

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: P1067594

Luminaire Tested: **NAV-SA4B-830-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067594
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4B-830-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13977.9 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 144.1
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

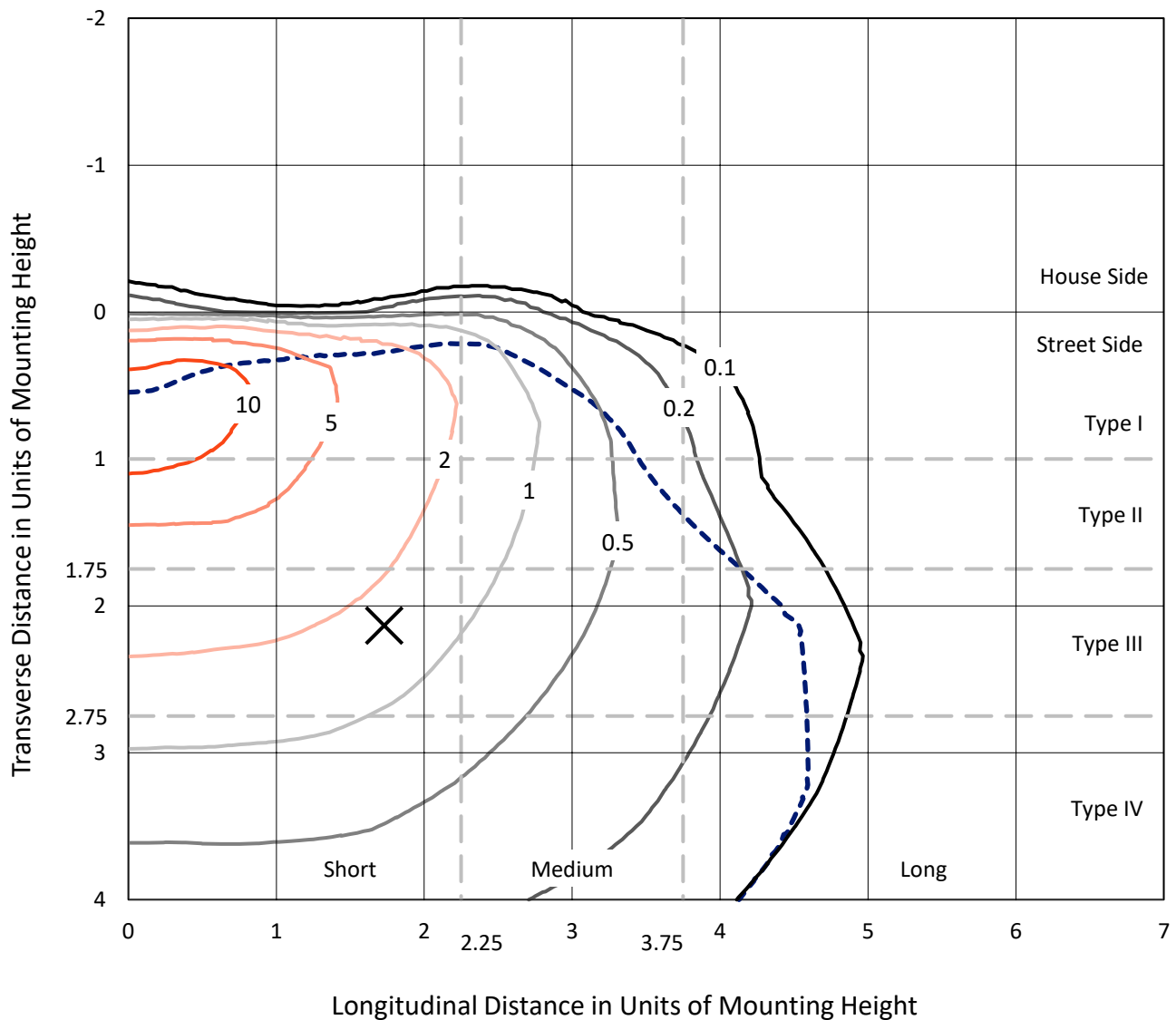


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

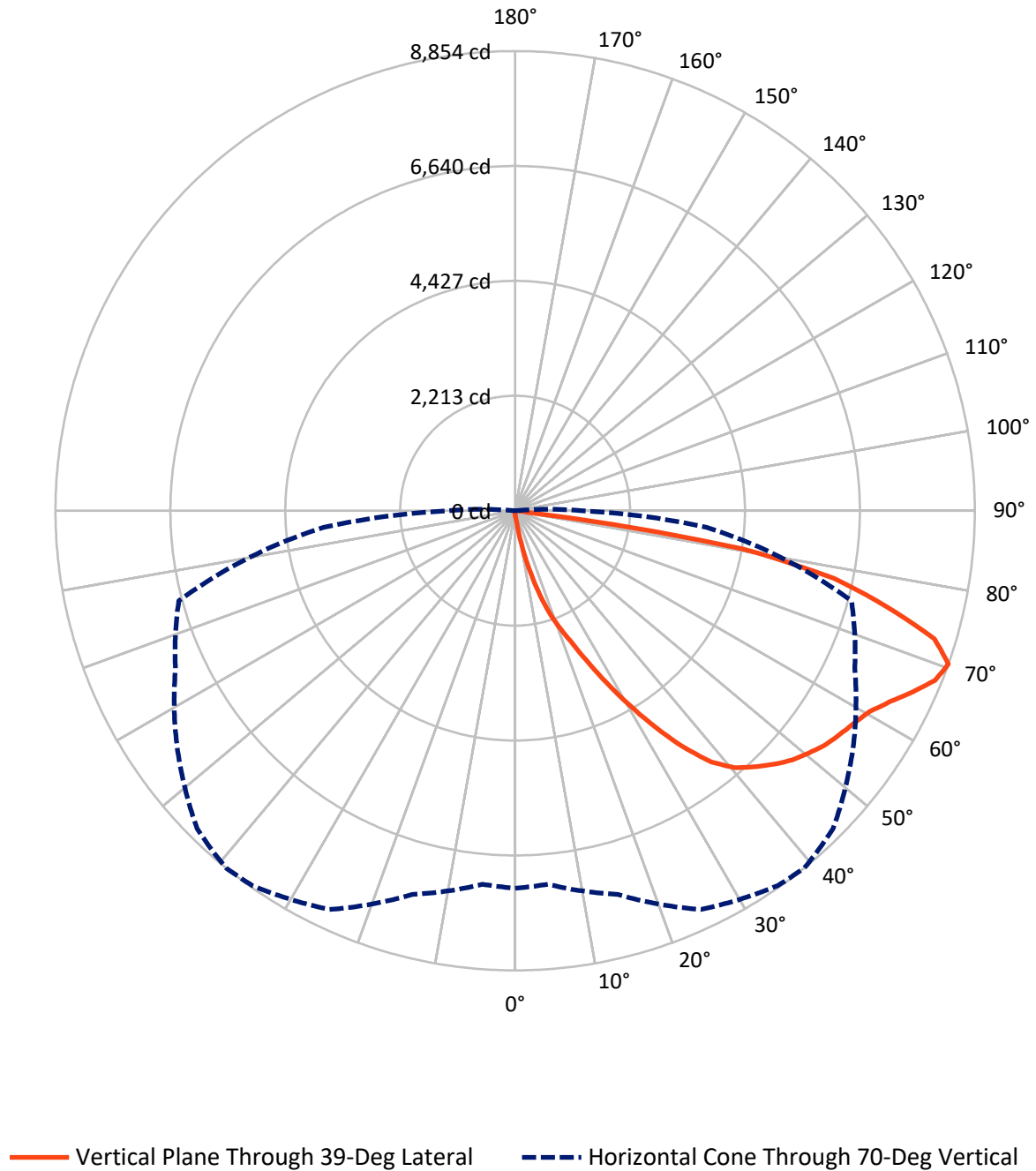


Based on 15 foot mounting height. Maximum calculated value = 15.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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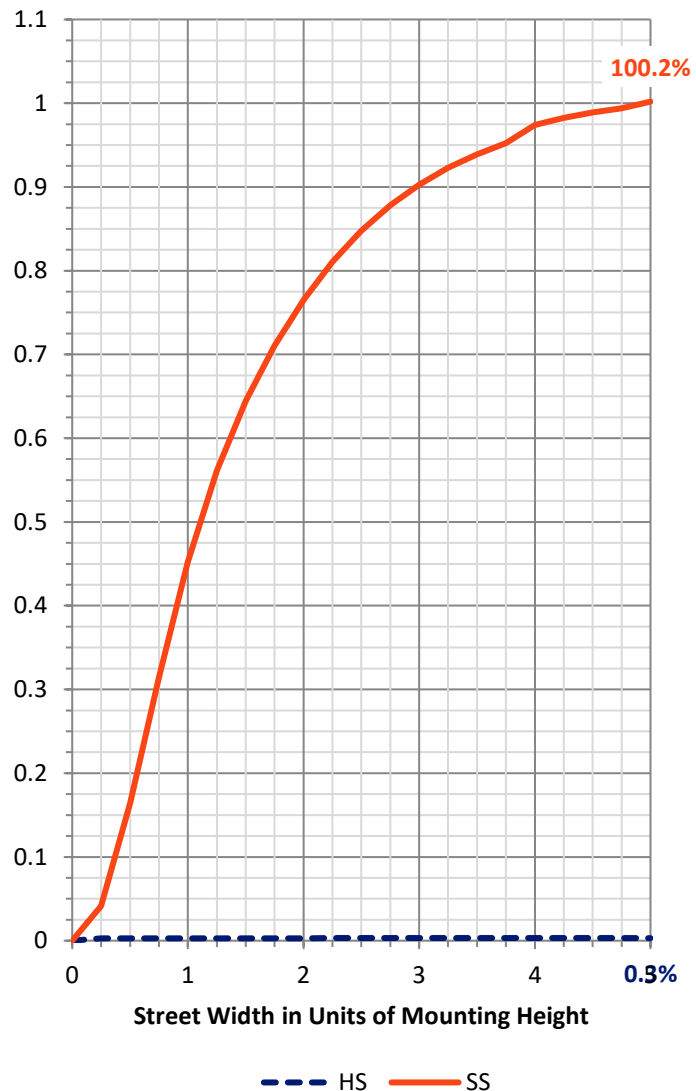
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	43.1	0.0	43.1
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	13934.8	0.0	13934.8
	% Fixture	99.7	0.0	99.7
Total	Lumens	13977.9	0.0	13977.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	0.1
10°-20°	171.8	1.2
20°-30°	583.1	4.2
30°-40°	1370.5	9.8
40°-50°	2225.4	15.9
50°-60°	2820.0	20.2
60°-70°	3582.1	25.6
70°-80°	2910.5	20.8
80°-90°	299.7	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°	13977.9	100.0
0°-180°	13977.9	100.0



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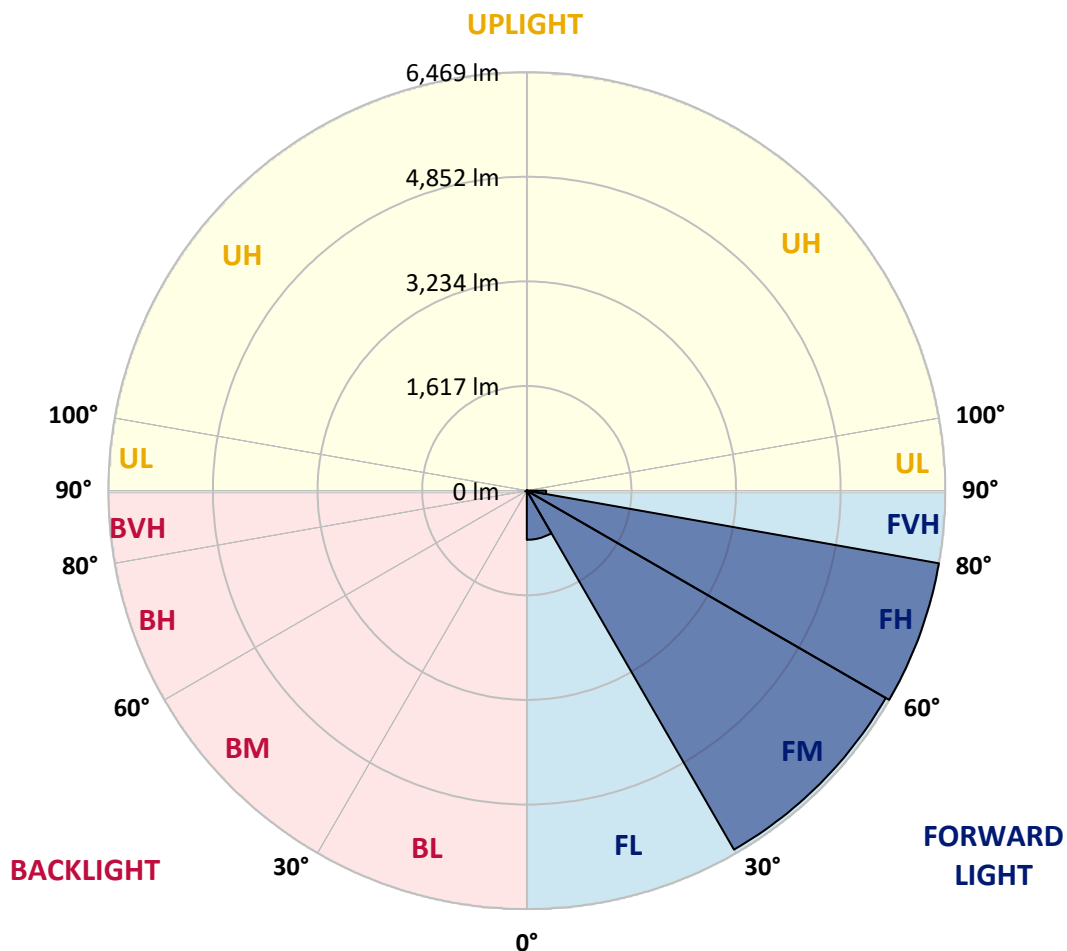
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	760.4	5.4			
FM	(30°-60°)	6407.6	45.8			
FH	(60°-80°)	6469.0	46.3			G3/7500
FVH	(80°-90°)	297.9	2.1			G3/500
BL	(0°-30°)	9.3	0.1	B0/110		
BM	(30°-60°)	8.3	0.1	B0/220		
BH	(60°-80°)	23.7	0.2	B0/110		G0/110
BVH	(80°-90°)	1.8	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-G3

Type IV Short



REPORT NUMBER: P1067594

CATALOG NUMBER: NAV-SA4B-830-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
2.5°	98.7	98.7	98.7	94.9	94.9	91.1	91.1	87.3	83.5	83.5	79.7
5°	186.0	189.7	178.4	155.6	140.4	132.8	125.2	106.3	94.9	87.3	79.7
7.5°	508.5	493.3	470.6	394.7	303.6	258.1	220.1	155.6	113.8	91.1	79.7
10°	1070.2	1028.4	963.9	861.5	683.1	611.0	474.4	284.6	159.4	102.5	79.7
12.5°	1571.1	1578.7	1499.0	1400.3	1184.0	1062.6	876.6	535.1	250.5	121.4	79.7
15°	1950.6	1943.0	1912.7	1833.0	1639.4	1521.8	1354.8	899.4	421.2	151.8	83.5
17.5°	2250.4	2220.0	2208.7	2174.5	2049.3	1984.8	1802.6	1324.4	667.9	204.9	87.3
20°	2550.2	2542.6	2531.2	2493.3	2409.8	2364.2	2223.8	1753.3	994.3	292.2	94.9
22.5°	2986.6	2944.9	2952.5	2869.0	2800.7	2721.0	2607.1	2208.7	1370.0	417.4	106.3
25°	3498.9	3495.1	3434.4	3396.5	3282.6	3195.3	3043.5	2648.9	1787.4	603.4	117.6
27.5°	4102.3	4060.6	4034.0	3969.5	3851.9	3753.2	3544.5	3085.3	2239.0	812.1	132.8
30°	4732.3	4732.3	4683.0	4584.3	4470.4	4349.0	4136.5	3544.5	2686.8	1077.8	151.8
32.5°	5468.5	5483.7	5362.3	5214.2	5066.2	4982.8	4705.7	4064.4	3115.6	1381.4	174.6
35°	6182.0	6163.0	5961.9	5798.7	5688.6	5597.5	5362.3	4633.6	3601.4	1734.3	204.9
37.5°	6865.0	6815.7	6481.8	6250.3	6200.9	6140.2	5904.9	5202.9	4083.4	2125.2	242.9
40°	7354.6	7278.7	6933.4	6614.6	6542.5	6508.3	6326.2	5719.0	4591.9	2561.6	292.2
42.5°	7567.1	7479.8	7240.7	6982.7	6823.3	6743.6	6584.2	6140.2	5100.4	3047.3	364.3
45°	7608.9	7540.5	7369.8	7309.1	7092.7	6971.3	6755.0	6440.0	5574.8	3529.3	463.0
47.5°	7457.1	7426.7	7324.2	7453.3	7343.2	7176.2	6914.4	6663.9	5996.0	4113.7	599.6
50°	7085.2	7062.4	7111.7	7449.5	7525.4	7335.6	7088.9	6838.5	6360.3	4717.1	793.1
52.5°	6584.2	6580.4	6811.9	7350.8	7605.1	7487.4	7259.7	7013.1	6648.7	5301.5	1066.4
55°	6037.8	6102.3	6508.3	7259.7	7650.6	7597.5	7426.7	7168.6	6906.8	5844.2	1506.6
57.5°	5992.2	5965.6	6356.5	7221.8	7677.2	7707.5	7593.7	7331.8	7126.9	6288.2	2094.8
60°	6447.6	6386.9	6534.9	7301.5	7794.8	7847.9	7760.7	7457.1	7347.0	6637.4	2869.0
62.5°	6975.1	6918.2	6994.1	7608.9	8026.3	8102.2	7992.1	7586.1	7525.4	6880.2	3700.1
65°	7396.3	7350.8	7495.0	8068.0	8348.9	8413.4	8337.5	7825.2	7605.1	7077.6	4375.6
67.5°	7464.6	7407.7	7707.5	8375.4	8675.2	8720.8	8660.1	8056.7	7578.5	7092.7	4531.2
70°	7271.1	7221.8	7650.6	8474.1	8815.6	8853.6	8660.1	7946.6	7218.0	6705.7	3703.9
72.5°	6675.3	6713.3	7267.3	8235.0	8622.1	8447.5	8037.7	7392.5	6751.2	5684.8	2599.5
75°	5749.3	5791.1	6527.3	7578.5	7608.9	7396.3	7176.2	6800.5	6041.5	3745.6	1802.6
77.5°	4087.2	3939.1	5039.7	6257.9	6147.8	6284.4	6303.4	5658.3	5058.7	1950.6	1206.8
80°	402.3	341.5	633.8	1795.0	3965.7	4432.5	4614.6	4360.4	3730.4	872.8	633.8
82.5°	87.3	87.3	94.9	102.5	159.4	239.1	1096.7	2686.8	2409.8	444.0	204.9
85°	49.3	49.3	60.7	72.1	94.9	106.3	125.2	167.0	648.9	159.4	37.9
87.5°	37.9	41.7	49.3	60.7	79.7	87.3	106.3	132.8	163.2	148.0	11.4
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-SA4B-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
2.5°	79.7	75.9	72.1	68.3	64.5	64.5	60.7	60.7	60.7	60.7	60.7
5°	75.9	72.1	68.3	60.7	56.9	53.1	49.3	49.3	49.3	49.3	49.3
7.5°	75.9	72.1	64.5	56.9	49.3	45.5	41.7	37.9	37.9	41.7	41.7
10°	75.9	68.3	56.9	49.3	41.7	37.9	34.2	30.4	30.4	30.4	30.4
12.5°	72.1	64.5	53.1	45.5	37.9	30.4	22.8	19.0	19.0	19.0	19.0
15°	68.3	60.7	49.3	37.9	26.6	19.0	15.2	11.4	11.4	11.4	11.4
17.5°	68.3	56.9	45.5	34.2	19.0	11.4	7.6	3.8	3.8	3.8	7.6
20°	68.3	56.9	41.7	26.6	11.4	7.6	7.6	3.8	0.0	3.8	3.8
22.5°	68.3	53.1	34.2	19.0	11.4	7.6	3.8	0.0	0.0	0.0	0.0
25°	72.1	53.1	30.4	15.2	7.6	3.8	0.0	0.0	0.0	0.0	0.0
27.5°	72.1	49.3	26.6	11.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0
30°	75.9	49.3	22.8	7.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	75.9	45.5	15.2	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	75.9	41.7	11.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	75.9	37.9	11.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	79.7	34.2	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	83.5	30.4	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	87.3	26.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	98.7	26.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	113.8	26.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	136.6	26.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	178.4	22.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	258.1	22.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	432.6	22.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	759.0	22.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1282.7	22.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1673.6	26.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1271.3	22.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	607.2	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	269.4	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	117.6	11.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	45.5	7.6	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
82.5°	19.0	7.6	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
85°	11.4	7.6	7.6	7.6	3.8	3.8	3.8	0.0	0.0	0.0	0.0
87.5°	7.6	7.6	7.6	7.6	7.6	3.8	3.8	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: SP1-2407-184-9

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

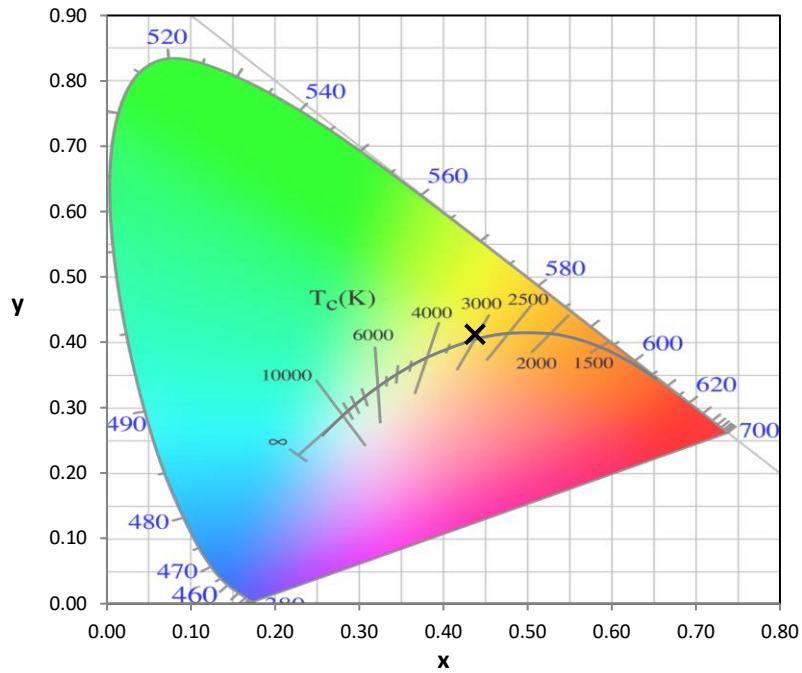
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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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

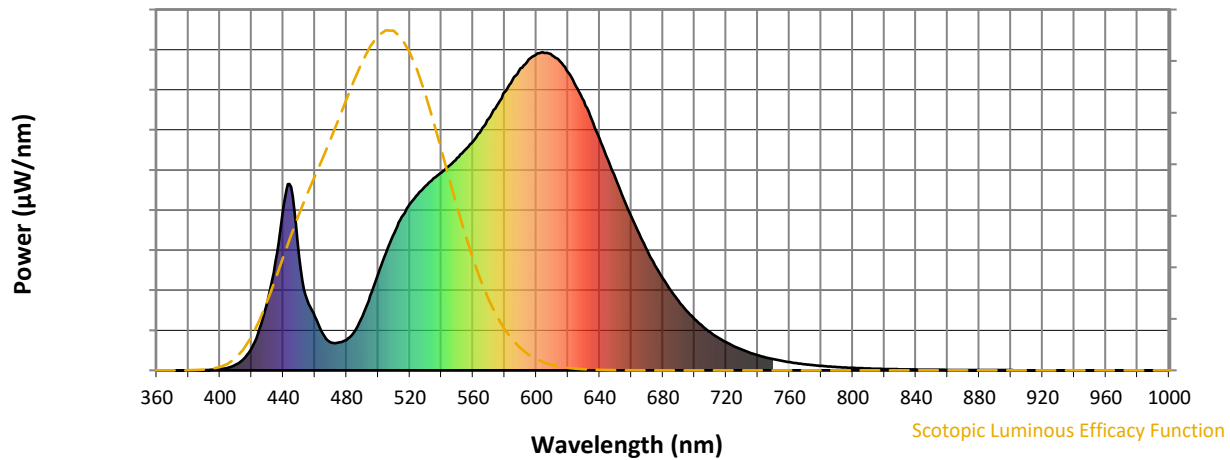


Photopic Lumens: NR

λ (nm)	Power W/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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Scotopic Flux vs. Wavelength



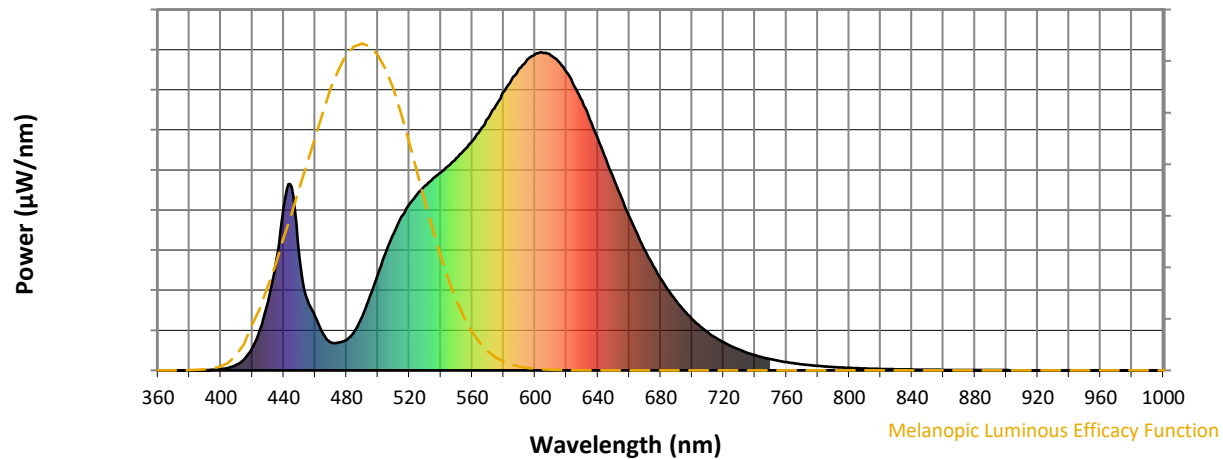
Scotopic Lumens: NR

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

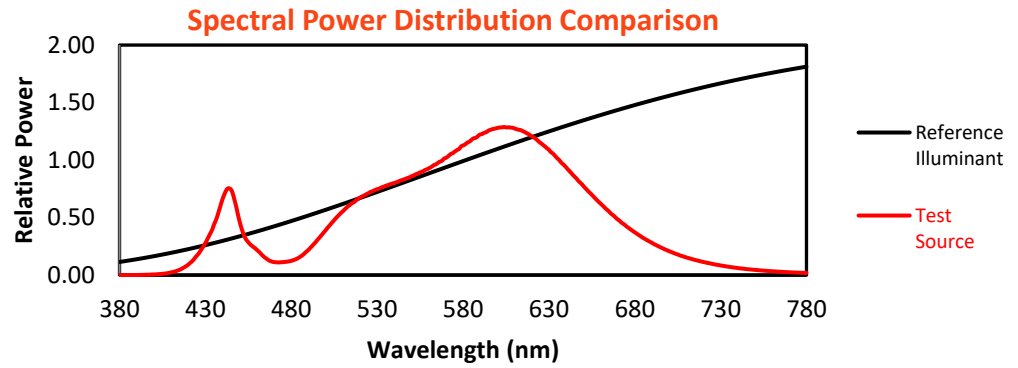
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	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			

REPORT NUMBER: SP1-2407-184-9

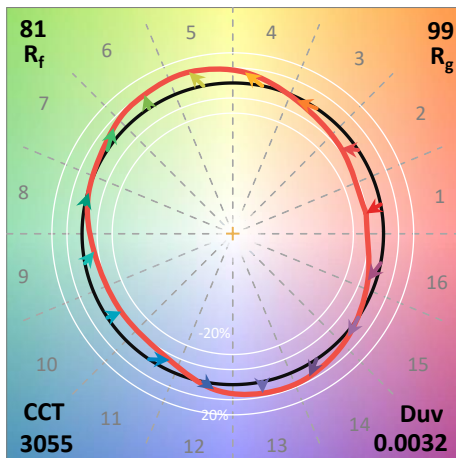
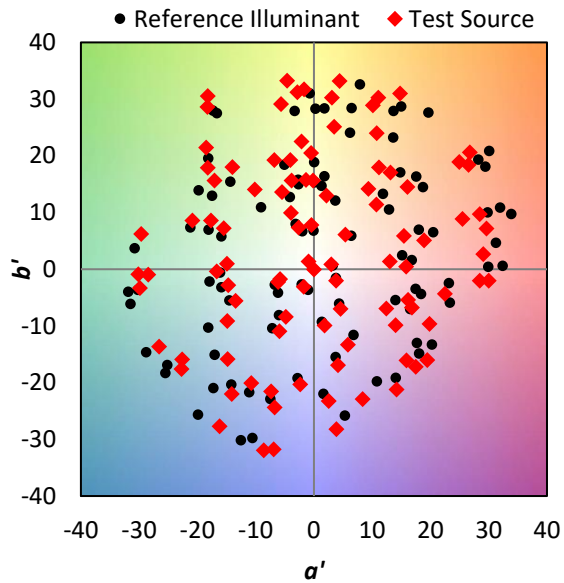
TM-30-18

Summary

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



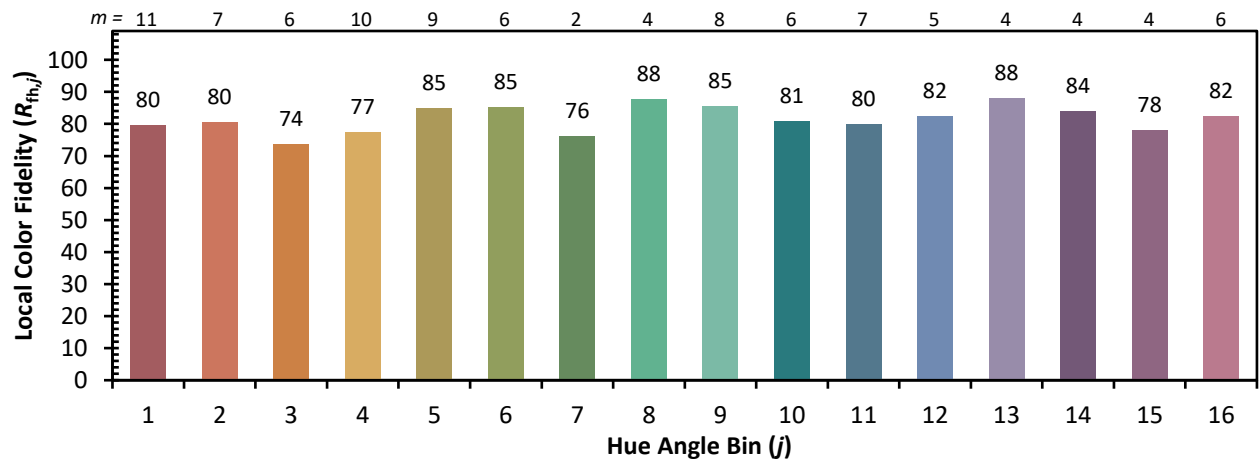
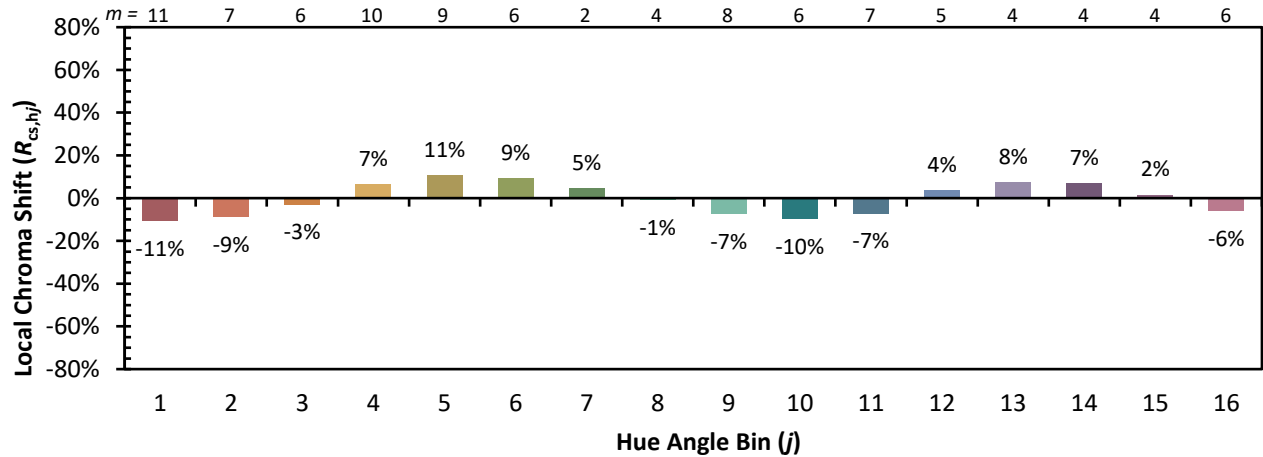
Color Vector Graphics



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)