

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: P1067348

Luminaire Tested: **NAV-SA2D-830-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067348
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA2D-830-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 2xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (28) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9607.6 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107
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



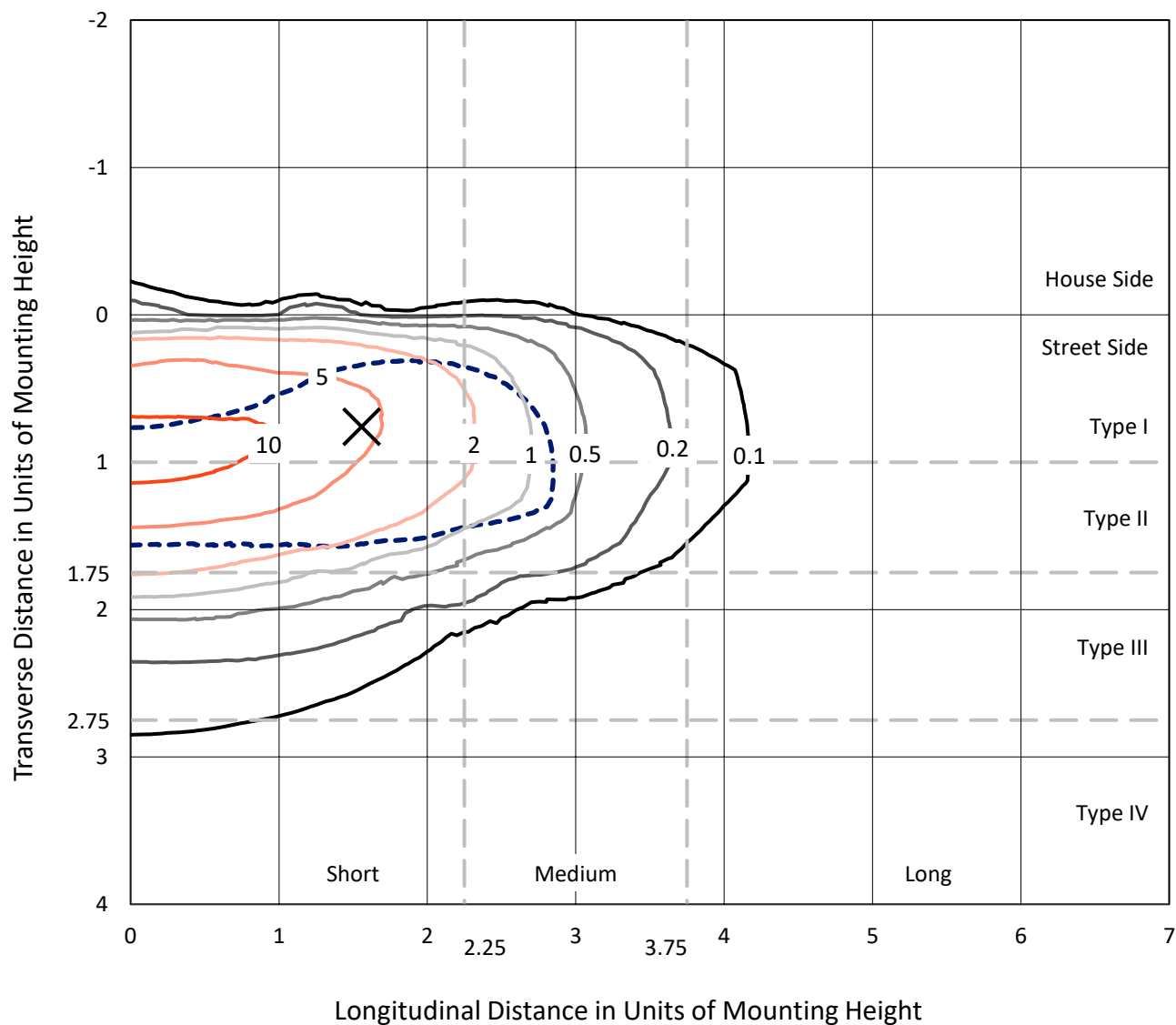
REPORT NUMBER: P1067348

CATALOG NUMBER: NAV-SA2D-830-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

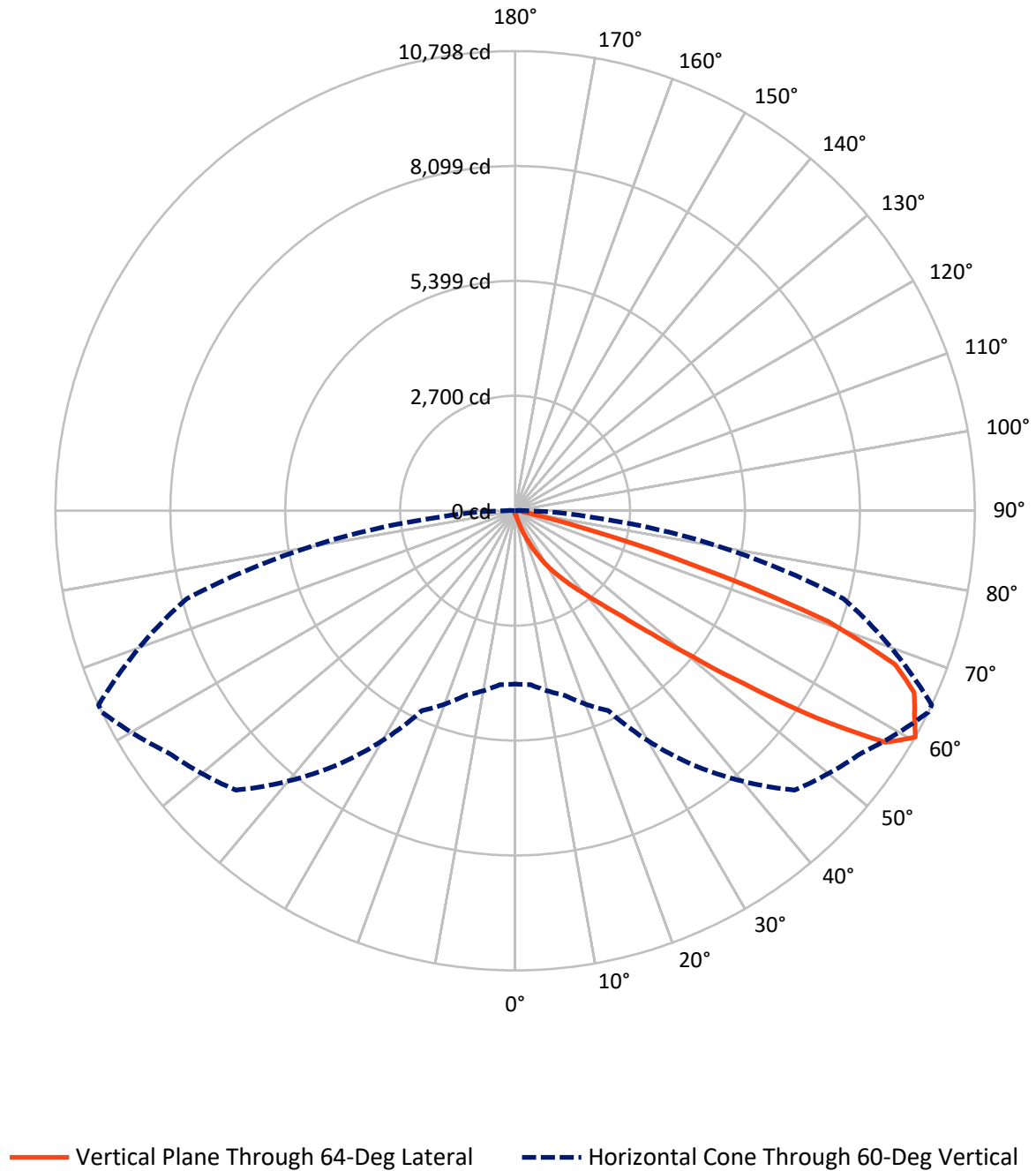


Based on 15 foot mounting height. Maximum calculated value = 13.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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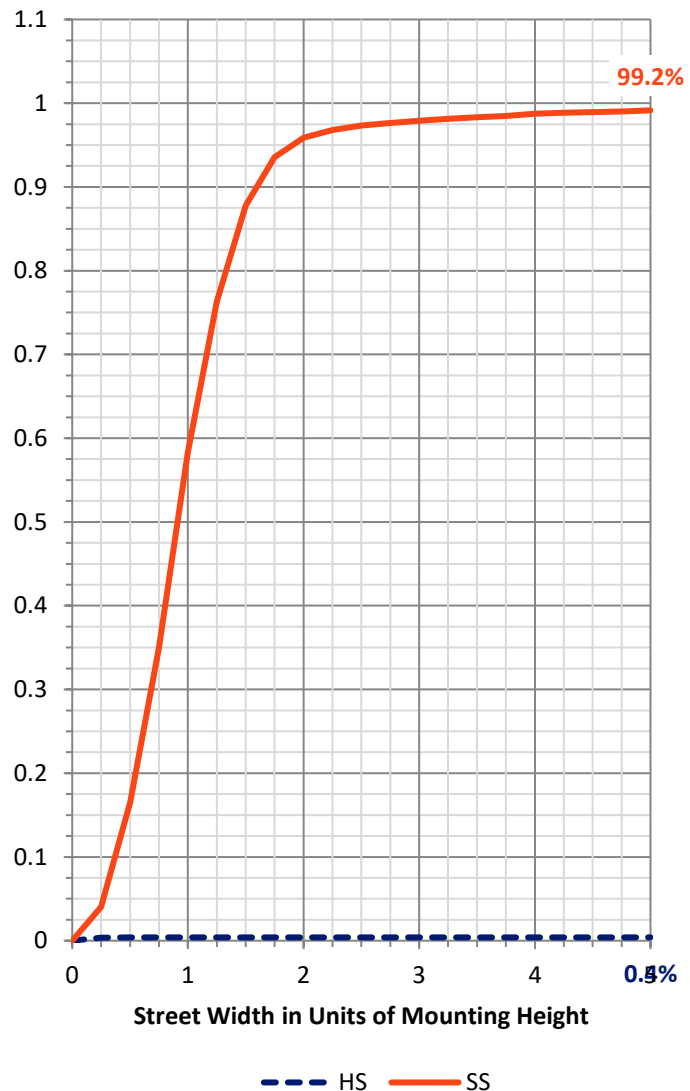
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	38.9	0.0	38.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	9568.7	0.0	9568.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	9607.6	0.0	9607.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	0.1
10°-20°	94.4	1.0
20°-30°	313.6	3.3
30°-40°	836.7	8.7
40°-50°	2126.7	22.1
50°-60°	3100.2	32.3
60°-70°	2394.6	24.9
70°-80°	657.6	6.8
80°-90°	74.2	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°	9607.6	100.0
0°-180°	9607.6	100.0



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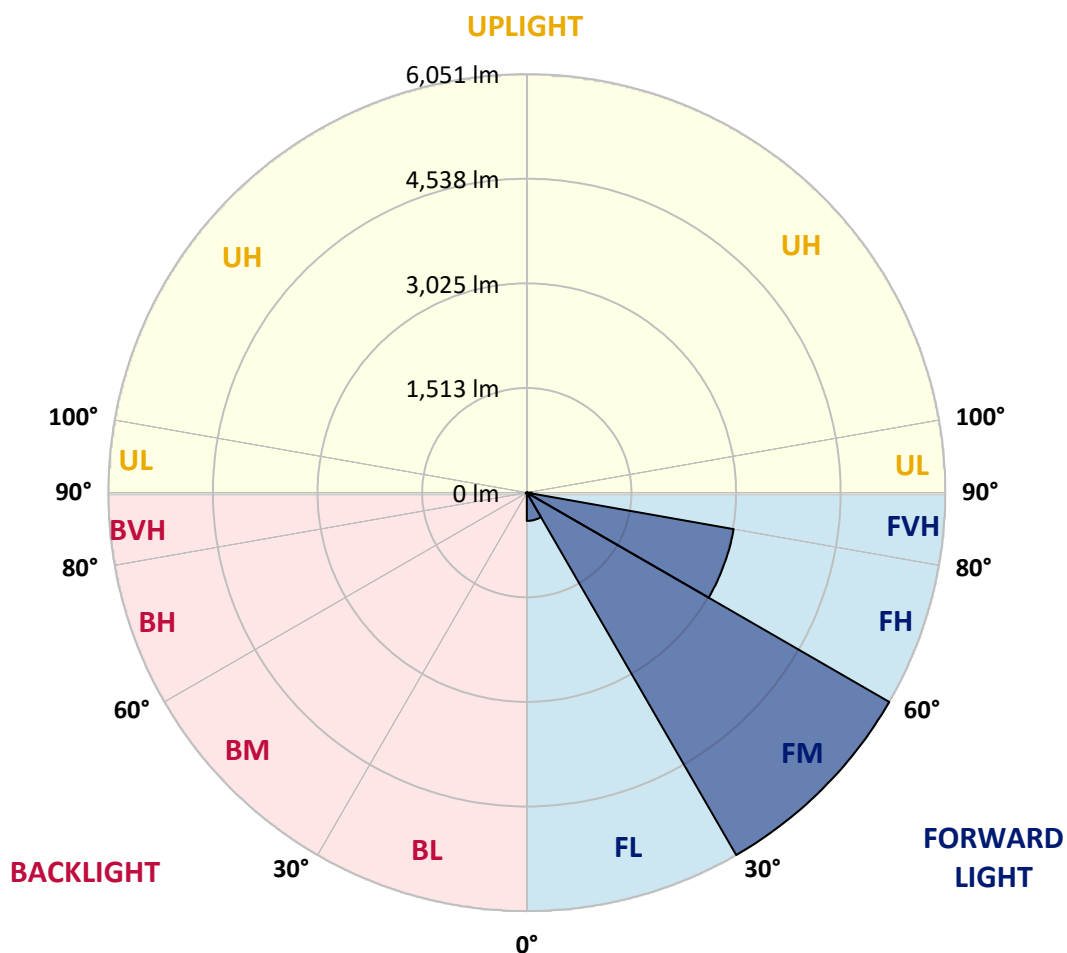
CATALOG NUMBER: NAV-SA2D-830-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	408.8	4.3			
FM	(30°-60°)	6050.7	63.0			
FH	(60°-80°)	3036.7	31.6			G2/5000
FVH	(80°-90°)	72.5	0.8			G1/100
BL	(0°-30°)	8.7	0.1	B0/110		
BM	(30°-60°)	12.9	0.1	B0/220		
BH	(60°-80°)	15.5	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-G2

Type II Short





REPORT NUMBER: P1067348

CATALOG NUMBER: NAV-SA2D-830-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
2.5°	84.6	84.6	84.6	82.0	79.3	79.3	76.7	74.0	74.0	68.8	66.1
5°	129.6	129.6	124.3	119.0	111.1	100.5	89.9	82.0	82.0	74.0	68.8
7.5°	253.9	261.8	238.0	208.9	169.3	142.8	113.7	95.2	92.6	79.3	68.8
10°	550.1	544.8	507.8	436.4	343.8	248.6	158.7	116.4	111.1	84.6	68.8
12.5°	827.8	835.7	796.0	716.7	605.6	441.7	272.4	150.7	145.5	92.6	68.8
15°	1065.8	1065.8	1039.3	999.7	878.0	706.1	439.0	224.8	206.3	100.5	66.1
17.5°	1229.8	1227.1	1216.5	1206.0	1134.5	957.4	671.7	359.7	317.4	119.0	66.1
20°	1414.9	1406.9	1420.2	1399.0	1343.5	1203.3	917.7	534.2	494.5	150.7	66.1
22.5°	1607.9	1615.9	1626.5	1605.3	1544.5	1422.8	1176.9	759.0	716.7	208.9	68.8
25°	1853.9	1848.6	1872.4	1853.9	1777.2	1634.4	1420.2	1005.0	944.1	290.9	74.0
27.5°	2155.4	2144.8	2160.7	2113.1	2012.6	1867.1	1637.0	1256.2	1184.8	417.9	84.6
30°	2554.7	2562.7	2491.2	2435.7	2292.9	2099.8	1877.7	1526.0	1451.9	568.6	95.2
32.5°	3184.1	3128.6	3017.5	2792.7	2605.0	2359.0	2118.4	1761.3	1695.2	761.7	111.1
35°	4165.3	4175.9	3932.6	3377.2	2969.9	2684.3	2382.8	2020.5	1972.9	981.2	132.2
37.5°	5360.7	5331.6	5117.4	4416.5	3504.1	3088.9	2684.3	2303.5	2234.7	1219.2	158.7
40°	6714.7	6593.1	6468.8	5992.7	4617.5	3596.7	3065.1	2631.4	2578.5	1494.2	201.0
42.5°	7799.0	7767.3	7788.5	7590.1	6474.1	4461.5	3570.3	3033.4	2969.9	1835.4	275.0
45°	8333.2	8288.3	8415.2	8563.3	8277.7	6302.2	4384.8	3546.5	3461.8	2237.4	388.8
47.5°	8190.4	8158.7	8431.1	8722.0	9102.8	8436.4	5715.1	4313.4	4167.9	2753.1	558.0
50°	7487.0	7489.6	7936.6	8478.7	9081.7	9518.0	7685.3	5363.3	5180.8	3438.0	822.5
52.5°	6802.0	6823.2	7296.6	8087.3	8767.0	9645.0	9414.9	6778.2	6482.0	4244.6	1134.5
55°	6098.5	6109.1	6527.0	7640.4	8618.9	9266.8	10303.5	8600.4	8285.6	5249.6	1438.7
57.5°	5421.5	5421.5	5577.5	6566.6	8457.5	9232.4	10197.7	10266.5	10009.9	6397.4	1663.5
60°	4072.7	4099.2	4487.9	5180.8	7293.9	9282.7	9928.0	10798.0	10798.0	7989.4	1835.4
62.5°	2057.5	2097.2	2581.2	3255.5	5003.7	8589.8	9970.3	10530.9	10573.3	9393.7	2226.8
65°	965.3	1010.3	1269.4	1745.5	2692.2	6045.6	9531.3	10303.5	10290.3	9126.6	3051.9
67.5°	692.9	706.1	793.4	1018.2	1449.3	2649.9	7275.4	9623.8	9629.1	7754.1	3509.4
70°	621.5	621.5	642.6	708.8	872.7	1184.8	3535.9	7793.7	8171.9	5987.5	3252.9
72.5°	613.6	608.3	603.0	605.6	589.8	595.0	1213.9	4400.7	4940.2	4189.1	2594.4
75°	597.7	597.7	592.4	573.9	470.7	383.5	417.9	1779.8	2057.5	2798.0	1925.3
77.5°	473.4	521.0	576.5	542.2	431.1	288.3	243.3	515.7	650.6	1716.4	1396.4
80°	219.5	222.1	219.5	230.1	275.0	206.3	179.8	251.2	253.9	952.1	864.8
82.5°	158.7	161.3	153.4	137.5	121.7	111.1	148.1	185.1	198.3	436.4	322.6
85°	47.6	45.0	52.9	71.4	84.6	97.9	124.3	156.0	164.0	161.3	47.6
87.5°	21.2	21.2	26.4	37.0	50.2	74.0	108.4	142.8	145.5	166.6	13.2
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: P1067348

CATALOG NUMBER: NAV-SA2D-830-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
2.5°	66.1	63.5	60.8	58.2	55.5	52.9	50.2	50.2	52.9	52.9	52.9
5°	63.5	60.8	55.5	50.2	47.6	45.0	42.3	42.3	45.0	45.0	45.0
7.5°	63.5	58.2	52.9	47.6	42.3	39.7	37.0	37.0	37.0	39.7	39.7
10°	63.5	58.2	50.2	42.3	37.0	34.4	31.7	29.1	31.7	31.7	31.7
12.5°	60.8	55.5	47.6	39.7	31.7	26.4	23.8	23.8	23.8	23.8	23.8
15°	58.2	52.9	45.0	34.4	26.4	21.2	15.9	15.9	15.9	18.5	18.5
17.5°	55.5	50.2	39.7	26.4	18.5	13.2	10.6	10.6	10.6	13.2	13.2
20°	55.5	47.6	34.4	21.2	13.2	7.9	5.3	5.3	5.3	7.9	10.6
22.5°	55.5	47.6	31.7	15.9	7.9	5.3	2.6	2.6	2.6	2.6	2.6
25°	55.5	45.0	29.1	13.2	5.3	2.6	0.0	0.0	2.6	5.3	7.9
27.5°	55.5	42.3	23.8	7.9	5.3	2.6	0.0	2.6	5.3	5.3	5.3
30°	55.5	42.3	21.2	7.9	2.6	0.0	0.0	2.6	5.3	5.3	7.9
32.5°	58.2	39.7	18.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	60.8	37.0	15.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	66.1	37.0	10.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	74.0	39.7	10.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	92.6	42.3	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	129.6	52.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	190.4	79.3	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	277.7	108.4	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	341.2	108.4	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	338.5	68.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	259.2	47.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	219.5	34.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	264.5	26.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	470.7	23.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	756.4	23.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	846.3	23.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	661.2	21.2	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	362.3	18.5	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	182.5	13.2	5.3	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	76.7	10.6	5.3	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
82.5°	26.4	10.6	5.3	5.3	2.6	2.6	0.0	0.0	0.0	0.0	0.0
85°	13.2	7.9	7.9	5.3	5.3	2.6	2.6	0.0	0.0	0.0	0.0
87.5°	7.9	7.9	7.9	5.3	5.3	2.6	2.6	0.0	0.0	0.0	2.6
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

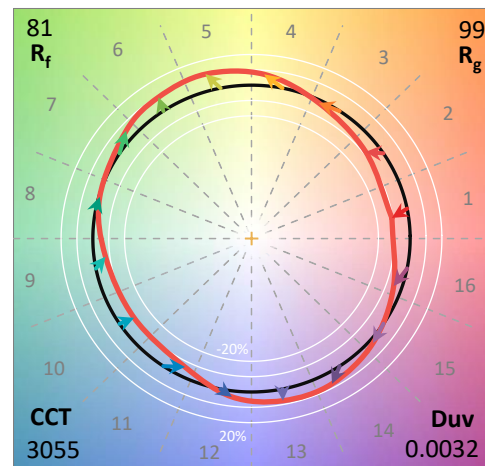
Test Information

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

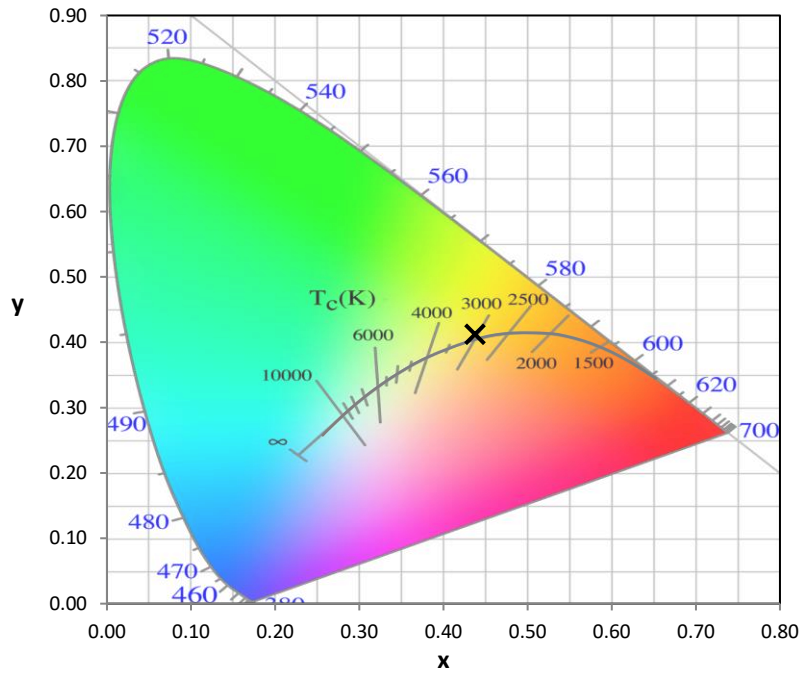
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

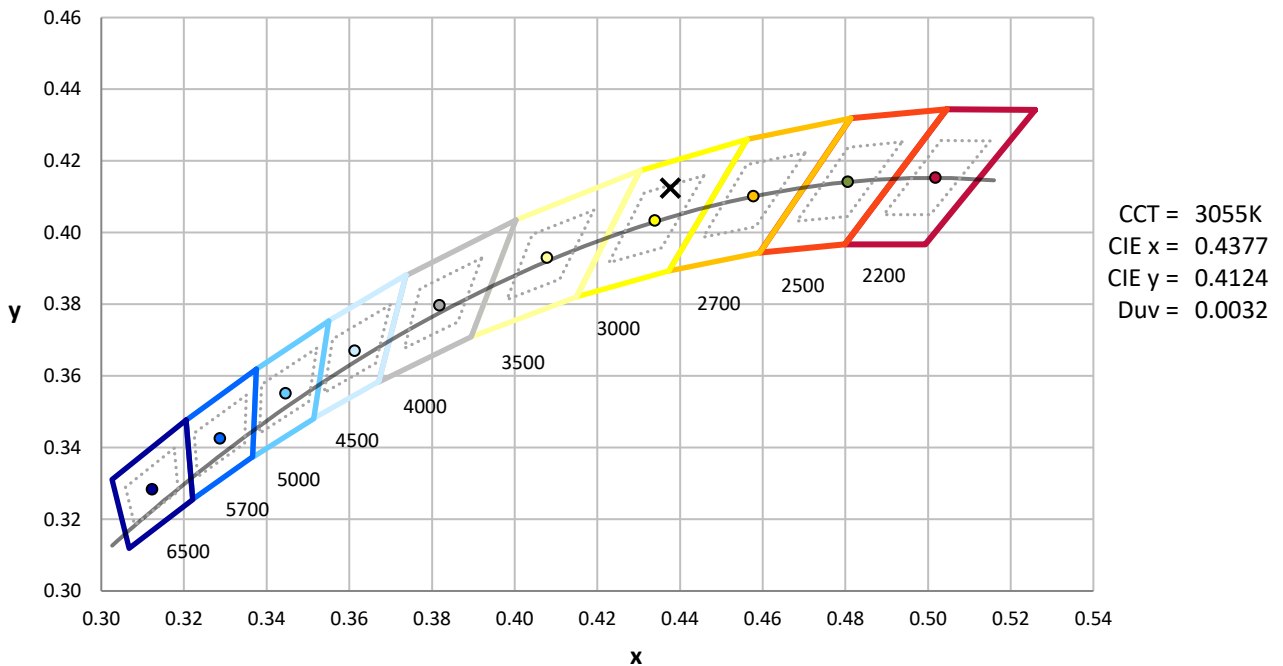
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 $\text{W}^{\wedge}/\text{nm}$	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

Scotopic Flux vs. Wavelength



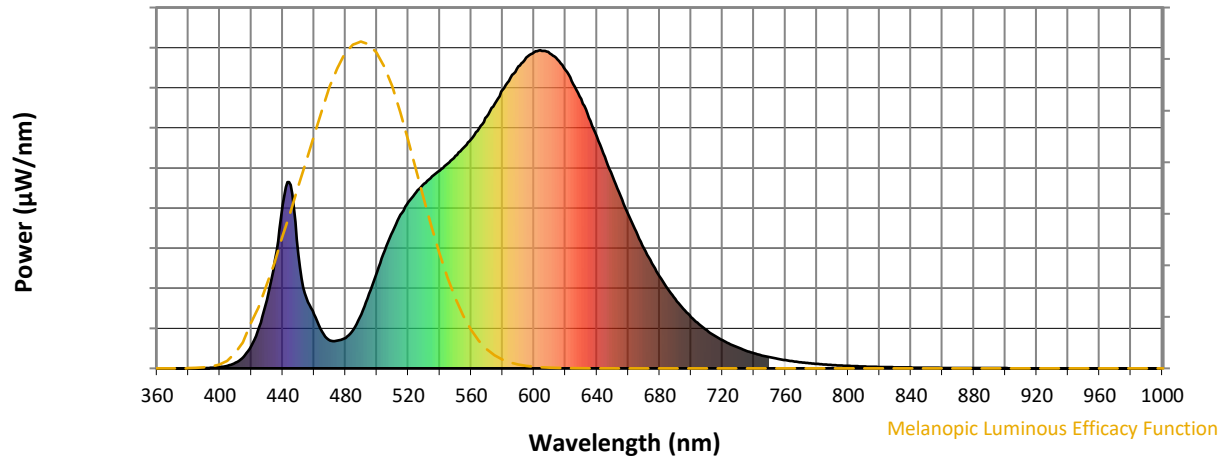
Scotopic Lumens: NR

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

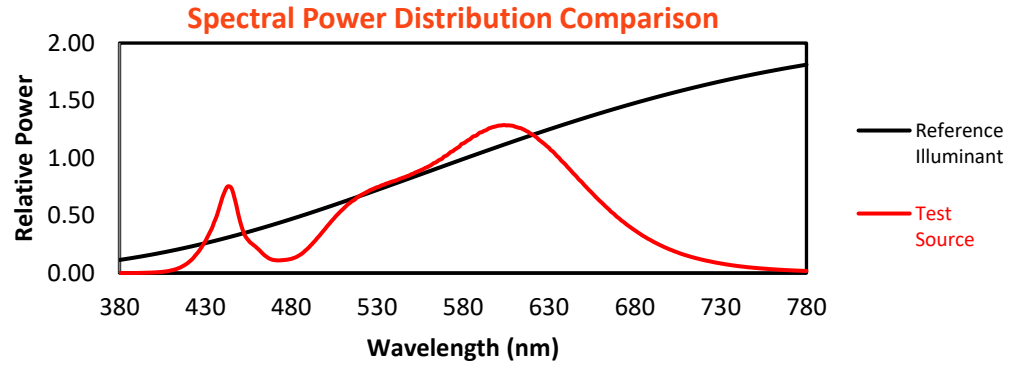
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938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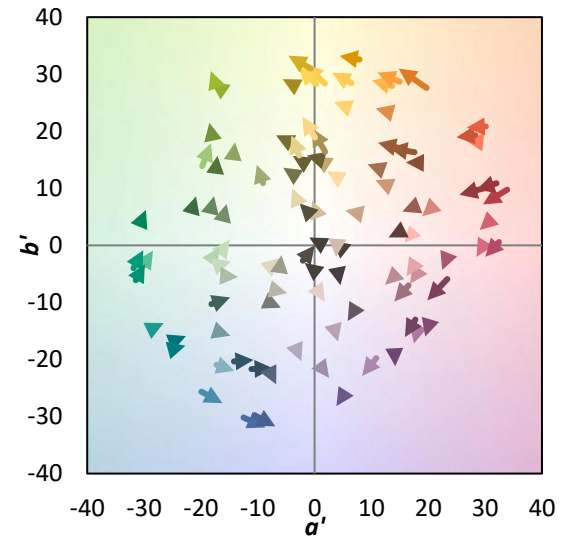
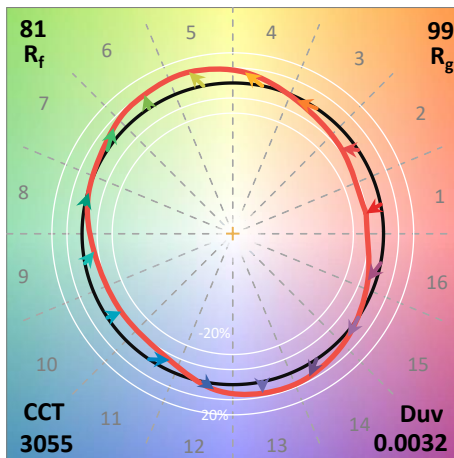
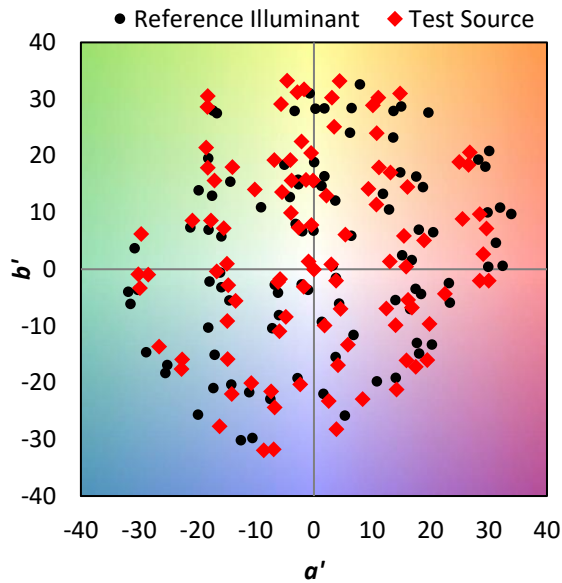
TM-30-18

Summary

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

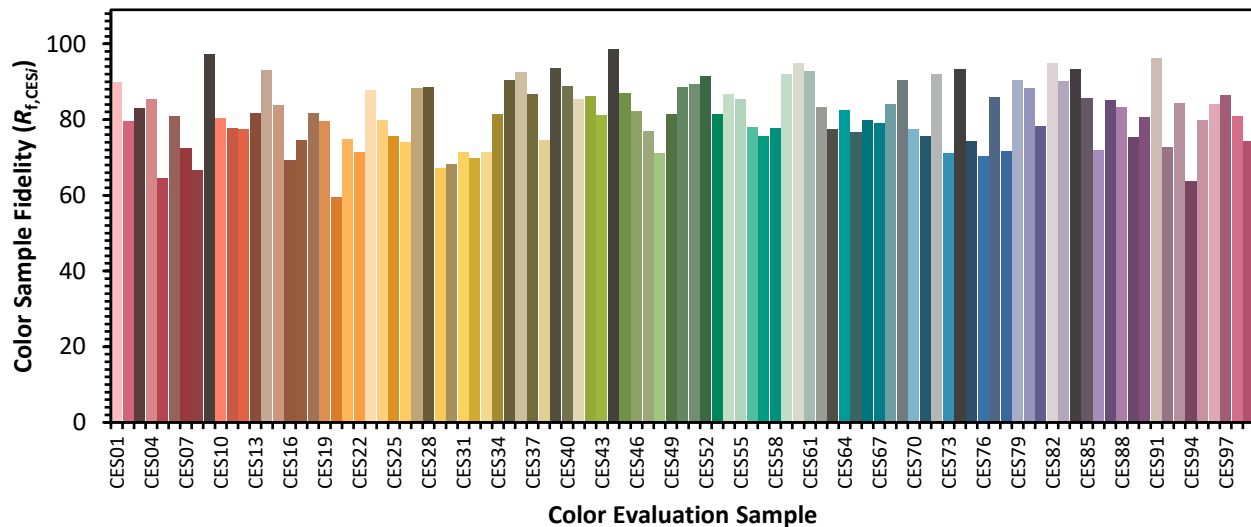


Color Vector Graphics

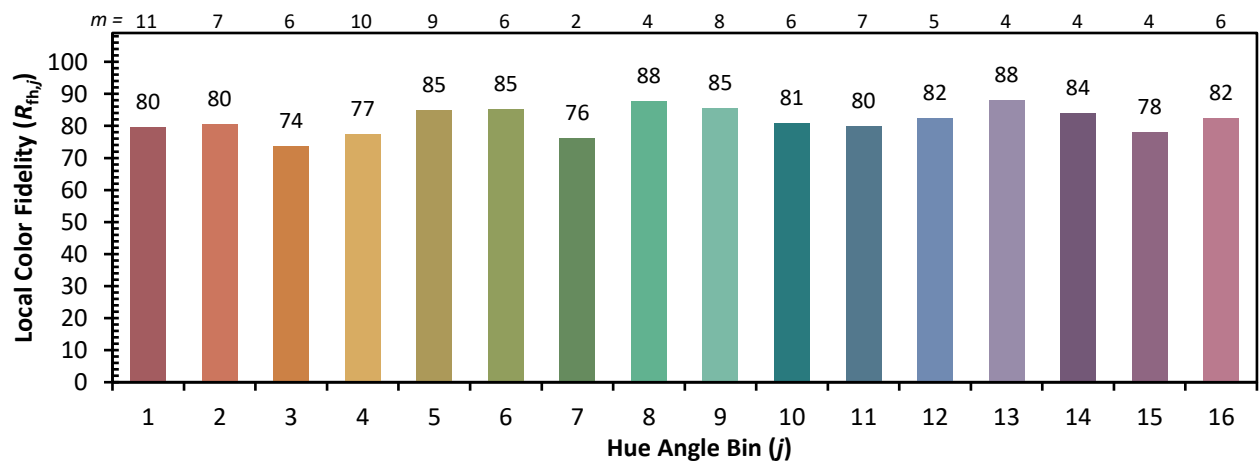
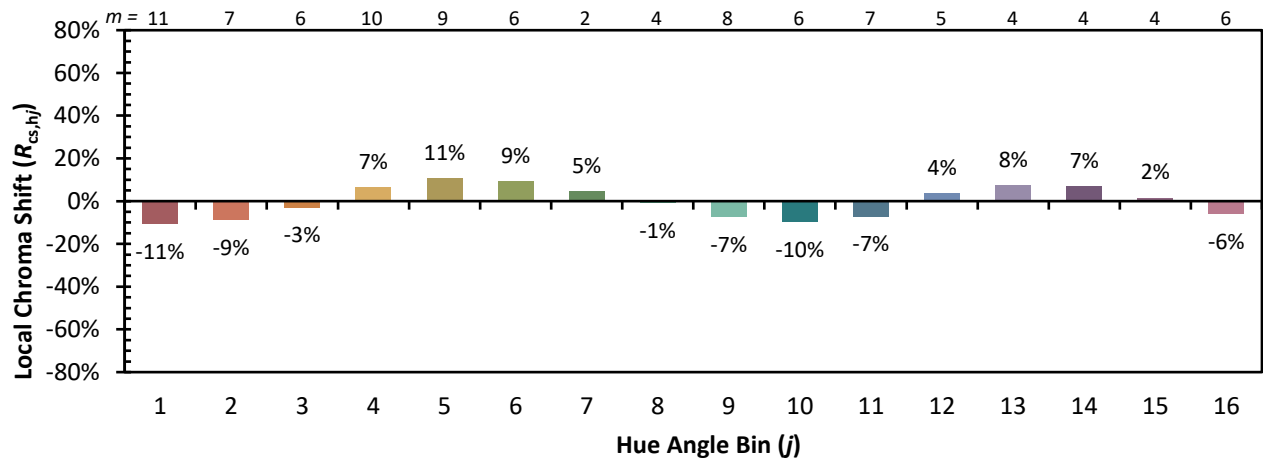


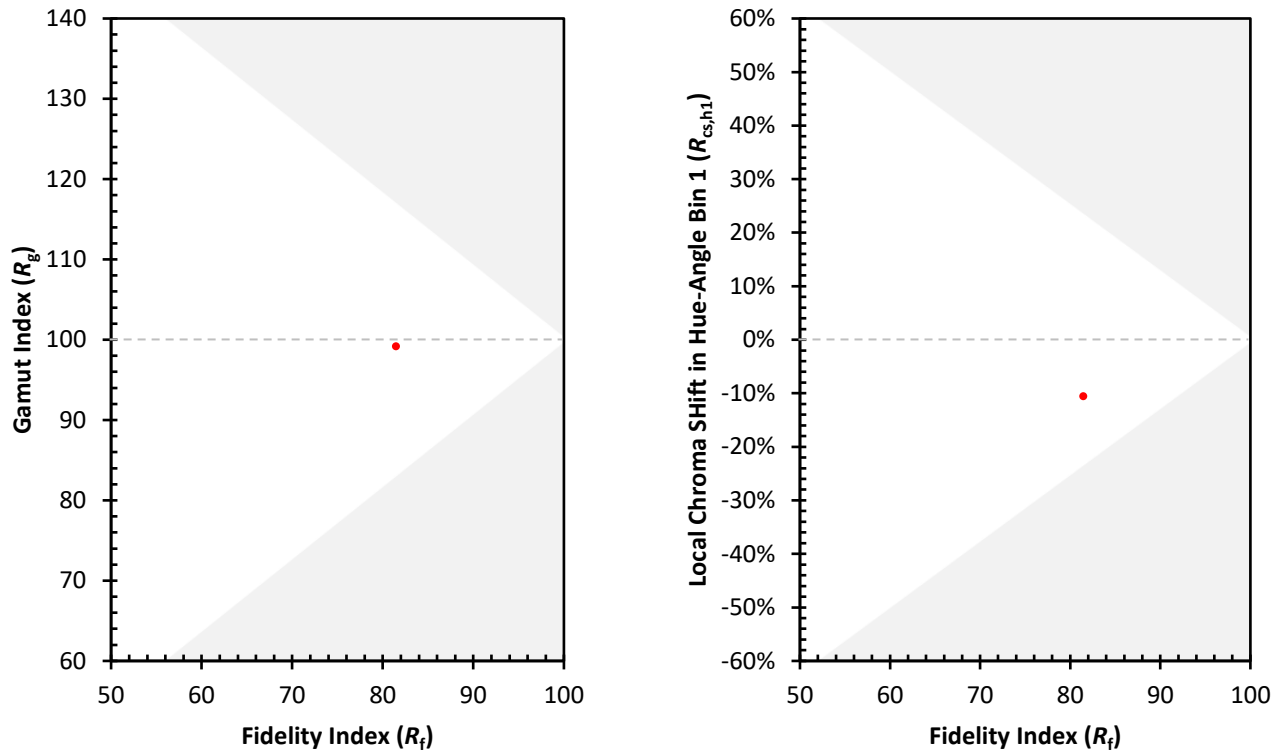
Individual Sample Fidelity Index ($R_{f,i}$)

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)