

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: P1067103

Luminaire Tested: **NAV-SA1C-830-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067103
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1C-830-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 1xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4769.2 lumens
Efficiency: N/A
Efficacy: 95.2 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): 50.1
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



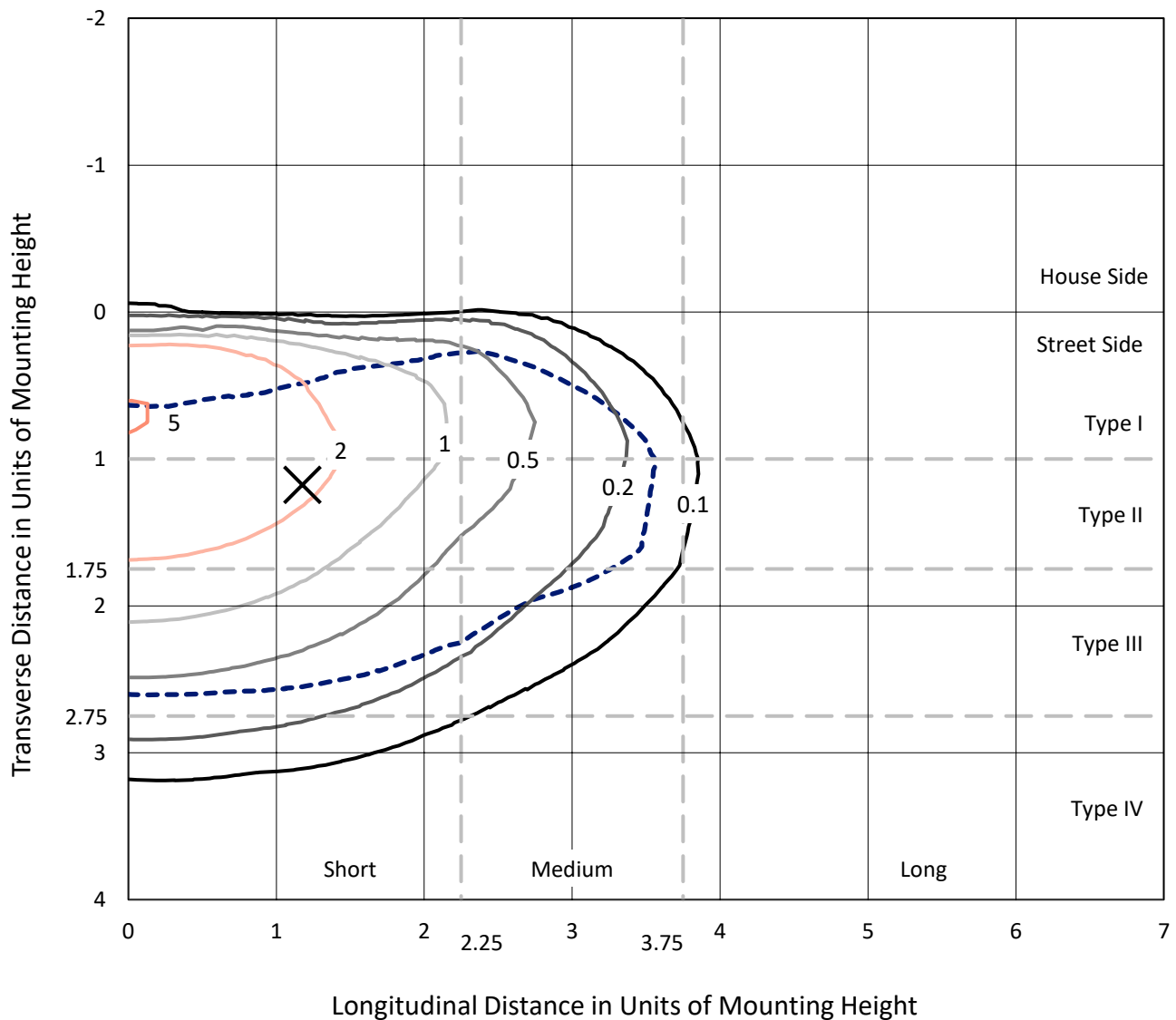
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

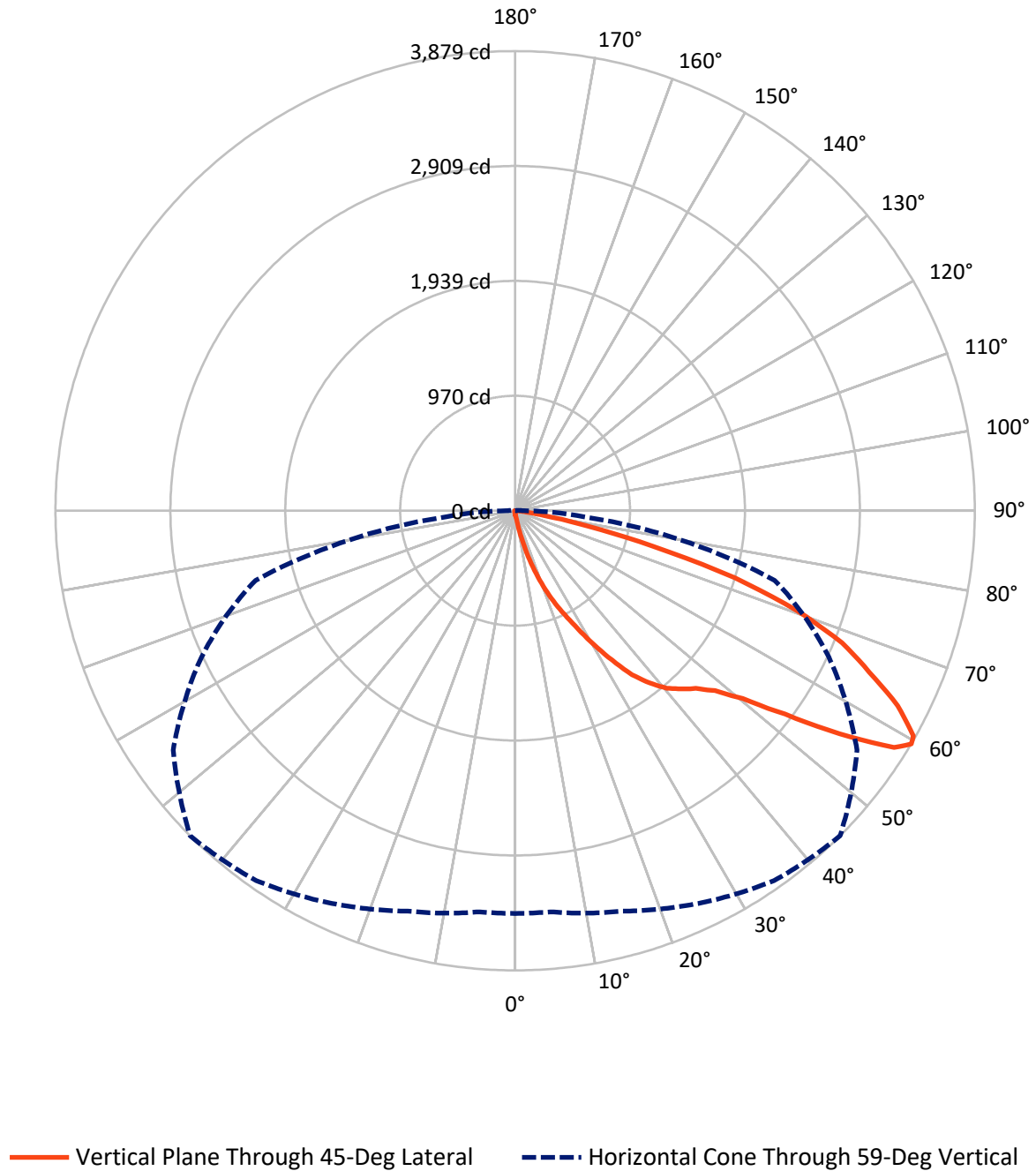


Based on 15 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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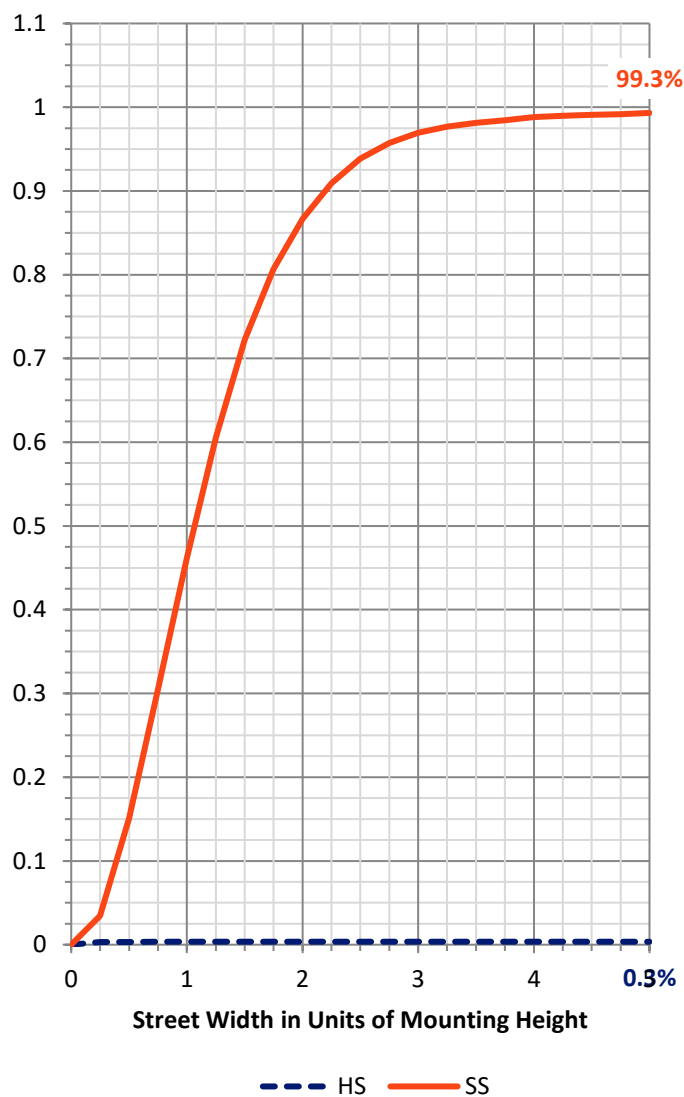
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16.9	0.0	16.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4752.3	0.0	4752.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	4769.2	0.0	4769.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	52.7	1.1
20°-30°	189.4	4.0
30°-40°	440.1	9.2
40°-50°	750.2	15.7
50°-60°	1236.1	25.9
60°-70°	1429.2	30.0
70°-80°	614.0	12.9
80°-90°	53.1	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°	4769.2	100.0
0°-180°	4769.2	100.0



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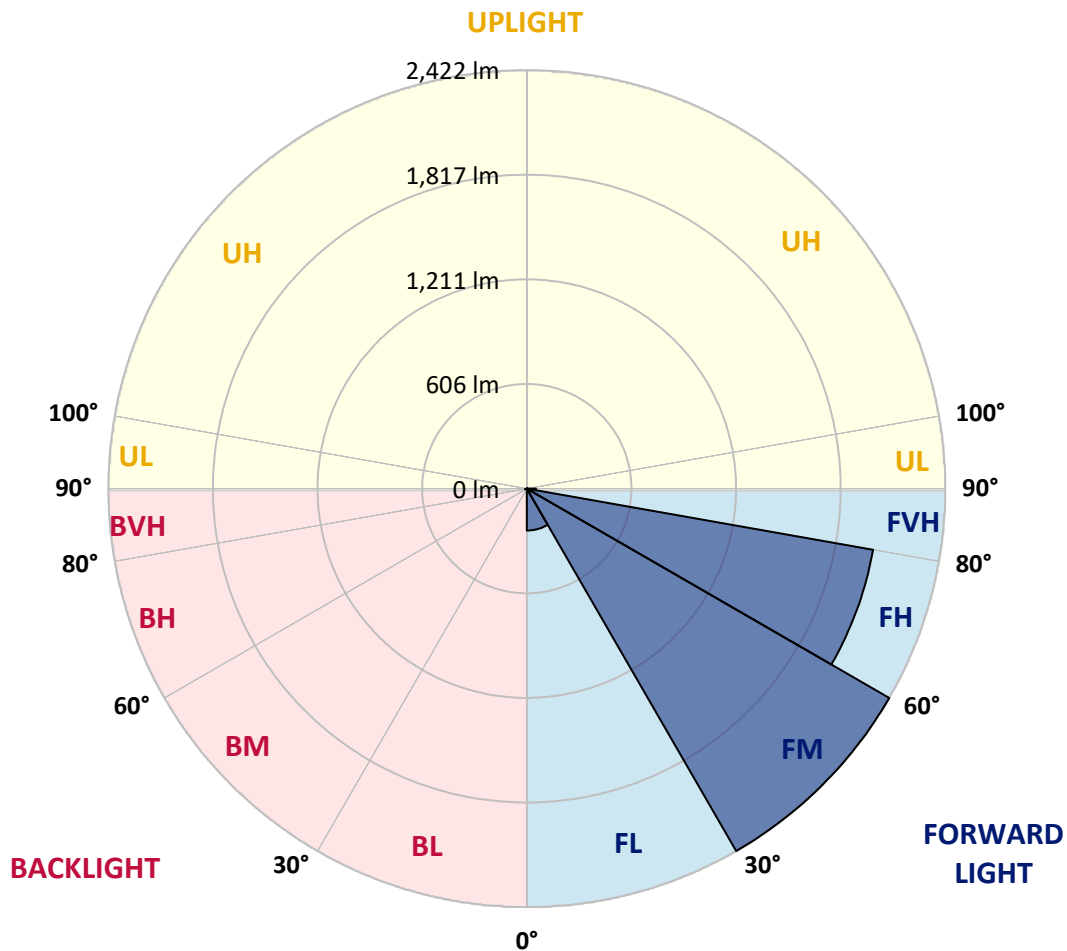
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	242.4	5.1			
FM	(30°-60°)	2422.3	50.8			
FH	(60°-80°)	2035.2	42.7			G2/5000
FVH	(80°-90°)	52.4	1.1			G1/100
BL	(0°-30°)	4.2	0.1	B0/110		
BM	(30°-60°)	4.1	0.1	B0/220		
BH	(60°-80°)	8.0	0.2	B0/110		G0/110
BVH	(80°-90°)	0.7	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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CATALOG NUMBER: NAV-SA1C-830-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
2.5°	39.1	39.1	38.2	36.9	36.6	35.6	35.6	34.6	33.4	32.4	31.1
5°	56.8	56.4	53.9	50.7	46.5	43.9	43.9	40.4	37.2	34.3	31.7
7.5°	124.1	121.2	111.9	96.5	76.3	62.9	61.9	50.3	42.7	36.9	32.1
10°	284.8	274.8	261.7	224.8	166.1	116.1	113.8	73.4	51.0	39.8	32.7
12.5°	466.6	474.6	448.3	390.3	321.6	239.2	223.2	123.8	67.3	43.6	33.4
15°	632.1	630.1	615.4	567.9	488.7	379.0	369.1	215.2	96.5	49.7	34.0
17.5°	755.9	753.6	739.5	709.0	648.1	538.4	529.8	343.1	151.4	58.4	34.6
20°	886.4	883.5	863.6	839.2	786.0	692.7	682.4	486.2	237.0	72.5	34.6
22.5°	1042.9	1037.4	1016.2	974.9	918.8	837.6	828.3	632.4	343.1	95.6	36.2
25°	1232.1	1222.8	1193.6	1156.4	1088.7	981.0	971.0	795.3	471.1	130.5	37.8
27.5°	1447.9	1449.5	1410.0	1347.2	1256.4	1146.4	1127.8	941.2	603.5	180.5	39.8
30°	1704.1	1688.1	1632.6	1559.5	1471.3	1331.2	1313.2	1086.5	752.3	254.3	43.0
32.5°	1944.0	1926.7	1851.9	1759.9	1665.3	1517.5	1502.7	1249.7	887.7	341.5	48.7
35°	2149.9	2137.7	2033.1	1920.9	1836.9	1704.8	1700.3	1431.9	1046.7	435.5	55.2
37.5°	2331.0	2308.9	2174.6	2058.1	1972.8	1854.5	1844.9	1598.6	1200.0	544.5	64.8
40°	2485.6	2473.4	2309.6	2156.6	2087.3	1981.5	1969.3	1744.8	1358.4	671.2	76.6
42.5°	2651.1	2635.1	2476.0	2304.4	2176.8	2063.6	2055.6	1865.4	1499.5	810.4	94.3
45°	2838.0	2808.2	2668.7	2514.8	2320.8	2148.6	2139.6	1972.8	1644.1	959.8	115.8
47.5°	3037.8	3011.9	2899.0	2790.9	2567.7	2288.7	2269.5	2064.2	1787.8	1132.3	143.0
50°	3241.1	3241.8	3157.1	3105.2	2869.5	2516.4	2489.1	2198.6	1938.9	1317.0	183.4
52.5°	3477.8	3483.9	3482.6	3444.1	3261.4	2888.7	2852.2	2402.6	2114.3	1532.5	239.2
55°	3576.9	3587.8	3658.7	3744.0	3694.3	3360.8	3321.6	2754.4	2346.8	1772.7	322.0
57.5°	3495.8	3508.0	3605.8	3755.2	3869.4	3774.1	3769.6	3212.3	2653.0	2063.9	457.3
59°	3399.2	3397.6	3498.0	3656.4	3810.4	3872.3	3878.7	3522.1	2919.8	2268.2	574.0
60°	3335.1	3336.4	3403.1	3565.7	3729.2	3836.7	3861.7	3704.5	3075.7	2415.1	674.1
62.5°	3087.5	3102.3	3155.2	3306.2	3461.5	3581.4	3624.0	3867.1	3521.7	2762.0	1022.0
65°	2818.5	2819.4	2894.8	3024.0	3172.8	3257.2	3284.1	3614.1	3819.7	3115.4	1478.4
67.5°	2338.4	2358.0	2443.6	2653.0	2849.6	2956.4	2976.9	3145.9	3696.2	3345.7	1707.0
70°	1636.4	1662.1	1784.3	2055.9	2348.7	2524.1	2522.8	2615.2	3253.0	3243.1	1447.2
72.5°	817.1	861.4	961.1	1251.9	1606.6	1882.1	1940.1	2103.7	2613.2	2693.7	1079.7
75°	361.1	363.7	420.4	567.0	798.5	1148.4	1200.3	1669.8	2004.9	1872.2	779.9
77.5°	210.0	212.0	222.2	254.6	323.6	562.8	621.2	1095.1	1416.8	1088.1	508.6
80°	76.3	78.2	77.9	96.5	141.7	221.6	246.9	530.7	945.1	573.1	266.5
82.5°	46.8	46.8	45.2	45.5	51.6	85.0	93.0	226.1	460.2	282.2	76.3
85°	23.1	24.4	26.0	29.2	34.6	42.0	44.6	64.8	154.9	68.3	18.3
87.5°	13.8	14.1	15.4	18.6	23.1	30.1	32.1	43.9	55.5	45.9	4.5
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-SA1C-830-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
2.5°	30.5	30.1	28.5	27.3	26.0	24.7	23.7	22.8	22.8	23.1	22.8
5°	30.5	29.2	26.6	24.4	22.4	20.8	19.2	18.0	17.6	17.6	18.0
7.5°	30.1	28.5	25.0	22.1	19.6	17.3	15.7	14.1	13.8	14.1	13.8
10°	29.8	27.9	23.7	20.2	16.7	14.4	12.2	10.6	10.6	10.6	10.9
12.5°	29.8	26.9	22.4	18.3	14.4	11.9	9.6	8.0	7.7	7.7	7.7
15°	29.5	26.3	21.2	16.0	12.2	9.0	7.1	5.5	5.5	5.5	5.5
17.5°	28.9	25.3	19.6	14.1	9.6	6.7	4.8	3.2	3.2	3.8	3.8
20°	28.2	24.4	17.6	11.5	8.0	5.1	3.2	1.9	1.9	2.9	3.2
22.5°	28.5	24.4	16.4	10.3	6.4	3.8	2.6	1.6	1.3	2.2	2.9
25°	28.9	23.7	14.8	9.0	4.8	2.9	1.9	0.6	0.3	0.6	1.0
27.5°	28.9	23.1	12.8	7.1	3.5	2.2	1.0	0.0	0.0	0.0	0.0
30°	28.5	22.1	11.2	5.8	2.6	1.3	0.3	0.0	0.0	0.0	0.0
32.5°	28.2	21.2	10.3	4.5	2.2	0.6	0.0	0.0	0.0	0.0	0.0
35°	28.5	19.9	9.0	3.5	1.3	0.0	0.0	0.0	0.0	0.0	0.6
37.5°	29.5	18.6	7.7	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	30.8	17.6	6.4	2.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	33.4	17.6	5.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	36.6	17.6	4.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	40.7	18.0	4.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	45.9	18.6	3.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	49.7	18.0	3.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	56.4	17.3	3.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	65.4	16.4	3.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	74.4	15.1	3.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	84.7	14.4	2.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	139.8	12.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	270.0	12.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	436.5	12.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	458.9	12.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	305.3	9.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	163.5	9.0	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	88.2	8.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	38.8	6.1	1.6	1.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	15.4	4.2	1.9	1.6	1.3	0.6	0.0	0.0	0.0	0.0	0.0
85°	7.4	3.2	2.6	2.2	1.6	1.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.5	3.2	2.9	2.6	2.2	1.6	0.3	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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

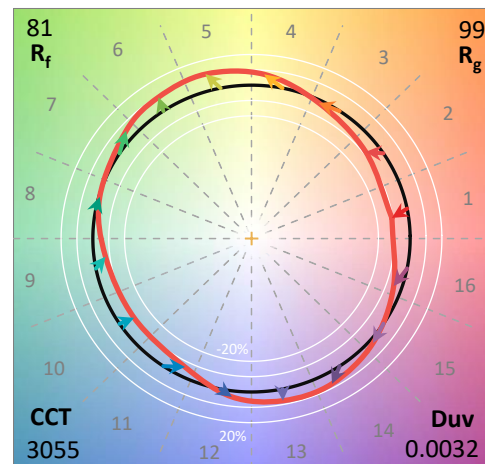
Test Information

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

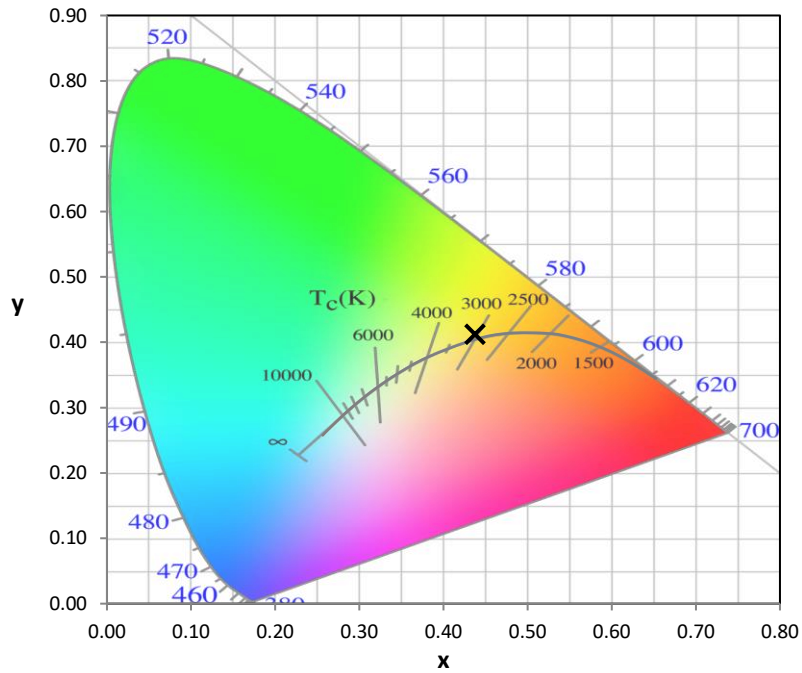
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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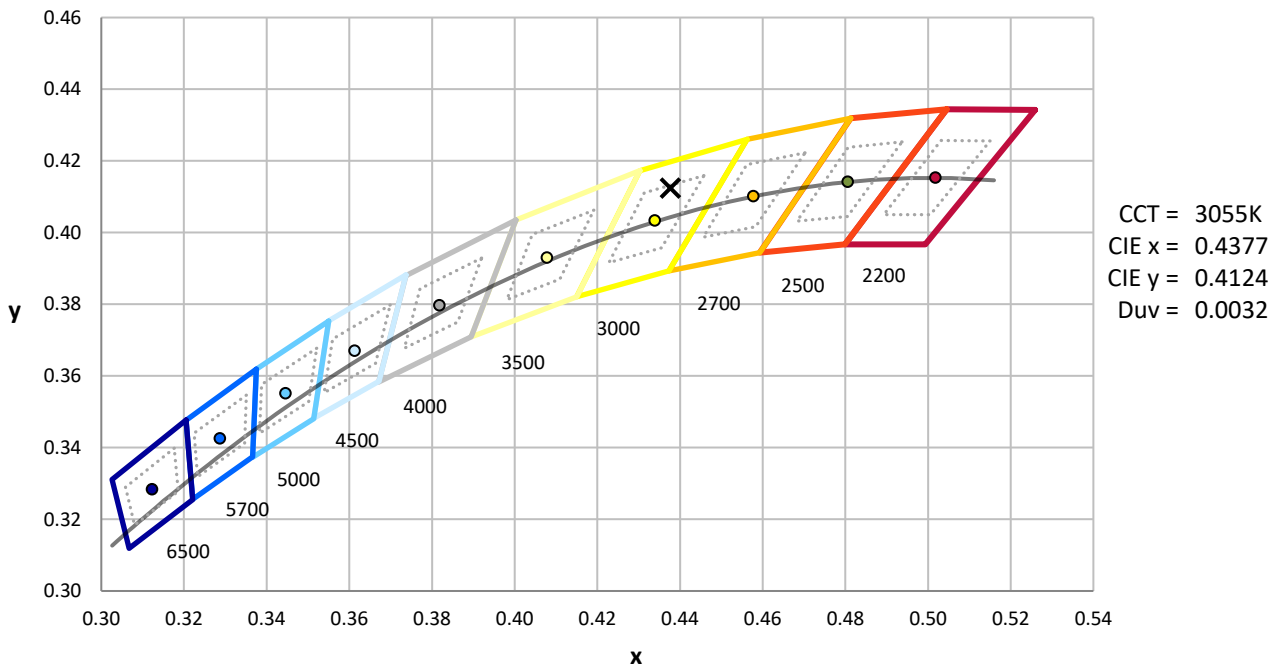
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



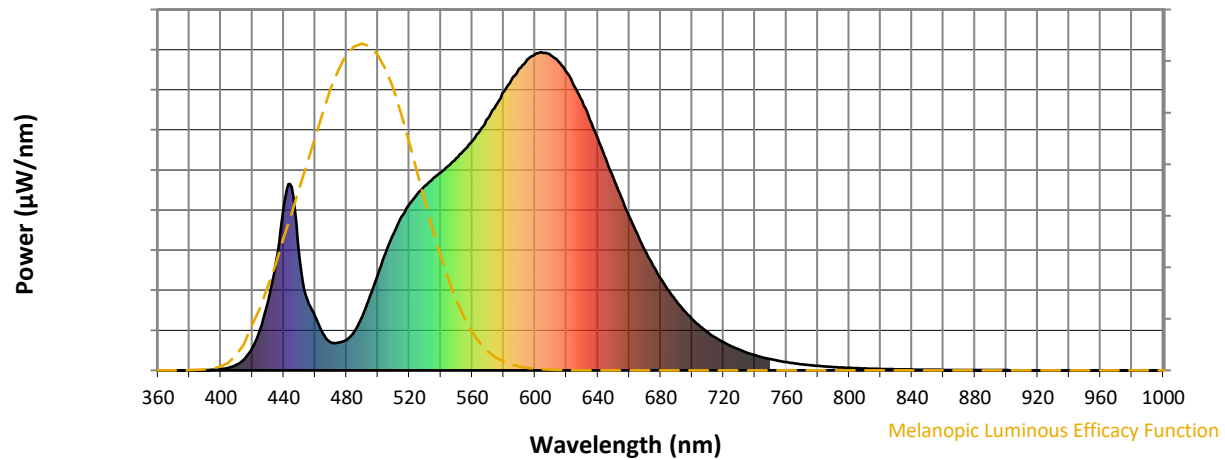
Scotopic Lumens: NR

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

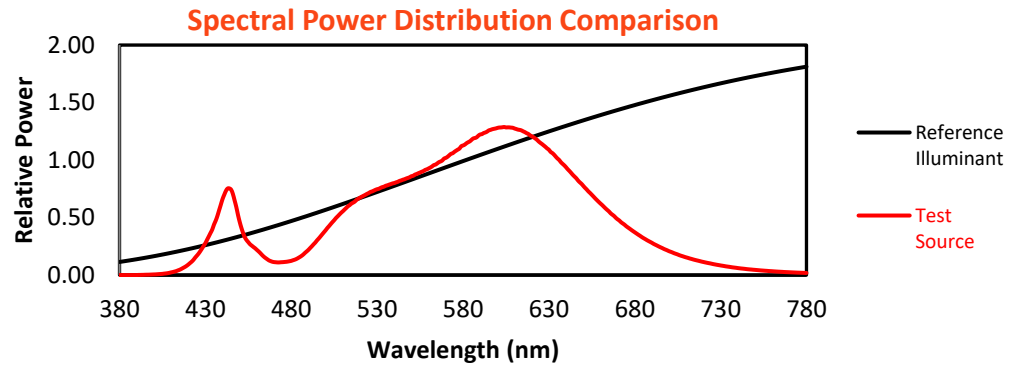
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	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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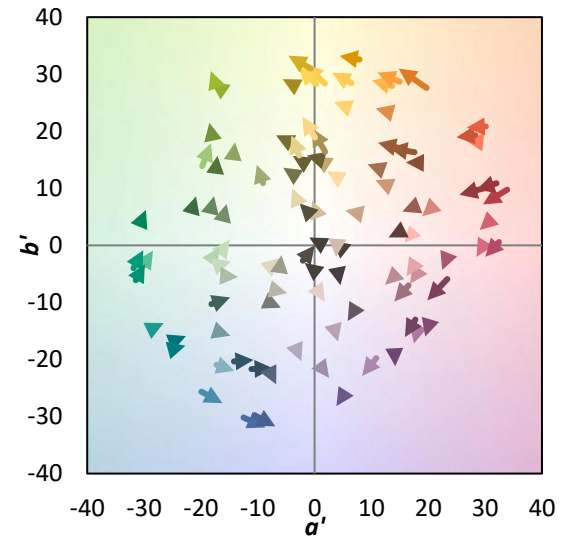
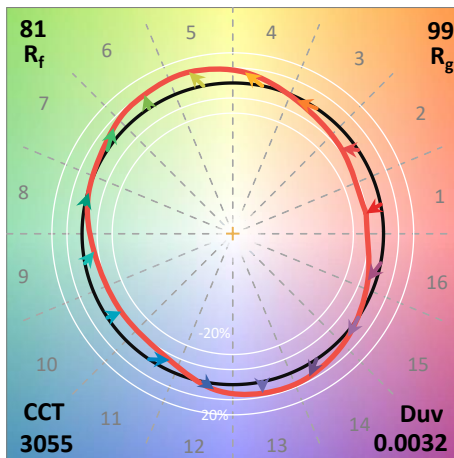
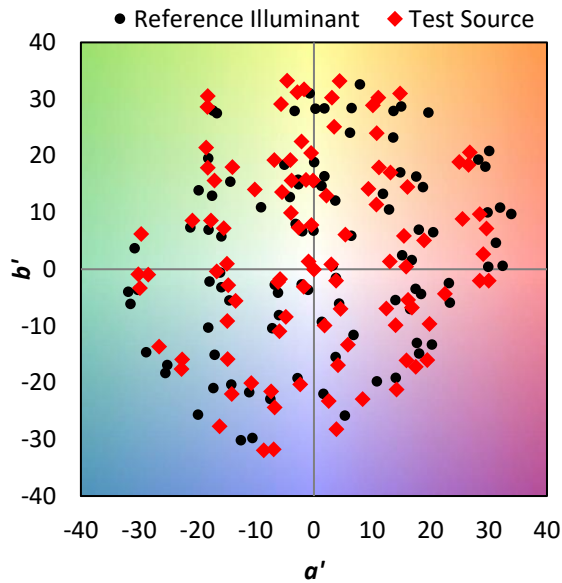
TM-30-18

Summary

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



Color Vector Graphics

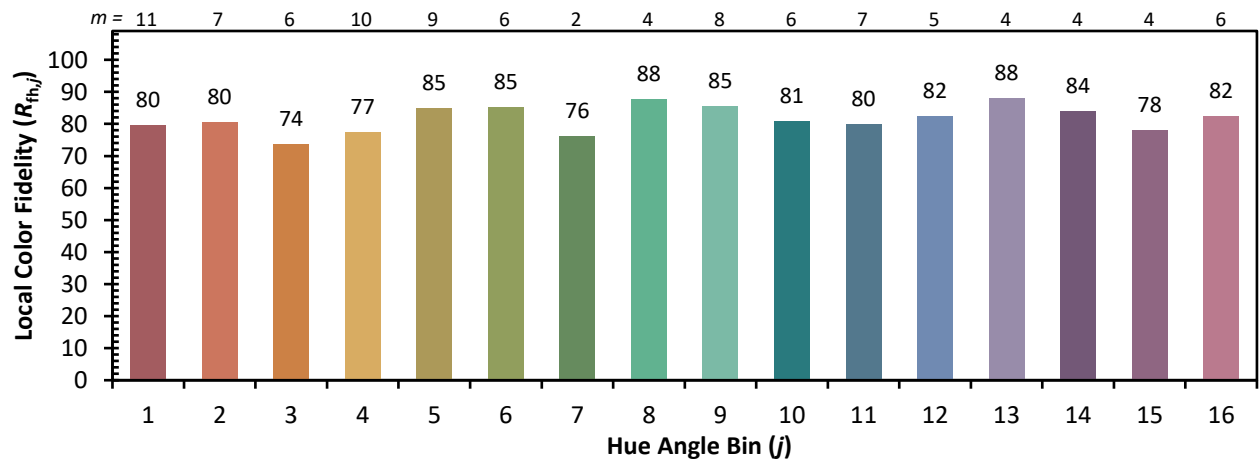
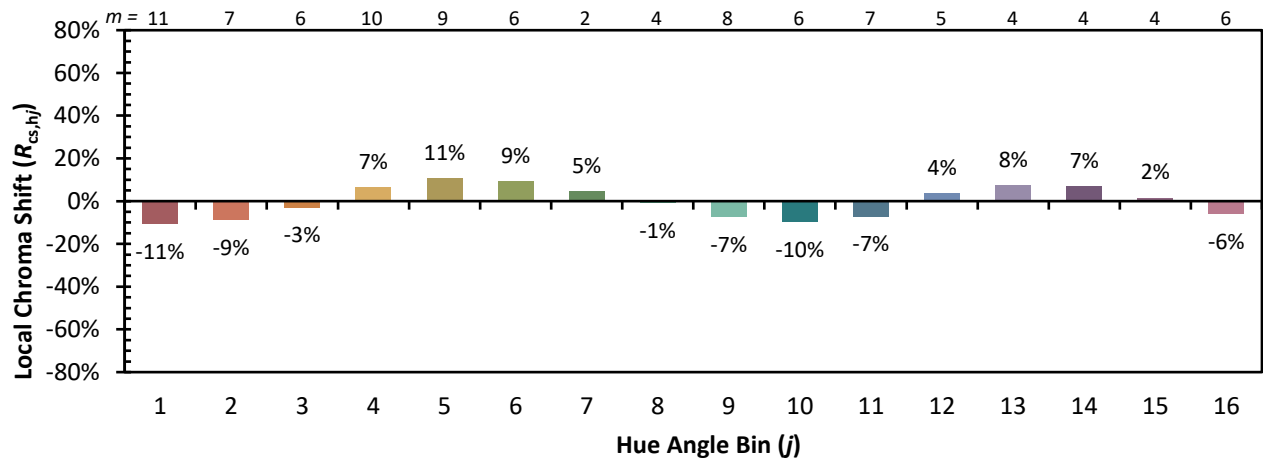


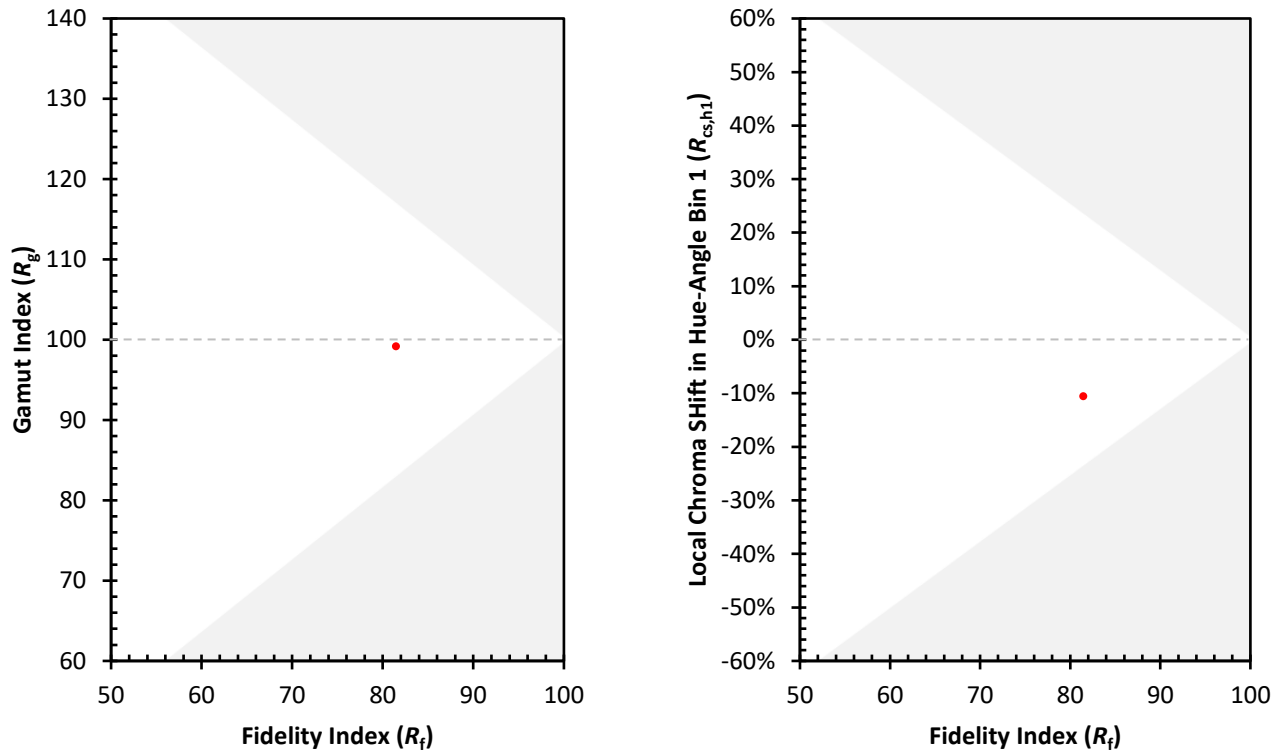
Individual Sample Fidelity Index ($R_{f,i}$)

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)