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: P869224

Luminaire Tested: **EMM2-HSN-SA3A-AMB-U-T2R-HSS**

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:	P869224
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HSN-SA3A-AMB-U-T2R-HSS
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 46W 0CRI 1540K FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source:	(30) 1540K CCT, 0 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	987.2 lumens
Efficiency:	N/A
Efficacy:	21.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.33' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B0 - U0 - G1

Input Watts (W):	46
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.75%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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REPORT NUMBER: P869224
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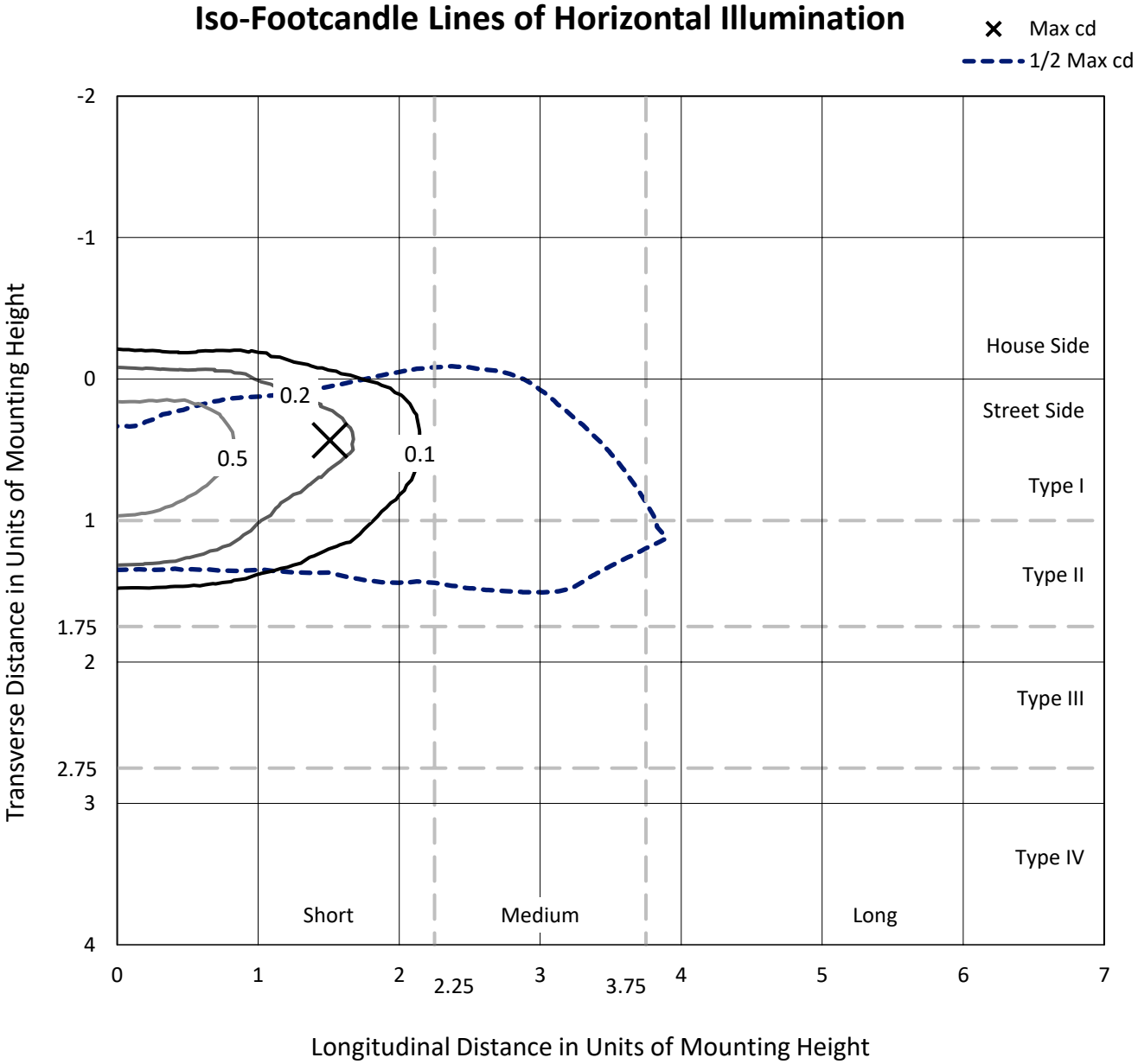
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 0.8 fc
Type II - Short - N/A

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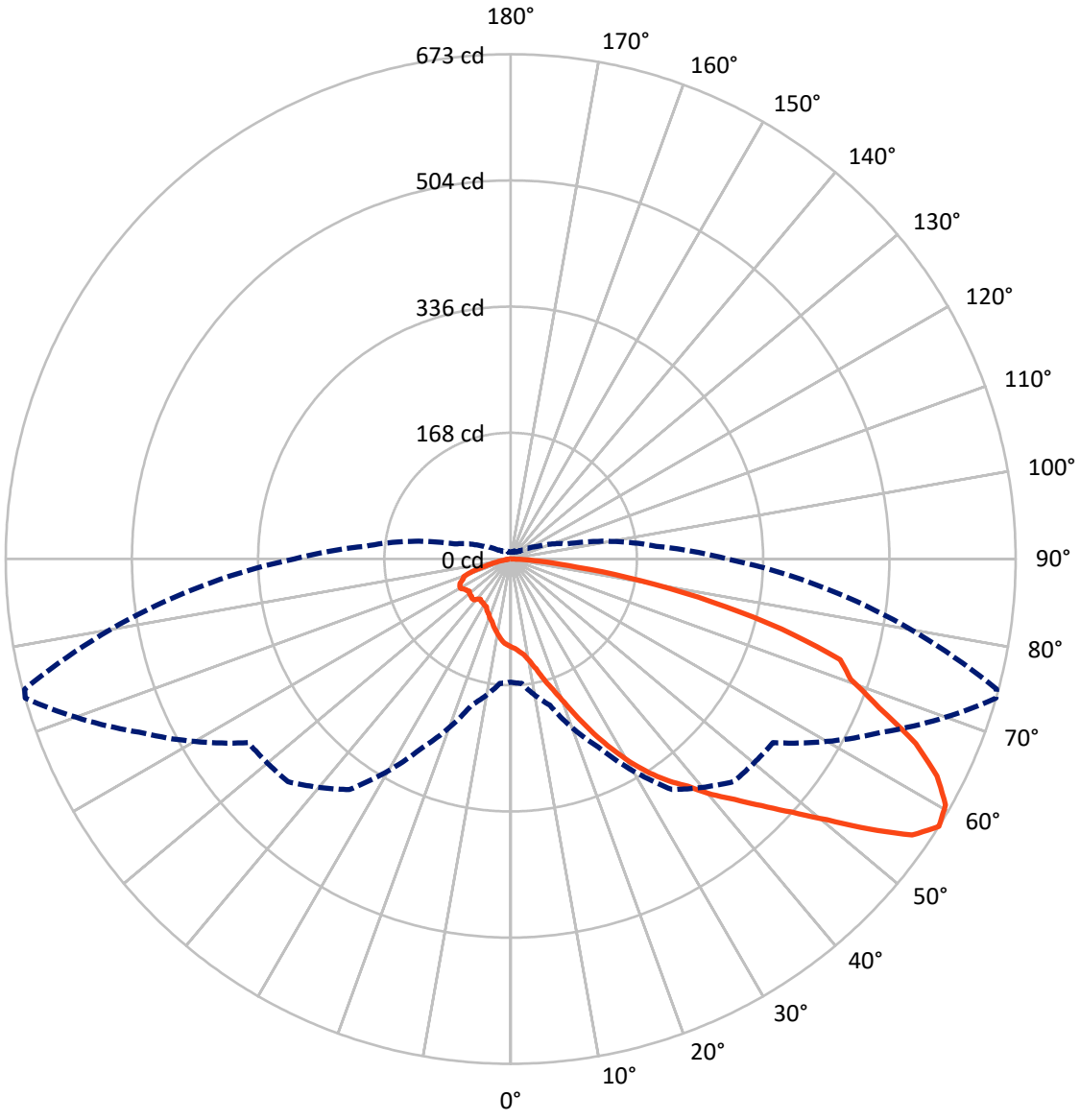
Luminous Intensity Polar Plot



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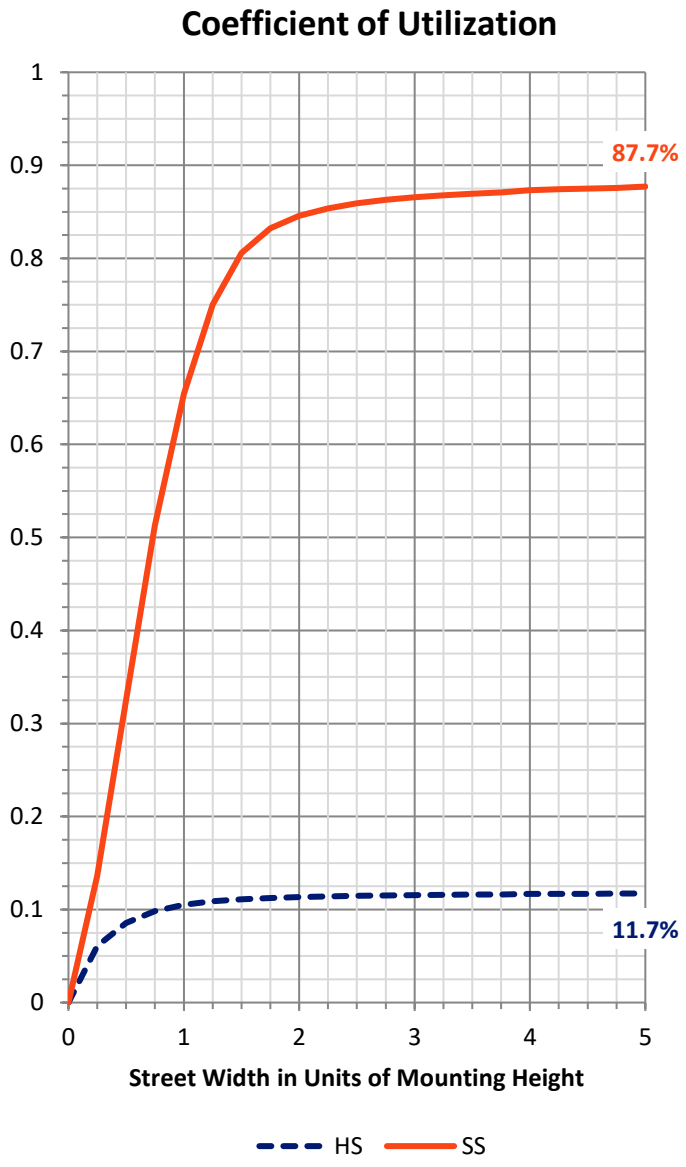
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	117.1	0.0	117.1
	% Fixture	11.9	0.0	11.9
Street Side	Lumens	870.1	0.0	870.1
	% Fixture	88.1	0.0	88.1
Total	Lumens	987.2	0.0	987.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	1.2
10°-20°	41.7	4.2
20°-30°	86.2	8.7
30°-40°	155.2	15.7
40°-50°	209.9	21.3
50°-60°	207.8	21.1
60°-70°	168.0	17.0
70°-80°	89.4	9.1
80°-90°	17.5	1.8
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°	987.2	100.0
0°-180°	987.2	100.0



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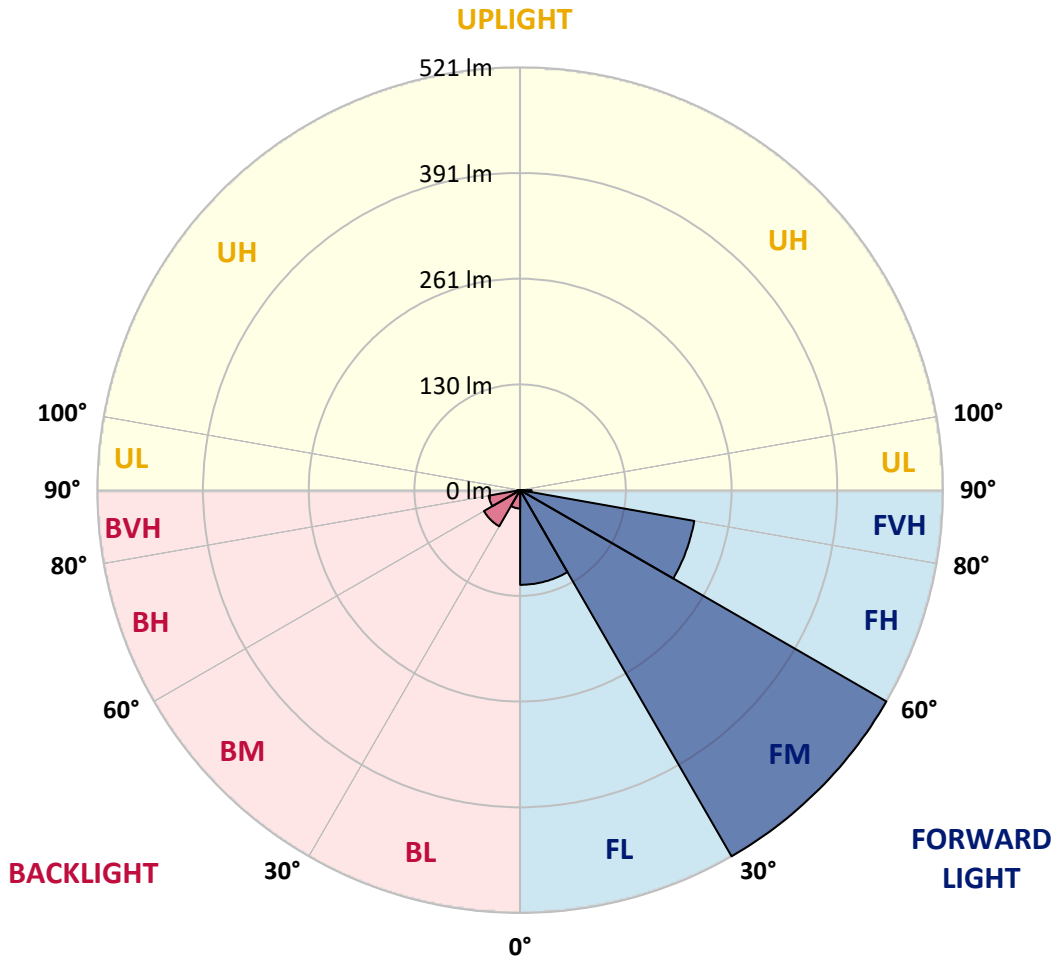
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	116.7	11.8			
FM	(30°-60°)	521.4	52.8			
FH	(60°-80°)	218.0	22.1			G0/660
FVH	(80°-90°)	14.1	1.4			G1/100
BL	(0°-30°)	22.6	2.3	B0/110		
BM	(30°-60°)	51.5	5.2	B0/220		
BH	(60°-80°)	39.5	4.0	B0/110		G0/110
BVH	(80°-90°)	3.5	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	*117.2*	117.2	117.2
2.5°	128.9	128.9	126.5	126.5	126.5	124.2	124.2	121.8	*119.5*	119.5	119.5
5°	152.3	154.6	152.3	150.0	145.3	140.6	133.6	126.5	*124.2*	121.8	119.5
7.5°	182.8	180.4	178.1	173.4	168.7	161.7	150.0	138.2	*128.9*	126.5	121.8
10°	217.9	220.2	213.2	206.2	194.5	182.8	171.0	152.3	*138.2*	135.9	124.2
12.5°	264.8	264.8	253.0	241.3	232.0	210.9	192.1	173.4	*150.0*	147.6	126.5
15°	306.9	304.6	302.3	290.5	271.8	246.0	217.9	194.5	*166.4*	161.7	131.2
17.5°	330.4	330.4	328.0	323.3	309.3	285.9	250.7	217.9	*182.8*	178.1	138.2
20°	339.7	339.7	337.4	335.1	332.7	321.0	288.2	246.0	*203.8*	199.2	145.3
22.5°	356.1	353.8	346.8	342.1	346.8	344.4	321.0	278.8	*229.6*	222.6	154.6
25°	384.3	379.6	367.9	358.5	358.5	360.8	349.1	309.3	*257.7*	250.7	168.7
27.5°	426.4	421.7	403.0	386.6	374.9	367.9	365.5	339.7	*285.9*	278.8	185.1
30°	475.6	471.0	456.9	428.8	403.0	381.9	374.9	363.2	*314.0*	306.9	203.8
32.5°	541.2	538.9	515.5	473.3	442.8	410.0	396.0	381.9	*339.7*	332.7	222.6
35°	616.2	606.8	588.1	531.9	487.4	449.9	424.1	405.3	*363.2*	353.8	239.0
37.5°	625.6	625.6	623.2	592.8	545.9	487.4	452.2	431.1	*384.3*	379.6	257.7
40°	595.1	592.8	602.2	599.8	581.1	536.6	494.4	466.3	*412.4*	403.0	274.1
42.5°	550.6	553.0	562.3	569.4	567.0	571.7	538.9	499.1	*438.1*	426.4	278.8
45°	520.2	517.8	524.8	529.5	531.9	564.7	578.7	529.5	*468.6*	456.9	288.2
47.5°	492.0	489.7	489.7	489.7	494.4	522.5	583.4	581.1	*503.8*	489.7	302.3
50°	459.2	454.5	452.2	456.9	463.9	471.0	555.3	613.9	*545.9*	531.9	318.7
52.5°	370.2	374.9	400.7	426.4	440.5	438.1	503.8	611.5	*597.5*	583.4	339.7
55°	257.7	257.7	297.6	365.5	419.4	421.7	447.5	588.1	*649.0*	635.0	372.5
57.5°	*164.0*	*166.4*	*201.5*	*276.5*	*374.9*	*419.4*	*426.4*	*545.9*	*672.5*	*670.1*	*412.4*
60°	105.4	110.1	128.9	194.5	283.5	403.0	431.1	508.4	*665.4*	670.1	463.9
62.5°	77.3	79.7	89.0	133.6	206.2	335.1	454.5	494.4	*637.3*	644.3	501.4
65°	63.3	63.3	67.9	96.1	142.9	229.6	454.5	513.1	*592.8*	602.2	508.4
67.5°	51.5	53.9	56.2	75.0	105.4	152.3	360.8	571.7	*529.5*	529.5	480.3
70°	44.5	44.5	49.2	60.9	79.7	105.4	229.6	543.6	*480.3*	473.3	419.4
72.5°	39.8	39.8	42.2	51.5	63.3	79.7	147.6	412.4	*459.2*	447.5	337.4
75°	32.8	35.1	37.5	42.2	51.5	60.9	93.7	285.9	*372.5*	356.1	274.1
77.5°	30.5	30.5	32.8	37.5	42.2	46.9	63.3	175.7	*274.1*	269.4	203.8
80°	23.4	23.4	25.8	30.5	32.8	35.1	42.2	89.0	*175.7*	175.7	121.8
82.5°	21.1	21.1	23.4	25.8	25.8	28.1	28.1	42.2	*89.0*	93.7	56.2
85°	18.7	16.4	16.4	18.7	21.1	18.7	18.7	21.1	*37.5*	37.5	25.8
87.5°	9.4	9.4	9.4	11.7	11.7	11.7	11.7	9.4	*11.7*	14.1	11.7
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: P869224
CATALOG NUMBER: EMM2-HSN-SA3A-AMB-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2
2.5°	117.2	117.2	114.8	112.5	112.5	110.1	110.1	107.8	105.4	105.4	107.8
5°	117.2	117.2	112.5	107.8	103.1	98.4	93.7	89.0	86.7	86.7	84.3
7.5°	117.2	114.8	107.8	100.8	91.4	82.0	72.6	65.6	60.9	58.6	58.6
10°	119.5	112.5	103.1	91.4	77.3	60.9	51.5	44.5	42.2	42.2	39.8
12.5°	119.5	112.5	98.4	82.0	60.9	46.9	39.8	37.5	35.1	35.1	35.1
15°	121.8	112.5	93.7	72.6	49.2	37.5	35.1	32.8	32.8	32.8	32.8
17.5°	126.5	114.8	89.0	60.9	39.8	35.1	32.8	30.5	30.5	30.5	30.5
20°	128.9	114.8	86.7	51.5	35.1	32.8	30.5	28.1	28.1	28.1	28.1
22.5°	133.6	117.2	82.0	44.5	32.8	30.5	28.1	28.1	25.8	25.8	25.8
25°	140.6	119.5	79.7	39.8	30.5	28.1	25.8	25.8	23.4	23.4	23.4
27.5°	150.0	126.5	75.0	35.1	28.1	25.8	25.8	23.4	23.4	23.4	23.4
30°	164.0	133.6	75.0	35.1	28.1	25.8	23.4	21.1	21.1	21.1	21.1
32.5°	175.7	140.6	72.6	35.1	28.1	23.4	21.1	21.1	18.7	18.7	18.7
35°	185.1	145.3	72.6	37.5	28.1	23.4	21.1	18.7	18.7	18.7	18.7
37.5°	194.5	152.3	70.3	37.5	30.5	21.1	18.7	18.7	16.4	16.4	16.4
40°	210.9	161.7	72.6	37.5	30.5	21.1	18.7	16.4	16.4	16.4	16.4
42.5°	217.9	166.4	77.3	37.5	30.5	21.1	16.4	16.4	16.4	14.1	14.1
45°	217.9	166.4	77.3	39.8	28.1	21.1	16.4	14.1	14.1	14.1	14.1
47.5°	222.6	164.0	75.0	42.2	28.1	21.1	16.4	14.1	14.1	14.1	14.1
50°	232.0	166.4	75.0	44.5	25.8	18.7	14.1	14.1	14.1	11.7	11.7
52.5°	246.0	173.4	72.6	44.5	23.4	16.4	14.1	14.1	11.7	11.7	11.7
55°	264.8	182.8	75.0	42.2	23.4	16.4	14.1	11.7	11.7	11.7	11.7
57.5°	*288.2*	*194.5*	*77.3*	*39.8*	*21.1*	*14.1*	*11.7*	*11.7*	*9.4*	*9.4*	*9.4*
60°	321.0	213.2	82.0	35.1	18.7	11.7	11.7	9.4	9.4	9.4	9.4
62.5°	351.5	232.0	82.0	30.5	16.4	11.7	11.7	9.4	9.4	7.0	7.0
65°	374.9	255.4	79.7	25.8	14.1	11.7	9.4	9.4	7.0	7.0	7.0
67.5°	379.6	257.7	75.0	16.4	11.7	9.4	9.4	9.4	7.0	7.0	7.0
70°	346.8	239.0	72.6	11.7	9.4	9.4	9.4	7.0	7.0	7.0	7.0
72.5°	285.9	194.5	58.6	9.4	9.4	7.0	7.0	7.0	7.0	7.0	7.0
75°	243.7	145.3	37.5	7.0	7.0	7.0	7.0	7.0	7.0	7.0	4.7
77.5°	196.8	119.5	23.4	7.0	4.7	7.0	7.0	4.7	4.7	4.7	4.7
80°	124.2	96.1	14.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	58.6	49.2	7.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	23.4	21.1	4.7	2.3	2.3	2.3	2.3	4.7	4.7	4.7	4.7
87.5°	9.4	7.0	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
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: SP1-2407-157-1

Test Date: 08/06/2024

Luminaire Tested: MEM2-HTN-SA-45-AMB-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-45-AMB-U-5WQ-2

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

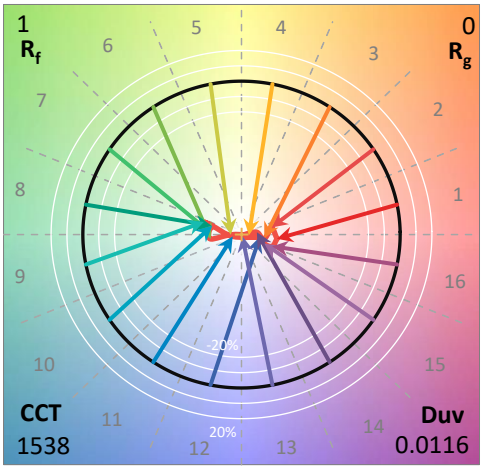
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-1
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-45-AMB-U-5WQ-2**
Description:	Epic Modern Light Square 45W 5WQ Optic and Flare Trim AMBER LED

Spectral Parameters

CCT (K):	1538
CIE u':	0.3530
CIE v':	0.5469
Duv:	0.0116
CIE x:	0.5918
CIE y:	0.4076
CIE z:	0.0006
Peak Wavelength (nm):	597
Dominant Wavelength (nm):	592
Purity:	99.98881
Rf:	1.1
Rg:	0

CRI (Ra):	-21.8				
R1:	-34.3	R9:	-386.6		
R2:	52.3	R10:	28.9		
R3:	17.0	R11:	-95.5		
R4:	-68.4	R12:	-10.5		
R5:	-40.8	R13:	-15.5		
R6:	41.5	R14:	45.9		
R7:	-7.2	R15:	-67.7		
R8:	-134.5				



Test Conditions

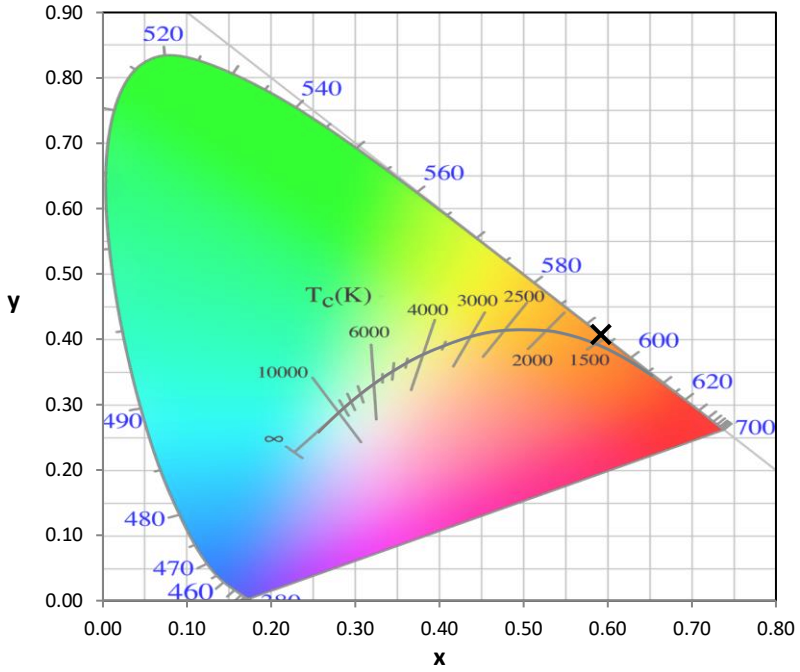
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-1

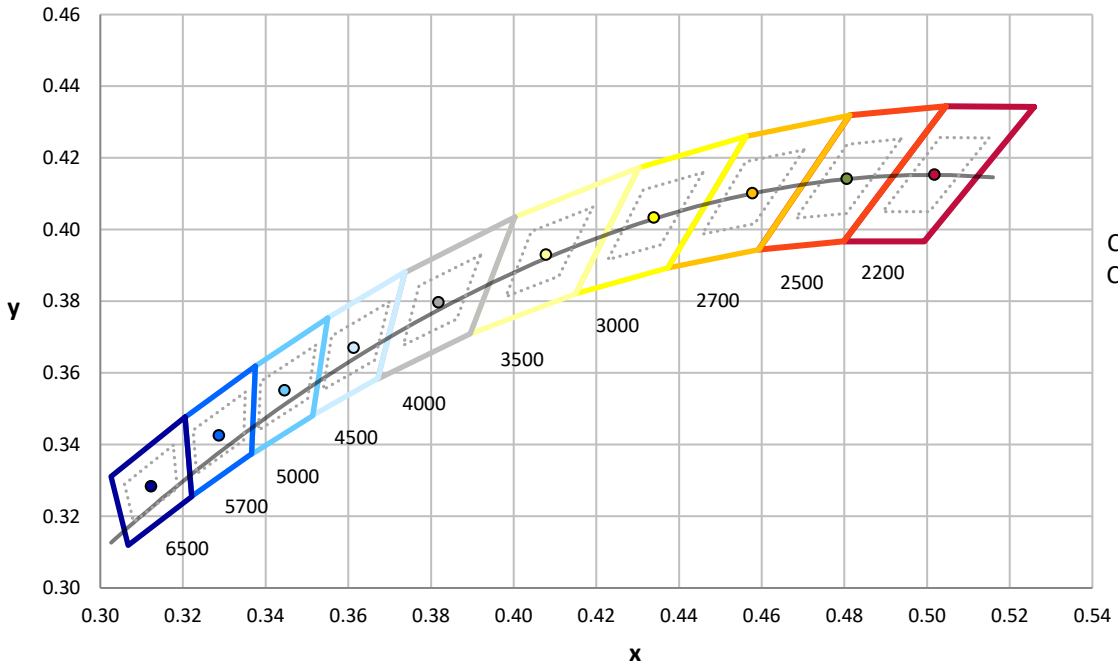
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-1

CIE 1931 Chromaticity Diagram



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

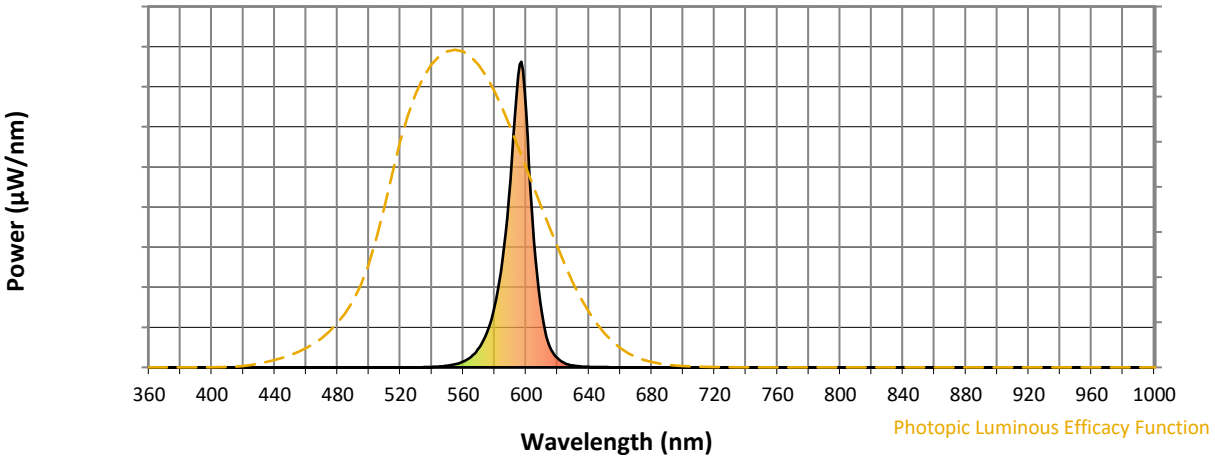


CCT = 1538K
CIE x = 0.5918
CIE y = 0.4076
Duv = 0.0116

Point lies outside the range

REPORT NUMBER: SP1-2407-157-1

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	0	NR	620	30	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	6	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	3	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	2	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	1	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	0	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	0	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	0	NR	795	0	NR	925	0	NR
410	0	NR	540	1	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	3	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	5	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	10	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	19	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	34	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	63	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	113	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	199	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	352	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	614	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	954	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	837	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	417	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	179	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	69	NR	745	0	NR	875	0	NR			

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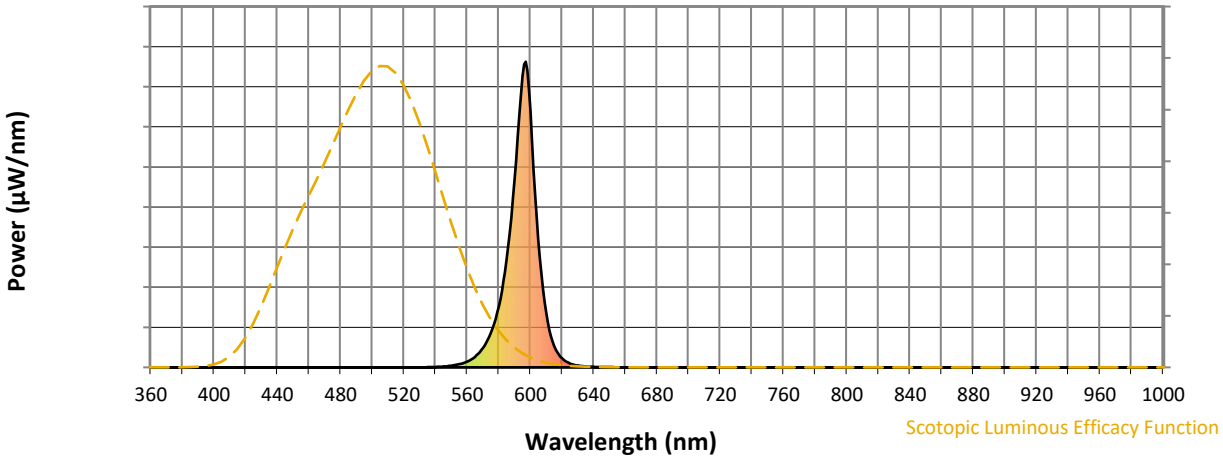
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 0.22**

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	0	NR	620	30	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	6	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	3	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	2	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	1	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	0	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	0	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	0	NR	795	0	NR	925	0	NR
410	0	NR	540	1	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	3	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	5	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	10	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	19	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	34	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	63	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	113	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	199	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	352	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	614	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	954	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	837	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	417	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	179	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	69	NR	745	0	NR	875	0	NR			

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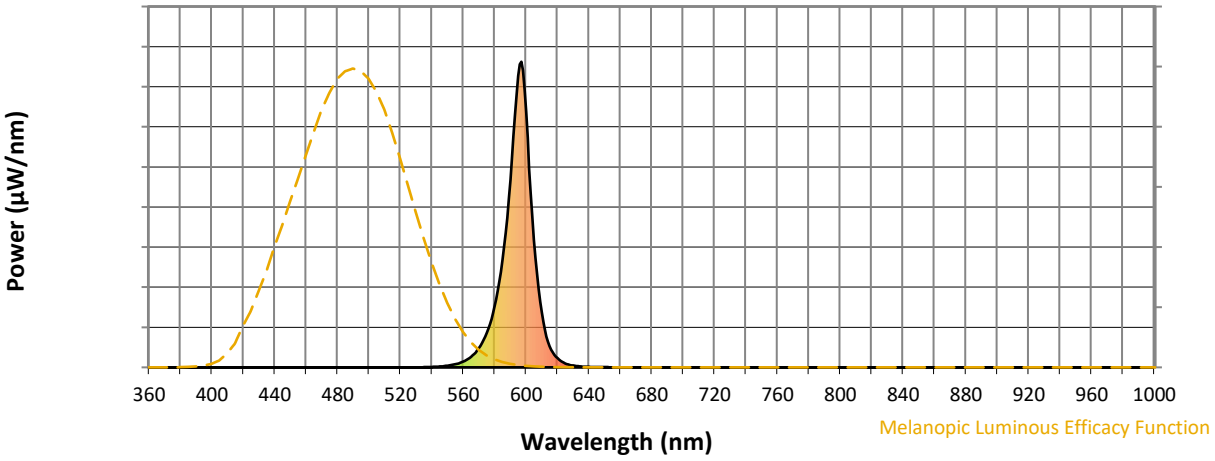
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 0.12**

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	0	NR	620	30	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	6	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	3	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	2	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	1	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	0	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	0	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	0	NR	795	0	NR	925	0	NR
410	0	NR	540	1	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	3	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	5	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	10	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	19	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	34	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	63	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	113	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	199	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	352	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	614	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	954	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	837	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	417	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	179	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	69	NR	745	0	NR	875	0	NR			

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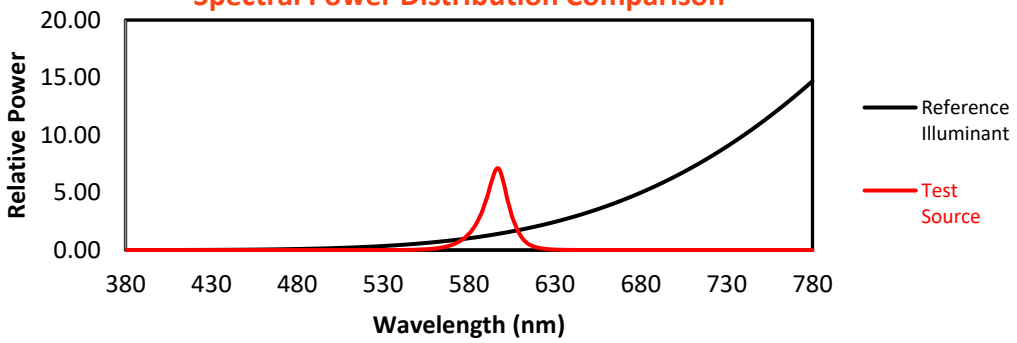
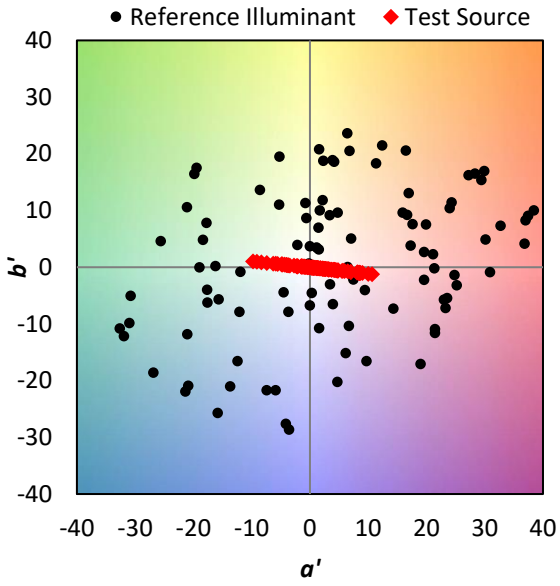
Summary

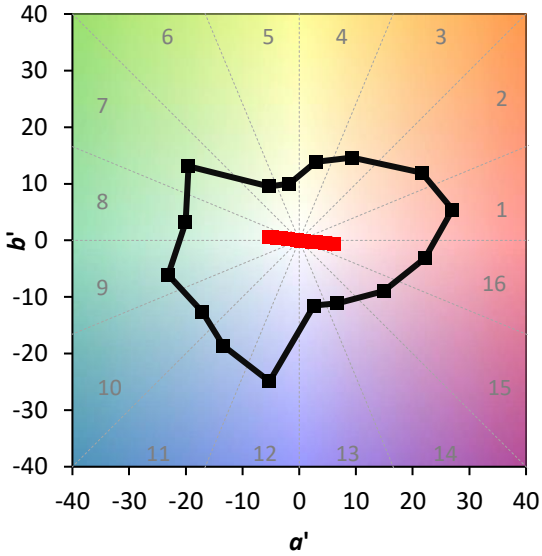
R_f = 1.1
R_g = 0
CIE R_a = -21.8
R_9 = -386.6

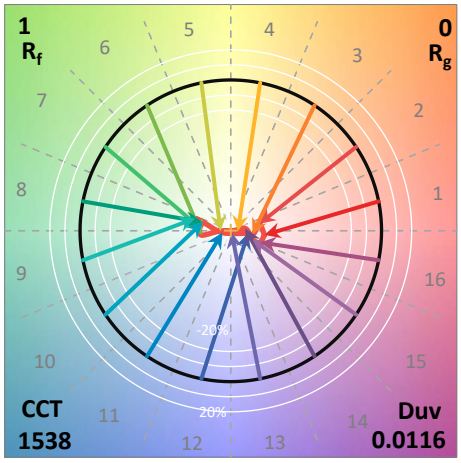
Spectral Power Distribution Comparison

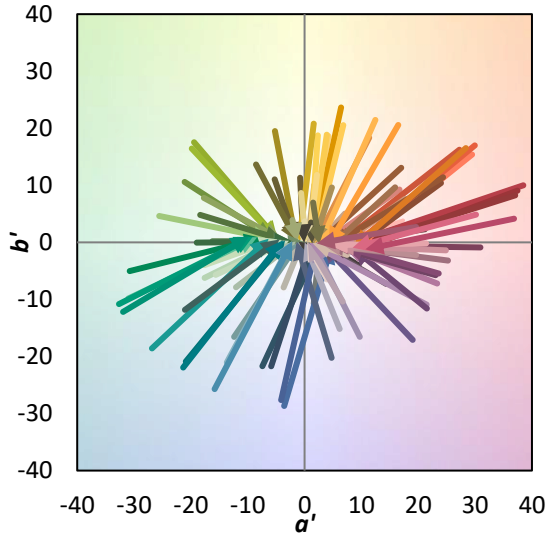


Color Vector Graphics









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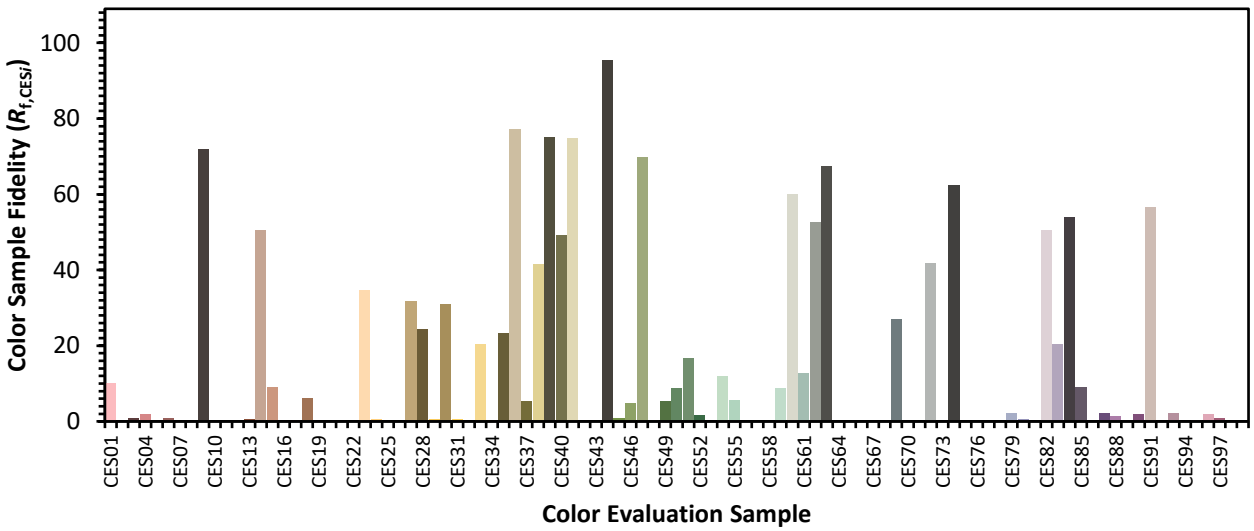
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 90	CES26 = 0	CES51 = 17	CES76 = 0
CES02 = 70	CES27 = 32	CES52 = 2	CES77 = 0
CES03 = 31	CES28 = 24	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 1	CES54 = 12	CES79 = 2
CES05 = 52	CES30 = 31	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 1	CES56 = 0	CES81 = 0
CES07 = 41	CES32 = 0	CES57 = 0	CES82 = 50
CES08 = 38	CES33 = 21	CES58 = 0	CES83 = 21
CES09 = 29	CES34 = 0	CES59 = 9	CES84 = 54
CES10 = 87	CES35 = 23	CES60 = 60	CES85 = 9
CES11 = 70	CES36 = 77	CES61 = 13	CES86 = 0
CES12 = 76	CES37 = 5	CES62 = 53	CES87 = 2
CES13 = 47	CES38 = 41	CES63 = 68	CES88 = 1
CES14 = 77	CES39 = 75	CES64 = 0	CES89 = 0
CES15 = 74	CES40 = 49	CES65 = 0	CES90 = 2
CES16 = 49	CES41 = 75	CES66 = 0	CES91 = 57
CES17 = 56	CES42 = 0	CES67 = 0	CES92 = 0
CES18 = 60	CES43 = 0	CES68 = 0	CES93 = 2
CES19 = 80	CES44 = 95	CES69 = 27	CES94 = 0
CES20 = 71	CES45 = 1	CES70 = 0	CES95 = 0
CES21 = 94	CES46 = 5	CES71 = 0	CES96 = 2
CES22 = 87	CES47 = 70	CES72 = 42	CES97 = 1
CES23 = 94	CES48 = 0	CES73 = 0	CES98 = 0
CES24 = 95	CES49 = 5	CES74 = 62	CES99 = 0
CES25 = 79	CES50 = 9	CES75 = 0	



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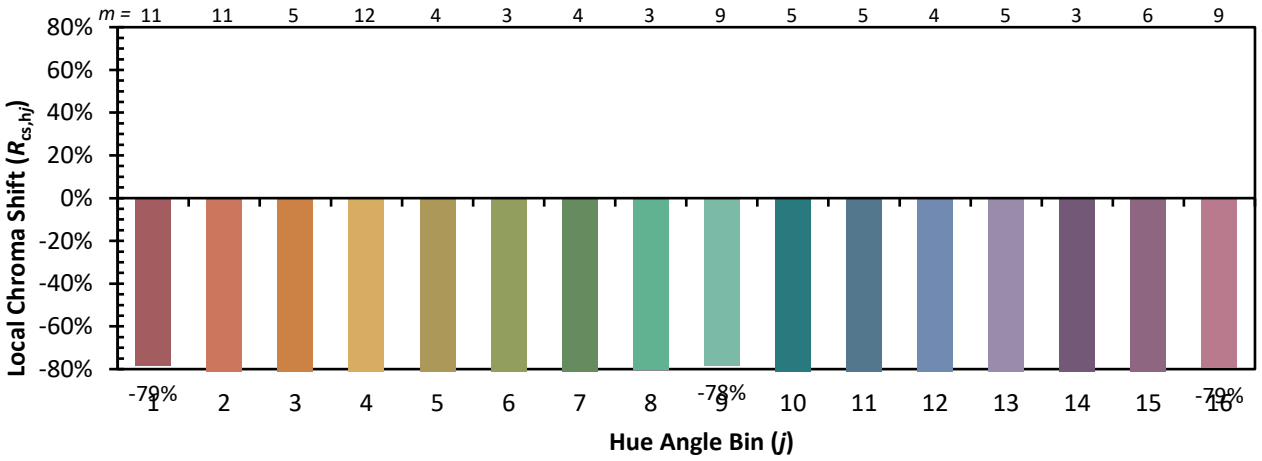
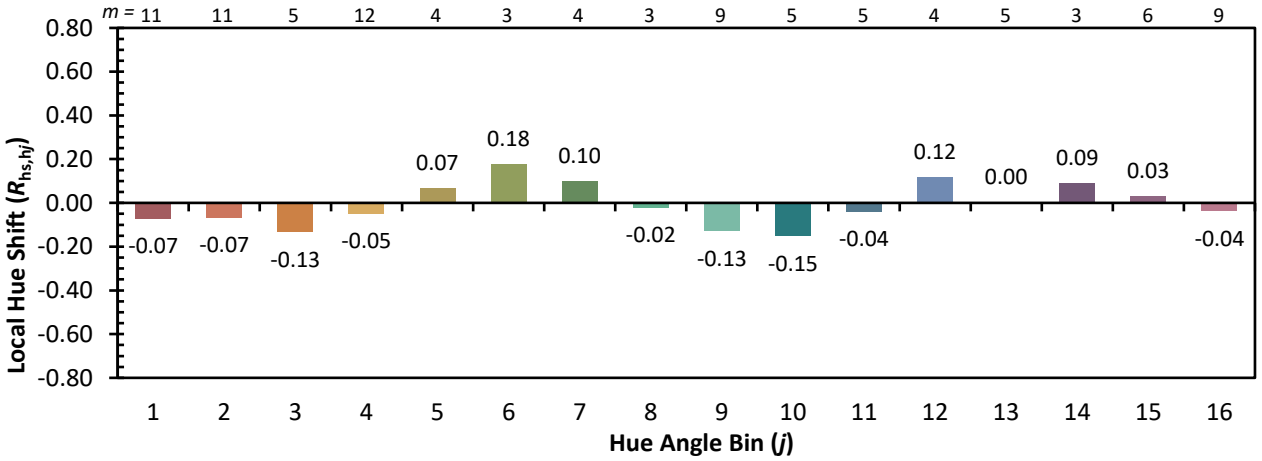
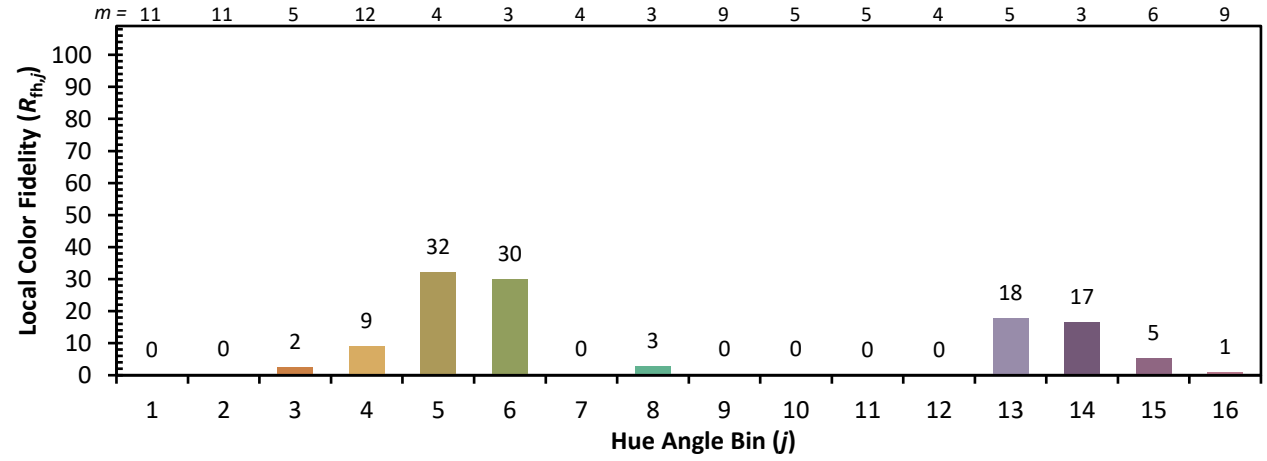
Color Rendition by Hue-Angle Bin







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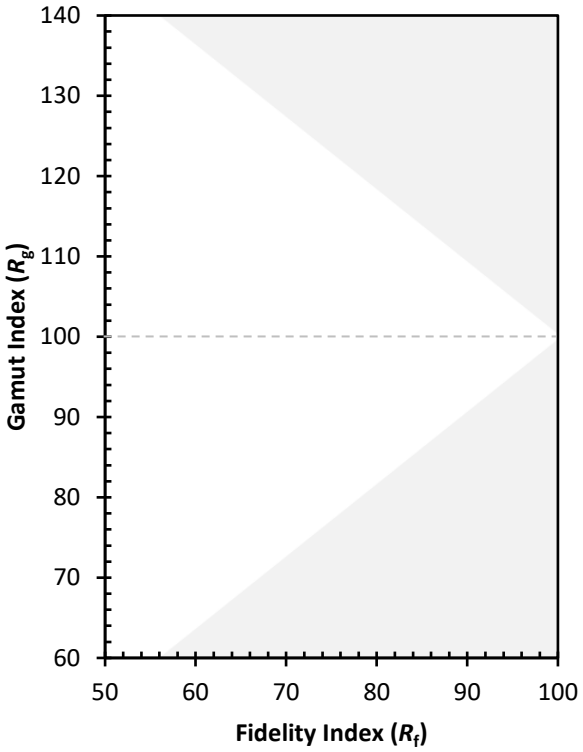
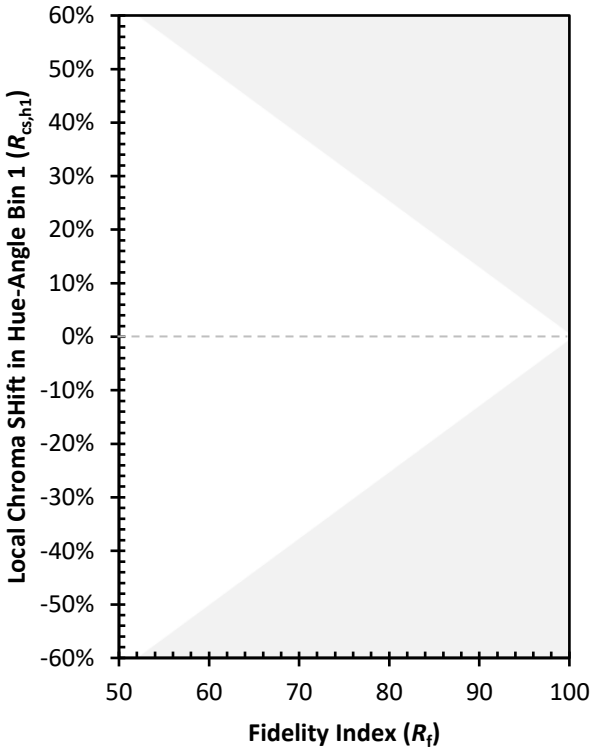
Measure Comparisons





(END OF REPORT)