

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: STREETWORKS

Report Number: P1065820

Luminaire Tested: **NVN-SA4D-735-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065820
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA4D-735-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 4xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23554.2 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 218.9
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



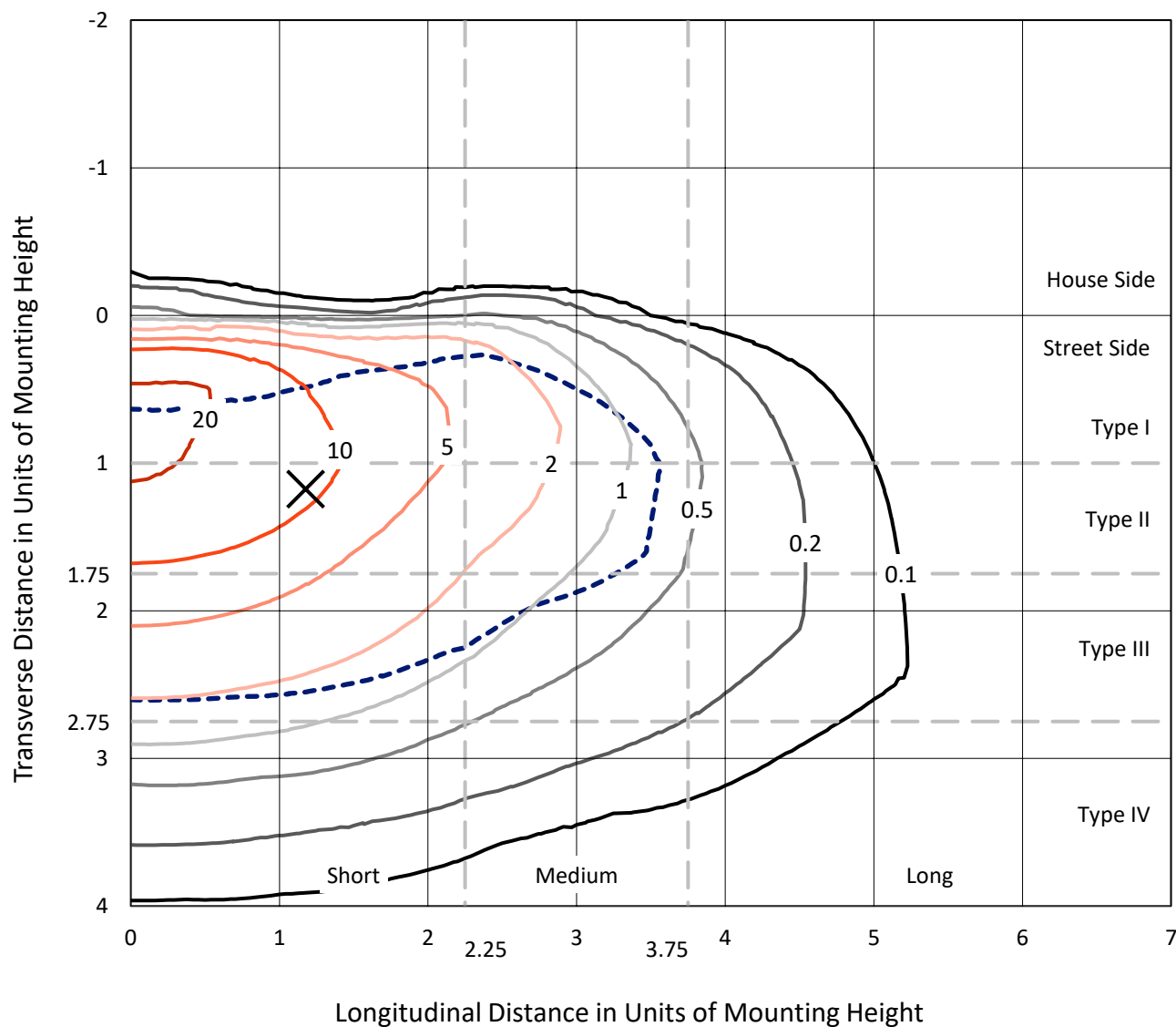
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CATALOG NUMBER: NVN-SA4D-735-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

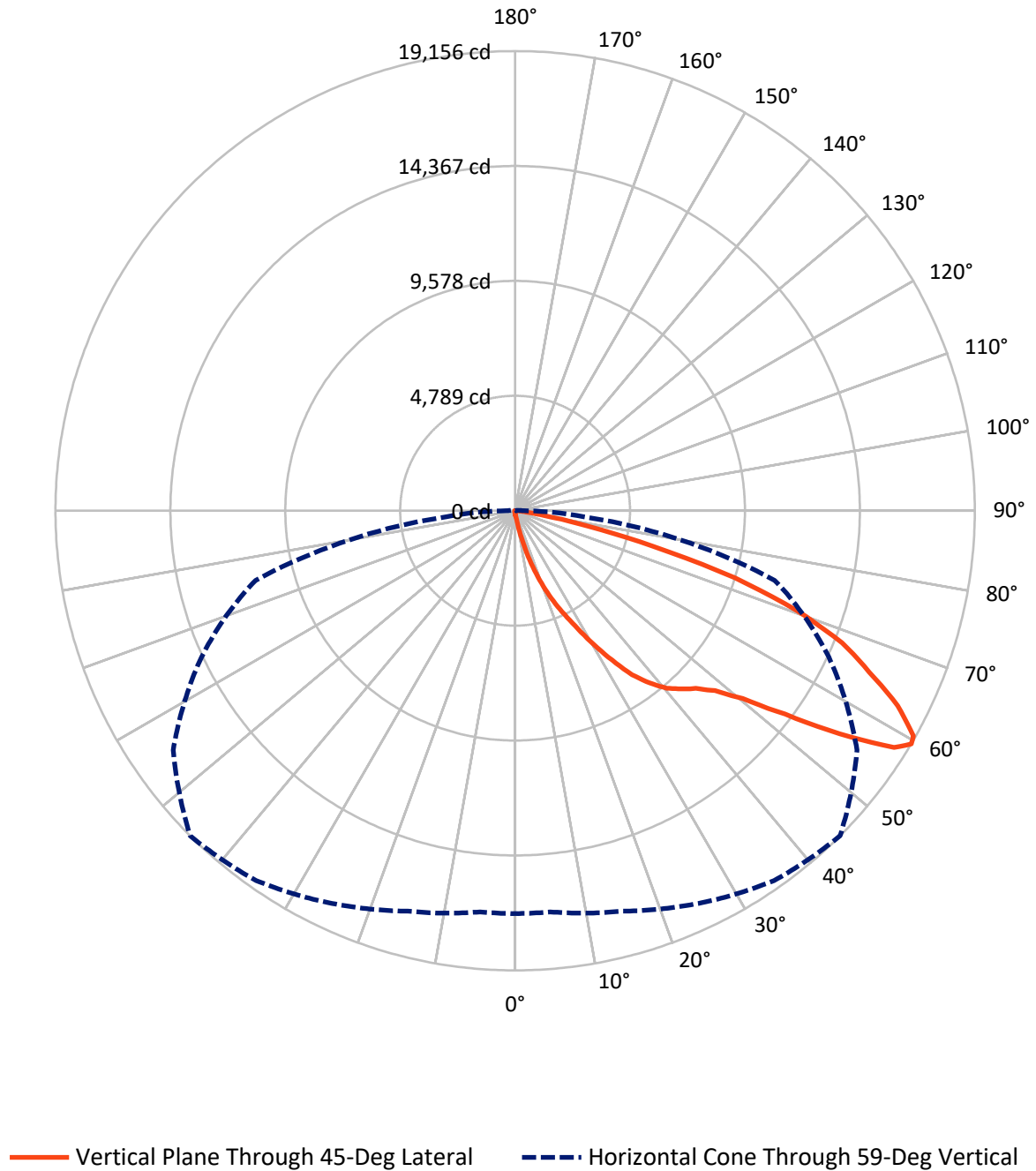


Based on 15 foot mounting height. Maximum calculated value = 25.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	83.6	0.0	83.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	23470.5	0.0	23470.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	23554.2	0.0	23554.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	0.1
10°-20°	260.3	1.1
20°-30°	935.4	4.0
30°-40°	2173.7	9.2
40°-50°	3705.0	15.7
50°-60°	6104.8	25.9
60°-70°	7058.5	30.0
70°-80°	3032.5	12.9
80°-90°	262.1	1.1
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°	23554.2	100.0
0°-180°	23554.2	100.0



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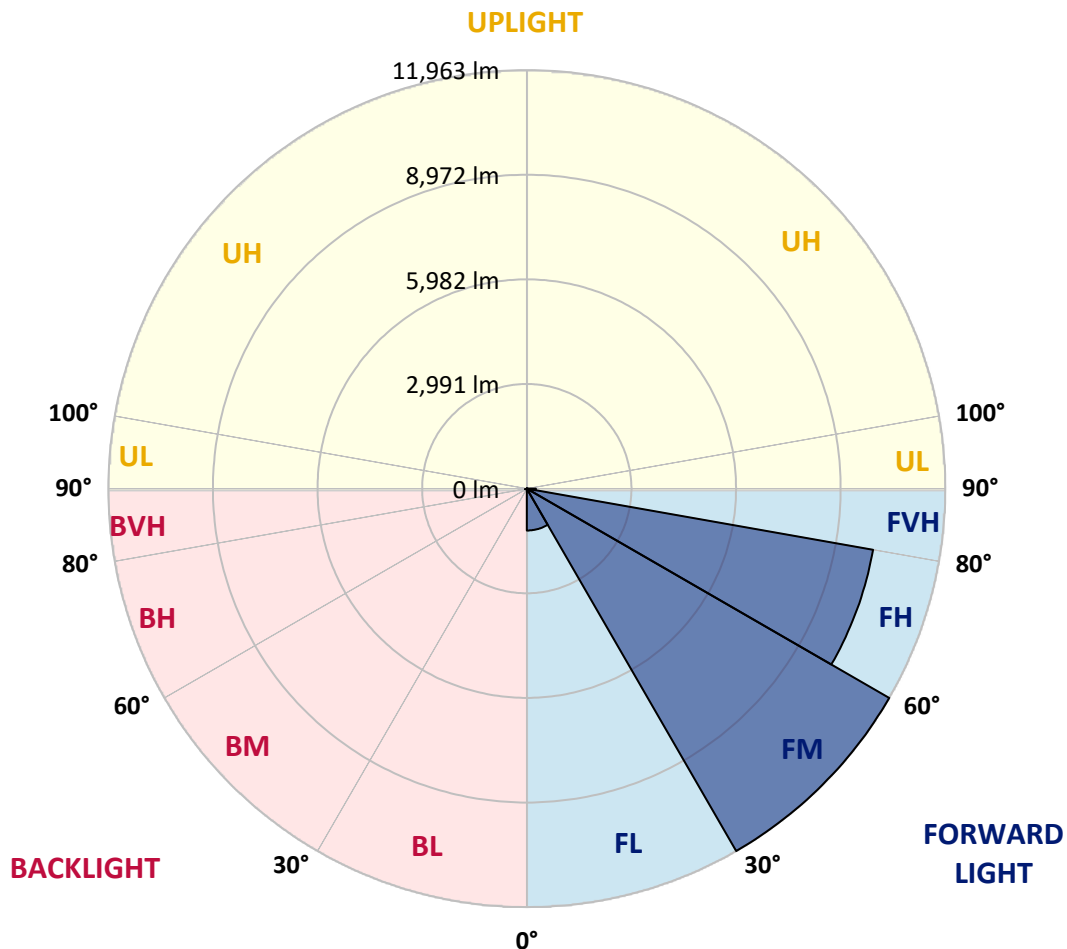
CATALOG NUMBER: NVN-SA4D-735-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1197.0	5.1			
FM	(30°-60°)	11963.2	50.8			
FH	(60°-80°)	10051.7	42.7			G4/12000
FVH	(80°-90°)	258.6	1.1			G3/500
BL	(0°-30°)	20.6	0.1	B0/110		
BM	(30°-60°)	20.2	0.1	B0/220		
BH	(60°-80°)	39.3	0.2	B0/110		G0/110
BVH	(80°-90°)	3.4	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9
2.5°	193.2	193.2	188.5	182.1	180.6	175.8	175.8	171.0	164.7	160.0	153.6
5°	280.3	278.7	266.1	250.2	229.6	217.0	217.0	199.6	183.7	169.5	156.8
7.5°	612.9	598.7	552.7	476.7	376.9	310.4	305.7	248.7	210.6	182.1	158.4
10°	1406.4	1357.3	1292.4	1110.2	820.4	573.3	562.2	362.7	251.8	196.4	161.5
12.5°	2304.4	2344.0	2214.1	1927.5	1588.5	1181.5	1102.3	611.3	332.6	215.4	164.7
15°	3121.6	3112.1	3039.3	2804.9	2413.7	1872.0	1822.9	1062.7	476.7	245.5	167.9
17.5°	3733.0	3721.9	3652.2	3501.8	3200.8	2659.2	2616.4	1694.7	747.5	288.2	171.0
20°	4377.6	4363.3	4265.1	4144.8	3881.9	3421.0	3370.3	2401.0	1170.4	357.9	171.0
22.5°	5150.5	5123.6	5019.0	4814.7	4537.6	4136.9	4090.9	3123.2	1694.7	472.0	179.0
25°	6084.9	6039.0	5894.9	5711.1	5377.0	4844.8	4795.7	3927.8	2326.6	644.6	186.9
27.5°	7150.8	7158.7	6963.9	6653.5	6205.3	5662.0	5570.2	4648.4	2980.7	891.7	196.4
30°	8416.3	8337.1	8063.1	7702.0	7266.4	6574.3	6485.6	5365.9	3715.6	1255.9	212.2
32.5°	9600.9	9515.4	9146.4	8691.8	8224.6	7494.5	7421.6	6172.0	4383.9	1686.7	240.7
35°	10617.7	10557.5	10041.2	9486.9	9071.9	8419.4	8397.2	7071.6	5169.5	2150.8	272.4
37.5°	11512.6	11403.3	10739.7	10164.8	9743.5	9159.1	9111.5	7895.2	5926.5	2689.3	319.9
40°	12275.9	12215.8	11406.4	10651.0	10308.9	9786.2	9726.0	8617.4	6708.9	3314.9	378.5
42.5°	13093.2	13014.0	12228.4	11381.1	10750.8	10191.7	10152.1	9212.9	7405.8	4002.2	465.6
45°	14016.5	13869.2	13180.3	12420.1	11461.9	10611.4	10567.0	9743.5	8120.1	4740.3	571.7
47.5°	15003.2	14874.9	14317.5	13783.7	12681.4	11303.5	11208.5	10194.8	8829.6	5592.4	706.4
50°	16007.4	16010.5	15592.4	15335.8	14171.7	12428.0	12293.4	10858.5	9575.6	6504.6	905.9
52.5°	17176.2	17206.3	17199.9	17009.9	16107.1	14266.8	14086.2	11865.7	10441.9	7568.9	1181.5
55°	17665.6	17719.4	18069.4	18490.7	18245.2	16598.1	16404.9	13603.2	11590.2	8755.2	1590.1
57.5°	17264.9	17325.1	17808.1	18546.2	19110.0	18639.6	18617.4	15864.8	13102.7	10193.3	2258.5
59°	16788.2	16780.2	17276.0	18058.4	18818.6	19124.3	19155.9	17394.8	14420.4	11202.1	2835.0
60°	16471.4	16477.7	16807.2	17610.1	18417.9	18948.5	19072.0	18295.9	15190.1	11927.5	3329.1
62.5°	15248.7	15321.6	15582.9	16328.9	17095.4	17687.8	17898.4	19098.9	17393.2	13641.2	5047.5
65°	13919.9	13924.7	14296.9	14935.1	15670.0	16086.5	16219.6	17849.3	18864.5	15386.5	7301.3
67.5°	11549.0	11645.6	12068.5	13102.7	14073.5	14601.0	14702.3	15537.0	18254.8	16523.7	8430.5
70°	8082.1	8208.8	8812.2	10153.7	11599.7	12466.0	12459.7	12915.8	16066.0	16016.9	7147.6
72.5°	4035.5	4254.1	4746.6	6183.1	7934.8	9295.3	9581.9	10389.7	12906.3	13303.8	5332.6
75°	1783.3	1796.0	2076.3	2800.1	3943.6	5671.5	5928.1	8246.8	9901.8	9246.2	3851.8
77.5°	1037.4	1046.9	1097.6	1257.5	1598.0	2779.5	3067.8	5408.6	6997.2	5373.8	2511.9
80°	376.9	386.4	384.9	476.7	700.0	1094.4	1219.5	2621.2	4667.4	2830.2	1316.1
82.5°	231.2	231.2	223.3	224.9	255.0	419.7	459.3	1116.6	2272.7	1393.7	376.9
85°	114.0	120.4	128.3	144.1	171.0	207.5	220.1	319.9	765.0	337.3	90.3
87.5°	68.1	69.7	76.0	91.9	114.0	148.9	158.4	217.0	274.0	226.5	22.2
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: NVN-SA4D-735-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9
2.5°	150.5	148.9	141.0	134.6	128.3	122.0	117.2	112.4	112.4	114.0	112.4
5°	150.5	144.1	131.5	120.4	110.9	102.9	95.0	88.7	87.1	87.1	88.7
7.5°	148.9	141.0	123.5	109.3	96.6	85.5	77.6	69.7	68.1	69.7	68.1
10°	147.3	137.8	117.2	99.8	82.4	71.3	60.2	52.3	52.3	52.3	53.8
12.5°	147.3	133.0	110.9	90.3	71.3	58.6	47.5	39.6	38.0	38.0	38.0
15°	145.7	129.9	104.5	79.2	60.2	44.3	34.8	26.9	26.9	26.9	26.9
17.5°	142.5	125.1	96.6	69.7	47.5	33.3	23.8	15.8	15.8	19.0	19.0
20°	139.4	120.4	87.1	57.0	39.6	25.3	15.8	9.5	9.5	14.3	15.8
22.5°	141.0	120.4	80.8	50.7	31.7	19.0	12.7	7.9	6.3	11.1	14.3
25°	142.5	117.2	72.9	44.3	23.8	14.3	9.5	3.2	1.6	3.2	4.8
27.5°	142.5	114.0	63.4	34.8	17.4	11.1	4.8	0.0	0.0	0.0	0.0
30°	141.0	109.3	55.4	28.5	12.7	6.3	1.6	0.0	0.0	0.0	0.0
32.5°	139.4	104.5	50.7	22.2	11.1	3.2	0.0	0.0	0.0	0.0	0.0
35°	141.0	98.2	44.3	17.4	6.3	0.0	0.0	0.0	0.0	0.0	3.2
37.5°	145.7	91.9	38.0	14.3	4.8	0.0	0.0	0.0	0.0	0.0	0.0
40°	152.0	87.1	31.7	11.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	164.7	87.1	28.5	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	180.6	87.1	23.8	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	201.1	88.7	20.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	226.5	91.9	19.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	245.5	88.7	17.4	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	278.7	85.5	15.8	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	323.1	80.8	15.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	367.4	74.4	15.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	418.1	71.3	14.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	690.5	63.4	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1333.6	60.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2155.5	60.2	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2266.4	60.2	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1507.8	49.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	807.7	44.3	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	435.5	41.2	6.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	191.6	30.1	7.9	4.8	3.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	76.0	20.6	9.5	7.9	6.3	3.2	0.0	0.0	0.0	0.0	0.0
85°	36.4	15.8	12.7	11.1	7.9	4.8	0.0	0.0	0.0	0.0	0.0
87.5°	17.4	15.8	14.3	12.7	11.1	7.9	1.6	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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

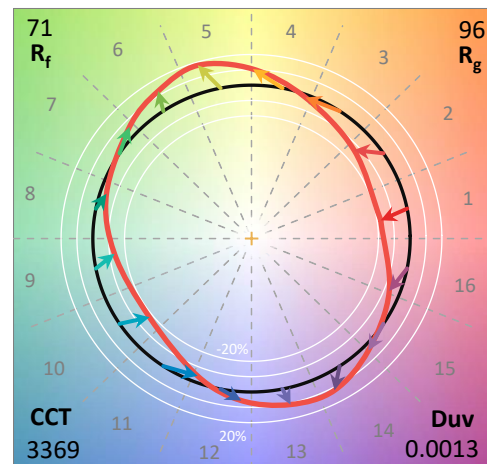
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-5
 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-735-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3369
 CIE u' : 0.2386
 CIE v' : 0.5156
 Duv: 0.0013
 CIE x: 0.4143
 CIE y: 0.3980
 CIE z: 0.1877
 Peak Wavelength (nm): 590
 Dominant Wavelength (nm): 580
 Purity: 43.80166
 R_f: 71.4
 R_g: 96

CRI (Ra): 70.1
 R1: 66.6
 R2: 77.6
 R3: 88.5
 R4: 69.5
 R5: 66.4
 R6: 69.6
 R7: 77.5
 R8: 44.9
 R9: -40.2
 R10: 49.1
 R11: 66.3
 R12: 45.7
 R13: 68.0
 R14: 93.4
 R15: 57.6



Test Conditions

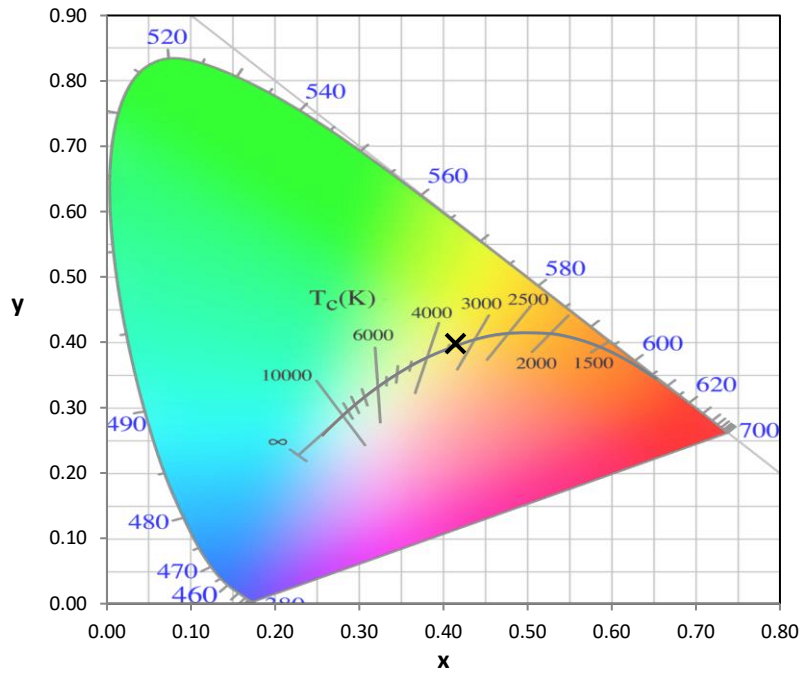
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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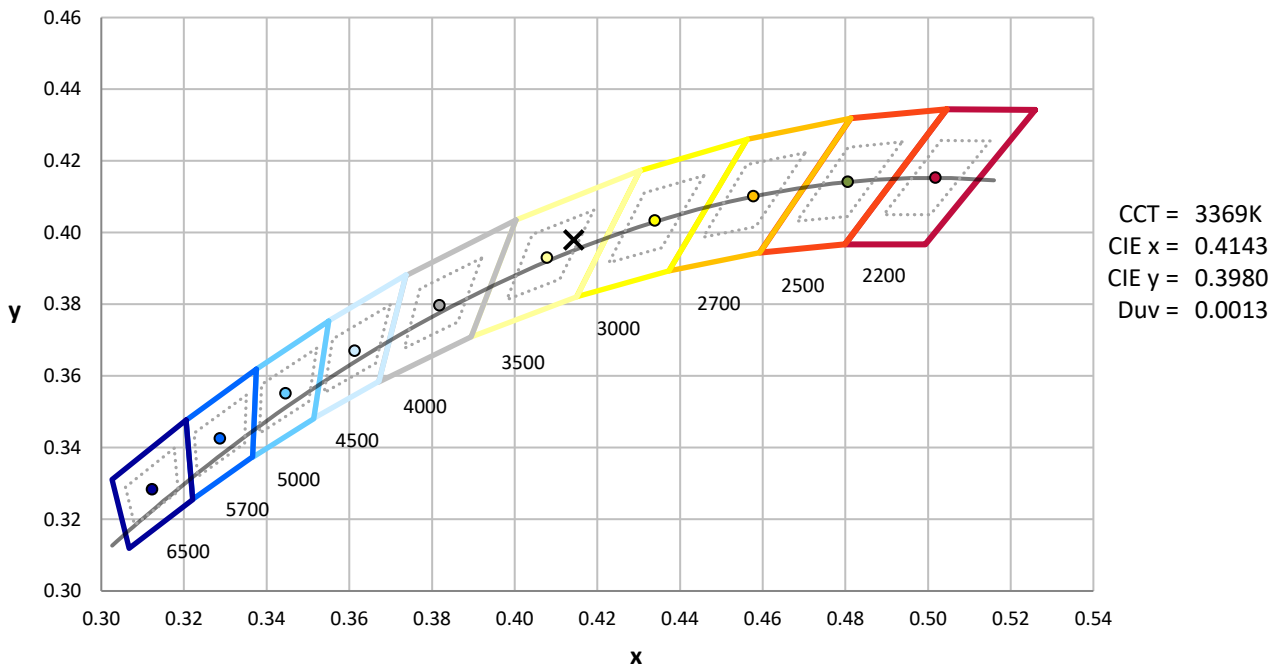
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



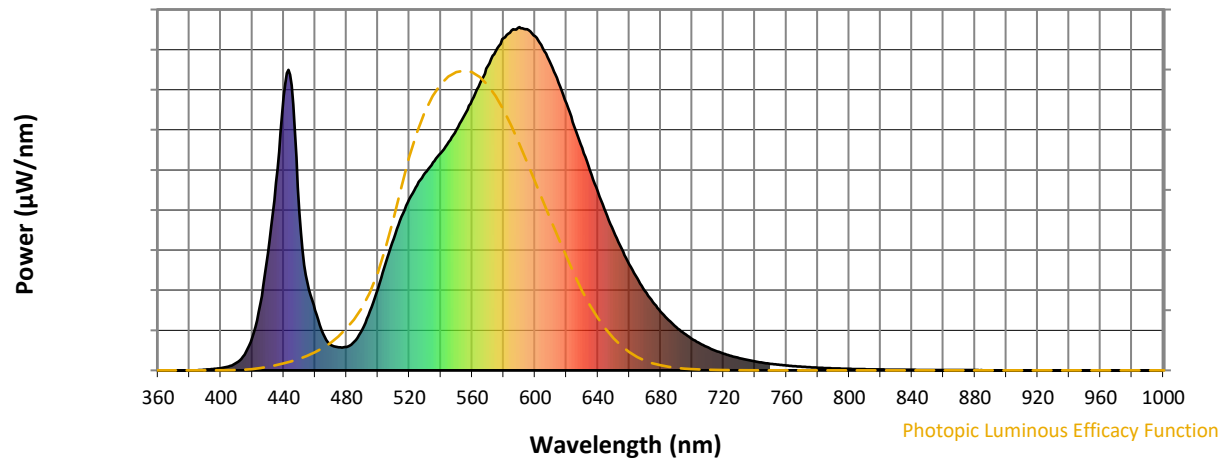
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength

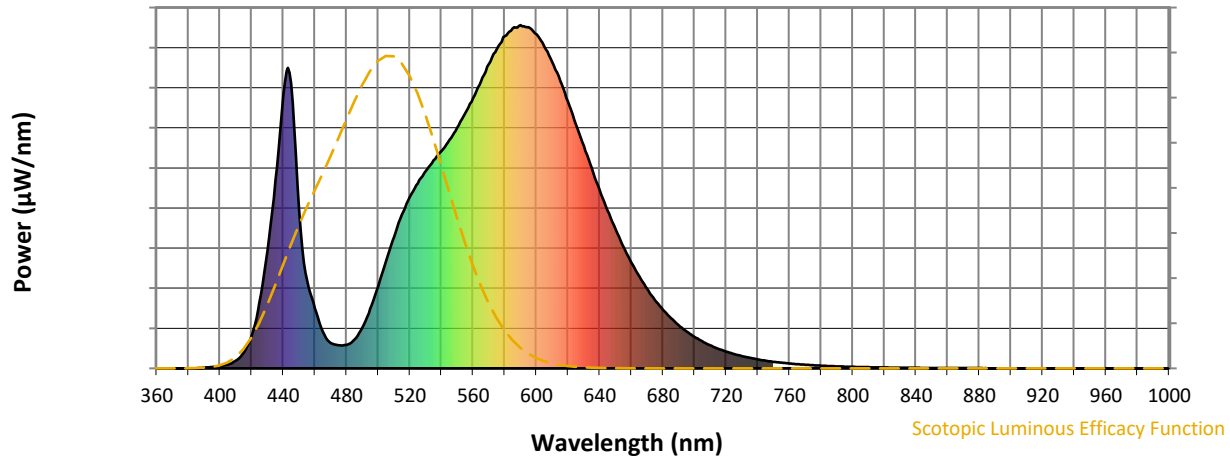


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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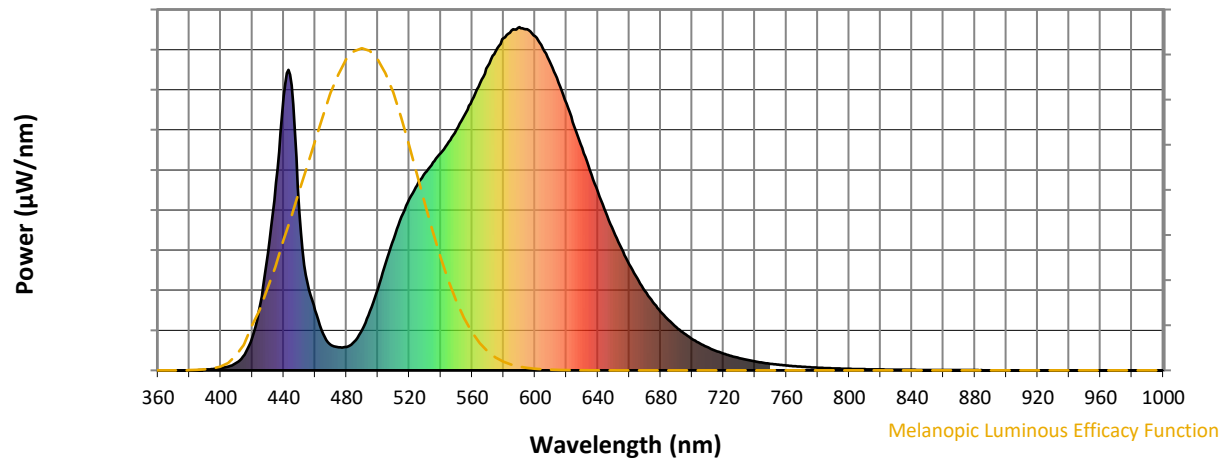
Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.29

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.36

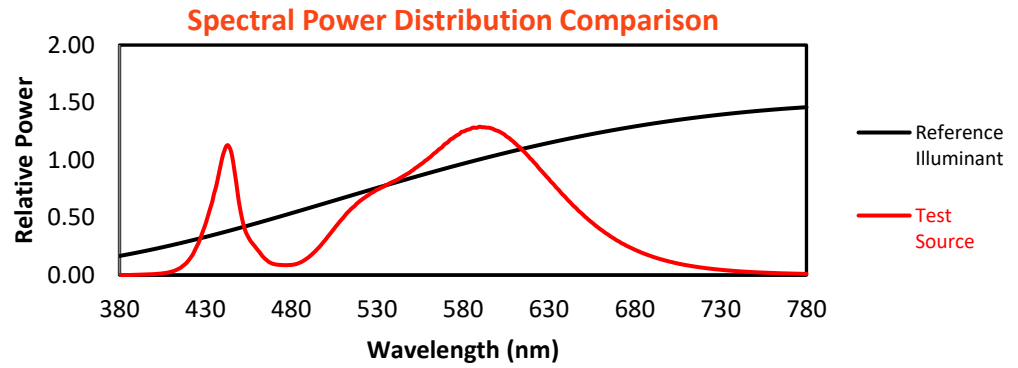
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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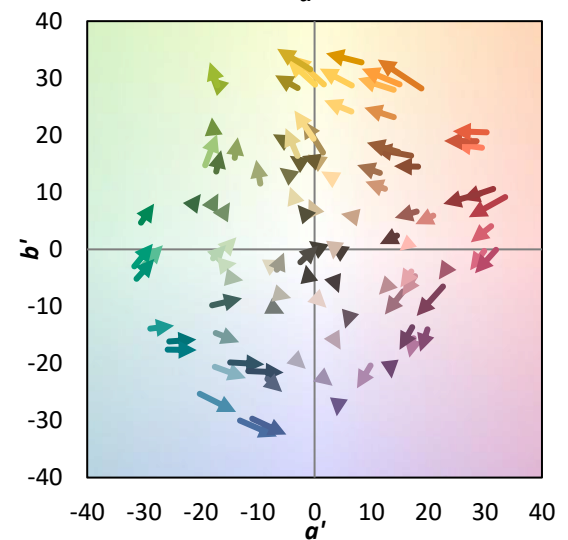
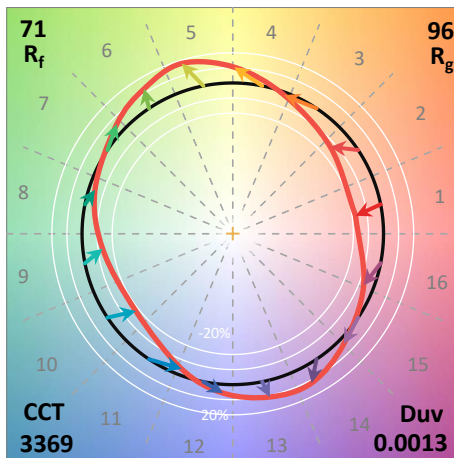
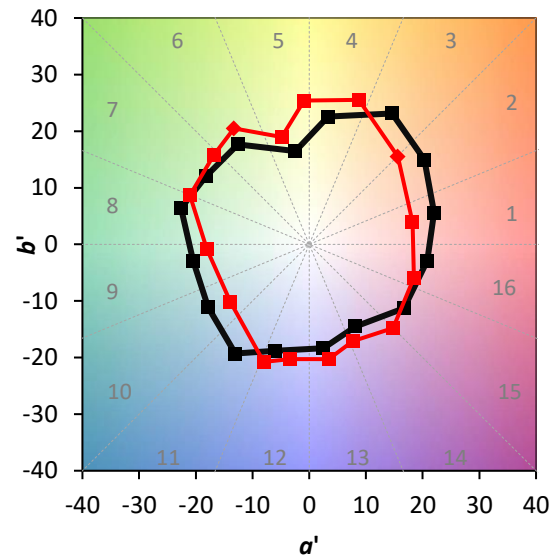
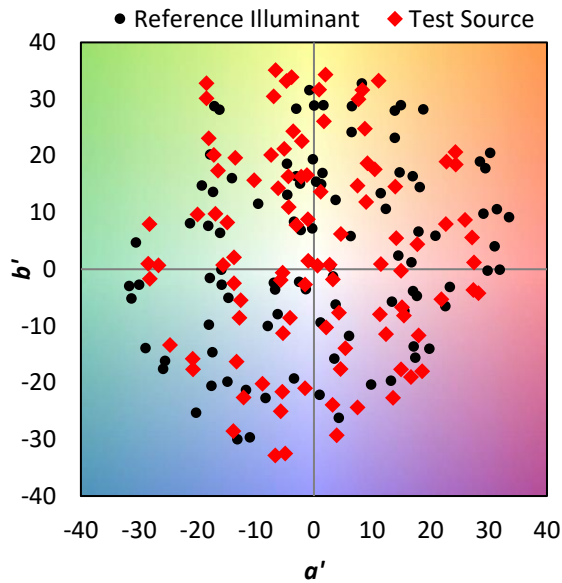
TM-30-18

Summary

$R_f = 71.4$
 $R_g = 96$
 CIE $R_a = 70.1$
 $R_g = -40.2$

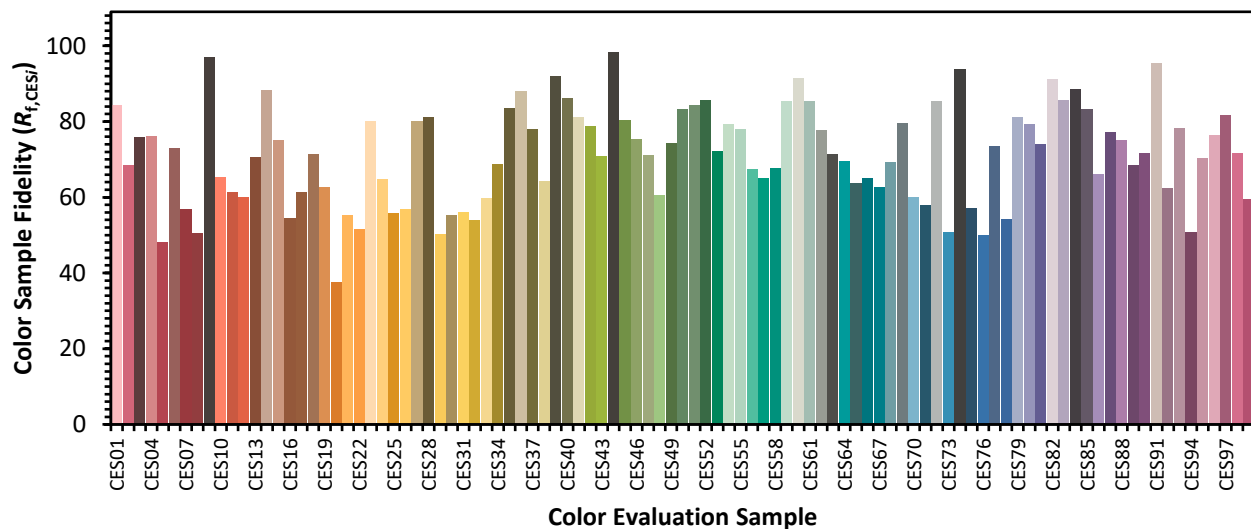


Color Vector Graphics

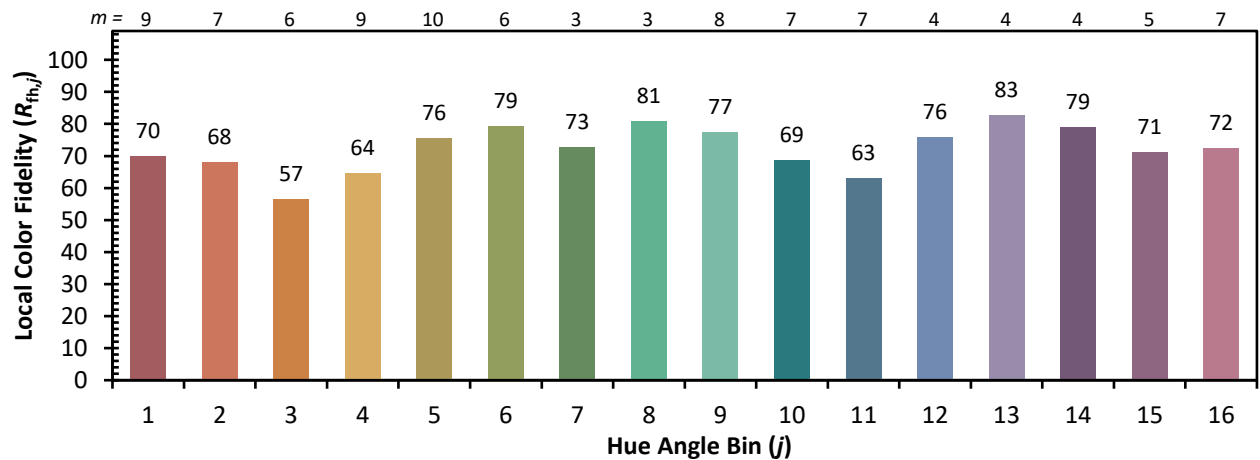
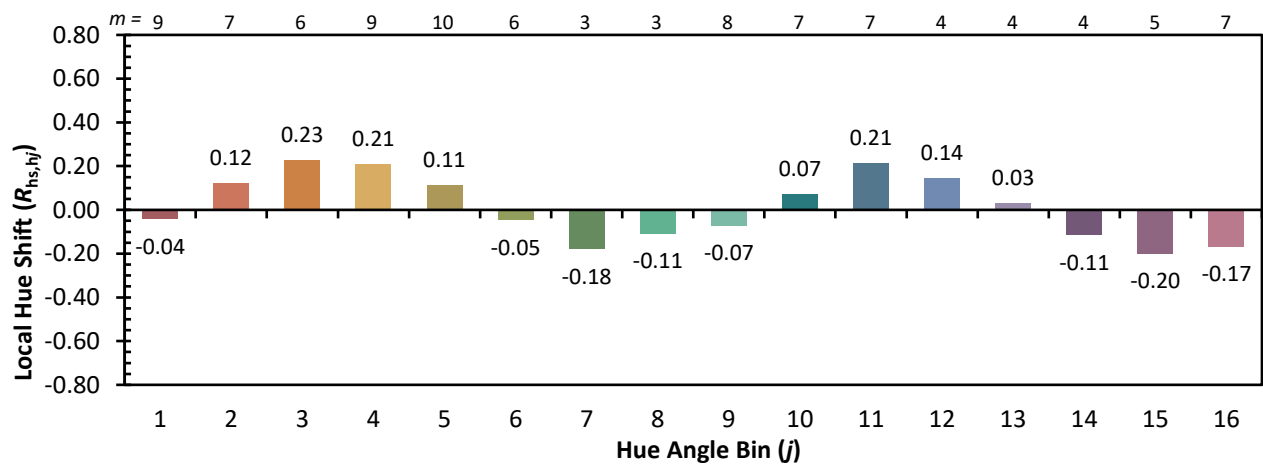
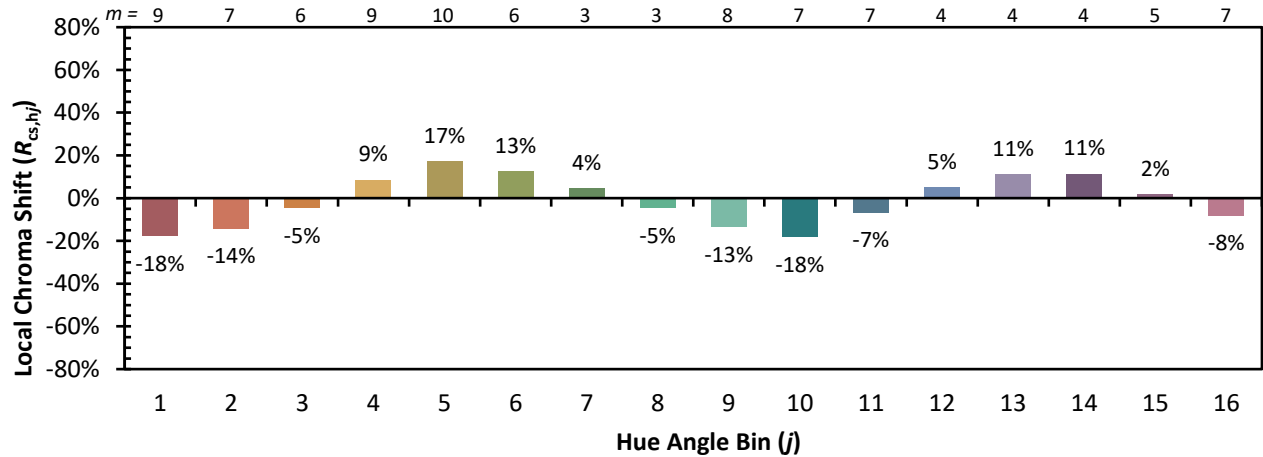


Individual Sample Fidelity Index ($R_{f,i}$)

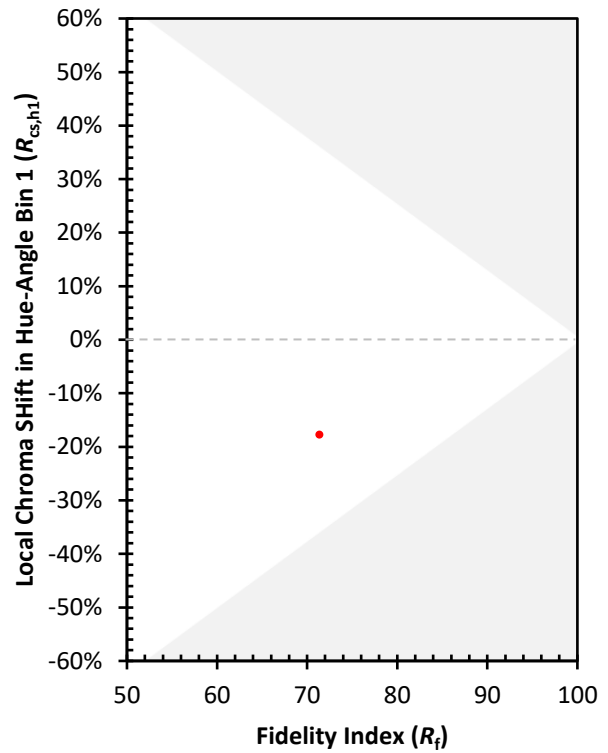
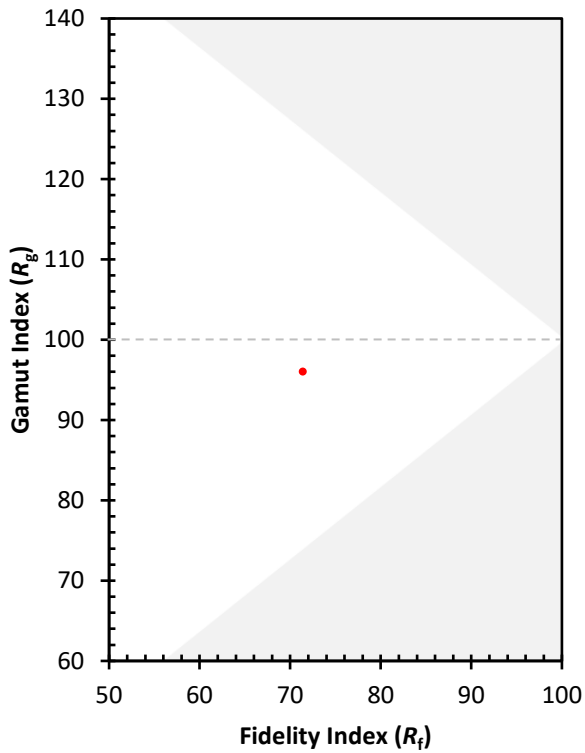
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)