

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: P1062962

Luminaire Tested: **GLAN-SA7B-830-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1062962
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7B-830-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 7xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (98) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29417.7 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 249.5
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

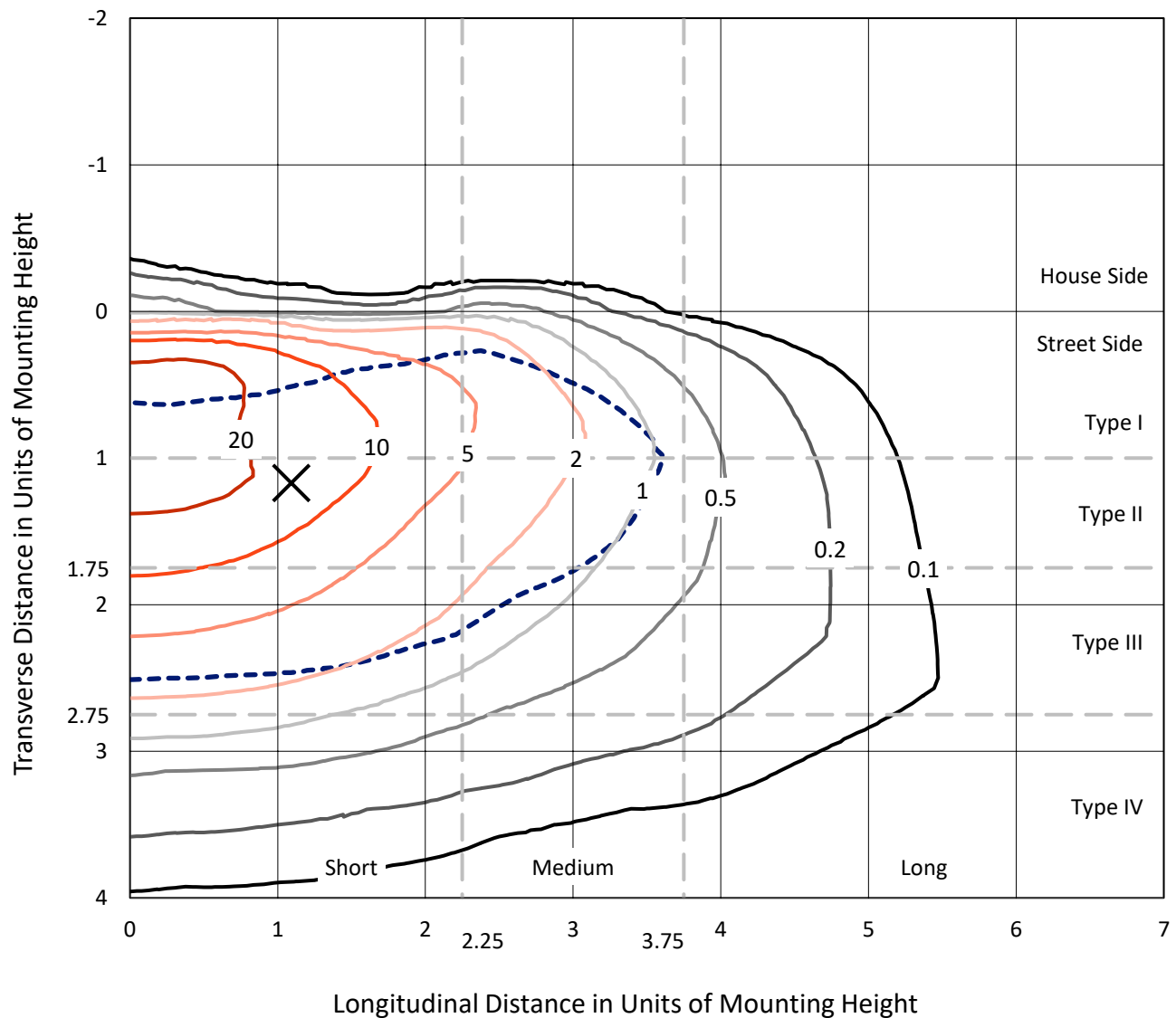


REPORT NUMBER: P1062962

CATALOG NUMBER: GLAN-SA7B-830-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

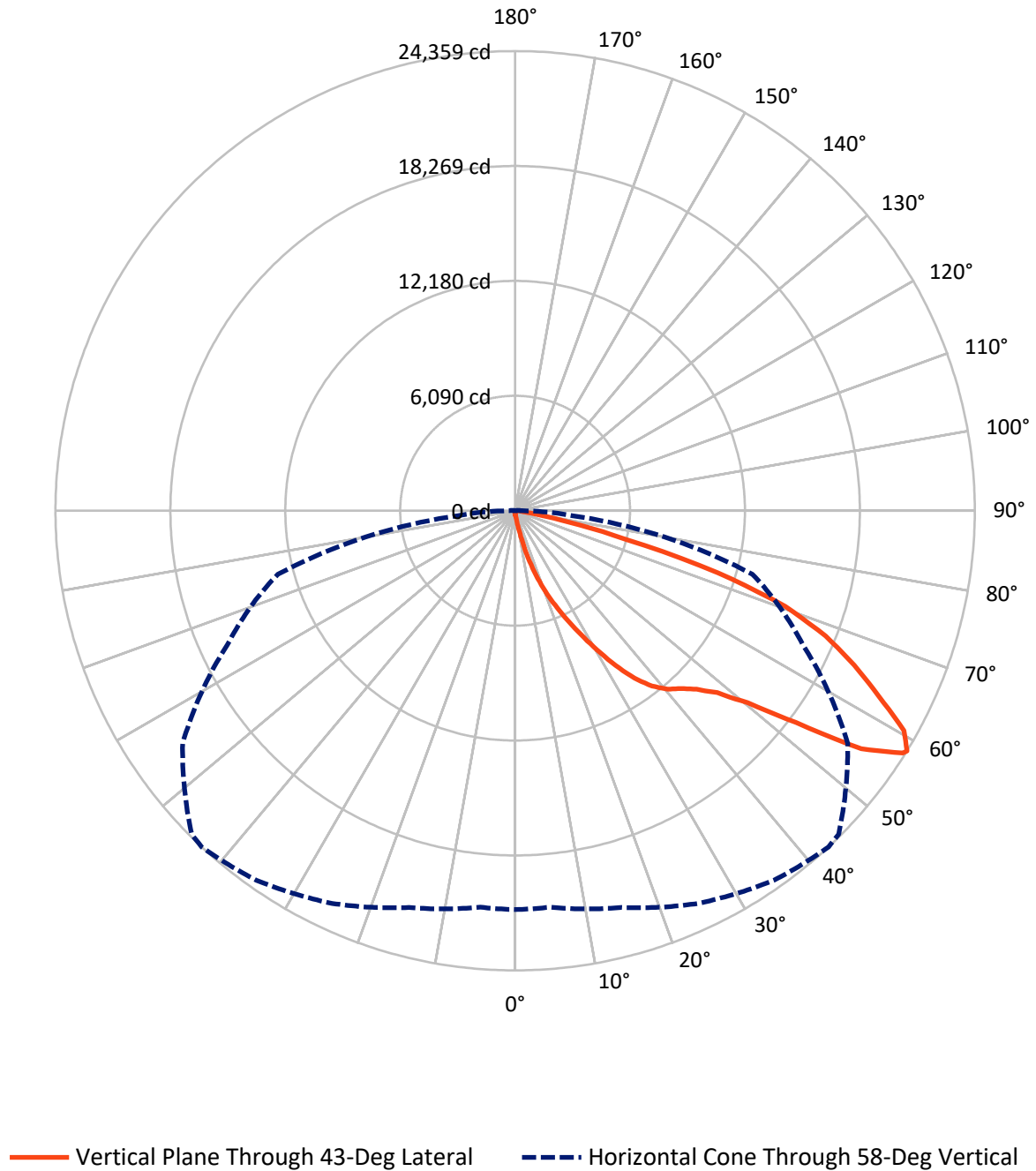


Based on 15 foot mounting height. Maximum calculated value = 33 fc
 Type III - Short - N/A

REPORT NUMBER: P1062962

CATALOG NUMBER: GLAN-SA7B-830-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1062962

CATALOG NUMBER: GLAN-SA7B-830-U-T3BC

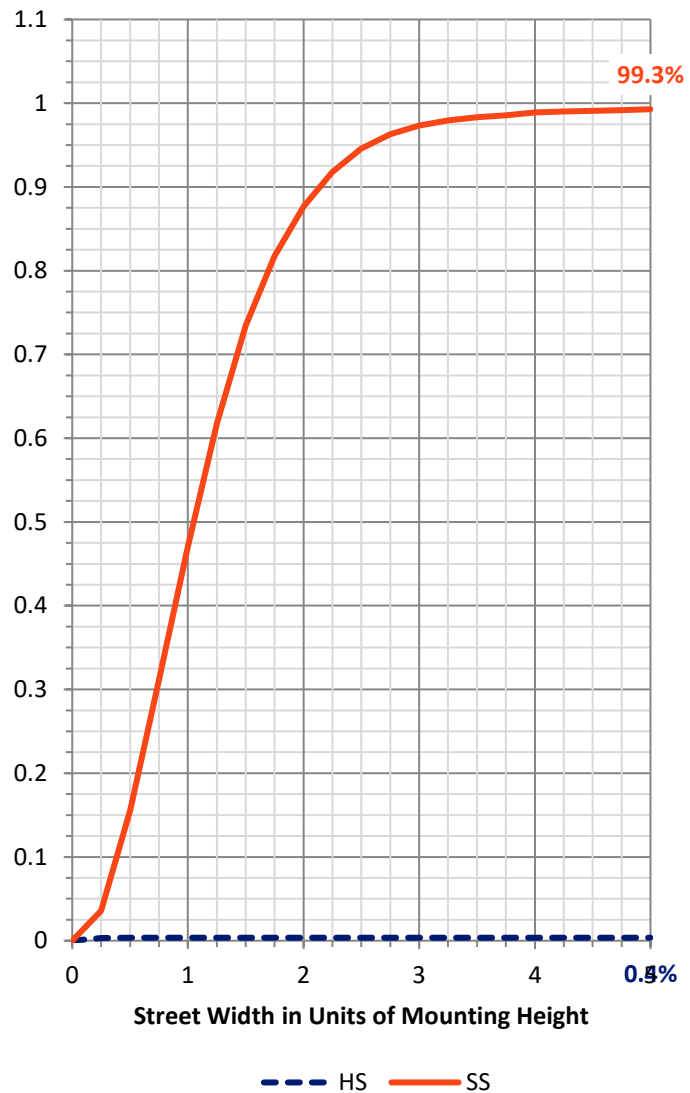
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	107.4	0.0	107.4
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	29310.2	0.0	29310.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	29417.7	0.0	29417.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	0.1
10°-20°	338.1	1.1
20°-30°	1218.8	4.1
30°-40°	2788.6	9.5
40°-50°	4703.3	16.0
50°-60°	7761.6	26.4
60°-70°	8674.6	29.5
70°-80°	3581.6	12.2
80°-90°	322.9	1.1
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°	29417.7	100.0
0°-180°	29417.7	100.0



REPORT NUMBER: P1062962

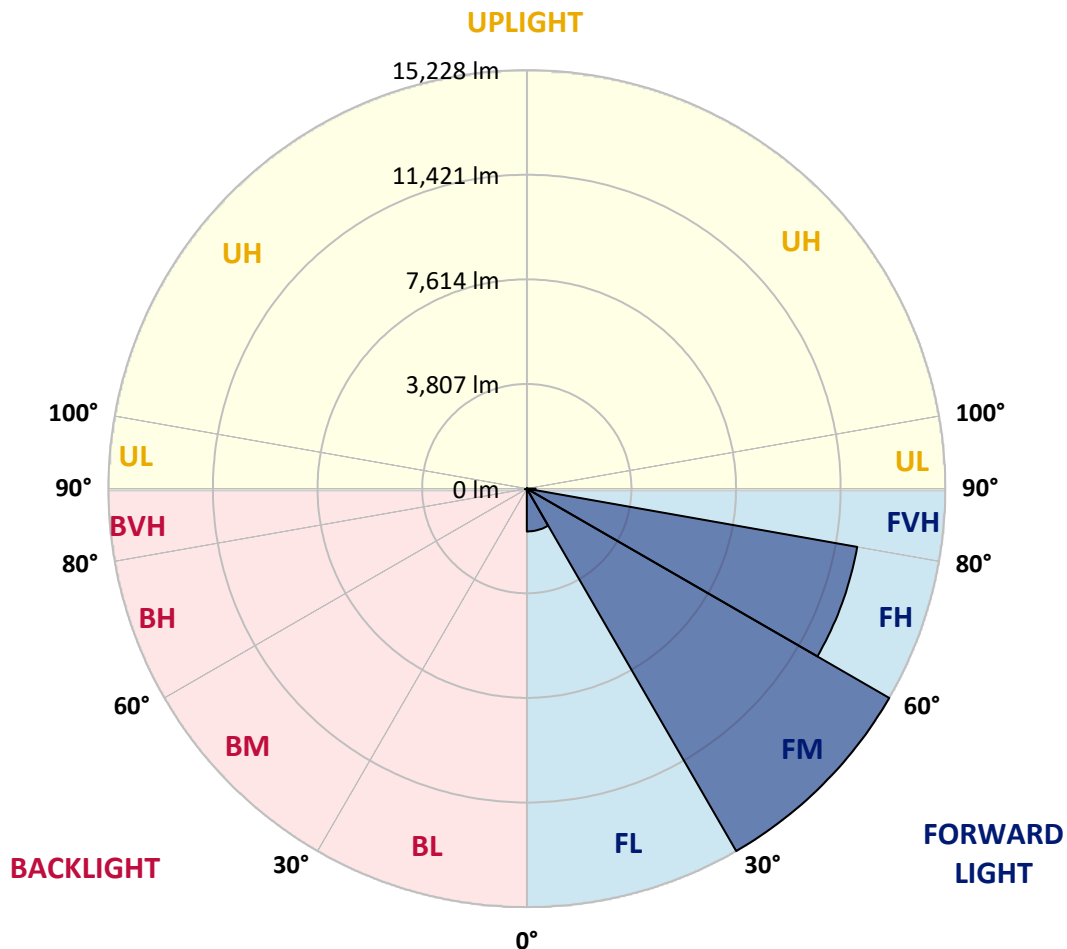
CATALOG NUMBER: GLAN-SA7B-830-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1557.1	5.3			
FM	(30°-60°)	15227.7	51.8			
FH	(60°-80°)	12207.0	41.5			G5
FVH	(80°-90°)	318.4	1.1			G3/500
BL	(0°-30°)	28.0	0.1	B0/110		
BM	(30°-60°)	25.8	0.1	B0/220		
BH	(60°-80°)	49.2	0.2	B0/110		G0/110
BVH	(80°-90°)	4.4	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-G5

Type III Short



REPORT NUMBER: P1062962

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3
2.5°	230.8	238.5	230.8	230.8	230.8	223.1	223.1	215.4	215.4	207.7	200.0
5°	338.5	338.5	315.5	300.1	284.7	277.0	269.3	253.9	238.5	223.1	207.7
7.5°	754.0	754.0	684.8	592.4	469.3	400.1	384.7	315.5	269.3	238.5	207.7
10°	1800.4	1800.4	1646.5	1392.6	1077.1	800.2	715.5	453.9	323.1	253.9	215.4
12.5°	2992.9	3031.4	2839.1	2515.9	2046.6	1561.9	1392.6	830.9	430.9	277.0	215.4
15°	4062.4	3970.1	3916.2	3608.5	3162.2	2585.2	2369.7	1400.3	623.2	315.5	215.4
17.5°	4785.6	4785.6	4708.7	4500.9	4093.2	3585.4	3408.4	2262.0	1007.9	361.6	223.1
20°	5632.0	5632.0	5493.5	5347.3	4985.7	4554.8	4385.5	3216.1	1561.9	461.6	223.1
22.5°	6655.2	6670.6	6516.8	6255.2	5908.9	5431.9	5285.7	4100.9	2262.0	615.5	230.8
25°	7901.7	7917.0	7693.9	7447.7	6916.8	6401.3	6178.2	5116.5	3116.0	861.7	230.8
27.5°	9278.9	9386.6	9055.8	8632.6	8070.9	7424.6	7255.4	6032.0	3962.4	1215.6	246.2
30°	10994.6	10994.6	10556.1	9963.6	9355.8	8555.6	8340.2	6993.8	4862.6	1685.0	261.6
32.5°	12471.9	12356.4	11794.8	11171.6	10525.3	9779.0	9548.2	8001.7	5785.8	2269.7	292.4
35°	13602.9	13502.8	12810.4	12141.0	11579.4	10894.6	10617.6	9094.2	6763.0	2931.4	338.5
37.5°	14572.3	14533.8	13595.2	12756.5	12387.2	11787.1	11540.9	10125.2	7724.7	3646.9	392.4
40°	15634.1	15511.0	14510.7	13472.1	12918.1	12433.4	12210.3	10956.1	8648.0	4485.6	469.3
42.5°	16541.9	16395.8	15495.6	14480.0	13533.6	12879.6	12664.2	11656.3	9548.2	5324.2	569.4
45°	17549.8	17472.9	16565.0	15795.6	14533.8	13487.5	13202.8	12218.0	10371.4	6324.4	700.1
47.5°	19065.5	18927.1	18080.7	17449.8	15988.0	14410.7	14002.9	12795.0	11163.9	7309.2	900.2
50°	20827.5	20735.1	20235.0	19734.9	18280.8	15988.0	15503.3	13625.9	12048.7	8478.7	1161.8
52.5°	22266.2	22250.8	22312.4	22320.1	21219.8	18642.4	17919.2	14964.7	13064.3	9632.8	1531.1
55°	22235.4	22304.7	22981.8	23758.8	23843.5	22266.2	21566.1	17219.0	14387.6	11056.2	2046.6
57.5°	21404.5	21350.6	22066.2	23235.7	24058.9	24228.2	24112.8	20719.7	16380.4	12771.9	2839.1
58°	21135.2	21089.0	21766.1	22958.7	23905.0	24359.0	24243.6	21512.2	16826.6	13018.1	3054.5
60°	20158.1	20165.8	20565.9	21650.7	22597.1	23674.2	23781.9	23774.2	19050.2	14664.6	4139.3
62.5°	18865.5	18804.0	19173.3	20058.1	20889.0	21612.2	21796.9	23928.1	22304.7	16757.4	6209.0
65°	17080.5	16988.2	17380.6	18380.8	19273.3	19742.6	19750.3	21866.1	23835.8	19004.0	9163.5
67.5°	13764.4	13687.5	14472.3	15757.2	17134.4	17749.9	18026.9	18973.2	22543.2	20527.4	10856.1
70°	8432.5	8594.1	9686.7	11702.5	14056.8	15187.8	15603.3	15895.7	19196.3	20296.6	9078.8
72.5°	3893.1	3700.8	4631.7	6039.7	8724.9	11240.8	11671.7	12818.1	15218.6	17619.1	6770.7
75°	1815.8	1746.5	1962.0	2639.0	3954.7	6070.5	6855.3	10232.9	11671.7	12256.4	4885.6
77.5°	931.0	938.7	1115.6	1200.3	1631.1	2808.3	3223.8	6732.2	8555.6	6839.9	3277.6
80°	407.8	423.2	430.9	469.3	661.7	1084.8	1223.3	3123.7	5847.4	3485.3	1792.7
82.5°	261.6	269.3	269.3	269.3	315.5	430.9	492.4	1254.1	2916.0	1731.1	554.0
85°	138.5	138.5	153.9	192.3	223.1	261.6	277.0	400.1	961.7	515.5	130.8
87.5°	76.9	84.6	92.3	115.4	146.2	177.0	192.3	277.0	369.3	353.9	30.8
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: P1062962

CATALOG NUMBER: GLAN-SA7B-830-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3
2.5°	200.0	192.3	184.7	177.0	169.3	161.6	161.6	161.6	161.6	161.6	161.6
5°	192.3	184.7	177.0	161.6	146.2	138.5	130.8	123.1	123.1	123.1	123.1
7.5°	192.3	184.7	161.6	146.2	130.8	115.4	100.0	100.0	100.0	100.0	100.0
10°	192.3	177.0	153.9	130.8	107.7	92.3	84.6	76.9	76.9	76.9	76.9
12.5°	192.3	169.3	146.2	115.4	92.3	76.9	69.2	61.6	61.6	61.6	61.6
15°	192.3	169.3	138.5	107.7	84.6	61.6	53.9	46.2	46.2	46.2	46.2
17.5°	184.7	161.6	130.8	92.3	69.2	46.2	38.5	30.8	30.8	38.5	38.5
20°	177.0	153.9	115.4	76.9	53.9	38.5	23.1	23.1	23.1	23.1	23.1
22.5°	177.0	153.9	107.7	69.2	46.2	23.1	15.4	15.4	15.4	15.4	23.1
25°	177.0	146.2	92.3	53.9	30.8	15.4	7.7	7.7	7.7	7.7	7.7
27.5°	177.0	146.2	84.6	46.2	23.1	15.4	7.7	0.0	0.0	0.0	0.0
30°	169.3	138.5	76.9	38.5	15.4	7.7	0.0	0.0	0.0	0.0	0.0
32.5°	169.3	130.8	61.6	30.8	15.4	7.7	0.0	0.0	0.0	0.0	0.0
35°	177.0	123.1	53.9	23.1	7.7	0.0	0.0	0.0	0.0	0.0	7.7
37.5°	184.7	115.4	46.2	15.4	7.7	0.0	0.0	0.0	0.0	0.0	0.0
40°	192.3	107.7	46.2	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	207.7	107.7	38.5	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	223.1	107.7	30.8	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	253.9	115.4	30.8	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	277.0	123.1	23.1	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	307.8	115.4	23.1	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	346.2	115.4	23.1	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	377.0	107.7	23.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	392.4	100.0	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	469.3	92.3	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	730.9	76.9	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1484.9	69.2	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2769.8	61.6	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3100.7	69.2	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1954.3	53.9	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1031.0	53.9	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	515.5	53.9	7.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	238.5	38.5	7.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	100.0	23.1	15.4	7.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	46.2	23.1	15.4	15.4	7.7	7.7	0.0	0.0	0.0	0.0	0.0
87.5°	23.1	23.1	23.1	15.4	15.4	7.7	7.7	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

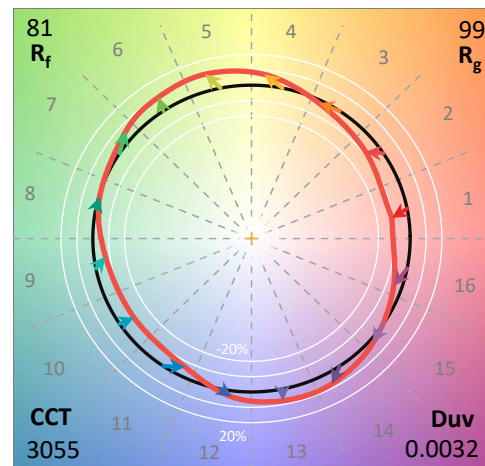
Test Information

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

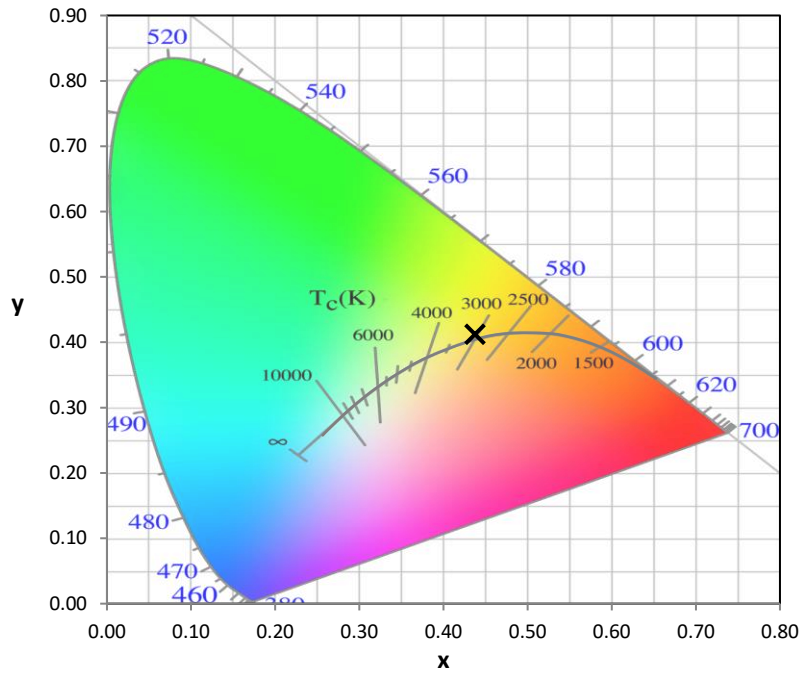
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

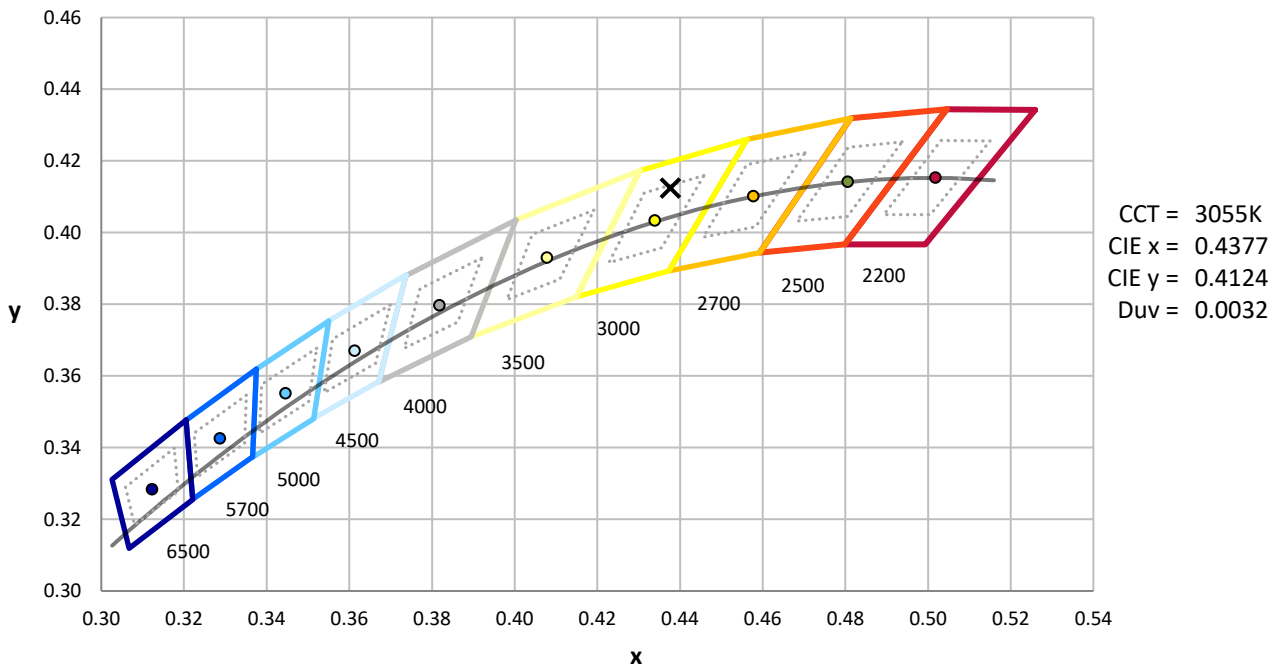
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



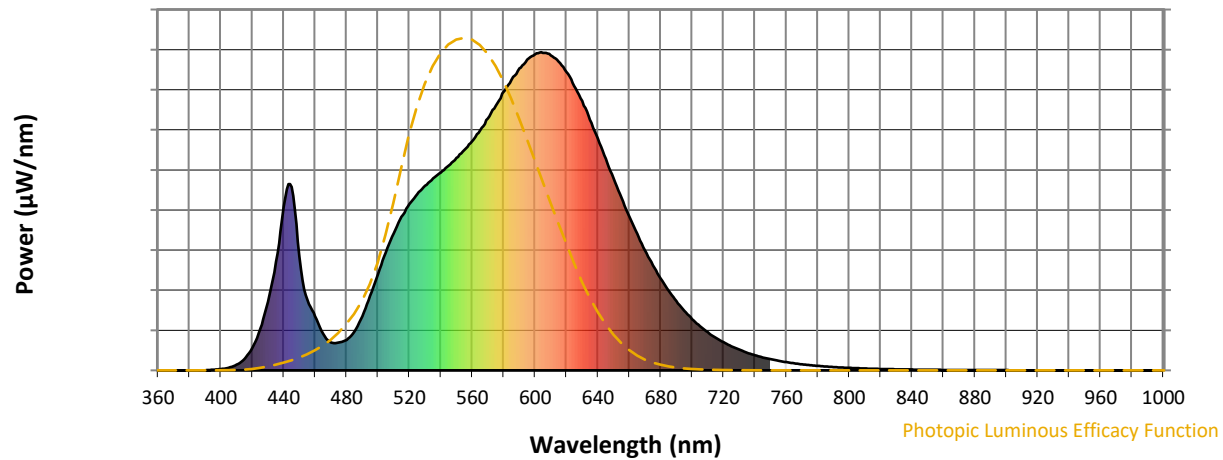
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

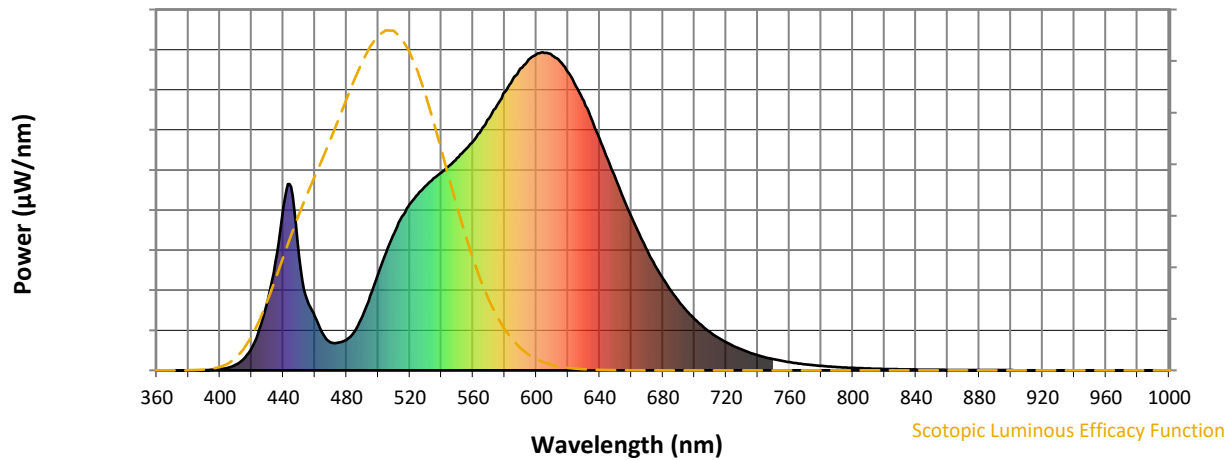


Photopic Lumens: NR

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



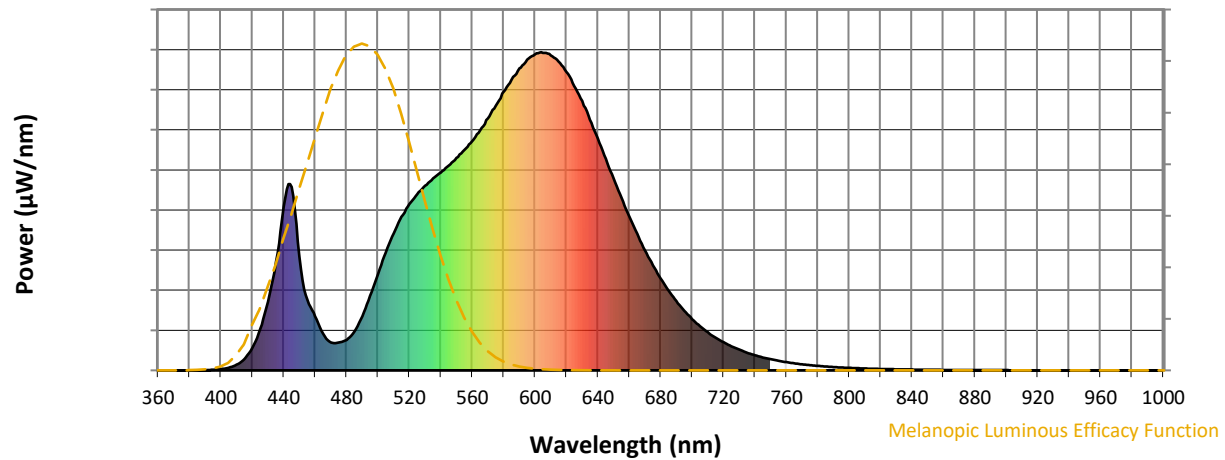
Scotopic Lumens: NR

S/P: 1.28

λ (nm)	Power W ^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

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.33

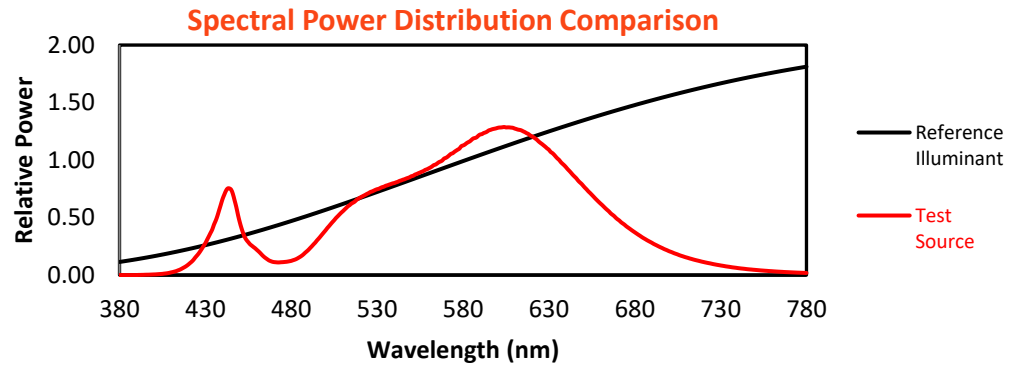
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938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

REPORT NUMBER: SP1-2407-184-9

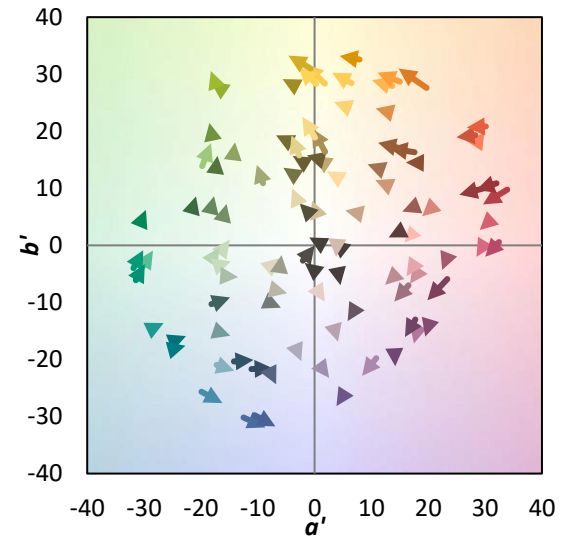
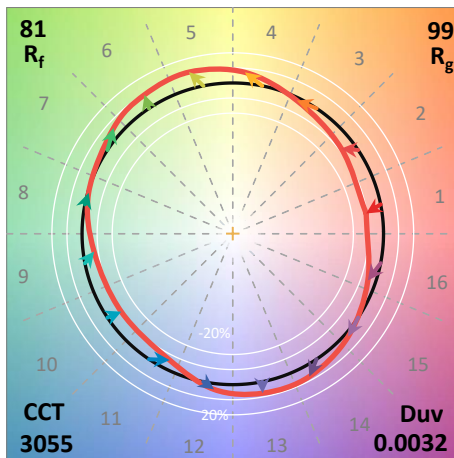
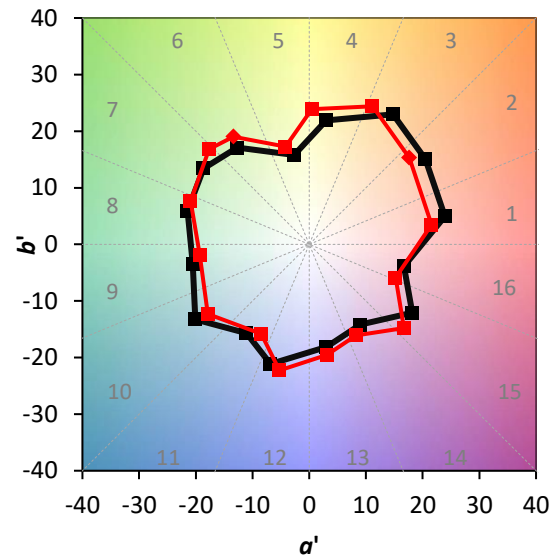
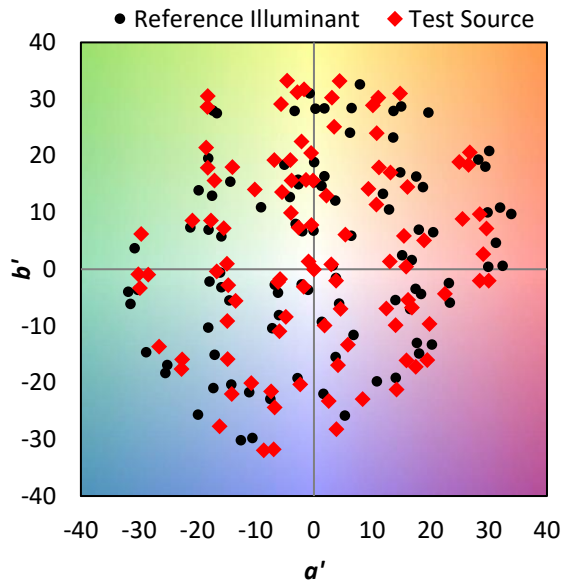
TM-30-18

Summary

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

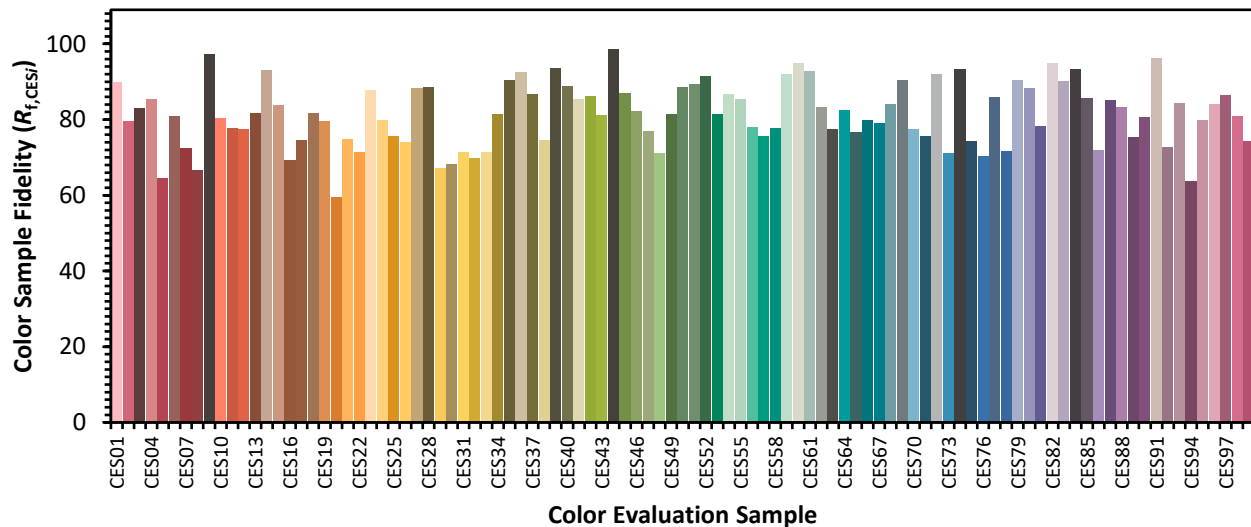


Color Vector Graphics

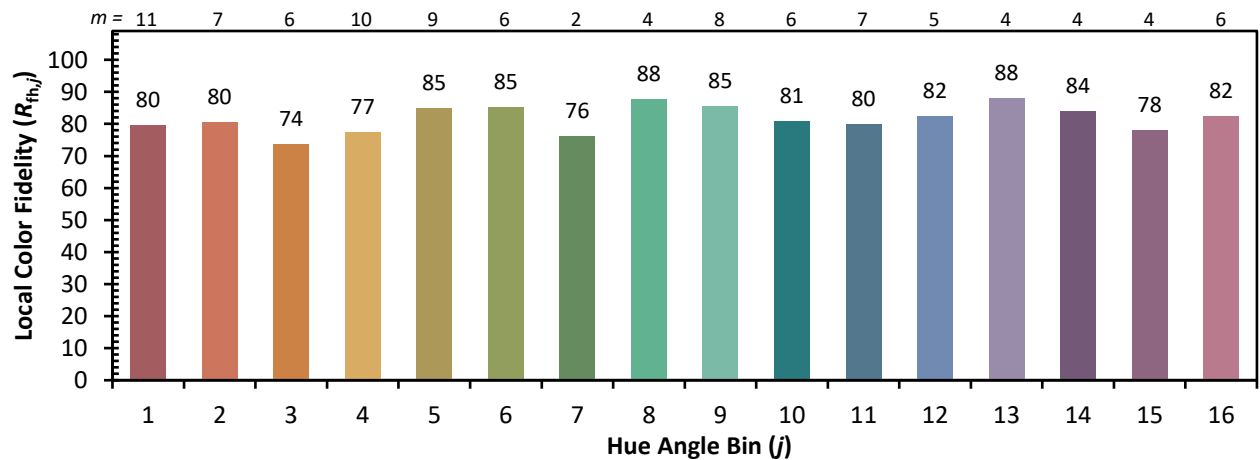
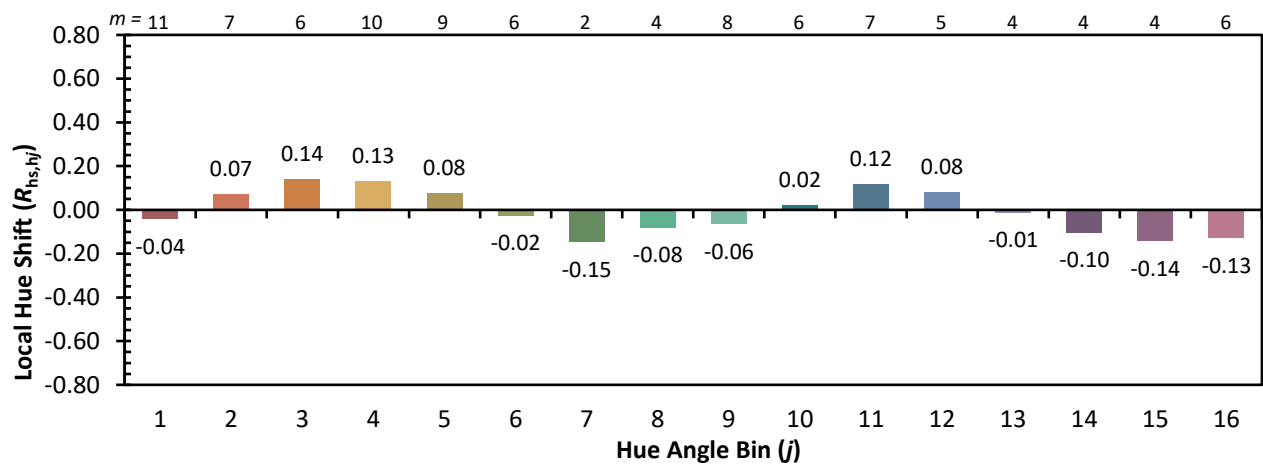
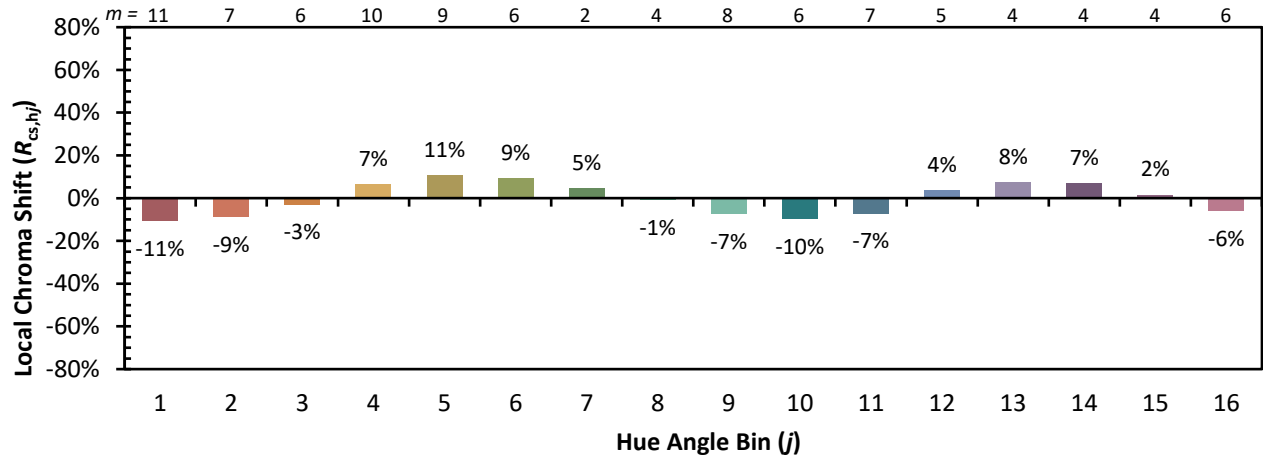


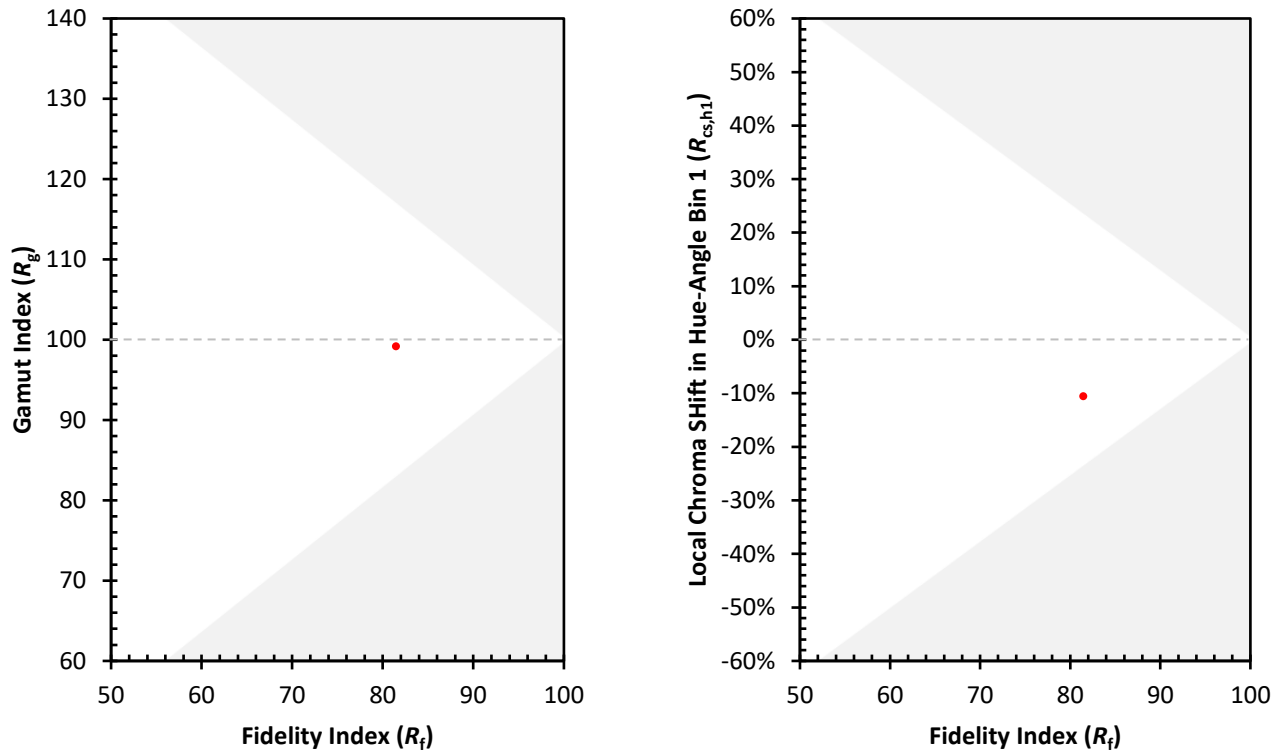
Individual Sample Fidelity Index ($R_{f,i}$)

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)