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: P868883

Luminaire Tested: **EMM2-HSN-SA2C-730-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:	P868883
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HSN-SA2C-730-U-T2U
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 120W 70CRI 3000K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source:	(20) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13075.8 lumens
Efficiency:	N/A
Efficacy:	129.5 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):	101
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.45%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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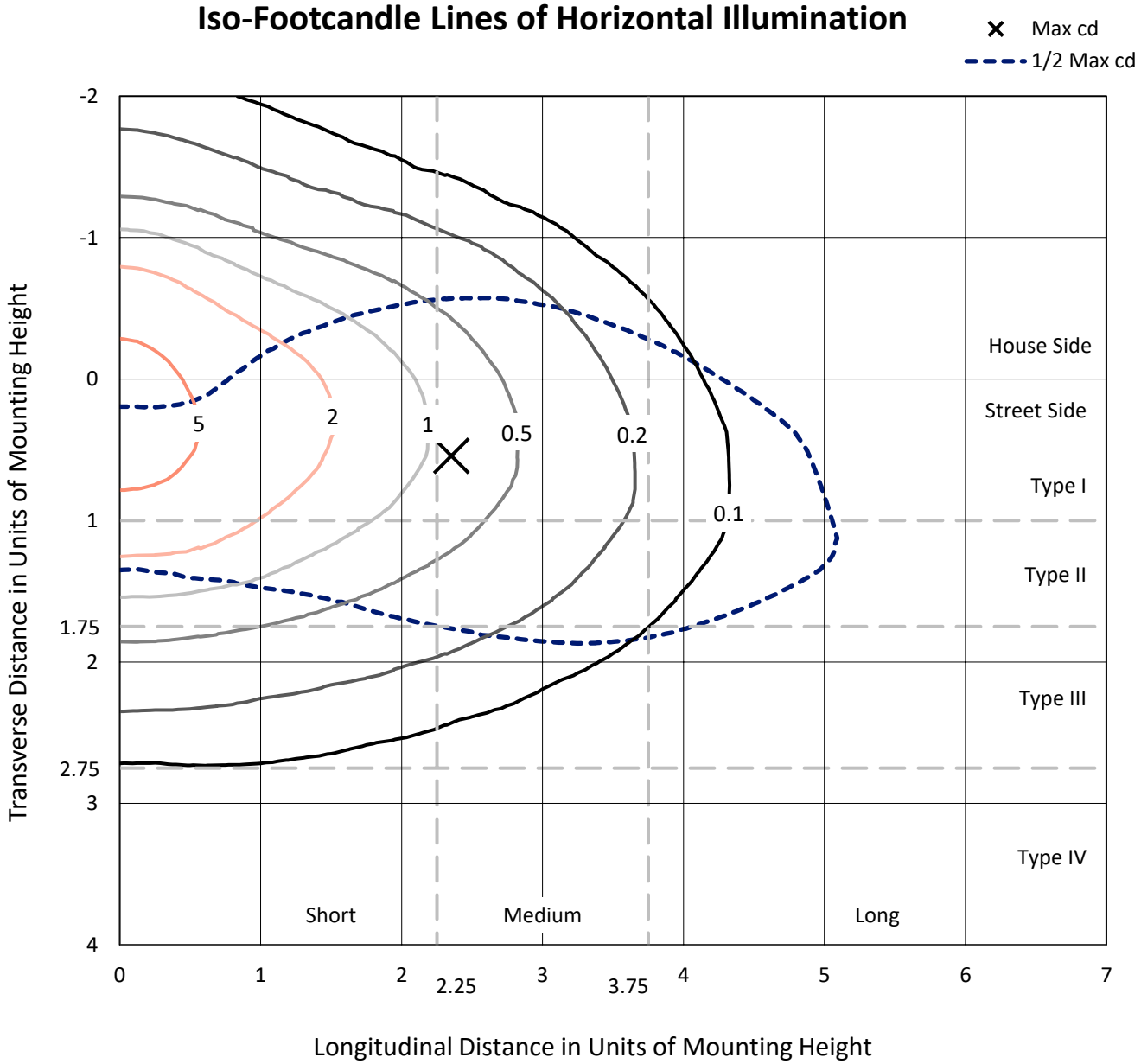
REPORT NUMBER: P868883
CATALOG NUMBER: EMM2-HSN-SA2C-730-U-T2U

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 7.1 fc
Type III - Medium - N/A

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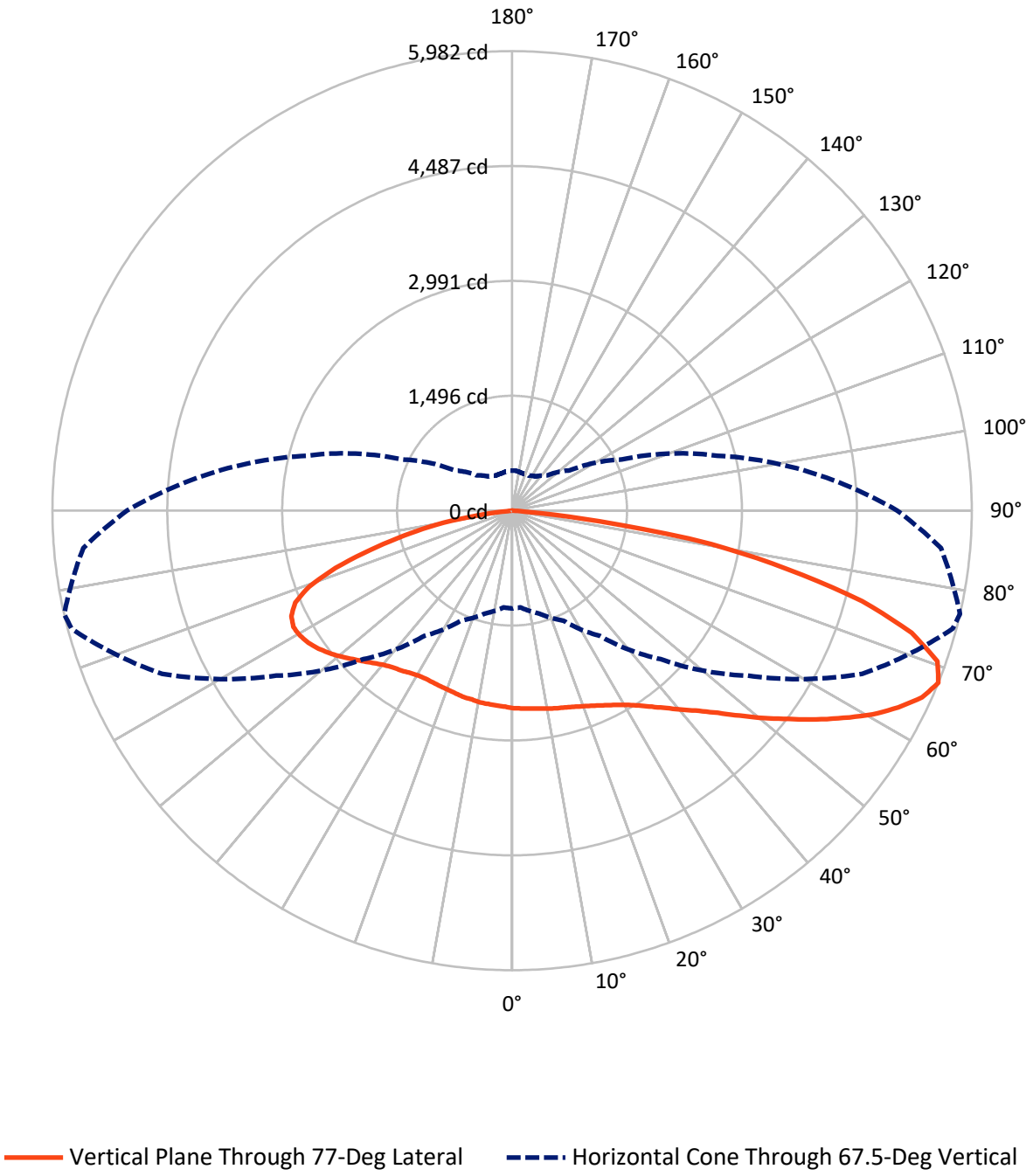
Luminous Intensity Polar Plot



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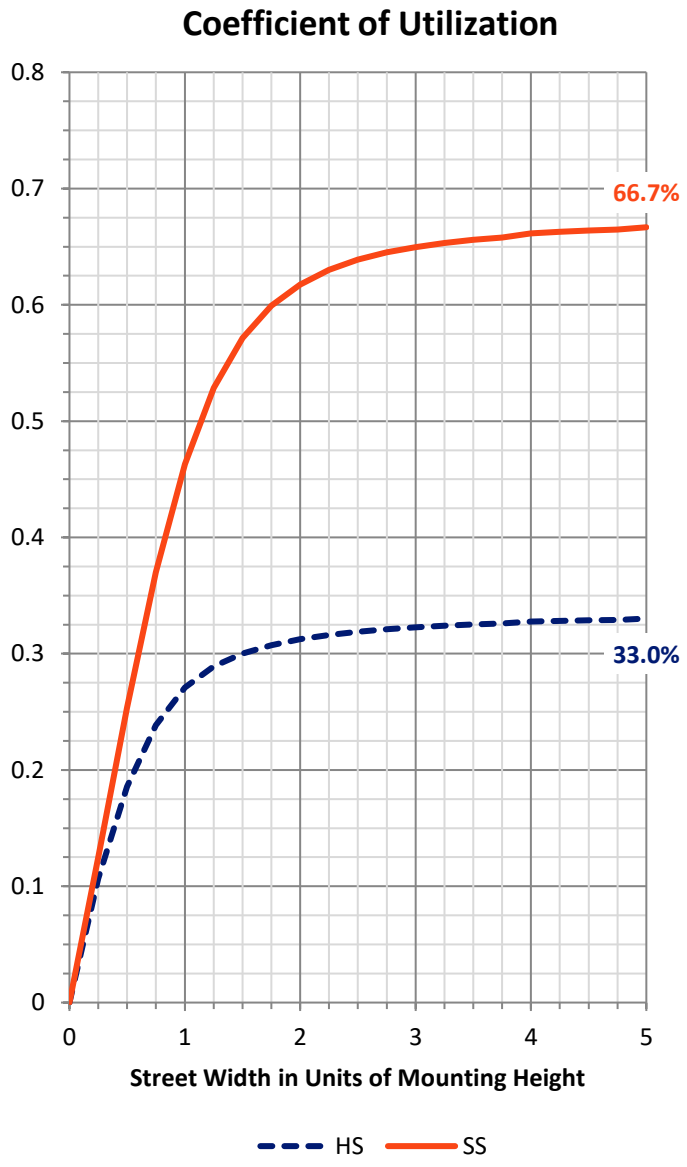
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4348.2	0.0	4348.2
	% Fixture	33.3	0.0	33.3
Street Side	Lumens	8727.7	0.0	8727.7
	% Fixture	66.7	0.0	66.7
Total	Lumens	13075.8	0.0	13075.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.1	1.9
10°-20°	749.4	5.7
20°-30°	1263.4	9.7
30°-40°	1792.8	13.7
40°-50°	2268.3	17.3
50°-60°	2484.8	19.0
60°-70°	2402.0	18.4
70°-80°	1615.5	12.4
80°-90°	252.5	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°	13075.8	100.0
0°-180°	13075.8	100.0



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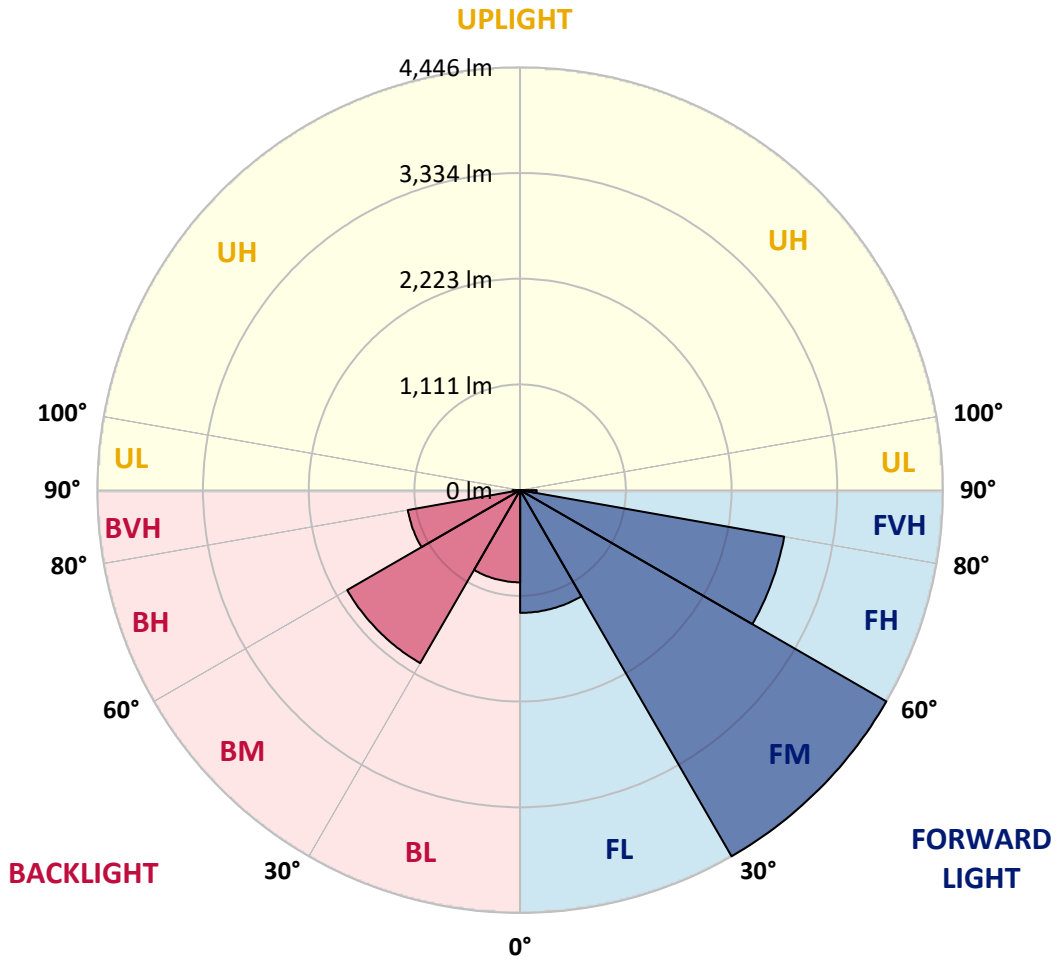
REPORT NUMBER: P868883
CATALOG NUMBER: EMM2-HSN-SA2C-730-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1290.6	9.9			
FM	(30°-60°)	4445.9	34.0			
FH	(60°-80°)	2818.3	21.6			G2/5000
FVH	(80°-90°)	172.9	1.3			G2/225
BL	(0°-30°)	969.3	7.4	B2/1000		
BM	(30°-60°)	2100.0	16.1	B2/2500		
BH	(60°-80°)	1199.2	9.2	B3/2500		G3/2500
BVH	(80°-90°)	79.6	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: P868883
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2570.8	2570.8	2570.8	2570.8	2570.8	2570.8	2570.8	2570.8	2570.8	*2570.8*	2570.8
2.5°	2627.7	2625.2	2612.2	2617.4	2601.9	2612.2	2596.7	2583.8	2581.2	*2578.6*	2581.2
5°	2710.5	2697.6	2684.6	2676.9	2664.0	2658.8	2632.9	2607.1	2591.5	*2588.9*	2583.8
7.5°	2806.2	2801.0	2782.9	2772.6	2736.4	2718.3	2682.1	2635.5	2612.2	*2601.9*	2588.9
10°	2904.5	2917.4	2894.1	2873.4	2832.1	2793.3	2731.2	2671.7	2625.2	*2620.0*	2591.5
12.5°	3026.0	3023.5	3007.9	2971.7	2922.6	2868.3	2793.3	2710.5	2648.4	*2638.1*	2596.7
15°	3134.7	3132.1	3111.4	3077.8	3013.1	2945.9	2845.0	2749.3	2671.7	*2656.2*	2607.1
17.5°	3235.5	3230.4	3217.4	3181.2	3101.0	3018.3	2920.0	2793.3	2700.2	*2682.1*	2614.8
20°	3323.5	3328.6	3313.1	3276.9	3201.9	3114.0	2989.8	2850.2	2736.4	*2715.7*	2638.1
22.5°	3419.2	3421.8	3414.0	3401.1	3305.4	3212.3	3077.8	2914.8	2777.8	*2757.1*	2664.0
25°	3520.0	3522.6	3527.8	3520.0	3411.4	3310.5	3168.3	2995.0	2834.7	*2806.2*	2700.2
27.5°	3636.4	3639.0	3649.4	3633.8	3517.4	3411.4	3269.2	3080.4	2894.1	*2863.1*	2731.2
30°	3768.3	3778.7	3770.9	3765.7	3631.2	3527.8	3370.0	3168.3	2971.7	*2932.9*	2785.5
32.5°	3926.1	3923.5	3908.0	3892.5	3755.4	3646.8	3483.8	3282.1	3067.4	*3023.5*	2873.4
35°	4039.9	4039.9	4016.6	4008.9	3882.1	3768.3	3608.0	3408.8	3176.0	*3134.7*	2966.6
37.5°	4109.7	4120.1	4102.0	4107.1	3985.6	3879.5	3732.1	3538.1	3295.0	*3258.8*	3080.4
40°	4135.6	4161.5	4177.0	4197.7	4076.1	3985.6	3864.0	3677.8	3447.6	*3406.2*	3217.4
42.5°	4140.8	4179.6	4233.9	4277.8	4140.8	4065.8	3990.8	3820.1	3597.6	*3561.4*	3367.4
45°	4114.9	4096.8	4228.7	4233.9	4177.0	4130.4	4102.0	3990.8	3814.9	*3755.4*	3553.7
47.5°	3918.3	3897.6	3933.9	4099.4	4133.0	4158.9	4215.8	4189.9	4032.1	*3985.6*	3768.3
50°	3600.2	3589.9	3734.7	3913.2	4024.4	4156.3	4308.9	4381.3	4272.7	*4244.2*	4039.9
52.5°	3075.2	3046.7	3341.6	3688.1	3882.1	4130.4	4373.5	4577.9	4544.2	*4502.9*	4272.7
55°	2741.5	2741.5	2940.7	3372.6	3701.1	4037.3	4414.9	4784.8	4844.3	*4797.7*	4539.1
57.5°	2384.6	2413.1	2620.0	2917.4	3439.9	3866.6	4409.7	4958.1	5133.9	*5090.0*	4821.0
60°	2079.4	2102.7	2221.7	2521.7	3132.1	3641.6	4352.8	5100.3	5402.9	*5387.4*	5069.3
62.5°	1769.1	1797.5	1893.2	2175.1	2726.0	3383.0	4233.9	5177.9	5656.4	*5640.9*	5320.1
65°	1520.8	1523.4	1619.1	1854.4	2320.0	3070.0	4024.4	5162.4	5852.9	*5863.3*	5532.2
67.5°	*1272.5*	*1264.7*	*1388.9*	*1580.3*	*1988.9*	*2733.8*	*3745.0*	*5025.3*	*5935.7*	*5982.3*	*5602.1*
70°	936.3	946.6	1119.9	1332.0	1681.1	2345.8	3354.5	4758.9	5801.2	*5873.6*	5441.7
72.5°	703.5	724.2	892.3	1112.1	1404.4	1957.9	2927.8	4295.9	5426.2	*5436.5*	4952.9
75°	571.6	576.8	726.8	923.3	1150.9	1569.9	2351.0	3587.3	4588.2	*4707.2*	4208.0
77.5°	486.2	481.1	553.5	744.9	928.5	1254.4	1771.7	2728.6	3602.8	*3657.1*	3295.0
80°	413.8	411.2	437.1	602.6	726.8	894.9	1213.0	1901.0	2570.8	*2630.3*	2340.7
82.5°	217.3	232.8	227.6	372.4	411.2	470.7	581.9	863.8	1122.5	*1138.0*	1075.9
85°	10.3	10.3	10.3	15.5	25.9	41.4	80.2	80.2	87.9	*168.1*	191.4
87.5°	2.6	2.6	5.2	5.2	5.2	7.8	7.8	10.3	10.3	*10.3*	10.3
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: P868883
CATALOG NUMBER: EMM2-HSN-SA2C-730-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2570.8	2570.8	2570.8	2570.8	2570.8	2570.8	2570.8	2570.8	2570.8	2570.8	2570.8
2.5°	2576.0	2565.7	2550.2	2552.7	2550.2	2550.2	2537.2	2526.9	2524.3	2529.5	2539.8
5°	2578.6	2563.1	2539.8	2532.0	2524.3	2519.1	2498.4	2482.9	2475.1	2480.3	2482.9
7.5°	2578.6	2555.3	2529.5	2513.9	2493.3	2477.7	2454.5	2433.8	2423.4	2426.0	2431.2
10°	2573.4	2547.6	2526.9	2495.8	2462.2	2444.1	2407.9	2382.0	2369.1	2371.7	2358.8
12.5°	2573.4	2545.0	2503.6	2475.1	2428.6	2389.8	2361.3	2332.9	2322.6	2312.2	2307.0
15°	2576.0	2539.8	2498.4	2438.9	2384.6	2343.2	2307.0	2288.9	2273.4	2268.2	2270.8
17.5°	2576.0	2539.8	2477.7	2407.9	2345.8	2294.1	2263.1	2242.4	2237.2	2232.0	2232.0
20°	2588.9	2542.4	2459.6	2376.9	2299.3	2245.0	2216.5	2203.6	2203.6	2195.8	2195.8
22.5°	2609.6	2547.6	2449.3	2351.0	2260.5	2201.0	2170.0	2154.4	2162.2	2157.0	2154.4
25°	2632.9	2565.7	2436.4	2314.8	2208.8	2146.7	2115.6	2105.3	2102.7	2089.8	2107.9
27.5°	2651.0	2578.6	2428.6	2278.6	2162.2	2089.8	2051.0	2032.9	2019.9	2025.1	2019.9
30°	2700.2	2614.8	2431.2	2247.5	2110.5	2022.5	1976.0	1955.3	1950.1	1950.1	1950.1
32.5°	2767.4	2661.4	2449.3	2234.6	2061.3	1957.9	1901.0	1880.3	1875.1	1864.8	1869.9
35°	2852.8	2731.2	2477.7	2213.9	2022.5	1882.9	1820.8	1792.3	1784.6	1774.2	1774.2
37.5°	2948.5	2801.0	2498.4	2203.6	1970.8	1805.3	1735.4	1699.2	1694.1	1683.7	1688.9
40°	3070.0	2896.7	2532.0	2182.9	1911.3	1735.4	1642.3	1582.9	1595.8	1601.0	1611.3
42.5°	3207.1	3018.3	2583.8	2162.2	1864.8	1663.0	1526.0	1466.5	1482.0	1476.8	1487.2
45°	3393.3	3160.5	2648.4	2154.4	1807.9	1575.1	1407.0	1339.7	1334.6	1326.8	1332.0
47.5°	3587.3	3331.2	2710.5	2138.9	1745.8	1466.5	1272.5	1187.1	1166.4	1156.1	1145.8
50°	3789.0	3501.9	2782.9	2128.6	1663.0	1344.9	1138.0	1039.7	1000.9	988.0	975.1
52.5°	4016.6	3685.6	2845.0	2102.7	1572.5	1218.2	1016.4	905.2	861.3	835.4	838.0
55°	4257.1	3853.7	2901.9	2071.7	1469.1	1099.2	894.9	801.8	757.8	750.0	750.0
57.5°	4479.6	4027.0	2943.3	2017.4	1365.6	982.8	794.0	713.8	693.1	703.5	703.5
60°	4707.2	4166.6	2964.0	1957.9	1259.6	884.5	724.2	659.5	649.2	669.9	672.5
62.5°	4890.8	4277.8	2958.8	1875.1	1143.2	799.2	656.9	605.2	610.4	646.6	654.3
65°	5022.7	4332.2	2894.1	1751.0	1032.0	724.2	597.4	548.3	548.3	574.2	581.9
67.5°	*5012.4*	*4262.3*	*2764.8*	*1577.7*	*913.0*	*649.2*	*543.1*	*504.3*	*504.3*	*522.4*	*519.9*
70°	4800.3	4021.8	2519.1	1368.2	796.6	584.5	496.6	468.1	465.5	473.3	470.7
72.5°	4290.8	3533.0	2136.3	1130.2	688.0	519.9	450.0	424.2	419.0	408.6	400.9
75°	3540.7	2901.9	1668.2	900.1	581.9	457.8	406.1	382.8	362.1	375.0	367.3
77.5°	2746.7	2226.9	1241.5	698.3	473.3	398.3	362.1	336.2	331.1	377.6	362.1
80°	2004.4	1538.9	876.8	499.2	367.3	323.3	302.6	281.9	356.9	478.5	475.9
82.5°	889.7	742.3	400.9	237.9	170.7	142.2	119.0	134.5	225.0	219.8	227.6
85°	80.2	82.8	44.0	28.4	18.1	15.5	10.3	10.3	7.8	7.8	7.8
87.5°	10.3	10.3	7.8	7.8	5.2	5.2	5.2	5.2	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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2407-157-4

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-40-730-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-40-730-U-5WQ-2

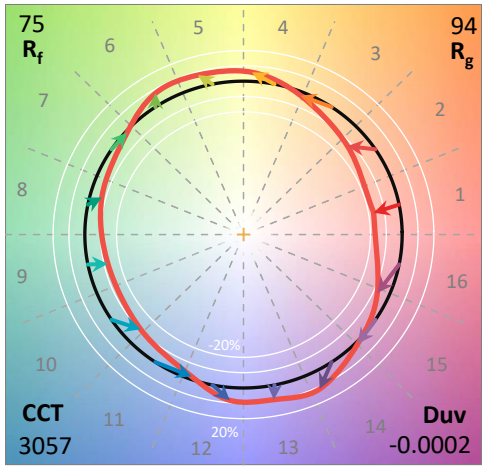
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-4
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-40-730-U-5WQ-2**
Description:	Epic Modern Light Square 40W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	3057	CRI (Ra):	71.7		
CIE u':	0.2487	R1:	68.1	R9:	-34.8
CIE v':	0.5199	R2:	82.0	R10:	58.5
Duv:	-0.0002	R3:	93.5	R11:	62.5
CIE x:	0.4326	R4:	67.5	R12:	47.5
CIE y:	0.4020	R5:	67.2	R13:	70.7
CIE z:	0.1654	R6:	74.9	R14:	96.4
Peak Wavelength (nm):	593	R7:	77.4	R15:	60.0
Dominant Wavelength (nm):	582	R8:	43.1		
Purity:	50.50735				
Rf:	74.6				
Rg:	94				



Test Conditions

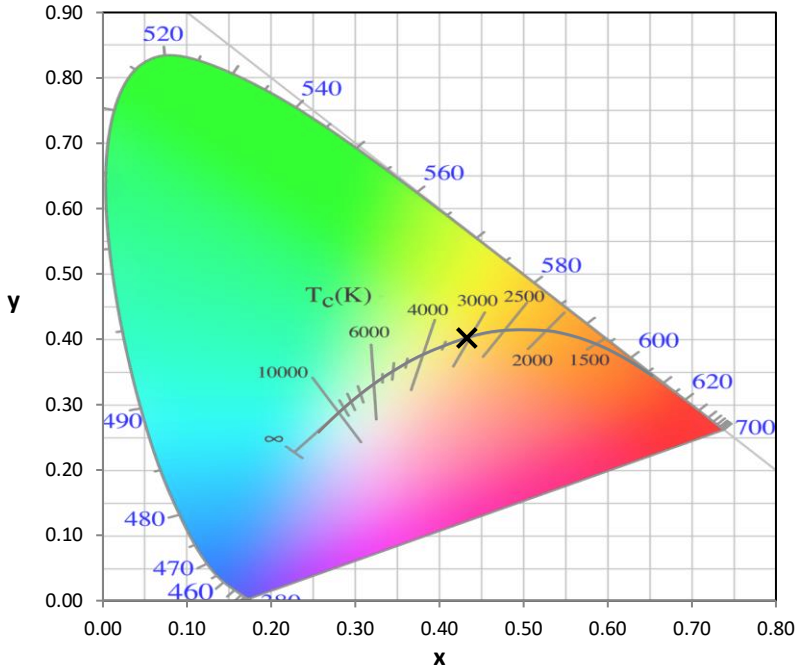
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-4

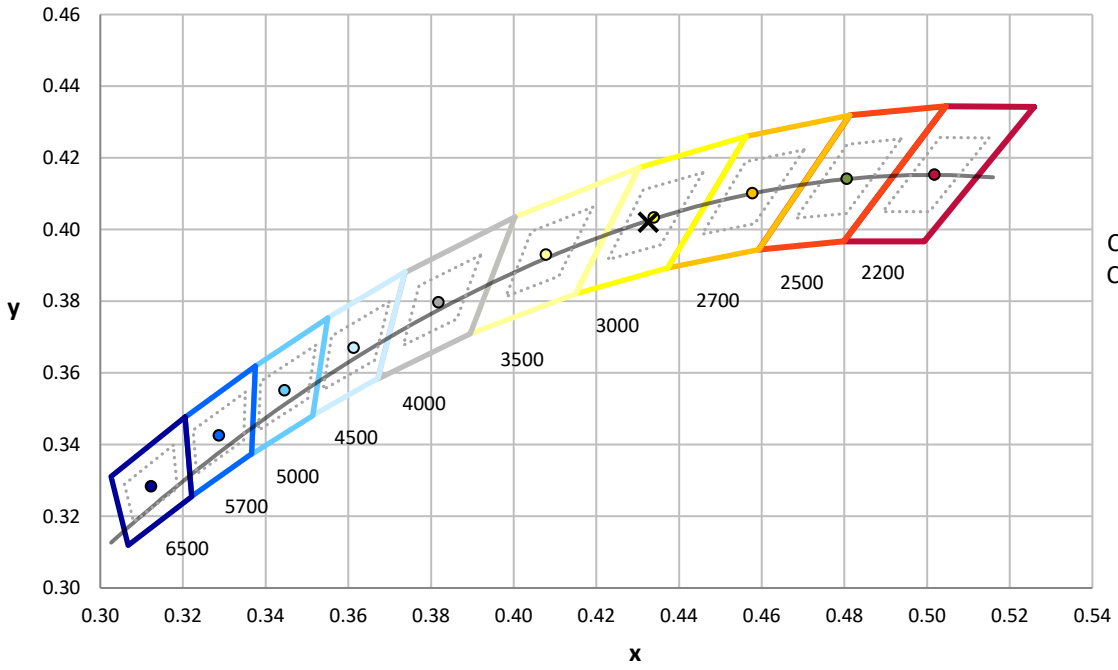
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-4

CIE 1931 Chromaticity Diagram



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

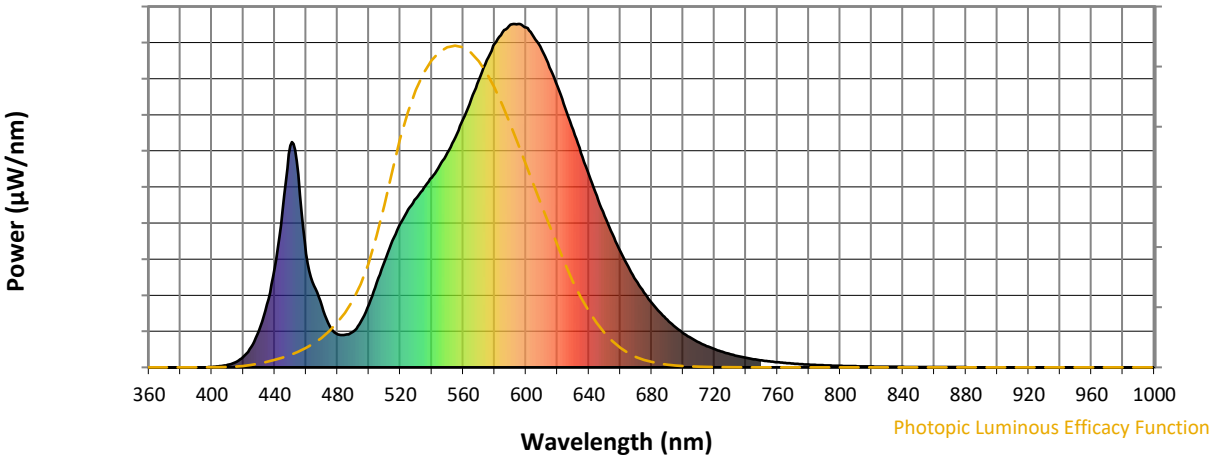


CCT = 3057K
CIE x = 0.4326
CIE y = 0.4020
Duv = -0.0002

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-4

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	104	NR	620	818	NR	750	20	NR	880	1	NR
365	0	NR	495	135	NR	625	755	NR	755	17	NR	885	0	NR
370	0	NR	500	184	NR	630	691	NR	760	15	NR	890	0	NR
375	0	NR	505	247	NR	635	625	NR	765	13	NR	895	0	NR
380	0	NR	510	309	NR	640	561	NR	770	11	NR	900	0	NR
385	0	NR	515	369	NR	645	499	NR	775	9	NR	905	0	NR
390	0	NR	520	419	NR	650	441	NR	780	8	NR	910	0	NR
395	0	NR	525	460	NR	655	388	NR	785	7	NR	915	0	NR
400	1	NR	530	492	NR	660	338	NR	790	6	NR	920	0	NR
405	3	NR	535	524	NR	665	294	NR	795	5	NR	925	0	NR
410	7	NR	540	553	NR	670	253	NR	800	4	NR	930	0	NR
415	15	NR	545	588	NR	675	218	NR	805	4	NR	935	0	NR
420	31	NR	550	625	NR	680	188	NR	810	3	NR	940	0	NR
425	60	NR	555	670	NR	685	161	NR	815	3	NR	945	0	NR
430	107	NR	560	723	NR	690	139	NR	820	3	NR	950	0	NR
435	183	NR	565	780	NR	695	118	NR	825	2	NR	955	0	NR
440	289	NR	570	837	NR	700	100	NR	830	2	NR	960	0	NR
445	460	NR	575	894	NR	705	85	NR	835	2	NR	965	0	NR
450	646	NR	580	942	NR	710	73	NR	840	1	NR	970	0	NR
455	561	NR	585	976	NR	715	62	NR	845	1	NR	975	0	NR
460	331	NR	590	998	NR	720	53	NR	850	1	NR	980	0	NR
465	238	NR	595	1000	NR	725	45	NR	855	1	NR	985	0	NR
470	178	NR	600	990	NR	730	39	NR	860	1	NR	990	0	NR
475	120	NR	605	962	NR	735	33	NR	865	1	NR	995	0	NR
480	96	NR	610	925	NR	740	28	NR	870	1	NR	1000	0	NR
485	95	NR	615	873	NR	745	24	NR	875	1	NR			

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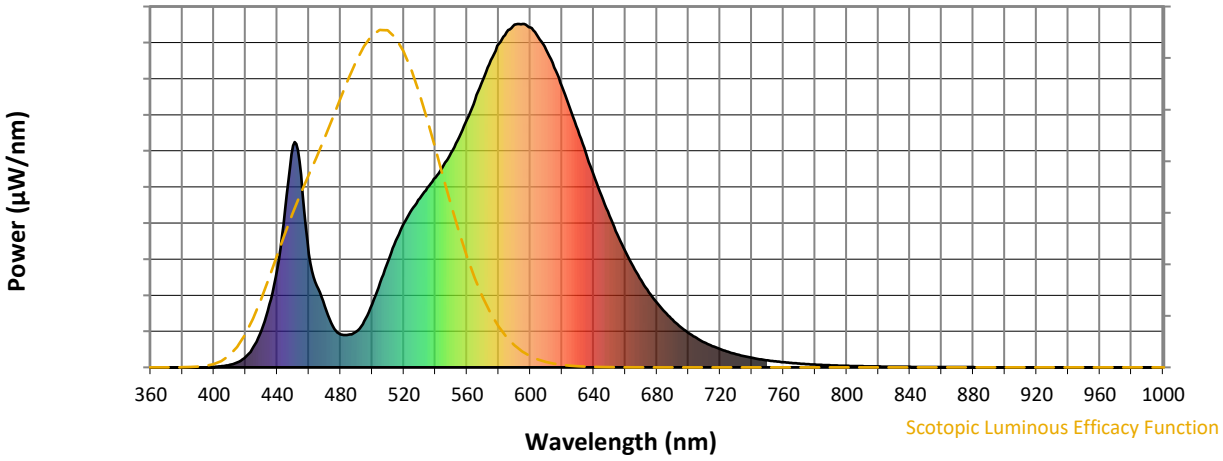
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.23**

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	104	NR	620	818	NR	750	20	NR	880	1	NR
365	0	NR	495	135	NR	625	755	NR	755	17	NR	885	0	NR
370	0	NR	500	184	NR	630	691	NR	760	15	NR	890	0	NR
375	0	NR	505	247	NR	635	625	NR	765	13	NR	895	0	NR
380	0	NR	510	309	NR	640	561	NR	770	11	NR	900	0	NR
385	0	NR	515	369	NR	645	499	NR	775	9	NR	905	0	NR
390	0	NR	520	419	NR	650	441	NR	780	8	NR	910	0	NR
395	0	NR	525	460	NR	655	388	NR	785	7	NR	915	0	NR
400	1	NR	530	492	NR	660	338	NR	790	6	NR	920	0	NR
405	3	NR	535	524	NR	665	294	NR	795	5	NR	925	0	NR
410	7	NR	540	553	NR	670	253	NR	800	4	NR	930	0	NR
415	15	NR	545	588	NR	675	218	NR	805	4	NR	935	0	NR
420	31	NR	550	625	NR	680	188	NR	810	3	NR	940	0	NR
425	60	NR	555	670	NR	685	161	NR	815	3	NR	945	0	NR
430	107	NR	560	723	NR	690	139	NR	820	3	NR	950	0	NR
435	183	NR	565	780	NR	695	118	NR	825	2	NR	955	0	NR
440	289	NR	570	837	NR	700	100	NR	830	2	NR	960	0	NR
445	460	NR	575	894	NR	705	85	NR	835	2	NR	965	0	NR
450	646	NR	580	942	NR	710	73	NR	840	1	NR	970	0	NR
455	561	NR	585	976	NR	715	62	NR	845	1	NR	975	0	NR
460	331	NR	590	998	NR	720	53	NR	850	1	NR	980	0	NR
465	238	NR	595	1000	NR	725	45	NR	855	1	NR	985	0	NR
470	178	NR	600	990	NR	730	39	NR	860	1	NR	990	0	NR
475	120	NR	605	962	NR	735	33	NR	865	1	NR	995	0	NR
480	96	NR	610	925	NR	740	28	NR	870	1	NR	1000	0	NR
485	95	NR	615	873	NR	745	24	NR	875	1	NR			

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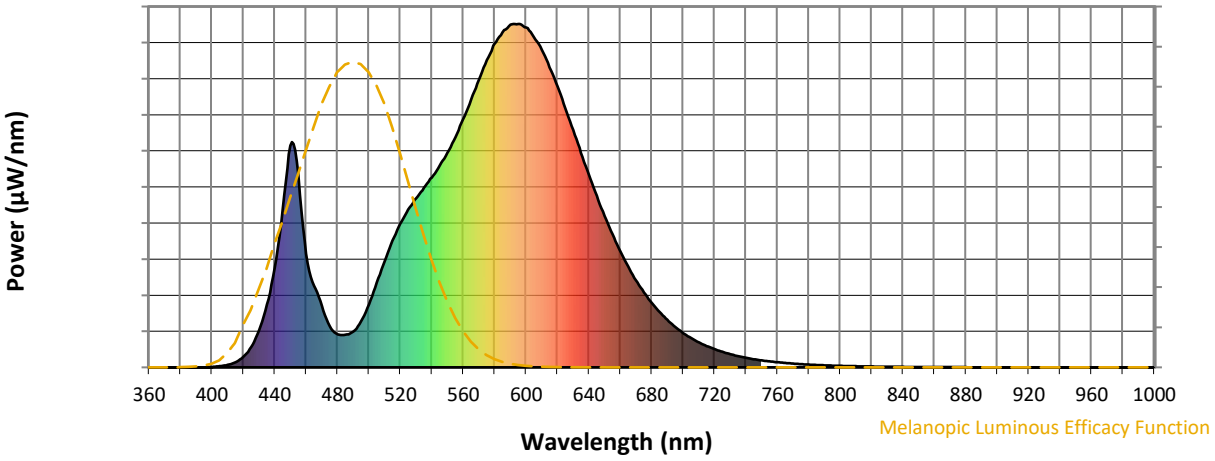
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.27**

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	104	NR	620	818	NR	750	20	NR	880	1	NR
365	0	NR	495	135	NR	625	755	NR	755	17	NR	885	0	NR
370	0	NR	500	184	NR	630	691	NR	760	15	NR	890	0	NR
375	0	NR	505	247	NR	635	625	NR	765	13	NR	895	0	NR
380	0	NR	510	309	NR	640	561	NR	770	11	NR	900	0	NR
385	0	NR	515	369	NR	645	499	NR	775	9	NR	905	0	NR
390	0	NR	520	419	NR	650	441	NR	780	8	NR	910	0	NR
395	0	NR	525	460	NR	655	388	NR	785	7	NR	915	0	NR
400	1	NR	530	492	NR	660	338	NR	790	6	NR	920	0	NR
405	3	NR	535	524	NR	665	294	NR	795	5	NR	925	0	NR
410	7	NR	540	553	NR	670	253	NR	800	4	NR	930	0	NR
415	15	NR	545	588	NR	675	218	NR	805	4	NR	935	0	NR
420	31	NR	550	625	NR	680	188	NR	810	3	NR	940	0	NR
425	60	NR	555	670	NR	685	161	NR	815	3	NR	945	0	NR
430	107	NR	560	723	NR	690	139	NR	820	3	NR	950	0	NR
435	183	NR	565	780	NR	695	118	NR	825	2	NR	955	0	NR
440	289	NR	570	837	NR	700	100	NR	830	2	NR	960	0	NR
445	460	NR	575	894	NR	705	85	NR	835	2	NR	965	0	NR
450	646	NR	580	942	NR	710	73	NR	840	1	NR	970	0	NR
455	561	NR	585	976	NR	715	62	NR	845	1	NR	975	0	NR
460	331	NR	590	998	NR	720	53	NR	850	1	NR	980	0	NR
465	238	NR	595	1000	NR	725	45	NR	855	1	NR	985	0	NR
470	178	NR	600	990	NR	730	39	NR	860	1	NR	990	0	NR
475	120	NR	605	962	NR	735	33	NR	865	1	NR	995	0	NR
480	96	NR	610	925	NR	740	28	NR	870	1	NR	1000	0	NR
485	95	NR	615	873	NR	745	24	NR	875	1	NR			

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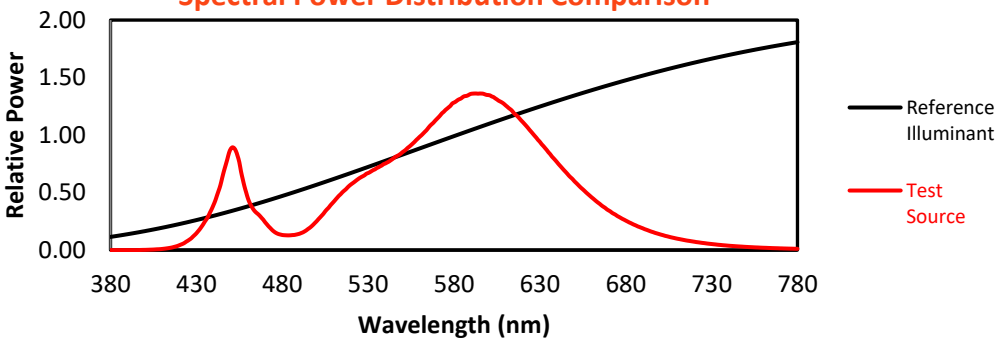
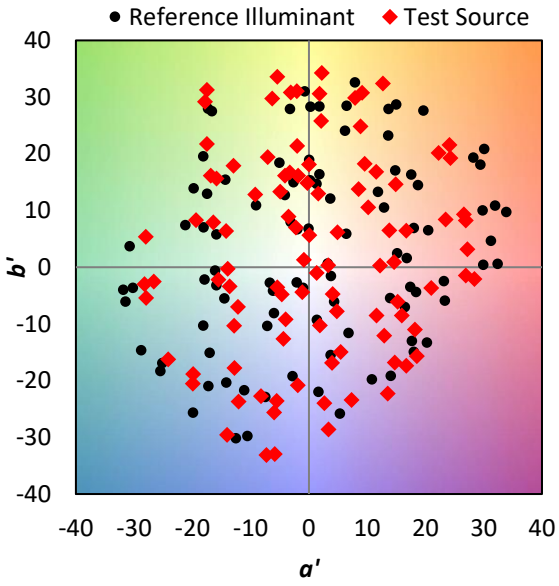
Summary

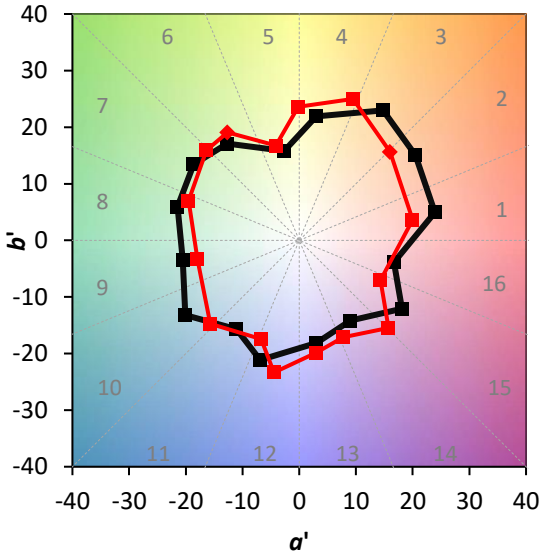
R_f = 74.6
R_g = 94
CIE R_a = 71.7
R_9 = -34.8

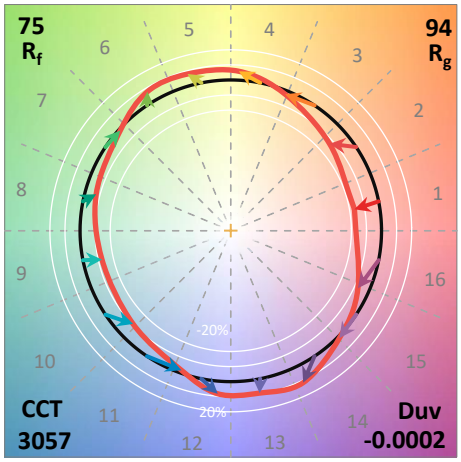
Spectral Power Distribution Comparison

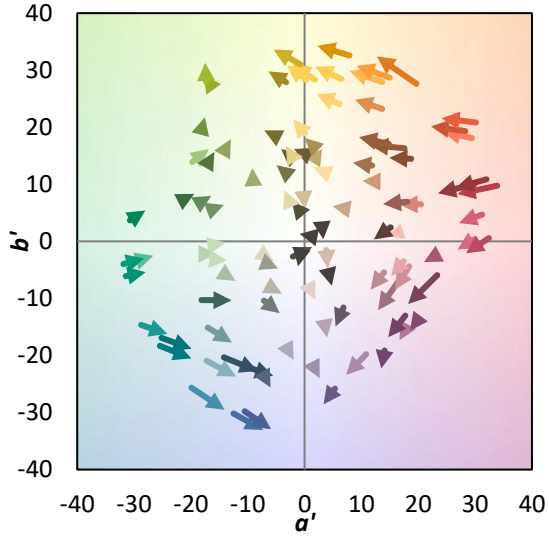


Color Vector Graphics









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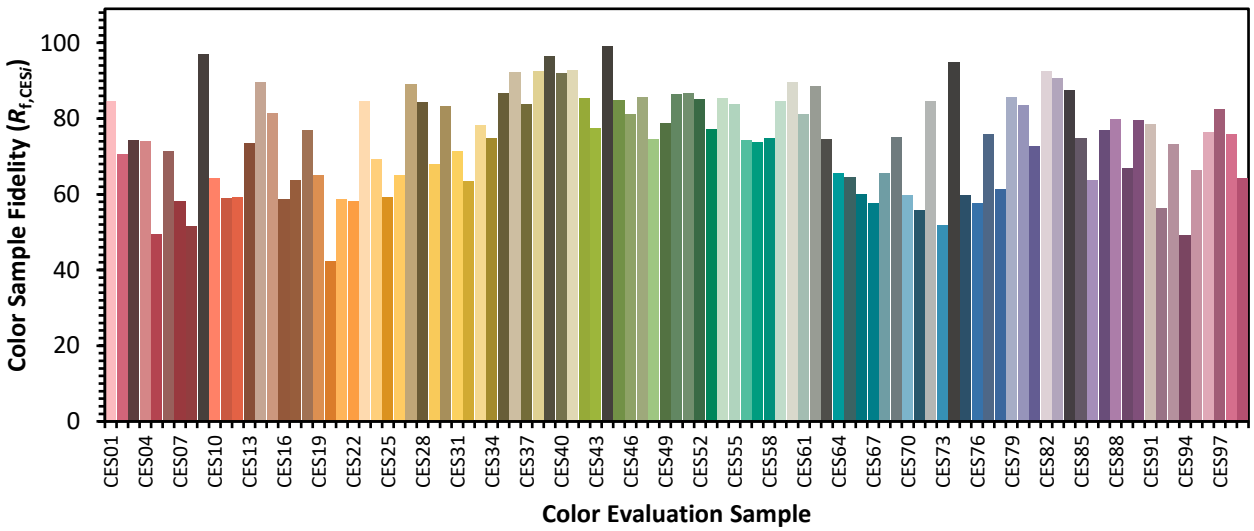
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 65	CES51 = 87	CES76 = 58
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 76
CES03 = 31	CES28 = 84	CES53 = 77	CES78 = 61
CES04 = 71	CES29 = 68	CES54 = 85	CES79 = 86
CES05 = 49	CES30 = 83	CES55 = 84	CES80 = 83
CES06 = 51	CES31 = 71	CES56 = 74	CES81 = 73
CES07 = 41	CES32 = 64	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 78	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 75	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 64
CES12 = 65	CES37 = 84	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 65	CES89 = 67
CES15 = 71	CES40 = 92	CES65 = 64	CES90 = 80
CES16 = 47	CES41 = 93	CES66 = 60	CES91 = 78
CES17 = 50	CES42 = 86	CES67 = 58	CES92 = 56
CES18 = 56	CES43 = 77	CES68 = 66	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 75	CES94 = 49
CES20 = 66	CES45 = 85	CES70 = 60	CES95 = 66
CES21 = 87	CES46 = 81	CES71 = 56	CES96 = 76
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 75	CES73 = 52	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 60	



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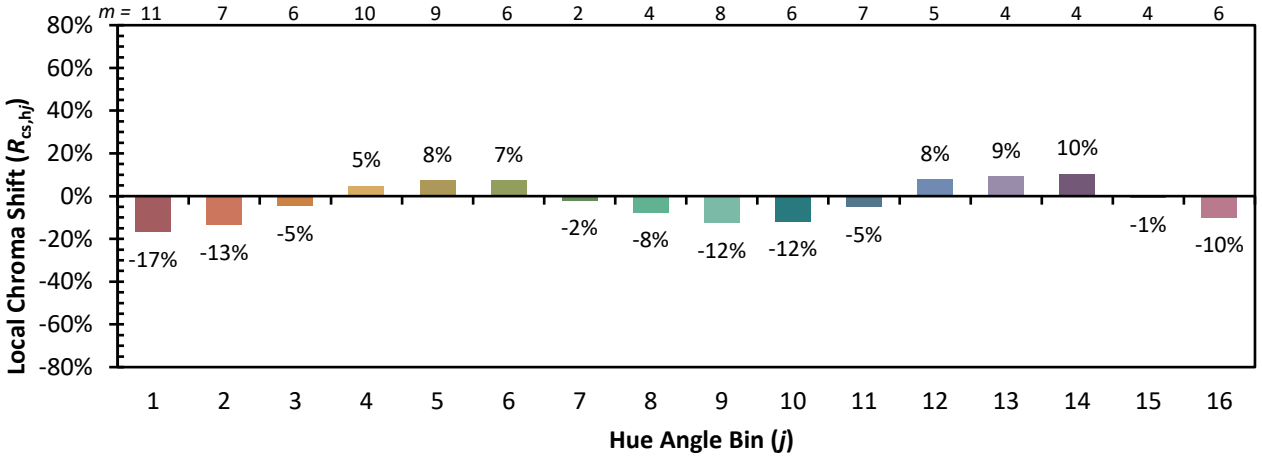
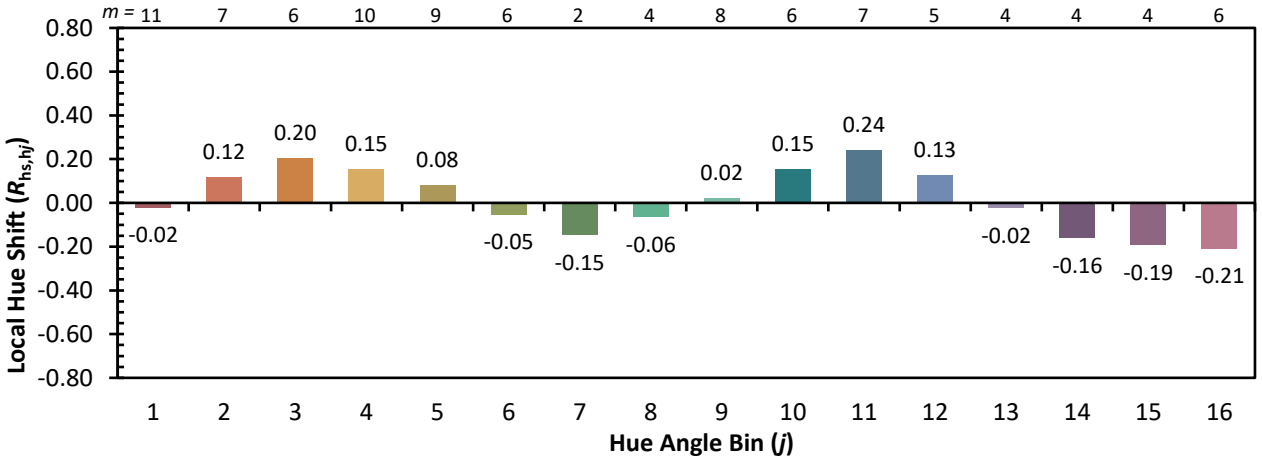
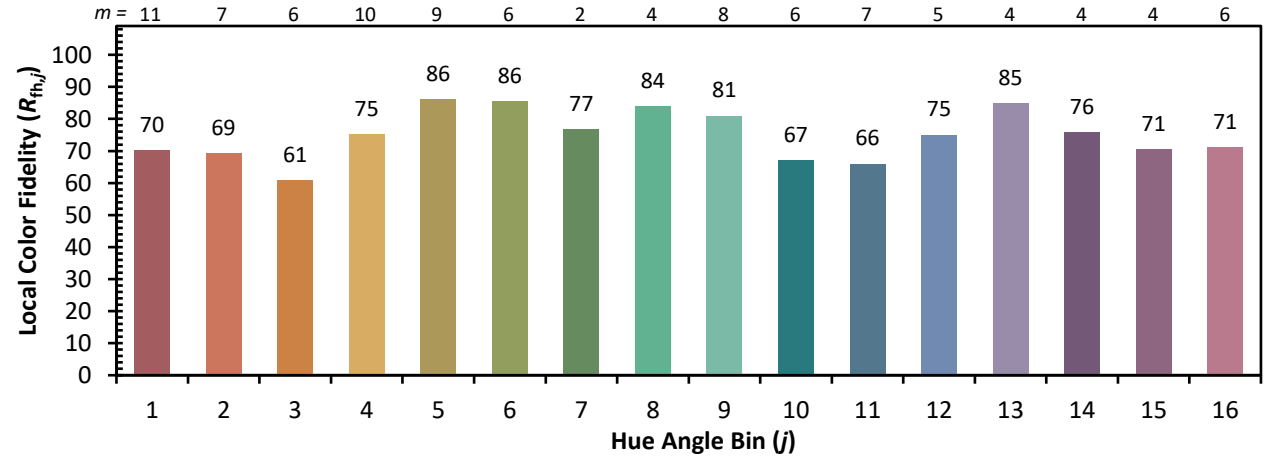
Color Rendition by Hue-Angle Bin







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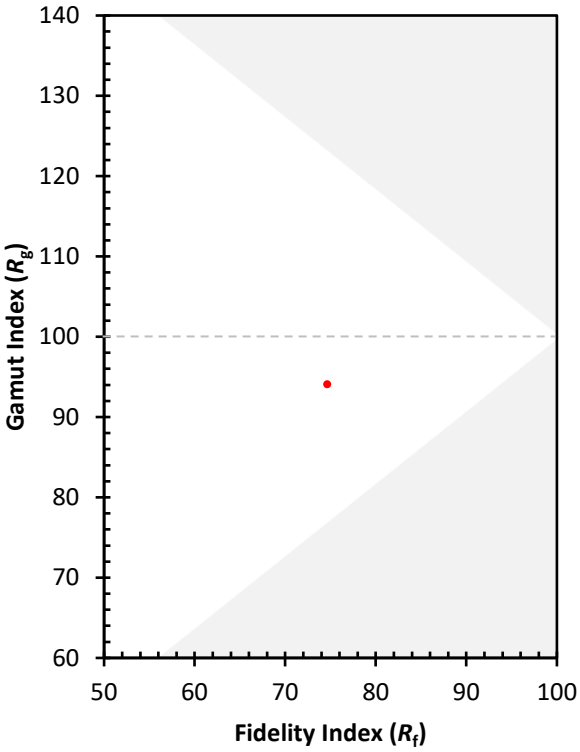
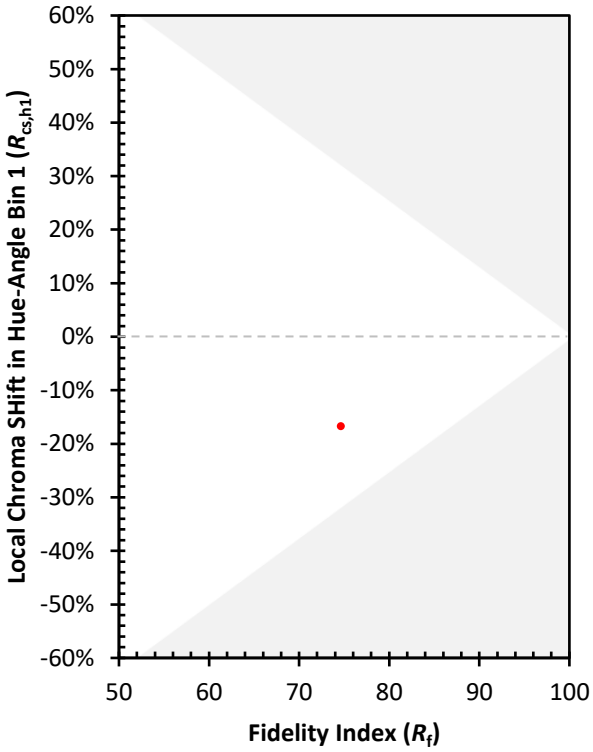
Measure Comparisons





(END OF REPORT)