

Signify Classified - Internal
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: LUMARK

Report Number: P1067475

Luminaire Tested: **NAV-SA4C-730-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067475
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4C-730-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19984.7 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 190.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



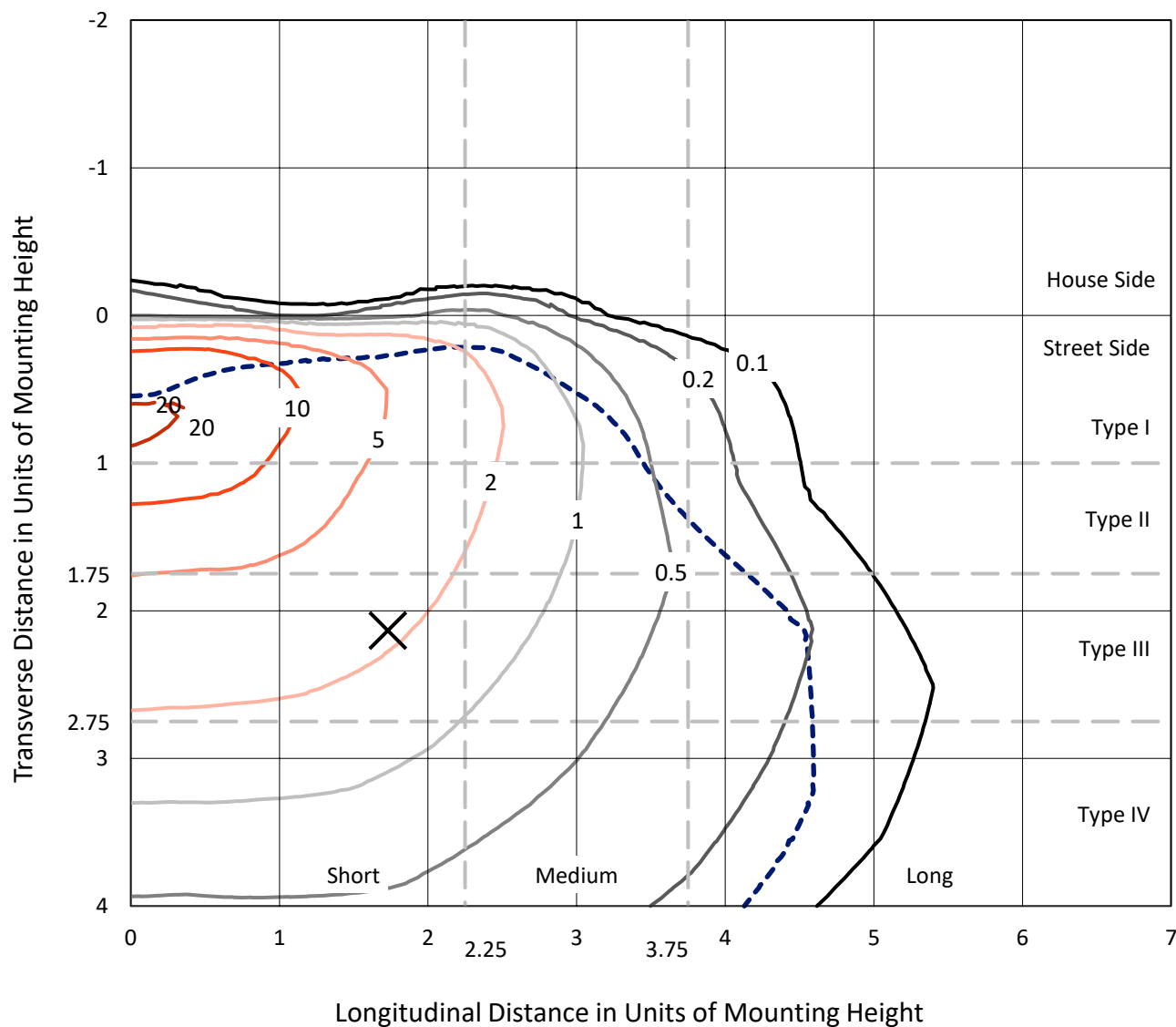
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CATALOG NUMBER: NAV-SA4C-730-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

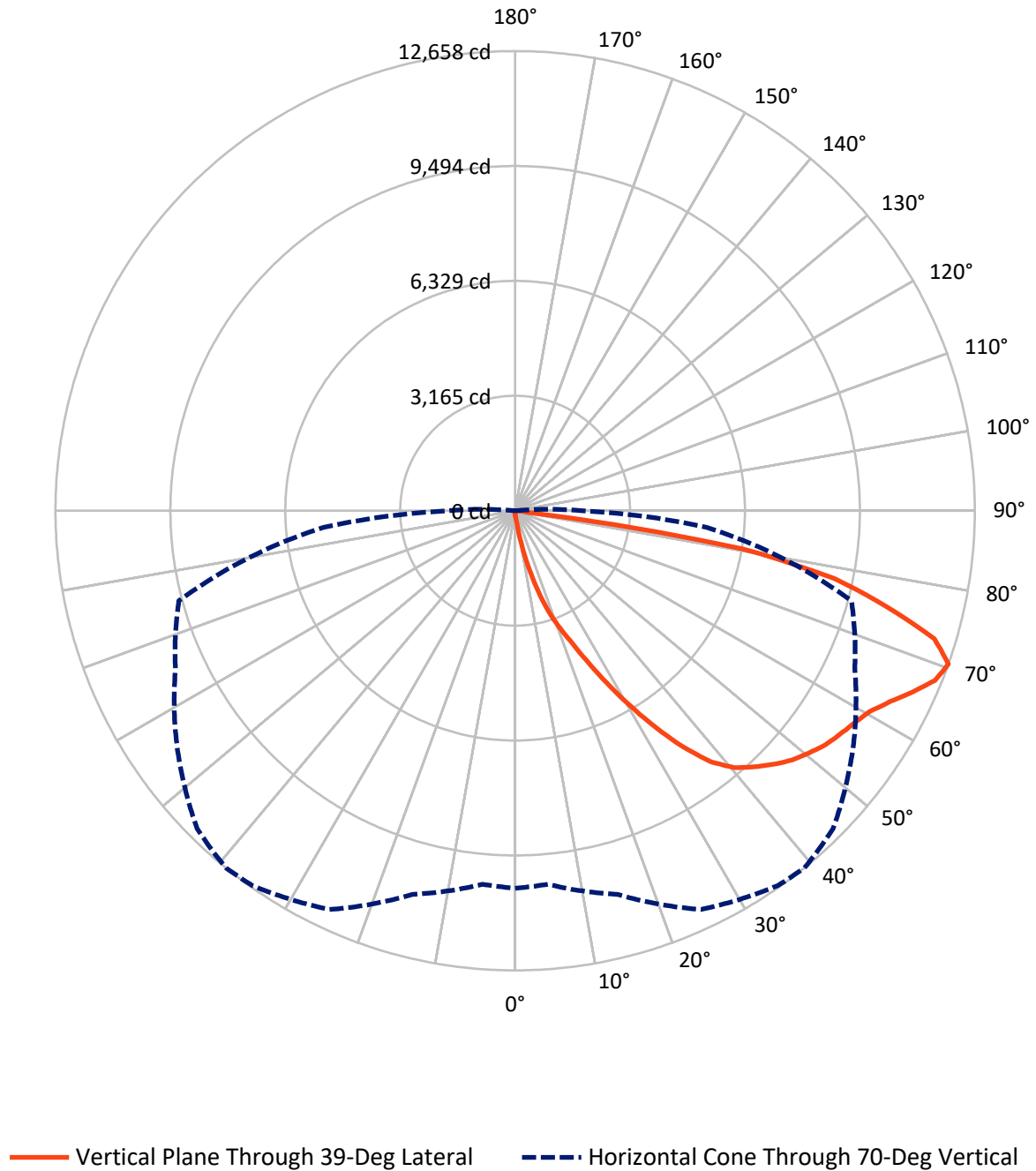


Based on 15 foot mounting height. Maximum calculated value = 21.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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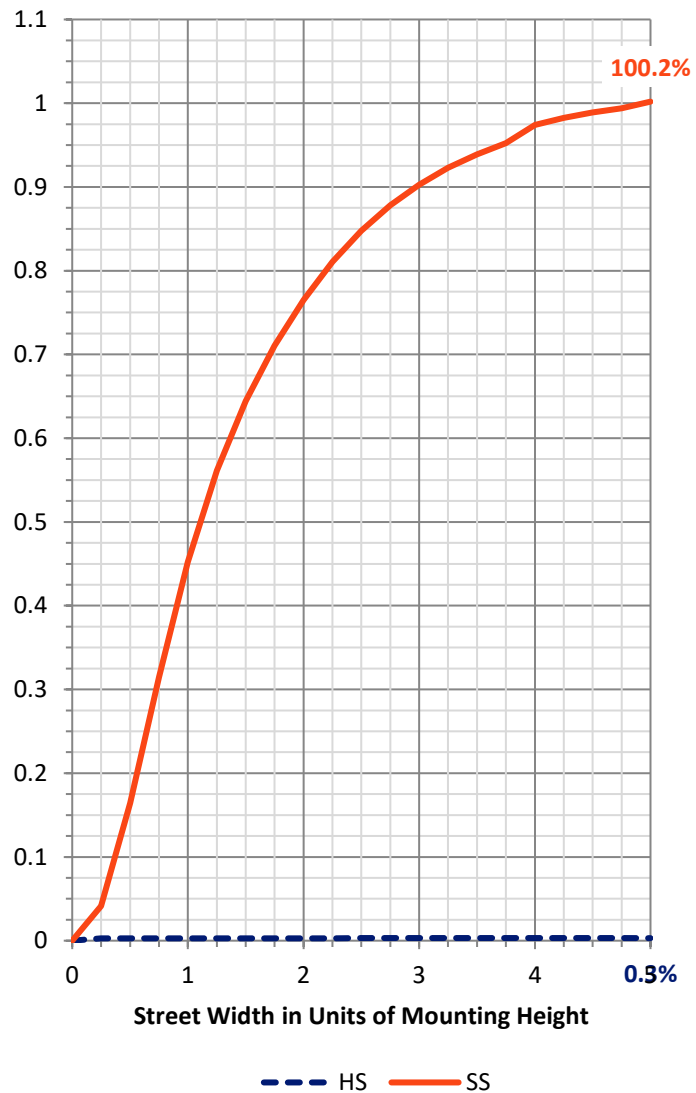
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	61.5	0.0	61.5
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	19923.2	0.0	19923.2
	% Fixture	99.7	0.0	99.7
Total	Lumens	19984.7	0.0	19984.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	0.1
10°-20°	245.7	1.2
20°-30°	833.7	4.2
30°-40°	1959.4	9.8
40°-50°	3181.7	15.9
50°-60°	4031.9	20.2
60°-70°	5121.5	25.6
70°-80°	4161.2	20.8
80°-90°	428.5	2.1
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°	19984.7	100.0
0°-180°	19984.7	100.0



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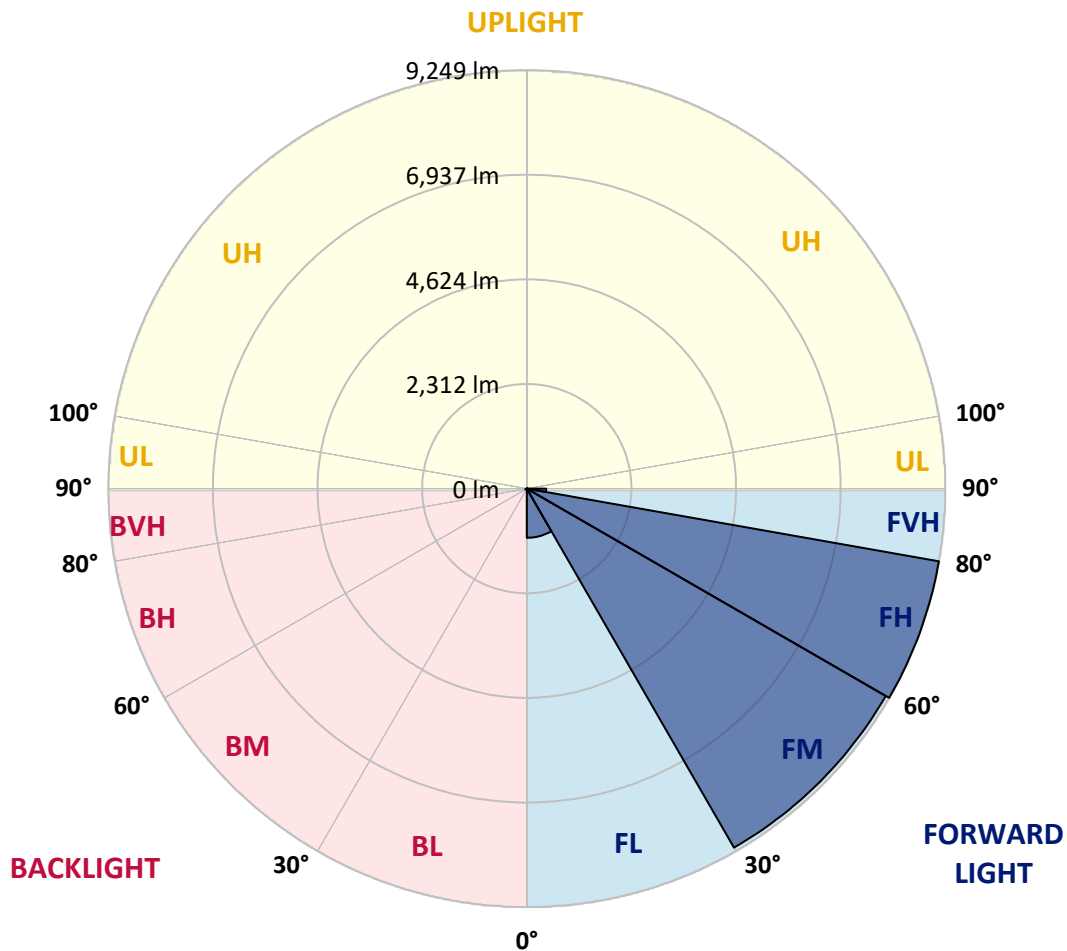
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1087.1	5.4			
FM	(30°-60°)	9161.2	45.8			
FH	(60°-80°)	9249.0	46.3			G4/12000
FVH	(80°-90°)	425.9	2.1			G3/500
BL	(0°-30°)	13.3	0.1	B0/110		
BM	(30°-60°)	11.8	0.1	B0/220		
BH	(60°-80°)	33.8	0.2	B0/110		G0/110
BVH	(80°-90°)	2.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5
2.5°	141.1	141.1	141.1	135.6	135.6	130.2	130.2	124.8	119.4	119.4	113.9
5°	265.9	271.3	255.0	222.5	200.8	189.9	179.1	151.9	135.6	124.8	113.9
7.5°	727.1	705.4	672.8	564.3	434.1	369.0	314.7	222.5	162.8	130.2	113.9
10°	1530.1	1470.4	1378.1	1231.7	976.6	873.6	678.2	406.9	227.9	146.5	113.9
12.5°	2246.3	2257.1	2143.2	2002.1	1692.8	1519.2	1253.4	765.0	358.1	173.6	113.9
15°	2788.9	2778.0	2734.6	2620.7	2343.9	2175.7	1937.0	1285.9	602.3	217.0	119.4
17.5°	3217.5	3174.1	3157.8	3109.0	2929.9	2837.7	2577.2	1893.6	954.9	293.0	124.8
20°	3646.1	3635.3	3619.0	3564.7	3445.4	3380.3	3179.5	2506.7	1421.6	417.8	135.6
22.5°	4270.1	4210.4	4221.3	4101.9	4004.2	3890.3	3727.5	3157.8	1958.7	596.8	151.9
25°	5002.6	4997.1	4910.3	4856.1	4693.3	4568.5	4351.5	3787.2	2555.5	862.7	168.2
27.5°	5865.3	5805.6	5767.6	5675.4	5507.2	5366.1	5067.7	4411.2	3201.2	1161.1	189.9
30°	6766.0	6766.0	6695.4	6554.3	6391.6	6218.0	5914.1	5067.7	3841.5	1540.9	217.0
32.5°	7818.6	7840.3	7666.6	7455.0	7243.4	7124.1	6728.0	5811.0	4454.6	1975.0	249.6
35°	8838.6	8811.5	8523.9	8290.6	8133.3	8003.0	7666.6	6624.9	5149.1	2479.6	293.0
37.5°	9815.2	9744.7	9267.2	8936.3	8865.7	8778.9	8442.5	7438.8	5838.1	3038.4	347.3
40°	10515.2	10406.7	9912.9	9457.1	9354.1	9305.2	9044.8	8176.7	6565.2	3662.4	417.8
42.5°	10819.0	10694.2	10352.4	9983.4	9755.6	9641.6	9413.7	8778.9	7292.3	4356.9	520.9
45°	10878.7	10781.0	10536.9	10450.1	10140.8	9967.2	9657.9	9207.6	7970.5	5046.0	661.9
47.5°	10661.7	10618.3	10471.8	10656.2	10498.9	10260.2	9885.8	9527.7	8572.7	5881.6	857.3
50°	10129.9	10097.4	10167.9	10650.8	10759.3	10488.0	10135.4	9777.3	9093.6	6744.3	1134.0
52.5°	9413.7	9408.3	9739.3	10509.7	10873.3	10705.1	10379.5	10026.9	9506.0	7579.8	1524.6
55°	8632.4	8724.7	9305.2	10379.5	10938.4	10862.4	10618.3	10249.3	9874.9	8355.7	2154.0
57.5°	8567.3	8529.3	9088.2	10325.3	10976.4	11019.8	10857.0	10482.6	10189.6	8990.5	2995.0
60°	9218.4	9131.6	9343.2	10439.2	11144.6	11220.5	11095.7	10661.7	10504.3	9489.7	4101.9
62.5°	9972.6	9891.2	9999.7	10878.7	11475.5	11584.1	11426.7	10846.1	10759.3	9836.9	5290.1
65°	10574.9	10509.7	10715.9	11535.2	11936.7	12029.0	11920.5	11188.0	10873.3	10119.1	6255.9
67.5°	10672.5	10591.1	11019.8	11974.7	12403.3	12468.5	12381.6	11518.9	10835.3	10140.8	6478.4
70°	10395.8	10325.3	10938.4	12115.8	12604.1	12658.4	12381.6	11361.6	10319.8	9587.4	5295.6
72.5°	9544.0	9598.2	10390.4	11774.0	12327.4	12077.8	11491.8	10569.4	9652.5	8127.8	3716.7
75°	8220.1	8279.7	9332.4	10835.3	10878.7	10574.9	10260.2	9723.0	8637.9	5355.3	2577.2
77.5°	5843.6	5632.0	7205.4	8947.1	8789.8	8985.1	9012.2	8089.8	7232.6	2788.9	1725.4
80°	575.1	488.3	906.1	2566.4	5669.9	6337.3	6597.8	6234.2	5333.5	1247.9	906.1
82.5°	124.8	124.8	135.6	146.5	227.9	341.8	1568.1	3841.5	3445.4	634.8	293.0
85°	70.5	70.5	86.8	103.1	135.6	151.9	179.1	238.7	927.8	227.9	54.3
87.5°	54.3	59.7	70.5	86.8	113.9	124.8	151.9	189.9	233.3	211.6	16.3
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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CATALOG NUMBER: NAV-SA4C-730-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5
2.5°	113.9	108.5	103.1	97.7	92.2	92.2	86.8	86.8	86.8	86.8	86.8
5°	108.5	103.1	97.7	86.8	81.4	76.0	70.5	70.5	70.5	70.5	70.5
7.5°	108.5	103.1	92.2	81.4	70.5	65.1	59.7	54.3	54.3	59.7	59.7
10°	108.5	97.7	81.4	70.5	59.7	54.3	48.8	43.4	43.4	43.4	43.4
12.5°	103.1	92.2	76.0	65.1	54.3	43.4	32.6	27.1	27.1	27.1	27.1
15°	97.7	86.8	70.5	54.3	38.0	27.1	21.7	16.3	16.3	16.3	16.3
17.5°	97.7	81.4	65.1	48.8	27.1	16.3	10.9	5.4	5.4	5.4	10.9
20°	97.7	81.4	59.7	38.0	16.3	10.9	10.9	5.4	0.0	5.4	5.4
22.5°	97.7	76.0	48.8	27.1	16.3	10.9	5.4	0.0	0.0	0.0	0.0
25°	103.1	76.0	43.4	21.7	10.9	5.4	0.0	0.0	0.0	0.0	0.0
27.5°	103.1	70.5	38.0	16.3	5.4	0.0	0.0	0.0	0.0	0.0	0.0
30°	108.5	70.5	32.6	10.9	5.4	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	108.5	65.1	21.7	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	108.5	59.7	16.3	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	108.5	54.3	16.3	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	113.9	48.8	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	119.4	43.4	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	124.8	38.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	141.1	38.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	162.8	38.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	195.3	38.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	255.0	32.6	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	369.0	32.6	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	618.5	32.6	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1085.2	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1833.9	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2392.8	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1817.6	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	868.1	21.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	385.2	21.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	168.2	16.3	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	65.1	10.9	5.4	5.4	5.4	5.4	0.0	0.0	0.0	0.0	0.0
82.5°	27.1	10.9	5.4	5.4	5.4	5.4	5.4	0.0	0.0	0.0	0.0
85°	16.3	10.9	10.9	10.9	5.4	5.4	5.4	0.0	0.0	0.0	0.0
87.5°	10.9	10.9	10.9	10.9	10.9	5.4	5.4	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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

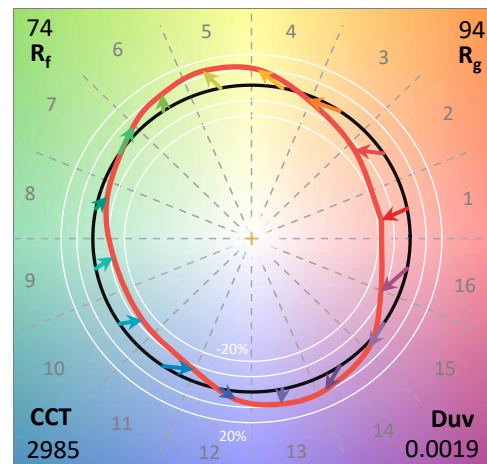
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-4
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-730-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2985
 CIE u' : 0.2504
 CIE v' : 0.5243
 Duv: 0.0019
 CIE x: 0.4408
 CIE y: 0.4101
 CIE z: 0.1491
 Peak Wavelength (nm): 595
 Dominant Wavelength (nm): 582
 Purity: 55.41818
 R_f: 73.8
 R_g: 94.4

CRI (Ra): 70.8
 R1: 66.3
 R2: 80.6
 R3: 94.5
 R4: 68.2
 R5: 66.5
 R6: 74.7
 R7: 76.2
 R8: 39.6
 R9: -43.2
 R10: 57.6
 R11: 64.8
 R12: 53.5
 R13: 68.7
 R14: 97.0
 R15: 56.4



Test Conditions

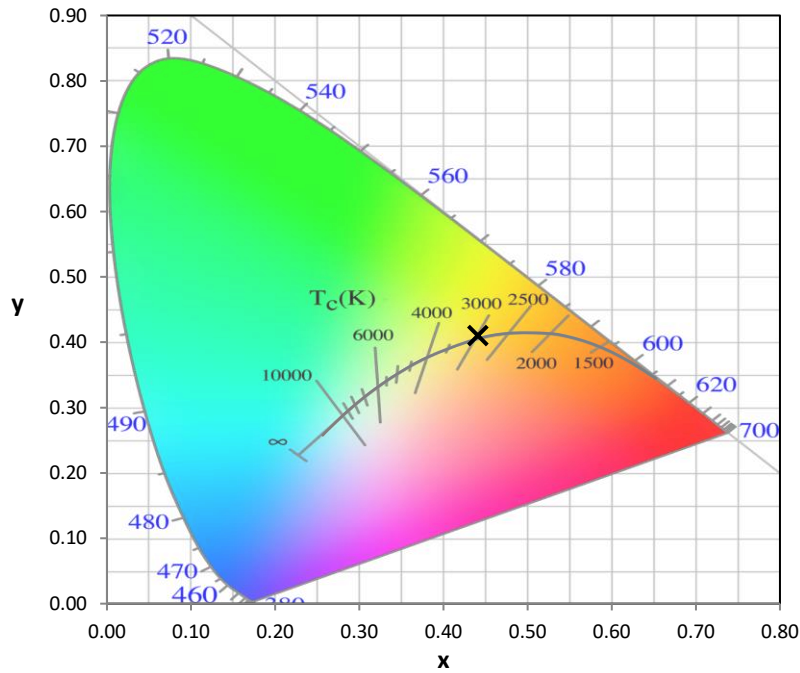
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

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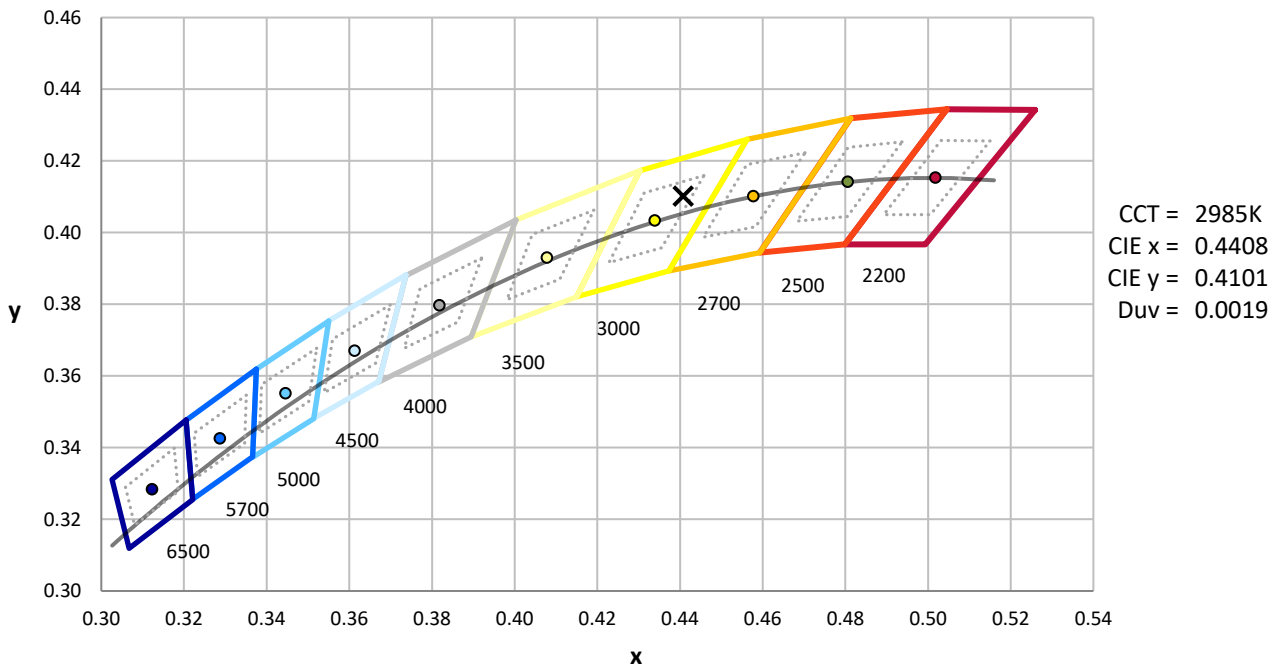
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



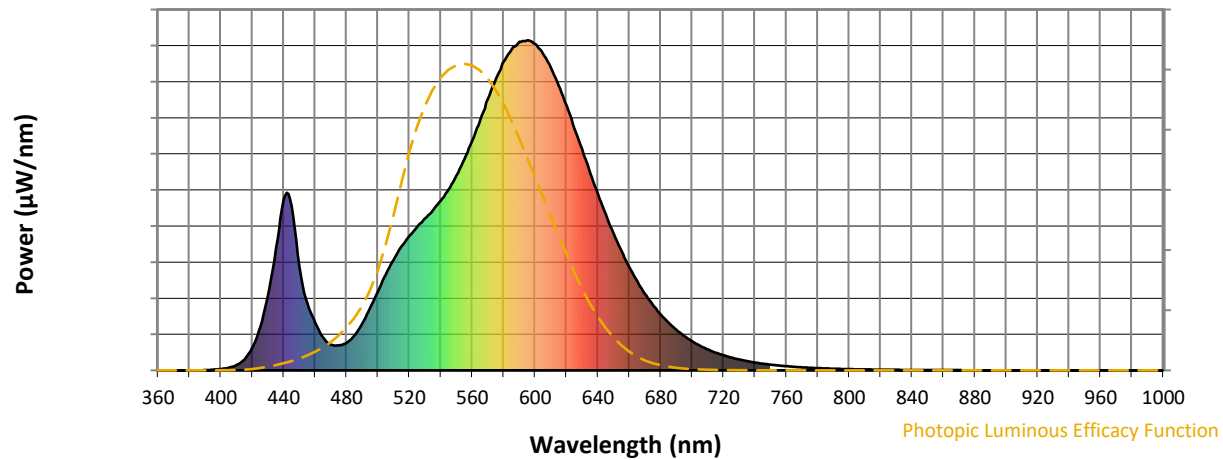
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

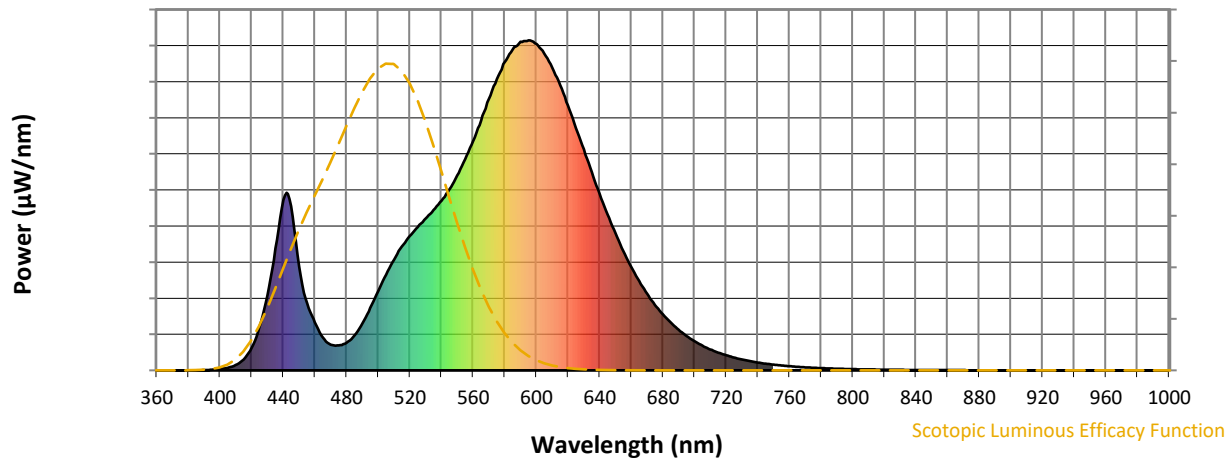


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



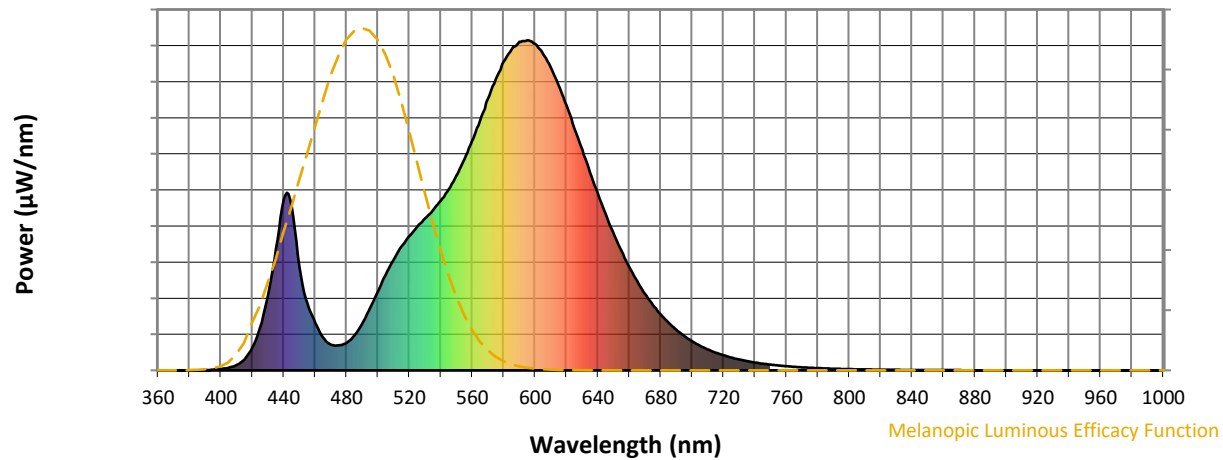
Scotopic Lumens: NR

S/P: 1.19

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.13

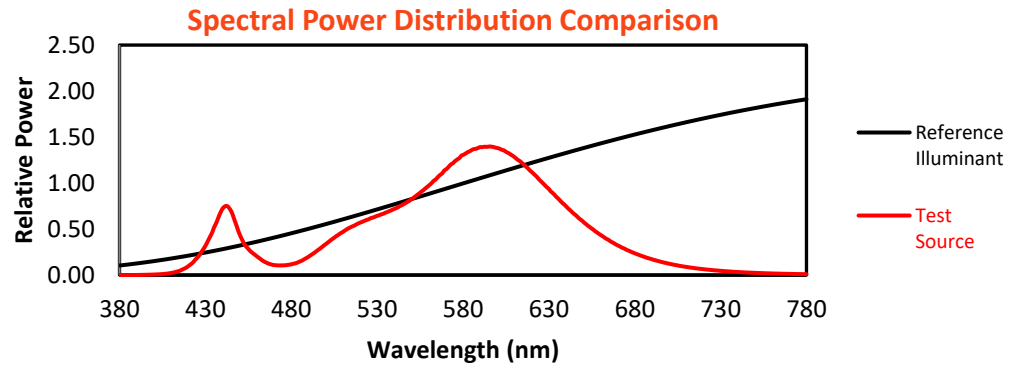
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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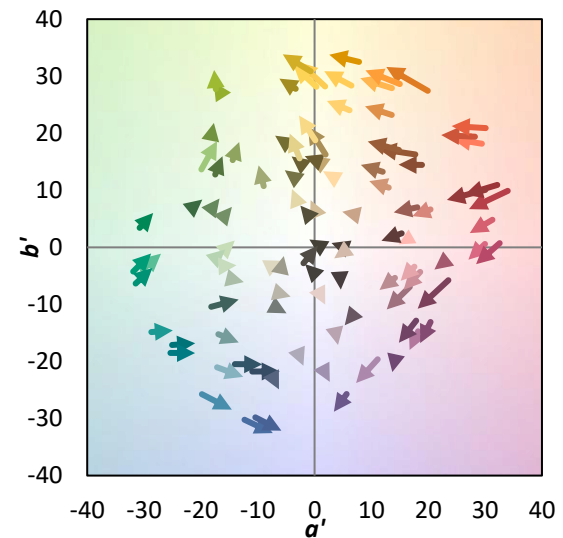
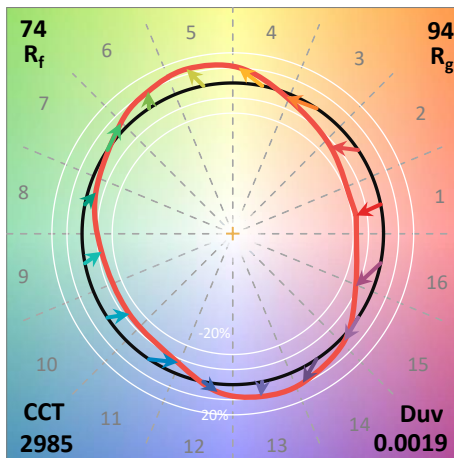
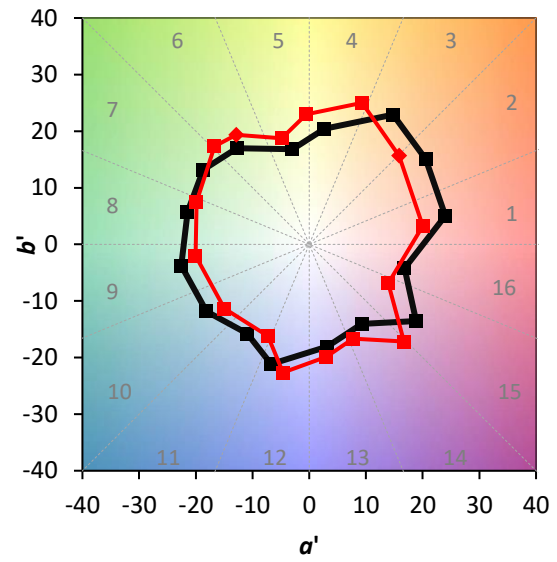
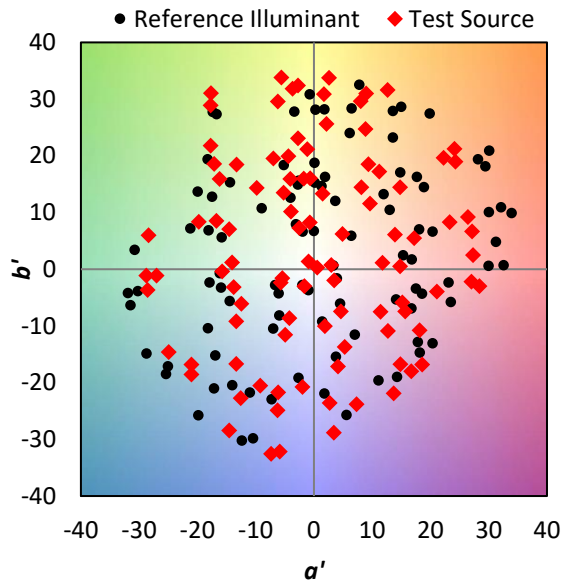
TM-30-18

Summary

$R_f = 73.8$
 $R_g = 94.4$
 $CIE R_a = 70.8$
 $R_g = -43.2$

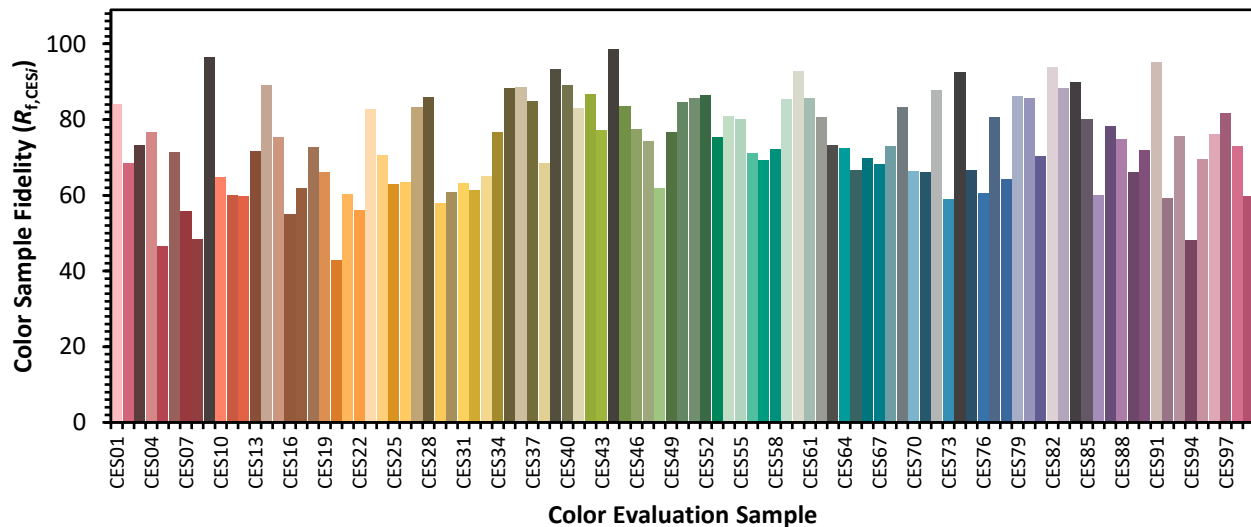


Color Vector Graphics

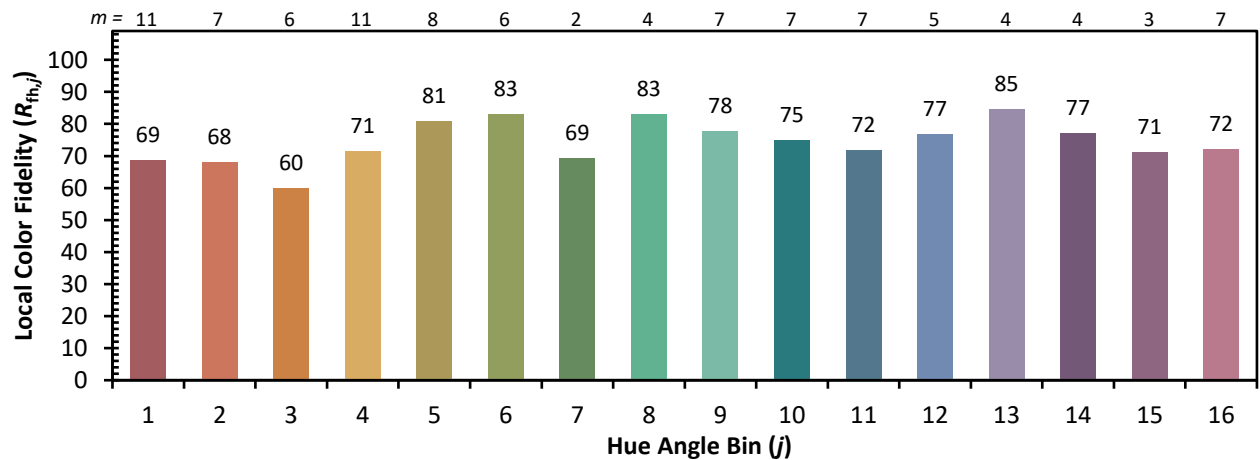
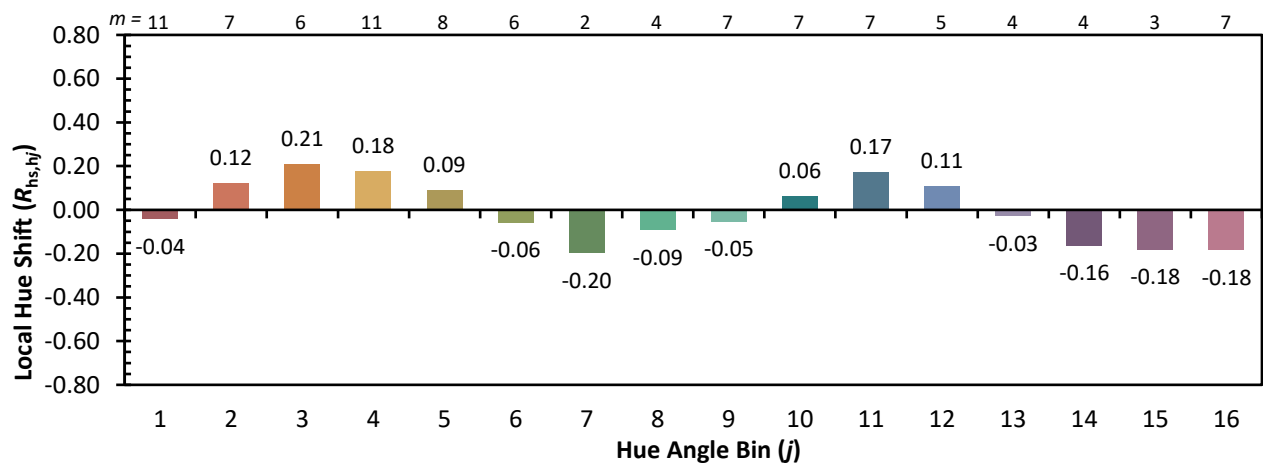
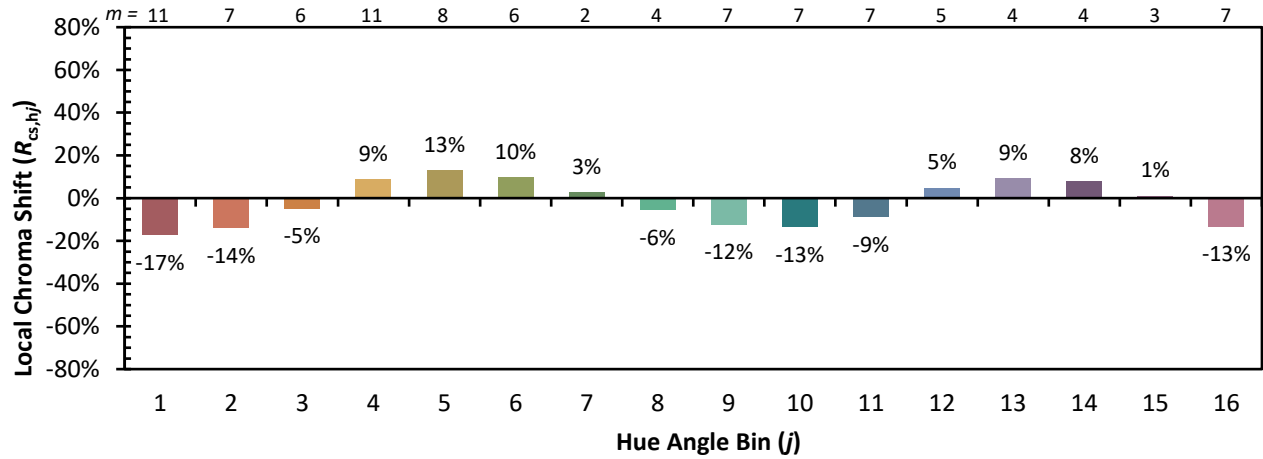


Individual Sample Fidelity Index ($R_{f,i}$)

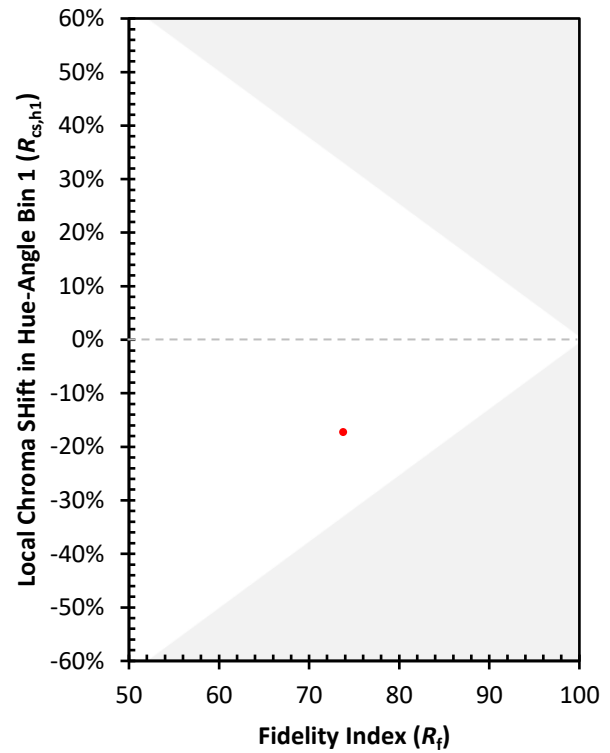
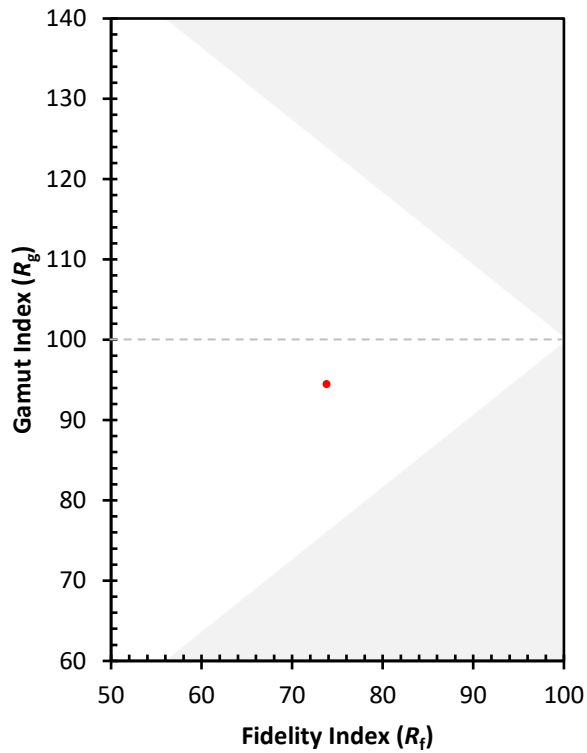
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)