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: P867595

Luminaire Tested: **MEM2-HTN-SA-150-740-U-T2U-HSS**

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:	P867595
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/21/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HTN-SA-150-740-U-T2U-HSS
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 150W 70CRI 4000K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source:	(30) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12927.4 lumens
Efficiency:	N/A
Efficacy:	96.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.33' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

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: P867595
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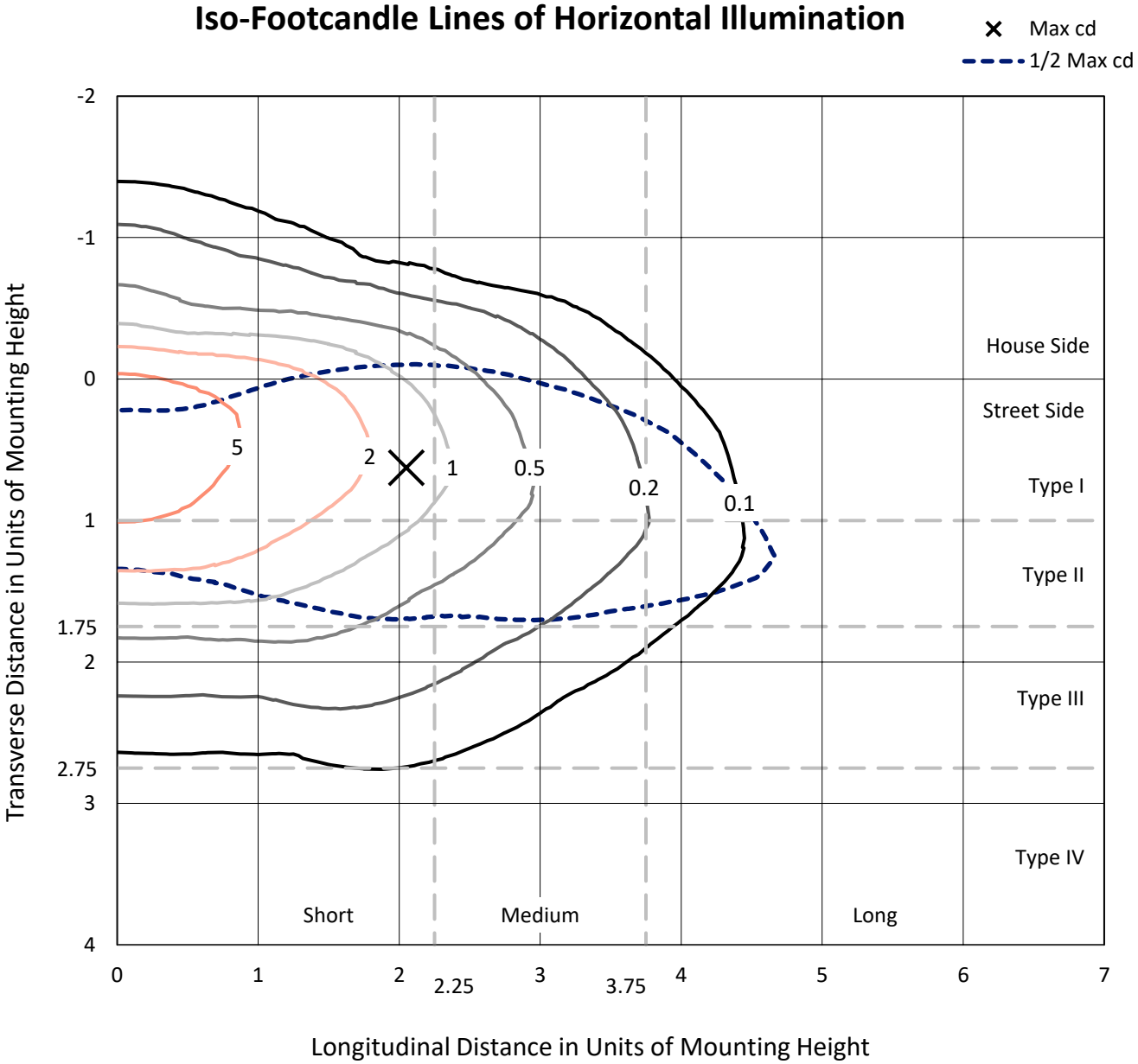
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 9.3 fc
Type II - Short - N/A

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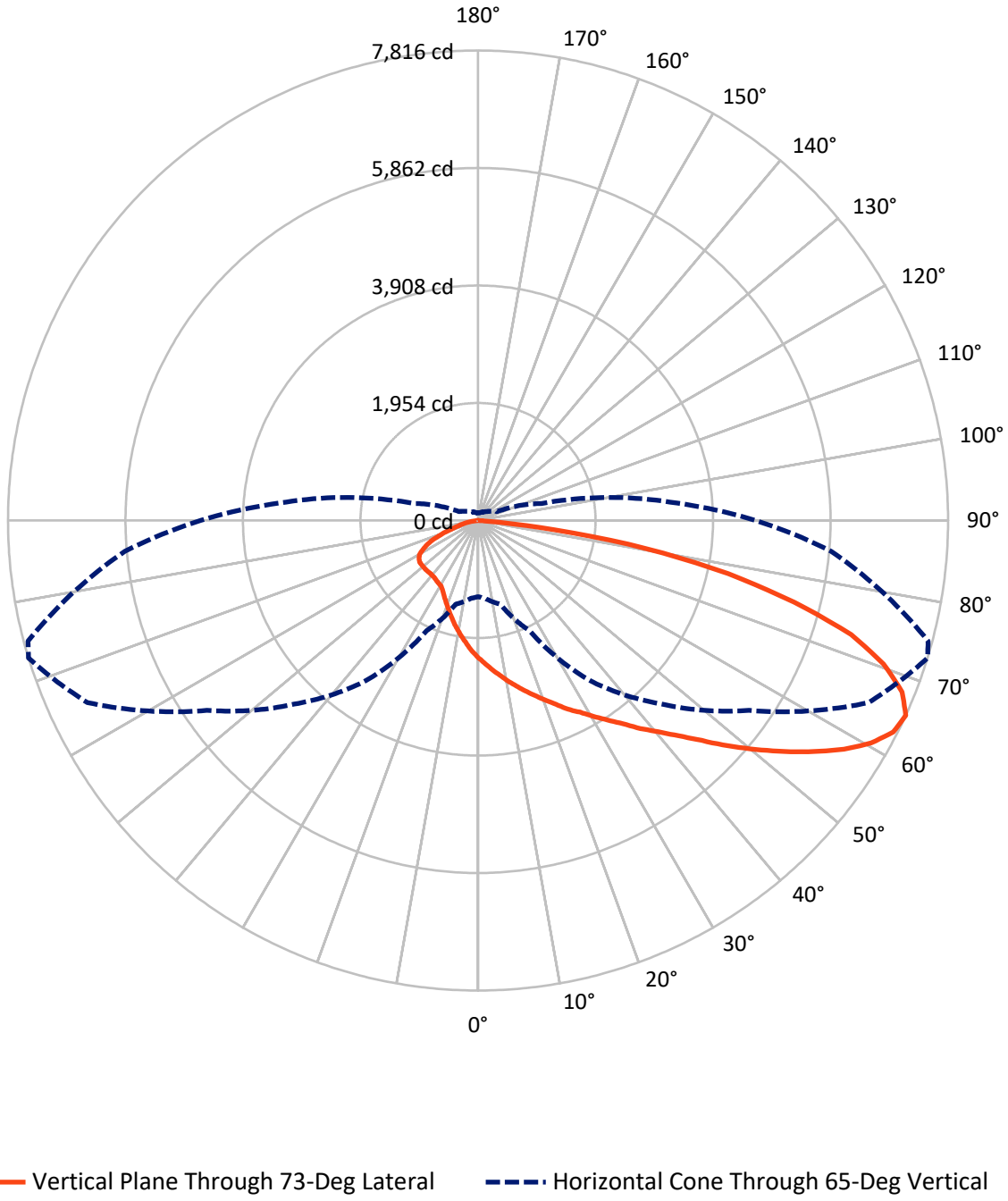
Luminous Intensity Polar Plot



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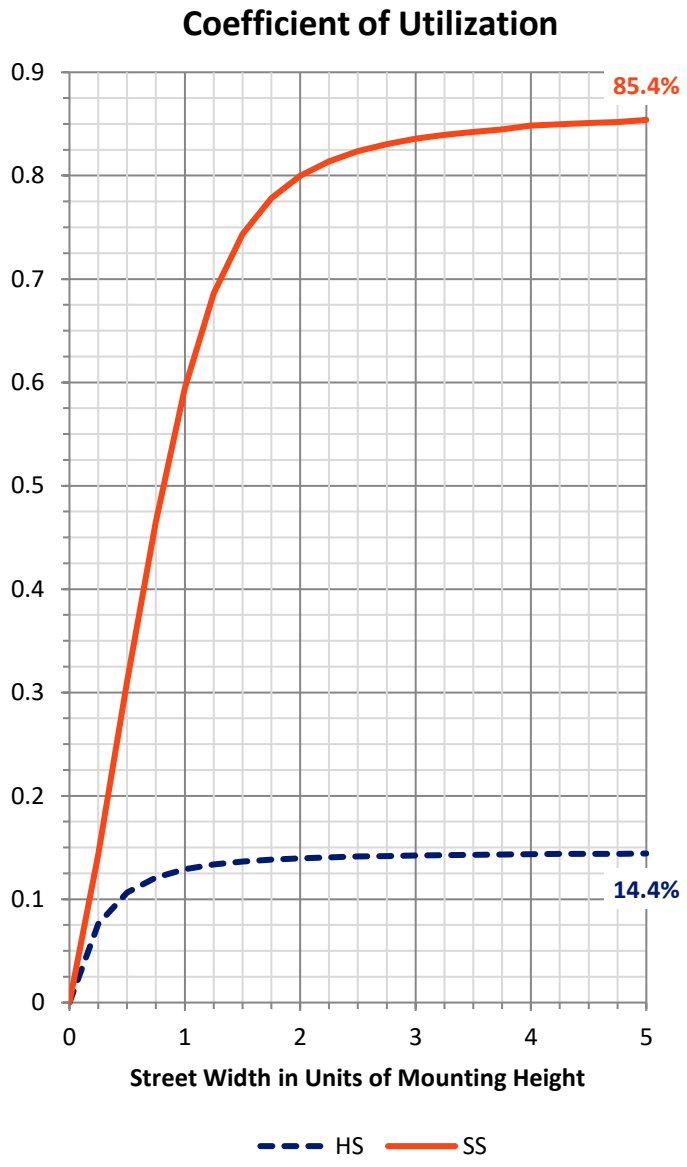
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1879.8	0.0	1879.8
	% Fixture	14.5	0.0	14.5
Street Side	Lumens	11047.5	0.0	11047.5
	% Fixture	85.5	0.0	85.5
Total	Lumens	12927.4	0.0	12927.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.4	1.7
10°-20°	672.8	5.2
20°-30°	1126.7	8.7
30°-40°	1699.6	13.1
40°-50°	2401.5	18.6
50°-60°	2702.2	20.9
60°-70°	2423.1	18.7
70°-80°	1473.8	11.4
80°-90°	206.2	1.6
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°	12927.4	100.0
0°-180°	12927.4	100.0



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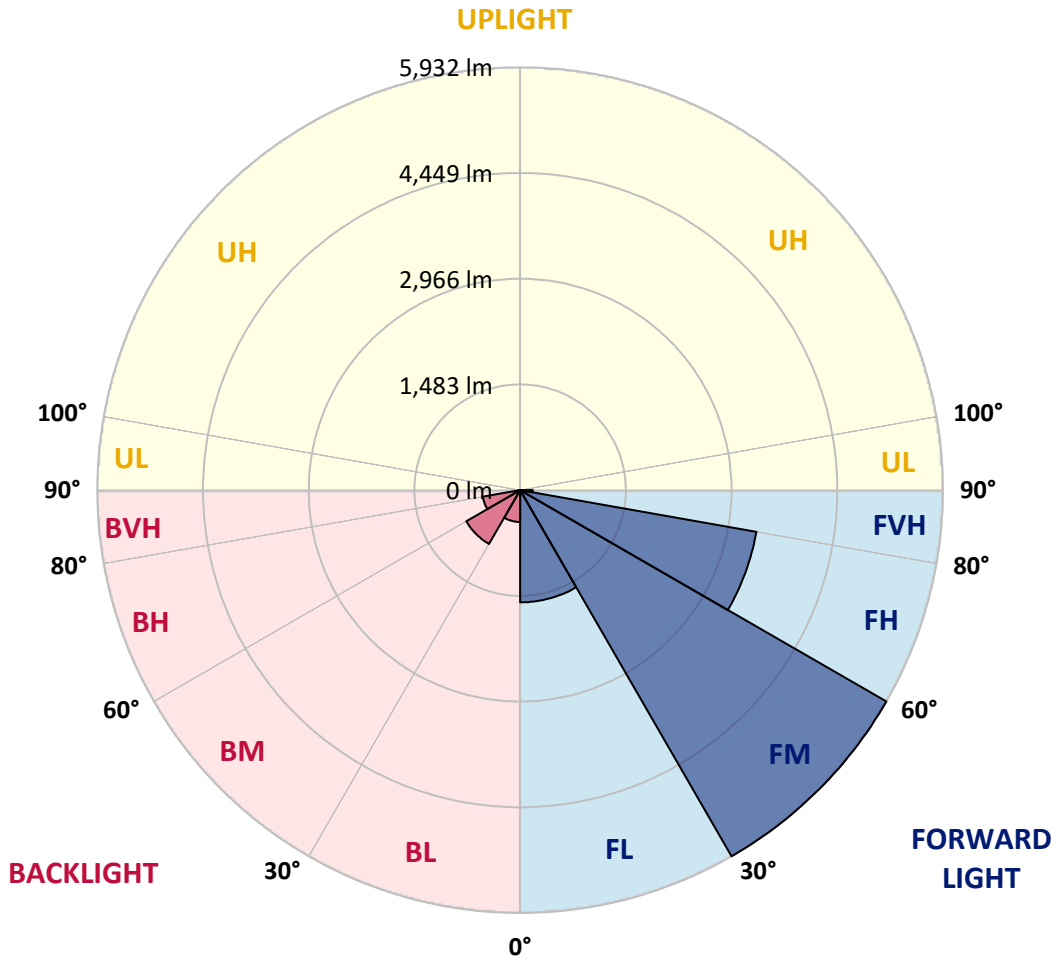
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1574.3	12.2			
FM	(30°-60°)	5931.6	45.9			
FH	(60°-80°)	3364.4	26.0			G2/5000
FVH	(80°-90°)	177.2	1.4			G2/225
BL	(0°-30°)	446.6	3.5	B1/500		
BM	(30°-60°)	871.7	6.7	B1/1000		
BH	(60°-80°)	532.5	4.1	B2/1000		G2/1000
BVH	(80°-90°)	29.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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REPORT NUMBER: P867595
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	*2293.3*	2293.3	2293.3
2.5°	2647.0	2631.8	2609.0	2590.0	2555.8	2510.1	2472.1	2422.6	*2388.4*	2377.0	2327.6
5°	3031.2	3012.1	2985.5	2939.9	2848.6	2795.4	2696.5	2582.4	*2491.1*	2472.1	2358.0
7.5°	3426.7	3419.1	3358.2	3289.8	3179.5	3061.6	2909.5	2730.7	*2597.6*	2567.2	2392.2
10°	3761.4	3727.2	3692.9	3628.3	3510.4	3343.0	3145.3	2898.1	*2711.7*	2662.3	2426.5
12.5°	3963.0	3951.5	3921.1	3845.1	3731.0	3586.4	3350.6	3061.6	*2822.0*	2753.5	2460.7
15°	4111.3	4122.7	4092.3	4042.8	3924.9	3788.0	3559.8	3232.7	*2939.9*	2860.0	2498.7
17.5°	4252.0	4244.4	4240.6	4183.5	4077.0	3940.1	3708.1	3373.5	*3057.8*	2970.3	2536.7
20°	4331.9	4335.7	4328.1	4305.2	4202.6	4069.4	3852.7	3540.8	*3187.1*	3088.2	2586.2
22.5°	4373.7	4388.9	4404.1	4400.3	4316.7	4214.0	3989.6	3673.9	*3320.2*	3217.5	2647.0
25°	4400.3	4411.7	4446.0	4491.6	4415.5	4331.9	4141.7	3833.6	*3476.1*	3358.2	2719.3
27.5°	4423.1	4438.4	4480.2	4548.6	4487.8	4438.4	4274.8	3970.6	*3609.3*	3502.8	2803.0
30°	4571.5	4590.5	4590.5	4624.7	4556.3	4544.8	4423.1	4134.1	*3776.6*	3662.5	2909.5
32.5°	4963.2	4925.2	4856.7	4822.5	4658.9	4662.7	4567.7	4297.6	*3955.3*	3841.3	3042.6
35°	5301.7	5301.7	5218.0	5107.7	4845.3	4792.1	4735.0	4514.4	*4149.3*	4039.0	3217.5
37.5°	5628.8	5632.6	5545.1	5450.0	5149.6	4959.4	4929.0	4723.6	*4388.9*	4259.6	3400.1
40°	5834.1	5857.0	5834.1	5761.9	5472.8	5252.2	5119.1	4959.4	*4617.1*	4518.2	3609.3
42.5°	5868.4	5914.0	5997.7	6020.5	5708.6	5514.7	5362.5	5202.8	*4890.9*	4780.6	3848.9
45°	5780.9	5796.1	5982.5	6009.1	5883.6	5723.8	5621.2	5488.0	*5218.0*	5122.9	4115.1
47.5°	5541.3	5510.9	5575.5	5807.5	5857.0	5849.3	5876.0	5811.3	*5598.3*	5476.6	4407.9
50°	5027.9	5039.3	5248.4	5529.9	5701.0	5895.0	6066.1	6138.4	*5982.5*	5860.8	4723.6
52.5°	4092.3	4145.5	4544.8	5210.4	5507.1	5864.6	6203.0	6446.5	*6381.8*	6263.9	5035.5
55°	3362.0	3441.9	3841.3	4697.0	5240.8	5716.2	6282.9	6769.7	*6781.1*	6689.9	5320.7
57.5°	2631.8	2696.5	3118.6	3902.1	4860.5	5484.2	6294.3	7047.4	*7176.7*	7070.2	5571.7
60°	2061.3	2107.0	2354.2	3251.8	4392.7	5153.4	6210.7	7267.9	*7511.4*	7431.5	5788.5
62.5°	1563.1	1597.4	1817.9	2571.0	3818.4	4765.4	5929.2	7347.8	*7747.2*	7671.1	5910.2
65°	*1266.5*	*1296.9*	*1441.4*	*2019.5*	*3251.8*	*4316.7*	*5503.3*	*7165.3*	*7815.6*	*7747.2*	*5895.0*
67.5°	1034.5	1045.9	1163.8	1574.5	2749.7	3810.8	4879.5	6689.9	*7606.4*	7602.6	5720.0
70°	836.7	867.1	966.0	1255.1	2285.7	3228.9	4153.1	5944.4	*7153.9*	7191.9	5370.1
72.5°	711.2	718.8	806.3	1038.3	1863.6	2620.4	3438.1	5084.9	*6488.3*	6518.7	4822.5
75°	600.9	612.3	677.0	840.5	1513.7	2080.4	2764.9	4107.5	*5431.0*	5560.3	4061.8
77.5°	517.2	521.0	566.7	692.2	1076.3	1563.1	2027.1	3080.6	*4252.0*	4343.3	3190.9
80°	406.9	414.6	464.0	547.7	749.2	1015.5	1399.6	2107.0	*2841.0*	2943.7	2209.7
82.5°	190.2	213.0	224.4	300.5	391.7	502.0	661.8	878.5	*1285.5*	1281.7	1030.7
85°	19.0	15.2	15.2	22.8	34.2	34.2	41.8	49.4	*98.9*	117.9	91.3
87.5°	0.0	0.0	0.0	3.8	7.6	7.6	7.6	11.4	*11.4*	11.4	11.4
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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Scaled Data Report

REPORT NUMBER: P867595
CATALOG NUMBER: MEM2-HTN-SA-150-740-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3
2.5°	2304.8	2270.5	2209.7	2152.6	2114.6	2084.2	2034.7	2004.3	1981.5	1951.1	1947.2
5°	2297.1	2236.3	2114.6	2011.9	1913.0	1829.3	1741.9	1688.6	1631.6	1605.0	1627.8
7.5°	2304.8	2205.9	2015.7	1859.8	1711.4	1578.3	1464.2	1392.0	1338.7	1312.1	1315.9
10°	2308.6	2179.2	1932.0	1715.3	1525.1	1369.2	1239.8	1141.0	1076.3	1061.1	1042.1
12.5°	2300.9	2145.0	1848.4	1574.5	1346.3	1175.2	1023.1	947.0	882.3	851.9	851.9
15°	2308.6	2118.4	1760.9	1445.2	1186.6	988.8	859.5	775.9	737.8	711.2	715.0
17.5°	2308.6	2095.6	1677.2	1319.7	1030.7	848.1	730.2	661.8	623.7	608.5	604.7
20°	2335.2	2076.6	1597.4	1201.8	893.8	722.6	627.5	574.3	543.9	528.6	521.0
22.5°	2354.2	2061.3	1525.1	1087.7	779.7	631.3	551.5	502.0	479.2	471.6	471.6
25°	2388.4	2057.5	1460.4	977.4	688.4	562.9	490.6	452.6	433.6	426.0	426.0
27.5°	2437.9	2065.1	1399.6	882.3	619.9	494.4	441.2	410.7	399.3	395.5	391.7
30°	2510.1	2099.4	1361.6	810.1	555.3	452.6	403.1	384.1	376.5	372.7	372.7
32.5°	2605.2	2160.2	1346.3	772.1	517.2	418.4	376.5	361.3	353.7	353.7	349.9
35°	2723.1	2228.7	1334.9	737.8	490.6	395.5	357.5	342.3	338.5	338.5	338.5
37.5°	2863.8	2300.9	1315.9	715.0	475.4	376.5	342.3	327.1	327.1	327.1	327.1
40°	3019.8	2407.4	1312.1	699.8	464.0	365.1	327.1	311.9	311.9	311.9	311.9
42.5°	3194.7	2521.5	1308.3	688.4	456.4	357.5	311.9	296.7	296.7	296.7	296.7
45°	3407.7	2666.1	1315.9	680.8	456.4	349.9	300.5	281.4	277.6	277.6	277.6
47.5°	3616.9	2803.0	1323.5	673.2	448.8	338.5	285.2	266.2	262.4	258.6	258.6
50°	3841.3	2943.7	1323.5	665.6	441.2	327.1	273.8	247.2	243.4	239.6	239.6
52.5°	4061.8	3061.6	1327.3	654.2	422.2	308.1	254.8	232.0	224.4	220.6	216.8
55°	4274.8	3187.1	1331.1	635.1	399.3	289.0	243.4	216.8	205.4	197.8	197.8
57.5°	4434.6	3289.8	1312.1	597.1	368.9	270.0	224.4	197.8	182.6	174.9	174.9
60°	4586.7	3354.4	1277.9	540.1	338.5	251.0	209.2	178.8	163.5	155.9	155.9
62.5°	4647.5	3365.8	1198.0	441.2	300.5	232.0	190.2	163.5	152.1	148.3	148.3
65°	*4613.3*	*3316.4*	*1091.5*	*349.9*	*266.2*	*209.2*	*174.9*	*152.1*	*136.9*	*125.5*	*125.5*
67.5°	4426.9	3145.3	947.0	277.6	232.0	190.2	159.7	136.9	121.7	110.3	110.3
70°	4073.2	2871.4	737.8	220.6	201.6	167.3	144.5	125.5	110.3	98.9	98.9
72.5°	3552.2	2491.1	536.3	186.4	174.9	148.3	129.3	114.1	98.9	91.3	91.3
75°	2928.5	1920.6	380.3	159.7	155.9	133.1	117.9	102.7	91.3	83.7	83.7
77.5°	2198.3	1338.7	296.7	140.7	136.9	121.7	106.5	95.1	83.7	79.9	76.1
80°	1464.2	829.1	224.4	106.5	102.7	95.1	87.5	79.9	68.5	60.9	60.9
82.5°	654.2	349.9	114.1	60.9	53.2	45.6	38.0	26.6	26.6	22.8	22.8
85°	68.5	45.6	22.8	15.2	15.2	11.4	11.4	11.4	7.6	7.6	7.6
87.5°	11.4	11.4	7.6	7.6	7.6	3.8	3.8	3.8	3.8	3.8	3.8
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: SP1-2407-157-5

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-40-740-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-40-740-U-5WQ-2

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

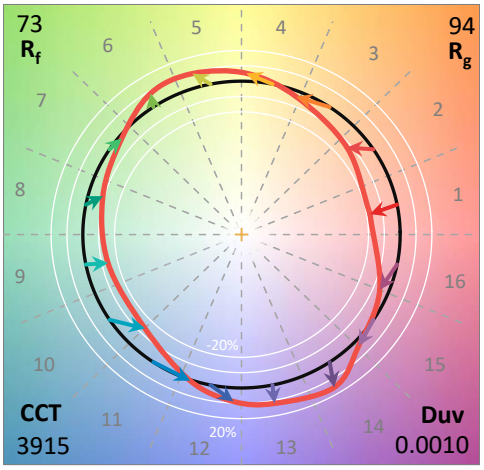
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-5
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-40-740-U-5WQ-2**
Description:	Epic Modern Light Square 40W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	3915
CIE u':	0.2262
CIE v':	0.5044
Duv:	0.0010
CIE x:	0.3850
CIE y:	0.3816
CIE z:	0.2334
Peak Wavelength (nm):	449
Dominant Wavelength (nm):	578
Purity:	30.05482
Rf:	73.2
Rg:	93.9

CRI (Ra):	71.0
R1:	67.6
R2:	78.3
R3:	87.1
R4:	69.7
R5:	67.4
R6:	69.3
R7:	79.7
R8:	48.7
R9:	-38.4
R10:	48.9
R11:	65.3
R12:	40.4
R13:	69.3
R14:	92.6
R15:	59.9



Test Conditions

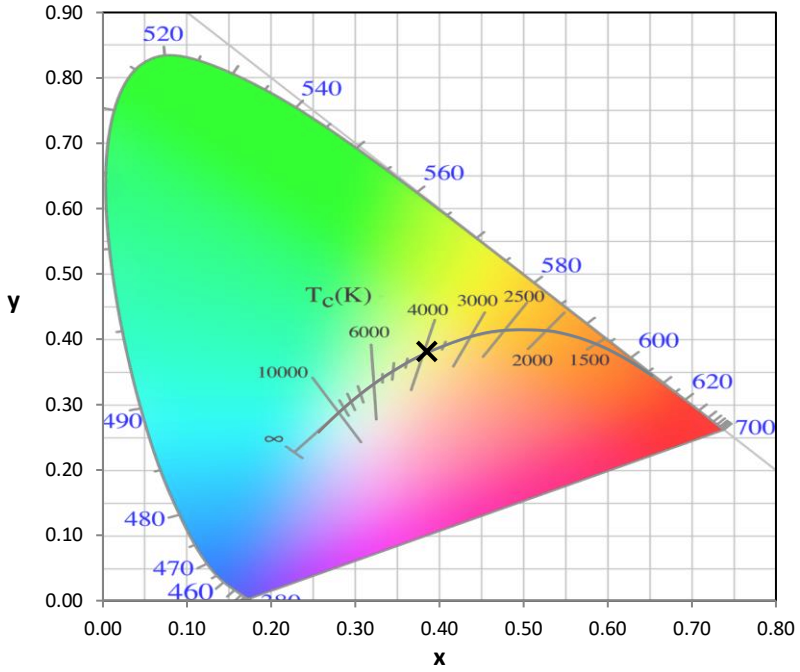
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-5

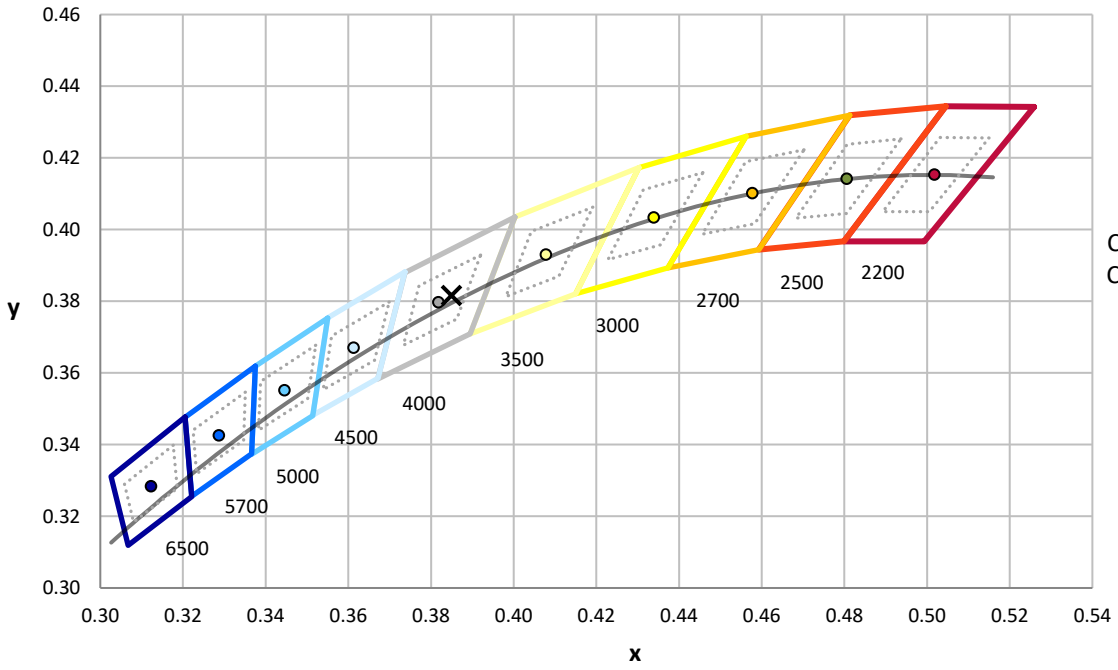
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-5

CIE 1931 Chromaticity Diagram



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

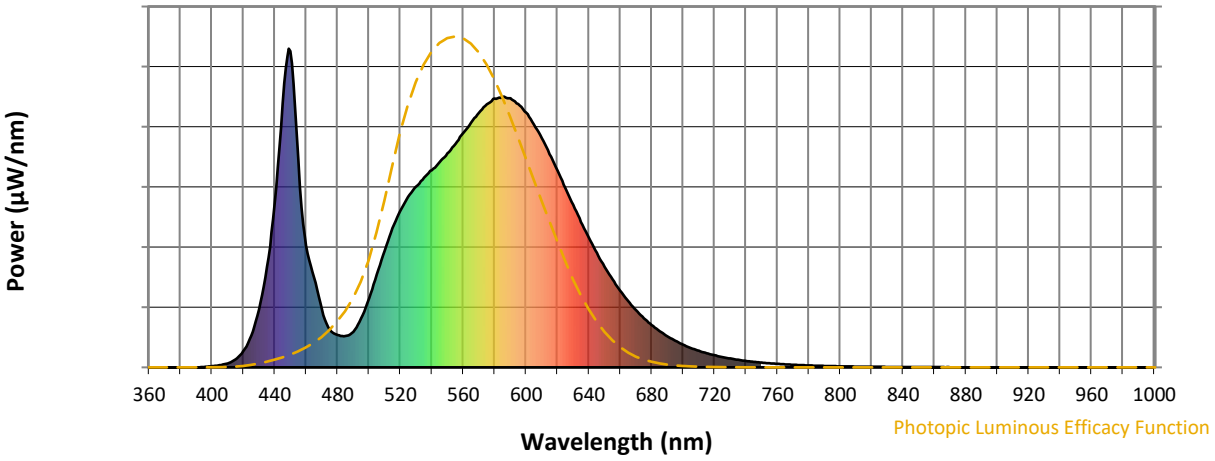


CCT = 3915K
CIE x = 0.3850
CIE y = 0.3816
Duv = 0.0010

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-5

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	112	NR	620	618	NR	750	15	NR	880	0	NR
365	0	NR	495	153	NR	625	563	NR	755	13	NR	885	0	NR
370	0	NR	500	216	NR	630	510	NR	760	11	NR	890	0	NR
375	0	NR	505	291	NR	635	456	NR	765	9	NR	895	0	NR
380	0	NR	510	366	NR	640	407	NR	770	8	NR	900	0	NR
385	0	NR	515	436	NR	645	359	NR	775	7	NR	905	0	NR
390	0	NR	520	492	NR	650	316	NR	780	6	NR	910	0	NR
395	2	NR	525	536	NR	655	277	NR	785	5	NR	915	0	NR
400	4	NR	530	567	NR	660	240	NR	790	4	NR	920	0	NR
405	7	NR	535	596	NR	665	208	NR	795	4	NR	925	0	NR
410	12	NR	540	619	NR	670	179	NR	800	3	NR	930	0	NR
415	25	NR	545	644	NR	675	154	NR	805	3	NR	935	0	NR
420	51	NR	550	671	NR	680	133	NR	810	3	NR	940	0	NR
425	100	NR	555	701	NR	685	114	NR	815	2	NR	945	0	NR
430	180	NR	560	735	NR	690	98	NR	820	2	NR	950	0	NR
435	315	NR	565	768	NR	695	83	NR	825	2	NR	955	0	NR
440	514	NR	570	798	NR	700	71	NR	830	1	NR	960	0	NR
445	828	NR	575	825	NR	705	61	NR	835	1	NR	965	0	NR
450	992	NR	580	843	NR	710	52	NR	840	1	NR	970	0	NR
455	652	NR	585	848	NR	715	44	NR	845	1	NR	975	0	NR
460	382	NR	590	844	NR	720	38	NR	850	1	NR	980	0	NR
465	282	NR	595	826	NR	725	32	NR	855	1	NR	985	0	NR
470	180	NR	600	800	NR	730	28	NR	860	1	NR	990	0	NR
475	119	NR	605	762	NR	735	24	NR	865	1	NR	995	0	NR
480	101	NR	610	719	NR	740	20	NR	870	1	NR	1000	0	NR
485	98	NR	615	669	NR	745	17	NR	875	0	NR			

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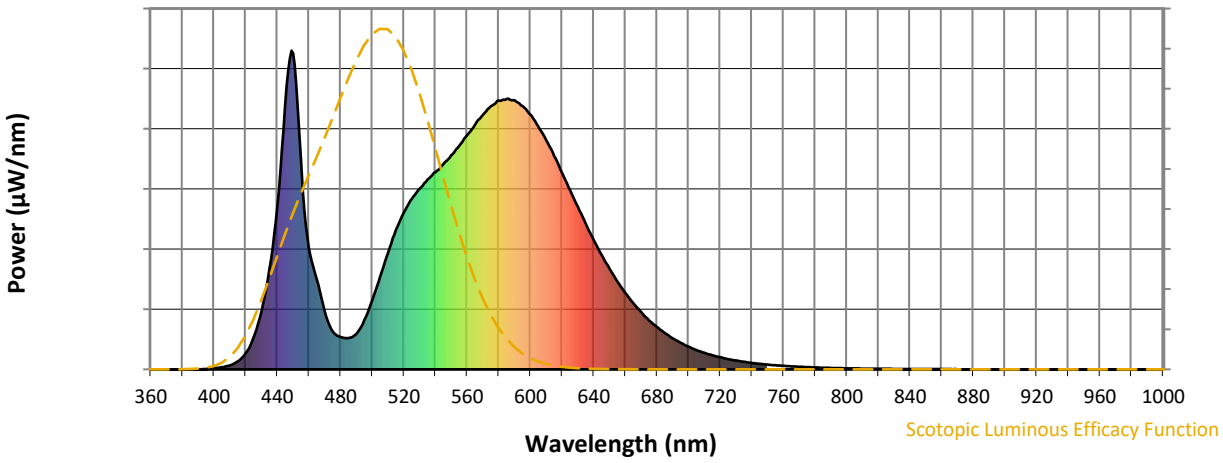
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.49**

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	112	NR	620	618	NR	750	15	NR	880	0	NR
365	0	NR	495	153	NR	625	563	NR	755	13	NR	885	0	NR
370	0	NR	500	216	NR	630	510	NR	760	11	NR	890	0	NR
375	0	NR	505	291	NR	635	456	NR	765	9	NR	895	0	NR
380	0	NR	510	366	NR	640	407	NR	770	8	NR	900	0	NR
385	0	NR	515	436	NR	645	359	NR	775	7	NR	905	0	NR
390	0	NR	520	492	NR	650	316	NR	780	6	NR	910	0	NR
395	2	NR	525	536	NR	655	277	NR	785	5	NR	915	0	NR
400	4	NR	530	567	NR	660	240	NR	790	4	NR	920	0	NR
405	7	NR	535	596	NR	665	208	NR	795	4	NR	925	0	NR
410	12	NR	540	619	NR	670	179	NR	800	3	NR	930	0	NR
415	25	NR	545	644	NR	675	154	NR	805	3	NR	935	0	NR
420	51	NR	550	671	NR	680	133	NR	810	3	NR	940	0	NR
425	100	NR	555	701	NR	685	114	NR	815	2	NR	945	0	NR
430	180	NR	560	735	NR	690	98	NR	820	2	NR	950	0	NR
435	315	NR	565	768	NR	695	83	NR	825	2	NR	955	0	NR
440	514	NR	570	798	NR	700	71	NR	830	1	NR	960	0	NR
445	828	NR	575	825	NR	705	61	NR	835	1	NR	965	0	NR
450	992	NR	580	843	NR	710	52	NR	840	1	NR	970	0	NR
455	652	NR	585	848	NR	715	44	NR	845	1	NR	975	0	NR
460	382	NR	590	844	NR	720	38	NR	850	1	NR	980	0	NR
465	282	NR	595	826	NR	725	32	NR	855	1	NR	985	0	NR
470	180	NR	600	800	NR	730	28	NR	860	1	NR	990	0	NR
475	119	NR	605	762	NR	735	24	NR	865	1	NR	995	0	NR
480	101	NR	610	719	NR	740	20	NR	870	1	NR	1000	0	NR
485	98	NR	615	669	NR	745	17	NR	875	0	NR			

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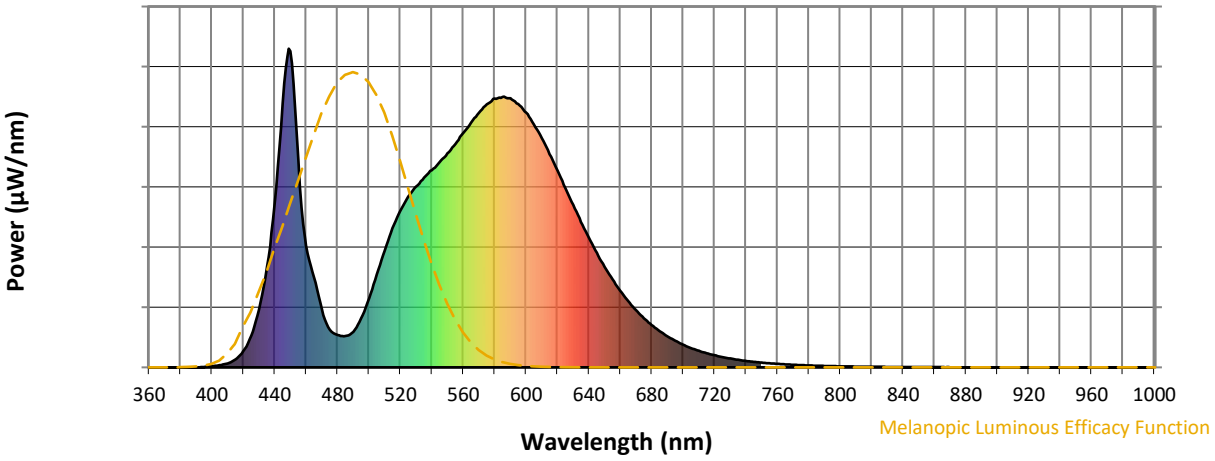
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	112	NR	620	618	NR	750	15	NR	880	0	NR
365	0	NR	495	153	NR	625	563	NR	755	13	NR	885	0	NR
370	0	NR	500	216	NR	630	510	NR	760	11	NR	890	0	NR
375	0	NR	505	291	NR	635	456	NR	765	9	NR	895	0	NR
380	0	NR	510	366	NR	640	407	NR	770	8	NR	900	0	NR
385	0	NR	515	436	NR	645	359	NR	775	7	NR	905	0	NR
390	0	NR	520	492	NR	650	316	NR	780	6	NR	910	0	NR
395	2	NR	525	536	NR	655	277	NR	785	5	NR	915	0	NR
400	4	NR	530	567	NR	660	240	NR	790	4	NR	920	0	NR
405	7	NR	535	596	NR	665	208	NR	795	4	NR	925	0	NR
410	12	NR	540	619	NR	670	179	NR	800	3	NR	930	0	NR
415	25	NR	545	644	NR	675	154	NR	805	3	NR	935	0	NR
420	51	NR	550	671	NR	680	133	NR	810	3	NR	940	0	NR
425	100	NR	555	701	NR	685	114	NR	815	2	NR	945	0	NR
430	180	NR	560	735	NR	690	98	NR	820	2	NR	950	0	NR
435	315	NR	565	768	NR	695	83	NR	825	2	NR	955	0	NR
440	514	NR	570	798	NR	700	71	NR	830	1	NR	960	0	NR
445	828	NR	575	825	NR	705	61	NR	835	1	NR	965	0	NR
450	992	NR	580	843	NR	710	52	NR	840	1	NR	970	0	NR
455	652	NR	585	848	NR	715	44	NR	845	1	NR	975	0	NR
460	382	NR	590	844	NR	720	38	NR	850	1	NR	980	0	NR
465	282	NR	595	826	NR	725	32	NR	855	1	NR	985	0	NR
470	180	NR	600	800	NR	730	28	NR	860	1	NR	990	0	NR
475	119	NR	605	762	NR	735	24	NR	865	1	NR	995	0	NR
480	101	NR	610	719	NR	740	20	NR	870	1	NR	1000	0	NR
485	98	NR	615	669	NR	745	17	NR	875	0	NR			

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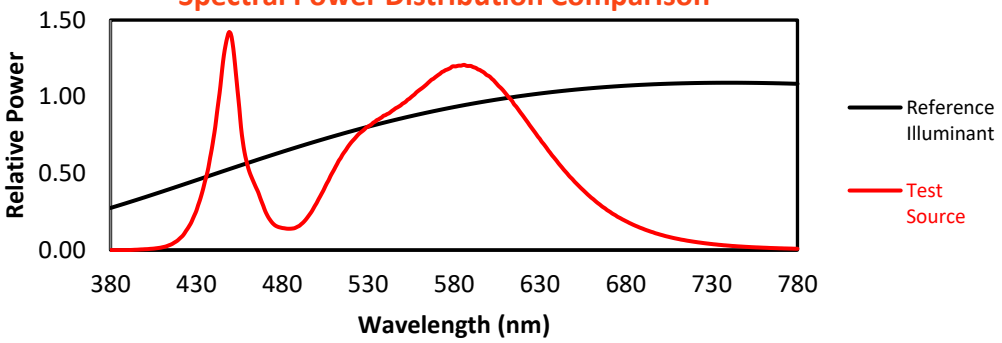
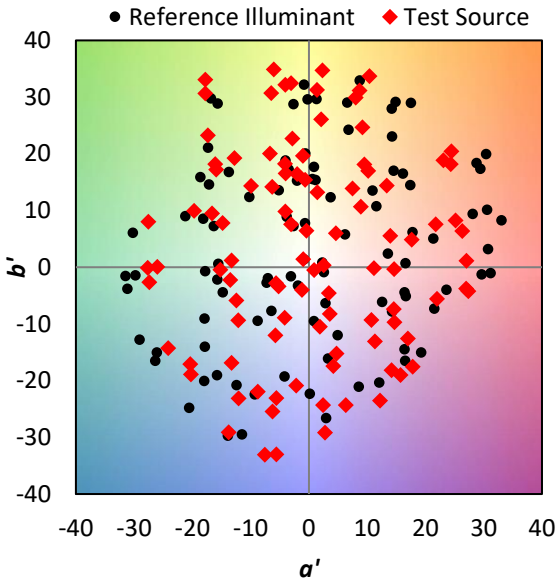
Summary

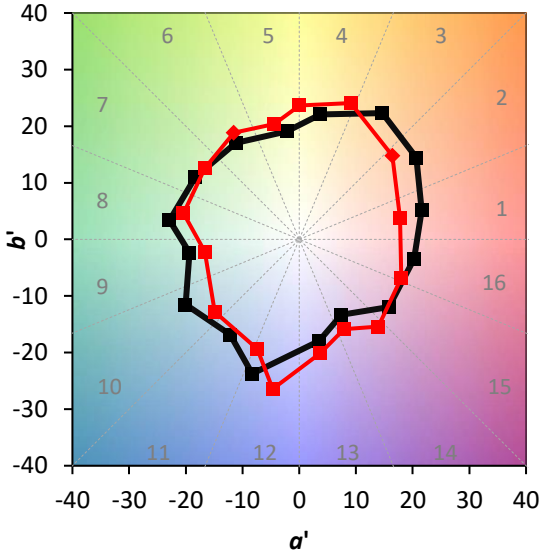
R_f = 73.2
R_g = 93.9
CIE R_a = 71.0
R_9 = -38.4

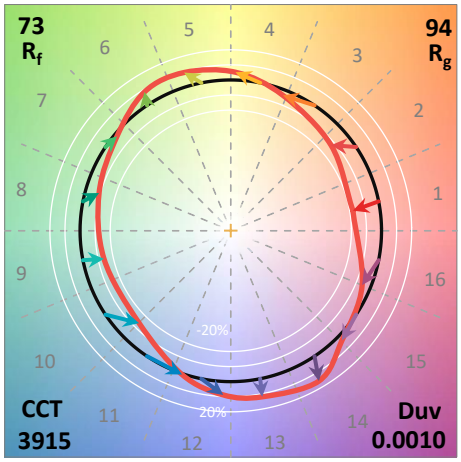
Spectral Power Distribution Comparison

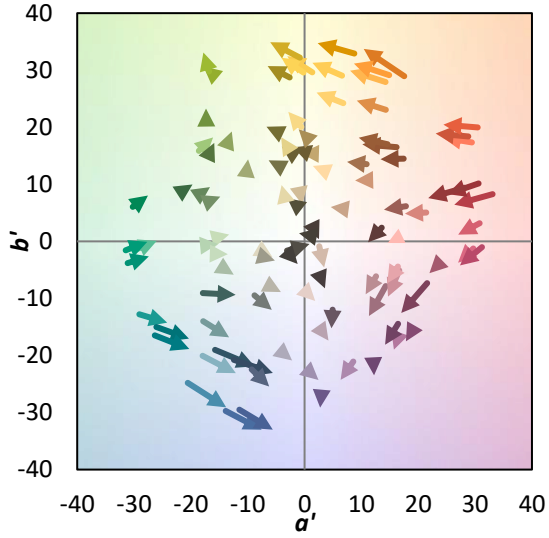


Color Vector Graphics









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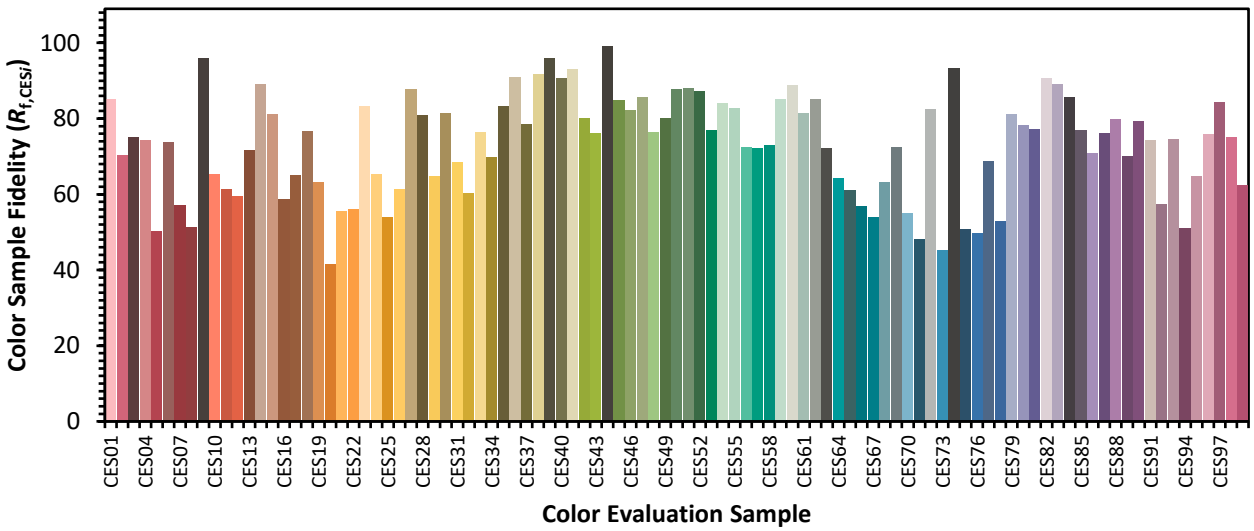
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 61	CES51 = 88	CES76 = 50
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 69
CES03 = 30	CES28 = 81	CES53 = 77	CES78 = 53
CES04 = 70	CES29 = 65	CES54 = 84	CES79 = 81
CES05 = 47	CES30 = 81	CES55 = 83	CES80 = 78
CES06 = 50	CES31 = 69	CES56 = 73	CES81 = 77
CES07 = 40	CES32 = 60	CES57 = 72	CES82 = 91
CES08 = 39	CES33 = 76	CES58 = 73	CES83 = 89
CES09 = 29	CES34 = 70	CES59 = 85	CES84 = 86
CES10 = 74	CES35 = 83	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 91	CES61 = 81	CES86 = 71
CES12 = 63	CES37 = 79	CES62 = 85	CES87 = 76
CES13 = 42	CES38 = 92	CES63 = 72	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 64	CES89 = 70
CES15 = 71	CES40 = 91	CES65 = 61	CES90 = 79
CES16 = 46	CES41 = 93	CES66 = 57	CES91 = 74
CES17 = 49	CES42 = 80	CES67 = 54	CES92 = 57
CES18 = 56	CES43 = 76	CES68 = 63	CES93 = 74
CES19 = 72	CES44 = 99	CES69 = 73	CES94 = 51
CES20 = 65	CES45 = 85	CES70 = 55	CES95 = 65
CES21 = 86	CES46 = 82	CES71 = 48	CES96 = 76
CES22 = 78	CES47 = 86	CES72 = 83	CES97 = 84
CES23 = 92	CES48 = 77	CES73 = 45	CES98 = 75
CES24 = 91	CES49 = 80	CES74 = 93	CES99 = 62
CES25 = 72	CES50 = 88	CES75 = 51	



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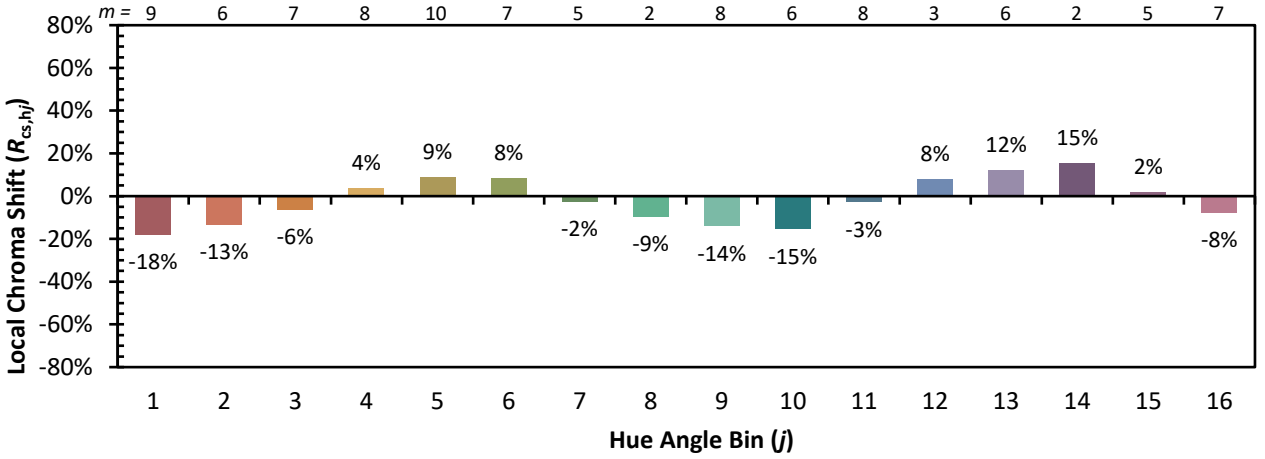
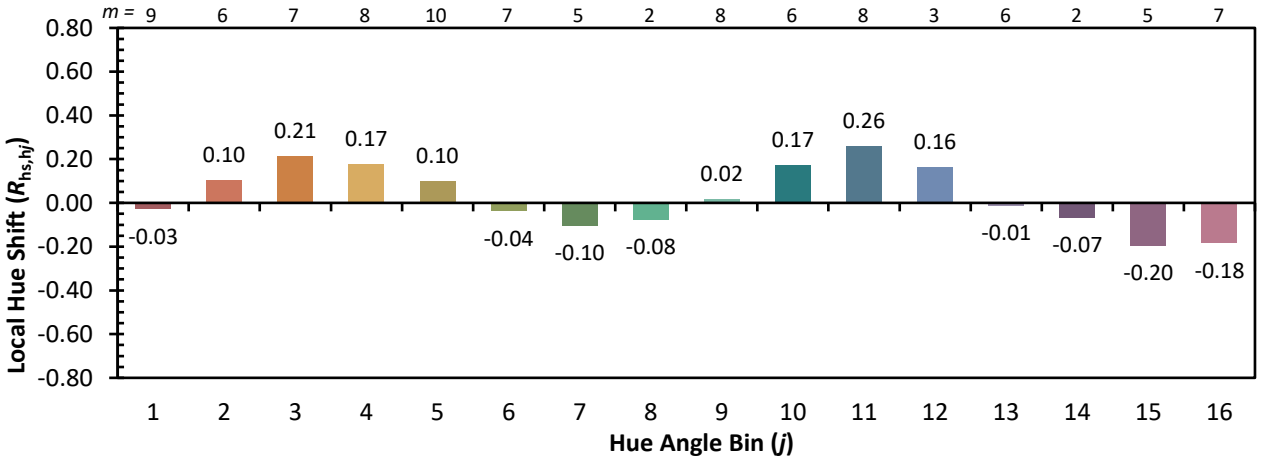
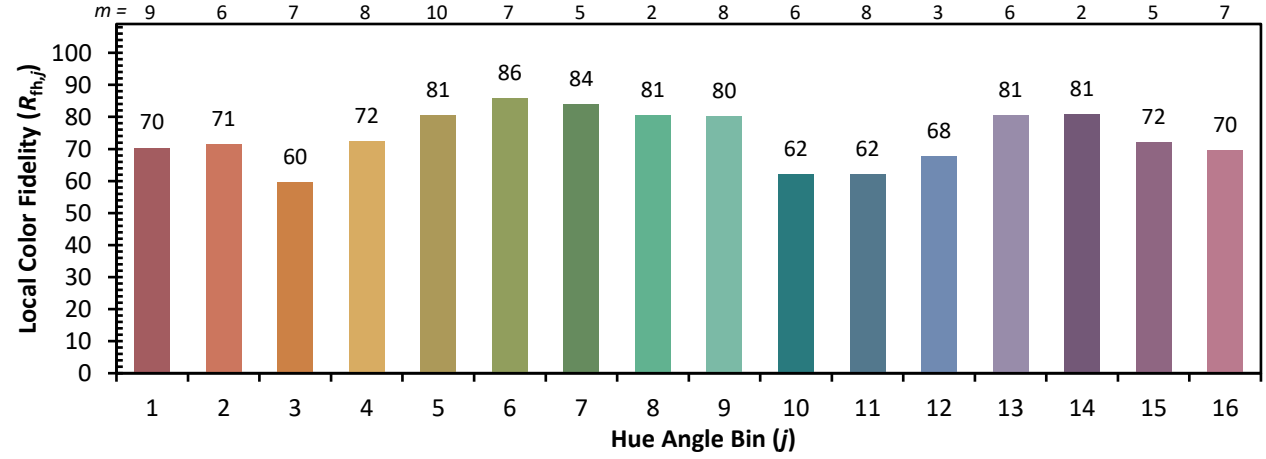
Color Rendition by Hue-Angle Bin







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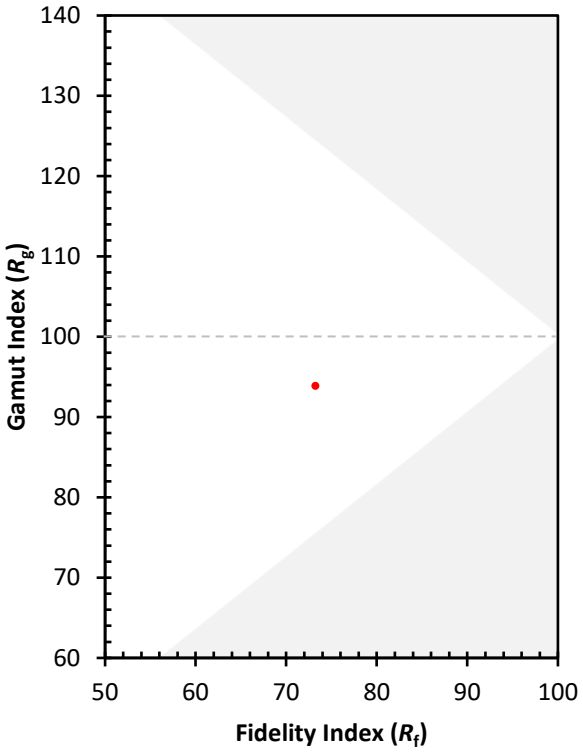
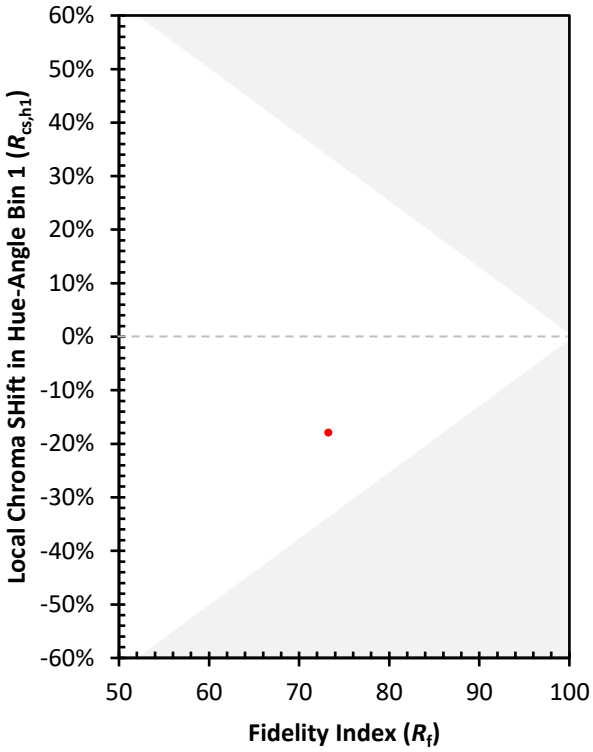
Measure Comparisons





(END OF REPORT)