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: P867494

Luminaire Tested: **MEM2-HTN-SA-90-750-U-T2R**

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:	P867494
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/21/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HTN-SA-90-750-U-T2R
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 90W 70CRI 5000K FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC
Light Source:	(20) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12741.4 lumens
Efficiency:	N/A
Efficacy:	141.6 lumens/watt
Luminous Opening:	Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification:	Type II - 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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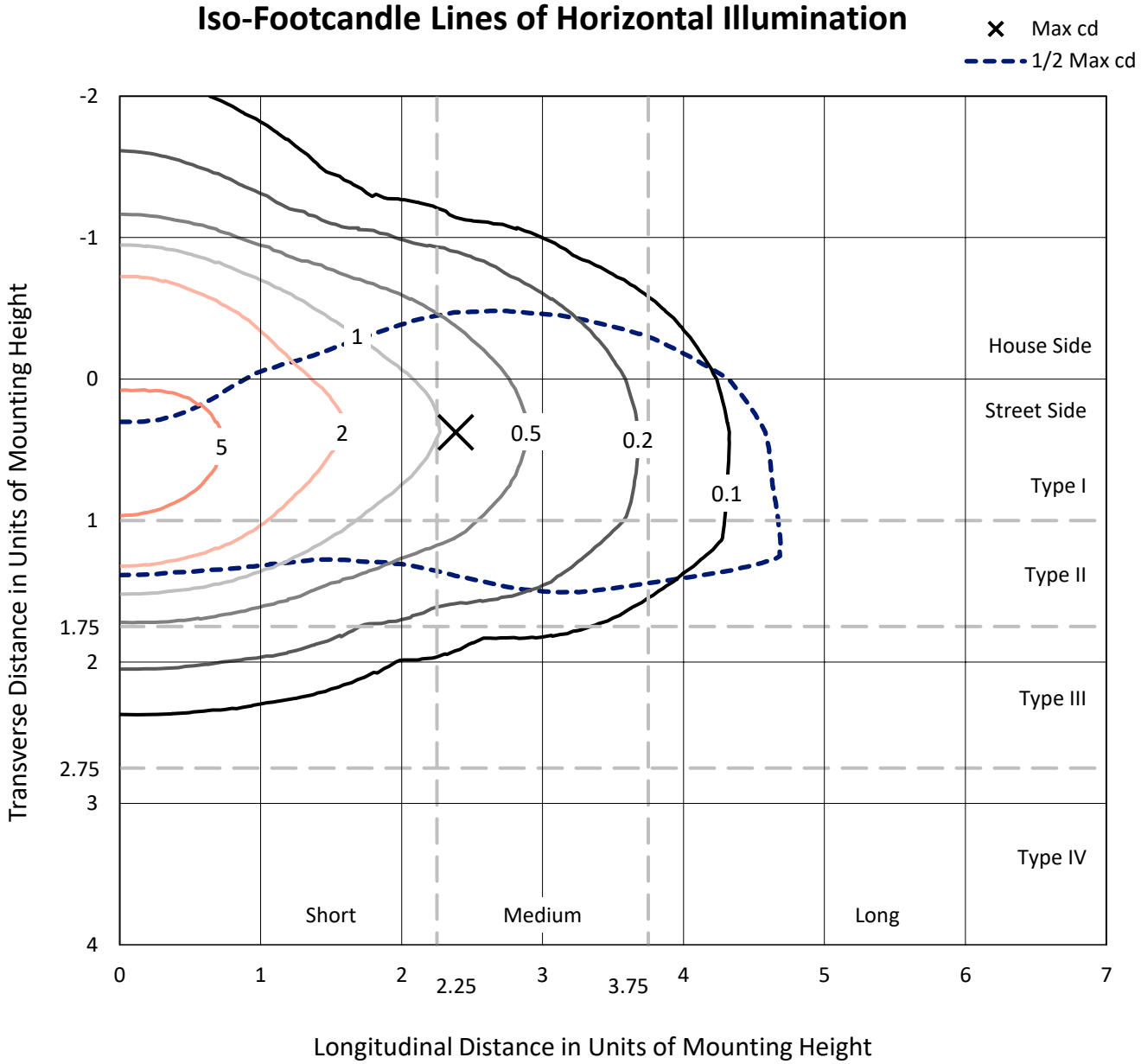
REPORT NUMBER: P867494
CATALOG NUMBER: MEM2-HTN-SA-90-750-U-T2R

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 8.1 fc
Type II - Medium - N/A

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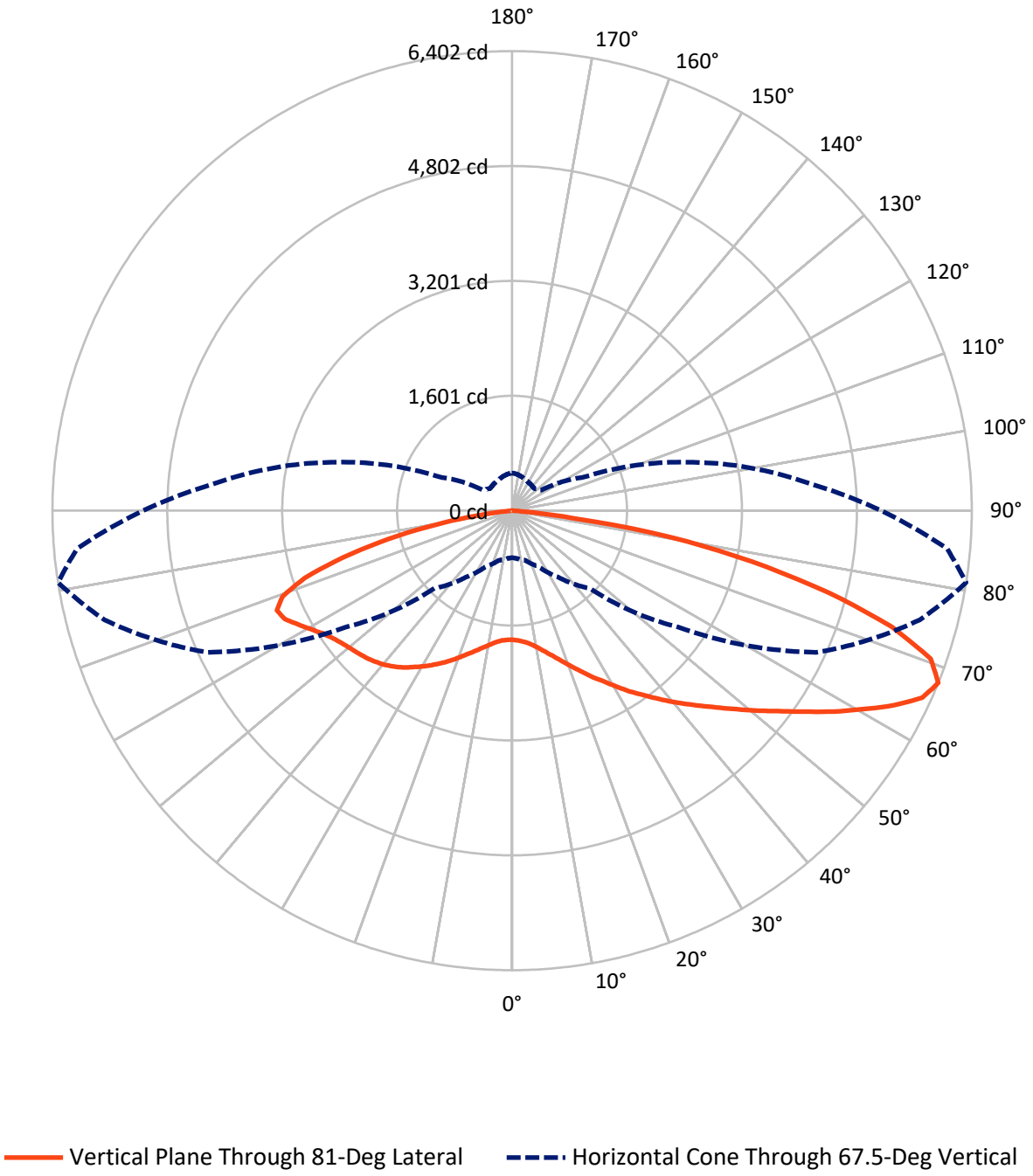
Luminous Intensity Polar Plot



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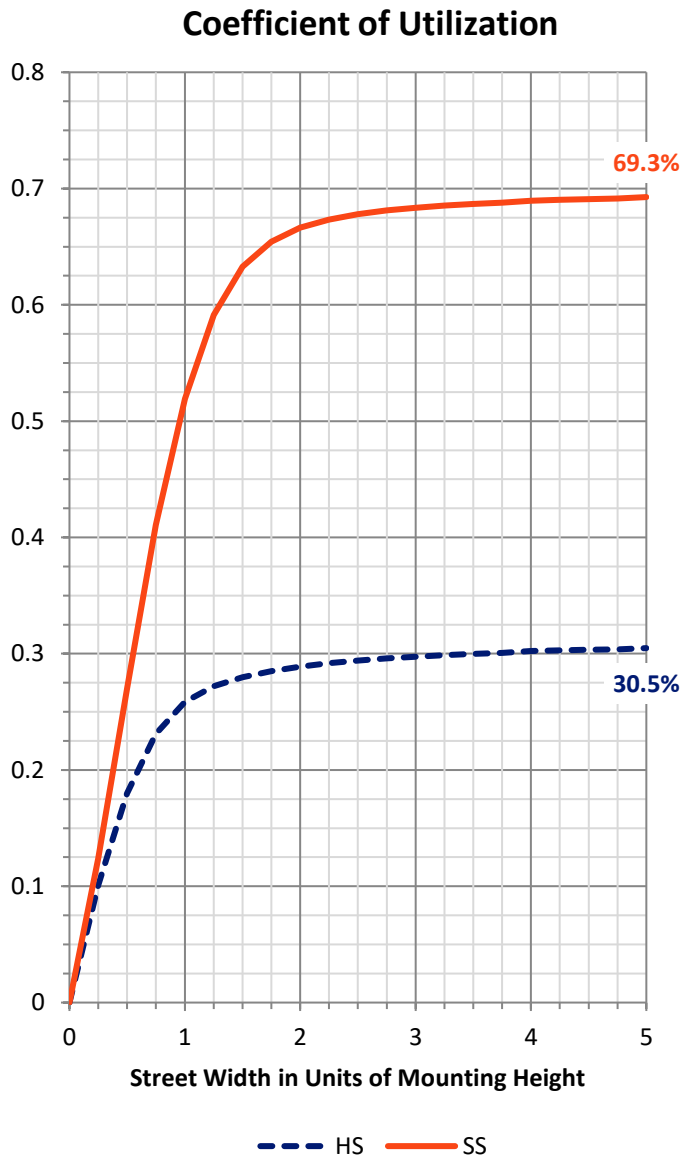
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3904.3	0.0	3904.3
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	8837.1	0.0	8837.1
	% Fixture	69.4	0.0	69.4
Total	Lumens	12741.4	0.0	12741.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.4	1.4
10°-20°	651.2	5.1
20°-30°	1296.9	10.2
30°-40°	2037.5	16.0
40°-50°	2526.9	19.8
50°-60°	2470.2	19.4
60°-70°	2077.3	16.3
70°-80°	1319.9	10.4
80°-90°	178.2	1.4
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°	12741.4	100.0
0°-180°	12741.4	100.0



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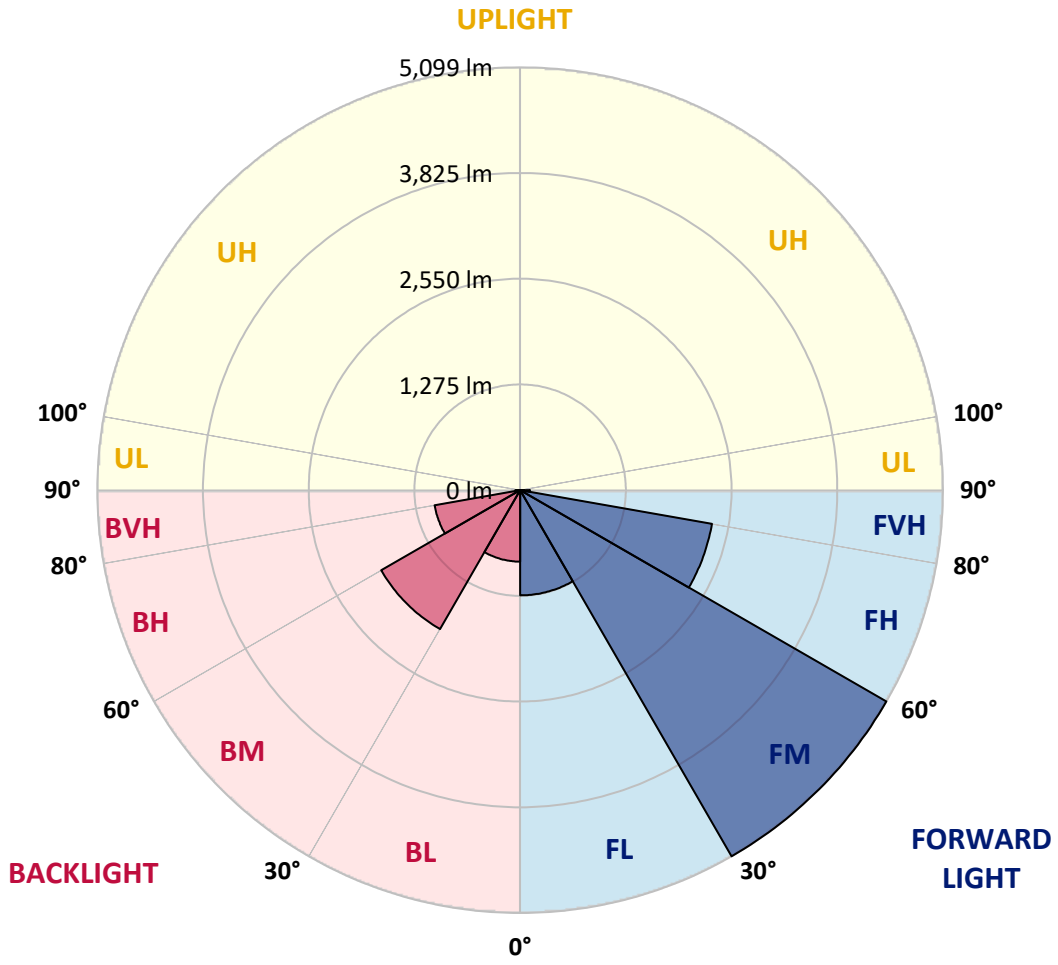
REPORT NUMBER: P867494
CATALOG NUMBER: MEM2-HTN-SA-90-750-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1269.1	10.0			
FM	(30°-60°)	5099.5	40.0			
FH	(60°-80°)	2349.1	18.4			G2/5000
FVH	(80°-90°)	119.4	0.9			G2/225
BL	(0°-30°)	862.4	6.8	B2/1000		
BM	(30°-60°)	1935.1	15.2	B2/2500		
BH	(60°-80°)	1048.0	8.2	B3/2500		G3/2500
BVH	(80°-90°)	58.8	0.5			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 II Medium



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REPORT NUMBER: P867494
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	*1798.9*	1798.9
2.5°	1862.0	1859.5	1859.5	1839.3	1839.3	1834.2	1836.8	1821.6	1814.0	*1811.5*	1809.0
5°	1995.9	1995.9	1980.8	1968.1	1942.9	1920.1	1899.9	1869.6	1846.9	*1836.8*	1829.2
7.5°	2198.0	2182.9	2177.8	2139.9	2086.9	2041.4	2001.0	1935.3	1892.3	*1877.2*	1867.1
10°	2445.6	2425.4	2387.5	2344.6	2276.4	2208.2	2127.3	2038.9	1968.1	*1937.8*	1925.2
12.5°	2700.8	2673.0	2620.0	2579.5	2491.1	2387.5	2273.8	2152.6	2054.0	*2011.1*	1988.3
15°	2981.3	2966.1	2902.9	2822.1	2718.5	2572.0	2430.5	2281.4	2155.1	*2094.5*	2056.6
17.5°	3284.4	3261.7	3193.5	3094.9	2948.4	2774.1	2609.9	2417.8	2271.3	*2193.0*	2150.0
20°	3582.6	3577.5	3476.4	3383.0	3211.2	2993.9	2781.7	2579.5	2395.1	*2304.2*	2248.6
22.5°	3916.1	3883.2	3794.8	3663.4	3458.8	3259.2	3009.0	2746.3	2529.0	*2422.9*	2359.7
25°	4262.2	4259.7	4151.0	3989.3	3749.3	3496.7	3226.3	2935.8	2688.2	*2559.3*	2476.0
27.5°	4691.7	4658.8	4519.9	4335.5	4057.5	3767.0	3453.7	3132.8	2839.8	*2685.7*	2584.6
30°	5068.1	5058.0	4901.4	4694.2	4383.5	4037.3	3698.8	3355.2	3019.2	*2837.2*	2726.1
32.5°	5373.8	5361.2	5227.3	5020.1	4686.6	4327.9	3938.8	3564.9	3198.5	*3001.5*	2854.9
35°	5629.0	5608.8	5469.8	5262.7	4974.7	4610.8	4196.5	3784.7	3395.6	*3155.6*	3016.6
37.5°	5730.1	5712.4	5598.7	5426.9	5161.6	4828.1	4428.9	4027.2	3592.7	*3329.9*	3173.3
40°	5692.2	5682.1	5601.2	5482.5	5280.4	5002.4	4651.3	4279.9	3815.0	*3514.3*	3327.4
42.5°	5512.8	5512.8	5462.3	5401.6	5300.6	5101.0	4848.3	4522.4	4029.7	*3698.8*	3473.9
45°	5260.1	5250.0	5232.4	5209.6	5194.5	5118.7	4977.2	4732.1	4267.2	*3900.9*	3650.8
47.5°	4924.1	4931.7	4919.1	4929.2	4992.3	5040.3	5032.8	4926.7	4509.8	*4123.2*	3825.1
50°	4396.1	4431.5	4471.9	4590.6	4719.5	4853.4	4977.2	5065.6	4795.3	*4375.9*	4027.2
52.5°	3741.7	3756.9	3865.5	4146.0	4421.4	4598.2	4833.2	5128.8	5047.9	*4638.6*	4264.7
55°	2935.8	2963.6	3127.8	3524.5	4014.6	4353.1	4628.5	5101.0	5305.6	*4939.3*	4542.6
57.5°	2104.6	2122.3	2385.0	2794.3	3433.5	4002.0	4396.1	4989.8	5512.8	*5280.4*	4828.1
60°	1495.7	1528.5	1697.8	2097.0	2710.9	3516.9	4183.9	4828.1	5704.8	*5613.9*	5202.0
62.5°	1104.1	1121.8	1240.5	1531.1	2036.3	2854.9	3908.5	4709.4	5831.1	*5972.6*	5576.0
65°	831.2	838.8	919.6	1119.2	1523.5	2104.6	3473.9	4686.6	5901.9	*6278.3*	5906.9
67.5°	*654.4*	*667.0*	*717.5*	*854.0*	*1134.4*	*1531.1*	*2829.7*	*4671.5*	*5876.6*	*6402.1*	*6081.3*
70°	550.8	553.3	591.2	667.0	848.9	1101.5	2114.7	4444.1	5735.1	*6184.8*	5919.6
72.5°	477.5	477.5	495.2	555.8	682.2	833.7	1440.1	3900.9	5376.4	*5525.4*	5358.7
75°	386.6	384.0	414.3	472.5	548.2	641.7	967.6	2953.5	4623.5	*4547.7*	4411.2
77.5°	336.0	333.5	358.8	409.3	452.2	512.9	661.9	1917.6	3638.1	*3410.8*	3324.9
80°	288.0	280.4	300.7	348.7	371.4	399.2	457.3	1116.7	2377.4	*2235.9*	2132.4
82.5°	217.3	199.6	194.5	235.0	250.1	232.4	232.4	391.6	864.1	*871.6*	805.9
85°	17.7	20.2	25.3	30.3	43.0	48.0	50.5	83.4	128.9	*123.8*	126.3
87.5°	2.5	2.5	2.5	5.1	5.1	7.6	7.6	7.6	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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Scaled Data Report

REPORT NUMBER: P867494
CATALOG NUMBER: MEM2-HTN-SA-90-750-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9
2.5°	1806.4	1801.4	1796.3	1796.3	1796.3	1791.3	1788.8	1788.8	1786.2	1778.6	1776.1
5°	1824.1	1816.5	1809.0	1809.0	1809.0	1806.4	1803.9	1806.4	1803.9	1796.3	1793.8
7.5°	1859.5	1849.4	1839.3	1839.3	1844.3	1841.8	1841.8	1844.3	1841.8	1834.2	1831.7
10°	1910.0	1894.9	1889.8	1889.8	1894.9	1892.3	1889.8	1889.8	1887.3	1874.7	1879.7
12.5°	1965.6	1950.4	1945.4	1947.9	1945.4	1940.3	1942.9	1935.3	1932.8	1912.6	1910.0
15°	2036.3	2018.7	2008.6	2011.1	2003.5	1993.4	1983.3	1978.2	1968.1	1950.4	1945.4
17.5°	2117.2	2089.4	2076.8	2076.8	2061.6	2041.4	2026.2	2011.1	1995.9	1975.7	1970.7
20°	2195.5	2170.3	2150.0	2145.0	2114.7	2081.8	2054.0	2028.8	2011.1	1988.3	1983.3
22.5°	2294.1	2258.7	2230.9	2208.2	2162.7	2109.6	2066.7	2031.3	2006.0	1980.8	1973.2
25°	2397.6	2347.1	2301.6	2258.7	2195.5	2119.7	2059.1	2008.6	1975.7	1947.9	1942.9
27.5°	2501.2	2435.5	2369.8	2301.6	2205.6	2107.1	2021.2	1960.6	1917.6	1882.2	1877.2
30°	2612.4	2531.5	2428.0	2329.4	2203.1	2074.2	1965.6	1879.7	1829.2	1788.8	1783.7
32.5°	2726.1	2625.0	2483.5	2349.6	2190.5	2026.2	1884.8	1793.8	1730.6	1685.2	1672.5
35°	2852.4	2728.6	2534.1	2357.2	2155.1	1955.5	1798.9	1685.2	1611.9	1566.4	1556.3
37.5°	2981.3	2824.6	2566.9	2352.2	2104.6	1872.1	1687.7	1571.5	1485.6	1422.4	1412.3
40°	3112.6	2913.0	2587.1	2326.9	2033.8	1768.5	1584.1	1442.6	1318.8	1260.7	1232.9
42.5°	3233.9	2993.9	2597.2	2291.5	1955.5	1659.9	1447.7	1263.2	1147.0	1083.9	1096.5
45°	3360.2	3069.7	2599.8	2248.6	1851.9	1520.9	1275.9	1104.1	987.9	939.9	934.8
47.5°	3468.9	3132.8	2594.7	2187.9	1735.7	1361.8	1096.5	932.3	846.4	800.9	795.8
50°	3612.9	3203.6	2587.1	2117.2	1584.1	1179.9	929.7	795.8	717.5	682.2	679.6
52.5°	3756.9	3281.9	2582.1	2018.7	1424.9	1008.1	778.2	672.0	619.0	601.3	596.3
55°	3946.4	3377.9	2584.6	1905.0	1243.0	831.2	659.4	586.1	558.4	550.8	550.8
57.5°	4163.7	3501.7	2599.8	1778.6	1053.5	687.2	573.5	540.7	538.1	543.2	545.7
60°	4426.4	3665.9	2630.1	1647.3	879.2	581.1	523.0	520.5	528.0	545.7	550.8
62.5°	4722.0	3845.3	2668.0	1475.5	712.5	510.4	495.2	505.3	515.4	535.6	538.1
65°	4982.2	4047.4	2690.7	1311.2	596.3	469.9	477.5	482.6	507.8	535.6	535.6
67.5°	*5138.9*	*4194.0*	*2604.8*	*1104.1*	*497.7*	*434.6*	*449.7*	*464.9*	*492.7*	*517.9*	*523.0*
70°	5085.8	4146.0	2311.7	856.5	421.9	401.7	419.4	442.1	469.9	500.2	515.4
72.5°	4717.0	3804.9	1877.2	624.0	366.3	371.4	394.1	424.5	449.7	482.6	502.8
75°	3943.8	3175.8	1354.2	449.7	320.9	341.1	376.4	401.7	419.4	427.0	429.5
77.5°	2993.9	2334.5	922.2	336.0	277.9	305.7	343.6	371.4	376.4	381.5	386.6
80°	1955.5	1485.6	520.5	235.0	212.2	250.1	280.4	310.8	300.7	315.8	320.9
82.5°	826.2	649.3	237.5	116.2	98.5	106.1	113.7	101.1	93.5	93.5	80.8
85°	108.6	83.4	35.4	15.2	12.6	7.6	7.6	7.6	5.1	5.1	5.1
87.5°	10.1	10.1	7.6	7.6	5.1	5.1	2.5	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-30-750-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-30-750-U-5WQ-2

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

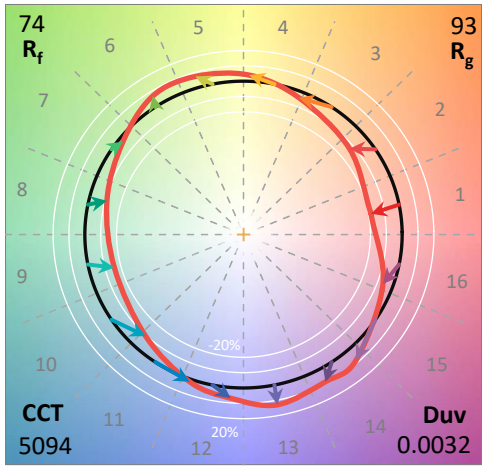
Test Information

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-30-750-U-5WQ-2**
Description:	Epic Modern Light Square 30W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	5094
CIE u':	0.2082
CIE v':	0.4867
Duv:	0.0032
CIE x:	0.3430
CIE y:	0.3564
CIE z:	0.3006
Peak Wavelength (nm):	451
Dominant Wavelength (nm):	568
Purity:	9.86439
Rf:	73.7
Rg:	93

CRI (Ra):	72.0
R1:	68.6
R2:	78.1
R3:	84.6
R4:	71.6
R5:	69.6
R6:	69.4
R7:	80.9
R8:	53.1
R9:	-39.6
R10:	47.6
R11:	68.2
R12:	41.4
R13:	70.4
R14:	91.4
R15:	61.4



Test Conditions

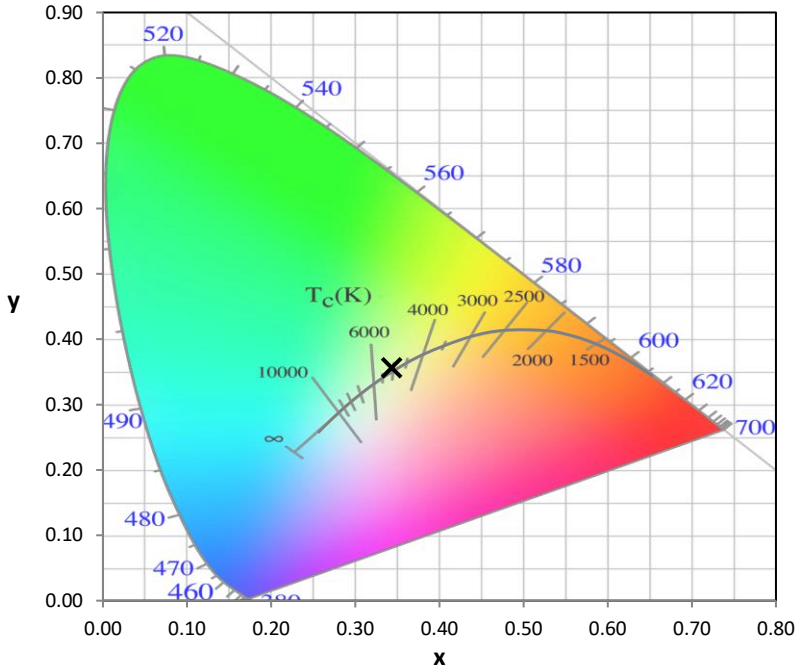
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-6

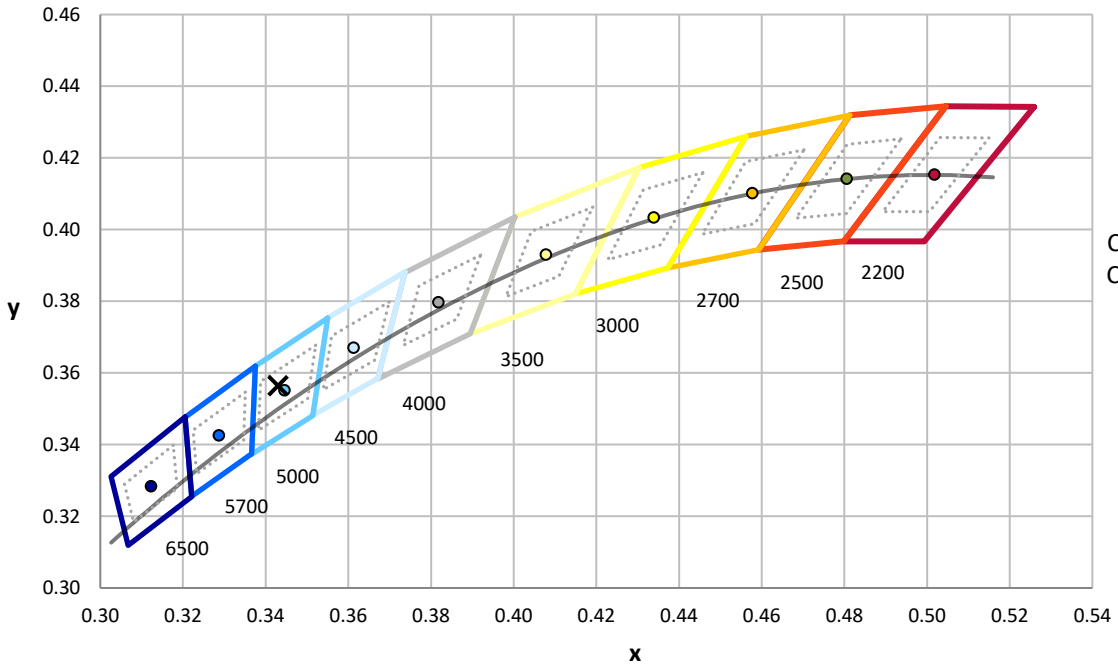
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

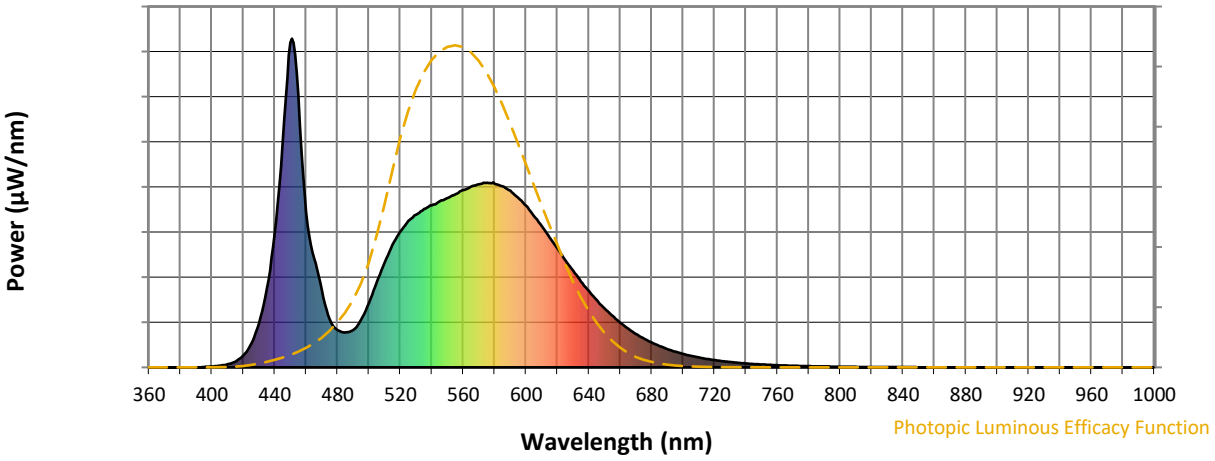


CCT = 5094K
CIE x = 0.3430
CIE y = 0.3564
Duv = 0.0032

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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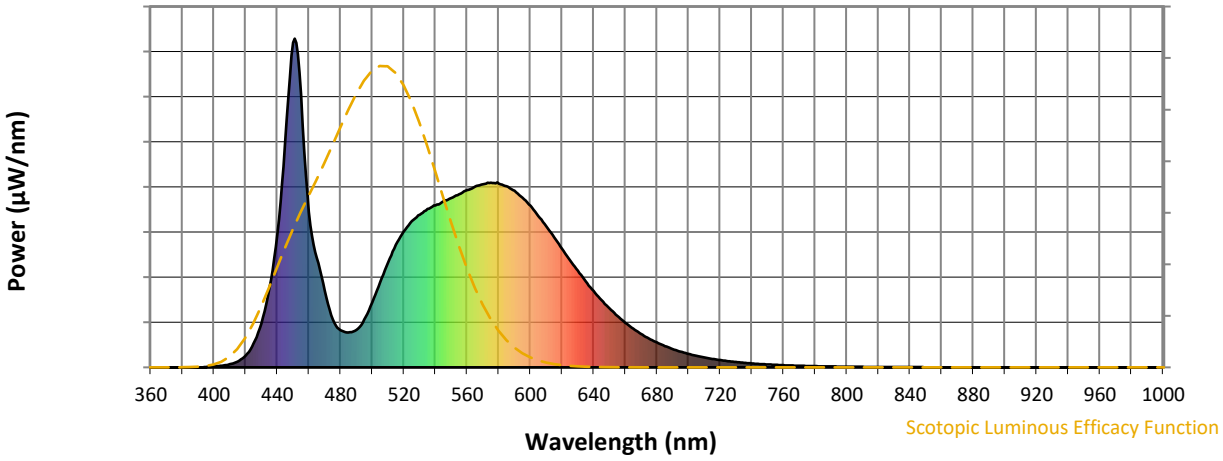
Scotopic Flux vs. Wavelength



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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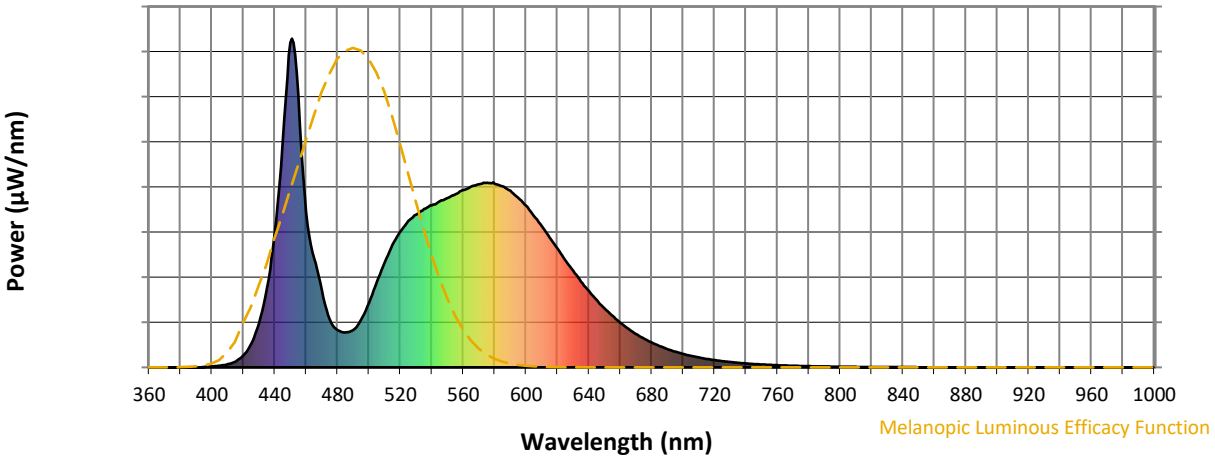
Melanopic Flux vs. Wavelength



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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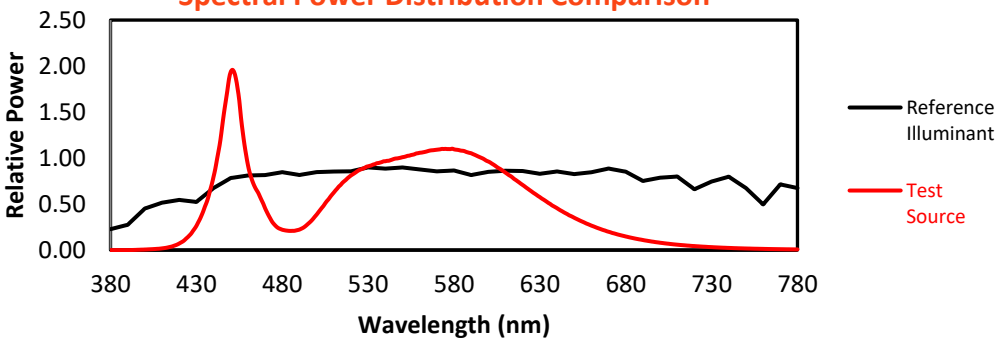
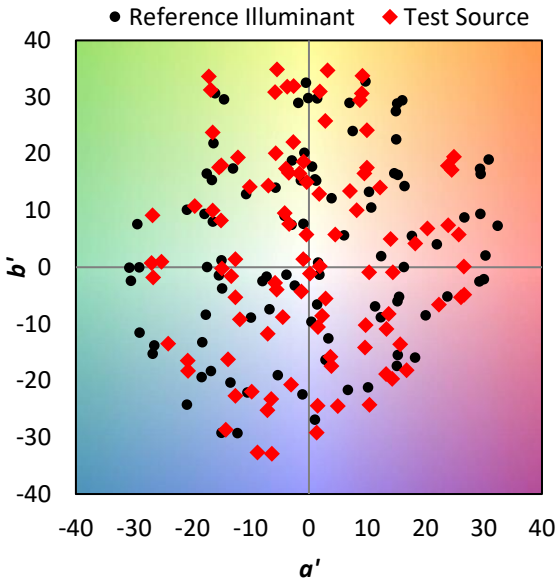
Summary

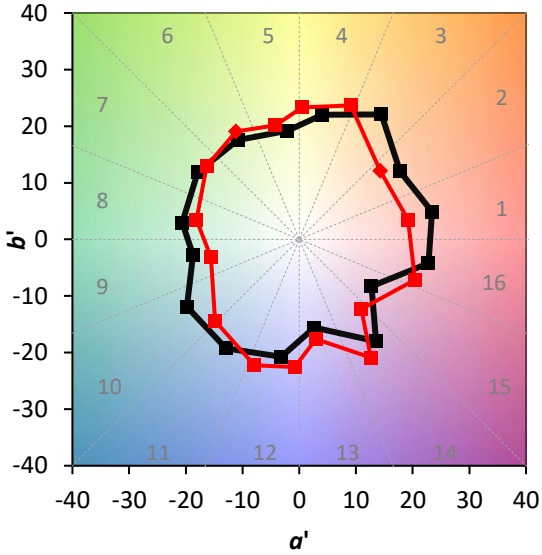
R_f = 73.7
R_g = 93
CIE R_a = 72.0
R_9 = -39.6

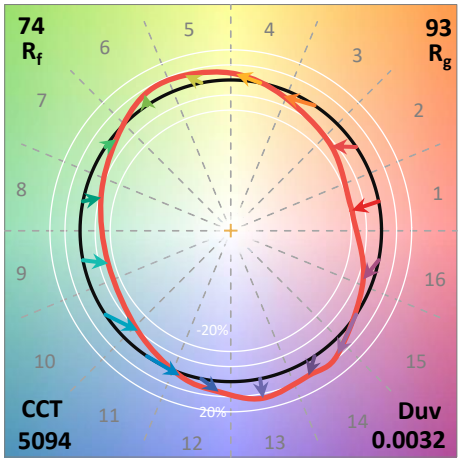
Spectral Power Distribution Comparison

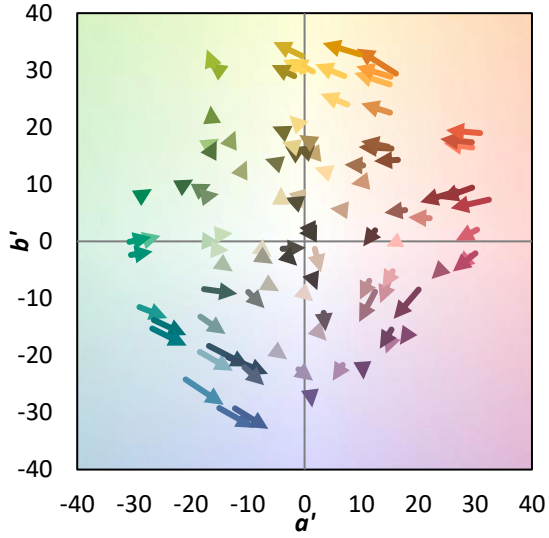


Color Vector Graphics









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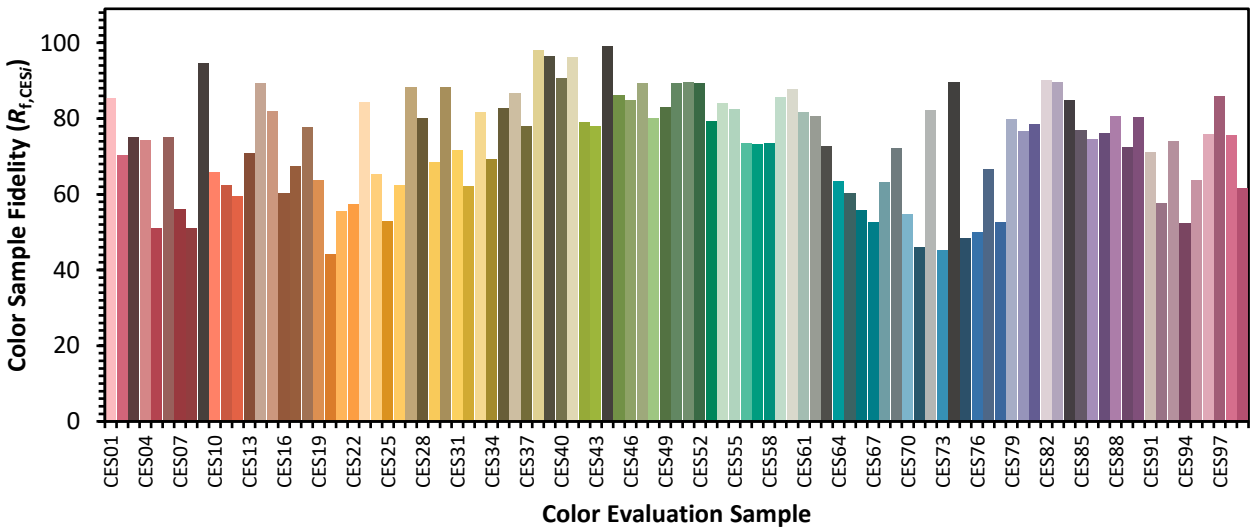
Individual Sample Fidelity Index ($R_{f,i}$)

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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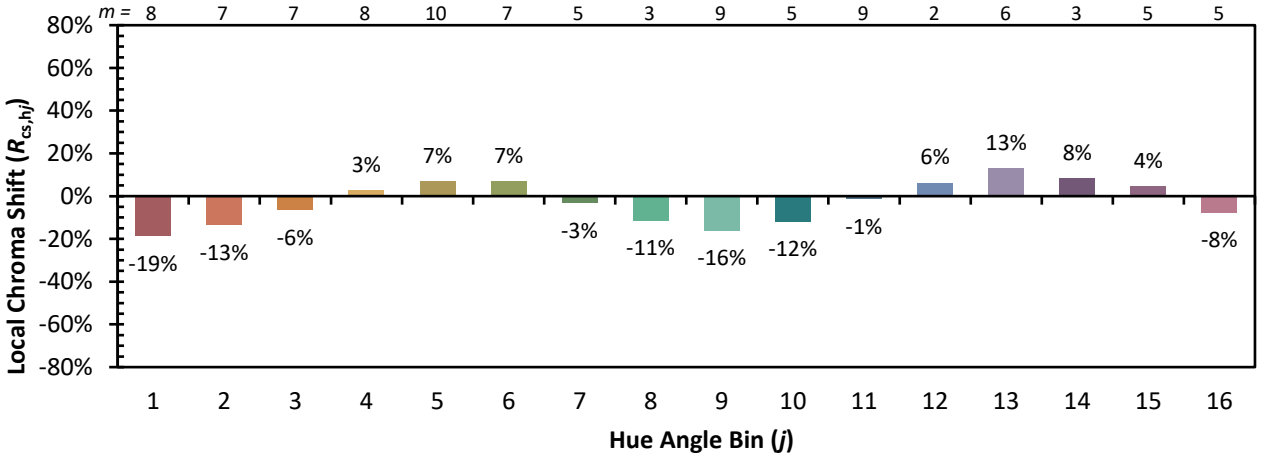
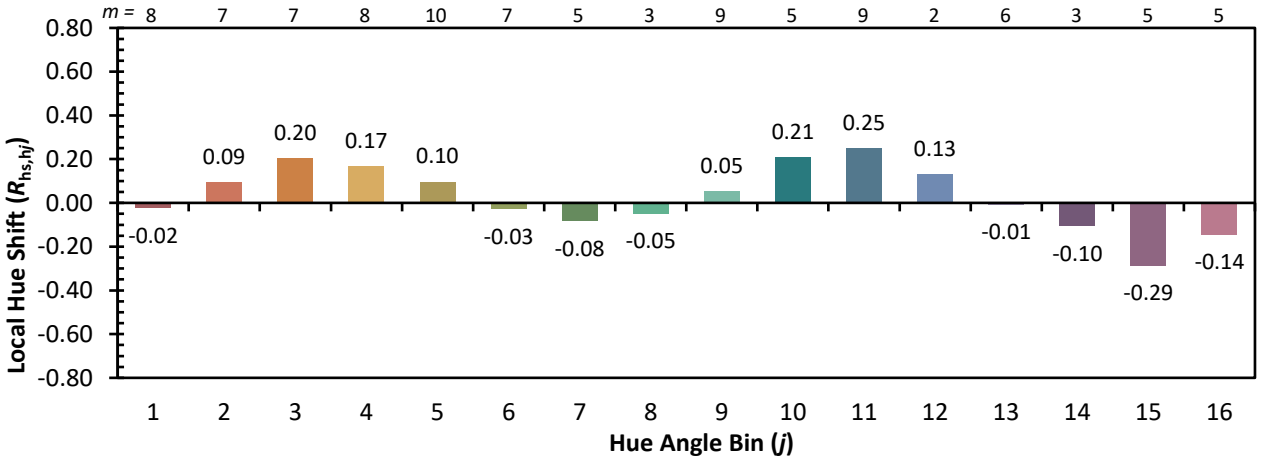
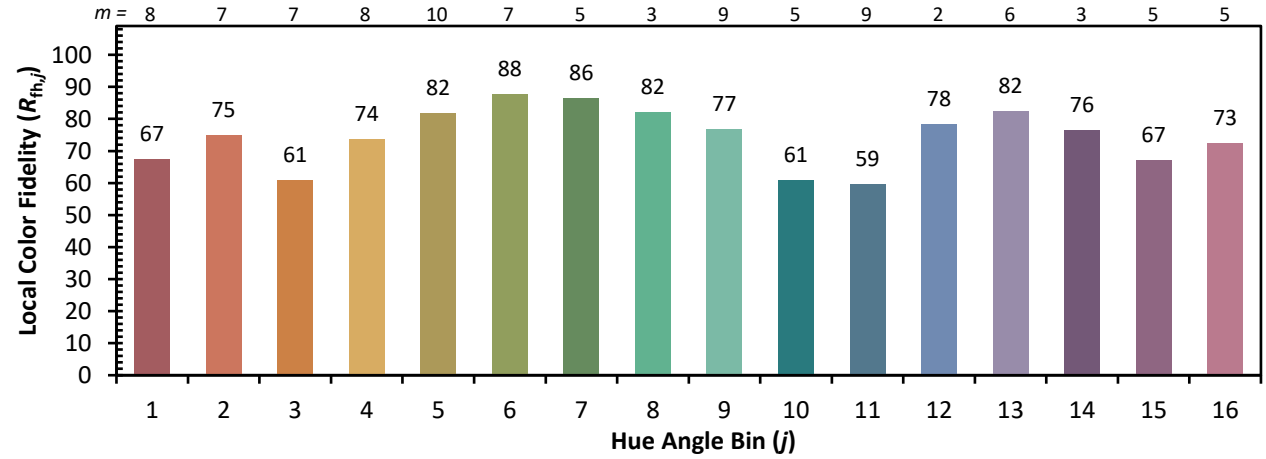
Color Rendition by Hue-Angle Bin







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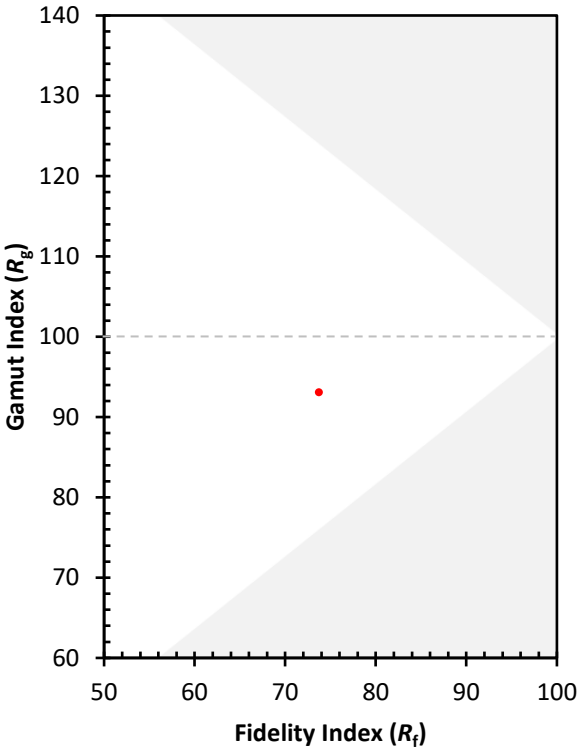
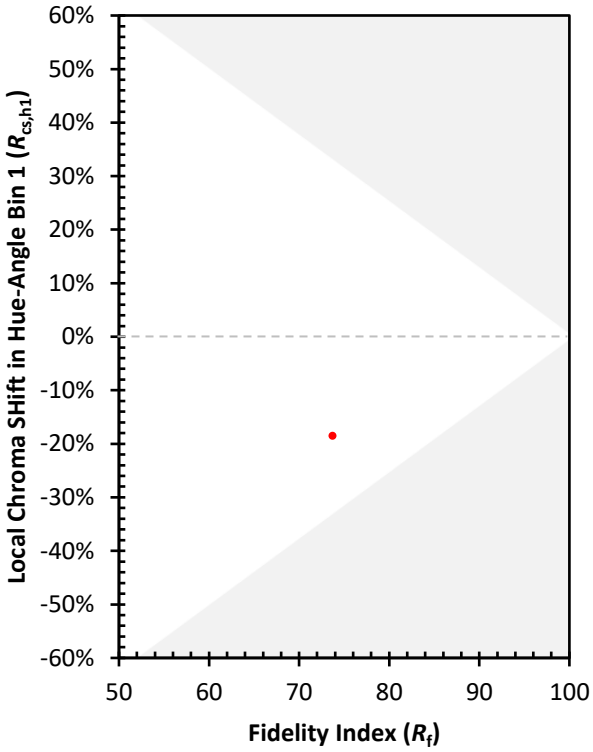
Measure Comparisons





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