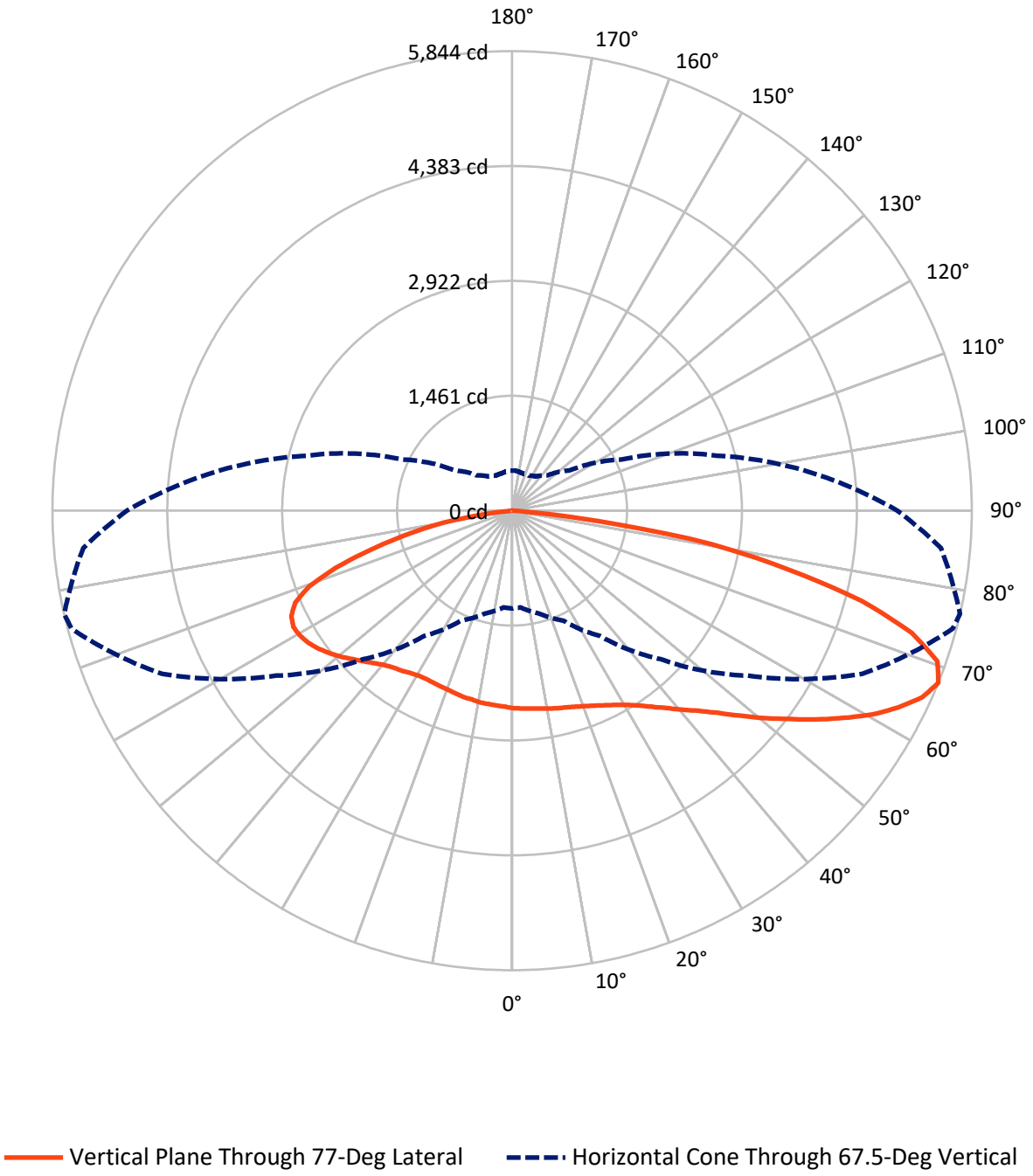
Luminous Intensity Polar Plot



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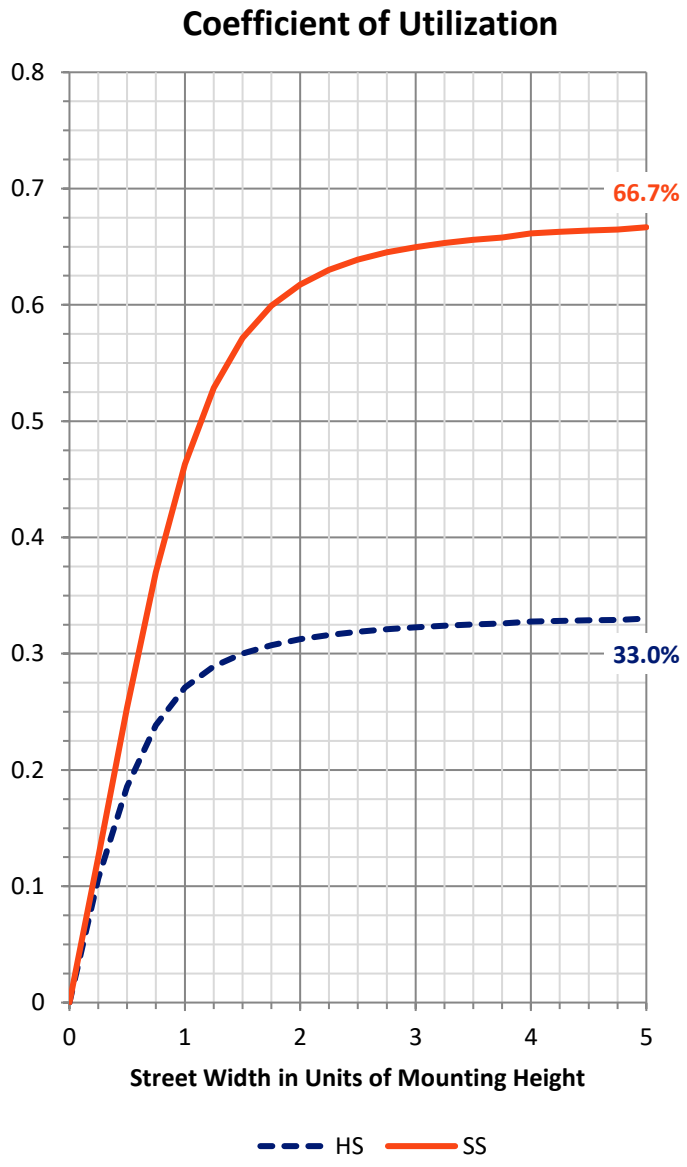
REPORT NUMBER: P868476
CATALOG NUMBER: EMM2-HTN-SA2B-750-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4247.5	0.0	4247.5
	% Fixture	33.3	0.0	33.3
Street Side	Lumens	8525.5	0.0	8525.5
	% Fixture	66.7	0.0	66.7
Total	Lumens	12773.0	0.0	12773.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.4	1.9
10°-20°	732.0	5.7
20°-30°	1234.2	9.7
30°-40°	1751.3	13.7
40°-50°	2215.8	17.3
50°-60°	2427.3	19.0
60°-70°	2346.4	18.4
70°-80°	1578.1	12.4
80°-90°	246.6	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°	12773.0	100.0
0°-180°	12773.0	100.0



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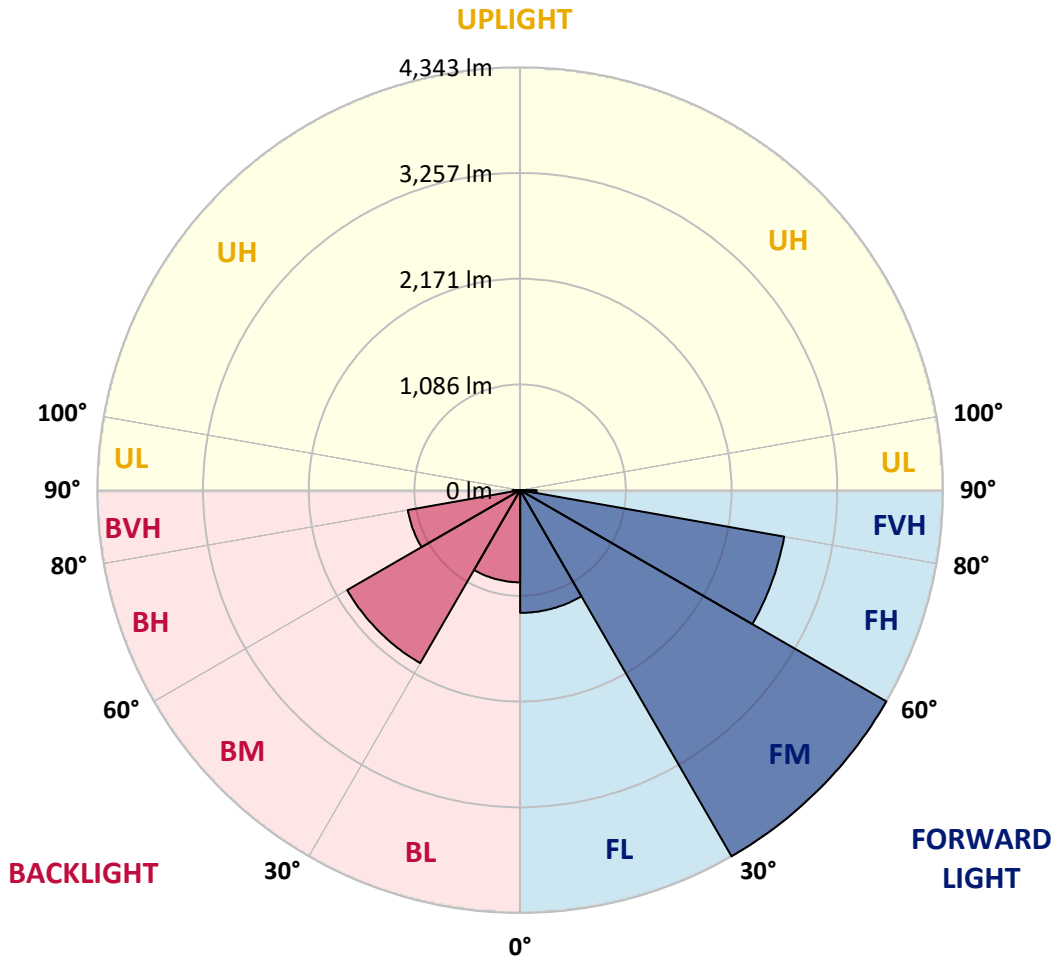
REPORT NUMBER: P868476
CATALOG NUMBER: EMM2-HTN-SA2B-750-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1260.7	9.9			
FM	(30°-60°)	4343.0	34.0			
FH	(60°-80°)	2753.0	21.6			G2/5000
FVH	(80°-90°)	168.9	1.3			G2/225
BL	(0°-30°)	946.8	7.4	B2/1000		
BM	(30°-60°)	2051.4	16.1	B2/2500		
BH	(60°-80°)	1171.5	9.2	B3/2500		G3/2500
BVH	(80°-90°)	77.7	0.6			G1/100
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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REPORT NUMBER: P868476
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2511.3	2511.3	2511.3	2511.3	2511.3	2511.3	2511.3	2511.3	2511.3	*2511.3*	2511.3
2.5°	2566.9	2564.4	2551.7	2556.8	2541.6	2551.7	2536.6	2523.9	2521.4	*2518.9*	2521.4
5°	2647.7	2635.1	2622.5	2614.9	2602.3	2597.2	2571.9	2546.7	2531.5	*2529.0*	2523.9
7.5°	2741.2	2736.2	2718.5	2708.4	2673.0	2655.3	2619.9	2574.5	2551.7	*2541.6*	2529.0
10°	2837.2	2849.9	2827.1	2806.9	2766.5	2728.6	2667.9	2609.8	2564.4	*2559.3*	2531.5
12.5°	2956.0	2953.4	2938.3	2902.9	2854.9	2801.8	2728.6	2647.7	2587.1	*2577.0*	2536.6
15°	3062.1	3059.5	3039.3	3006.5	2943.3	2877.6	2779.1	2685.6	2609.8	*2594.7*	2546.7
17.5°	3160.6	3155.6	3142.9	3107.6	3029.2	2948.4	2852.4	2728.6	2637.6	*2619.9*	2554.3
20°	3246.5	3251.6	3236.4	3201.0	3127.8	3041.9	2920.6	2784.2	2673.0	*2652.8*	2577.0
22.5°	3340.0	3342.5	3334.9	3322.3	3228.8	3137.9	3006.5	2847.3	2713.4	*2693.2*	2602.3
25°	3438.5	3441.0	3446.1	3438.5	3332.4	3233.9	3094.9	2925.6	2769.0	*2741.2*	2637.6
27.5°	3552.2	3554.7	3564.8	3549.7	3436.0	3332.4	3193.5	3009.0	2827.1	*2796.8*	2667.9
30°	3681.1	3691.2	3683.6	3678.5	3547.2	3446.1	3292.0	3094.9	2902.9	*2865.0*	2721.0
32.5°	3835.2	3832.6	3817.5	3802.3	3668.4	3562.3	3403.1	3206.1	2996.4	*2953.4*	2806.9
35°	3946.3	3946.3	3923.6	3916.0	3792.2	3681.1	3524.4	3329.9	3102.5	*3062.1*	2897.9
37.5°	4014.6	4024.7	4007.0	4012.0	3893.3	3789.7	3645.7	3456.2	3218.7	*3183.3*	3009.0
40°	4039.8	4065.1	4080.2	4100.5	3981.7	3893.3	3774.5	3592.6	3367.8	*3327.4*	3142.9
42.5°	4044.9	4082.8	4135.8	4178.8	4044.9	3971.6	3898.3	3731.6	3514.3	*3478.9*	3289.5
45°	4019.6	4001.9	4130.8	4135.8	4080.2	4034.8	4007.0	3898.3	3726.5	*3668.4*	3471.4
47.5°	3827.6	3807.4	3842.8	4004.4	4037.3	4062.6	4118.1	4092.9	3938.8	*3893.3*	3681.1
50°	3516.8	3506.7	3648.2	3822.5	3931.2	4060.0	4209.1	4279.8	4173.7	*4145.9*	3946.3
52.5°	3004.0	2976.2	3264.2	3602.7	3792.2	4034.8	4272.3	4471.8	4439.0	*4398.6*	4173.7
55°	2678.1	2678.1	2872.6	3294.5	3615.4	3943.8	4312.7	4674.0	4732.1	*4686.6*	4433.9
57.5°	2329.4	2357.2	2559.3	2849.9	3360.2	3777.1	4307.6	4843.2	5015.0	*4972.1*	4709.3
60°	2031.3	2054.0	2170.2	2463.3	3059.5	3557.3	4252.0	4982.2	5277.8	*5262.6*	4951.9
62.5°	1728.1	1755.9	1849.4	2124.8	2662.9	3304.6	4135.8	5058.0	5525.4	*5510.2*	5196.9
65°	1485.6	1488.1	1581.6	1811.5	2266.2	2998.9	3931.2	5042.8	5717.4	*5727.5*	5404.1
67.5°	*1243.0*	*1235.4*	*1356.7*	*1543.7*	*1942.9*	*2670.5*	*3658.3*	*4908.9*	*5798.2*	*5843.7*	*5472.3*
70°	914.6	924.7	1094.0	1301.1	1642.2	2291.5	3276.8	4648.7	5666.9	*5737.6*	5315.7
72.5°	687.2	707.4	871.6	1086.4	1371.9	1912.5	2860.0	4196.5	5300.5	*5310.6*	4838.2
75°	558.3	563.4	709.9	901.9	1124.3	1533.6	2296.6	3504.2	4481.9	*4598.2*	4110.6
77.5°	475.0	469.9	540.7	727.6	907.0	1225.3	1730.6	2665.4	3519.4	*3572.4*	3218.7
80°	404.2	401.7	427.0	588.7	709.9	874.2	1184.9	1857.0	2511.3	*2569.4*	2286.5
82.5°	212.2	227.4	222.3	363.8	401.7	459.8	568.5	843.8	1096.5	*1111.6*	1051.0
85°	10.1	10.1	10.1	15.2	25.3	40.4	78.3	78.3	85.9	*164.2*	187.0
87.5°	2.5	2.5	5.1	5.1	5.1	7.6	7.6	10.1	10.1	*10.1*	10.1
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: P868476
CATALOG NUMBER: EMM2-HTN-SA2B-750-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2511.3	2511.3	2511.3	2511.3	2511.3	2511.3	2511.3	2511.3	2511.3	2511.3	2511.3
2.5°	2516.4	2506.3	2491.1	2493.6	2491.1	2491.1	2478.5	2468.4	2465.8	2470.9	2481.0
5°	2518.9	2503.7	2481.0	2473.4	2465.8	2460.8	2440.6	2425.4	2417.8	2422.9	2425.4
7.5°	2518.9	2496.1	2470.9	2455.7	2435.5	2420.4	2397.6	2377.4	2367.3	2369.8	2374.9
10°	2513.8	2488.6	2468.4	2438.0	2405.2	2387.5	2352.1	2326.9	2314.2	2316.8	2304.1
12.5°	2513.8	2486.0	2445.6	2417.8	2372.4	2334.5	2306.7	2278.9	2268.8	2258.7	2253.6
15°	2516.4	2481.0	2440.6	2382.5	2329.4	2289.0	2253.6	2235.9	2220.8	2215.7	2218.2
17.5°	2516.4	2481.0	2420.4	2352.1	2291.5	2241.0	2210.7	2190.4	2185.4	2180.3	2180.3
20°	2529.0	2483.5	2402.7	2321.8	2246.0	2193.0	2165.2	2152.5	2152.5	2145.0	2145.0
22.5°	2549.2	2488.6	2392.6	2296.6	2208.1	2150.0	2119.7	2104.5	2112.1	2107.1	2104.5
25°	2571.9	2506.3	2379.9	2261.2	2157.6	2097.0	2066.6	2056.5	2054.0	2041.4	2059.1
27.5°	2589.6	2518.9	2372.4	2225.8	2112.1	2041.4	2003.5	1985.8	1973.2	1978.2	1973.2
30°	2637.6	2554.3	2374.9	2195.5	2061.6	1975.7	1930.2	1910.0	1905.0	1905.0	1905.0
32.5°	2703.3	2599.7	2392.6	2182.9	2013.6	1912.5	1857.0	1836.7	1831.7	1821.6	1826.6
35°	2786.7	2667.9	2420.4	2162.7	1975.7	1839.3	1778.6	1750.8	1743.3	1733.2	1733.2
37.5°	2880.2	2736.2	2440.6	2152.5	1925.2	1763.5	1695.3	1659.9	1654.8	1644.7	1649.8
40°	2998.9	2829.6	2473.4	2132.3	1867.1	1695.3	1604.3	1546.2	1558.8	1563.9	1574.0
42.5°	3132.8	2948.4	2523.9	2112.1	1821.6	1624.5	1490.6	1432.5	1447.7	1442.6	1452.7
45°	3314.7	3087.3	2587.1	2104.5	1766.0	1538.6	1374.4	1308.7	1303.7	1296.1	1301.1
47.5°	3504.2	3254.1	2647.7	2089.4	1705.4	1432.5	1243.0	1159.6	1139.4	1129.3	1119.2
50°	3701.3	3420.8	2718.5	2079.3	1624.5	1313.8	1111.6	1015.6	977.7	965.1	952.5
52.5°	3923.6	3600.2	2779.1	2054.0	1536.1	1190.0	992.9	884.3	841.3	816.0	818.6
55°	4158.6	3764.4	2834.7	2023.7	1435.0	1073.7	874.2	783.2	740.3	732.7	732.7
57.5°	4375.8	3933.7	2875.1	1970.6	1334.0	960.1	775.6	697.3	677.1	687.2	687.2
60°	4598.2	4070.1	2895.3	1912.5	1230.4	864.1	707.4	644.2	634.1	654.4	656.9
62.5°	4777.5	4178.8	2890.3	1831.7	1116.7	780.7	641.7	591.2	596.2	631.6	639.2
65°	4906.4	4231.8	2827.1	1710.4	1008.1	707.4	583.6	535.6	535.6	560.9	568.5
67.5°	*4896.3*	*4163.6*	*2700.8*	*1541.1*	*891.8*	*634.1*	*530.6*	*492.7*	*492.7*	*510.3*	*507.8*
70°	4689.1	3928.7	2460.8	1336.5	778.2	571.0	485.1	457.3	454.8	462.3	459.8
72.5°	4191.4	3451.2	2086.9	1104.1	672.0	507.8	439.6	414.3	409.3	399.2	391.6
75°	3458.7	2834.7	1629.6	879.2	568.5	447.2	396.7	373.9	353.7	366.3	358.8
77.5°	2683.1	2175.3	1212.7	682.1	462.3	389.1	353.7	328.4	323.4	368.9	353.7
80°	1958.0	1503.2	856.5	487.6	358.8	315.8	295.6	275.4	348.7	467.4	464.9
82.5°	869.1	725.1	391.6	232.4	166.7	139.0	116.2	131.4	219.8	214.7	222.3
85°	78.3	80.8	42.9	27.8	17.7	15.2	10.1	10.1	7.6	7.6	7.6
87.5°	10.1	10.1	7.6	7.6	5.1	5.1	5.1	5.1	2.5	2.5	2.5
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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2407-157-6

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-40-750-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-40-750-U-5WQ-2

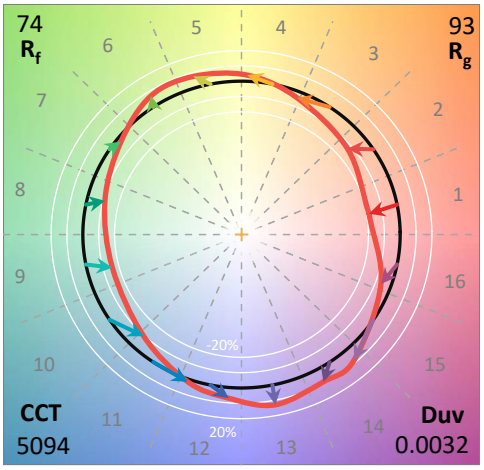
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-6
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-40-750-U-5WQ-2**
Description:	Epic Modern Light Square 40W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	5094	CRI (Ra):	72.0		
CIE u':	0.2082	R1:	68.6	R9:	-39.6
CIE v':	0.4867	R2:	78.1	R10:	47.6
Duv:	0.0032	R3:	84.6	R11:	68.2
CIE x:	0.3430	R4:	71.6	R12:	41.4
CIE y:	0.3564	R5:	69.6	R13:	70.4
CIE z:	0.3006	R6:	69.4	R14:	91.4
Peak Wavelength (nm):	451	R7:	80.9	R15:	61.4
Dominant Wavelength (nm):	568	R8:	53.1		
Purity:	9.86439				
Rf:	73.7				
Rg:	93				



Test Conditions

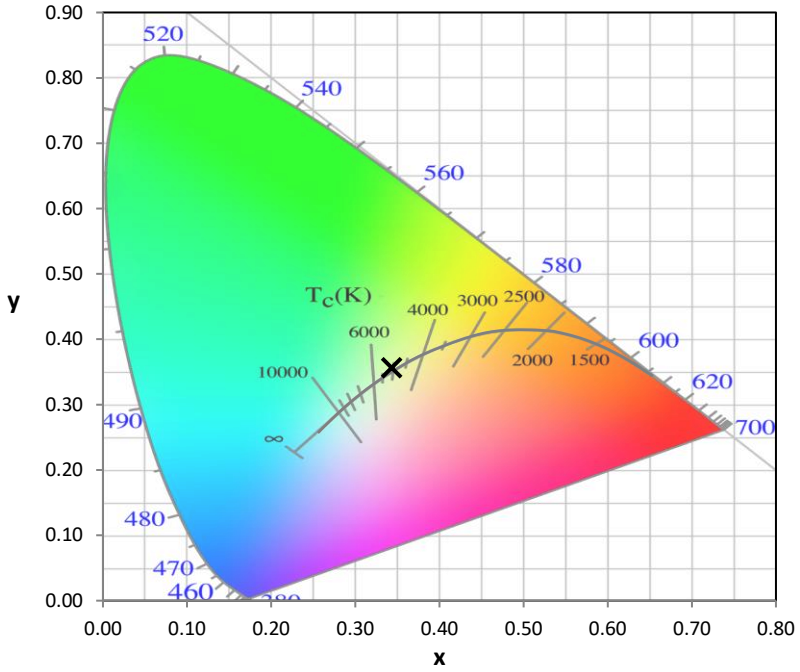
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-6

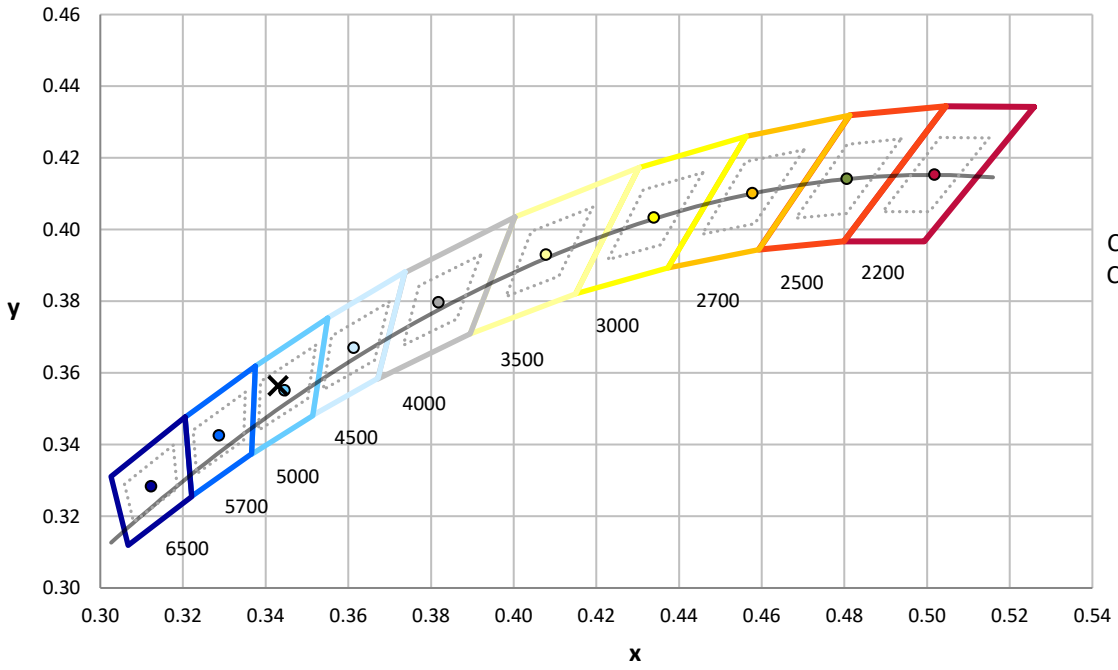
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-6

CIE 1931 Chromaticity Diagram



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

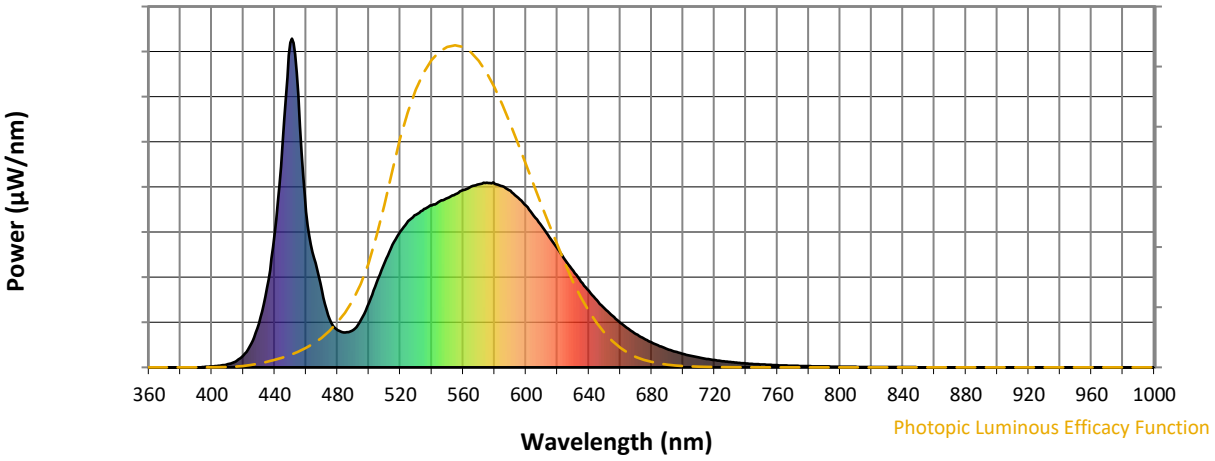


CCT = 5094K
CIE x = 0.3430
CIE y = 0.3564
Duv = 0.0032

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-6

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	114	NR	620	361	NR	750	9	NR	880	0	NR
365	0	NR	495	145	NR	625	326	NR	755	8	NR	885	0	NR
370	0	NR	500	197	NR	630	294	NR	760	7	NR	890	0	NR
375	0	NR	505	259	NR	635	261	NR	765	6	NR	895	0	NR
380	0	NR	510	319	NR	640	232	NR	770	5	NR	900	0	NR
385	0	NR	515	373	NR	645	204	NR	775	4	NR	905	0	NR
390	0	NR	520	414	NR	650	179	NR	780	4	NR	910	0	NR
395	1	NR	525	445	NR	655	157	NR	785	3	NR	915	0	NR
400	3	NR	530	465	NR	660	136	NR	790	3	NR	920	0	NR
405	5	NR	535	482	NR	665	118	NR	795	2	NR	925	0	NR
410	9	NR	540	493	NR	670	102	NR	800	2	NR	930	0	NR
415	18	NR	545	505	NR	675	87	NR	805	2	NR	935	0	NR
420	36	NR	550	515	NR	680	75	NR	810	2	NR	940	0	NR
425	72	NR	555	527	NR	685	65	NR	815	1	NR	945	0	NR
430	134	NR	560	540	NR	690	56	NR	820	1	NR	950	0	NR
435	242	NR	565	550	NR	695	48	NR	825	1	NR	955	0	NR
440	407	NR	570	557	NR	700	41	NR	830	1	NR	960	0	NR
445	684	NR	575	561	NR	705	35	NR	835	1	NR	965	0	NR
450	988	NR	580	559	NR	710	30	NR	840	1	NR	970	0	NR
455	828	NR	585	551	NR	715	26	NR	845	1	NR	975	0	NR
460	473	NR	590	537	NR	720	22	NR	850	1	NR	980	0	NR
465	333	NR	595	516	NR	725	19	NR	855	0	NR	985	0	NR
470	232	NR	600	491	NR	730	16	NR	860	0	NR	990	0	NR
475	146	NR	605	461	NR	735	14	NR	865	0	NR	995	0	NR
480	113	NR	610	429	NR	740	12	NR	870	0	NR	1000	0	NR
485	106	NR	615	395	NR	745	10	NR	875	0	NR			

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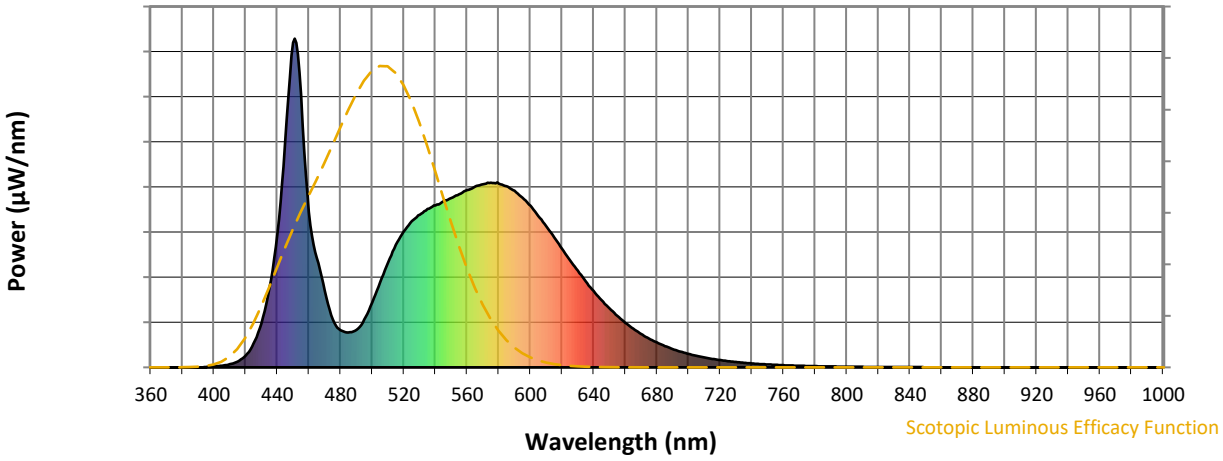
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.81**

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	114	NR	620	361	NR	750	9	NR	880	0	NR
365	0	NR	495	145	NR	625	326	NR	755	8	NR	885	0	NR
370	0	NR	500	197	NR	630	294	NR	760	7	NR	890	0	NR
375	0	NR	505	259	NR	635	261	NR	765	6	NR	895	0	NR
380	0	NR	510	319	NR	640	232	NR	770	5	NR	900	0	NR
385	0	NR	515	373	NR	645	204	NR	775	4	NR	905	0	NR
390	0	NR	520	414	NR	650	179	NR	780	4	NR	910	0	NR
395	1	NR	525	445	NR	655	157	NR	785	3	NR	915	0	NR
400	3	NR	530	465	NR	660	136	NR	790	3	NR	920	0	NR
405	5	NR	535	482	NR	665	118	NR	795	2	NR	925	0	NR
410	9	NR	540	493	NR	670	102	NR	800	2	NR	930	0	NR
415	18	NR	545	505	NR	675	87	NR	805	2	NR	935	0	NR
420	36	NR	550	515	NR	680	75	NR	810	2	NR	940	0	NR
425	72	NR	555	527	NR	685	65	NR	815	1	NR	945	0	NR
430	134	NR	560	540	NR	690	56	NR	820	1	NR	950	0	NR
435	242	NR	565	550	NR	695	48	NR	825	1	NR	955	0	NR
440	407	NR	570	557	NR	700	41	NR	830	1	NR	960	0	NR
445	684	NR	575	561	NR	705	35	NR	835	1	NR	965	0	NR
450	988	NR	580	559	NR	710	30	NR	840	1	NR	970	0	NR
455	828	NR	585	551	NR	715	26	NR	845	1	NR	975	0	NR
460	473	NR	590	537	NR	720	22	NR	850	1	NR	980	0	NR
465	333	NR	595	516	NR	725	19	NR	855	0	NR	985	0	NR
470	232	NR	600	491	NR	730	16	NR	860	0	NR	990	0	NR
475	146	NR	605	461	NR	735	14	NR	865	0	NR	995	0	NR
480	113	NR	610	429	NR	740	12	NR	870	0	NR	1000	0	NR
485	106	NR	615	395	NR	745	10	NR	875	0	NR			

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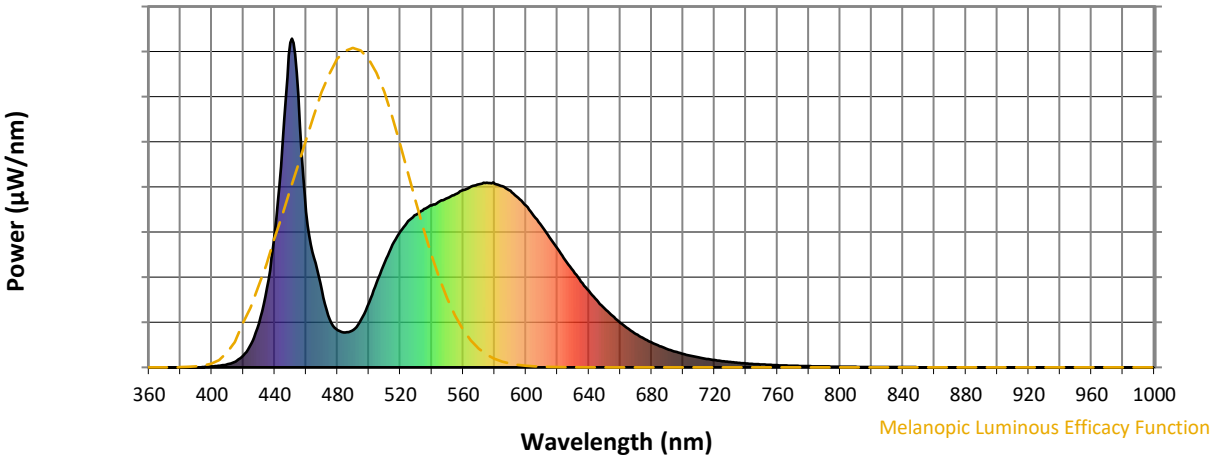
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.73**

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	114	NR	620	361	NR	750	9	NR	880	0	NR
365	0	NR	495	145	NR	625	326	NR	755	8	NR	885	0	NR
370	0	NR	500	197	NR	630	294	NR	760	7	NR	890	0	NR
375	0	NR	505	259	NR	635	261	NR	765	6	NR	895	0	NR
380	0	NR	510	319	NR	640	232	NR	770	5	NR	900	0	NR
385	0	NR	515	373	NR	645	204	NR	775	4	NR	905	0	NR
390	0	NR	520	414	NR	650	179	NR	780	4	NR	910	0	NR
395	1	NR	525	445	NR	655	157	NR	785	3	NR	915	0	NR
400	3	NR	530	465	NR	660	136	NR	790	3	NR	920	0	NR
405	5	NR	535	482	NR	665	118	NR	795	2	NR	925	0	NR
410	9	NR	540	493	NR	670	102	NR	800	2	NR	930	0	NR
415	18	NR	545	505	NR	675	87	NR	805	2	NR	935	0	NR
420	36	NR	550	515	NR	680	75	NR	810	2	NR	940	0	NR
425	72	NR	555	527	NR	685	65	NR	815	1	NR	945	0	NR
430	134	NR	560	540	NR	690	56	NR	820	1	NR	950	0	NR
435	242	NR	565	550	NR	695	48	NR	825	1	NR	955	0	NR
440	407	NR	570	557	NR	700	41	NR	830	1	NR	960	0	NR
445	684	NR	575	561	NR	705	35	NR	835	1	NR	965	0	NR
450	988	NR	580	559	NR	710	30	NR	840	1	NR	970	0	NR
455	828	NR	585	551	NR	715	26	NR	845	1	NR	975	0	NR
460	473	NR	590	537	NR	720	22	NR	850	1	NR	980	0	NR
465	333	NR	595	516	NR	725	19	NR	855	0	NR	985	0	NR
470	232	NR	600	491	NR	730	16	NR	860	0	NR	990	0	NR
475	146	NR	605	461	NR	735	14	NR	865	0	NR	995	0	NR
480	113	NR	610	429	NR	740	12	NR	870	0	NR	1000	0	NR
485	106	NR	615	395	NR	745	10	NR	875	0	NR			

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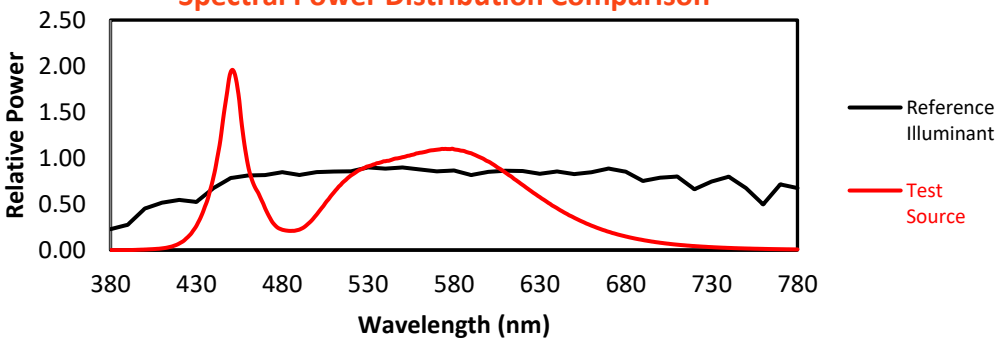
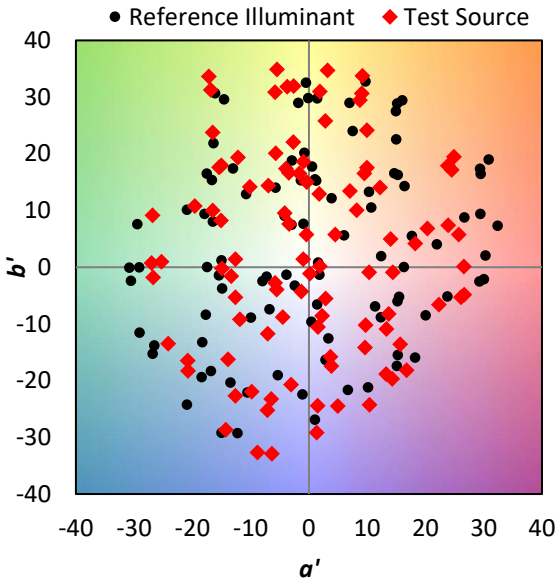
Summary

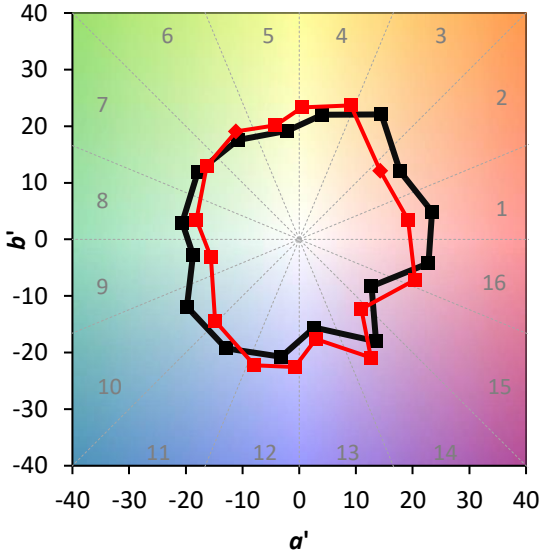
R_f = 73.7
R_g = 93
CIE R_a = 72.0
R_9 = -39.6

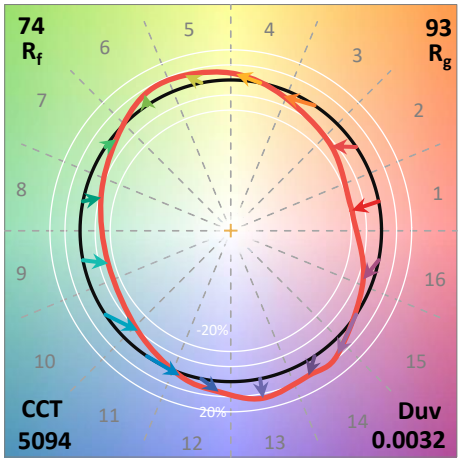
Spectral Power Distribution Comparison

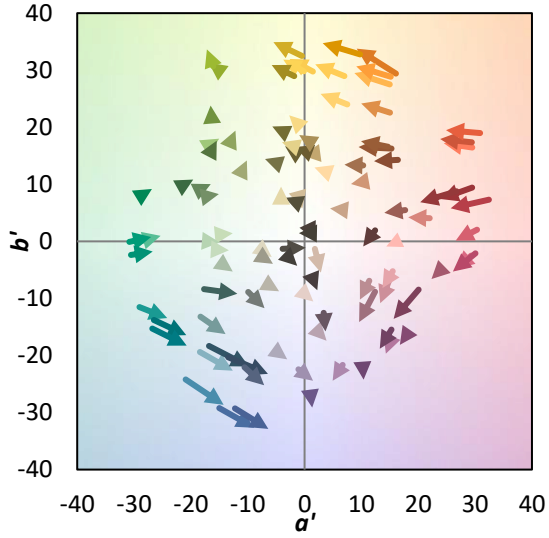


Color Vector Graphics









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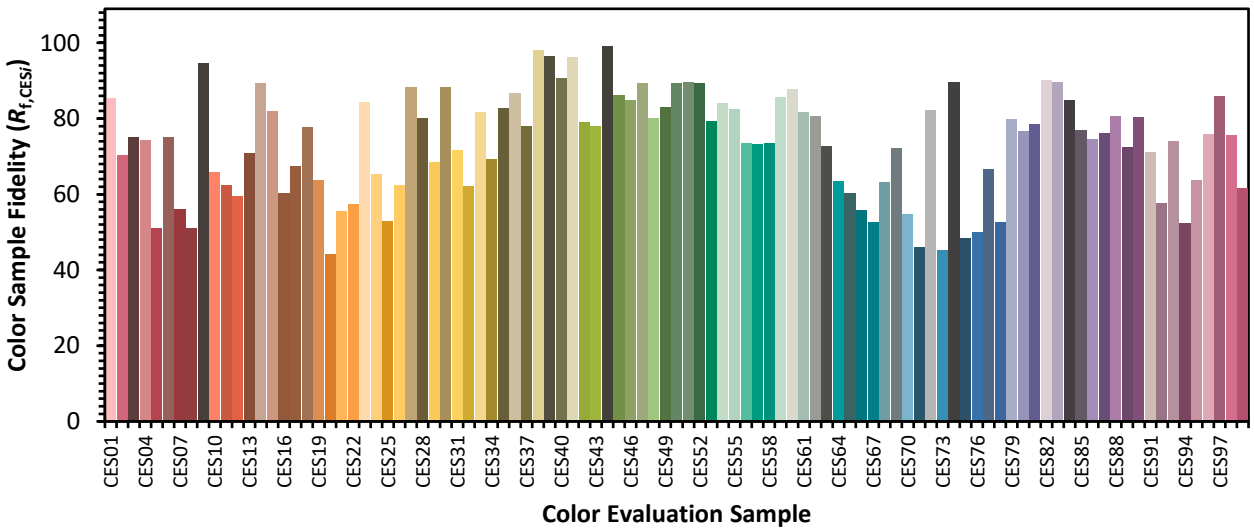
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 62	CES51 = 90	CES76 = 50
CES02 = 59	CES27 = 88	CES52 = 89	CES77 = 67
CES03 = 30	CES28 = 80	CES53 = 79	CES78 = 53
CES04 = 69	CES29 = 69	CES54 = 84	CES79 = 80
CES05 = 46	CES30 = 88	CES55 = 83	CES80 = 77
CES06 = 50	CES31 = 72	CES56 = 74	CES81 = 78
CES07 = 38	CES32 = 62	CES57 = 73	CES82 = 90
CES08 = 38	CES33 = 82	CES58 = 73	CES83 = 90
CES09 = 29	CES34 = 69	CES59 = 86	CES84 = 85
CES10 = 72	CES35 = 83	CES60 = 88	CES85 = 77
CES11 = 56	CES36 = 87	CES61 = 82	CES86 = 75
CES12 = 61	CES37 = 78	CES62 = 81	CES87 = 76
CES13 = 41	CES38 = 98	CES63 = 73	CES88 = 81
CES14 = 74	CES39 = 96	CES64 = 63	CES89 = 72
CES15 = 70	CES40 = 91	CES65 = 60	CES90 = 80
CES16 = 46	CES41 = 96	CES66 = 56	CES91 = 71
CES17 = 49	CES42 = 79	CES67 = 53	CES92 = 58
CES18 = 55	CES43 = 78	CES68 = 63	CES93 = 74
CES19 = 71	CES44 = 99	CES69 = 72	CES94 = 52
CES20 = 63	CES45 = 86	CES70 = 55	CES95 = 64
CES21 = 85	CES46 = 85	CES71 = 46	CES96 = 76
CES22 = 77	CES47 = 89	CES72 = 82	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 45	CES98 = 76
CES24 = 90	CES49 = 83	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 48	



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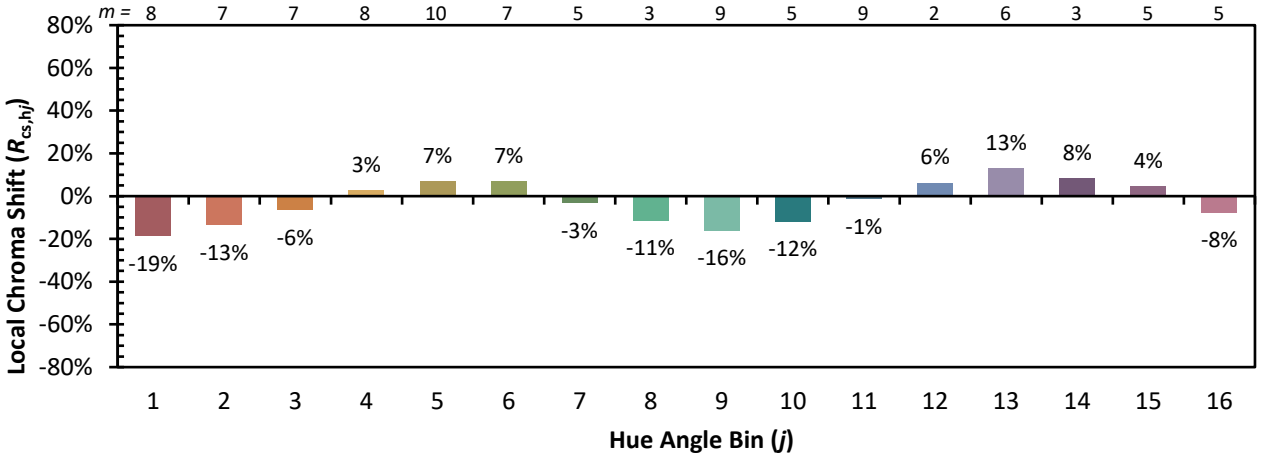
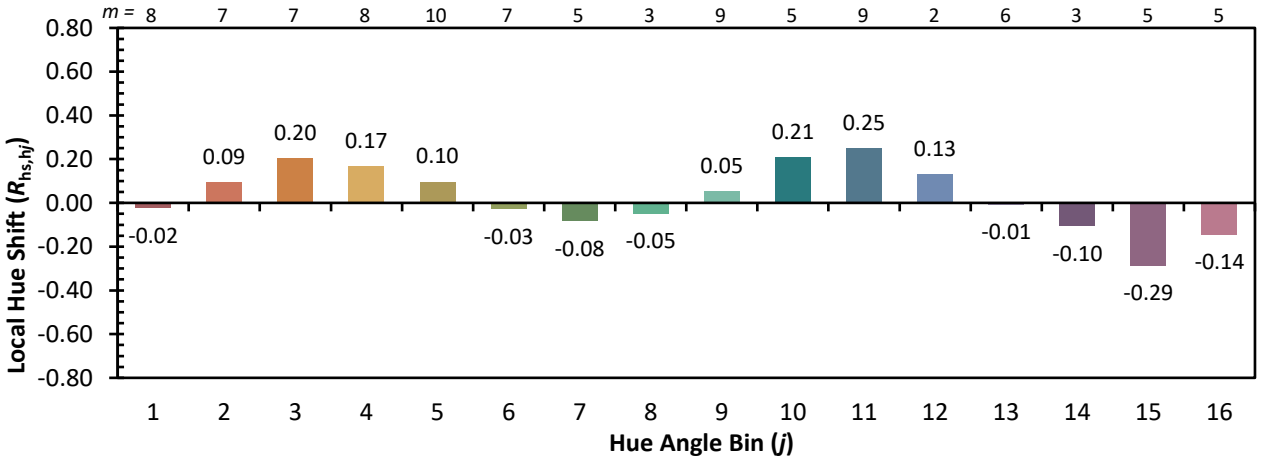
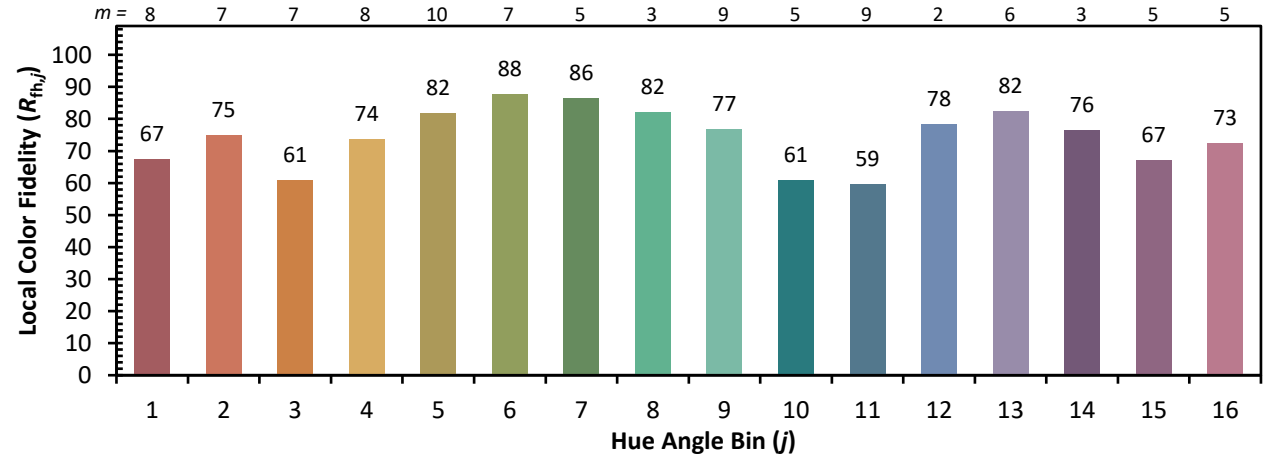
Color Rendition by Hue-Angle Bin







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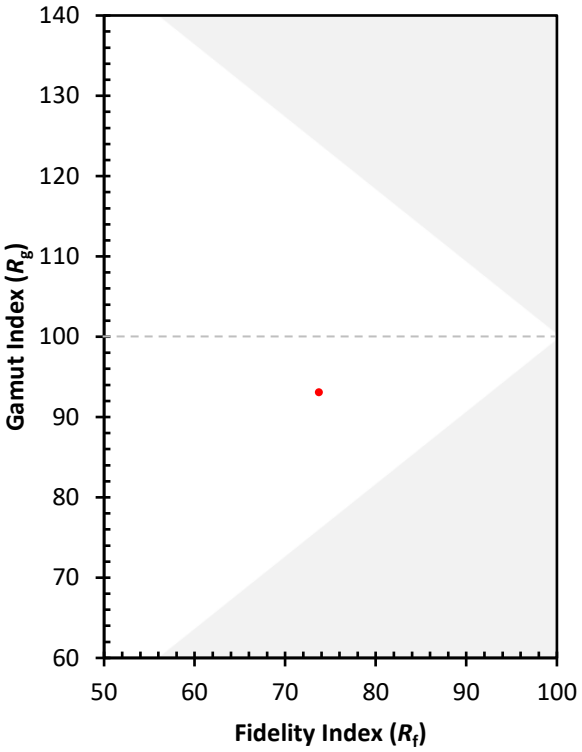
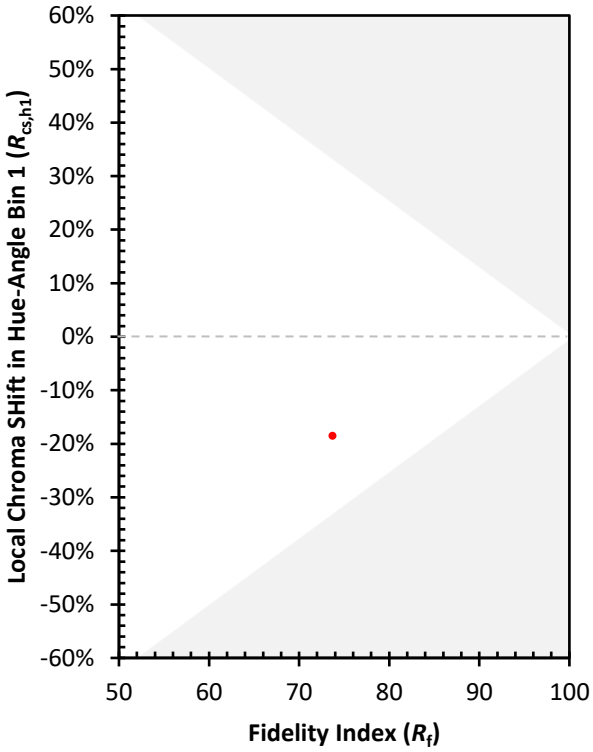
Measure Comparisons





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