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: P867963

Luminaire Tested: **MEM2-HSN-SA-90-727-U-T2U**

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:	P867963
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/21/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HSN-SA-90-727-U-T2U
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 90W 70CRI 2700K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source:	(20) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11947.3 lumens
Efficiency:	N/A
Efficacy:	132.7 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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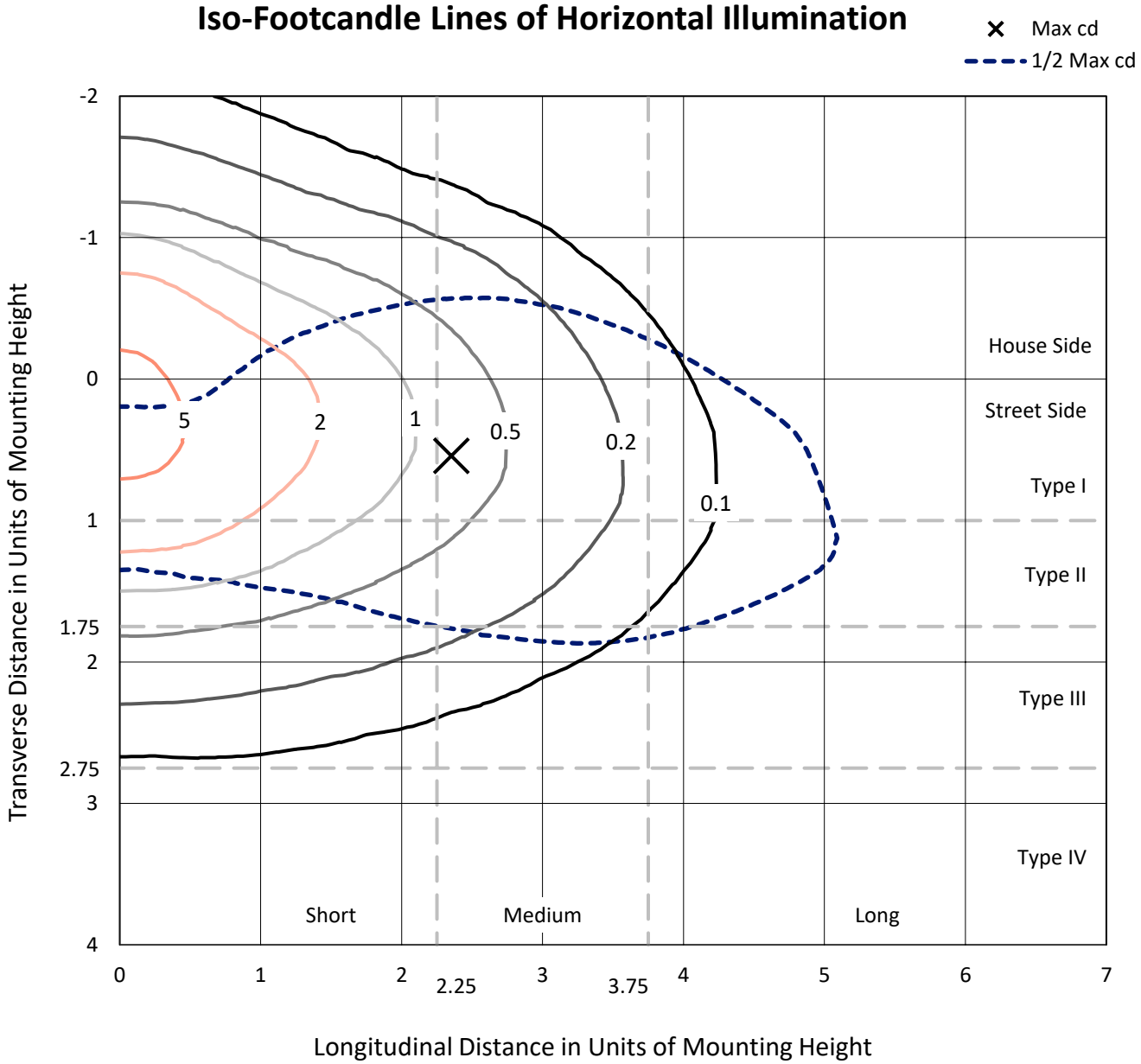
REPORT NUMBER: P867963
CATALOG NUMBER: MEM2-HSN-SA-90-727-U-T2U

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 6.5 fc
Type III - Medium - N/A

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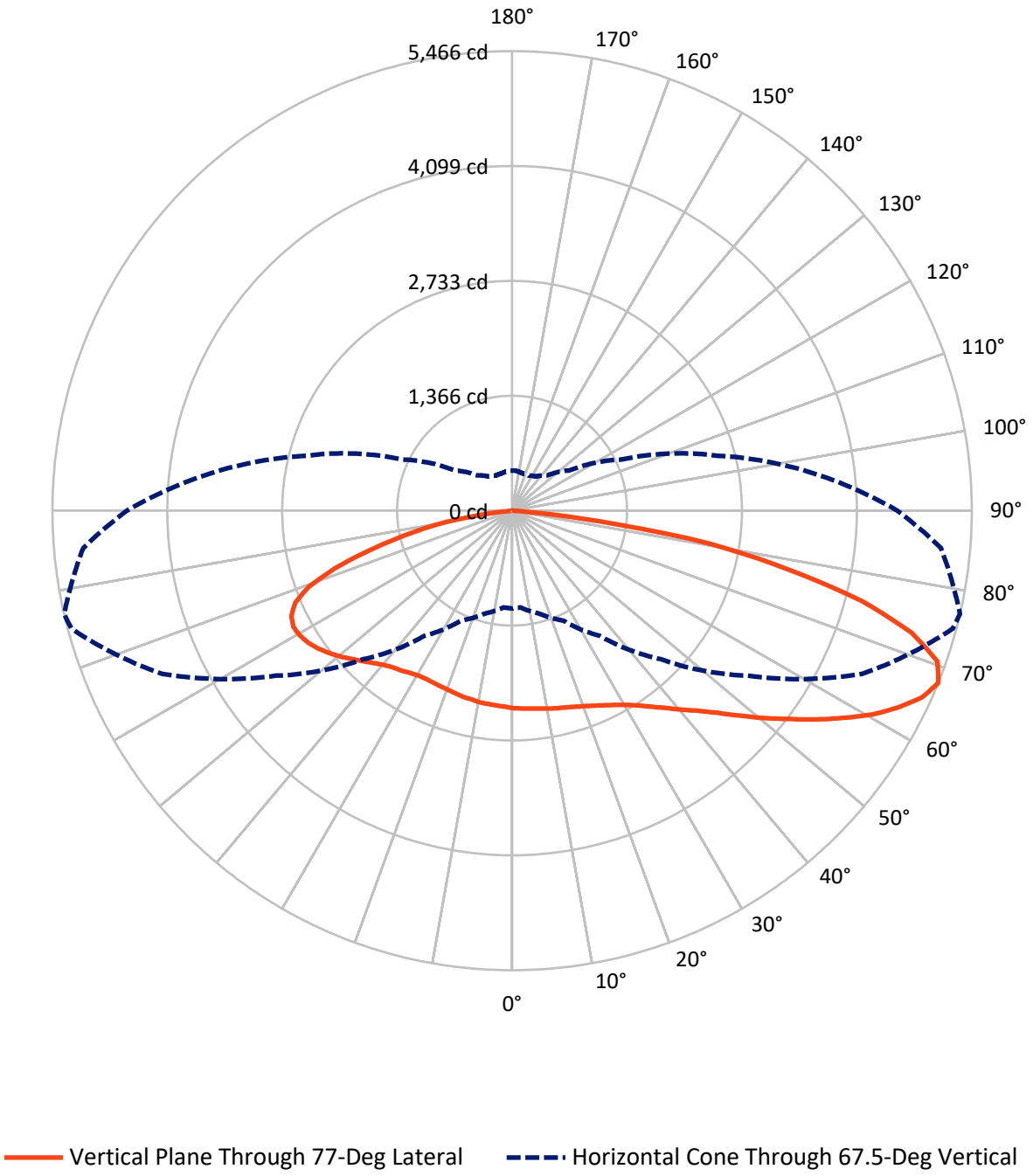
Luminous Intensity Polar Plot



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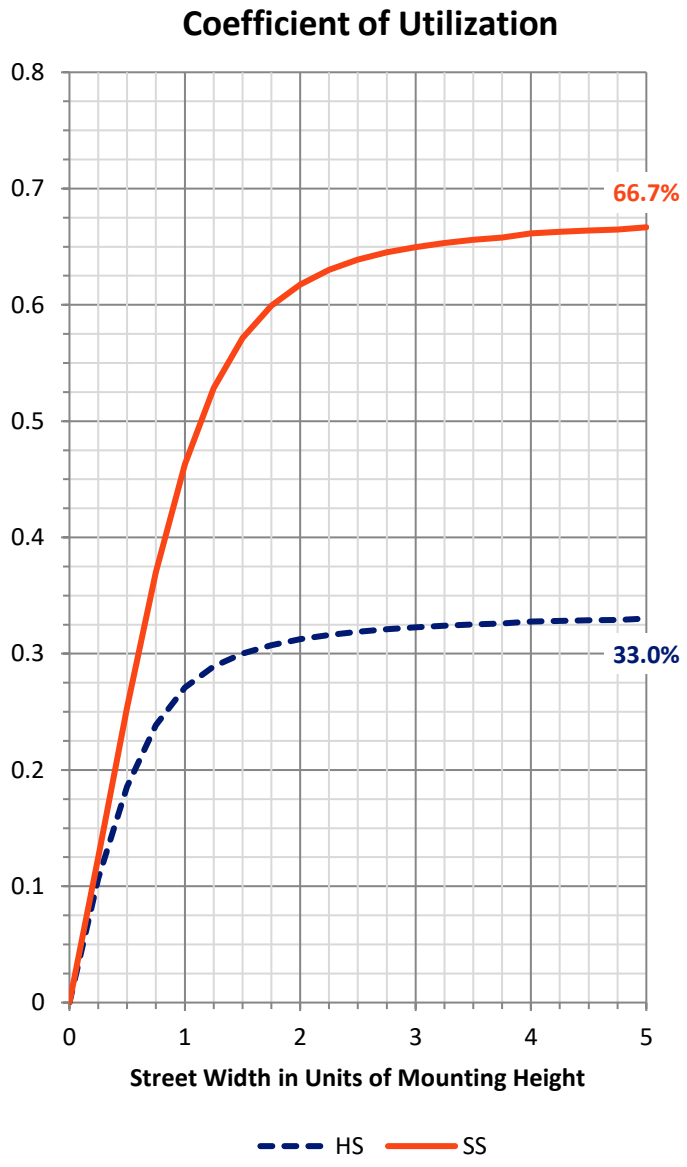
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3972.9	0.0	3972.9
	% Fixture	33.3	0.0	33.3
Street Side	Lumens	7974.4	0.0	7974.4
	% Fixture	66.7	0.0	66.7
Total	Lumens	11947.3	0.0	11947.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.8	1.9
10°-20°	684.7	5.7
20°-30°	1154.4	9.7
30°-40°	1638.1	13.7
40°-50°	2072.5	17.3
50°-60°	2270.4	19.0
60°-70°	2194.7	18.4
70°-80°	1476.1	12.4
80°-90°	230.7	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°	11947.3	100.0
0°-180°	11947.3	100.0



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REPORT NUMBER: P867963
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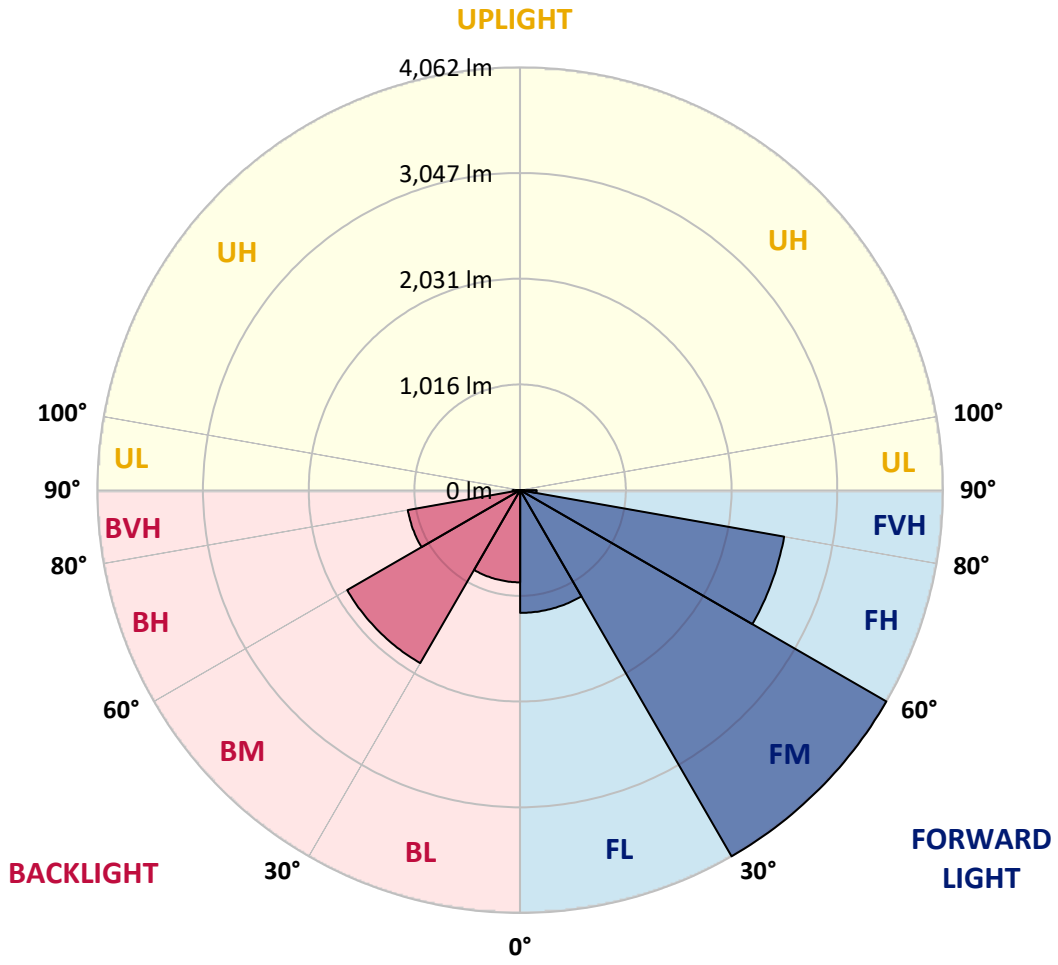
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1179.2	9.9			
FM	(30°-60°)	4062.2	34.0			
FH	(60°-80°)	2575.0	21.6			G2/5000
FVH	(80°-90°)	158.0	1.3			G2/225
BL	(0°-30°)	885.6	7.4	B2/1000		
BM	(30°-60°)	1918.8	16.1	B2/2500		
BH	(60°-80°)	1095.7	9.2	B3/2500		G3/2500
BVH	(80°-90°)	72.7	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: P867963
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2349.0	2349.0	2349.0	2349.0	2349.0	2349.0	2349.0	2349.0	2349.0	*2349.0*	2349.0
2.5°	2400.9	2398.6	2386.8	2391.5	2377.3	2386.8	2372.6	2360.8	2358.4	*2356.0*	2358.4
5°	2476.6	2464.8	2452.9	2445.8	2434.0	2429.3	2405.7	2382.0	2367.9	*2365.5*	2360.8
7.5°	2564.0	2559.3	2542.7	2533.3	2500.2	2483.7	2450.6	2408.0	2386.8	*2377.3*	2365.5
10°	2653.8	2665.6	2644.3	2625.4	2587.6	2552.2	2495.5	2441.1	2398.6	*2393.9*	2367.9
12.5°	2764.9	2762.5	2748.3	2715.2	2670.3	2620.7	2552.2	2476.6	2419.9	*2410.4*	2372.6
15°	2864.1	2861.8	2842.9	2812.1	2753.1	2691.6	2599.4	2512.0	2441.1	*2426.9*	2382.0
17.5°	2956.3	2951.6	2939.7	2906.7	2833.4	2757.8	2668.0	2552.2	2467.1	*2450.6*	2389.1
20°	3036.6	3041.4	3027.2	2994.1	2925.6	2845.2	2731.8	2604.2	2500.2	*2481.3*	2410.4
22.5°	3124.1	3126.4	3119.3	3107.5	3020.1	2935.0	2812.1	2663.3	2538.0	*2519.1*	2434.0
25°	3216.2	3218.6	3223.3	3216.2	3117.0	3024.8	2894.8	2736.5	2590.0	*2564.0*	2467.1
27.5°	3322.6	3324.9	3334.4	3320.2	3213.9	3117.0	2987.0	2814.5	2644.3	*2616.0*	2495.5
30°	3443.1	3452.5	3445.5	3440.7	3317.8	3223.3	3079.2	2894.8	2715.2	*2679.8*	2545.1
32.5°	3587.2	3584.9	3570.7	3556.5	3431.3	3332.0	3183.1	2998.8	2802.7	*2762.5*	2625.4
35°	3691.2	3691.2	3670.0	3662.9	3547.1	3443.1	3296.6	3114.6	2901.9	*2864.1*	2710.5
37.5°	3755.0	3764.5	3747.9	3752.7	3641.6	3544.7	3410.0	3232.8	3010.6	*2977.6*	2814.5
40°	3778.7	3802.3	3816.5	3835.4	3724.3	3641.6	3530.5	3360.4	3150.1	*3112.3*	2939.7
42.5°	3783.4	3818.8	3868.5	3908.6	3783.4	3714.9	3646.3	3490.4	3287.1	*3254.0*	3076.8
45°	3759.7	3743.2	3863.7	3868.5	3816.5	3773.9	3747.9	3646.3	3485.6	*3431.3*	3246.9
47.5°	3580.2	3561.2	3594.3	3745.6	3776.3	3799.9	3851.9	3828.3	3684.1	*3641.6*	3443.1
50°	3289.5	3280.0	3412.4	3575.4	3677.0	3797.6	3937.0	4003.2	3903.9	*3877.9*	3691.2
52.5°	2809.8	2783.8	3053.2	3369.8	3547.1	3773.9	3996.1	4182.8	4152.0	*4114.2*	3903.9
55°	2504.9	2504.9	2686.9	3081.5	3381.6	3688.9	4033.9	4371.8	4426.2	*4383.6*	4147.3
57.5°	2178.8	2204.8	2393.9	2665.6	3143.0	3532.9	4029.1	4530.1	4690.8	*4650.7*	4404.9
60°	1900.0	1921.2	2029.9	2304.1	2861.8	3327.3	3977.2	4660.1	4936.6	*4922.4*	4631.7
62.5°	1616.4	1642.4	1729.8	1987.4	2490.7	3091.0	3868.5	4731.0	5168.2	*5154.0*	4861.0
65°	1389.5	1391.9	1479.3	1694.4	2119.7	2805.0	3677.0	4716.8	5347.8	*5357.2*	5054.7
67.5°	*1162.7*	*1155.6*	*1269.0*	*1443.9*	*1817.3*	*2497.8*	*3421.8*	*4591.6*	*5423.4*	*5465.9*	*5118.6*
70°	855.5	864.9	1023.2	1217.0	1536.0	2143.4	3065.0	4348.2	5300.5	*5366.7*	4972.0
72.5°	642.8	661.7	815.3	1016.1	1283.2	1788.9	2675.1	3925.2	4957.9	*4967.3*	4525.4
75°	522.3	527.0	664.0	843.6	1051.6	1434.4	2148.1	3277.7	4192.2	*4300.9*	3844.8
77.5°	444.3	439.5	505.7	680.6	848.4	1146.1	1618.7	2493.1	3291.8	*3341.5*	3010.6
80°	378.1	375.7	399.4	550.6	664.0	817.6	1108.3	1736.9	2349.0	*2403.3*	2138.6
82.5°	198.5	212.7	208.0	340.3	375.7	430.1	531.7	789.3	1025.6	*1039.8*	983.1
85°	9.5	9.5	9.5	14.2	23.6	37.8	73.3	73.3	80.3	*153.6*	174.9
87.5°	2.4	2.4	4.7	4.7	4.7	7.1	7.1	9.5	9.5	*9.5*	9.5
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-HSN-SA-90-727-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2349.0	2349.0	2349.0	2349.0	2349.0	2349.0	2349.0	2349.0	2349.0	2349.0	2349.0
2.5°	2353.7	2344.2	2330.1	2332.4	2330.1	2330.1	2318.2	2308.8	2306.4	2311.1	2320.6
5°	2356.0	2341.9	2320.6	2313.5	2306.4	2301.7	2282.8	2268.6	2261.5	2266.2	2268.6
7.5°	2356.0	2334.8	2311.1	2297.0	2278.1	2263.9	2242.6	2223.7	2214.3	2216.6	2221.3
10°	2351.3	2327.7	2308.8	2280.4	2249.7	2233.2	2200.1	2176.4	2164.6	2167.0	2155.2
12.5°	2351.3	2325.3	2287.5	2261.5	2219.0	2183.5	2157.5	2131.5	2122.1	2112.6	2107.9
15°	2353.7	2320.6	2282.8	2228.4	2178.8	2141.0	2107.9	2091.4	2077.2	2072.5	2074.8
17.5°	2353.7	2320.6	2263.9	2200.1	2143.4	2096.1	2067.7	2048.8	2044.1	2039.4	2039.4
20°	2365.5	2323.0	2247.3	2171.7	2100.8	2051.2	2025.2	2013.4	2013.4	2006.3	2006.3
22.5°	2384.4	2327.7	2237.9	2148.1	2065.4	2011.0	1982.7	1968.5	1975.6	1970.9	1968.5
25°	2405.7	2344.2	2226.1	2115.0	2018.1	1961.4	1933.0	1923.6	1921.2	1909.4	1926.0
27.5°	2422.2	2356.0	2219.0	2081.9	1975.6	1909.4	1874.0	1857.4	1845.6	1850.3	1845.6
30°	2467.1	2389.1	2221.3	2053.6	1928.3	1848.0	1805.4	1786.5	1781.8	1781.8	1781.8
32.5°	2528.6	2431.7	2237.9	2041.7	1883.4	1788.9	1736.9	1718.0	1713.3	1703.8	1708.5
35°	2606.5	2495.5	2263.9	2022.8	1848.0	1720.4	1663.6	1637.7	1630.6	1621.1	1621.1
37.5°	2694.0	2559.3	2282.8	2013.4	1800.7	1649.5	1585.7	1552.6	1547.9	1538.4	1543.1
40°	2805.0	2646.7	2313.5	1994.5	1746.4	1585.7	1500.6	1446.2	1458.1	1462.8	1472.2
42.5°	2930.3	2757.8	2360.8	1975.6	1703.8	1519.5	1394.3	1339.9	1354.1	1349.4	1358.8
45°	3100.4	2887.8	2419.9	1968.5	1651.8	1439.2	1285.5	1224.1	1219.4	1212.3	1217.0
47.5°	3277.7	3043.7	2476.6	1954.3	1595.1	1339.9	1162.7	1084.7	1065.8	1056.3	1046.9
50°	3462.0	3199.7	2542.7	1944.9	1519.5	1228.8	1039.8	950.0	914.5	902.7	890.9
52.5°	3670.0	3367.5	2599.4	1921.2	1436.8	1113.0	928.7	827.1	786.9	763.3	765.7
55°	3889.7	3521.1	2651.4	1892.9	1342.3	1004.3	817.6	732.6	692.4	685.3	685.3
57.5°	4093.0	3679.4	2689.2	1843.2	1247.7	898.0	725.5	652.2	633.3	642.8	642.8
60°	4300.9	3807.0	2708.2	1788.9	1150.8	808.2	661.7	602.6	593.1	612.1	614.4
62.5°	4468.7	3908.6	2703.4	1713.3	1044.5	730.2	600.2	553.0	557.7	590.8	597.9
65°	4589.2	3958.3	2644.3	1599.8	942.9	661.7	545.9	501.0	501.0	524.6	531.7
67.5°	*4579.8*	*3894.4*	*2526.2*	*1441.5*	*834.2*	*593.1*	*496.3*	*460.8*	*460.8*	*477.4*	*475.0*
70°	4386.0	3674.7	2301.7	1250.1	727.8	534.1	453.7	427.7	425.4	432.5	430.1
72.5°	3920.4	3228.0	1952.0	1032.7	628.6	475.0	411.2	387.6	382.8	373.4	366.3
75°	3235.1	2651.4	1524.2	822.4	531.7	418.3	371.0	349.7	330.8	342.7	335.6
77.5°	2509.7	2034.7	1134.3	638.0	432.5	363.9	330.8	307.2	302.5	345.0	330.8
80°	1831.4	1406.1	801.1	456.1	335.6	295.4	276.5	257.6	326.1	437.2	434.8
82.5°	812.9	678.2	366.3	217.4	156.0	130.0	108.7	122.9	205.6	200.9	208.0
85°	73.3	75.6	40.2	26.0	16.5	14.2	9.5	9.5	7.1	7.1	7.1
87.5°	9.5	9.5	7.1	7.1	4.7	4.7	4.7	4.7	2.4	2.4	2.4
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: SP1-2407-157-3

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-30-727-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-30-727-U-5WQ-2

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

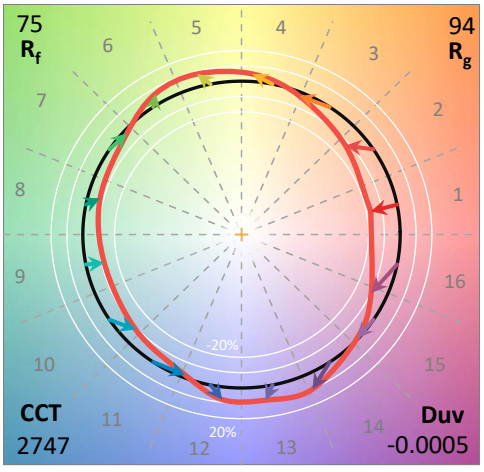
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-3
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-30-727-U-5WQ-2**
Description:	Epic Modern Light Square 30W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	2747	CRI (Ra):	71.7		
CIE u':	0.2606	R1:	68.1	R9:	-35.3
CIE v':	0.5257	R2:	83.9	R10:	64.2
Duv:	-0.0005	R3:	94.7	R11:	61.7
CIE x:	0.4552	R4:	66.3	R12:	53.9
CIE y:	0.4082	R5:	67.4	R13:	71.2
CIE z:	0.1366	R6:	78.7	R14:	97.6
Peak Wavelength (nm):	597	R7:	75.0	R15:	59.3
Dominant Wavelength (nm):	584	R8:	39.4		
Purity:	59.16856				

Rf:	75.5
Rg:	93.6



Test Conditions

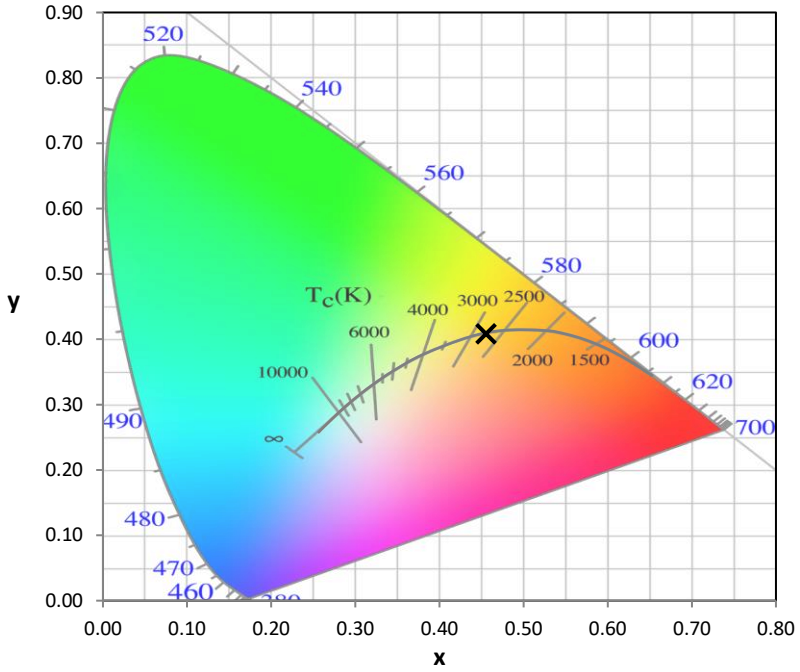
Stabilization Time:	22M
Operation Time:	1H 22M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-3

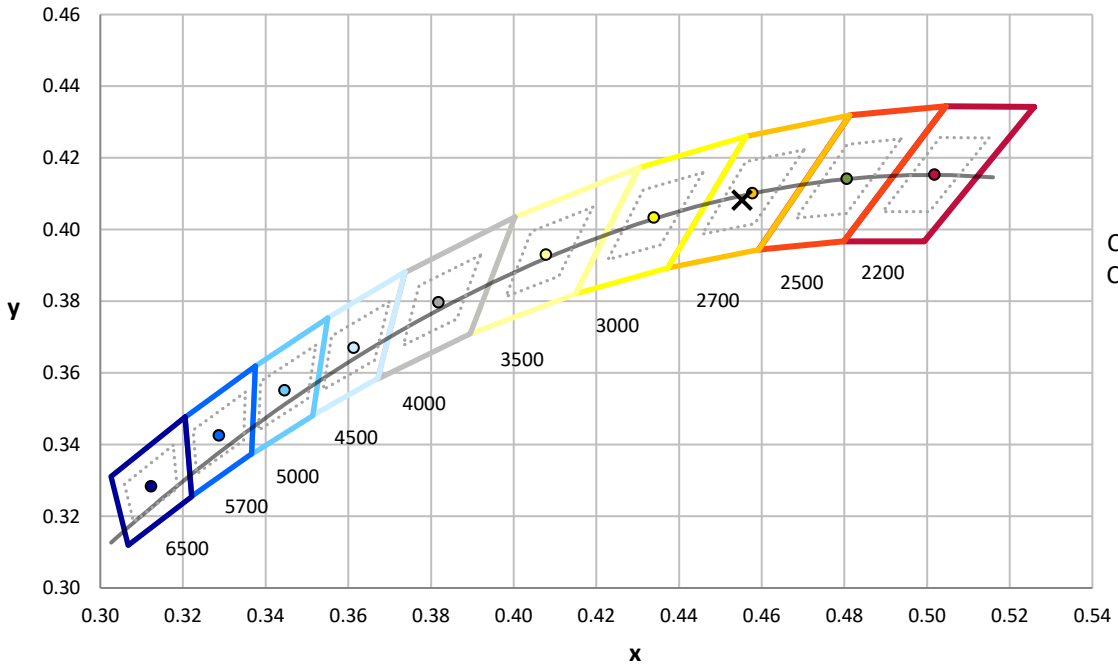
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-3

CIE 1931 Chromaticity Diagram



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

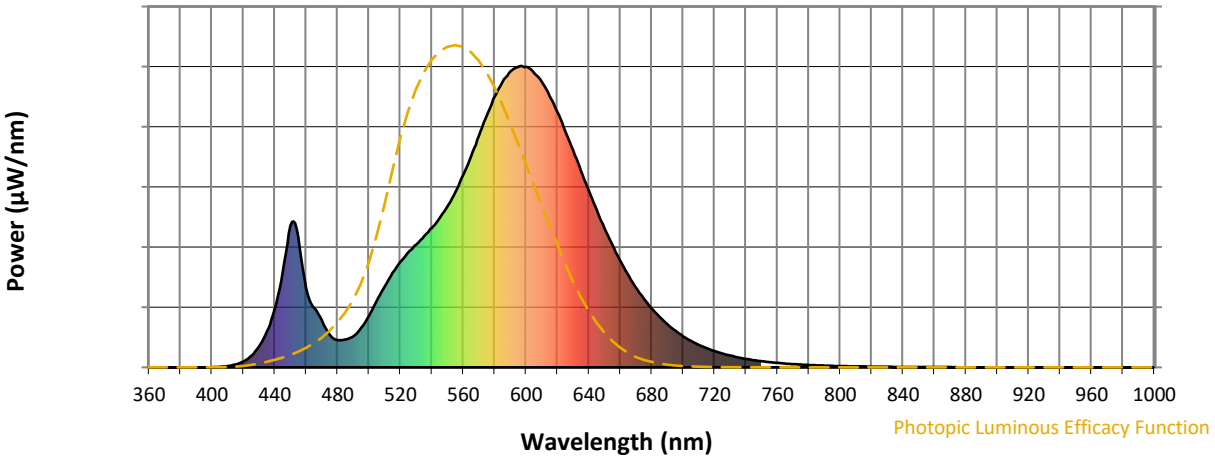


CCT = 2747K
CIE x = 0.4552
CIE y = 0.4082
Duv = -0.0005

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-3

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	103	NR	620	846	NR	750	20	NR	880	0	NR
365	0	NR	495	130	NR	625	784	NR	755	17	NR	885	1	NR
370	0	NR	500	171	NR	630	720	NR	760	15	NR	890	0	NR
375	0	NR	505	221	NR	635	652	NR	765	13	NR	895	0	NR
380	0	NR	510	268	NR	640	587	NR	770	11	NR	900	0	NR
385	0	NR	515	313	NR	645	521	NR	775	9	NR	905	0	NR
390	0	NR	520	350	NR	650	461	NR	780	8	NR	910	0	NR
395	0	NR	525	381	NR	655	406	NR	785	7	NR	915	0	NR
400	0	NR	530	407	NR	660	353	NR	790	6	NR	920	0	NR
405	2	NR	535	435	NR	665	307	NR	795	5	NR	925	0	NR
410	4	NR	540	462	NR	670	264	NR	800	4	NR	930	0	NR
415	9	NR	545	496	NR	675	227	NR	805	4	NR	935	0	NR
420	20	NR	550	534	NR	680	196	NR	810	3	NR	940	0	NR
425	38	NR	555	582	NR	685	167	NR	815	3	NR	945	0	NR
430	69	NR	560	638	NR	690	144	NR	820	2	NR	950	0	NR
435	120	NR	565	700	NR	695	122	NR	825	2	NR	955	0	NR
440	193	NR	570	767	NR	700	103	NR	830	2	NR	960	0	NR
445	316	NR	575	836	NR	705	88	NR	835	2	NR	965	0	NR
450	469	NR	580	898	NR	710	74	NR	840	1	NR	970	0	NR
455	431	NR	585	947	NR	715	63	NR	845	1	NR	975	0	NR
460	264	NR	590	982	NR	720	54	NR	850	1	NR	980	0	NR
465	197	NR	595	997	NR	725	46	NR	855	1	NR	985	0	NR
470	155	NR	600	997	NR	730	39	NR	860	1	NR	990	0	NR
475	108	NR	605	978	NR	735	33	NR	865	1	NR	995	0	NR
480	90	NR	610	947	NR	740	28	NR	870	1	NR	1000	0	NR
485	92	NR	615	900	NR	745	24	NR	875	1	NR			

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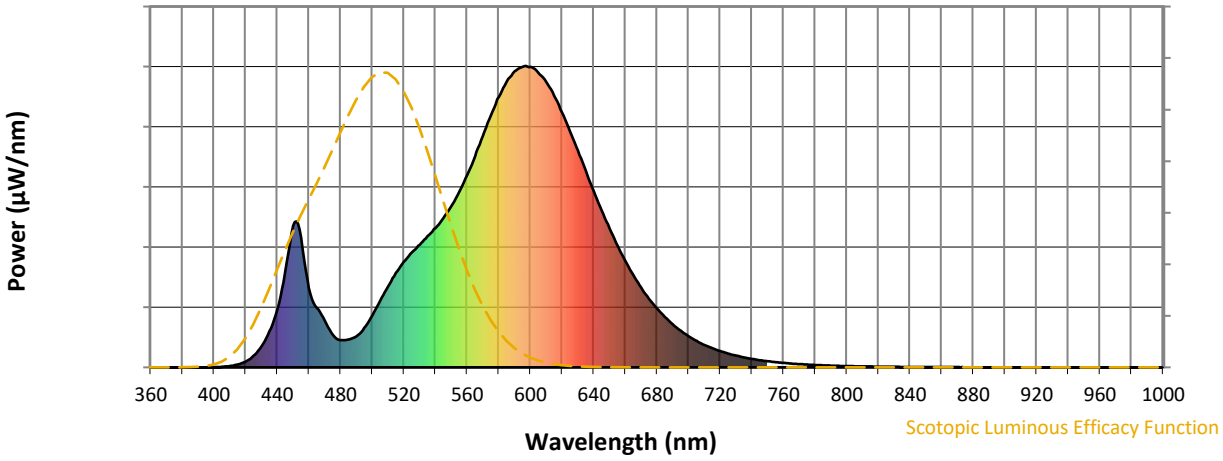
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.13**

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	103	NR	620	846	NR	750	20	NR	880	0	NR
365	0	NR	495	130	NR	625	784	NR	755	17	NR	885	1	NR
370	0	NR	500	171	NR	630	720	NR	760	15	NR	890	0	NR
375	0	NR	505	221	NR	635	652	NR	765	13	NR	895	0	NR
380	0	NR	510	268	NR	640	587	NR	770	11	NR	900	0	NR
385	0	NR	515	313	NR	645	521	NR	775	9	NR	905	0	NR
390	0	NR	520	350	NR	650	461	NR	780	8	NR	910	0	NR
395	0	NR	525	381	NR	655	406	NR	785	7	NR	915	0	NR
400	0	NR	530	407	NR	660	353	NR	790	6	NR	920	0	NR
405	2	NR	535	435	NR	665	307	NR	795	5	NR	925	0	NR
410	4	NR	540	462	NR	670	264	NR	800	4	NR	930	0	NR
415	9	NR	545	496	NR	675	227	NR	805	4	NR	935	0	NR
420	20	NR	550	534	NR	680	196	NR	810	3	NR	940	0	NR
425	38	NR	555	582	NR	685	167	NR	815	3	NR	945	0	NR
430	69	NR	560	638	NR	690	144	NR	820	2	NR	950	0	NR
435	120	NR	565	700	NR	695	122	NR	825	2	NR	955	0	NR
440	193	NR	570	767	NR	700	103	NR	830	2	NR	960	0	NR
445	316	NR	575	836	NR	705	88	NR	835	2	NR	965	0	NR
450	469	NR	580	898	NR	710	74	NR	840	1	NR	970	0	NR
455	431	NR	585	947	NR	715	63	NR	845	1	NR	975	0	NR
460	264	NR	590	982	NR	720	54	NR	850	1	NR	980	0	NR
465	197	NR	595	997	NR	725	46	NR	855	1	NR	985	0	NR
470	155	NR	600	997	NR	730	39	NR	860	1	NR	990	0	NR
475	108	NR	605	978	NR	735	33	NR	865	1	NR	995	0	NR
480	90	NR	610	947	NR	740	28	NR	870	1	NR	1000	0	NR
485	92	NR	615	900	NR	745	24	NR	875	1	NR			

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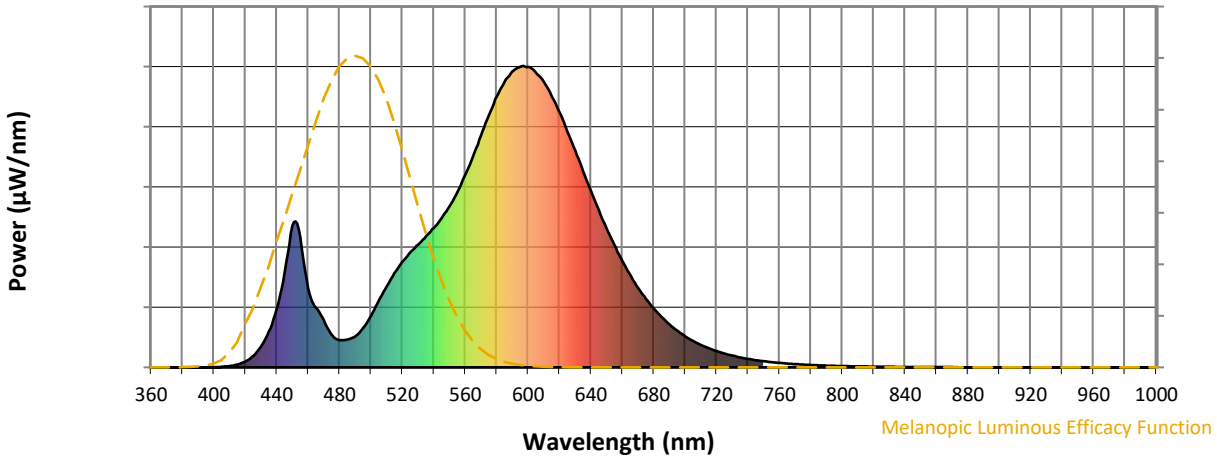
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.04**

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	103	NR	620	846	NR	750	20	NR	880	0	NR
365	0	NR	495	130	NR	625	784	NR	755	17	NR	885	1	NR
370	0	NR	500	171	NR	630	720	NR	760	15	NR	890	0	NR
375	0	NR	505	221	NR	635	652	NR	765	13	NR	895	0	NR
380	0	NR	510	268	NR	640	587	NR	770	11	NR	900	0	NR
385	0	NR	515	313	NR	645	521	NR	775	9	NR	905	0	NR
390	0	NR	520	350	NR	650	461	NR	780	8	NR	910	0	NR
395	0	NR	525	381	NR	655	406	NR	785	7	NR	915	0	NR
400	0	NR	530	407	NR	660	353	NR	790	6	NR	920	0	NR
405	2	NR	535	435	NR	665	307	NR	795	5	NR	925	0	NR
410	4	NR	540	462	NR	670	264	NR	800	4	NR	930	0	NR
415	9	NR	545	496	NR	675	227	NR	805	4	NR	935	0	NR
420	20	NR	550	534	NR	680	196	NR	810	3	NR	940	0	NR
425	38	NR	555	582	NR	685	167	NR	815	3	NR	945	0	NR
430	69	NR	560	638	NR	690	144	NR	820	2	NR	950	0	NR
435	120	NR	565	700	NR	695	122	NR	825	2	NR	955	0	NR
440	193	NR	570	767	NR	700	103	NR	830	2	NR	960	0	NR
445	316	NR	575	836	NR	705	88	NR	835	2	NR	965	0	NR
450	469	NR	580	898	NR	710	74	NR	840	1	NR	970	0	NR
455	431	NR	585	947	NR	715	63	NR	845	1	NR	975	0	NR
460	264	NR	590	982	NR	720	54	NR	850	1	NR	980	0	NR
465	197	NR	595	997	NR	725	46	NR	855	1	NR	985	0	NR
470	155	NR	600	997	NR	730	39	NR	860	1	NR	990	0	NR
475	108	NR	605	978	NR	735	33	NR	865	1	NR	995	0	NR
480	90	NR	610	947	NR	740	28	NR	870	1	NR	1000	0	NR
485	92	NR	615	900	NR	745	24	NR	875	1	NR			

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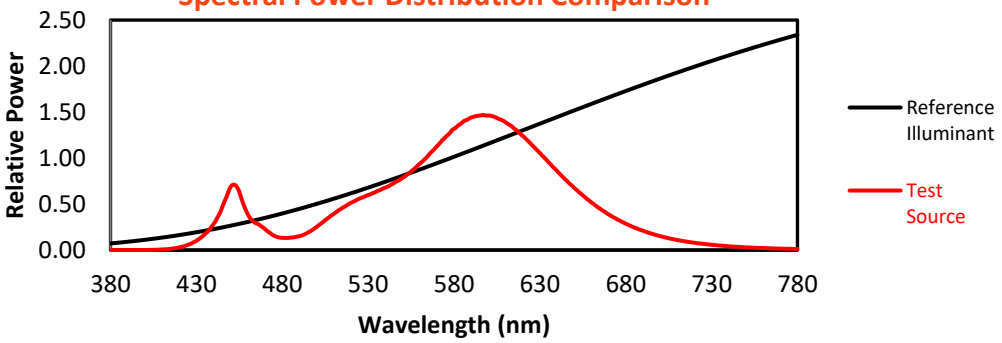
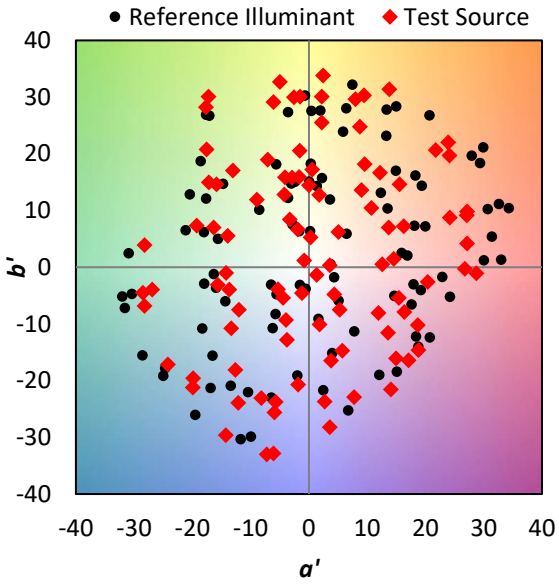
Summary

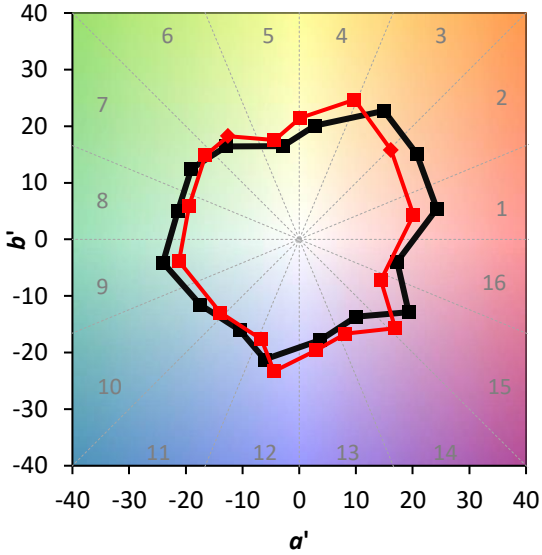
R_f = 75.5
R_g = 93.6
CIE R_a = 71.7
R_9 = -35.3

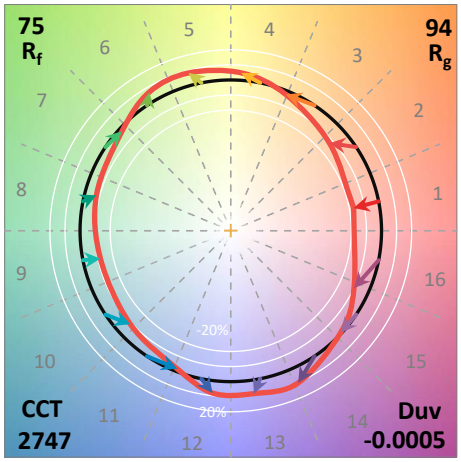
Spectral Power Distribution Comparison

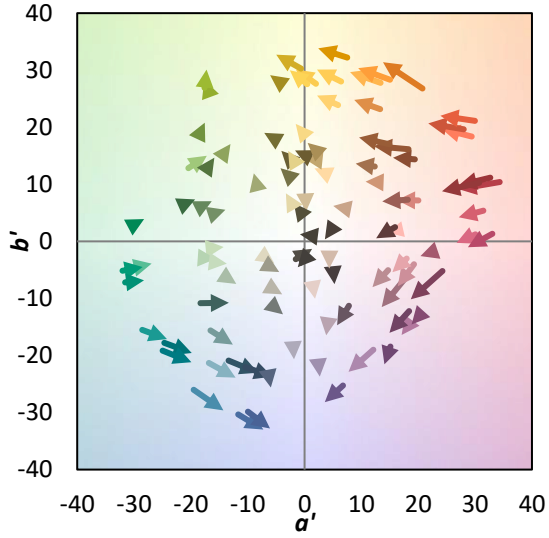


Color Vector Graphics









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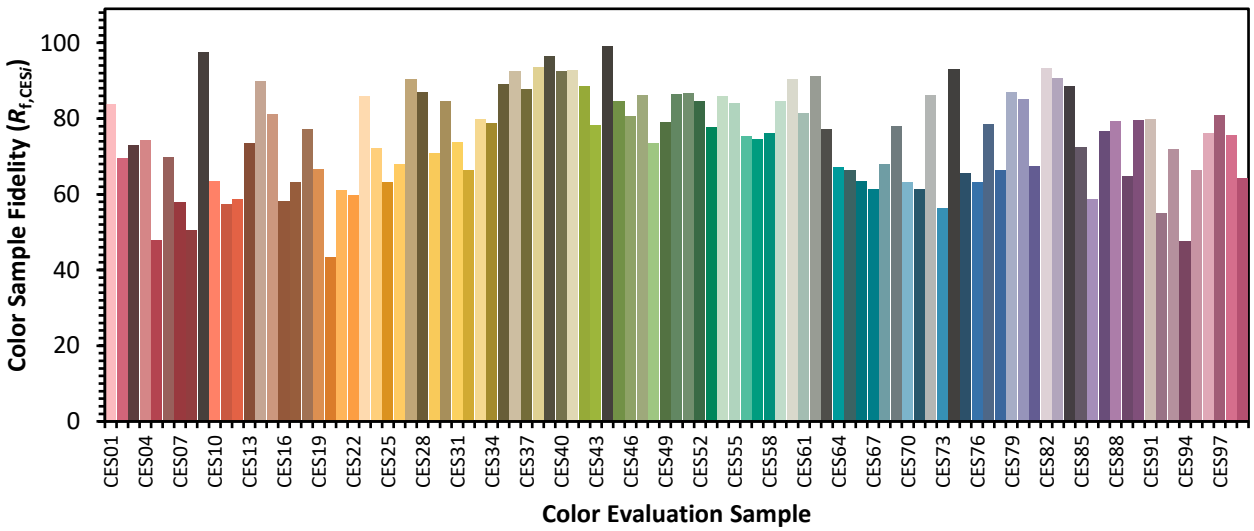
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 68	CES51 = 87	CES76 = 63
CES02 = 63	CES27 = 90	CES52 = 85	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 78	CES78 = 66
CES04 = 71	CES29 = 71	CES54 = 86	CES79 = 87
CES05 = 50	CES30 = 85	CES55 = 84	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 67
CES07 = 42	CES32 = 66	CES57 = 75	CES82 = 93
CES08 = 41	CES33 = 80	CES58 = 76	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 90	CES85 = 72
CES11 = 60	CES36 = 93	CES61 = 81	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 93	CES63 = 77	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 67	CES89 = 65
CES15 = 72	CES40 = 93	CES65 = 66	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 63	CES91 = 80
CES17 = 51	CES42 = 89	CES67 = 61	CES92 = 55
CES18 = 57	CES43 = 78	CES68 = 68	CES93 = 72
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 66
CES21 = 88	CES46 = 81	CES71 = 61	CES96 = 76
CES22 = 80	CES47 = 86	CES72 = 86	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 56	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 93	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	



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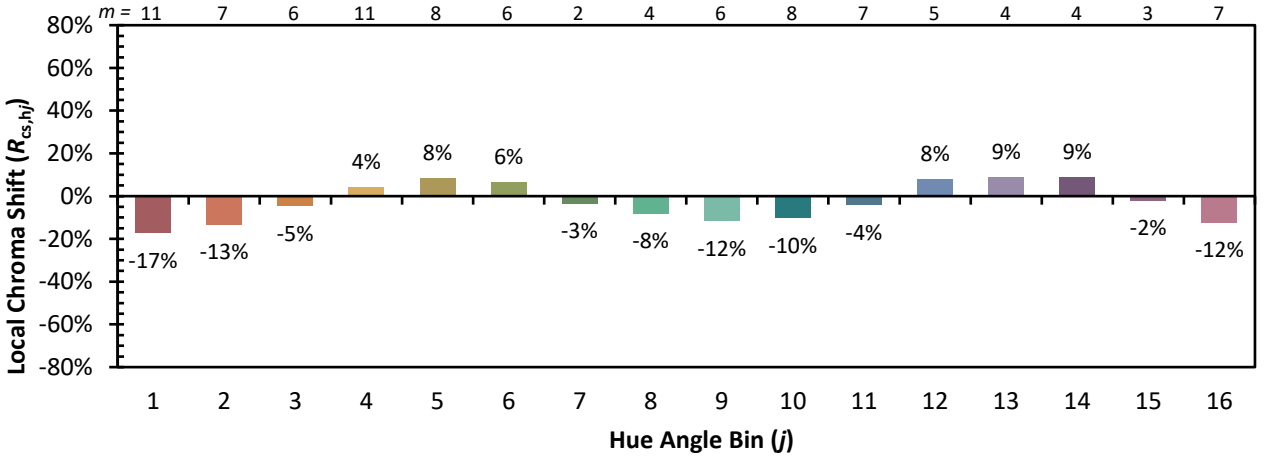
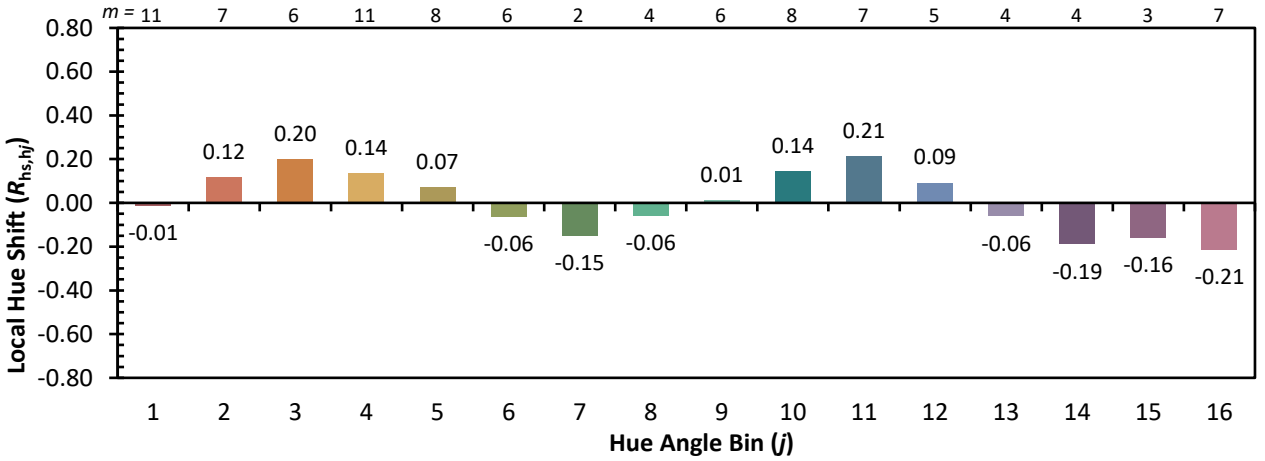
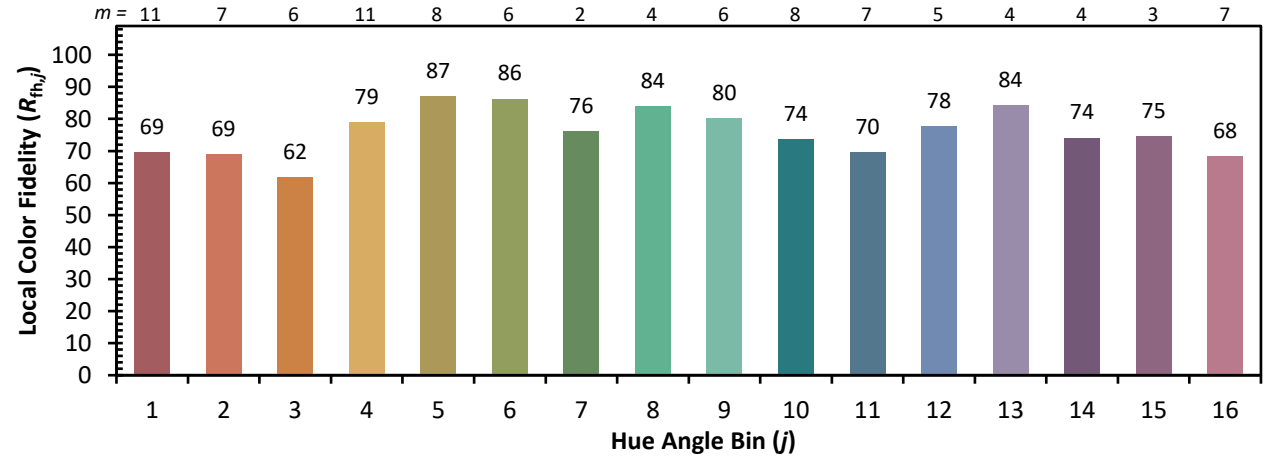
Color Rendition by Hue-Angle Bin







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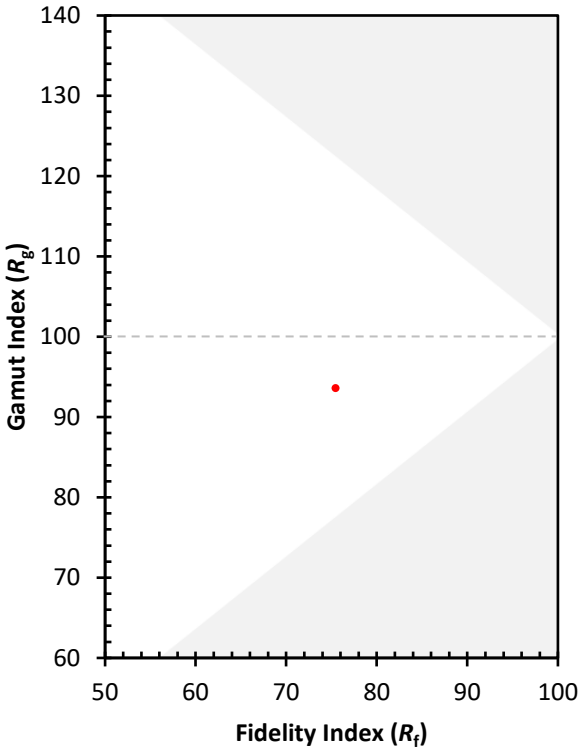
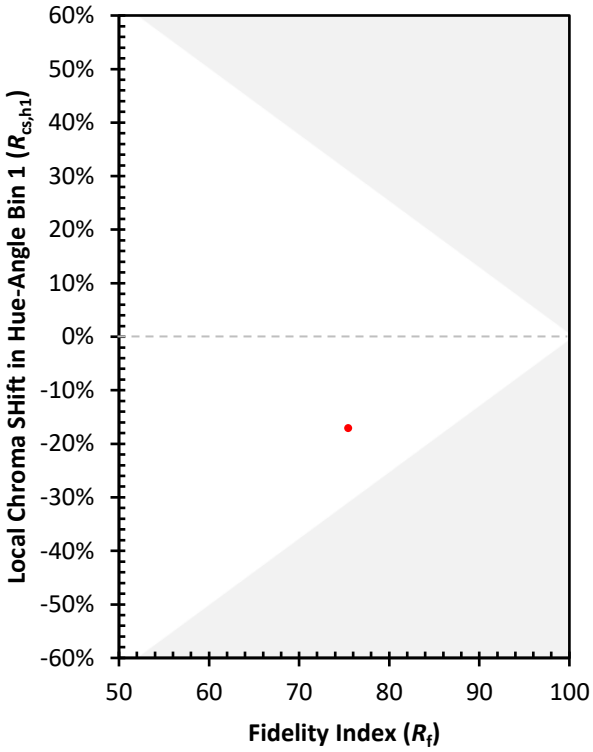
Measure Comparisons





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