

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: P1067357

Luminaire Tested: **NAV-SA5A-830-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067357
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5A-830-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (70) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13883.7 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 137.4
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

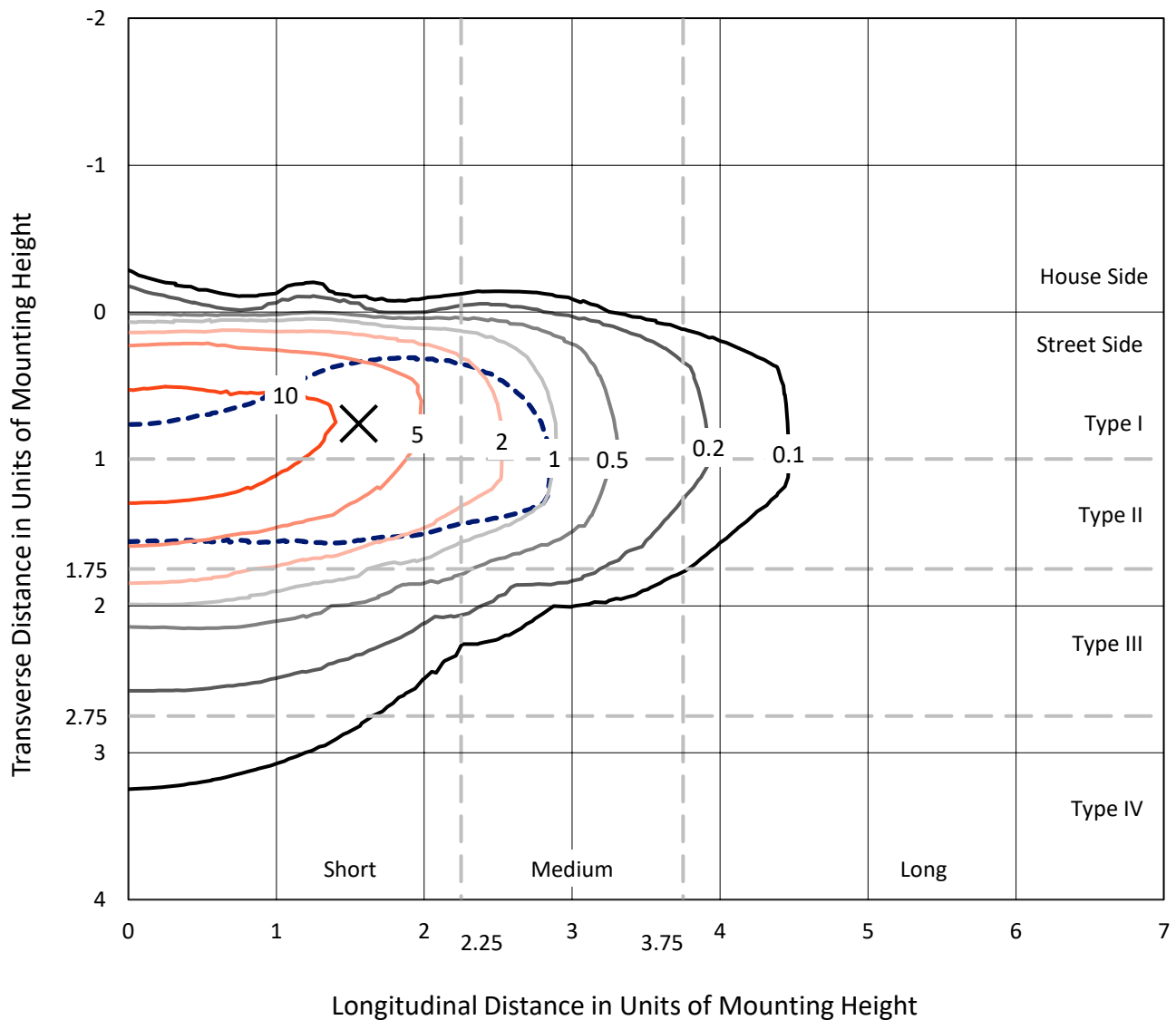


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

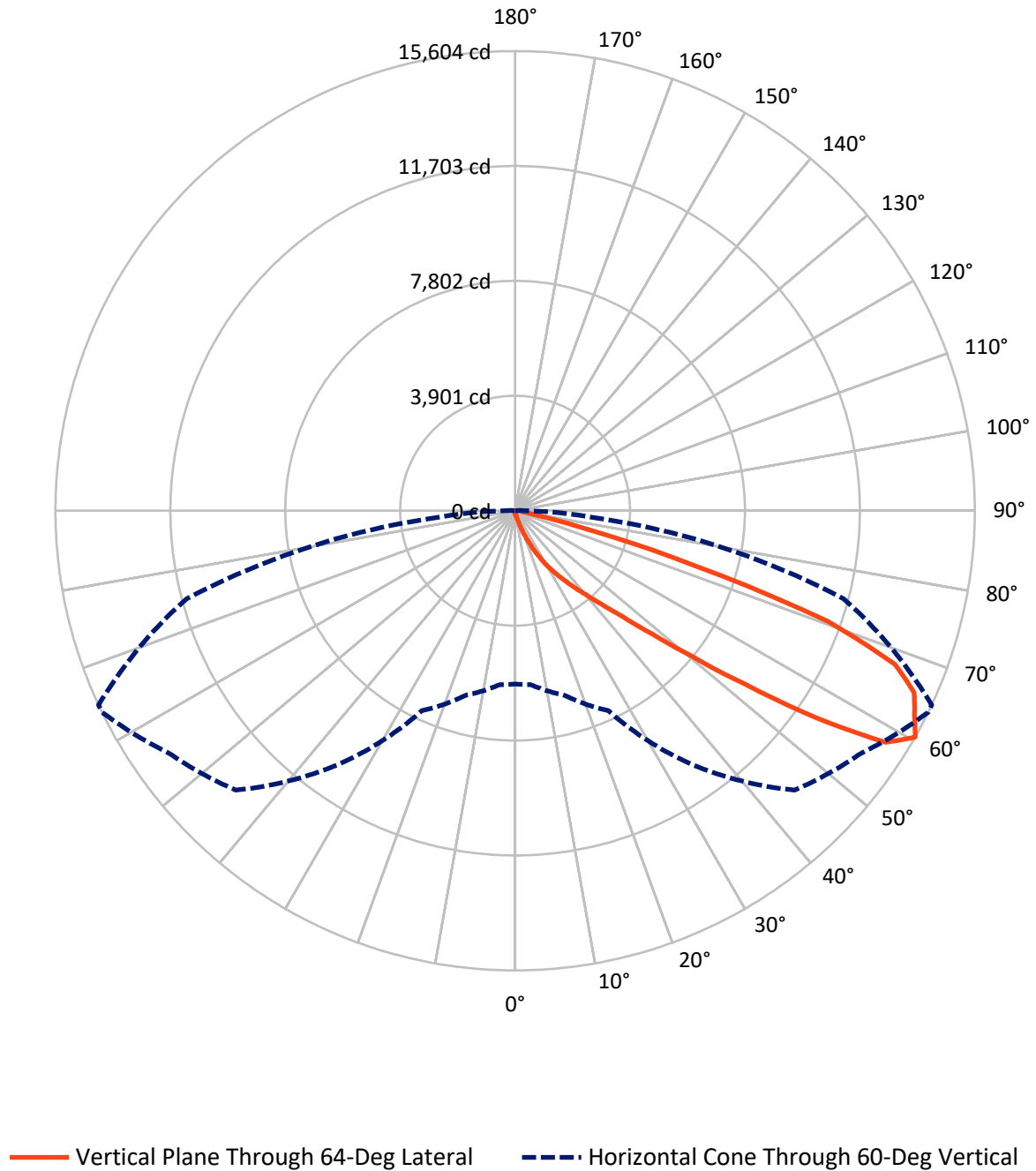


Based on 15 foot mounting height. Maximum calculated value = 19.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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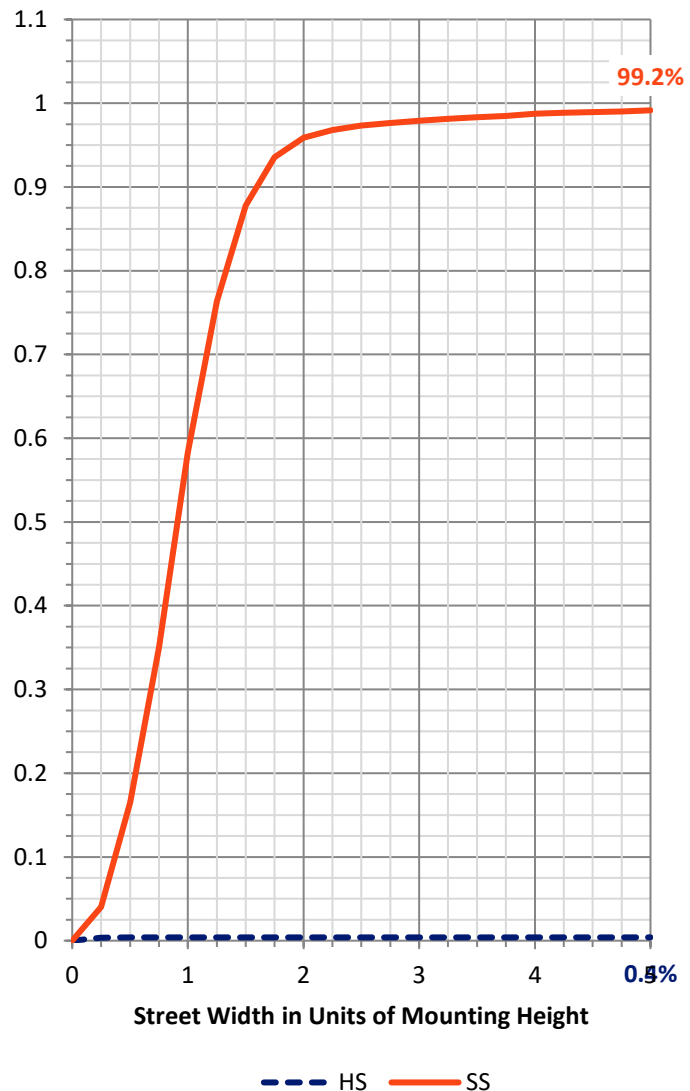
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	56.3	0.0	56.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	13827.4	0.0	13827.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	13883.7	0.0	13883.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.1
10°-20°	136.4	1.0
20°-30°	453.1	3.3
30°-40°	1209.1	8.7
40°-50°	3073.2	22.1
50°-60°	4480.1	32.3
60°-70°	3460.4	24.9
70°-80°	950.3	6.8
80°-90°	107.3	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°	13883.7	100.0
0°-180°	13883.7	100.0



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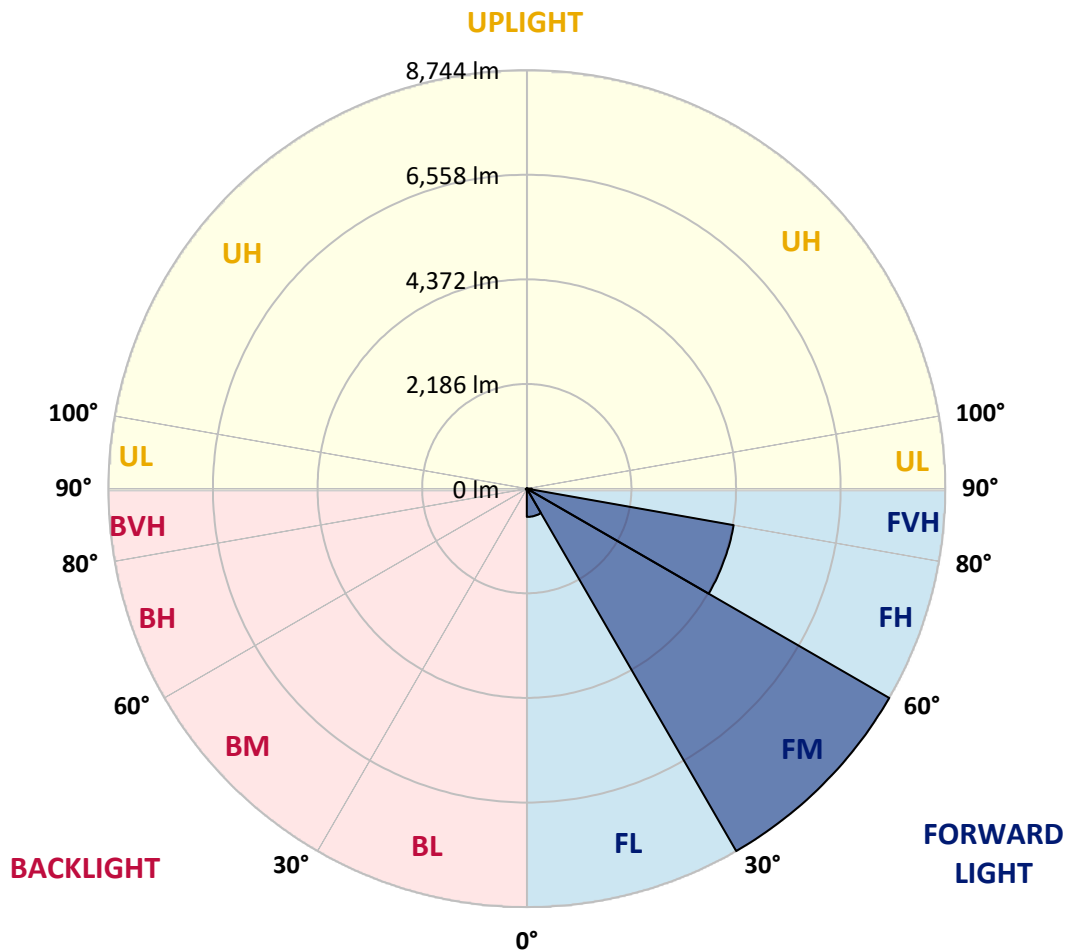
CATALOG NUMBER: NAV-SA5A-830-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	590.7	4.3			
FM	(30°-60°)	8743.7	63.0			
FH	(60°-80°)	4388.2	31.6			G2/5000
FVH	(80°-90°)	104.7	0.8			G2/225
BL	(0°-30°)	12.6	0.1	B0/110		
BM	(30°-60°)	18.6	0.1	B0/220		
BH	(60°-80°)	22.4	0.2	B0/110		G0/110
BVH	(80°-90°)	2.5	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-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
2.5°	122.3	122.3	122.3	118.5	114.7	114.7	110.8	107.0	107.0	99.4	95.5
5°	187.3	187.3	179.6	172.0	160.5	145.2	129.9	118.5	118.5	107.0	99.4
7.5°	366.9	378.3	344.0	301.9	244.6	206.4	164.3	137.6	133.8	114.7	99.4
10°	794.9	787.3	733.8	630.6	496.8	359.2	229.3	168.2	160.5	122.3	99.4
12.5°	1196.2	1207.7	1150.3	1035.7	875.2	638.2	393.6	217.8	210.2	133.8	99.4
15°	1540.1	1540.1	1501.9	1444.6	1268.8	1020.4	634.4	324.8	298.1	145.2	95.5
17.5°	1777.1	1773.3	1758.0	1742.7	1639.5	1383.4	970.7	519.7	458.6	172.0	95.5
20°	2044.6	2033.1	2052.2	2021.7	1941.4	1738.9	1326.1	772.0	714.7	217.8	95.5
22.5°	2323.6	2335.0	2350.3	2319.8	2231.9	2056.1	1700.6	1096.8	1035.7	301.9	99.4
25°	2679.0	2671.4	2705.7	2679.0	2568.2	2361.8	2052.2	1452.2	1364.3	420.4	107.0
27.5°	3114.7	3099.4	3122.3	3053.5	2908.3	2698.1	2365.6	1815.3	1712.1	603.8	122.3
30°	3691.7	3703.2	3600.0	3519.8	3313.4	3034.4	2713.4	2205.1	2098.1	821.7	137.6
32.5°	4601.3	4521.0	4360.5	4035.7	3764.4	3408.9	3061.2	2545.2	2449.7	1100.6	160.5
35°	6019.1	6034.4	5682.8	4880.3	4291.7	3879.0	3443.3	2919.8	2851.0	1417.8	191.1
37.5°	7746.5	7704.5	7395.0	6382.2	5063.7	4463.7	3879.0	3328.7	3229.3	1761.8	229.3
40°	9703.2	9527.5	9347.8	8659.9	6672.7	5197.5	4429.3	3802.6	3726.1	2159.2	290.4
42.5°	11270.1	11224.3	11254.8	10968.2	9355.5	6447.2	5159.3	4383.5	4291.7	2652.2	397.5
45°	12042.1	11977.1	12160.6	12374.6	11961.9	9107.1	6336.3	5124.9	5002.6	3233.1	561.8
47.5°	11835.7	11789.9	12183.5	12603.9	13154.2	12191.2	8258.7	6233.2	6023.0	3978.4	806.4
50°	10819.2	10823.0	11468.9	12252.3	13123.7	13754.2	11105.8	7750.4	7486.7	4968.2	1188.5
52.5°	9829.4	9859.9	10544.0	11686.7	12668.9	13937.7	13605.2	9795.0	9366.9	6133.8	1639.5
55°	8812.8	8828.1	9431.9	11040.8	12454.9	13391.2	14889.3	12428.1	11973.3	7586.0	2079.0
57.5°	7834.4	7834.4	8059.9	9489.2	12221.7	13341.5	14736.4	14835.8	14465.1	9244.6	2403.8
60°	5885.4	5923.6	6485.4	7486.7	10540.2	13414.1	14346.6	15603.9	15603.9	11545.3	2652.2
62.5°	2973.3	3030.6	3730.0	4704.5	7230.6	12412.8	14407.7	15217.9	15279.1	13574.6	3217.9
65°	1394.9	1459.9	1834.4	2522.3	3890.5	8736.4	13773.3	14889.3	14870.2	13188.6	4410.2
67.5°	1001.3	1020.4	1146.5	1471.3	2094.3	3829.3	10513.4	13907.1	13914.7	11205.2	5071.4
70°	898.1	898.1	928.7	1024.2	1261.2	1712.1	5109.6	11262.5	11809.0	8652.3	4700.7
72.5°	886.6	879.0	871.3	875.2	852.2	859.9	1754.2	6359.3	7138.9	6053.5	3749.1
75°	863.7	863.7	856.1	829.3	680.3	554.1	603.8	2572.0	2973.3	4043.3	2782.2
77.5°	684.1	752.9	833.1	783.4	622.9	416.6	351.6	745.2	940.1	2480.3	2017.8
80°	317.2	321.0	317.2	332.5	397.5	298.1	259.9	363.1	366.9	1375.8	1249.7
82.5°	229.3	233.1	221.7	198.7	175.8	160.5	214.0	267.5	286.6	630.6	466.2
85°	68.8	65.0	76.4	103.2	122.3	141.4	179.6	225.5	236.9	233.1	68.8
87.5°	30.6	30.6	38.2	53.5	72.6	107.0	156.7	206.4	210.2	240.8	19.1
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-SA5A-830-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
2.5°	95.5	91.7	87.9	84.1	80.3	76.4	72.6	72.6	76.4	76.4	76.4
5°	91.7	87.9	80.3	72.6	68.8	65.0	61.1	61.1	65.0	65.0	65.0
7.5°	91.7	84.1	76.4	68.8	61.1	57.3	53.5	53.5	53.5	57.3	57.3
10°	91.7	84.1	72.6	61.1	53.5	49.7	45.9	42.0	45.9	45.9	45.9
12.5°	87.9	80.3	68.8	57.3	45.9	38.2	34.4	34.4	34.4	34.4	34.4
15°	84.1	76.4	65.0	49.7	38.2	30.6	22.9	22.9	22.9	26.8	26.8
17.5°	80.3	72.6	57.3	38.2	26.8	19.1	15.3	15.3	15.3	19.1	19.1
20°	80.3	68.8	49.7	30.6	19.1	11.5	7.6	7.6	7.6	11.5	15.3
22.5°	80.3	68.8	45.9	22.9	11.5	7.6	3.8	3.8	3.8	3.8	3.8
25°	80.3	65.0	42.0	19.1	7.6	3.8	0.0	0.0	3.8	7.6	11.5
27.5°	80.3	61.1	34.4	11.5	7.6	3.8	0.0	3.8	7.6	7.6	7.6
30°	80.3	61.1	30.6	11.5	3.8	0.0	0.0	3.8	7.6	7.6	11.5
32.5°	84.1	57.3	26.8	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	87.9	53.5	22.9	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	95.5	53.5	15.3	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	107.0	57.3	15.3	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	133.8	61.1	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	187.3	76.4	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	275.2	114.7	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	401.3	156.7	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	493.0	156.7	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	489.2	99.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	374.5	68.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	317.2	49.7	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	382.2	38.2	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	680.3	34.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1093.0	34.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1222.9	34.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	955.4	30.6	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	523.6	26.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	263.7	19.1	7.6	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	110.8	15.3	7.6	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
82.5°	38.2	15.3	7.6	7.6	3.8	3.8	0.0	0.0	0.0	0.0	0.0
85°	19.1	11.5	11.5	7.6	7.6	3.8	3.8	0.0	0.0	0.0	0.0
87.5°	11.5	11.5	11.5	7.6	7.6	3.8	3.8	0.0	0.0	0.0	3.8
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

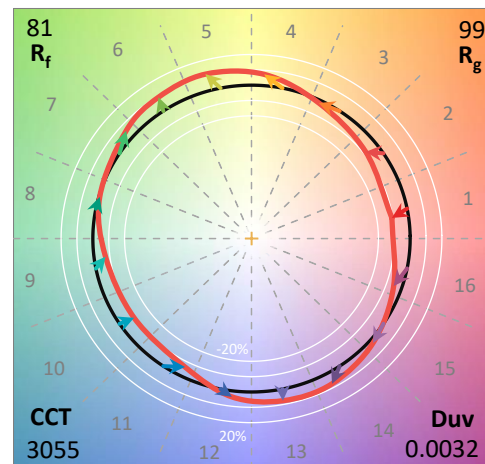
Test Information

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

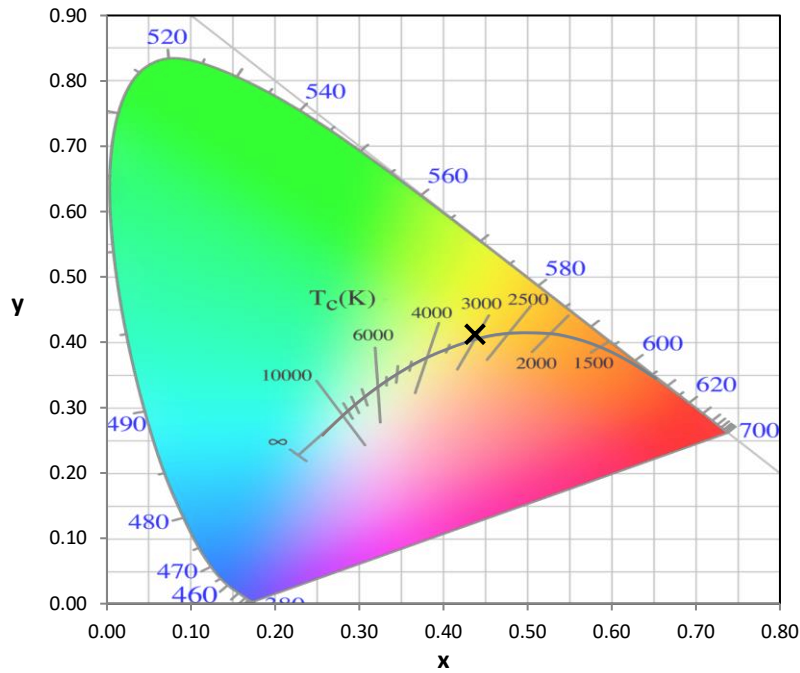
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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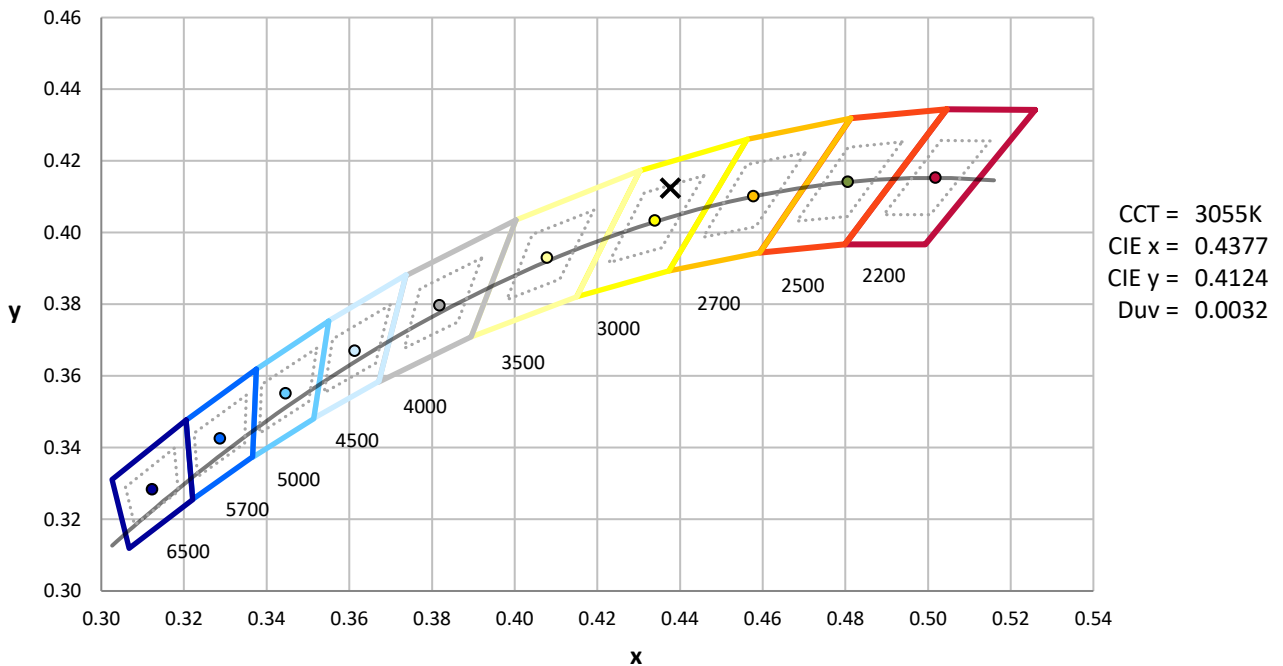
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



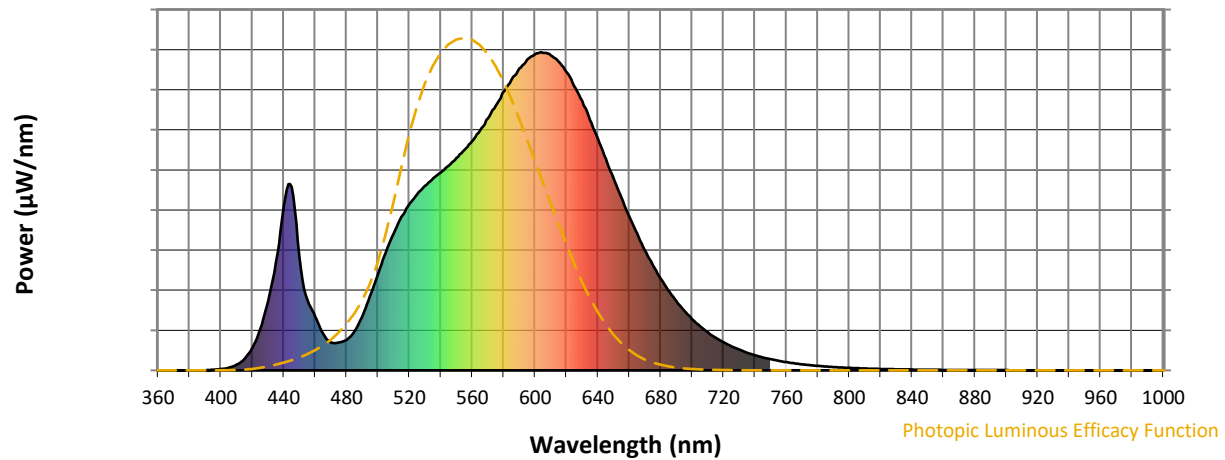
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

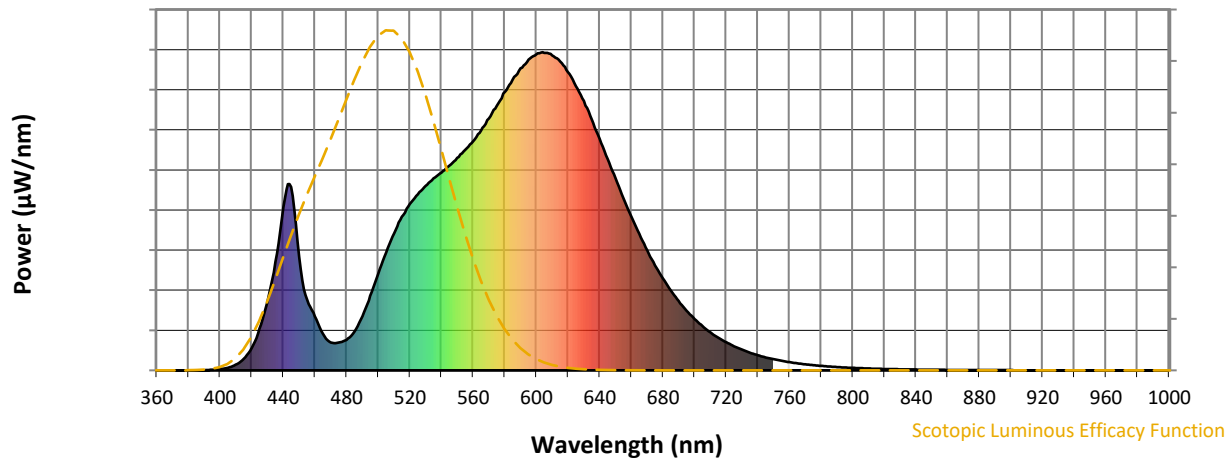


Photopic Lumens: NR

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



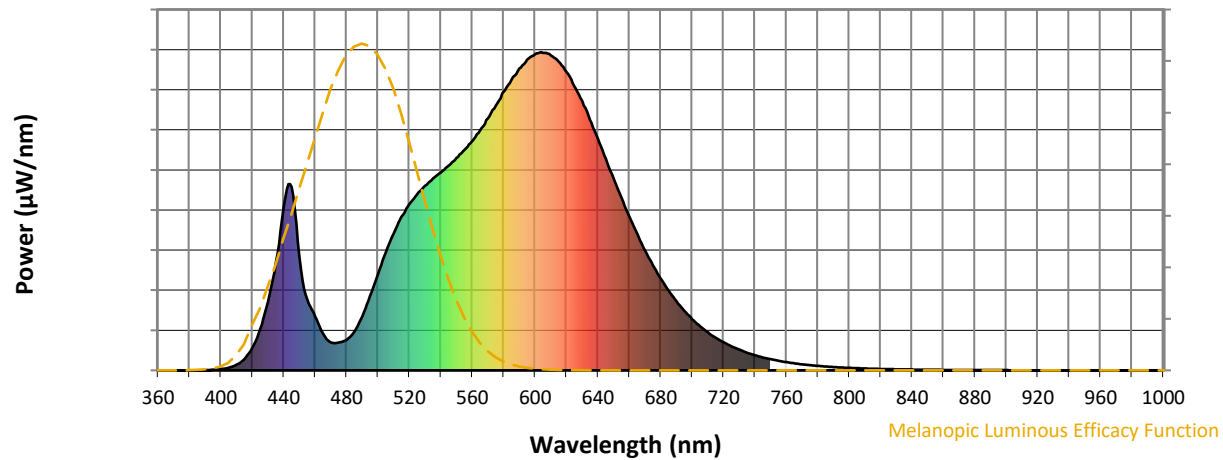
Scotopic Lumens: NR

S/P: 1.28

λ (nm)	Power W ^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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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.33

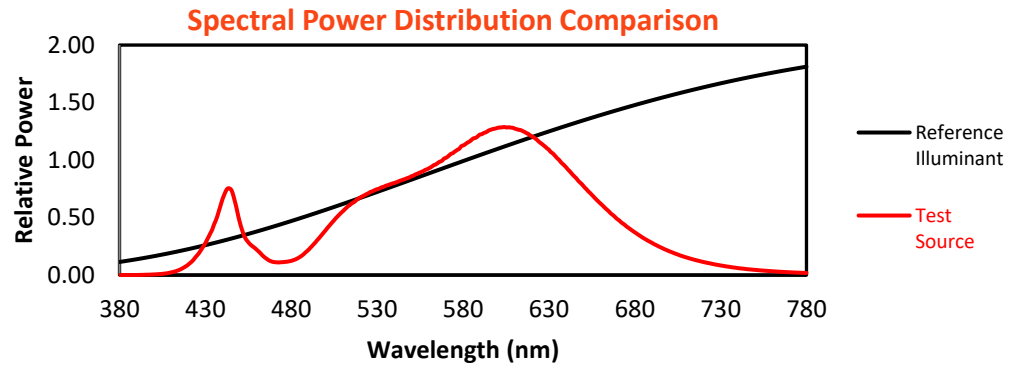
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170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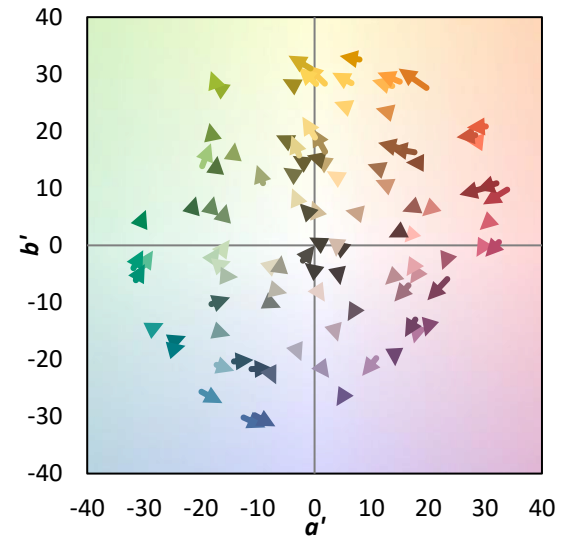
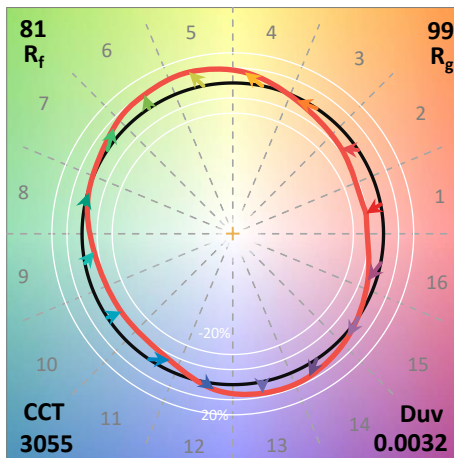
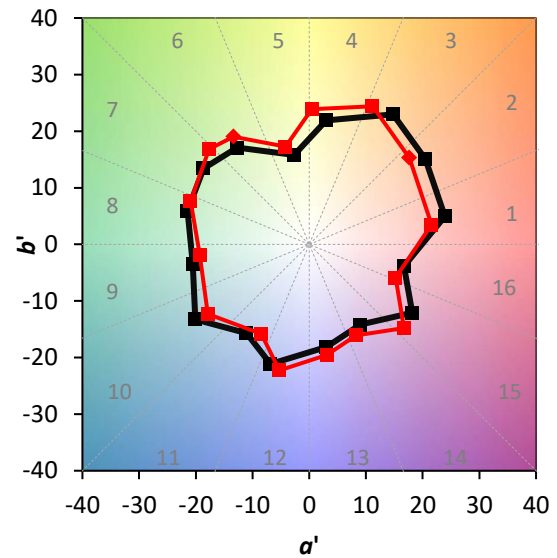
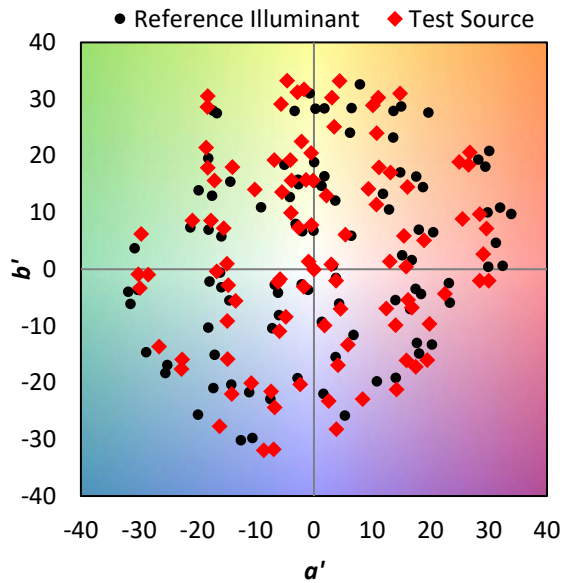
TM-30-18

Summary

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

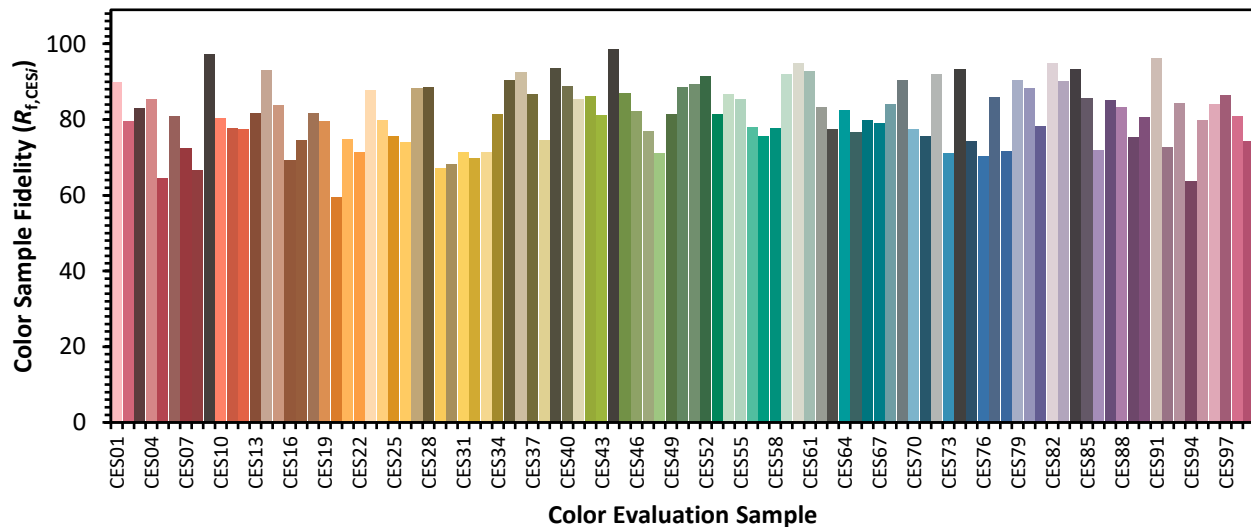


Color Vector Graphics

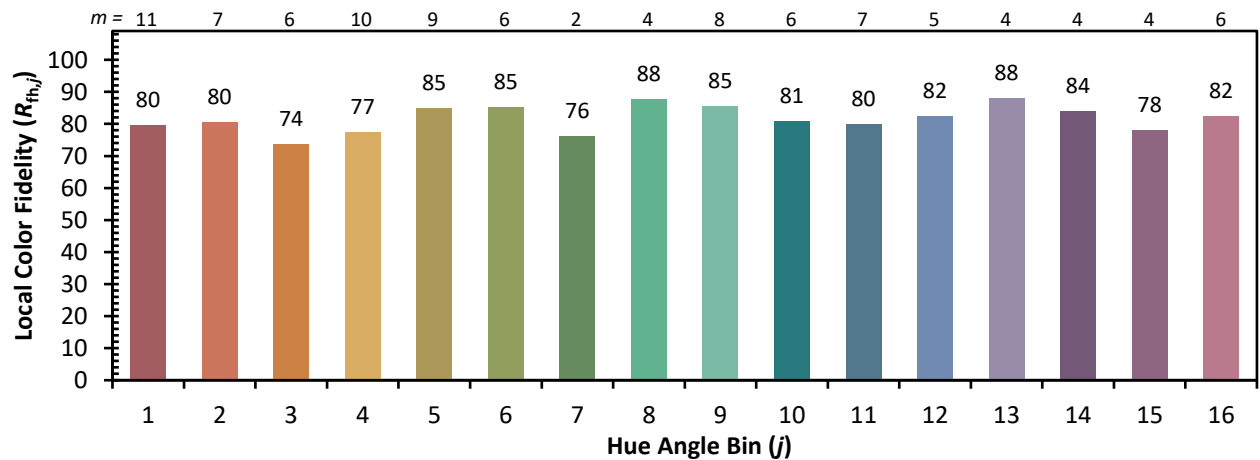
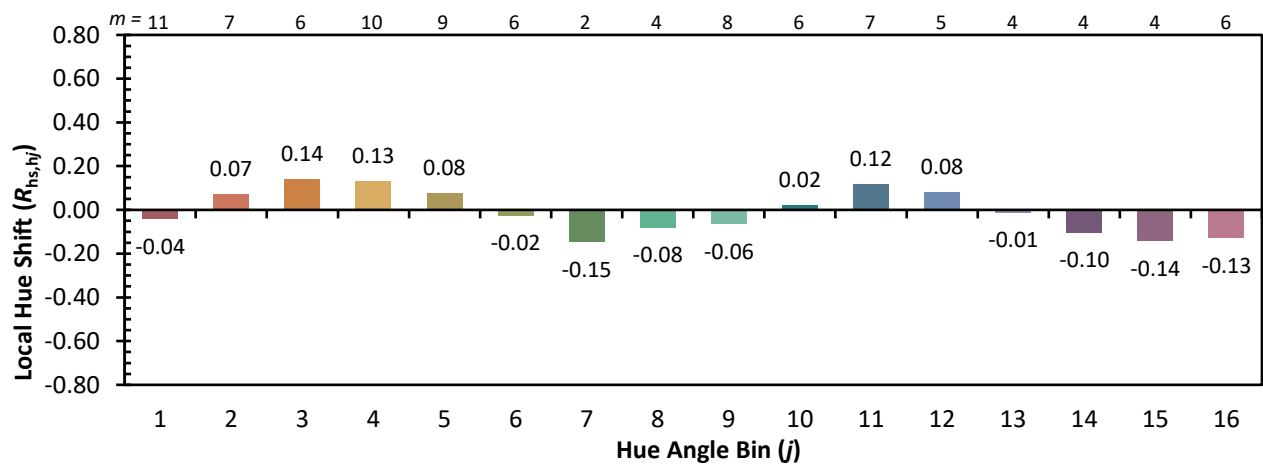
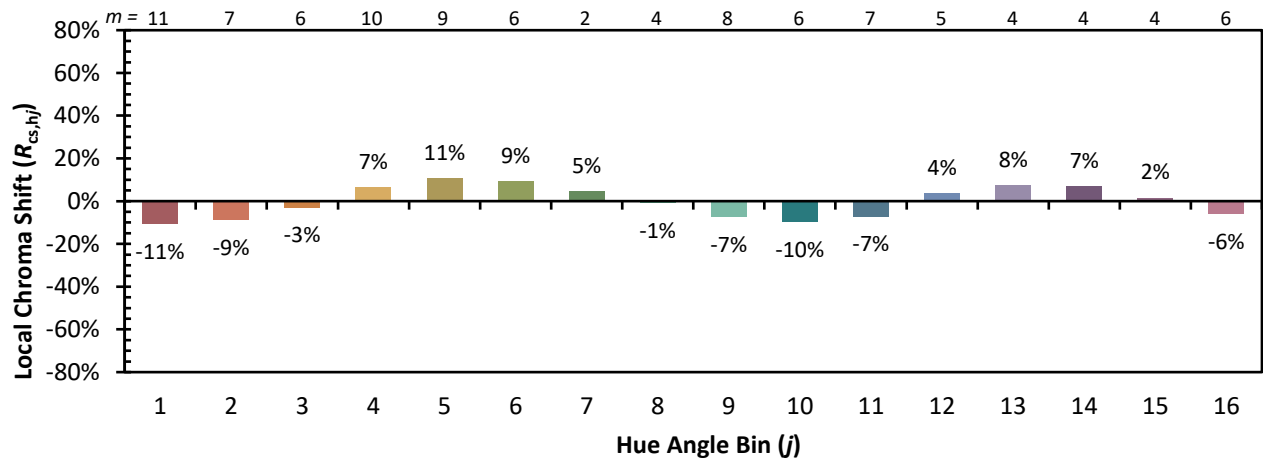


Individual Sample Fidelity Index ($R_{f,i}$)

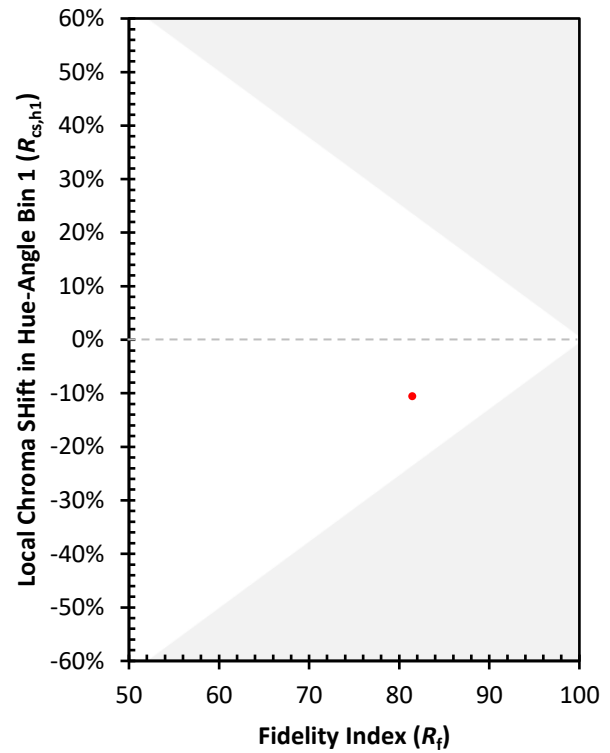
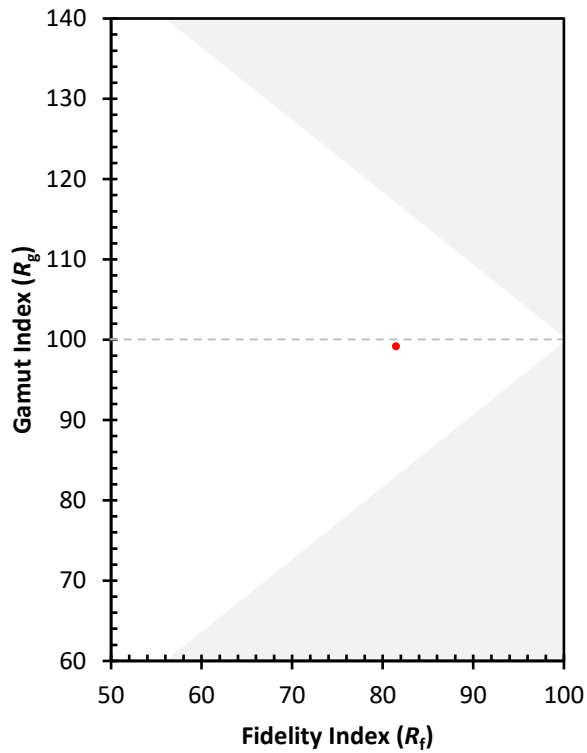
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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