

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: STREETWORKS

Report Number: P1057496

Luminaire Tested: **GAP-SA1A-830-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1057496
Test Lab: INNOVATION CENTER(G1)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-SA1A-830-U-T3BC
Description: GALLEON PEDESTRAIAN COMPANION 615mA 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: 2956.6 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 29.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

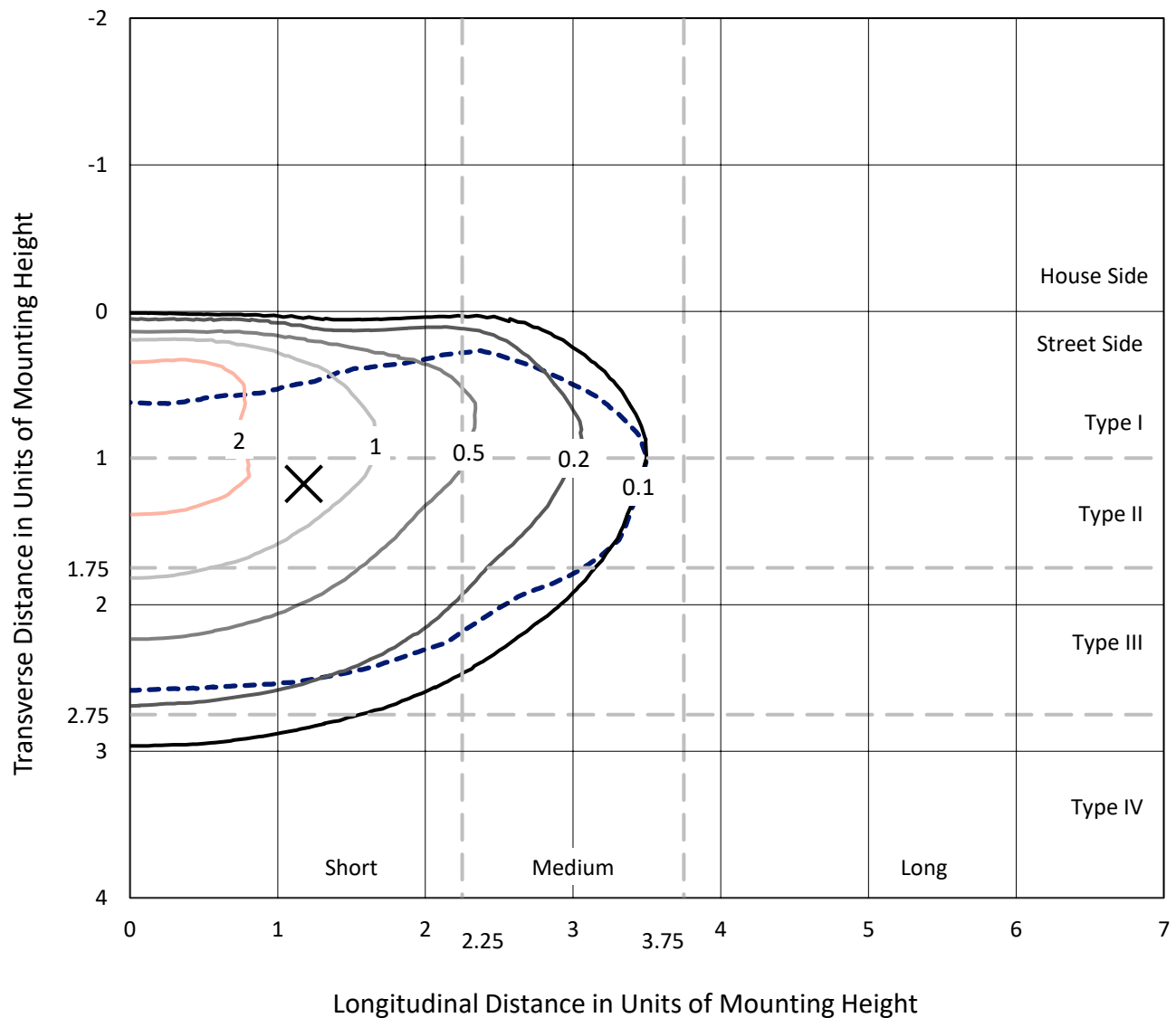


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

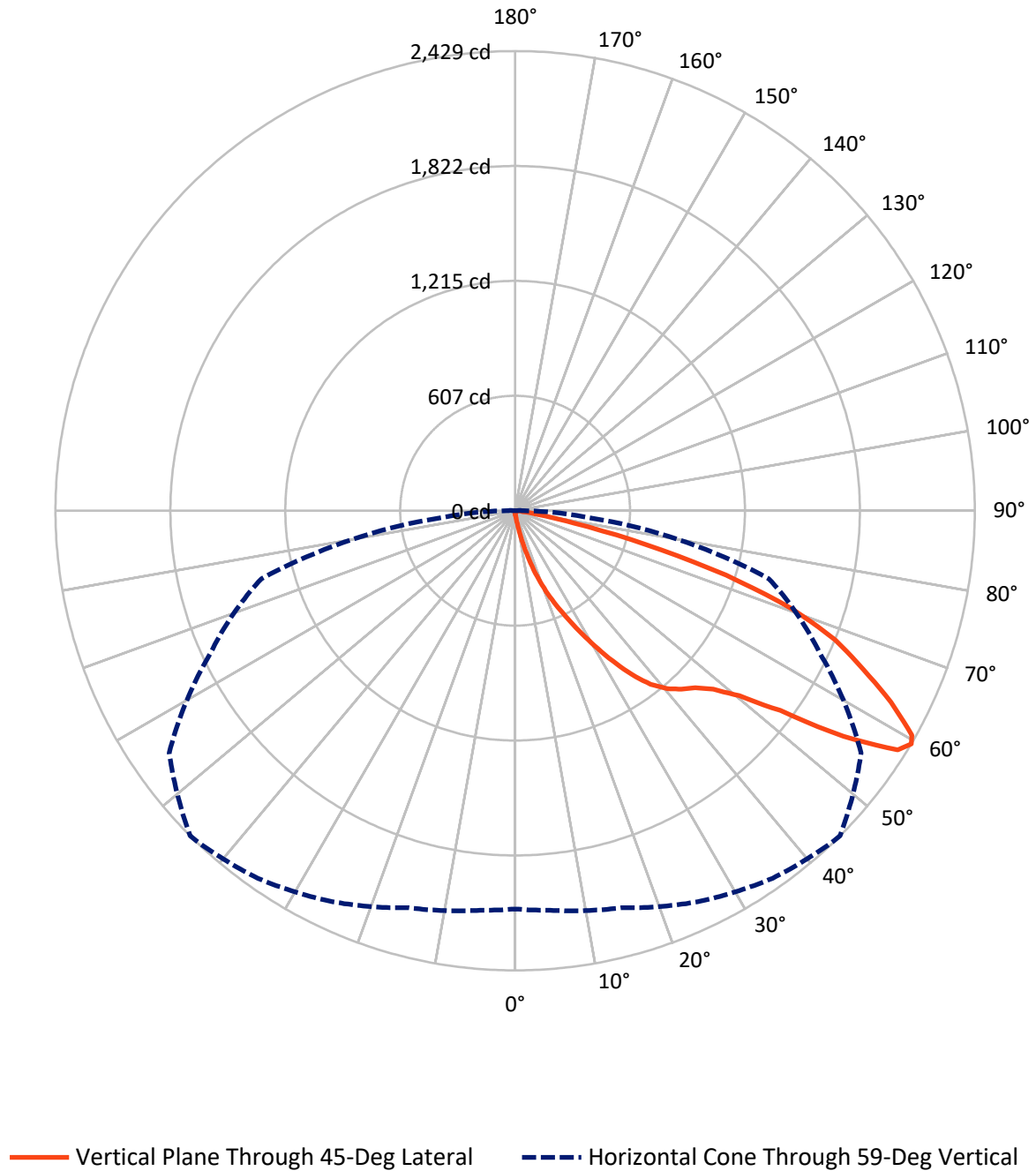


Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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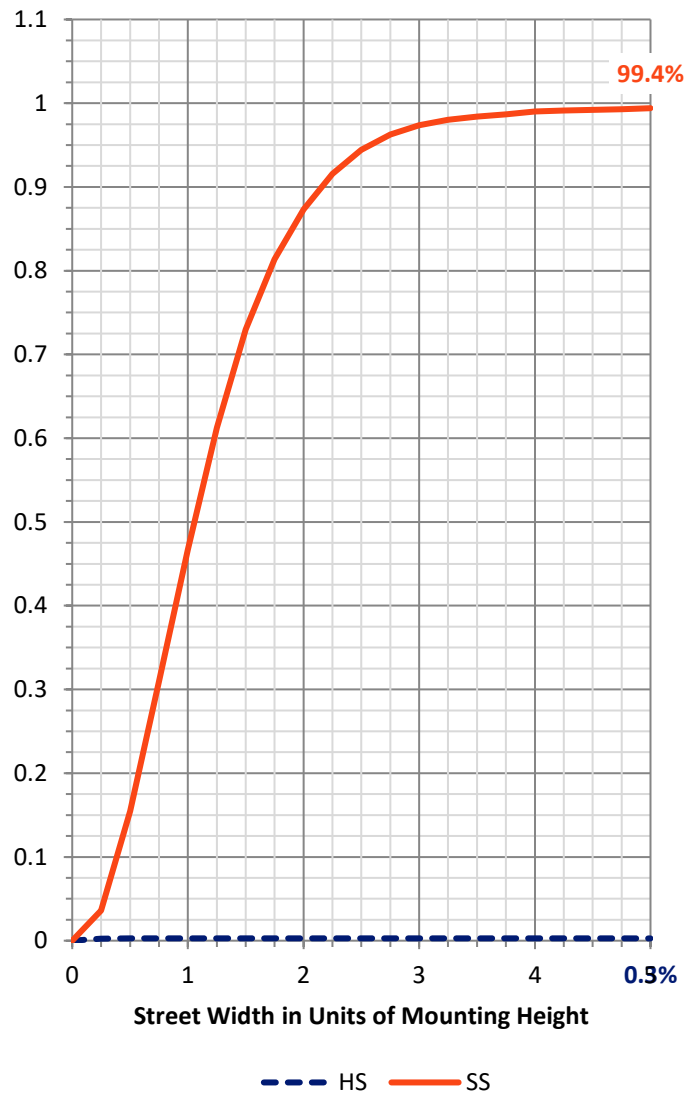
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8.0	0.0	8.0
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	2948.6	0.0	2948.6
	% Fixture	99.7	0.0	99.7
Total	Lumens	2956.6	0.0	2956.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	34.2	1.2
20°-30°	121.0	4.1
30°-40°	278.9	9.4
40°-50°	470.6	15.9
50°-60°	775.8	26.2
60°-70°	881.3	29.8
70°-80°	362.4	12.3
80°-90°	29.5	1.0
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°	2956.6	100.0
0°-180°	2956.6	100.0



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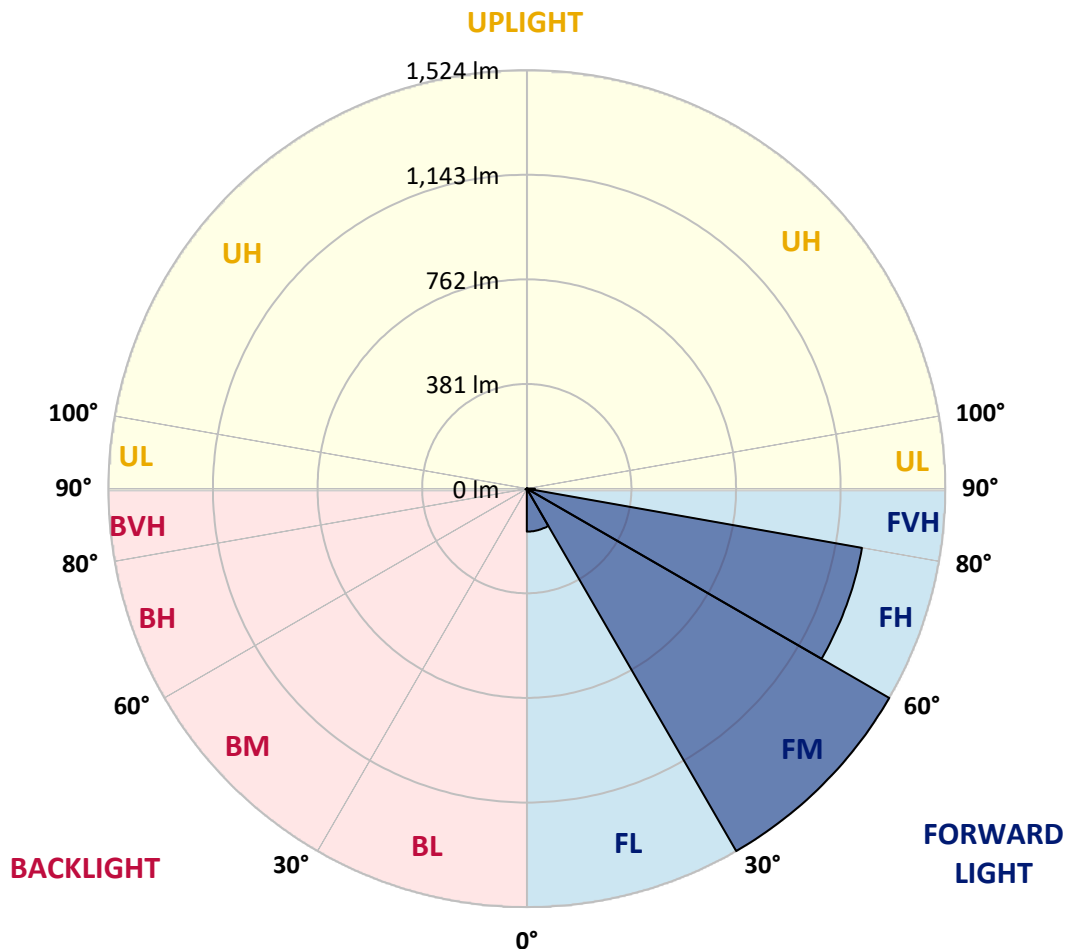
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.5	5.3			
FM	(30°-60°)	1523.7	51.5			
FH	(60°-80°)	1239.1	41.9			G1/1800
FVH	(80°-90°)	29.3	1.0			G1/100
BL	(0°-30°)	1.7	0.1	B0/110		
BM	(30°-60°)	1.5	0.1	B0/220		
BH	(60°-80°)	4.6	0.2	B0/110		G0/110
BVH	(80°-90°)	0.2	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
2.5°	22.1	22.3	22.1	21.8	20.9	19.9	19.9	19.2	18.5	17.8	17.0
5°	38.9	37.9	36.9	34.8	30.7	27.1	26.6	23.5	20.9	19.0	17.3
7.5°	98.6	96.0	86.8	76.0	57.8	44.4	43.9	33.3	25.2	20.6	17.5
10°	205.8	198.6	184.7	161.7	125.0	91.4	84.2	51.3	33.1	22.8	17.8
12.5°	312.8	313.1	299.9	268.4	223.6	169.6	160.2	92.8	47.3	26.6	18.0
15°	406.8	404.4	392.9	370.6	322.2	259.8	251.4	159.5	71.5	31.9	18.5
17.5°	478.8	475.5	468.5	453.4	417.9	356.5	347.6	240.6	110.8	38.9	18.7
20°	563.3	560.9	552.0	531.1	498.7	449.8	437.1	329.4	168.9	50.4	19.2
22.5°	667.8	660.9	650.1	623.5	583.4	530.9	526.6	419.6	240.1	68.4	20.2
25°	788.7	778.9	766.2	732.6	683.2	619.4	614.1	508.1	316.9	95.5	21.6
27.5°	935.3	926.2	903.4	860.0	800.7	724.5	718.5	598.5	402.1	132.4	23.5
30°	1094.1	1082.4	1044.7	988.3	932.0	841.8	827.4	691.1	487.2	178.5	26.1
32.5°	1242.1	1227.0	1180.5	1113.8	1054.8	959.5	946.8	795.7	576.7	233.4	30.2
35°	1373.4	1355.6	1291.1	1218.4	1159.1	1075.2	1063.7	897.4	663.5	295.8	35.3
37.5°	1477.7	1465.9	1376.7	1294.7	1246.5	1172.1	1164.4	1006.6	760.2	367.7	42.2
40°	1585.4	1569.8	1465.0	1361.6	1306.9	1245.0	1235.9	1094.4	853.0	445.5	50.9
42.5°	1676.6	1661.9	1563.3	1453.7	1368.3	1294.7	1288.9	1168.0	943.0	526.3	62.1
45°	1773.0	1759.8	1671.5	1585.7	1457.6	1344.1	1334.3	1228.9	1030.8	620.8	77.0
47.5°	1905.4	1887.9	1803.7	1737.7	1591.2	1420.1	1409.1	1288.7	1119.8	719.7	97.6
50°	2071.2	2058.5	1997.5	1945.0	1789.6	1558.8	1535.3	1366.2	1204.2	832.9	124.5
52.5°	2232.1	2227.8	2232.1	2213.4	2095.2	1799.4	1753.6	1496.4	1311.7	951.2	159.5
55°	2252.3	2265.5	2317.5	2377.5	2357.8	2144.1	2105.5	1694.8	1444.6	1100.4	213.0
57.5°	2179.4	2186.8	2253.3	2359.0	2422.6	2390.0	2385.2	2023.2	1632.2	1277.6	293.4
59°	2104.8	2119.4	2172.4	2280.4	2371.5	2425.3	2429.1	2231.7	1774.9	1388.0	359.6
60°	2063.3	2067.8	2108.8	2215.1	2313.0	2397.9	2408.9	2338.4	1887.4	1471.2	418.8
62.5°	1932.3	1934.7	1956.8	2040.5	2127.1	2205.3	2228.5	2403.4	2199.8	1679.9	628.3
65°	1761.0	1764.1	1797.5	1877.8	1960.4	2012.9	2022.7	2221.1	2364.3	1897.3	920.7
67.5°	1452.3	1469.8	1512.2	1638.9	1755.0	1817.9	1825.1	1899.7	2274.4	2044.3	1075.4
70°	983.3	966.7	1072.1	1248.4	1458.3	1552.8	1553.3	1585.9	1936.1	2008.1	896.7
72.5°	429.4	455.8	532.5	687.8	942.0	1169.9	1165.1	1276.0	1544.2	1706.1	666.6
75°	188.6	194.5	226.9	309.2	428.4	635.5	708.6	1024.3	1162.3	1115.7	484.8
77.5°	101.5	102.9	111.5	129.3	163.8	300.1	316.9	648.9	824.0	643.1	313.3
80°	38.6	38.6	40.3	46.3	68.4	117.3	125.9	293.1	568.5	328.6	158.3
82.5°	24.2	23.7	24.0	24.2	27.8	40.1	42.7	116.6	268.4	162.2	41.7
85°	12.2	12.7	14.2	17.0	20.2	24.7	25.4	36.5	81.6	37.9	10.8
87.5°	7.9	8.2	8.9	11.5	14.2	18.0	18.5	25.4	32.4	26.6	2.2
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
2.5°	16.8	16.3	15.6	14.9	14.2	13.0	12.0	11.5	11.3	11.0	11.0
5°	16.6	15.8	14.4	13.2	12.0	10.6	9.4	8.6	8.4	8.2	8.2
7.5°	16.3	15.1	13.4	11.8	10.1	8.4	7.0	6.2	6.0	5.8	5.5
10°	16.1	14.6	12.2	10.3	8.4	6.5	5.0	4.1	3.8	3.6	3.6
12.5°	15.8	13.9	11.3	9.1	6.7	4.6	3.4	2.4	1.9	1.7	1.7
15°	15.6	13.2	10.6	7.7	5.0	2.9	1.4	0.7	0.2	0.2	0.2
17.5°	14.9	12.5	9.4	6.0	3.4	1.4	0.5	0.0	0.0	0.0	0.0
20°	14.4	11.8	8.2	4.6	1.9	0.7	0.0	0.0	0.0	0.0	0.0
22.5°	14.2	11.3	7.0	3.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0
25°	14.2	10.8	5.8	2.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	14.4	10.3	4.6	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
30°	13.9	9.8	3.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	13.9	8.9	2.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	14.2	7.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	14.9	6.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	16.1	6.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	17.8	6.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	19.7	6.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	22.5	6.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	25.9	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	29.7	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	33.8	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	39.3	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	45.1	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	51.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	82.5	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	161.9	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	276.8	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	294.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	193.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	98.4	3.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	44.1	3.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	17.8	2.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.2	1.4	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.9	1.4	1.0	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	1.4	1.2	1.0	0.5	0.0	0.0	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

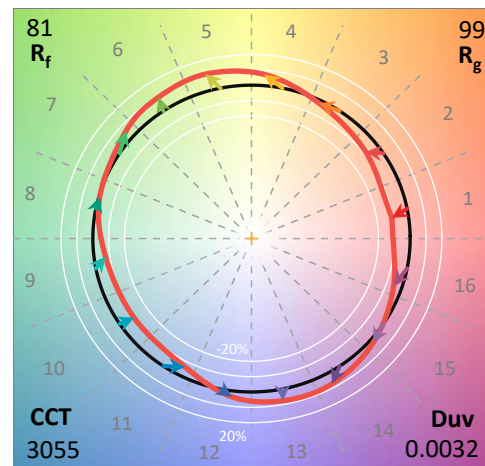
Test Information

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

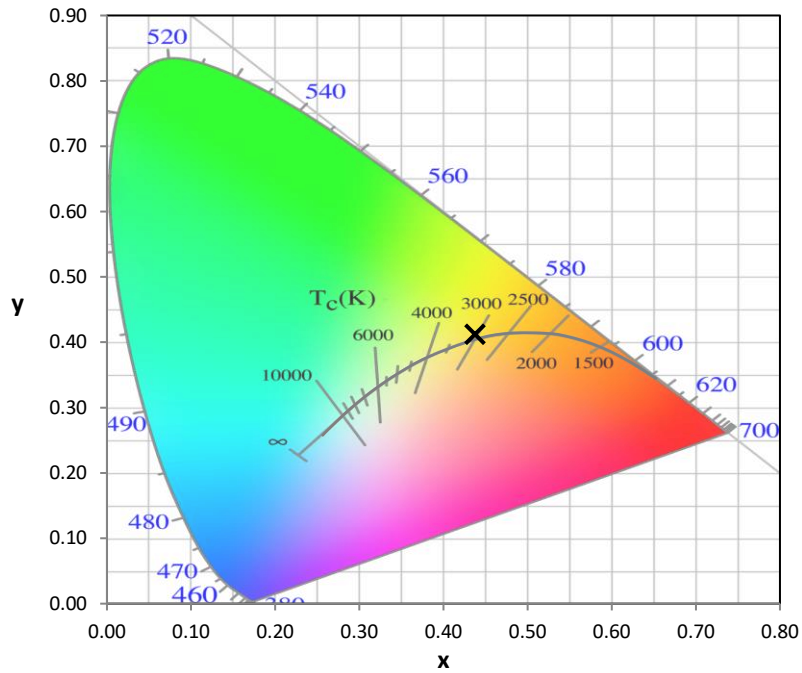
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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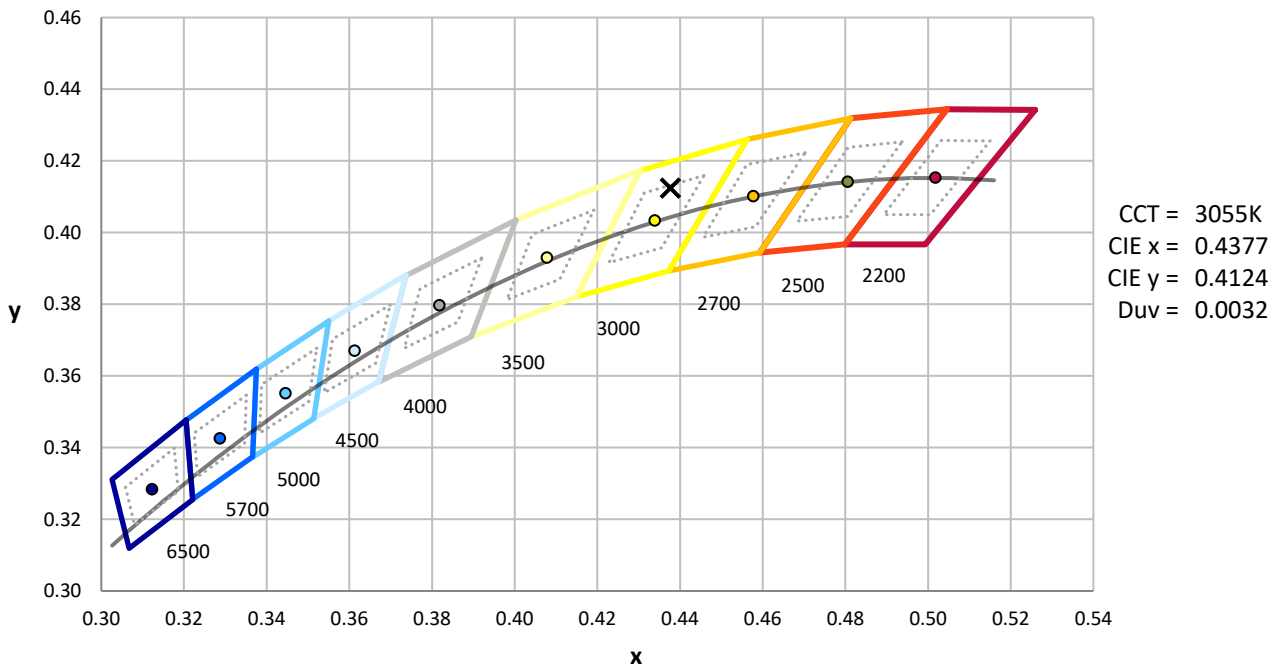
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



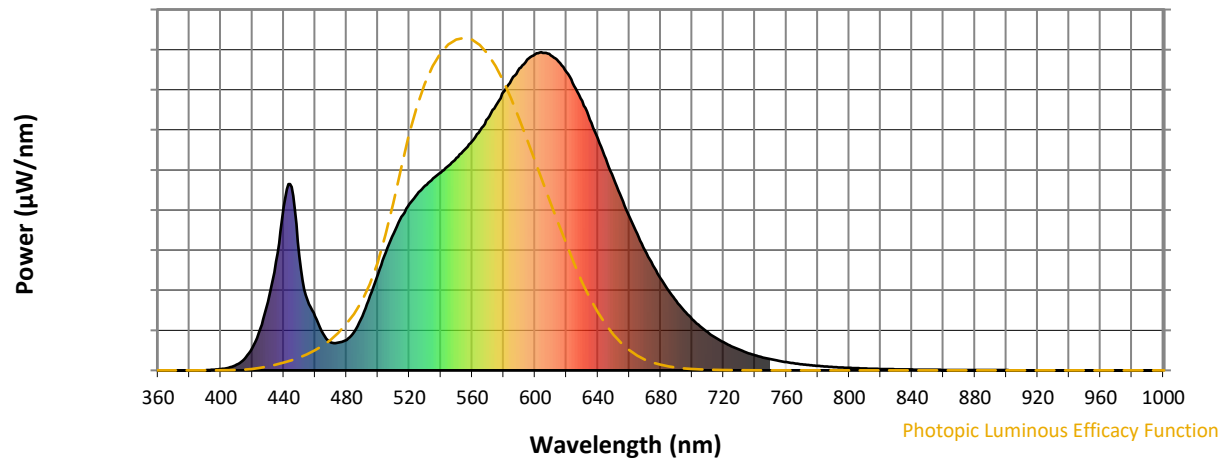
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

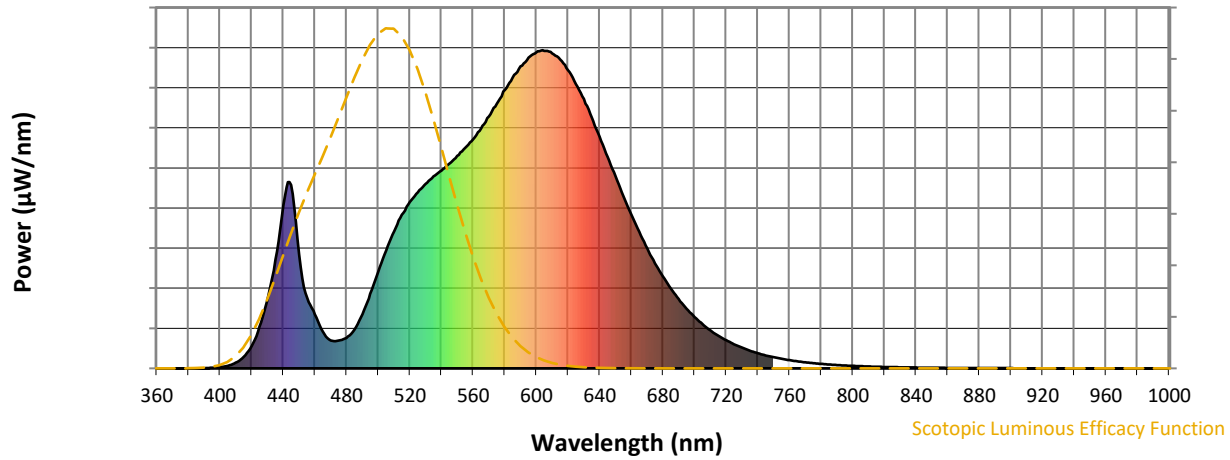


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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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Scotopic Flux vs. Wavelength



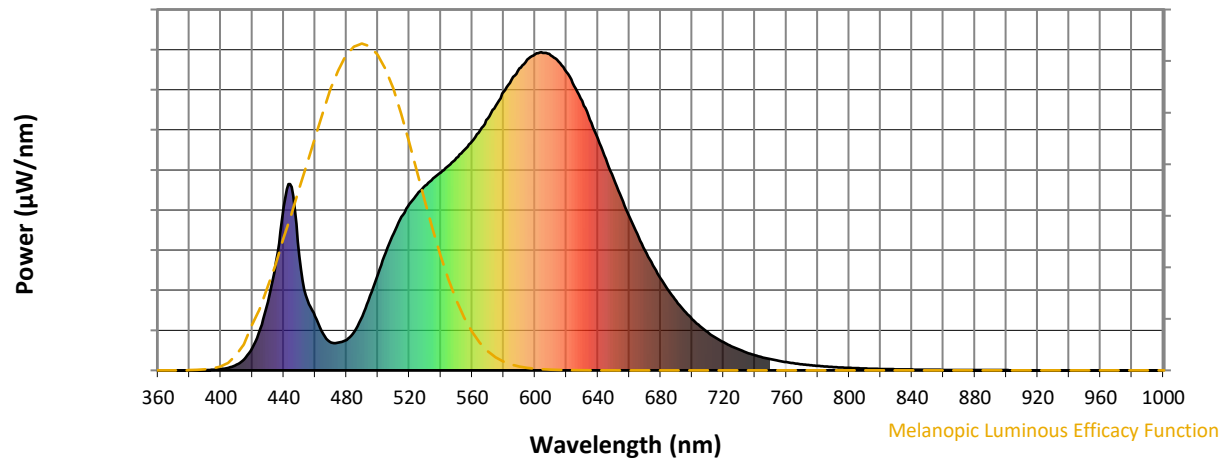
Scotopic Lumens: NR

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

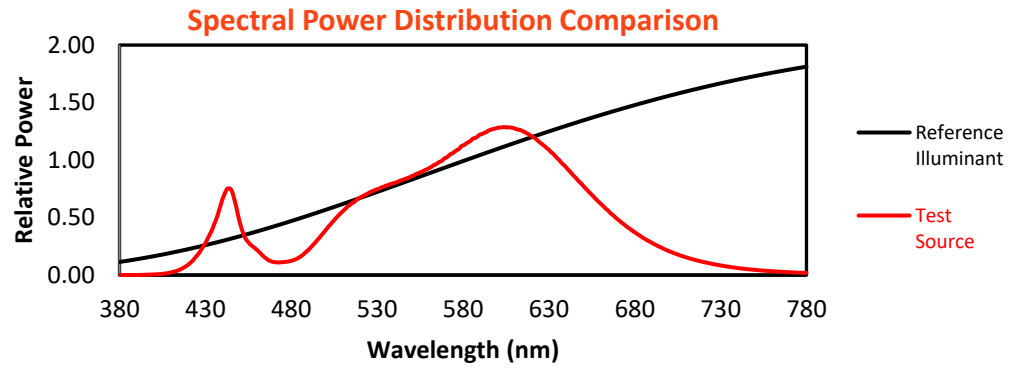
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	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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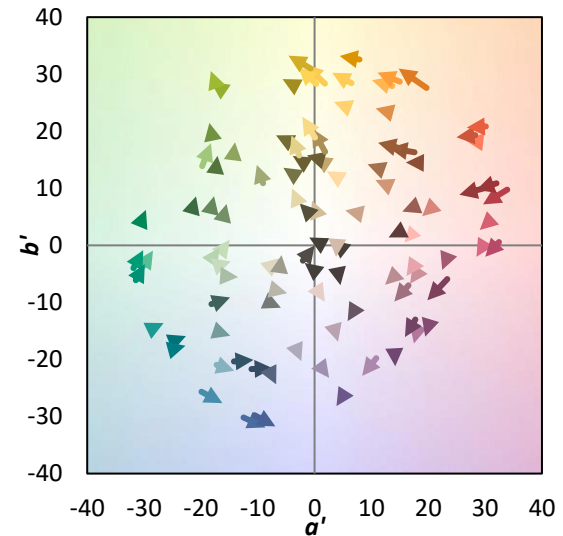
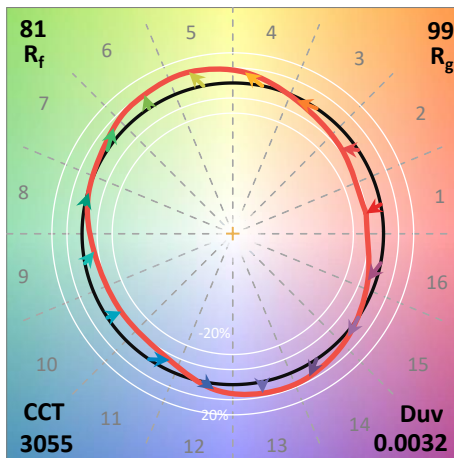
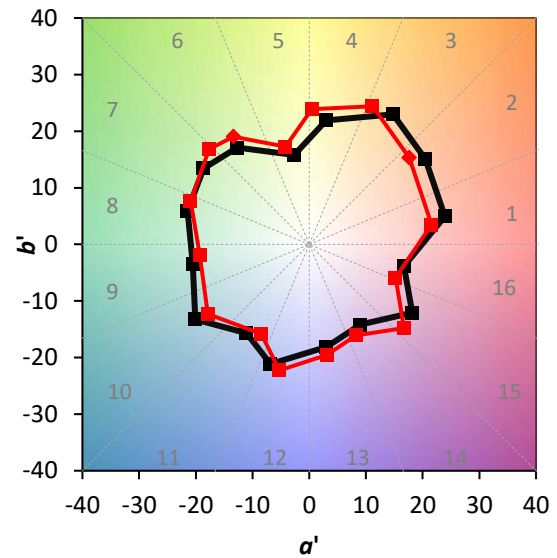
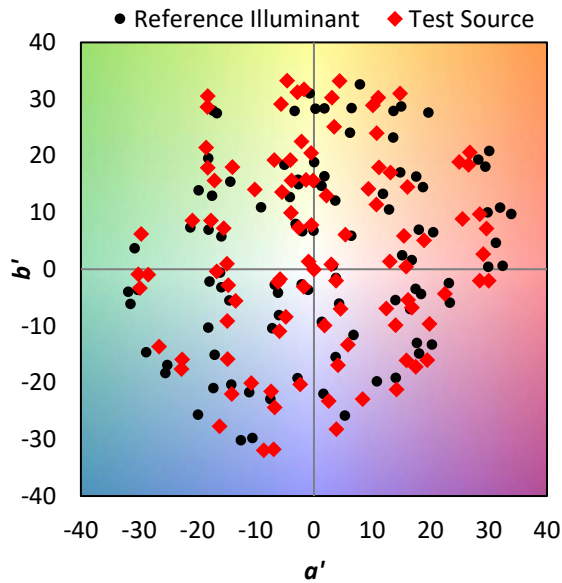
TM-30-18

Summary

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

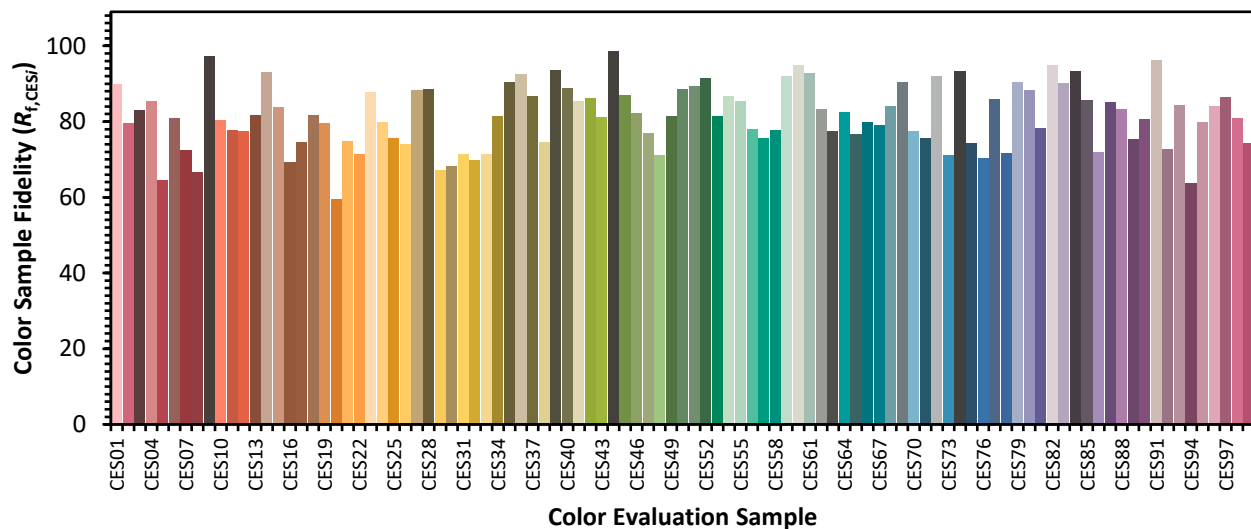


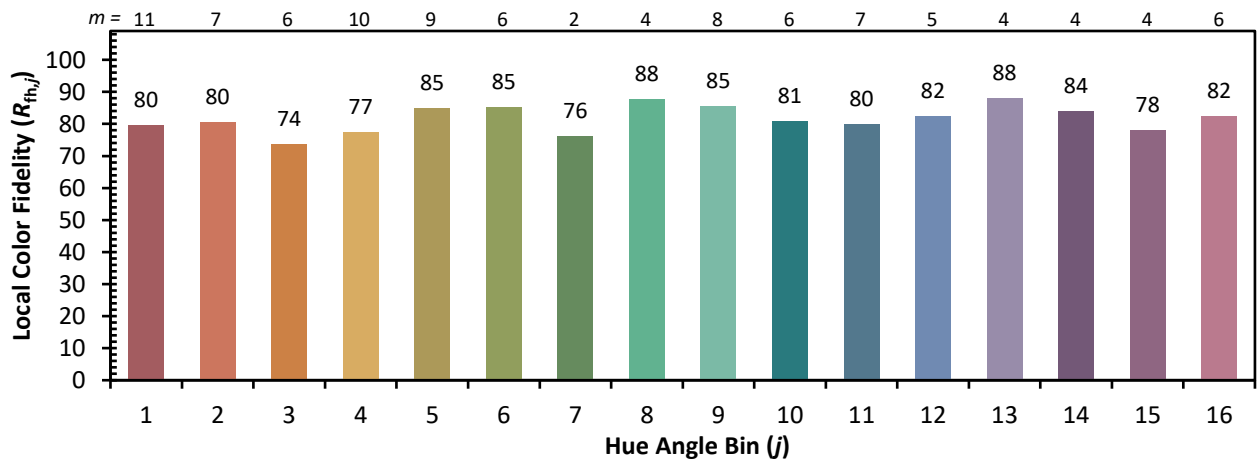
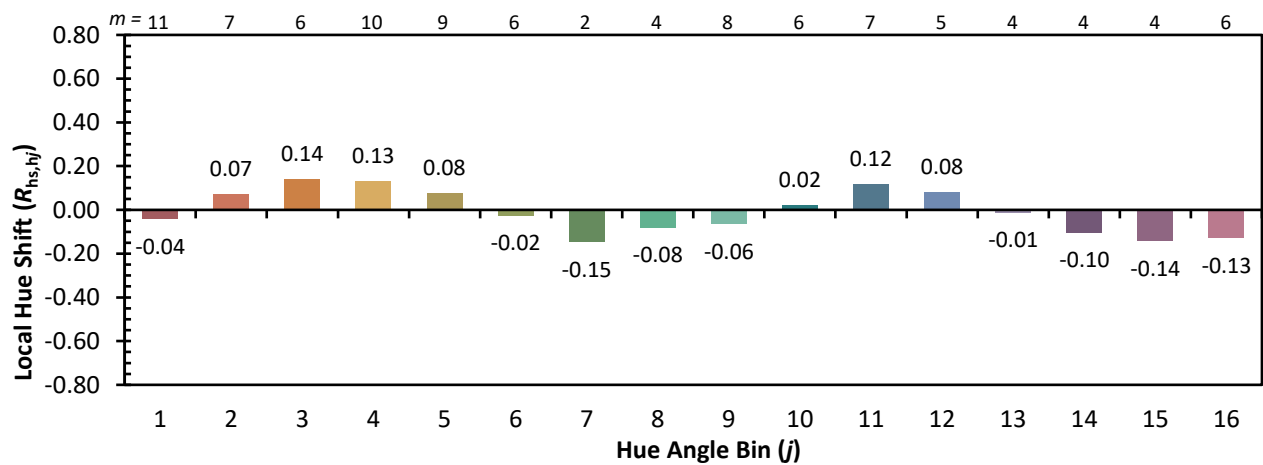
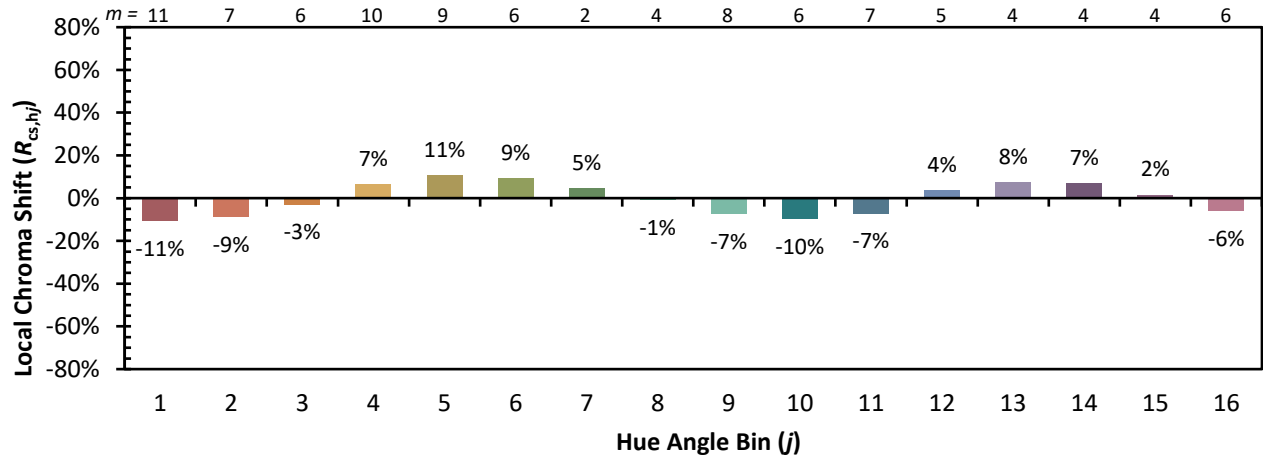
Color Vector Graphics

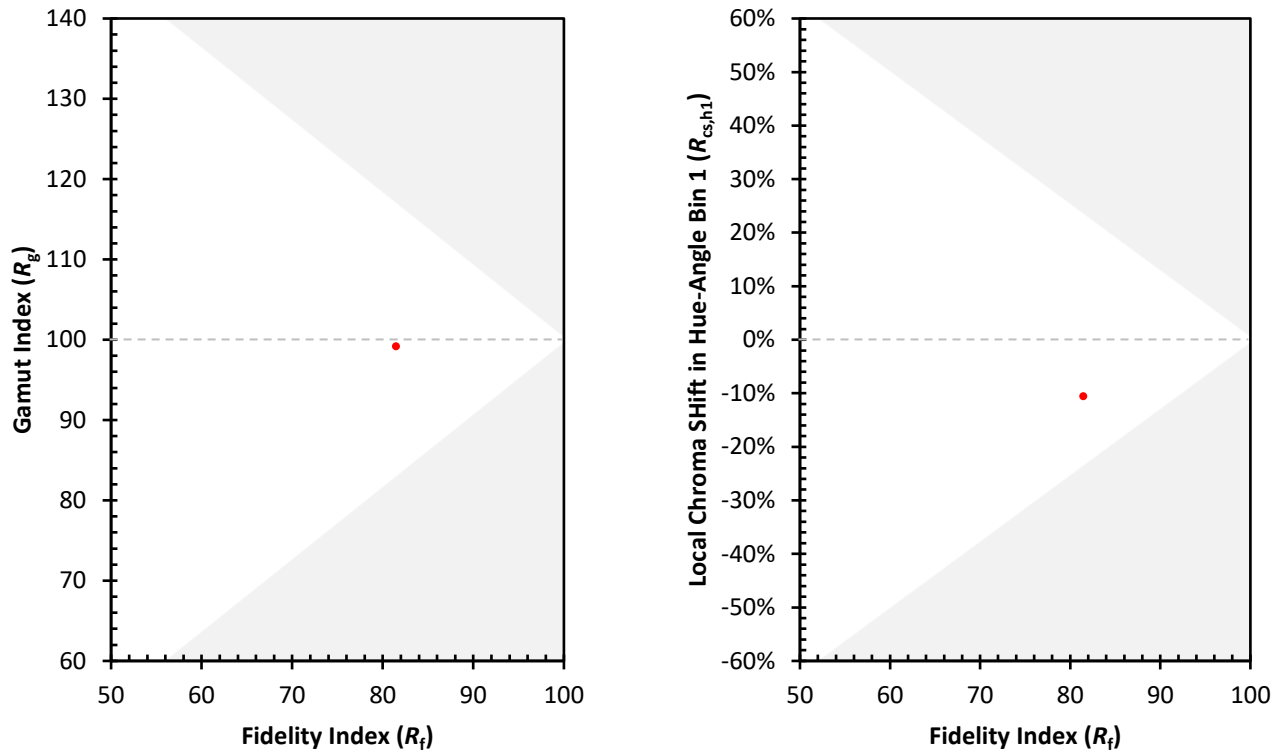


Individual Sample Fidelity Index ($R_{f,i}$)

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)