

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: McGRAW-EDISON

Report Number: P991216

Luminaire Tested: **GPC-SA1D-830-U-T4BC**

Issue Date: 07/03/2025

Test Information

Test Method: LM-79-08
Report Number: P991216
Test Lab: INNOVATION CENTER(G1)
Issue Date: 07/03/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-SA1D-830-U-T4BC
Description: GALLEON PEDESTRAIAN COMPANION 1200mA 1xLight Square PACKAGE 80CRI
3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4808.1 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 56.1
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: 24 FT

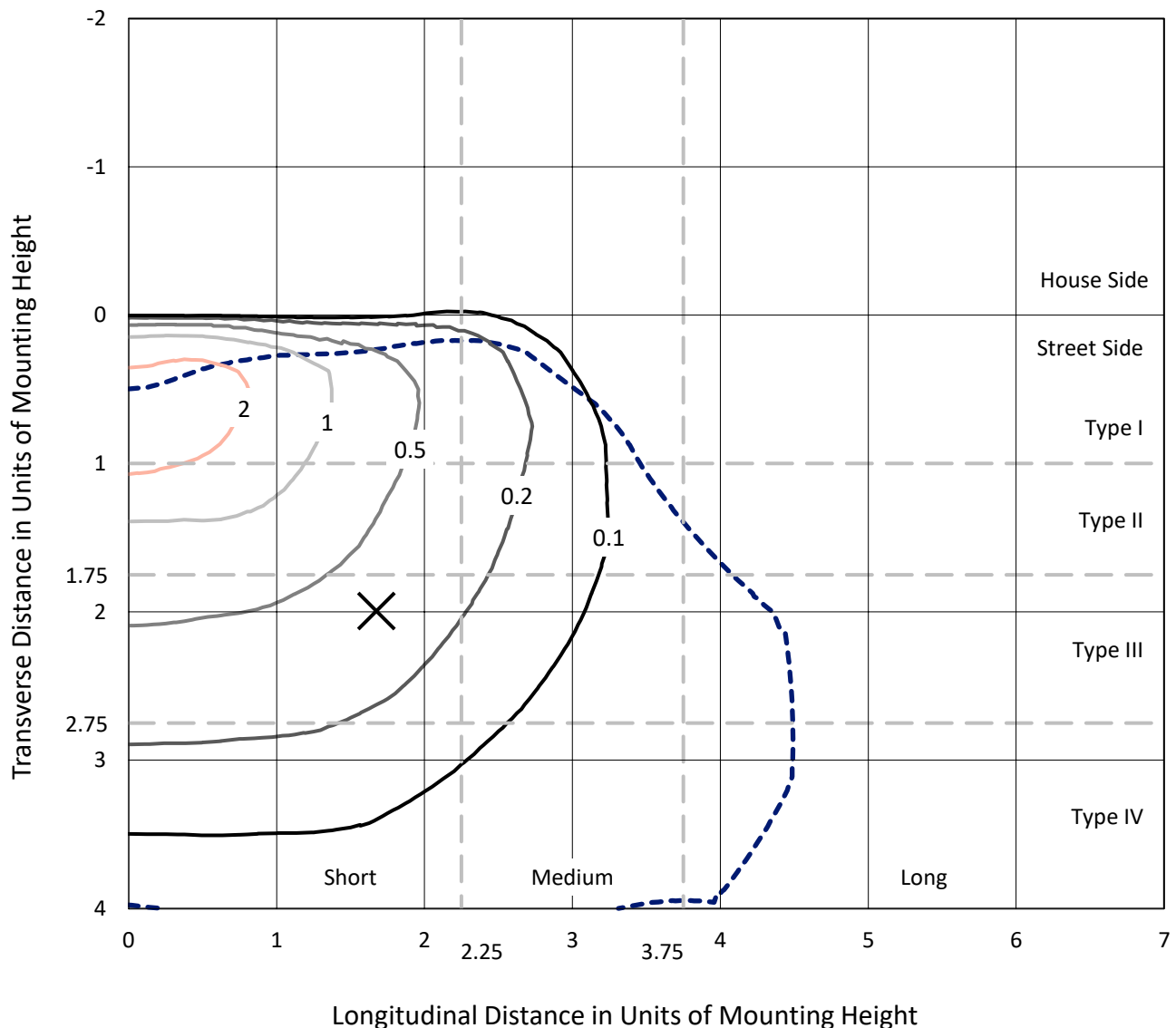


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Iso-Footcandle Lines of Horizontal Illumination

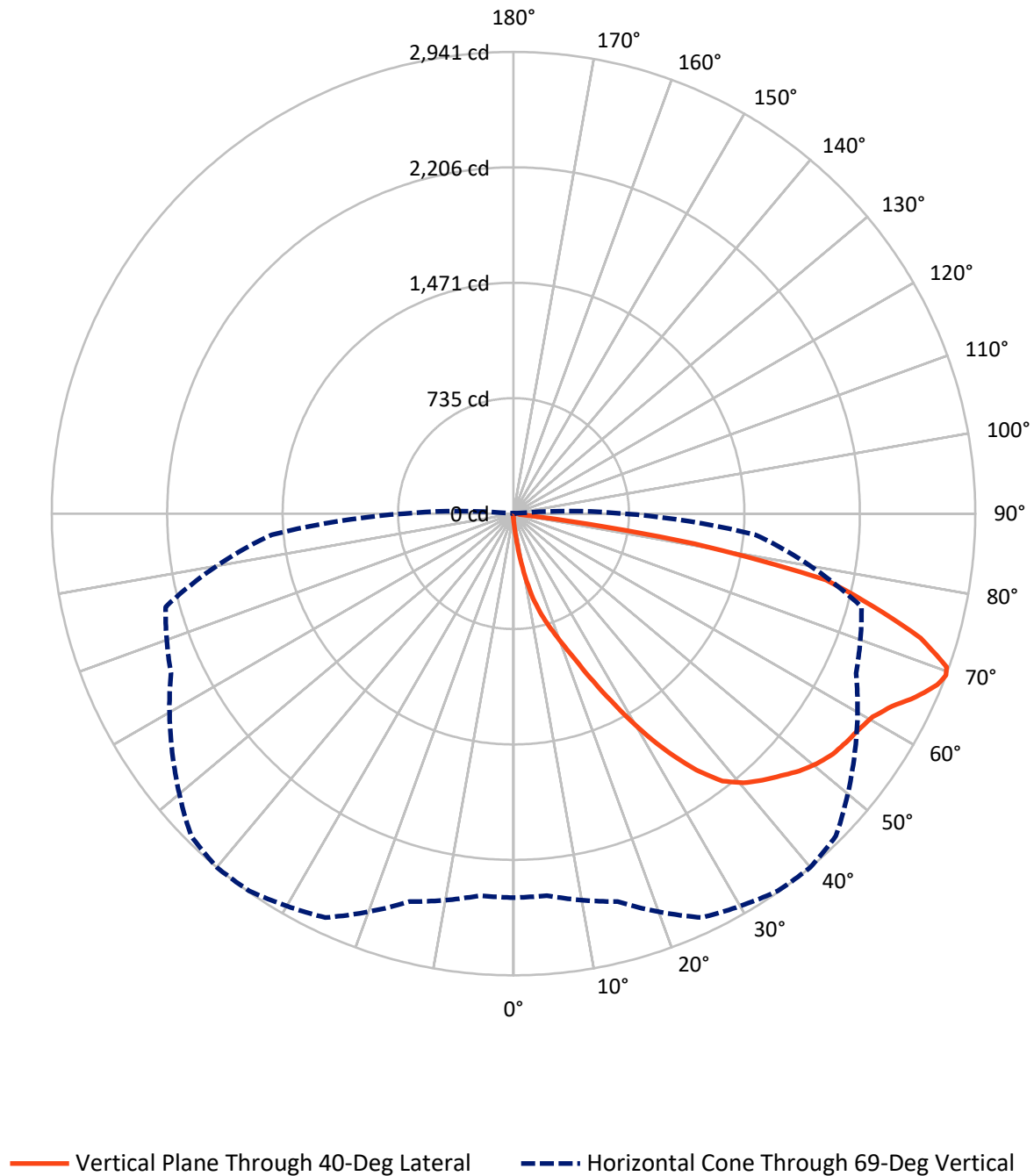
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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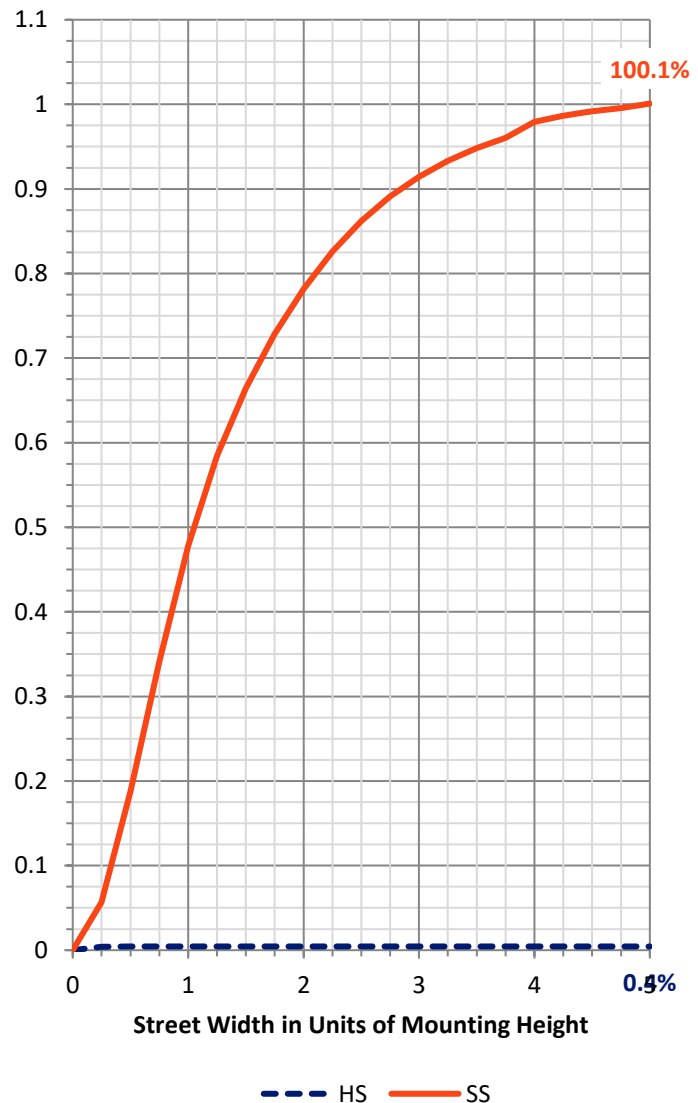
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21.1	0.0	21.1
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4787.1	0.0	4787.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	4808.1	0.0	4808.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.2
10°-20°	76.8	1.6
20°-30°	231.3	4.8
30°-40°	509.2	10.6
40°-50°	782.5	16.3
50°-60°	963.6	20.0
60°-70°	1216.5	25.3
70°-80°	935.8	19.5
80°-90°	82.2	1.7
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°	4808.1	100.0
0°-180°	4808.1	100.0

Coefficient of Utilization



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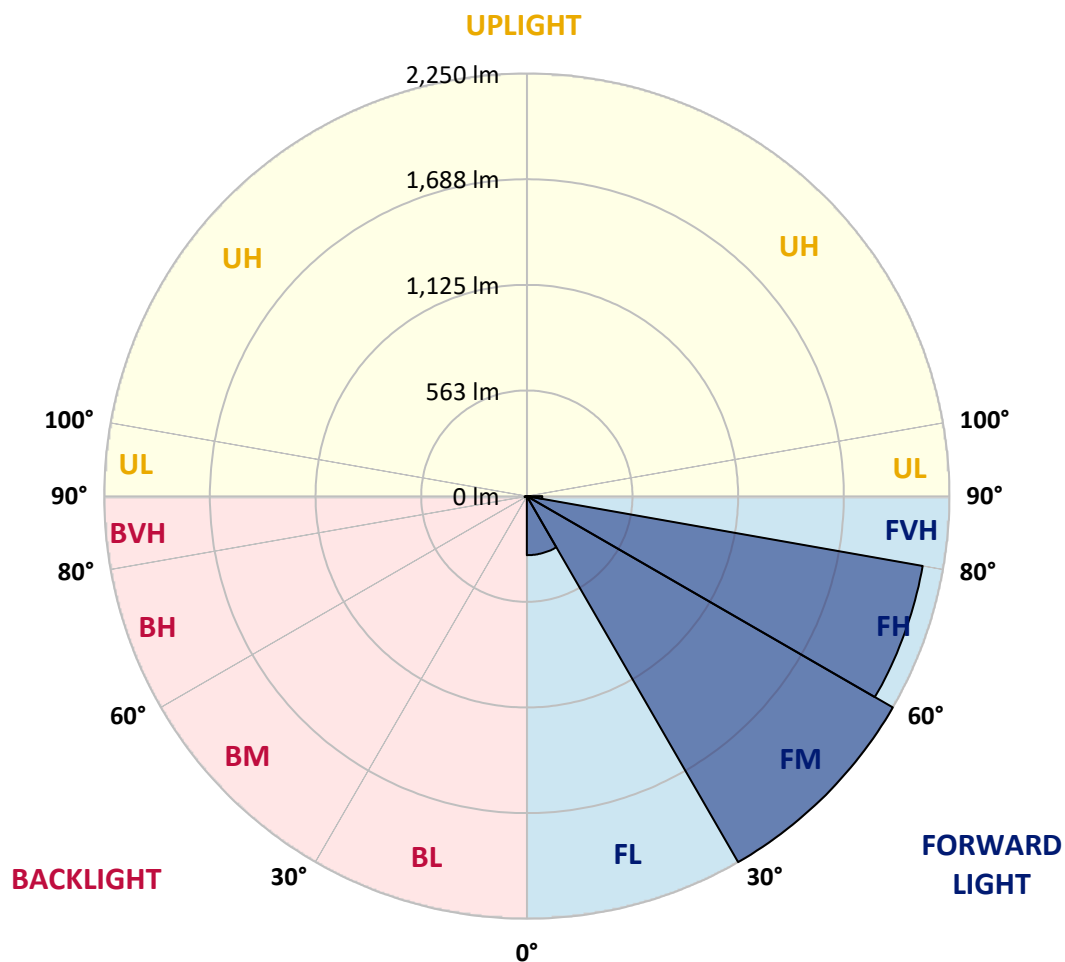
CATALOG NUMBER: GPC-SA1D-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	314.6	6.5			
FM	(30°-60°)	2250.2	46.8			
FH	(60°-80°)	2140.2	44.5			G2/5000
FVH	(80°-90°)	82.0	1.7			G1/100
BL	(0°-30°)	3.6	0.1	B0/110		
BM	(30°-60°)	5.2	0.1	B0/220		
BH	(60°-80°)	12.1	0.3	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
2.5°	78.5	77.6	74.0	69.4	65.8	63.1	59.5	54.1	48.7	42.4	37.9
5°	205.6	204.7	190.3	172.3	147.9	131.7	115.4	89.3	67.6	52.3	39.7
7.5°	380.6	377.9	364.4	336.4	285.0	257.0	227.3	159.6	103.7	64.9	42.4
10°	553.7	551.9	534.8	494.2	438.3	410.3	370.7	272.4	163.2	84.8	46.0
12.5°	655.7	660.2	647.5	628.6	580.8	554.6	509.6	395.9	250.7	116.3	50.5
15°	739.5	741.3	729.6	717.9	691.7	670.1	632.2	527.6	355.3	158.7	55.9
17.5°	843.2	840.5	827.9	814.4	785.5	769.3	744.9	649.3	467.2	219.2	63.1
20°	974.9	967.7	953.3	929.8	898.3	878.4	853.2	773.8	579.0	285.9	72.1
22.5°	1143.6	1134.5	1119.2	1097.6	1041.6	1011.0	978.5	880.2	702.5	370.7	83.9
25°	1338.4	1333.9	1317.6	1287.0	1227.4	1186.8	1134.5	1004.7	825.2	460.9	98.3
27.5°	1567.4	1559.3	1537.7	1501.6	1437.6	1384.4	1319.4	1141.8	942.4	556.4	116.3
30°	1823.6	1805.5	1761.3	1729.8	1654.9	1602.6	1526.9	1323.9	1063.3	656.6	135.3
32.5°	2061.7	2038.2	1974.2	1930.9	1861.4	1814.5	1745.1	1507.9	1199.5	761.2	159.6
35°	2277.2	2251.9	2148.2	2082.4	2047.2	2007.5	1937.2	1718.0	1346.5	873.0	187.6
37.5°	2459.4	2434.1	2300.6	2196.9	2175.3	2161.8	2104.9	1895.7	1513.3	999.3	220.1
40°	2561.3	2545.1	2429.6	2312.4	2270.9	2254.7	2213.2	2044.5	1699.1	1125.5	257.9
42.5°	2592.9	2582.9	2489.1	2431.4	2355.7	2323.2	2273.6	2158.2	1858.7	1267.1	301.2
45°	2575.7	2564.9	2496.4	2509.9	2446.7	2383.6	2316.0	2235.7	1993.1	1434.0	355.3
47.5°	2502.7	2499.1	2452.2	2528.8	2521.6	2449.5	2365.6	2287.1	2108.6	1595.4	423.0
50°	2324.1	2322.3	2343.9	2502.7	2571.2	2503.6	2419.7	2333.1	2200.5	1756.8	509.6
52.5°	2083.3	2095.9	2205.0	2454.0	2585.6	2546.0	2473.8	2385.4	2276.3	1918.3	625.9
55°	1956.1	1967.0	2110.4	2400.8	2582.9	2571.2	2528.8	2435.9	2345.7	2050.8	781.0
57.5°	2052.6	2040.9	2106.7	2393.5	2571.2	2592.9	2568.5	2475.6	2408.9	2168.1	995.7
60°	2235.7	2232.1	2240.2	2444.9	2595.6	2628.0	2610.9	2502.7	2471.1	2257.4	1231.9
62.5°	2420.6	2410.7	2418.8	2586.5	2680.3	2702.9	2682.1	2546.9	2519.8	2322.3	1488.1
65°	2512.6	2505.4	2543.2	2729.0	2801.2	2816.5	2789.5	2618.1	2527.9	2355.7	1649.5
67.5°	2500.9	2499.1	2587.4	2829.1	2902.2	2911.2	2888.7	2689.3	2493.6	2354.8	1666.6
69°	2445.8	2442.2	2558.6	2839.1	2934.7	2941.0	2904.0	2653.3	2407.1	2294.3	1544.9
70°	2380.9	2384.5	2516.2	2821.0	2935.6	2926.5	2840.9	2601.9	2341.2	2224.9	1389.8
72.5°	2139.2	2161.8	2342.1	2702.9	2812.0	2711.0	2599.2	2433.2	2215.9	1896.6	970.4
75°	1789.3	1820.9	2053.5	2457.6	2417.9	2367.4	2353.9	2227.6	2007.5	1259.9	689.9
77.5°	874.8	979.4	1457.4	1887.6	1984.1	2035.5	2016.6	1841.6	1613.4	618.7	450.0
80°	46.0	47.8	76.7	180.4	919.0	1168.8	1437.6	1406.0	1221.1	282.3	237.2
82.5°	24.4	24.4	27.1	31.6	37.0	44.2	117.2	805.4	726.0	145.2	88.4
85°	13.5	13.5	16.2	21.6	28.0	32.5	37.0	48.7	156.0	52.3	14.4
87.5°	6.3	8.1	10.8	15.3	19.8	25.3	28.9	36.1	46.0	44.2	2.7
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: GPC-SA1D-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
2.5°	35.2	33.4	30.7	28.9	28.0	26.2	24.4	23.4	22.5	21.6	22.5
5°	35.2	32.5	28.0	25.3	23.4	20.7	18.9	18.0	17.1	16.2	16.2
7.5°	35.2	30.7	25.3	21.6	18.9	17.1	14.4	13.5	12.6	11.7	11.7
10°	36.1	28.9	22.5	18.9	16.2	13.5	11.7	9.9	9.0	9.0	9.0
12.5°	36.1	27.1	19.8	16.2	13.5	10.8	8.1	6.3	5.4	5.4	5.4
15°	36.1	25.3	18.0	13.5	10.8	8.1	4.5	2.7	1.8	1.8	0.9
17.5°	37.0	24.4	16.2	11.7	8.1	4.5	0.9	0.0	0.0	0.0	0.0
20°	38.8	23.4	14.4	9.9	5.4	1.8	0.0	0.0	0.0	0.0	0.0
22.5°	40.6	22.5	12.6	7.2	2.7	0.9	0.0	0.0	0.0	0.0	0.0
25°	44.2	22.5	11.7	6.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	47.8	22.5	9.0	3.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
30°	50.5	22.5	8.1	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	54.1	22.5	7.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	56.8	21.6	5.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	59.5	20.7	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	63.1	19.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	66.7	18.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	71.2	17.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	77.6	16.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	86.6	16.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	101.9	16.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	127.2	16.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	171.4	16.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	257.9	16.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	398.6	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	609.7	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	772.9	26.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69°	698.0	24.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	591.6	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	329.2	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	171.4	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	73.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	21.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.2	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.7	1.8	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	0.9	0.9	0.9	0.9	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

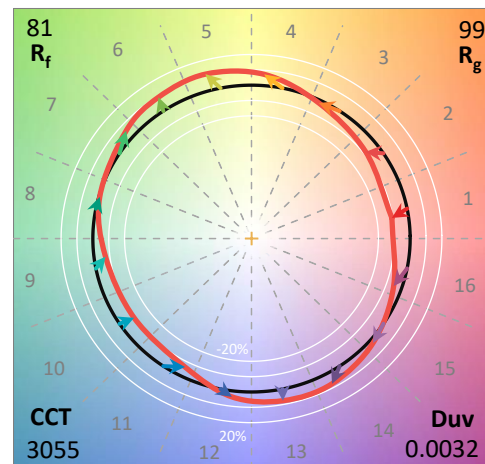
Test Information

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

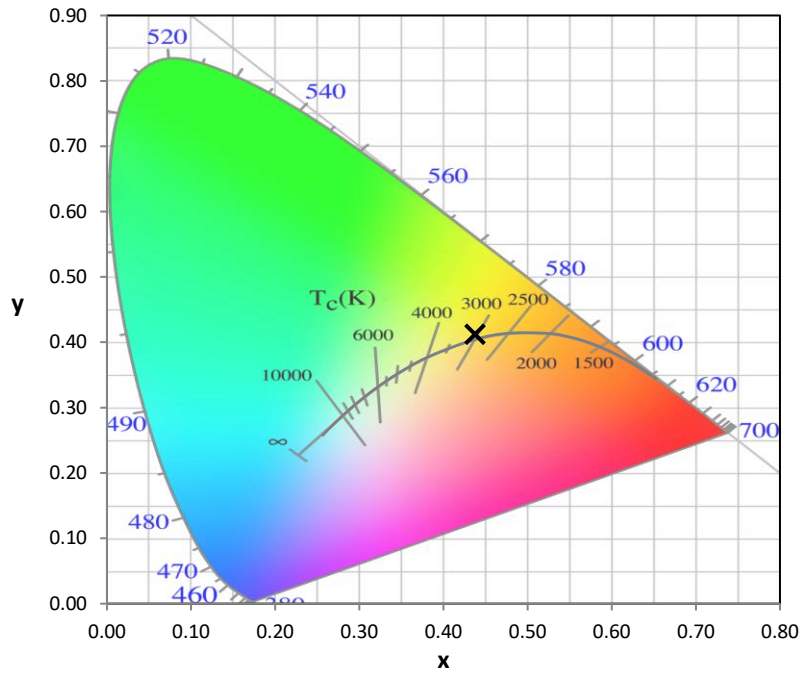
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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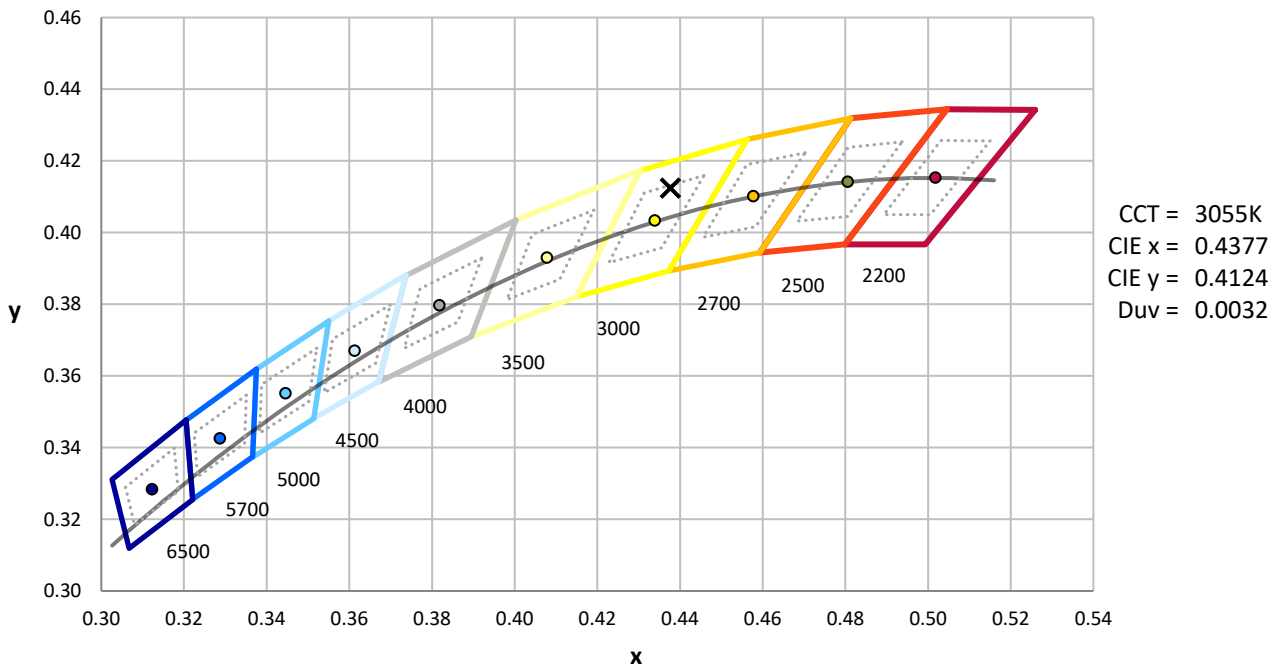
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



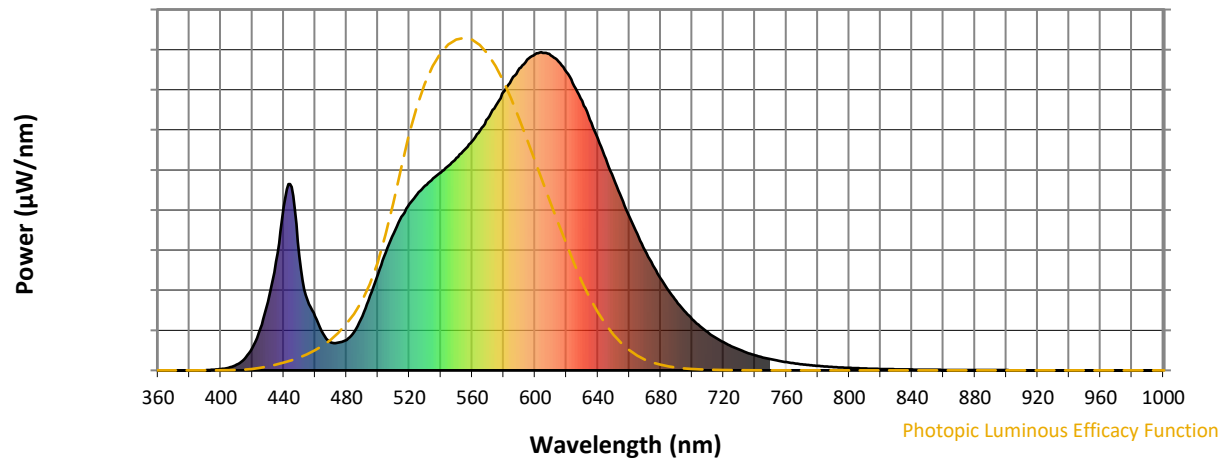
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

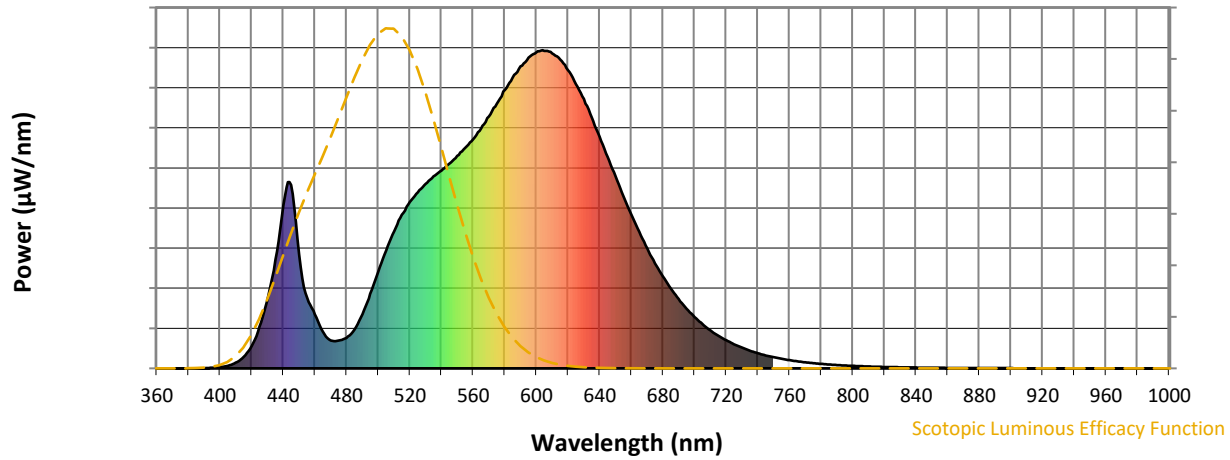


Photopic Lumens: NR

λ (nm)	Power 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



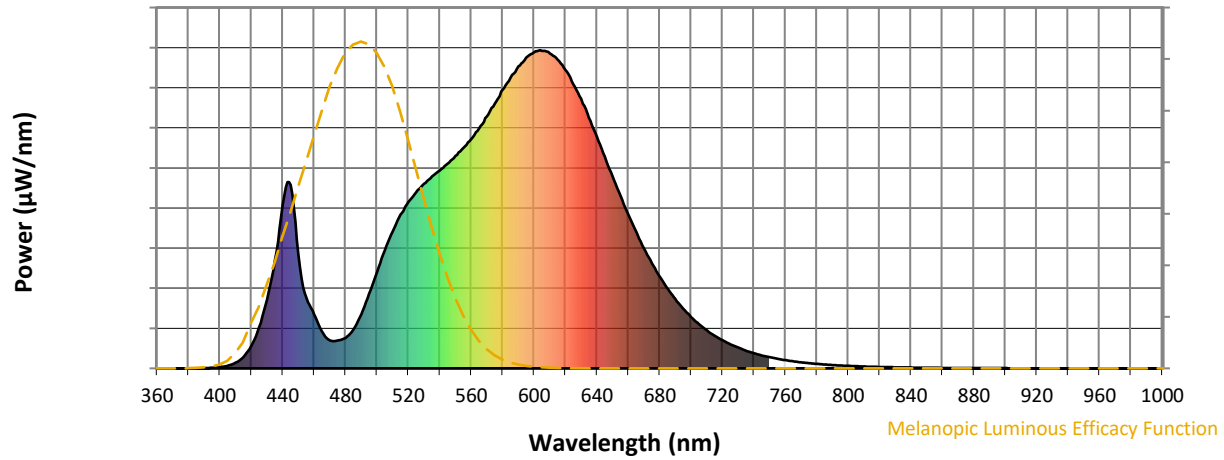
Scotopic Lumens: NR

S/P: 1.28

λ (nm)	Power W [^] /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

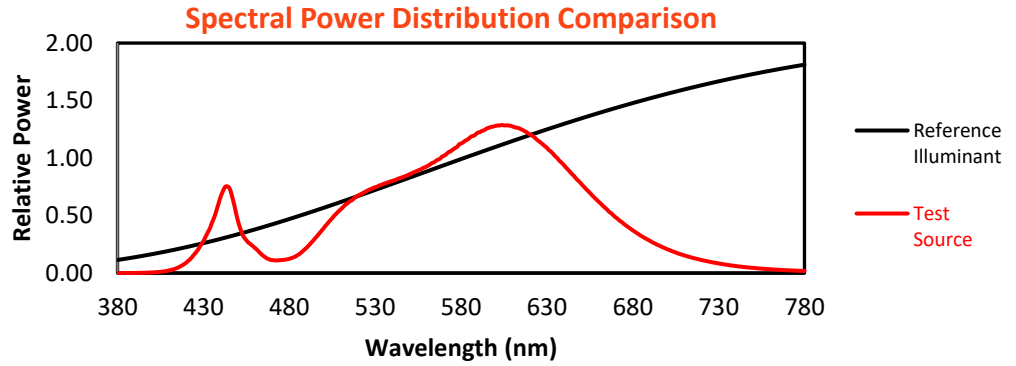
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938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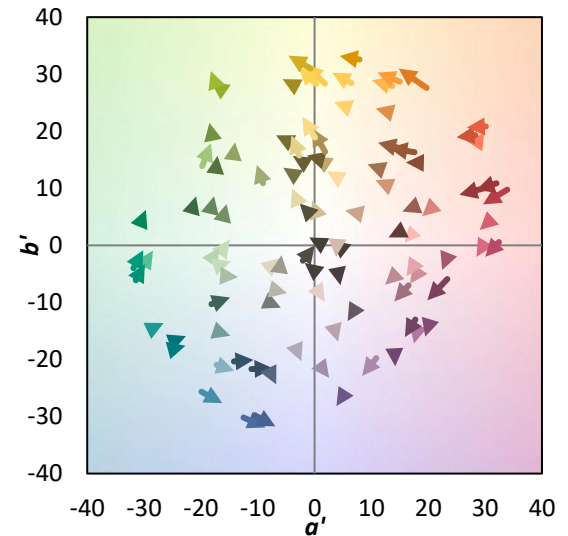
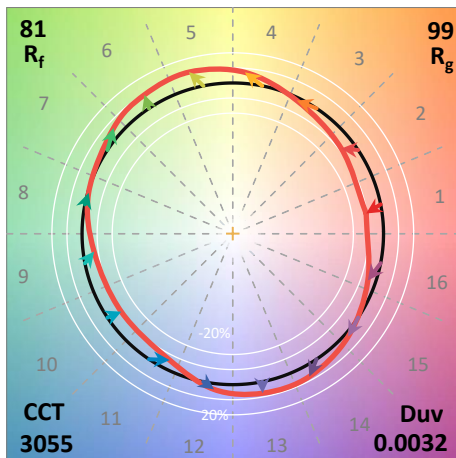
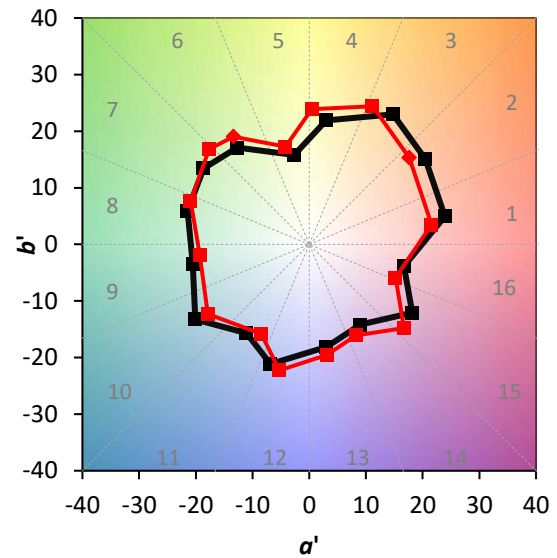
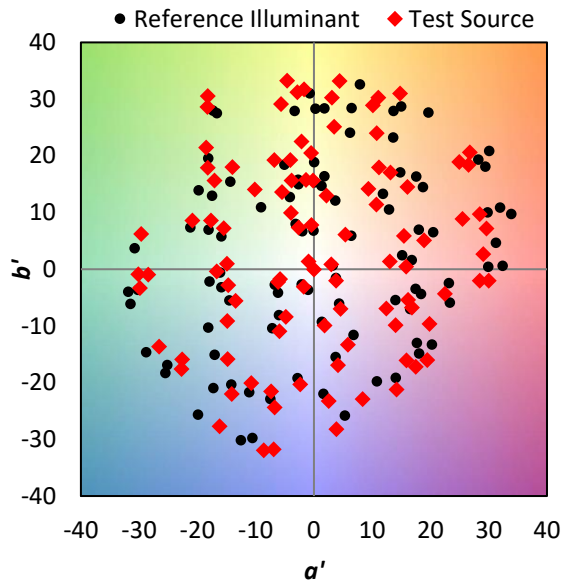
TM-30-18

Summary

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

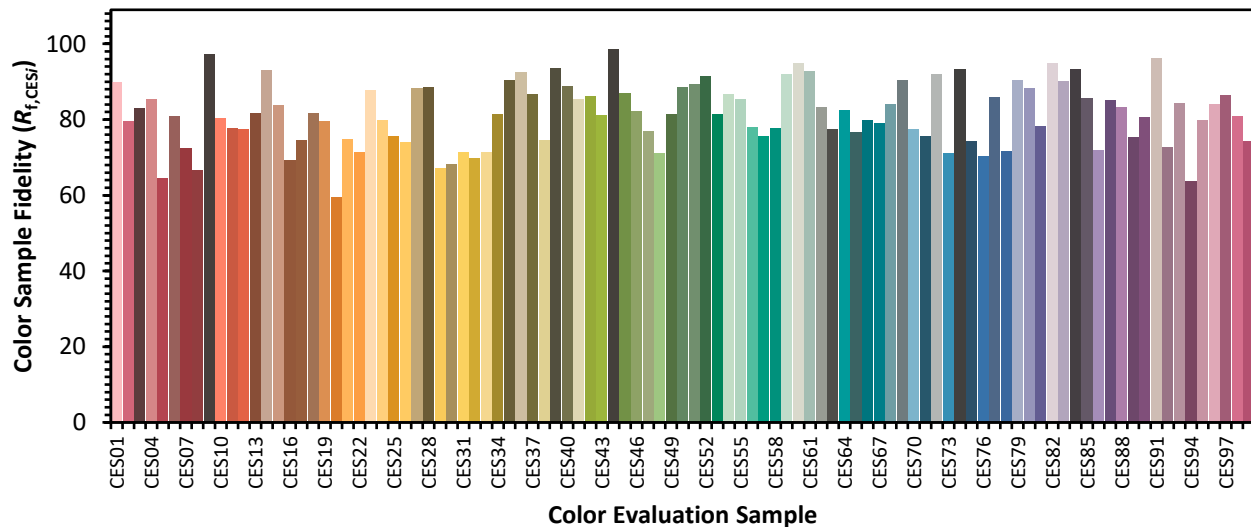


Color Vector Graphics

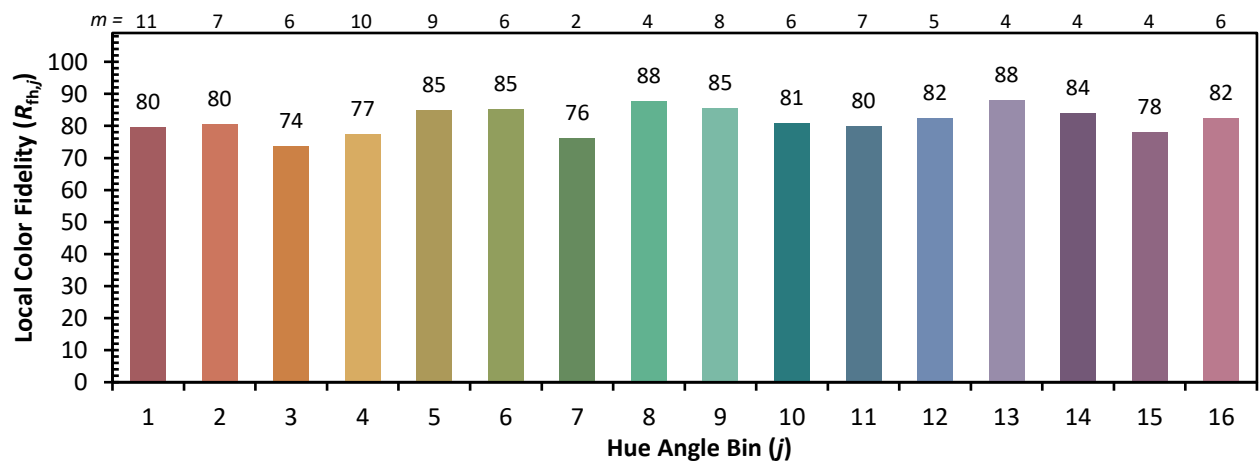
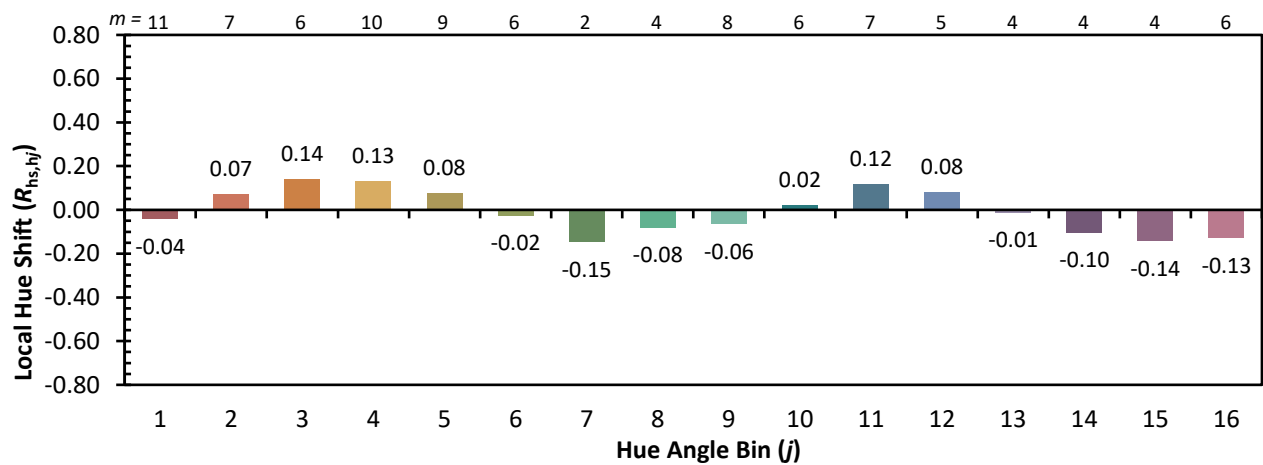
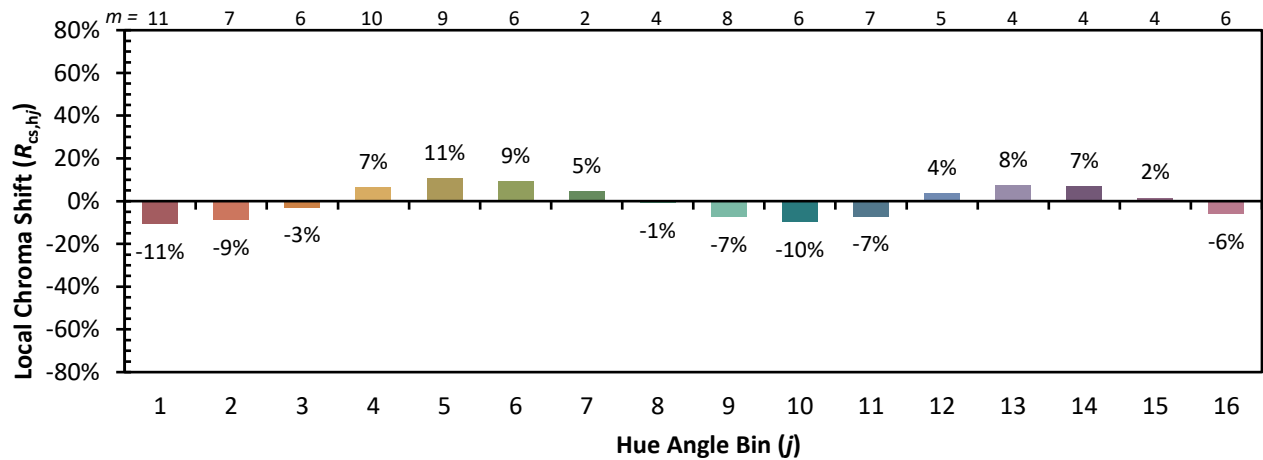


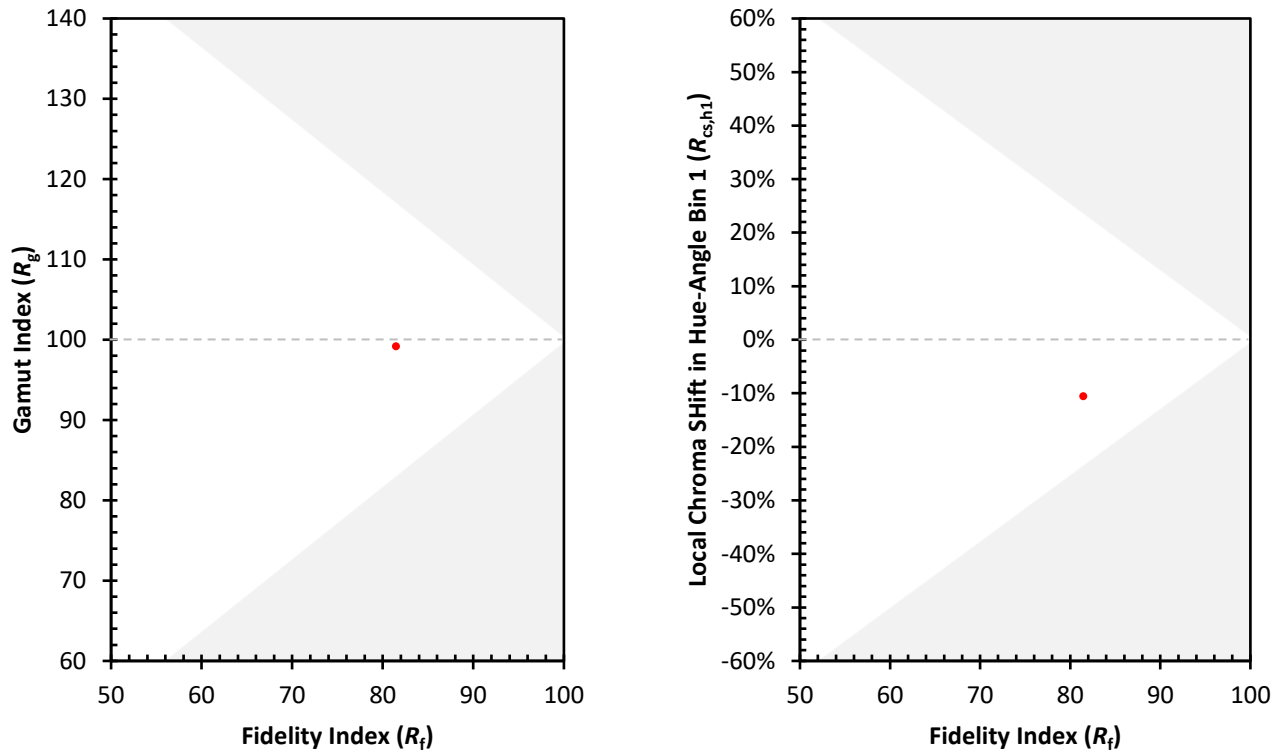
Individual Sample Fidelity Index ($R_{f,i}$)

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)