

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: P1067341

Luminaire Tested: **NAV-SA1A-830-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067341
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1A-830-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2889.2 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 29.2
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

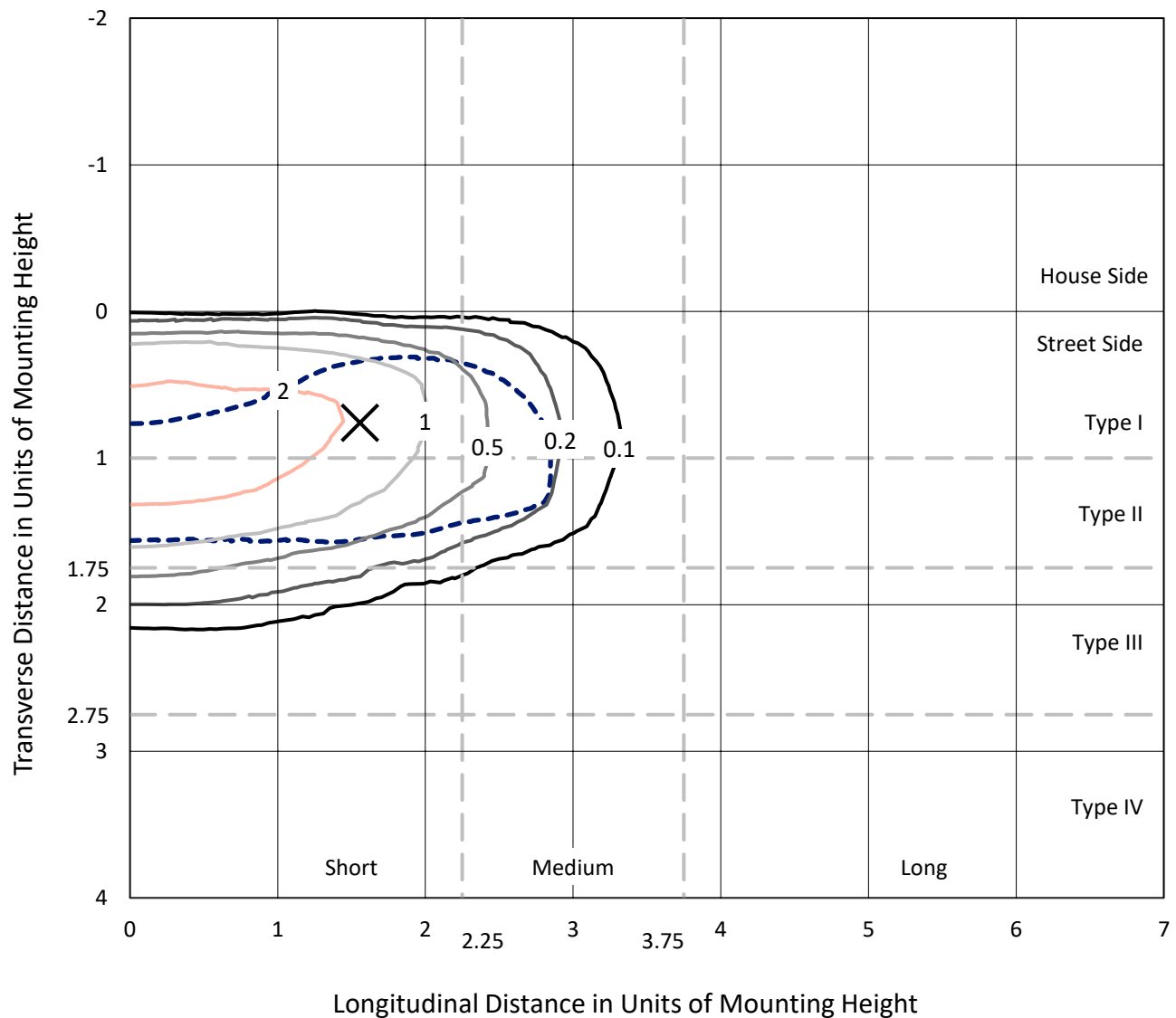


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

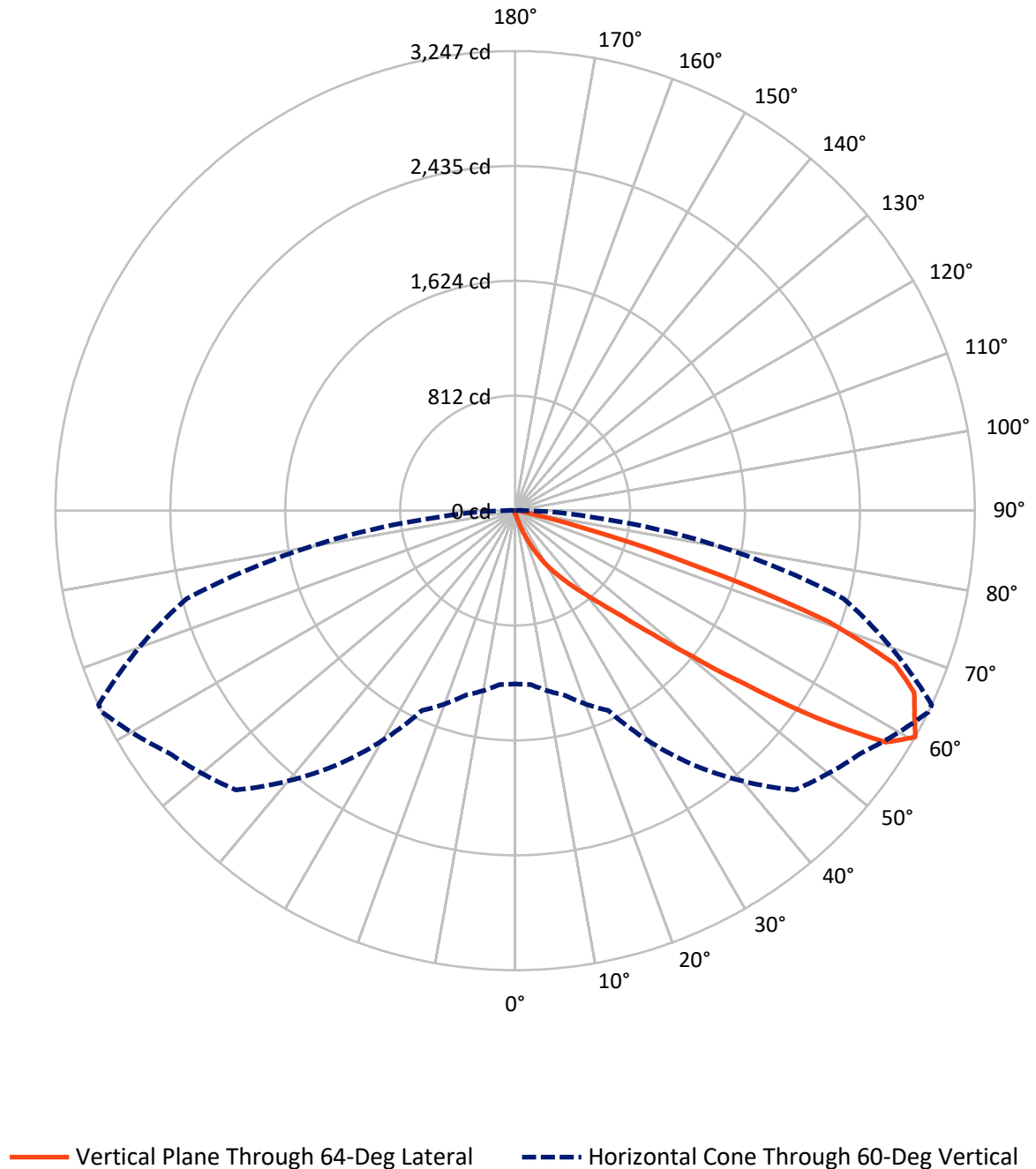


Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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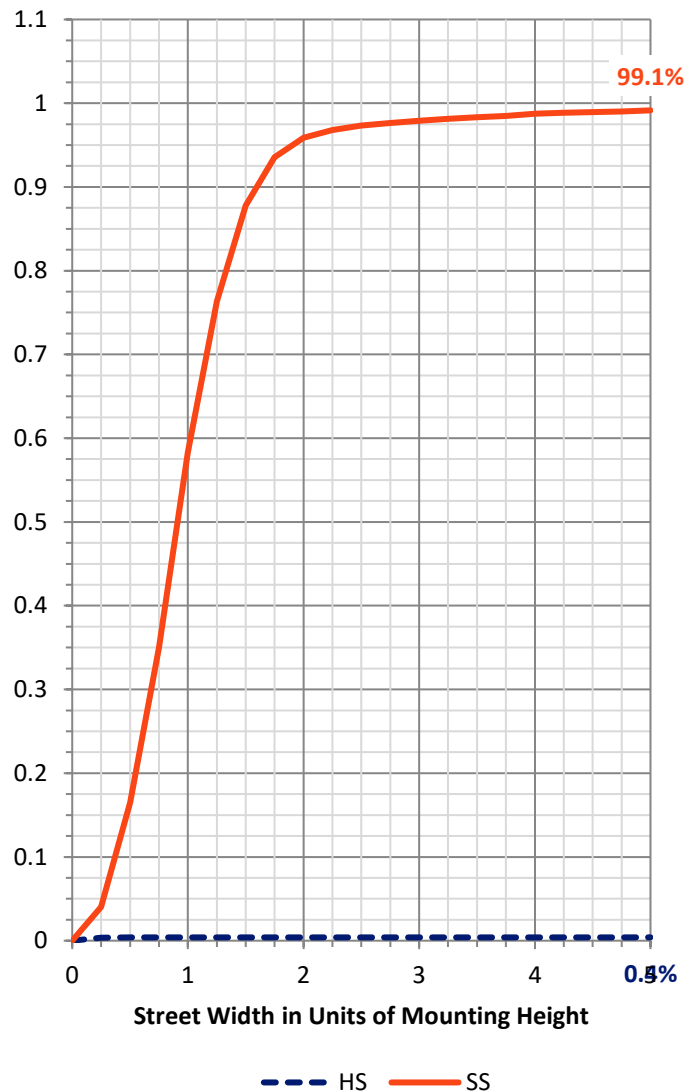
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11.7	0.0	11.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	2877.5	0.0	2877.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	2889.2	0.0	2889.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	28.4	1.0
20°-30°	94.3	3.3
30°-40°	251.6	8.7
40°-50°	639.5	22.1
50°-60°	932.3	32.3
60°-70°	720.1	24.9
70°-80°	197.8	6.8
80°-90°	22.3	0.8
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°	2889.2	100.0
0°-180°	2889.2	100.0



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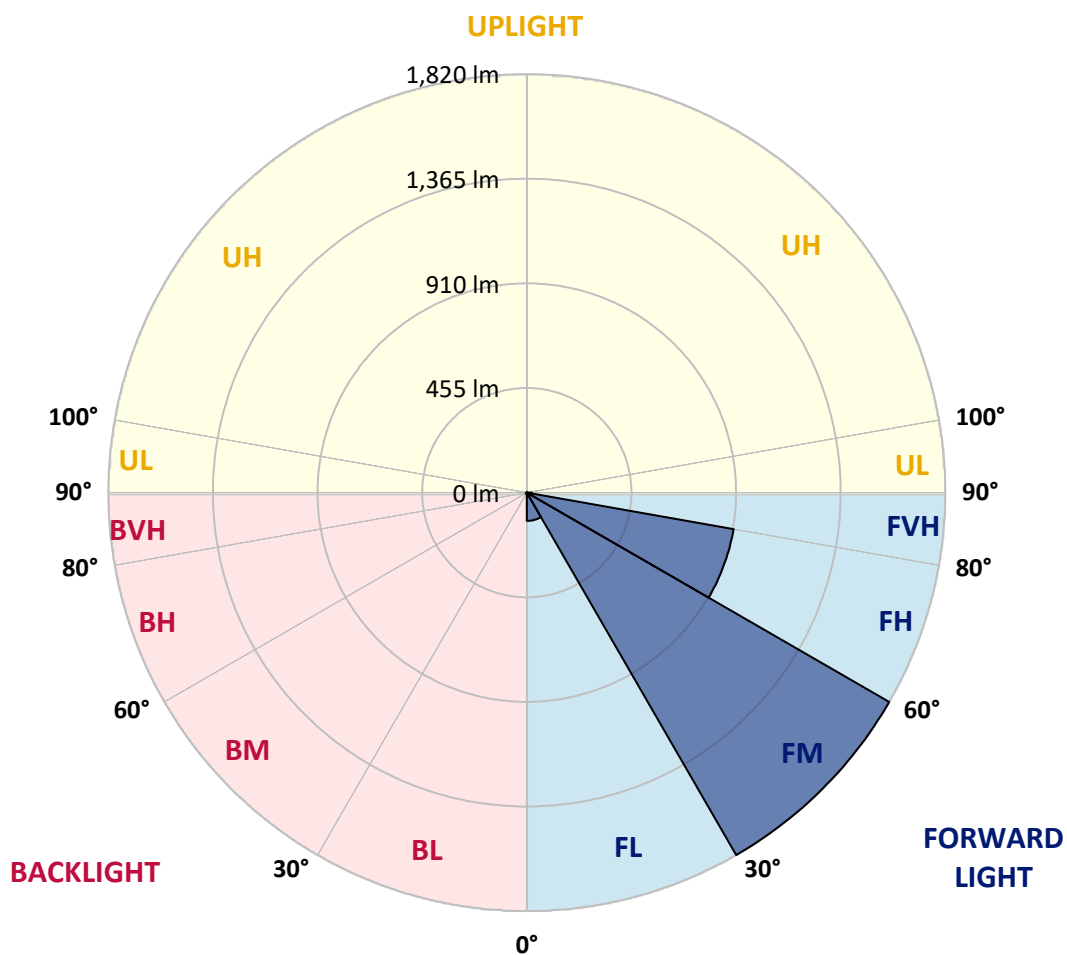
CATALOG NUMBER: NAV-SA1A-830-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	122.9	4.3			
FM	(30°-60°)	1819.6	63.0			
FH	(60°-80°)	913.2	31.6			G1/1800
FVH	(80°-90°)	21.8	0.8			G1/100
BL	(0°-30°)	2.6	0.1	B0/110		
BM	(30°-60°)	3.9	0.1	B0/220		
BH	(60°-80°)	4.7	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	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-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
2.5°	25.4	25.4	25.4	24.7	23.9	23.9	23.1	22.3	22.3	20.7	19.9
5°	39.0	39.0	37.4	35.8	33.4	30.2	27.0	24.7	24.7	22.3	20.7
7.5°	76.3	78.7	71.6	62.8	50.9	42.9	34.2	28.6	27.8	23.9	20.7
10°	165.4	163.8	152.7	131.2	103.4	74.8	47.7	35.0	33.4	25.4	20.7
12.5°	248.9	251.3	239.4	215.5	182.1	132.8	81.9	45.3	43.7	27.8	20.7
15°	320.5	320.5	312.5	300.6	264.0	212.3	132.0	67.6	62.0	30.2	19.9
17.5°	369.8	369.0	365.8	362.7	341.2	287.9	202.0	108.2	95.4	35.8	19.9
20°	425.5	423.1	427.1	420.7	404.0	361.9	276.0	160.6	148.7	45.3	19.9
22.5°	483.5	485.9	489.1	482.7	464.4	427.9	353.9	228.2	215.5	62.8	20.7
25°	557.5	555.9	563.1	557.5	534.4	491.5	427.1	302.2	283.9	87.5	22.3
27.5°	648.2	645.0	649.8	635.4	605.2	561.5	492.3	377.8	356.3	125.7	25.4
30°	768.2	770.6	749.2	732.5	689.5	631.5	564.7	458.9	436.6	171.0	28.6
32.5°	957.5	940.8	907.4	839.8	783.4	709.4	637.0	529.7	509.8	229.0	33.4
35°	1252.6	1255.8	1182.6	1015.6	893.1	807.2	716.6	607.6	593.3	295.1	39.8
37.5°	1612.1	1603.3	1538.9	1328.1	1053.8	928.9	807.2	692.7	672.0	366.6	47.7
40°	2019.2	1982.7	1945.3	1802.1	1388.6	1081.6	921.7	791.3	775.4	449.3	60.4
42.5°	2345.3	2335.8	2342.1	2282.5	1946.9	1341.7	1073.6	912.2	893.1	551.9	82.7
45°	2506.0	2492.4	2530.6	2575.1	2489.3	1895.2	1318.6	1066.5	1041.0	672.8	116.9
47.5°	2463.0	2453.5	2535.4	2622.9	2737.4	2537.0	1718.6	1297.1	1253.4	827.9	167.8
50°	2251.5	2252.3	2386.7	2549.7	2731.0	2862.2	2311.1	1612.8	1558.0	1033.9	247.3
52.5°	2045.5	2051.8	2194.2	2432.0	2636.4	2900.4	2831.2	2038.3	1949.3	1276.4	341.2
55°	1833.9	1837.1	1962.8	2297.6	2591.8	2786.7	3098.4	2586.3	2491.6	1578.6	432.6
57.5°	1630.3	1630.3	1677.3	1974.7	2543.3	2776.4	3066.6	3087.3	3010.2	1923.8	500.2
60°	1224.7	1232.7	1349.6	1558.0	2193.4	2791.5	2985.5	3247.2	3247.2	2402.6	551.9
62.5°	618.7	630.7	776.2	979.0	1504.7	2583.1	2998.2	3166.8	3179.6	2824.9	669.6
65°	290.3	303.8	381.7	524.9	809.6	1818.0	2866.2	3098.4	3094.5	2744.5	917.8
67.5°	208.4	212.3	238.6	306.2	435.8	796.9	2187.8	2894.1	2895.6	2331.8	1055.3
70°	186.9	186.9	193.3	213.1	262.4	356.3	1063.3	2343.7	2457.4	1800.5	978.2
72.5°	184.5	182.9	181.3	182.1	177.3	178.9	365.0	1323.4	1485.6	1259.7	780.2
75°	179.7	179.7	178.1	172.6	141.6	115.3	125.7	535.2	618.7	841.4	579.0
77.5°	142.4	156.7	173.4	163.0	129.6	86.7	73.2	155.1	195.6	516.1	419.9
80°	66.0	66.8	66.0	69.2	82.7	62.0	54.1	75.6	76.3	286.3	260.1
82.5°	47.7	48.5	46.1	41.4	36.6	33.4	44.5	55.7	59.6	131.2	97.0
85°	14.3	13.5	15.9	21.5	25.4	29.4	37.4	46.9	49.3	48.5	14.3
87.5°	6.4	6.4	8.0	11.1	15.1	22.3	32.6	42.9	43.7	50.1	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067341

CATALOG NUMBER: NAV-SA1A-830-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
2.5°	19.9	19.1	18.3	17.5	16.7	15.9	15.1	15.1	15.9	15.9	15.9
5°	19.1	18.3	16.7	15.1	14.3	13.5	12.7	12.7	13.5	13.5	13.5
7.5°	19.1	17.5	15.9	14.3	12.7	11.9	11.1	11.1	11.1	11.9	11.9
10°	19.1	17.5	15.1	12.7	11.1	10.3	9.5	8.7	9.5	9.5	9.5
12.5°	18.3	16.7	14.3	11.9	9.5	8.0	7.2	7.2	7.2	7.2	7.2
15°	17.5	15.9	13.5	10.3	8.0	6.4	4.8	4.8	4.8	5.6	5.6
17.5°	16.7	15.1	11.9	8.0	5.6	4.0	3.2	3.2	3.2	4.0	4.0
20°	16.7	14.3	10.3	6.4	4.0	2.4	1.6	1.6	1.6	2.4	3.2
22.5°	16.7	14.3	9.5	4.8	2.4	1.6	0.8	0.8	0.8	0.8	0.8
25°	16.7	13.5	8.7	4.0	1.6	0.8	0.0	0.0	0.8	1.6	2.4
27.5°	16.7	12.7	7.2	2.4	1.6	0.8	0.0	0.8	1.6	1.6	1.6
30°	16.7	12.7	6.4	2.4	0.8	0.0	0.0	0.8	1.6	1.6	2.4
32.5°	17.5	11.9	5.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	18.3	11.1	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	19.9	11.1	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	22.3	11.9	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	27.8	12.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	39.0	15.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	57.3	23.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	83.5	32.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	102.6	32.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	101.8	20.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	77.9	14.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	66.0	10.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	79.5	8.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	141.6	7.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	227.5	7.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	254.5	7.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	198.8	6.4	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	109.0	5.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	54.9	4.0	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	23.1	3.2	1.6	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0
82.5°	8.0	3.2	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0
85°	4.0	2.4	2.4	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.0
87.5°	2.4	2.4	2.4	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.8
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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

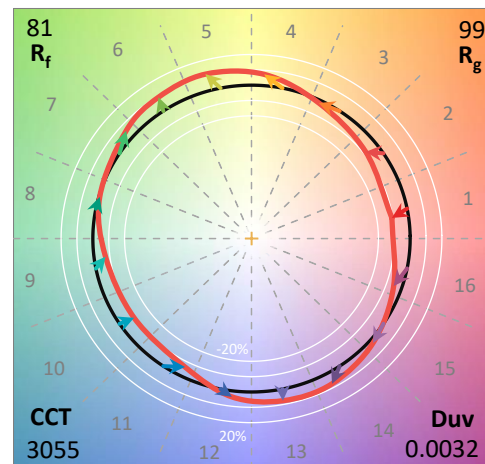
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 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-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3055
 CIE u' : 0.2475
 CIE v' : 0.5247
 Duv: 0.0032
 CIE x: 0.4377
 CIE y: 0.4124
 CIE z: 0.1499
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 581
 Purity: 55.16339
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 80.9
 R1: 79.5
 R2: 85.6
 R3: 92.1
 R4: 82.4
 R5: 78.9
 R6: 81.7
 R7: 85.1
 R8: 61.9
 R9: 6.8
 R10: 67.1
 R11: 82.5
 R12: 63.4
 R13: 80.2
 R14: 95.1
 R15: 71.7



Test Conditions

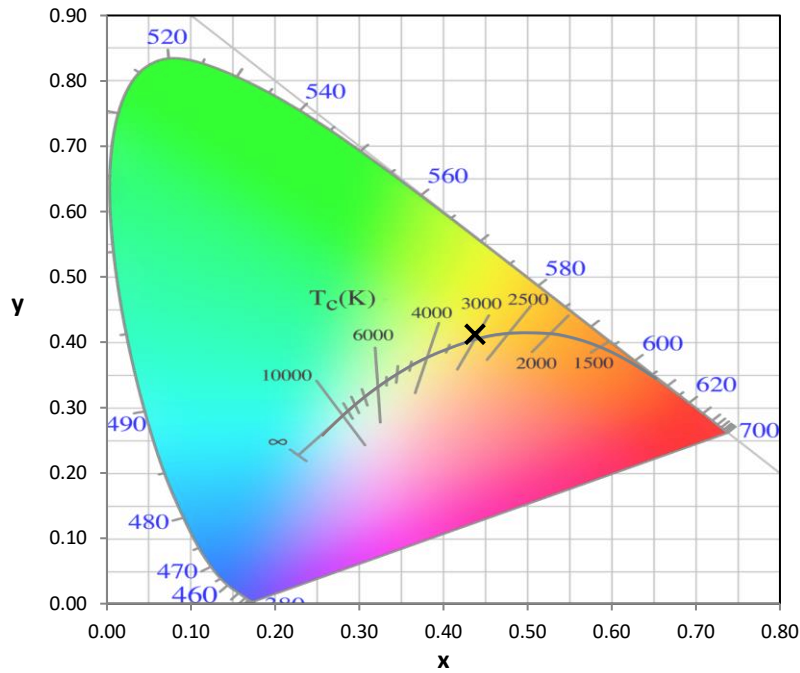
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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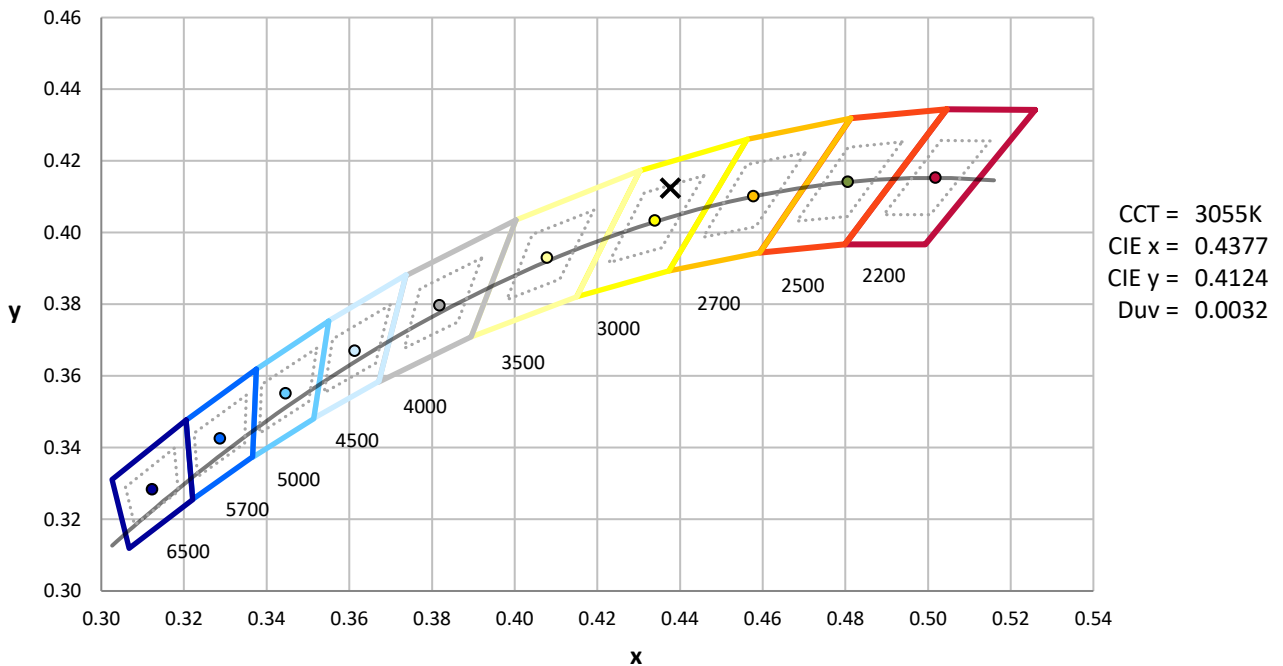
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



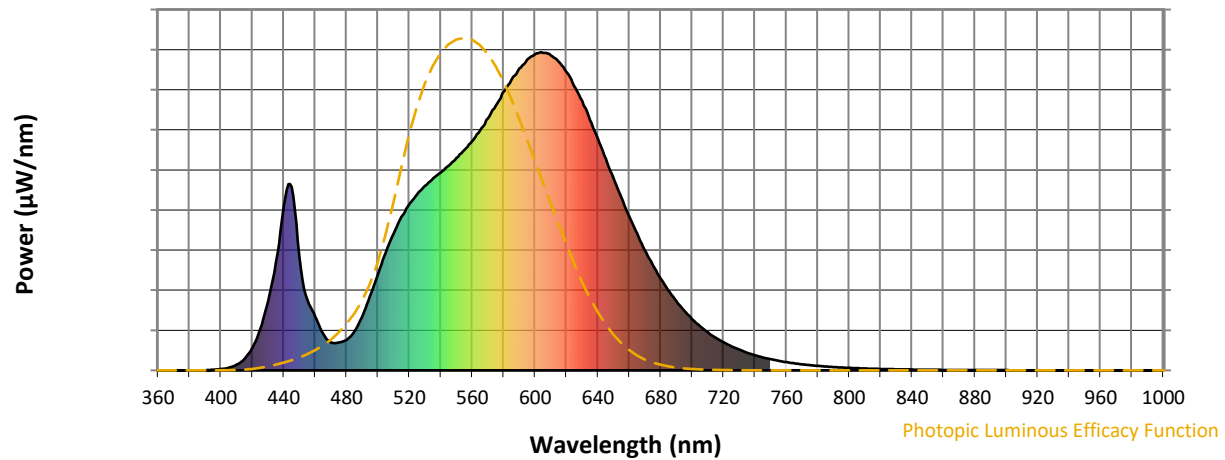
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

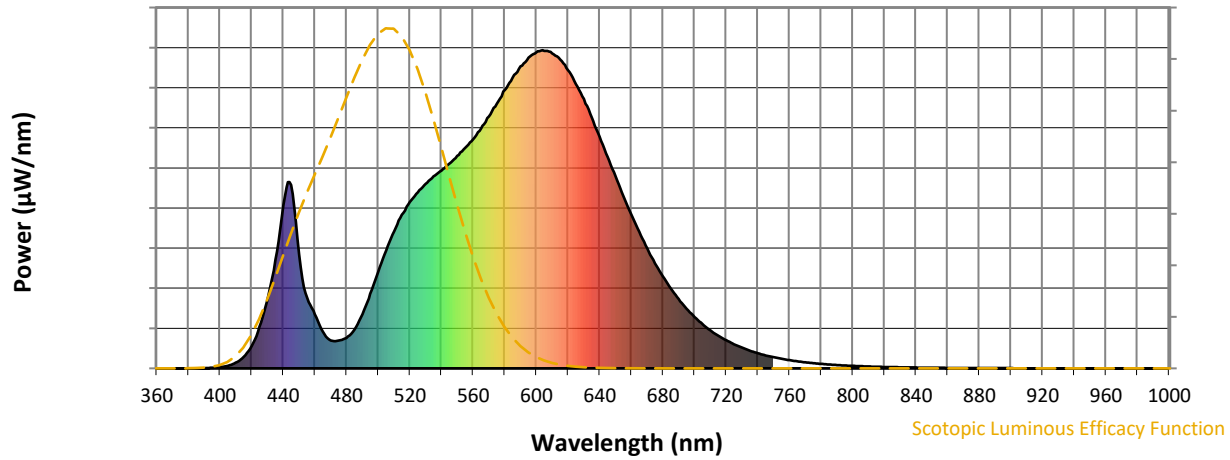


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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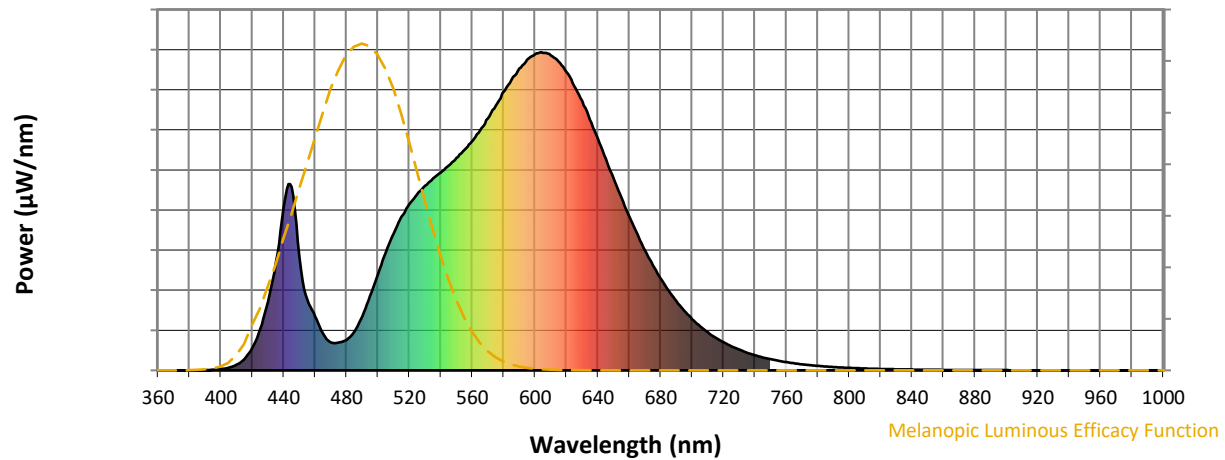
Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.28

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.33

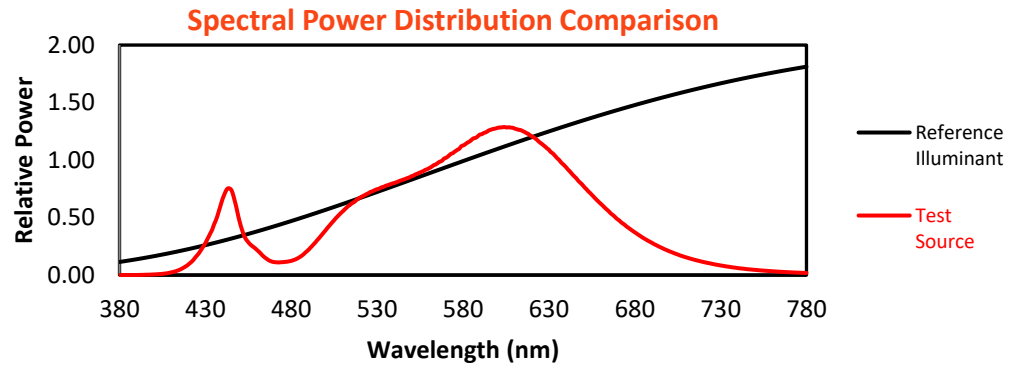
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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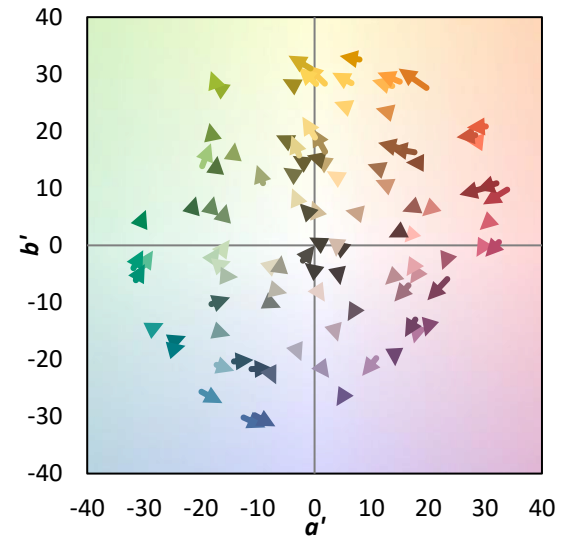
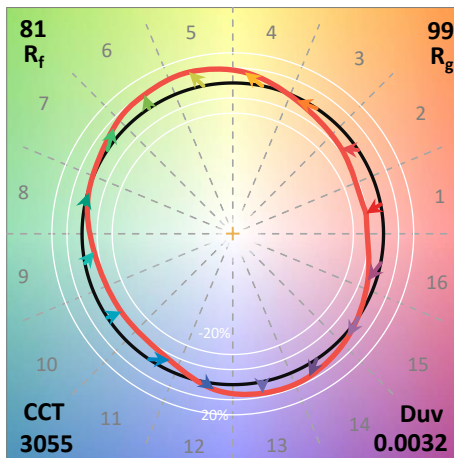
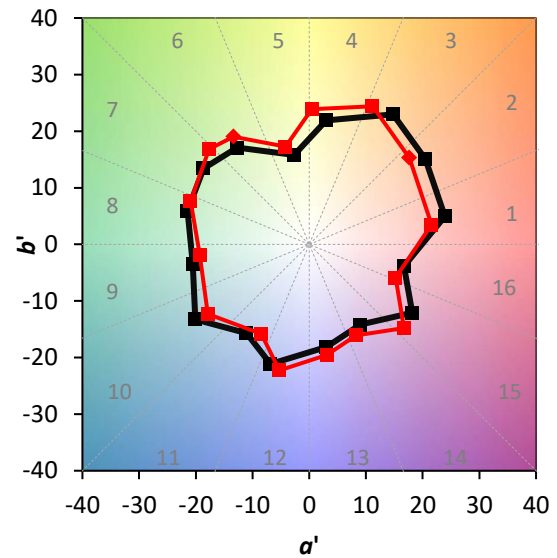
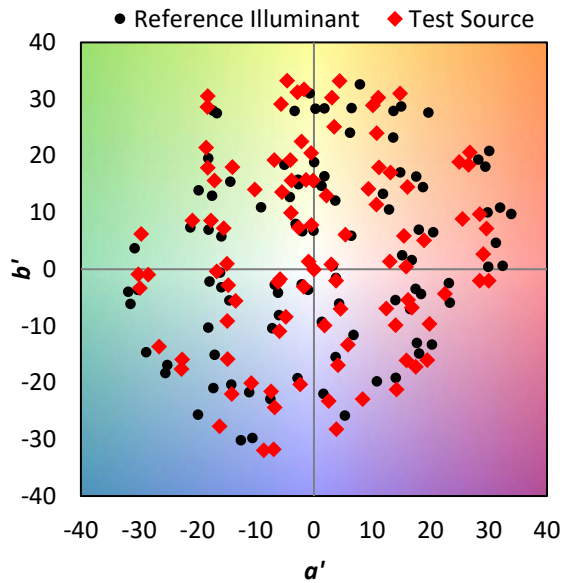
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_9 = 6.8$

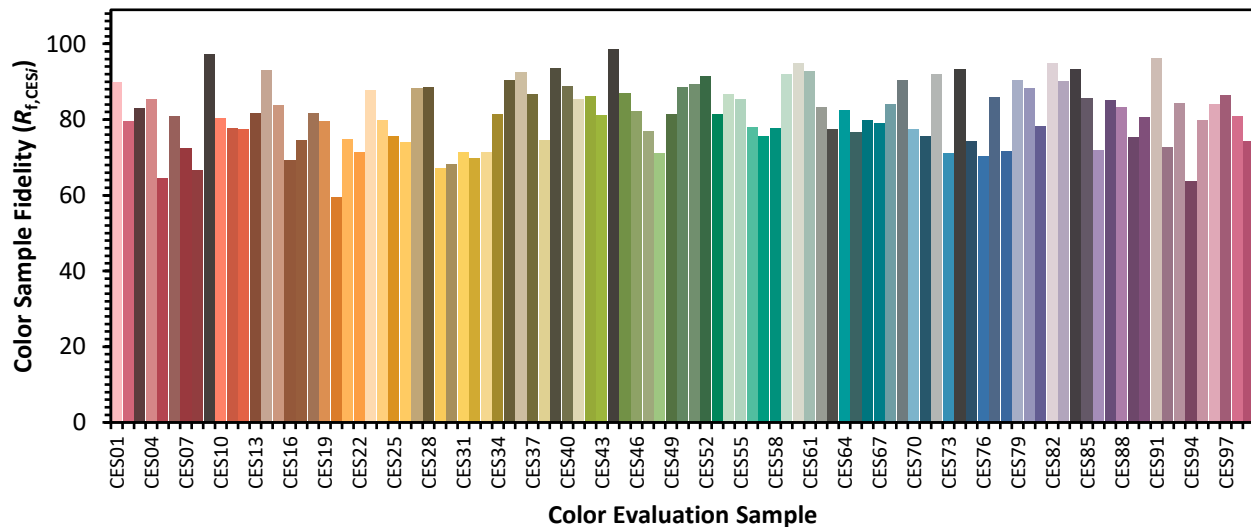


Color Vector Graphics

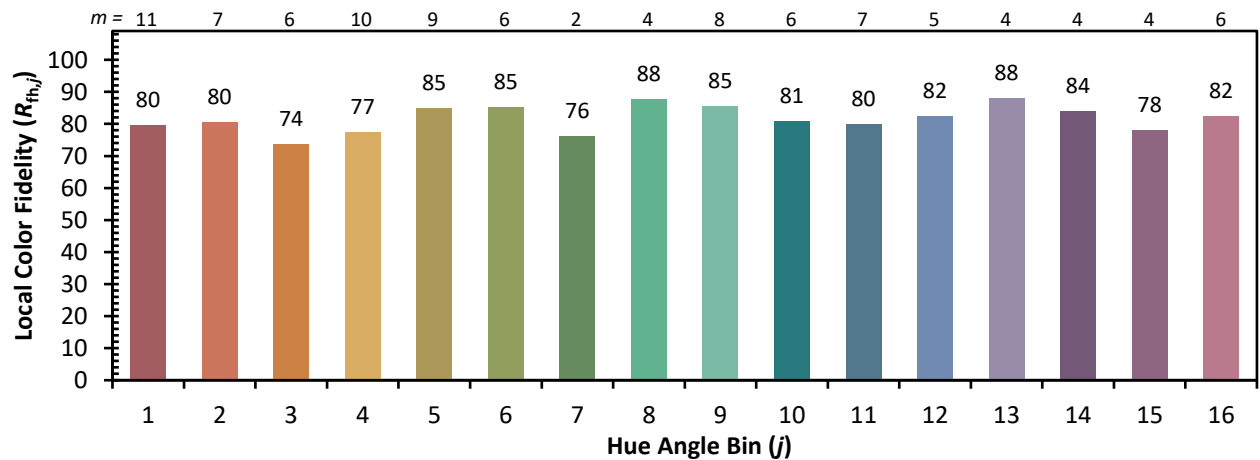
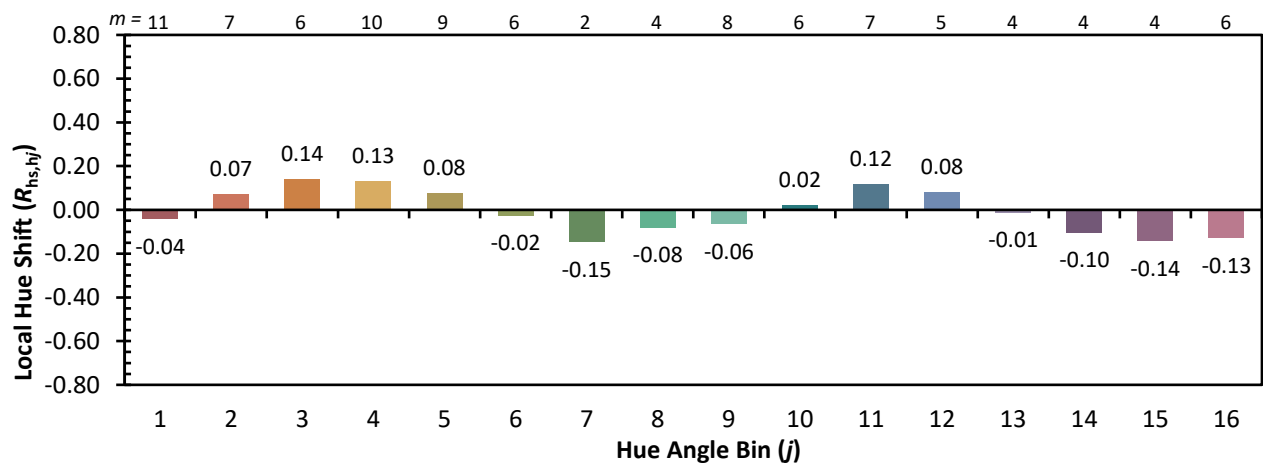
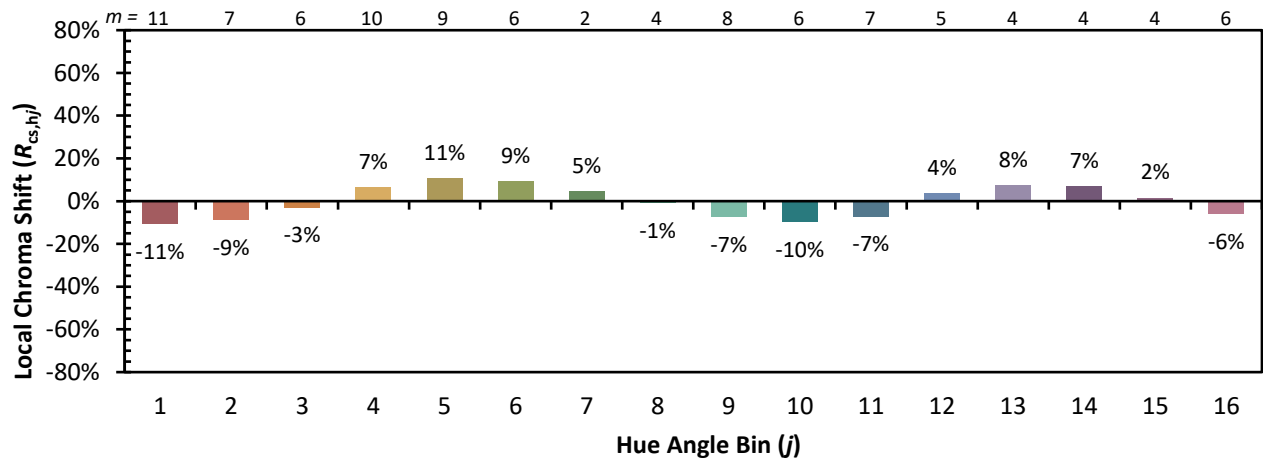


Individual Sample Fidelity Index ($R_{f,i}$)

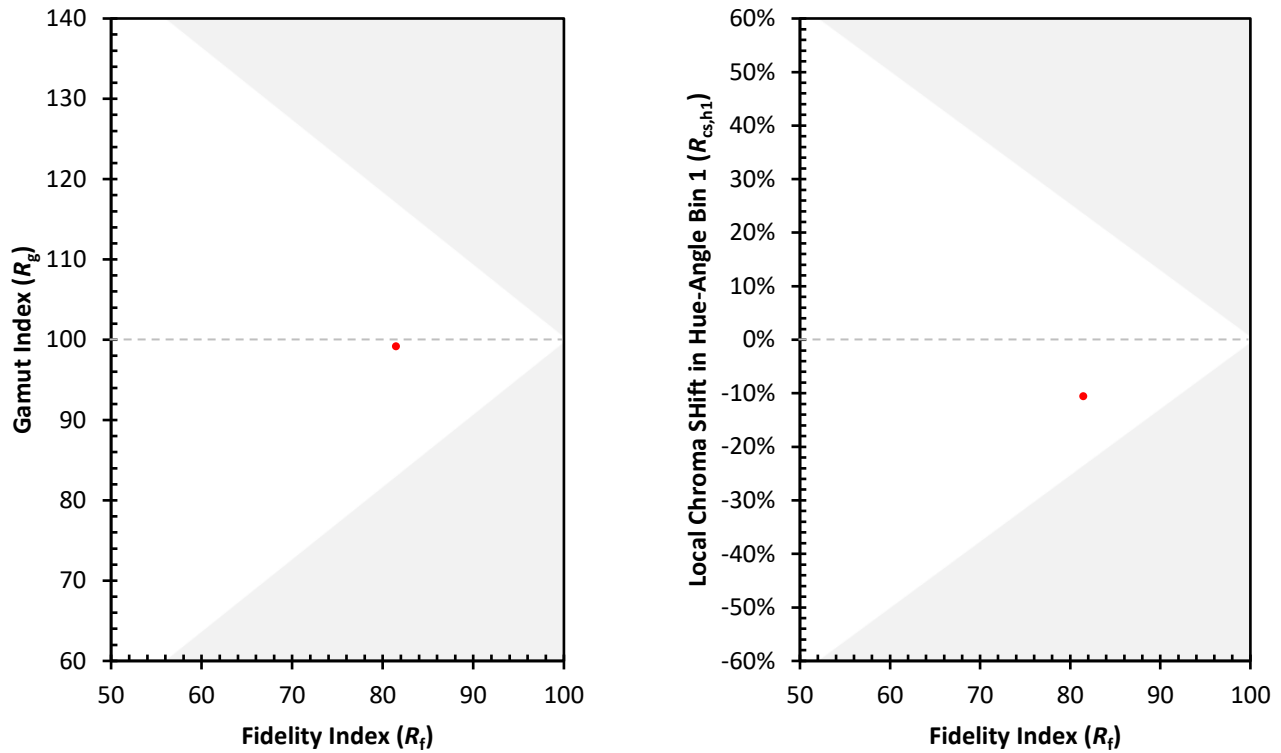
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)