

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: P1067350

Luminaire Tested: **NAV-SA3B-830-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067350
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3B-830-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 3xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (42) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10495.2 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 106.2
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

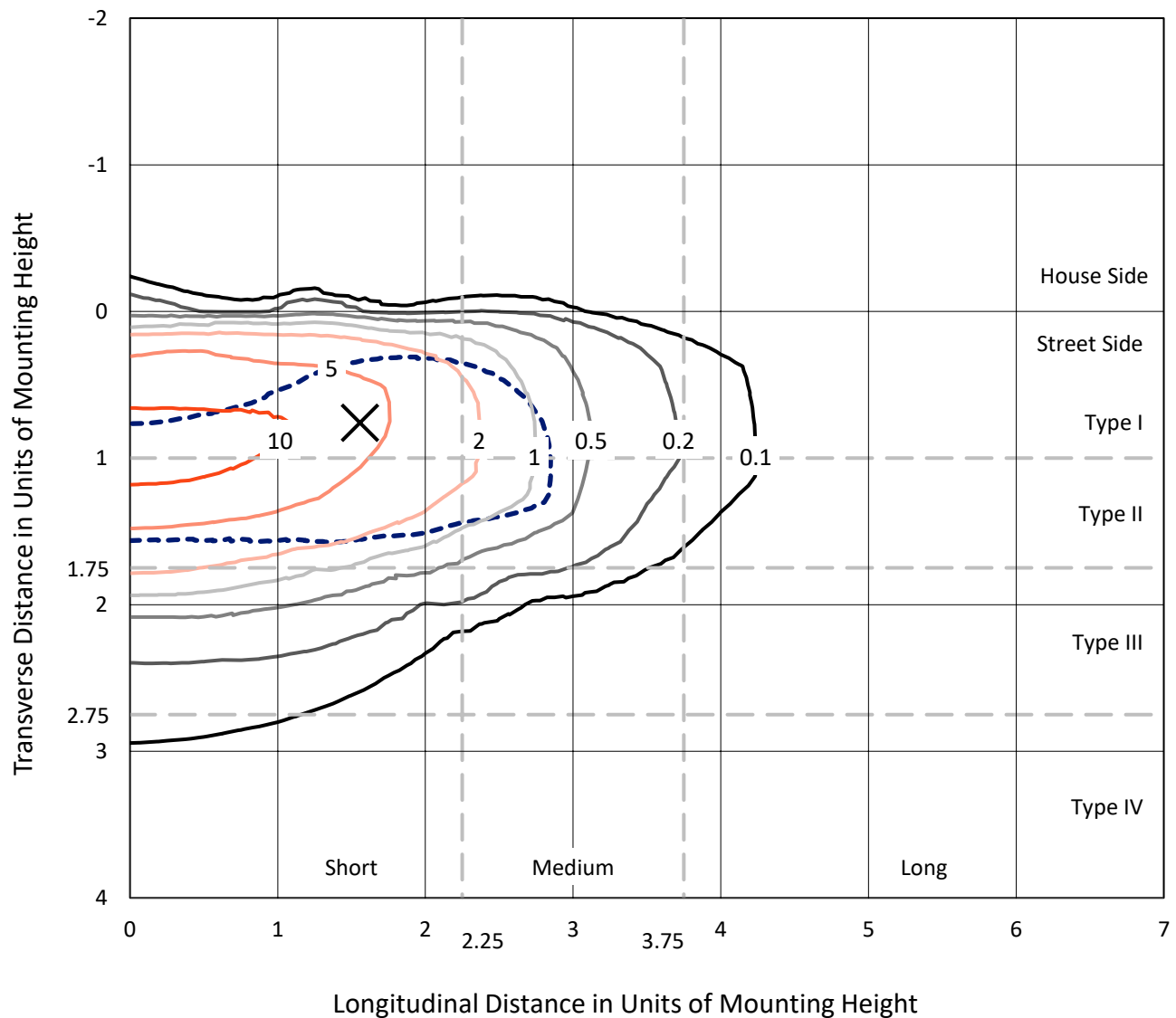


REPORT NUMBER: P1067350

CATALOG NUMBER: NAV-SA3B-830-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

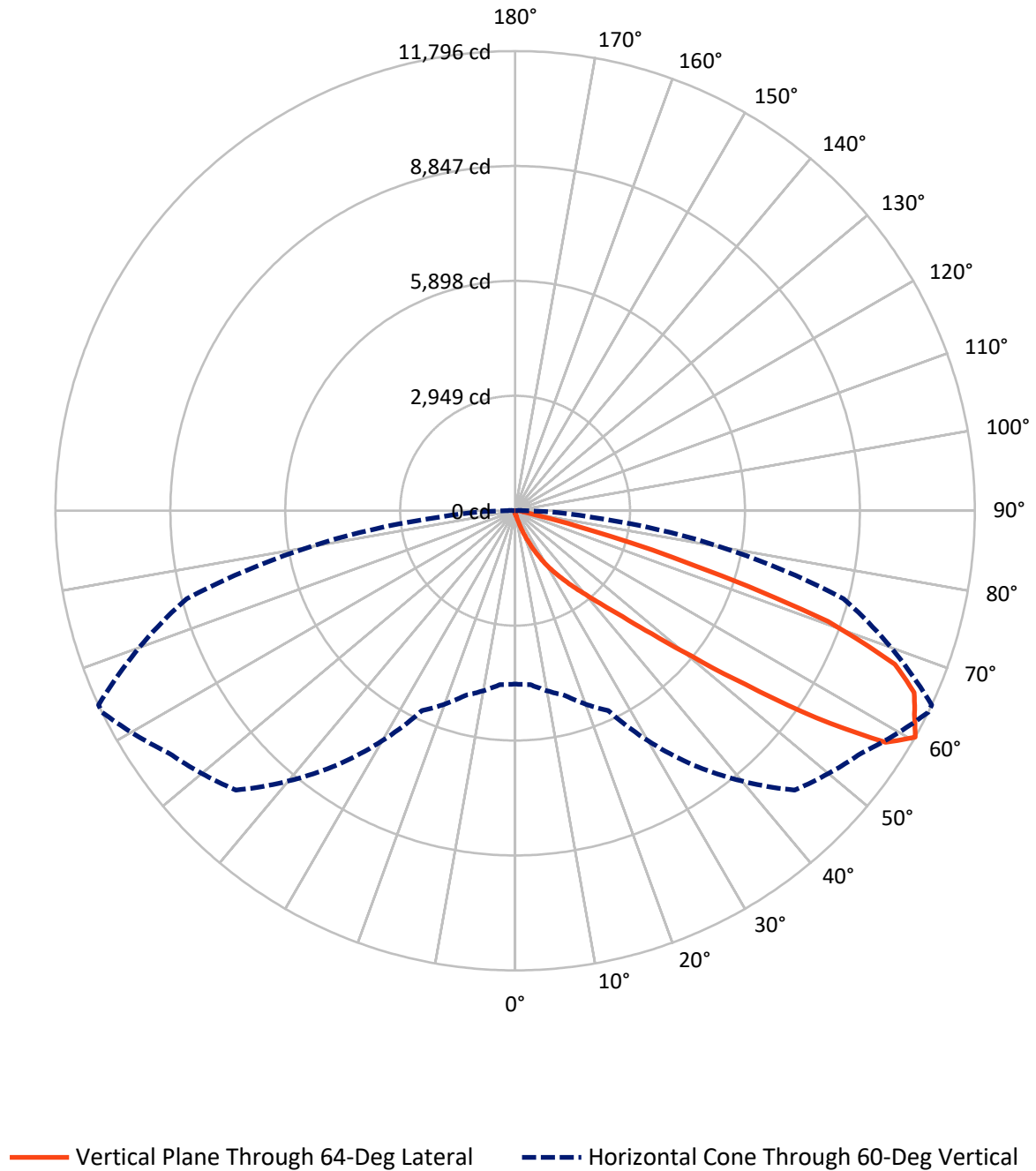


Based on 15 foot mounting height. Maximum calculated value = 15.1 fc
 Type II - Short - N/A

REPORT NUMBER: P1067350

CATALOG NUMBER: NAV-SA3B-830-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067350

CATALOG NUMBER: NAV-SA3B-830-U-T2BC

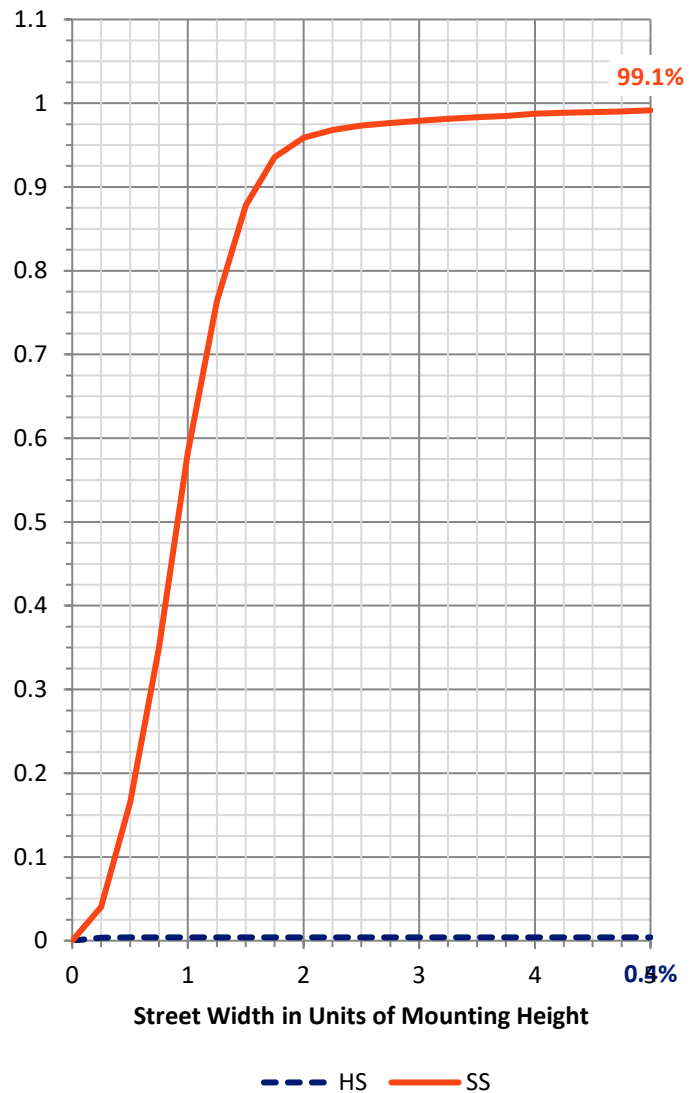
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	42.6	0.0	42.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10452.7	0.0	10452.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	10495.2	0.0	10495.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	0.1
10°-20°	103.1	1.0
20°-30°	342.5	3.3
30°-40°	914.0	8.7
40°-50°	2323.2	22.1
50°-60°	3386.7	32.3
60°-70°	2615.9	24.9
70°-80°	718.4	6.8
80°-90°	81.1	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°	10495.2	100.0
0°-180°	10495.2	100.0



REPORT NUMBER: P1067350

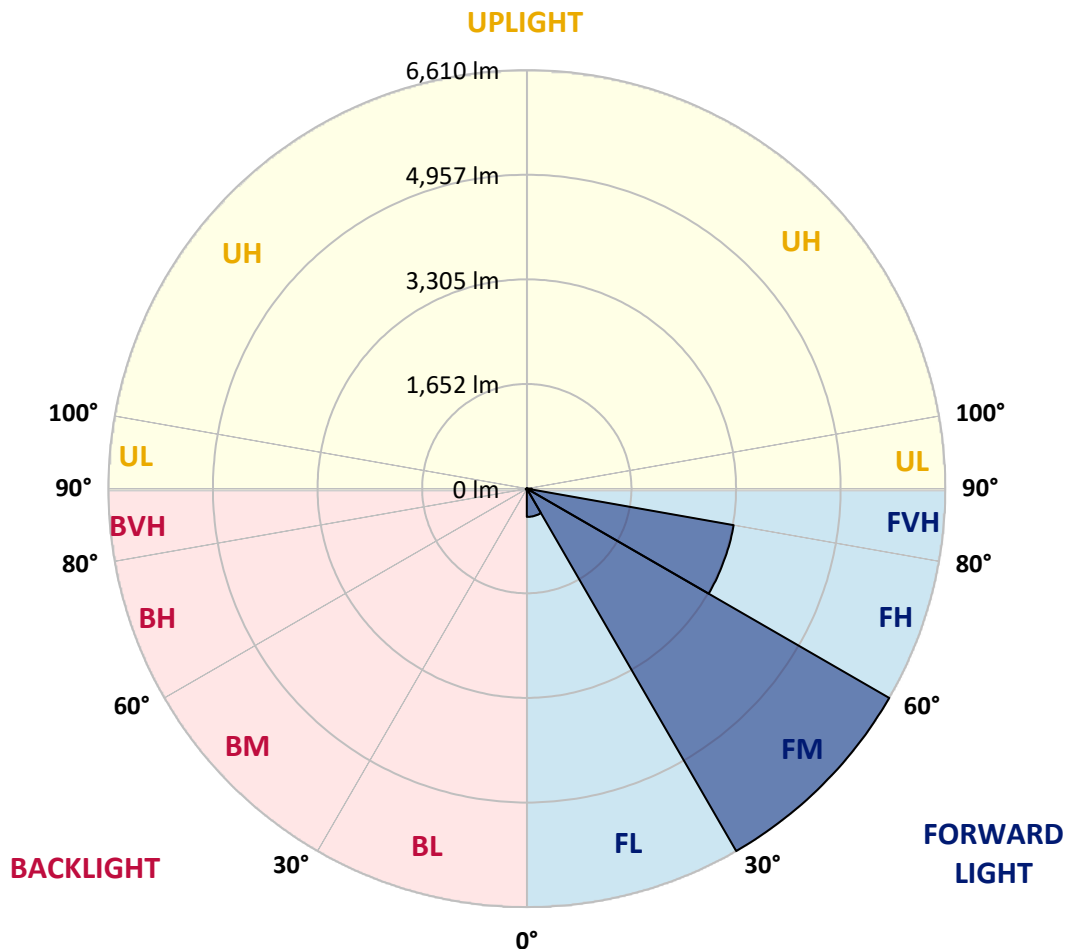
CATALOG NUMBER: NAV-SA3B-830-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	446.6	4.3			
FM	(30°-60°)	6609.7	63.0			
FH	(60°-80°)	3317.2	31.6			G2/5000
FVH	(80°-90°)	79.2	0.8			G1/100
BL	(0°-30°)	9.6	0.1	B0/110		
BM	(30°-60°)	14.1	0.1	B0/220		
BH	(60°-80°)	17.0	0.2	B0/110		G0/110
BVH	(80°-90°)	1.9	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: P1067350

CATALOG NUMBER: NAV-SA3B-830-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
2.5°	92.4	92.4	92.4	89.6	86.7	86.7	83.8	80.9	80.9	75.1	72.2
5°	141.6	141.6	135.8	130.0	121.3	109.8	98.2	89.6	89.6	80.9	75.1
7.5°	277.3	286.0	260.0	228.2	184.9	156.0	124.2	104.0	101.1	86.7	75.1
10°	600.9	595.1	554.7	476.7	375.6	271.6	173.3	127.1	121.3	92.4	75.1
12.5°	904.2	912.9	869.6	782.9	661.6	482.5	297.6	164.7	158.9	101.1	75.1
15°	1164.3	1164.3	1135.4	1092.0	959.1	771.4	479.6	245.6	225.3	109.8	72.2
17.5°	1343.4	1340.5	1328.9	1317.4	1239.4	1045.8	733.8	392.9	346.7	130.0	72.2
20°	1545.6	1536.9	1551.4	1528.3	1467.6	1314.5	1002.5	583.6	540.2	164.7	72.2
22.5°	1756.5	1765.2	1776.7	1753.6	1687.2	1554.3	1285.6	829.1	782.9	228.2	75.1
25°	2025.2	2019.4	2045.4	2025.2	1941.4	1785.4	1551.4	1097.8	1031.4	317.8	80.9
27.5°	2354.5	2342.9	2360.3	2308.3	2198.5	2039.6	1788.3	1372.3	1294.3	456.5	92.4
30°	2790.7	2799.4	2721.4	2660.7	2504.7	2293.8	2051.2	1666.9	1586.0	621.1	104.0
32.5°	3478.3	3417.6	3296.3	3050.7	2845.6	2577.0	2314.1	1924.0	1851.8	832.0	121.3
35°	4550.1	4561.7	4295.9	3689.2	3244.3	2932.3	2603.0	2207.2	2155.2	1071.8	144.4
37.5°	5855.9	5824.1	5590.1	4824.6	3827.9	3374.3	2932.3	2516.3	2441.2	1331.8	173.3
40°	7335.1	7202.2	7066.4	6546.4	5044.1	3929.0	3348.3	2874.5	2816.7	1632.3	219.6
42.5°	8519.5	8484.9	8508.0	8291.3	7072.2	4873.7	3900.1	3313.6	3244.3	2004.9	300.5
45°	9103.1	9054.0	9192.7	9354.5	9042.4	6884.4	4789.9	3874.1	3781.6	2444.1	424.7
47.5°	8947.1	8912.4	9210.0	9527.8	9943.8	9215.8	6243.0	4711.9	4553.0	3007.4	609.6
50°	8178.6	8181.5	8669.8	9262.0	9920.7	10397.4	8395.3	5858.8	5659.5	3755.6	898.5
52.5°	7430.4	7453.5	7970.6	8834.4	9576.9	10536.0	10284.7	7404.4	7080.8	4636.8	1239.4
55°	6661.9	6673.5	7130.0	8346.2	9415.1	10122.9	11255.4	9394.9	9051.1	5734.6	1571.6
57.5°	5922.4	5922.4	6092.8	7173.3	9238.9	10085.4	11139.8	11214.9	10934.7	6988.4	1817.2
60°	4449.0	4477.9	4902.6	5659.5	7967.8	10140.2	10845.2	11795.6	11795.6	8727.5	2004.9
62.5°	2247.6	2290.9	2819.6	3556.3	5465.9	9383.3	10891.4	11503.8	11550.1	10261.6	2432.5
65°	1054.5	1103.6	1386.7	1906.7	2941.0	6604.2	10411.8	11255.4	11240.9	9969.8	3333.9
67.5°	756.9	771.4	866.7	1112.2	1583.1	2894.7	7947.5	10512.9	10518.7	8470.4	3833.6
70°	678.9	678.9	702.0	774.2	953.4	1294.3	3862.5	8513.8	8926.9	6540.6	3553.4
72.5°	670.2	664.5	658.7	661.6	644.2	650.0	1326.0	4807.2	5396.6	4576.1	2834.1
75°	652.9	652.9	647.1	626.9	514.2	418.9	456.5	1944.3	2247.6	3056.5	2103.2
77.5°	517.1	569.1	629.8	592.2	470.9	314.9	265.8	563.3	710.7	1874.9	1525.4
80°	239.8	242.7	239.8	251.3	300.5	225.3	196.4	274.5	277.3	1040.0	944.7
82.5°	173.3	176.2	167.6	150.2	132.9	121.3	161.8	202.2	216.7	476.7	352.5
85°	52.0	49.1	57.8	78.0	92.4	106.9	135.8	170.4	179.1	176.2	52.0
87.5°	23.1	23.1	28.9	40.4	54.9	80.9	118.4	156.0	158.9	182.0	14.4
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: P1067350

CATALOG NUMBER: NAV-SA3B-830-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
2.5°	72.2	69.3	66.4	63.6	60.7	57.8	54.9	54.9	57.8	57.8	57.8
5°	69.3	66.4	60.7	54.9	52.0	49.1	46.2	46.2	49.1	49.1	49.1
7.5°	69.3	63.6	57.8	52.0	46.2	43.3	40.4	40.4	40.4	43.3	43.3
10°	69.3	63.6	54.9	46.2	40.4	37.6	34.7	31.8	34.7	34.7	34.7
12.5°	66.4	60.7	52.0	43.3	34.7	28.9	26.0	26.0	26.0	26.0	26.0
15°	63.6	57.8	49.1	37.6	28.9	23.1	17.3	17.3	17.3	20.2	20.2
17.5°	60.7	54.9	43.3	28.9	20.2	14.4	11.6	11.6	11.6	14.4	14.4
20°	60.7	52.0	37.6	23.1	14.4	8.7	5.8	5.8	5.8	8.7	11.6
22.5°	60.7	52.0	34.7	17.3	8.7	5.8	2.9	2.9	2.9	2.9	2.9
25°	60.7	49.1	31.8	14.4	5.8	2.9	0.0	0.0	2.9	5.8	8.7
27.5°	60.7	46.2	26.0	8.7	5.8	2.9	0.0	2.9	5.8	5.8	5.8
30°	60.7	46.2	23.1	8.7	2.9	0.0	0.0	2.9	5.8	5.8	8.7
32.5°	63.6	43.3	20.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	66.4	40.4	17.3	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	72.2	40.4	11.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	80.9	43.3	11.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	101.1	46.2	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	141.6	57.8	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	208.0	86.7	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	303.3	118.4	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	372.7	118.4	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	369.8	75.1	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	283.1	52.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	239.8	37.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	288.9	28.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	514.2	26.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	826.2	26.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	924.5	26.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	722.2	23.1	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	395.8	20.2	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	199.3	14.4	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	83.8	11.6	5.8	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
82.5°	28.9	11.6	5.8	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0
85°	14.4	8.7	8.7	5.8	5.8	2.9	2.9	0.0	0.0	0.0	0.0
87.5°	8.7	8.7	8.7	5.8	5.8	2.9	2.9	0.0	0.0	0.0	2.9
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

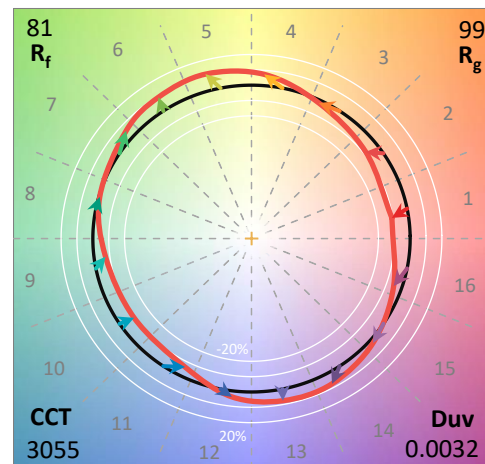
Test Information

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

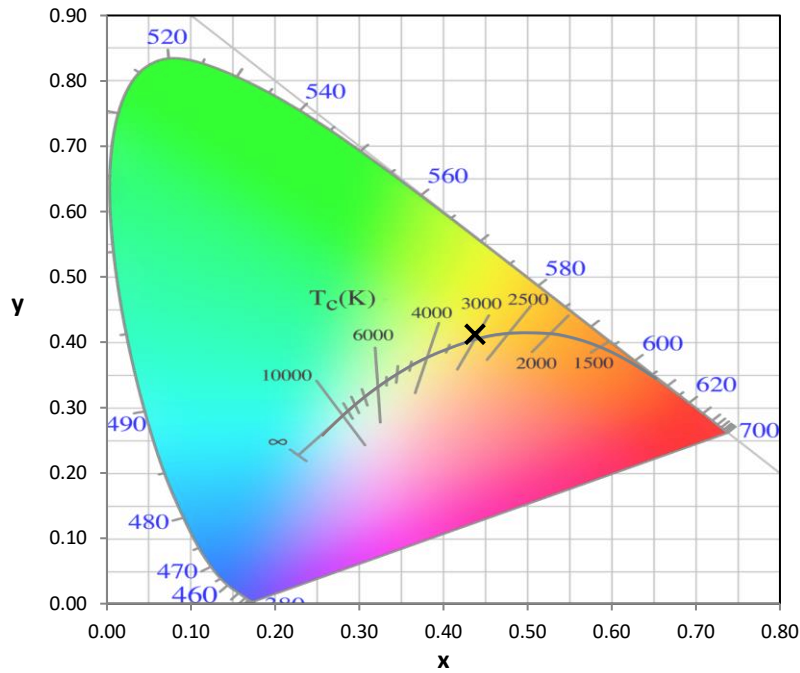
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

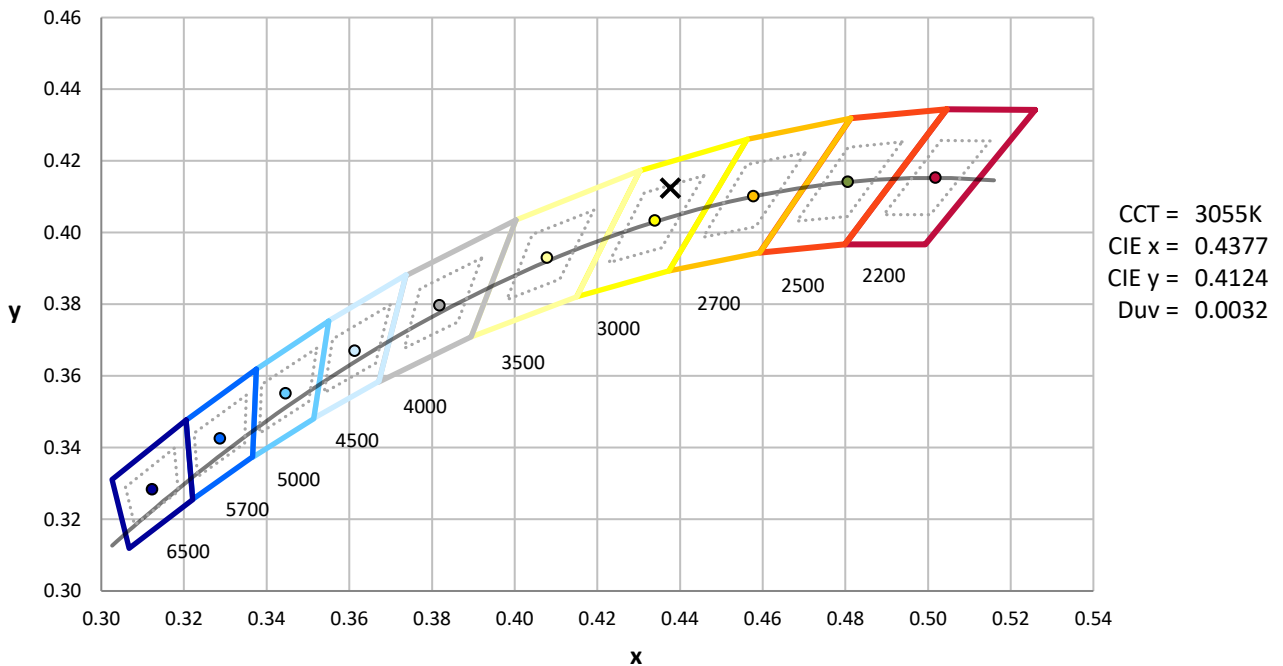
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



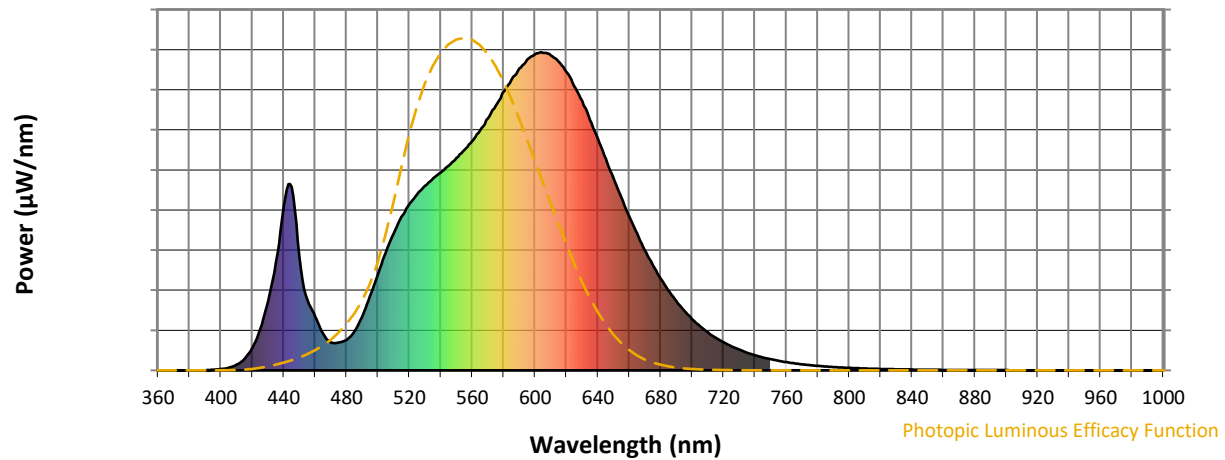
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

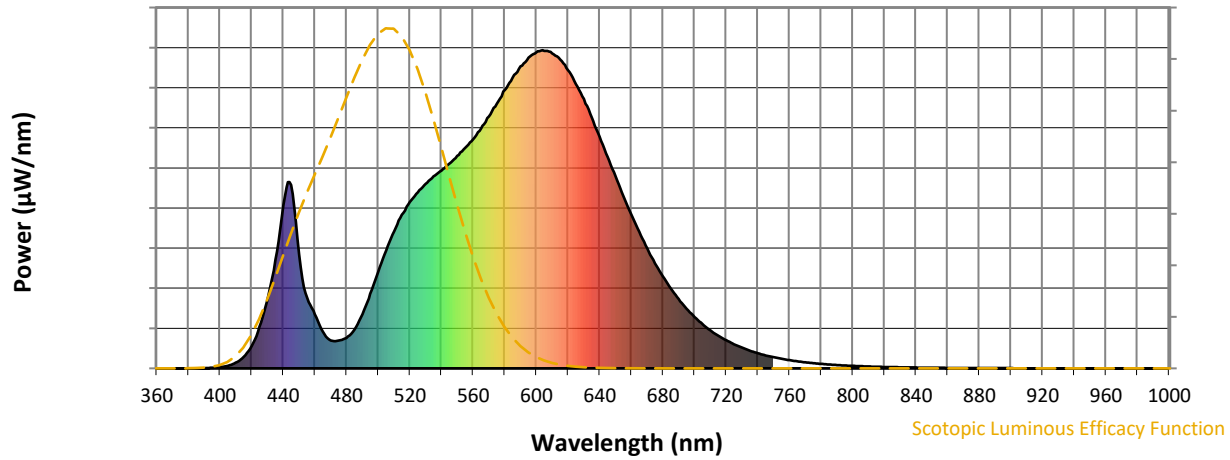


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



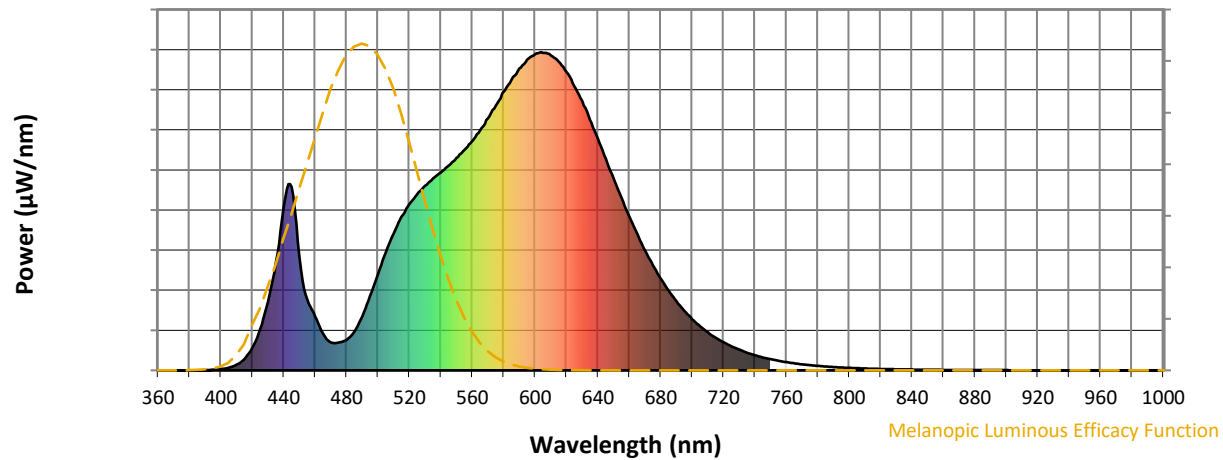
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.33

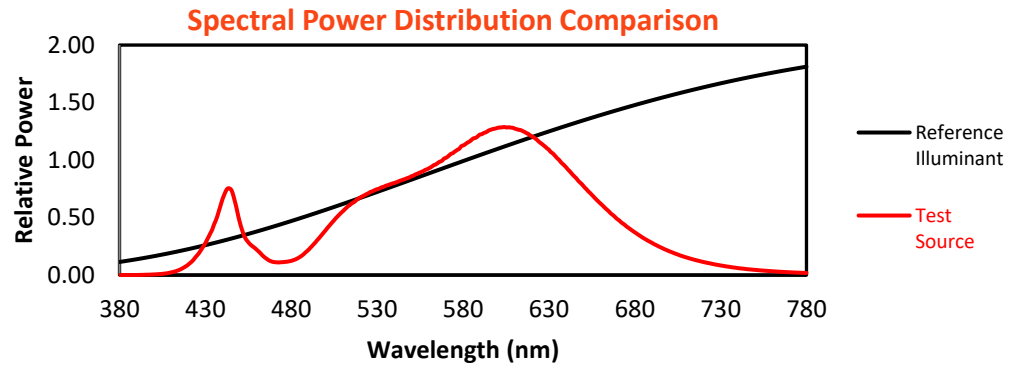
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	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			

REPORT NUMBER: SP1-2407-184-9

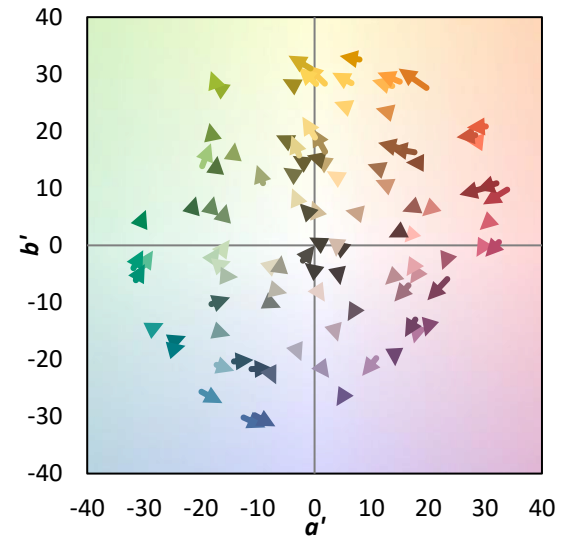
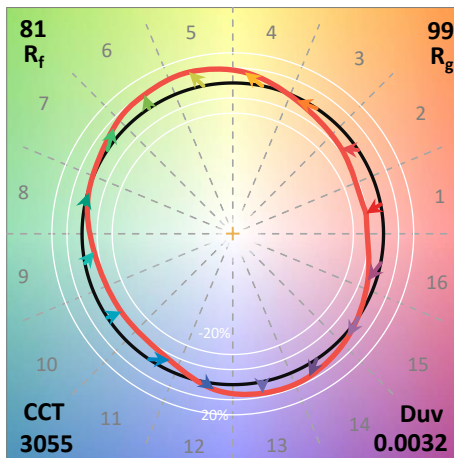
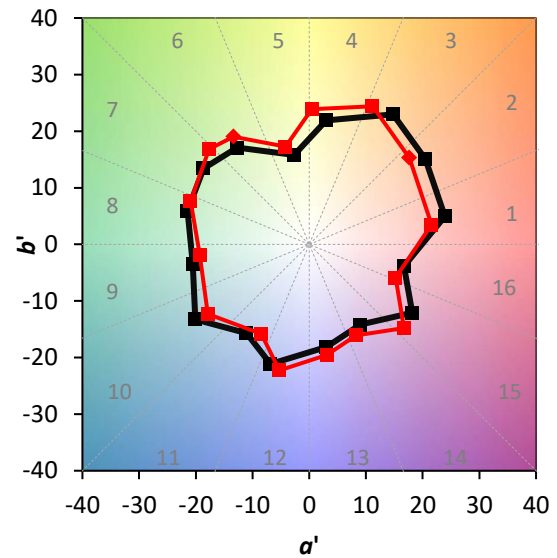
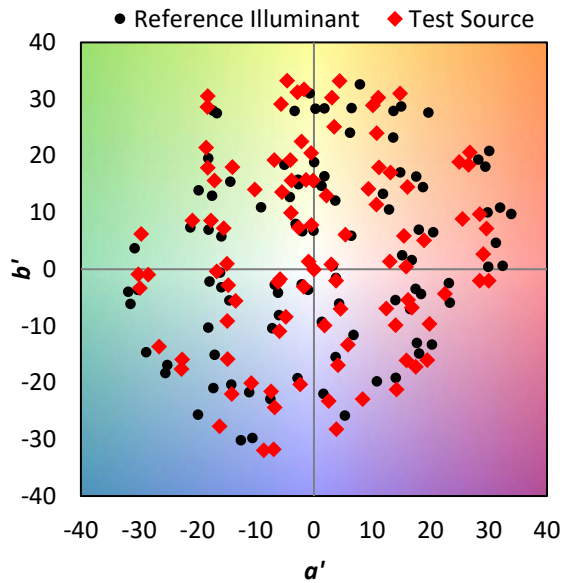
TM-30-18

Summary

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

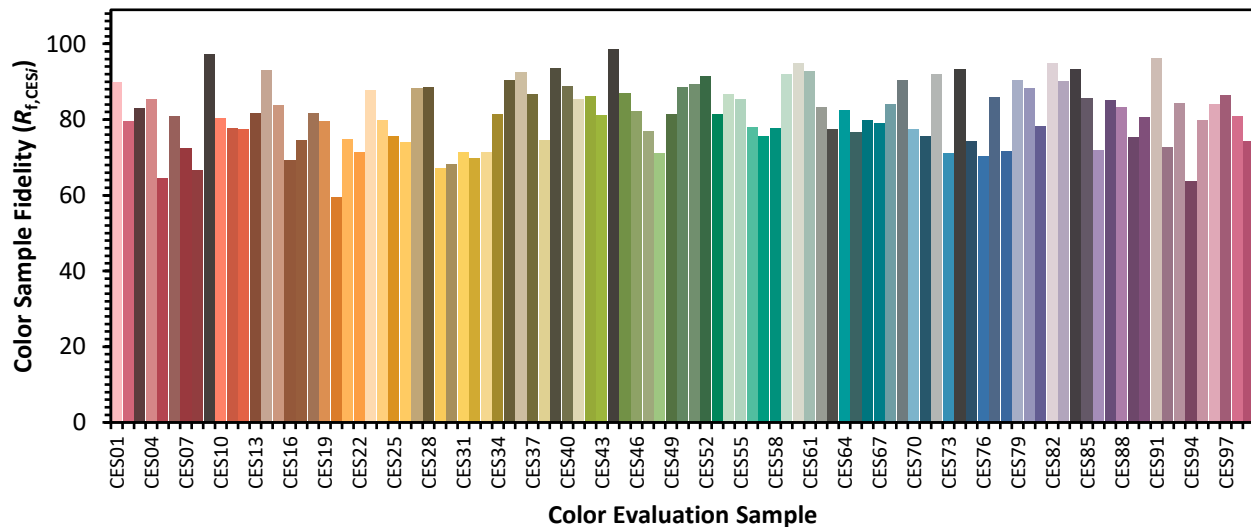


Color Vector Graphics

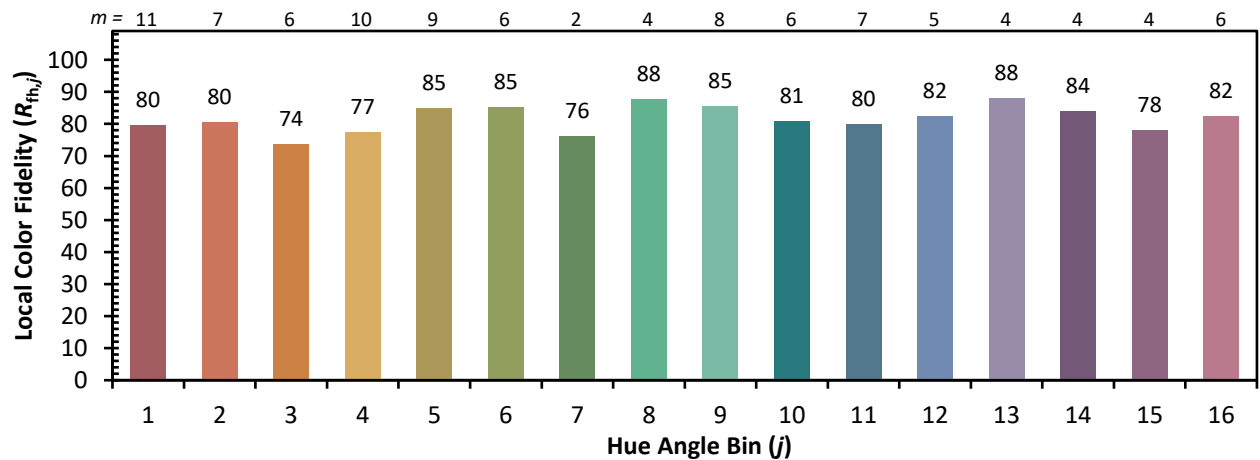
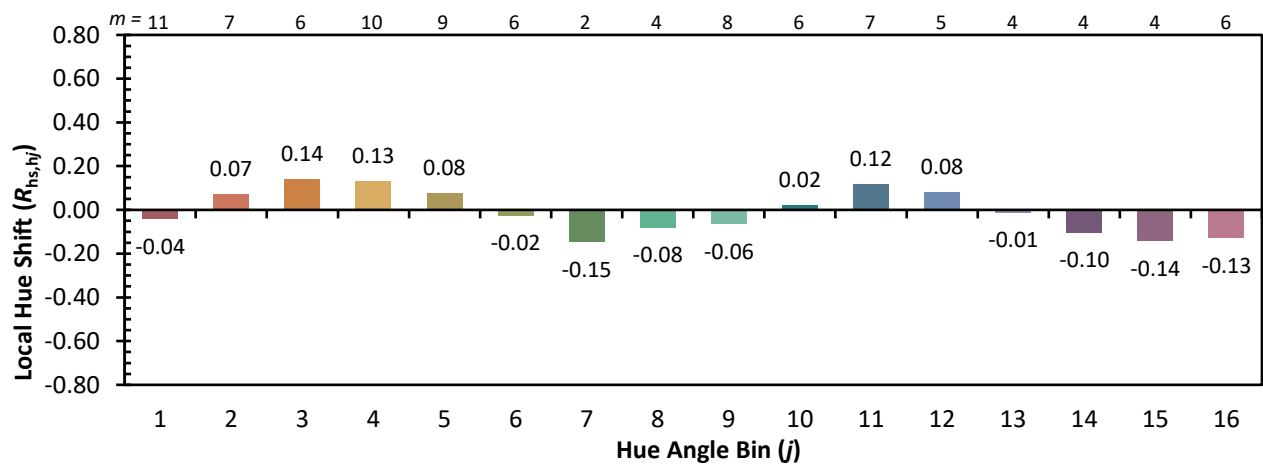
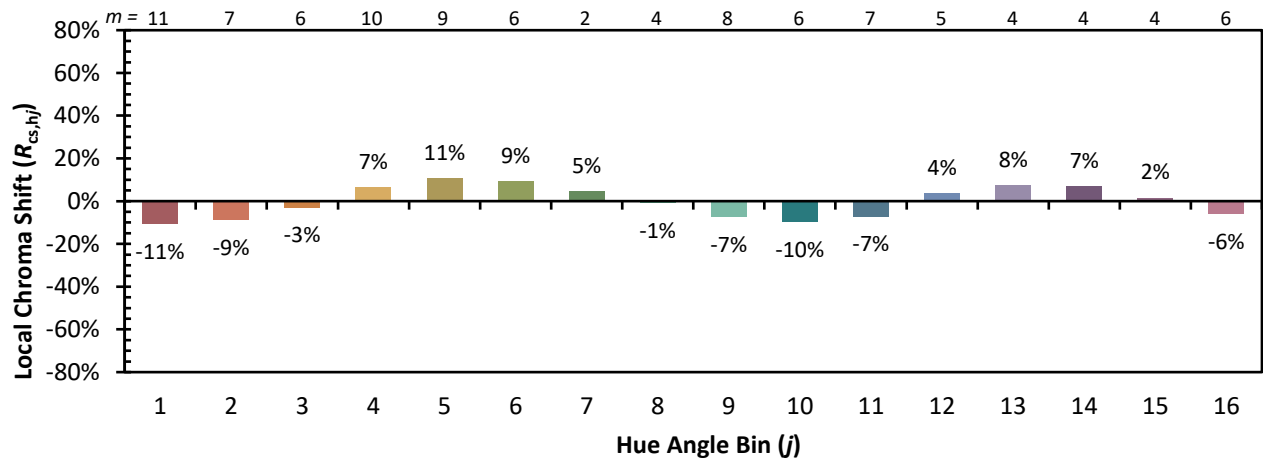


Individual Sample Fidelity Index ($R_{f,i}$)

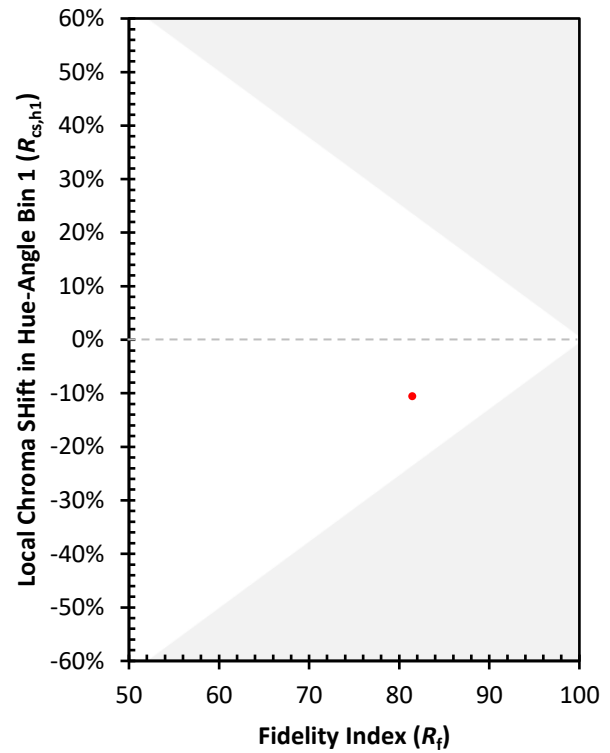
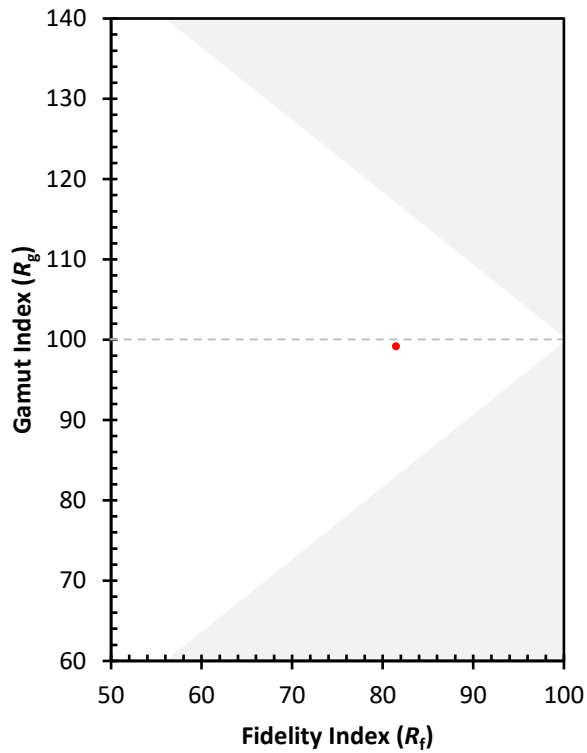
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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)