

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: P1066912

Luminaire Tested: **NAV-SA1D-740-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066912
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1D-740-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 1xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (14) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6641 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 56.5
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

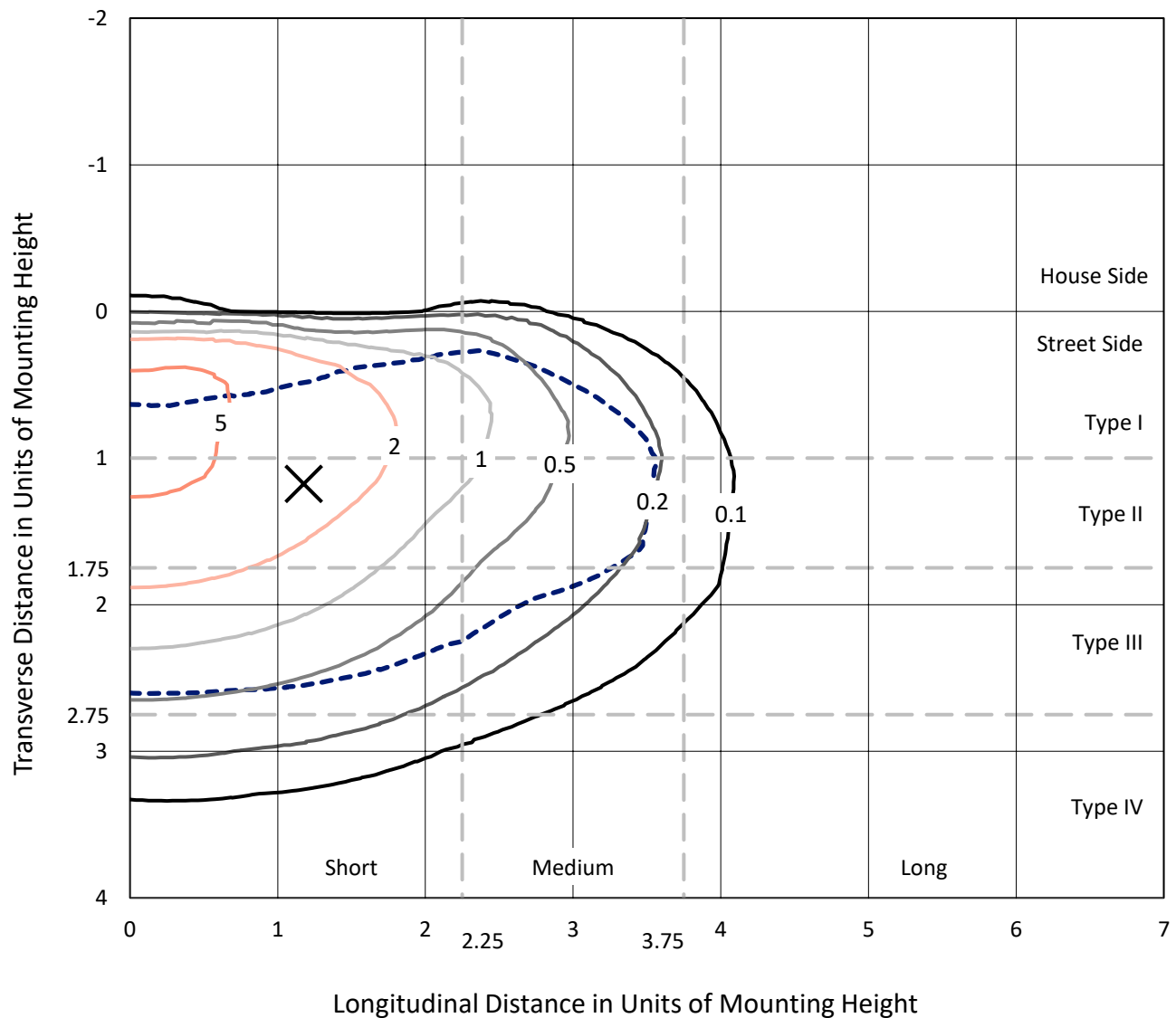


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

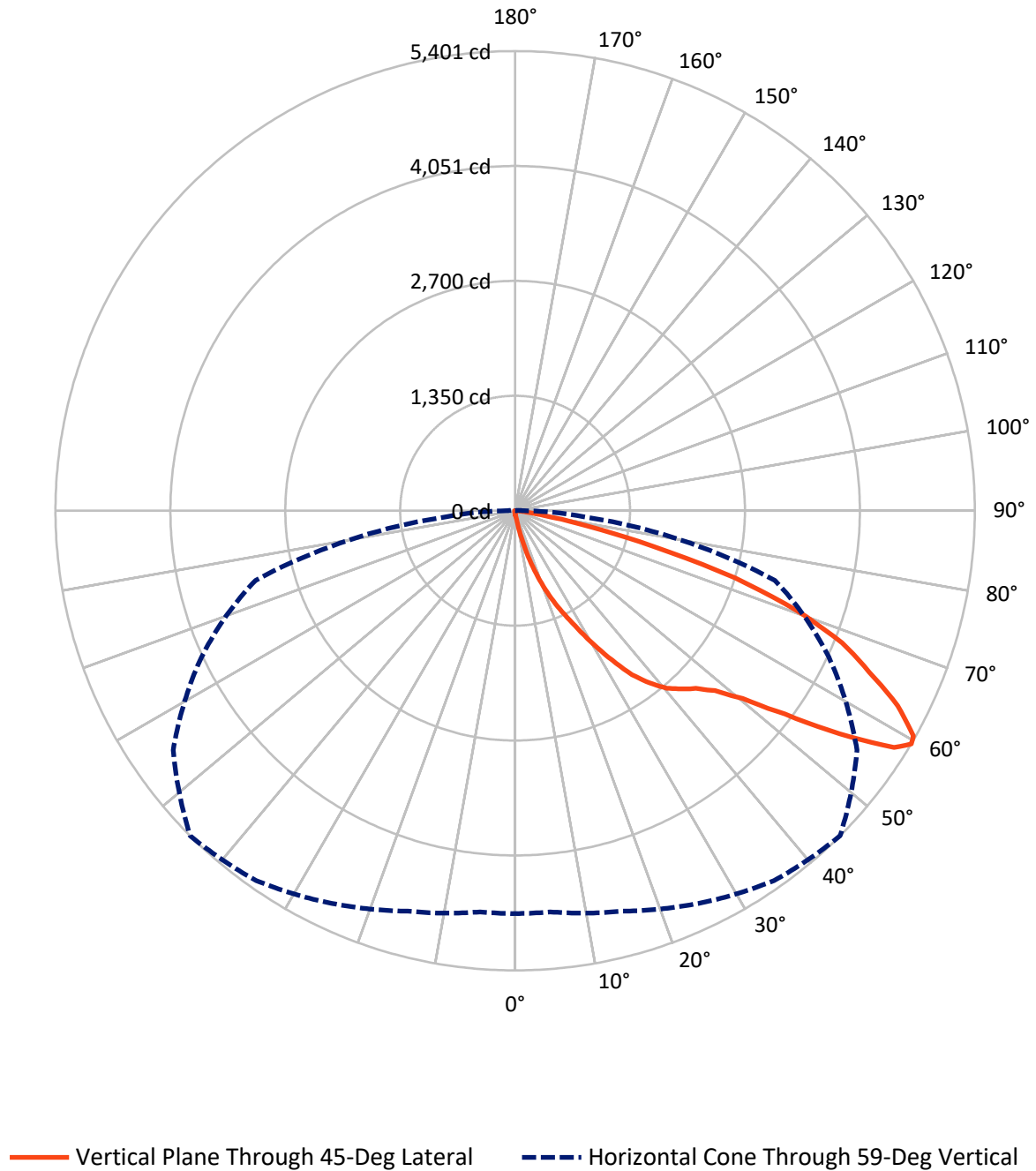


Based on 15 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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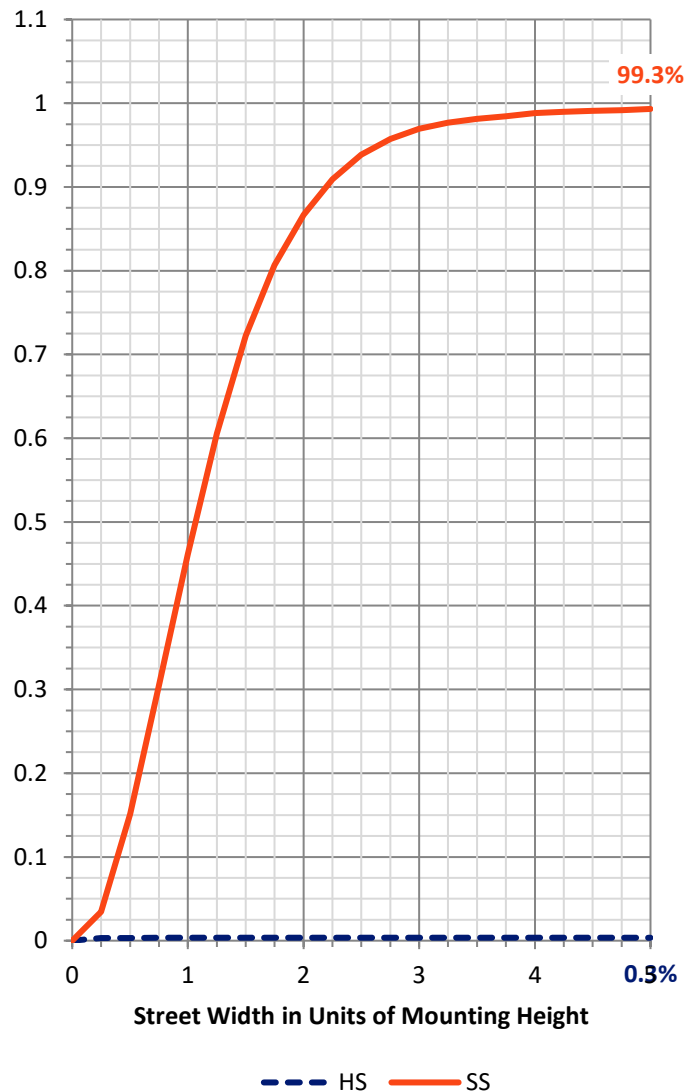
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23.6	0.0	23.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	6617.4	0.0	6617.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	6641.0	0.0	6641.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.1
10°-20°	73.4	1.1
20°-30°	263.7	4.0
30°-40°	612.9	9.2
40°-50°	1044.6	15.7
50°-60°	1721.2	25.9
60°-70°	1990.1	30.0
70°-80°	855.0	12.9
80°-90°	73.9	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°	6641.0	100.0
0°-180°	6641.0	100.0



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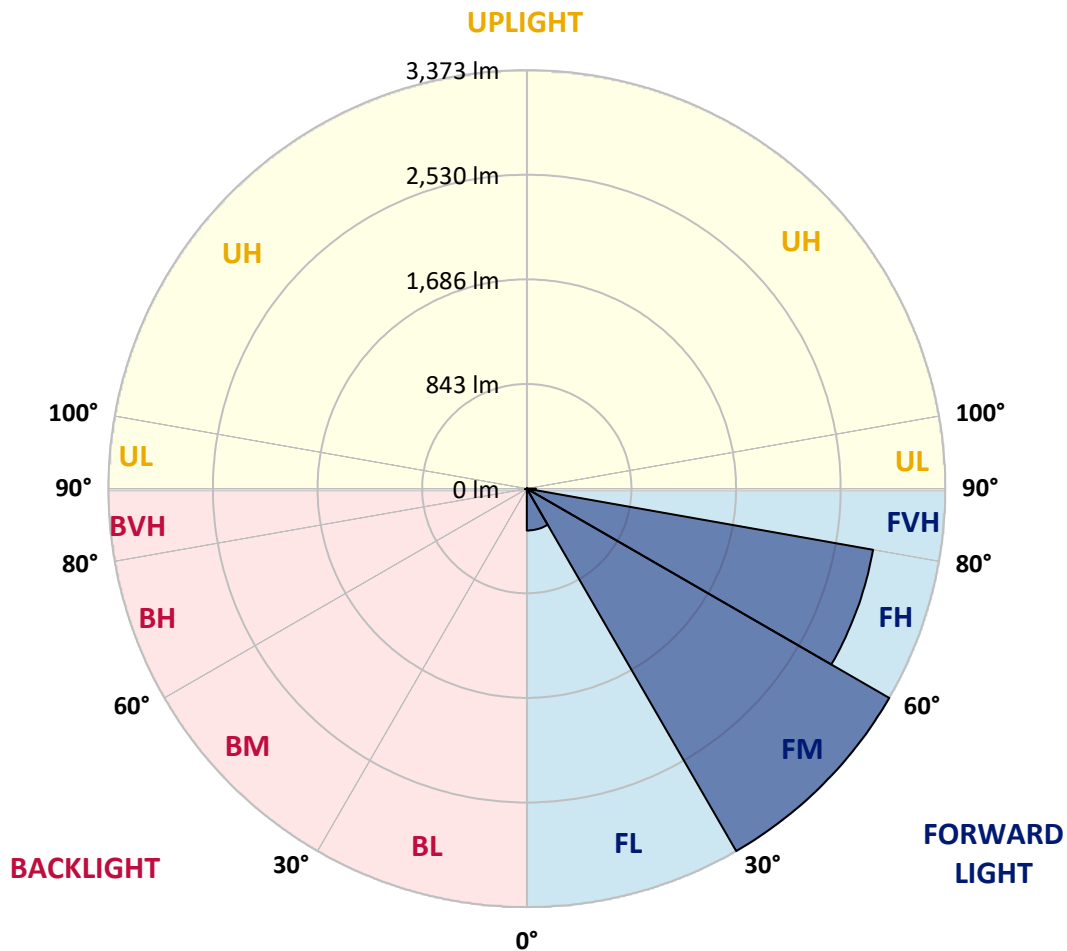
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	337.5	5.1			
FM	(30°-60°)	3373.0	50.8			
FH	(60°-80°)	2834.0	42.7			G2/5000
FVH	(80°-90°)	72.9	1.1			G1/100
BL	(0°-30°)	5.8	0.1	B0/110		
BM	(30°-60°)	5.7	0.1	B0/220		
BH	(60°-80°)	11.1	0.2	B0/110		G0/110
BVH	(80°-90°)	1.0	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
2.5°	54.5	54.5	53.1	51.4	50.9	49.6	49.6	48.2	46.4	45.1	43.3
5°	79.0	78.6	75.0	70.6	64.7	61.2	61.2	56.3	51.8	47.8	44.2
7.5°	172.8	168.8	155.8	134.4	106.3	87.5	86.2	70.1	59.4	51.4	44.7
10°	396.5	382.7	364.4	313.0	231.3	161.6	158.5	102.3	71.0	55.4	45.5
12.5°	649.7	660.9	624.3	543.4	447.9	333.1	310.8	172.4	93.8	60.7	46.4
15°	880.1	877.5	856.9	790.8	680.5	527.8	514.0	299.6	134.4	69.2	47.3
17.5°	1052.5	1049.4	1029.7	987.3	902.5	749.7	737.7	477.8	210.8	81.3	48.2
20°	1234.2	1230.2	1202.5	1168.6	1094.5	964.5	950.2	677.0	330.0	100.9	48.2
22.5°	1452.2	1444.6	1415.1	1357.5	1279.3	1166.4	1153.4	880.6	477.8	133.1	50.5
25°	1715.6	1702.7	1662.0	1610.2	1516.0	1366.0	1352.1	1107.4	656.0	181.7	52.7
27.5°	2016.1	2018.4	1963.5	1875.9	1749.6	1596.4	1570.5	1310.6	840.4	251.4	55.4
30°	2372.9	2350.6	2273.4	2171.5	2048.7	1853.6	1828.6	1512.9	1047.6	354.1	59.8
32.5°	2706.9	2682.8	2578.8	2450.6	2318.9	2113.0	2092.5	1740.2	1236.0	475.6	67.9
35°	2993.6	2976.7	2831.1	2674.8	2557.8	2373.8	2367.6	1993.8	1457.5	606.4	76.8
37.5°	3245.9	3215.1	3028.0	2865.9	2747.1	2582.4	2569.0	2226.0	1671.0	758.2	90.2
40°	3461.2	3444.2	3216.0	3003.0	2906.6	2759.2	2742.2	2429.6	1891.6	934.6	106.7
42.5°	3691.6	3669.3	3447.8	3208.9	3031.1	2873.5	2862.3	2597.5	2088.0	1128.4	131.3
45°	3951.9	3910.4	3716.1	3501.8	3231.6	2991.8	2979.3	2747.1	2289.4	1336.5	161.2
47.5°	4230.1	4193.9	4036.8	3886.3	3575.5	3187.0	3160.2	2874.4	2489.5	1576.7	199.2
50°	4513.2	4514.1	4396.2	4323.9	3995.7	3504.0	3466.1	3061.5	2699.8	1834.0	255.4
52.5°	4842.8	4851.3	4849.5	4795.9	4541.4	4022.5	3971.6	3345.5	2944.1	2134.0	333.1
55°	4980.8	4995.9	5094.6	5213.4	5144.2	4679.8	4625.3	3835.4	3267.8	2468.5	448.3
57.5°	4867.8	4884.7	5020.9	5229.0	5388.0	5255.4	5249.1	4473.0	3694.3	2874.0	636.8
59°	4733.4	4731.1	4870.9	5091.5	5305.8	5392.0	5400.9	4904.4	4065.8	3158.4	799.3
60°	4644.1	4645.8	4738.7	4965.1	5192.9	5342.5	5377.3	5158.5	4282.8	3362.9	938.6
62.5°	4299.3	4319.9	4393.5	4603.9	4820.0	4987.0	5046.4	5384.9	4903.9	3846.1	1423.1
65°	3924.7	3926.0	4031.0	4210.9	4418.1	4535.5	4573.1	5032.5	5318.8	4338.2	2058.6
67.5°	3256.2	3283.4	3402.7	3694.3	3968.0	4116.7	4145.3	4380.6	5146.9	4658.8	2377.0
70°	2278.7	2314.4	2484.6	2862.8	3270.5	3514.7	3513.0	3641.6	4529.7	4515.9	2015.3
72.5°	1137.8	1199.4	1338.3	1743.3	2237.2	2620.8	2701.6	2929.3	3638.9	3751.0	1503.5
75°	502.8	506.4	585.4	789.5	1111.9	1599.1	1671.4	2325.2	2791.8	2606.9	1086.0
77.5°	292.5	295.2	309.5	354.6	450.6	783.7	865.0	1524.9	1972.8	1515.1	708.2
80°	106.3	109.0	108.5	134.4	197.4	308.6	343.8	739.0	1316.0	798.0	371.1
82.5°	65.2	65.2	63.0	63.4	71.9	118.3	129.5	314.8	640.8	393.0	106.3
85°	32.2	33.9	36.2	40.6	48.2	58.5	62.1	90.2	215.7	95.1	25.5
87.5°	19.2	19.6	21.4	25.9	32.2	42.0	44.7	61.2	77.3	63.9	6.3
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-SA1D-740-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
2.5°	42.4	42.0	39.7	38.0	36.2	34.4	33.0	31.7	31.7	32.2	31.7
5°	42.4	40.6	37.1	33.9	31.3	29.0	26.8	25.0	24.6	24.6	25.0
7.5°	42.0	39.7	34.8	30.8	27.2	24.1	21.9	19.6	19.2	19.6	19.2
10°	41.5	38.8	33.0	28.1	23.2	20.1	17.0	14.7	14.7	14.7	15.2
12.5°	41.5	37.5	31.3	25.5	20.1	16.5	13.4	11.2	10.7	10.7	10.7
15°	41.1	36.6	29.5	22.3	17.0	12.5	9.8	7.6	7.6	7.6	7.6
17.5°	40.2	35.3	27.2	19.6	13.4	9.4	6.7	4.5	4.5	5.4	5.4
20°	39.3	33.9	24.6	16.1	11.2	7.1	4.5	2.7	2.7	4.0	4.5
22.5°	39.7	33.9	22.8	14.3	8.9	5.4	3.6	2.2	1.8	3.1	4.0
25°	40.2	33.0	20.5	12.5	6.7	4.0	2.7	0.9	0.4	0.9	1.3
27.5°	40.2	32.2	17.9	9.8	4.9	3.1	1.3	0.0	0.0	0.0	0.0
30°	39.7	30.8	15.6	8.0	3.6	1.8	0.4	0.0	0.0	0.0	0.0
32.5°	39.3	29.5	14.3	6.3	3.1	0.9	0.0	0.0	0.0	0.0	0.0
35°	39.7	27.7	12.5	4.9	1.8	0.0	0.0	0.0	0.0	0.0	0.9
37.5°	41.1	25.9	10.7	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
40°	42.9	24.6	8.9	3.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	46.4	24.6	8.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	50.9	24.6	6.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	56.7	25.0	5.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	63.9	25.9	5.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	69.2	25.0	4.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	78.6	24.1	4.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	91.1	22.8	4.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	103.6	21.0	4.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	117.9	20.1	4.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	194.7	17.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	376.0	17.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	607.7	17.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	639.0	17.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	425.1	13.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	227.7	12.5	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	122.8	11.6	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	54.0	8.5	2.2	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	21.4	5.8	2.7	2.2	1.8	0.9	0.0	0.0	0.0	0.0	0.0
85°	10.3	4.5	3.6	3.1	2.2	1.3	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	4.5	4.0	3.6	3.1	2.2	0.4	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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

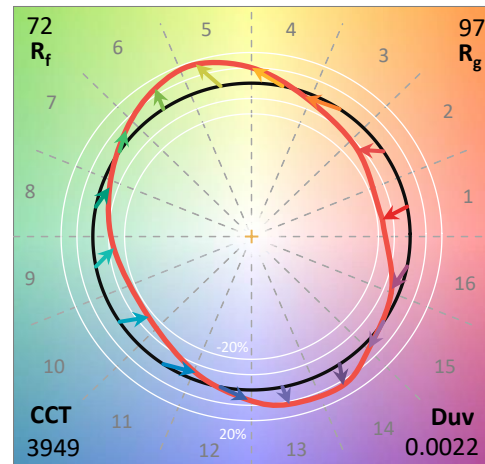
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-1
 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-740-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949	CRI (Ra):	70.7		
CIE u':	0.2248	R1:	68.0	R9:	-36.7
CIE v':	0.5053	R2:	76.0	R10:	45.1
Duv:	0.0022	R3:	84.3	R11:	70.7
CIE x:	0.3844	R4:	72.0	R12:	47.1
CIE y:	0.3840	R5:	68.6	R13:	68.5
CIE z:	0.2316	R6:	68.3	R14:	91.1
Peak Wavelength (nm):	440	R7:	77.9	R15:	58.7
Dominant Wavelength (nm):	578	R8:	50.3		
Purity:	30.60026				
Rf:	71.8				
Rg:	96.5				



Test Conditions

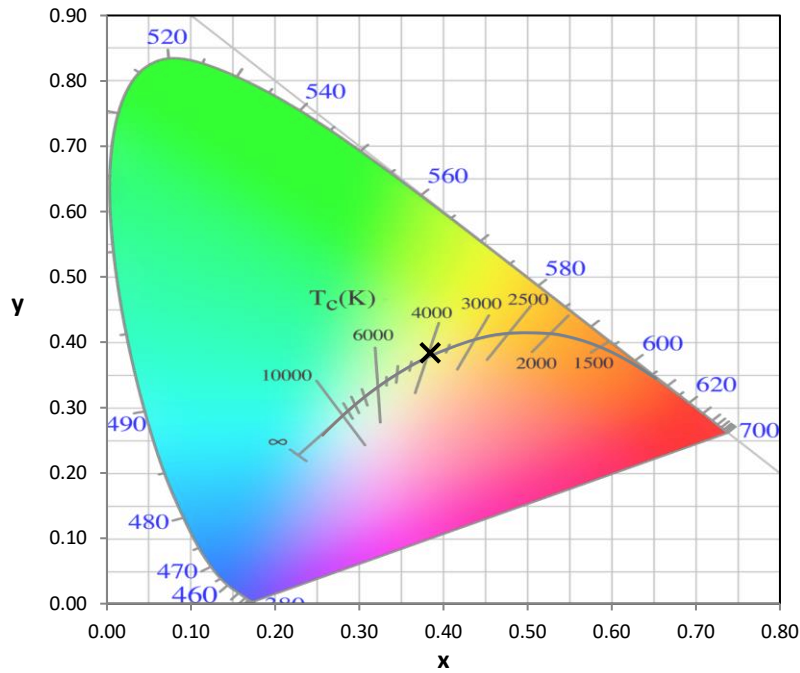
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

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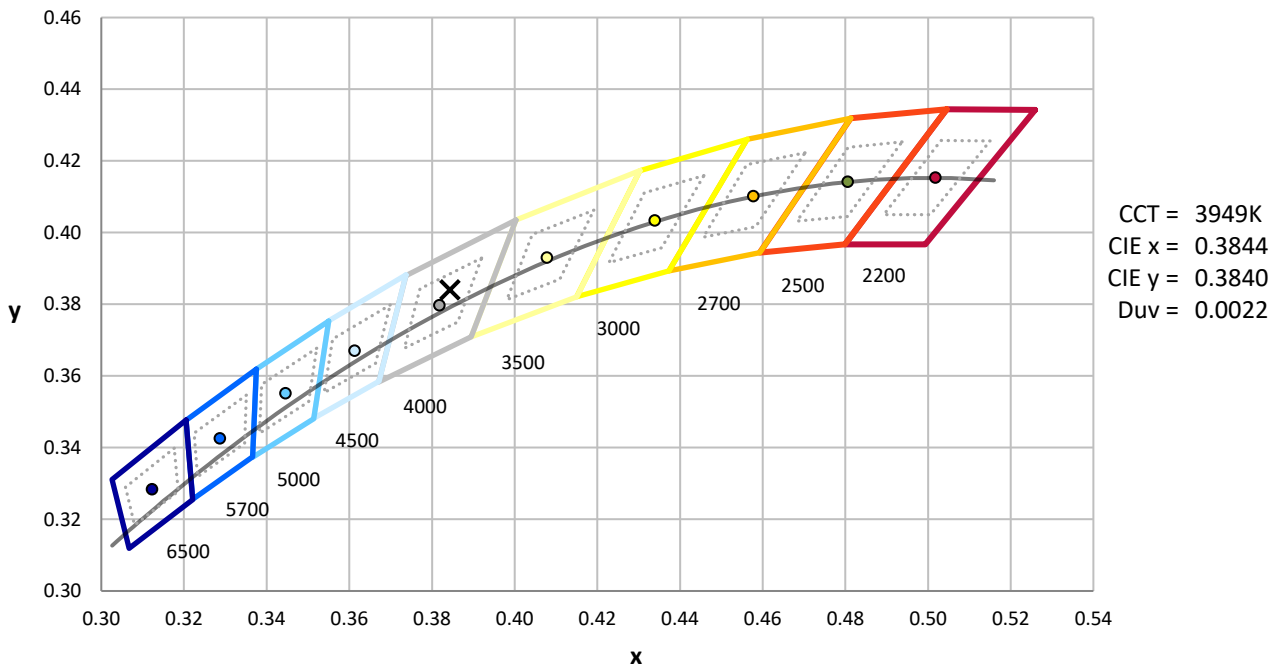
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



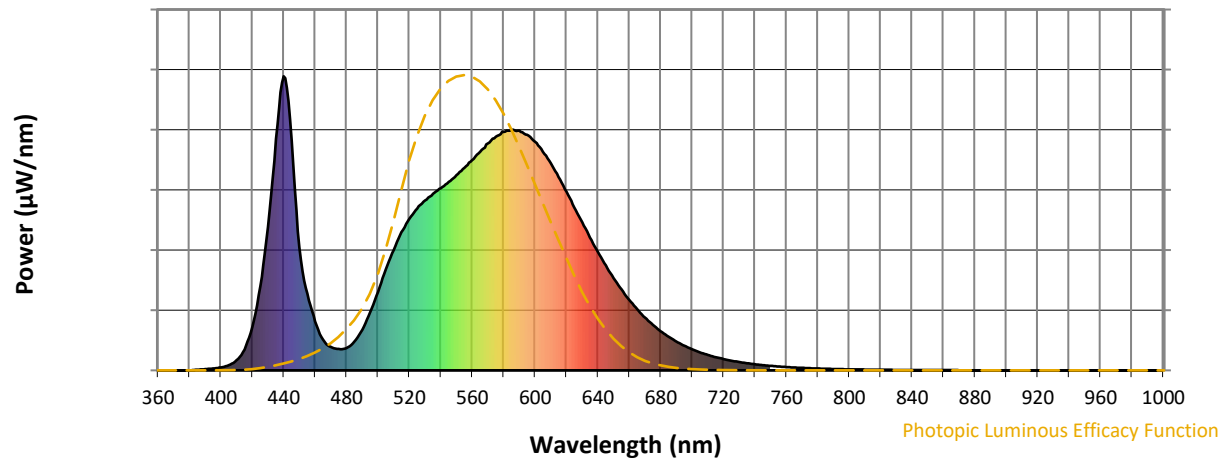
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

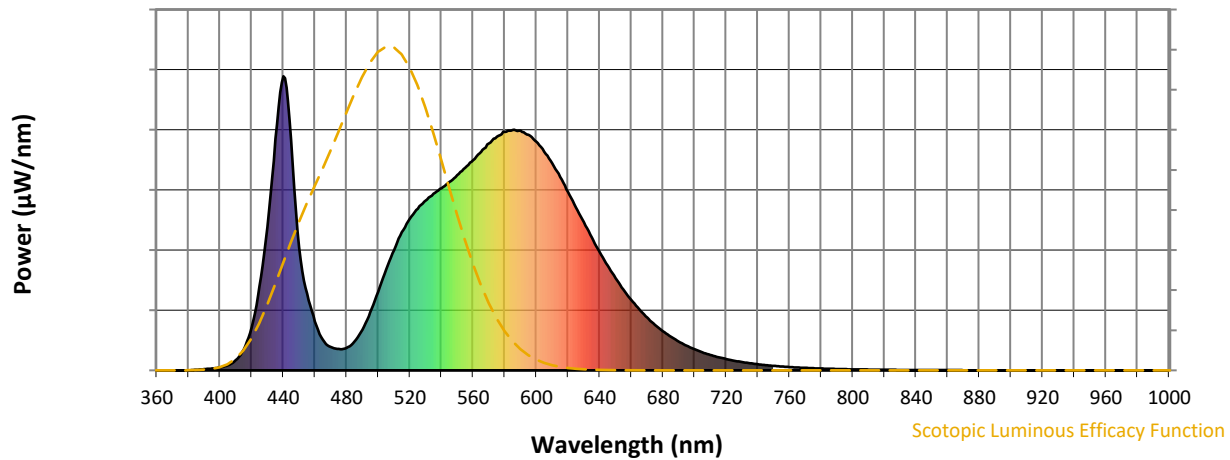


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



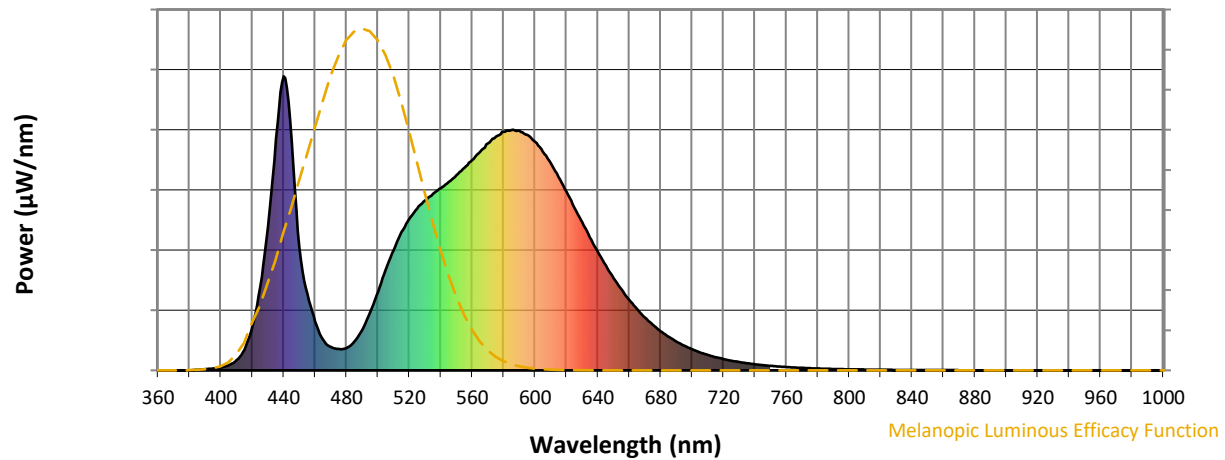
Scotopic Lumens: NR

S/P: 1.47

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

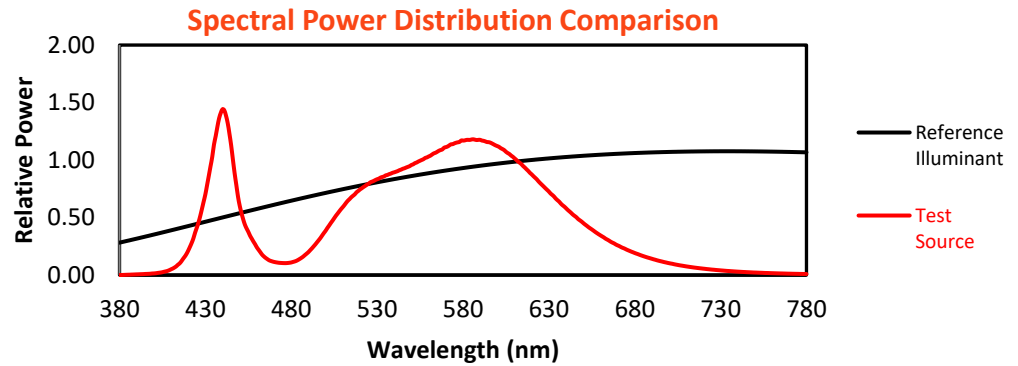
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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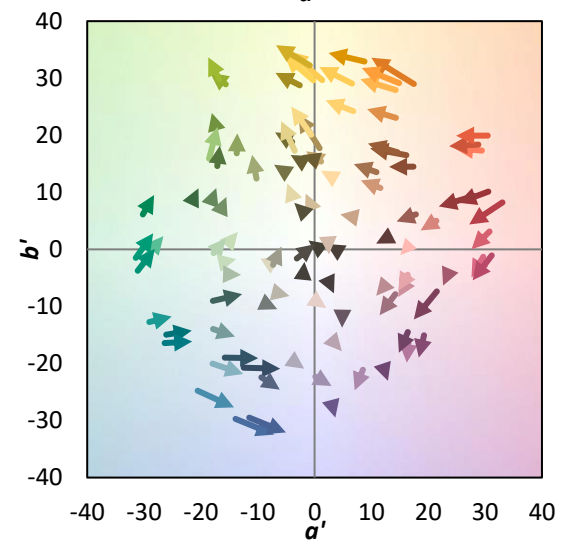
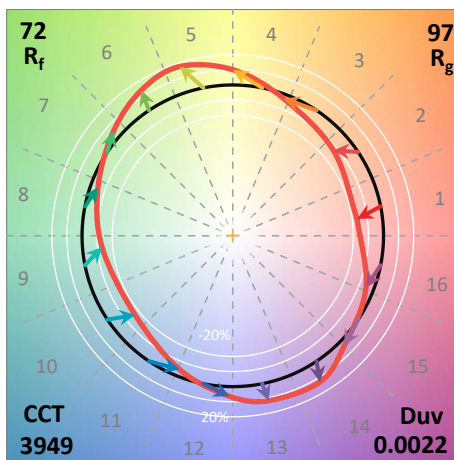
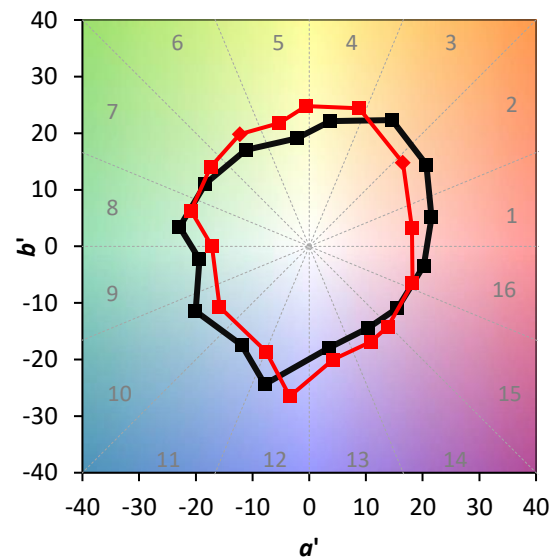
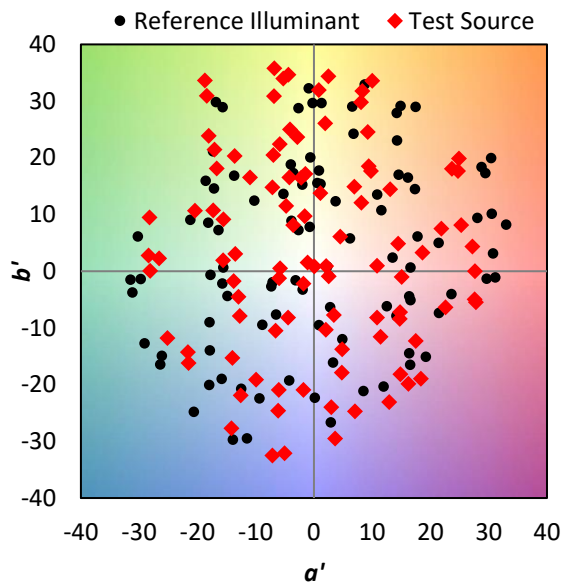
TM-30-18

Summary

$R_f = 71.8$
 $R_g = 96.5$
 CIE $R_a = 70.7$
 $R_g = -36.7$

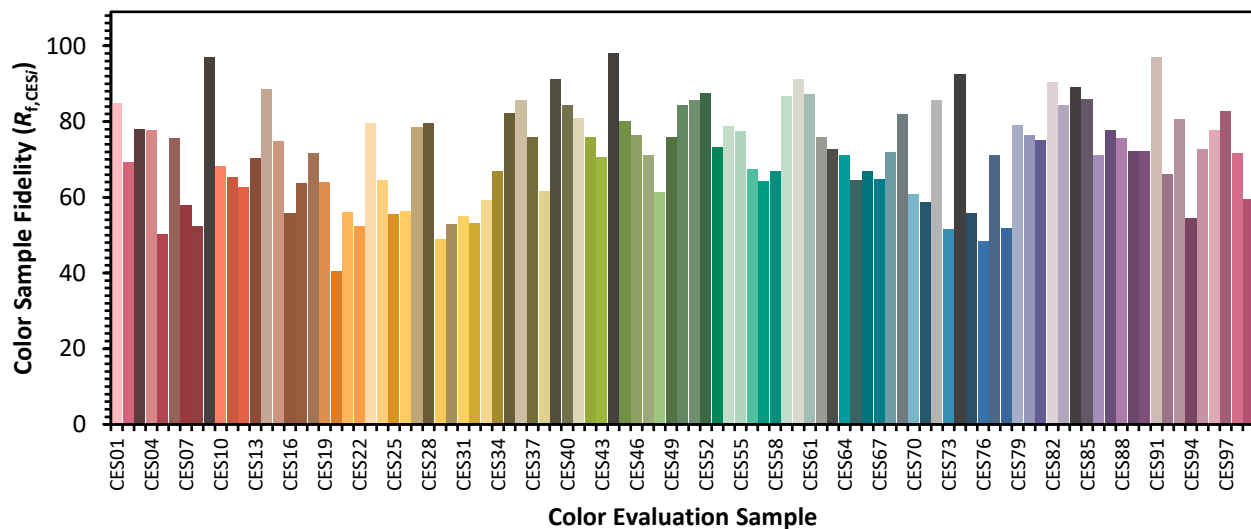


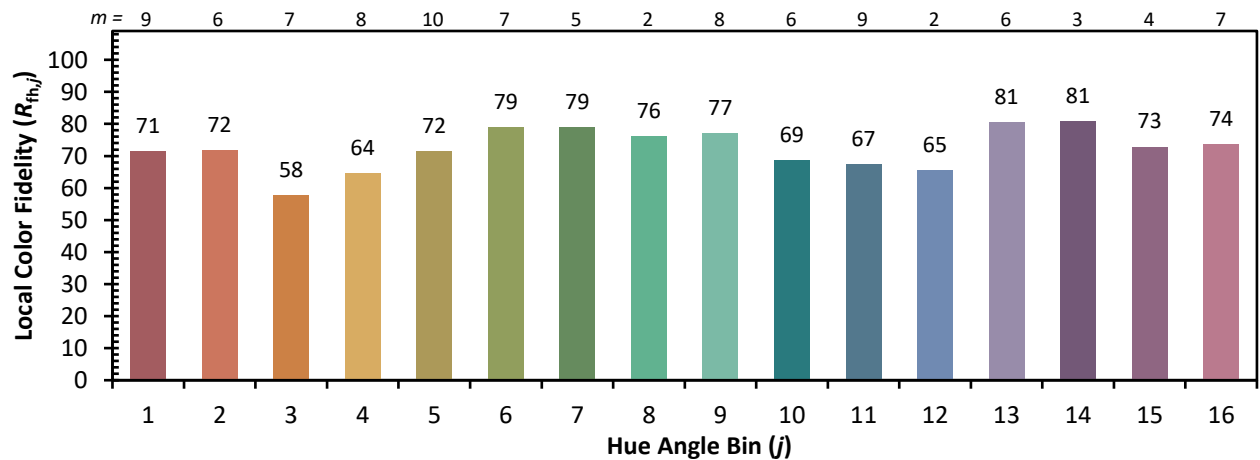
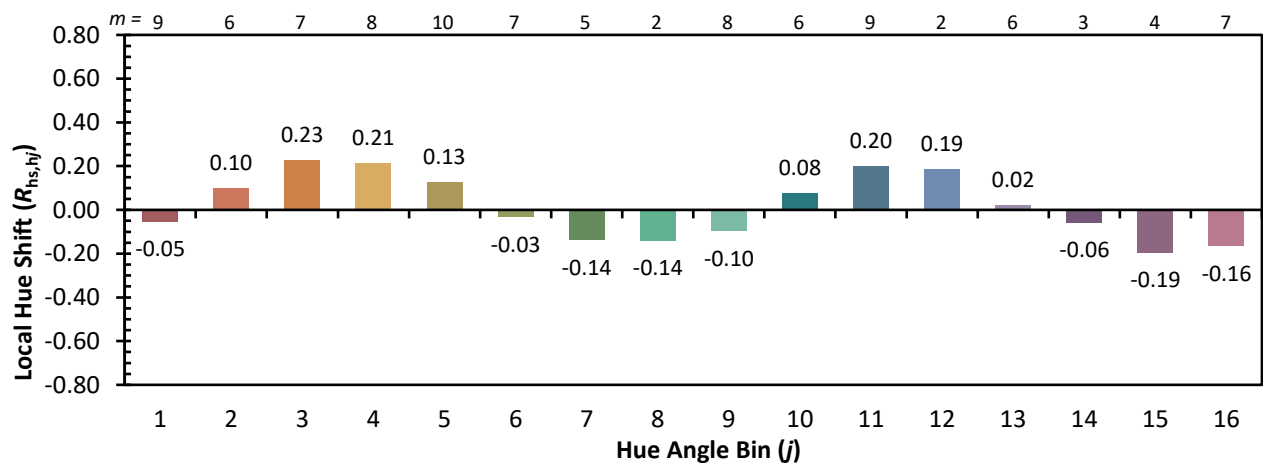
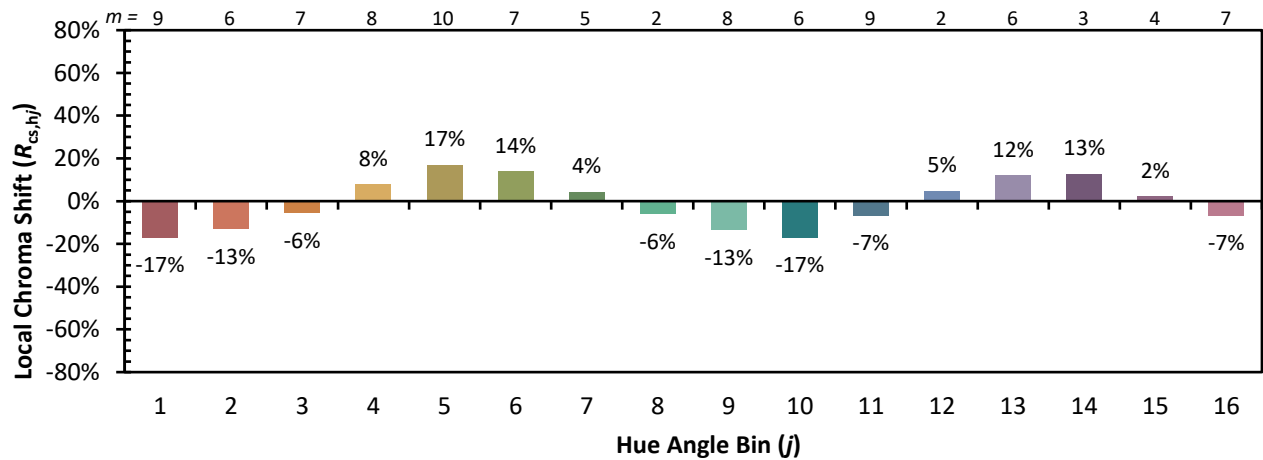
Color Vector Graphics

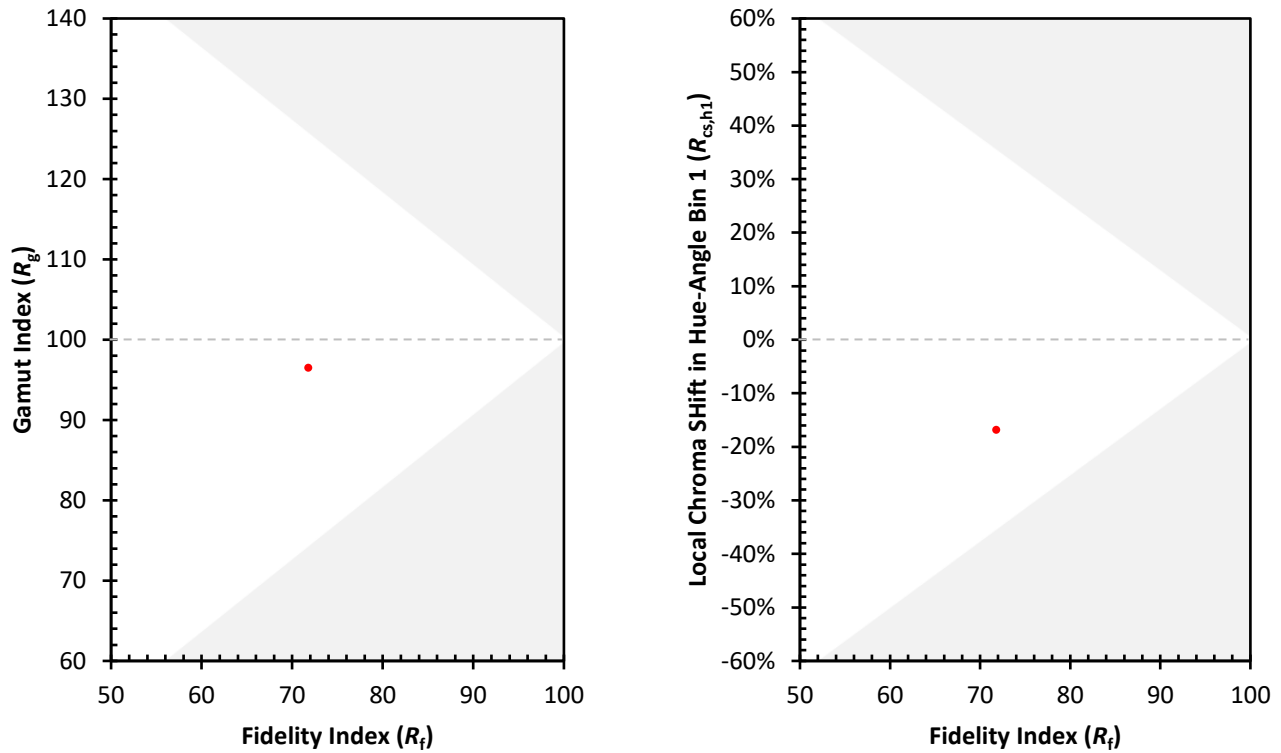


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



Color Rendition by Hue-Angle Bin


Measure Comparisons


(END OF REPORT)