

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: P321463

Luminaire Tested: **GLEON-SA9D-830-U-T2R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321463
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA9D-830-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44492 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

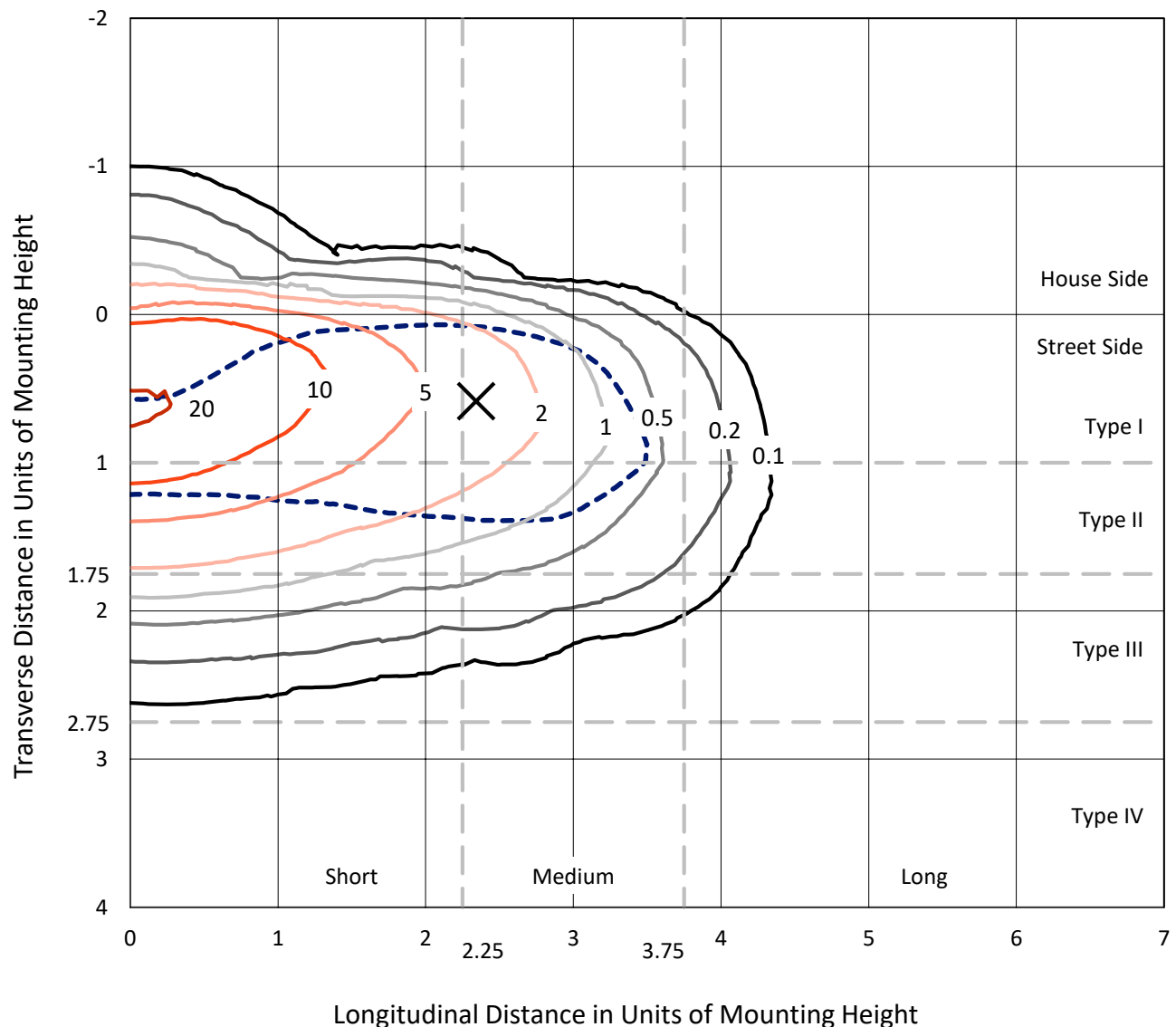
Input Watts (W): 575
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P321463
 CATALOG NUMBER: GLEON-SA9D-830-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

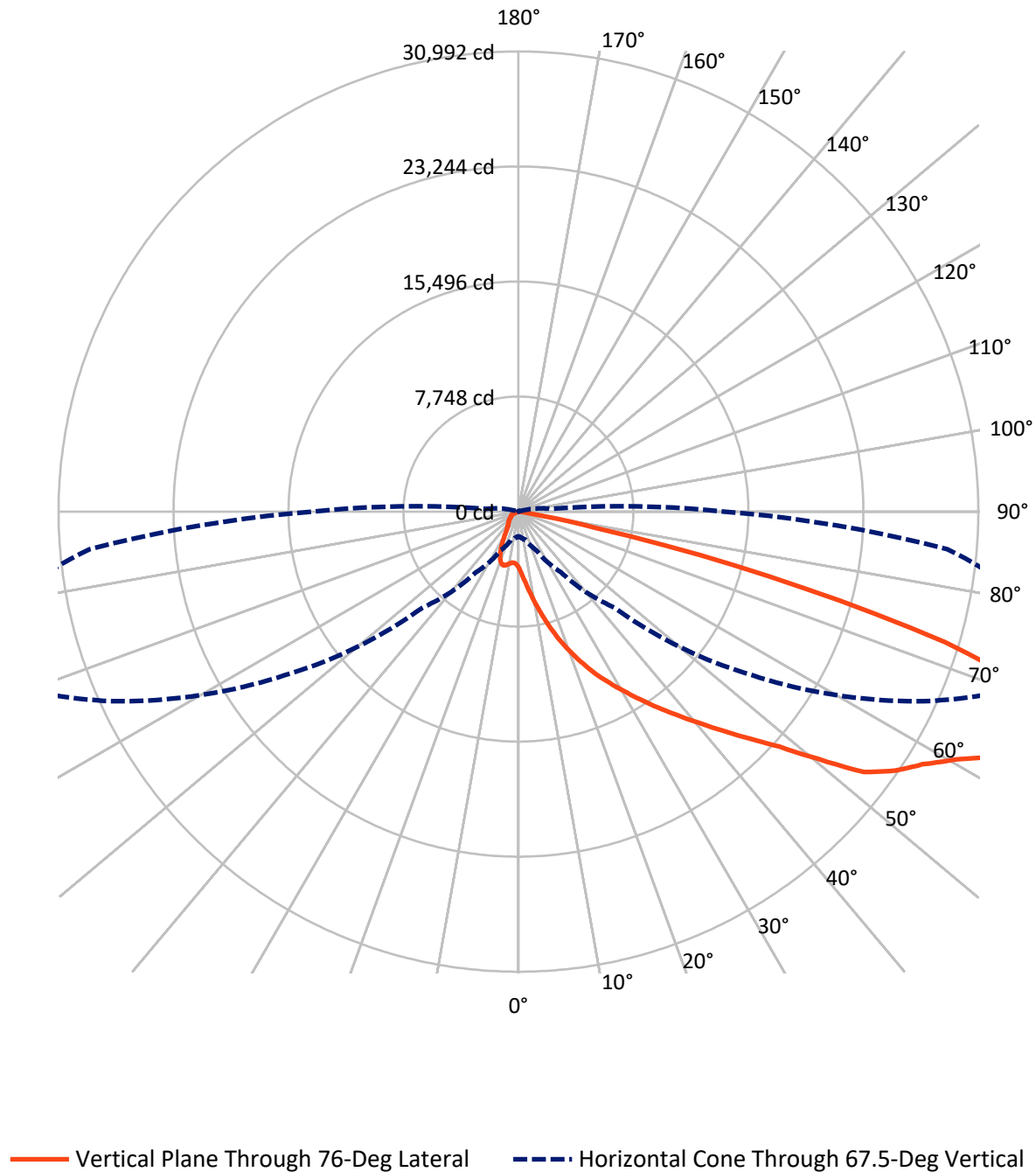
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P321463
CATALOG NUMBER: GLEON-SA9D-830-U-T2R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P321463
 CATALOG NUMBER: GLEON-SA9D-830-U-T2R-HSS

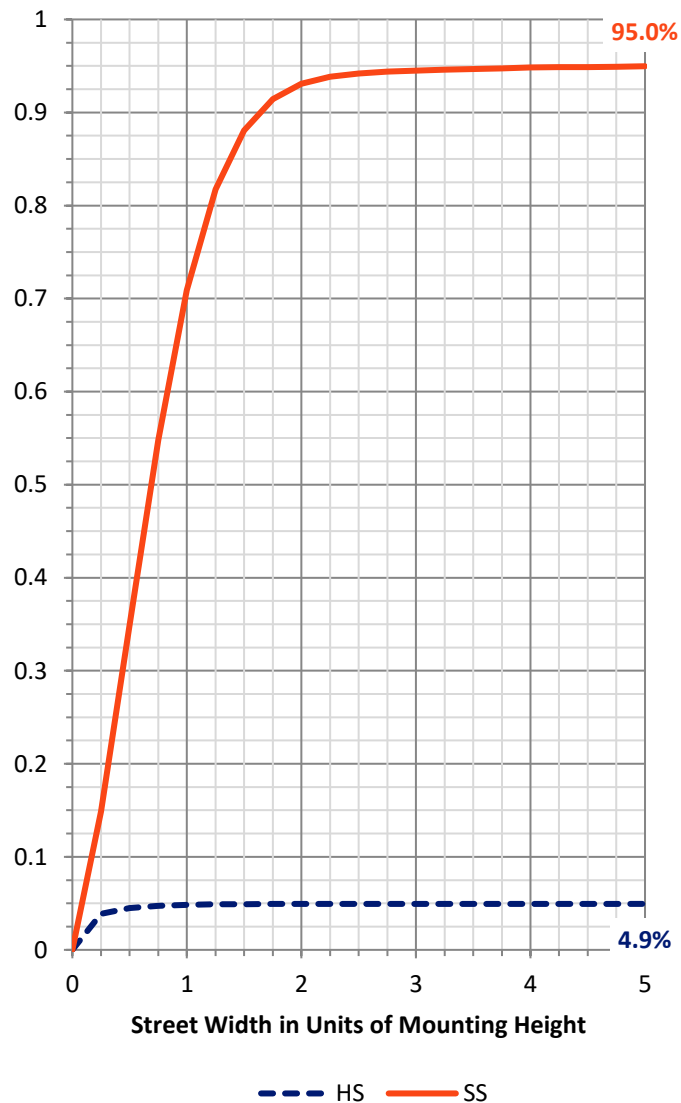
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2209.3	0.0	2209.3
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	42282.6	0.0	42282.6
	% Fixture	95.0	0.0	95.0
Total	Lumens	44492.0	0.0	44492.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.3	1.1
10°-20°	1860.4	4.2
20°-30°	3785.4	8.5
30°-40°	6570.2	14.8
40°-50°	9282.9	20.9
50°-60°	10527.2	23.7
60°-70°	8731.3	19.6
70°-80°	3162.7	7.1
80°-90°	102.6	0.2
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°	44492.0	100.0
0°-180°	44492.0	100.0

Coefficient of Utilization



REPORT NUMBER: P321463

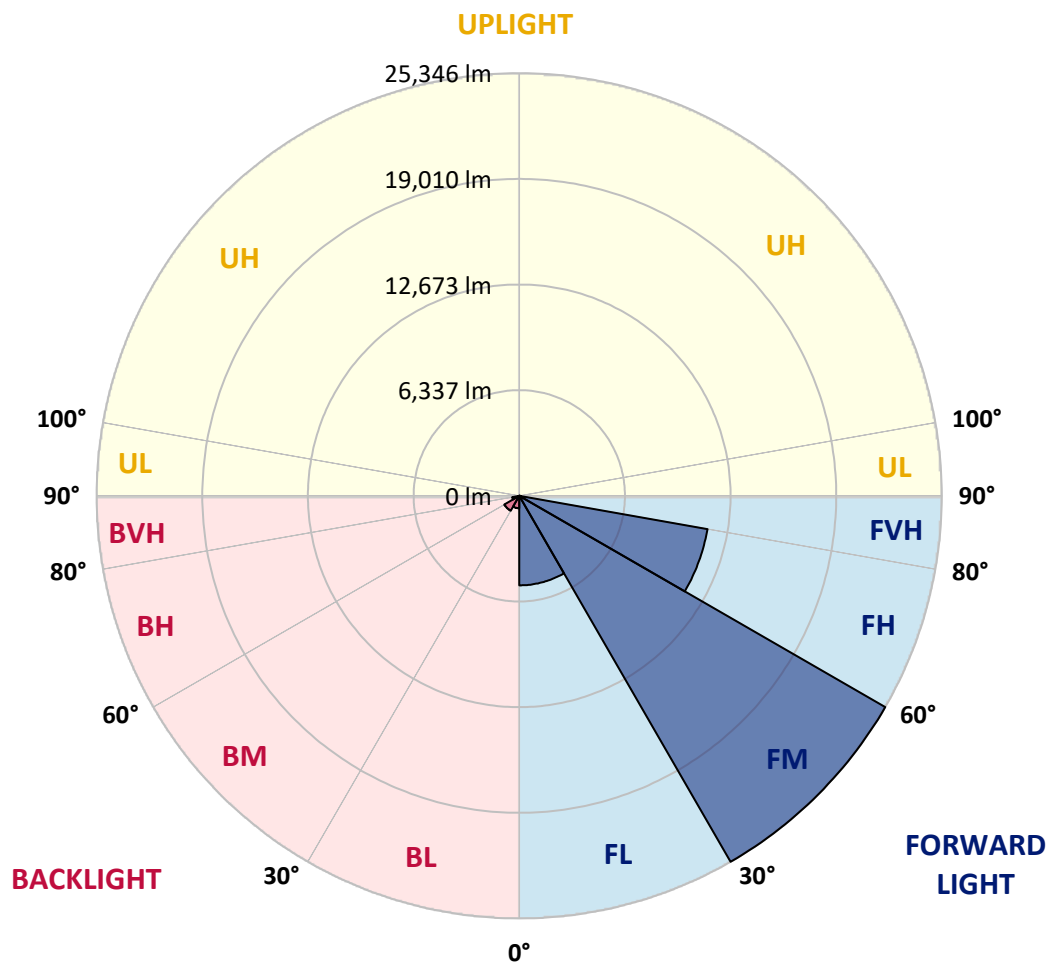
CATALOG NUMBER: GLEON-SA9D-830-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5370.0	12.1			
FM	(30°-60°)	25346.2	57.0			
FH	(60°-80°)	11467.1	25.8			G4/12000
FVH	(80°-90°)	99.3	0.2			G1/100
BL	(0°-30°)	745.1	1.7	B2/1000		
BM	(30°-60°)	1034.0	2.3	B2/2500		
BH	(60°-80°)	427.0	1.0	B1/500		G1/500
BVH	(80°-90°)	3.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type II Medium



REPORT NUMBER: P321463

CATALOG NUMBER: GLEON-SA9D-830-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3774.2	3774.2	3774.2	3774.2	3774.2	3774.2	3774.2	3774.2	3774.2	3774.2	3774.2
2.5°	5634.0	5507.3	5536.5	5454.7	5306.5	5002.4	4743.1	4497.5	4210.9	4201.1	3965.3
5°	7597.2	7489.9	7476.3	7310.6	7041.6	6524.9	6022.0	5448.8	4809.4	4762.6	4261.6
7.5°	9379.0	9293.2	9262.0	9065.1	8564.1	8061.1	7406.1	6563.9	5563.8	5478.1	4661.2
10°	10747.5	10706.6	10714.4	10574.0	10145.1	9677.3	8817.5	7743.4	6419.7	6287.1	5140.8
12.5°	11784.7	11794.4	11864.6	11778.8	11539.0	11192.0	10273.8	9000.8	7367.1	7185.8	5688.6
15°	12546.9	12595.6	12724.3	12831.5	12814.0	12513.8	11671.6	10277.7	8373.1	8172.3	6298.8
17.5°	13040.1	13094.7	13281.9	13519.7	13738.0	13667.9	13020.6	11509.8	9390.7	9158.7	6951.9
20°	13472.9	13537.2	13738.0	14051.9	14459.4	14547.1	14122.1	12704.8	10406.4	10123.7	7626.4
22.5°	14410.6	14408.7	14531.5	14714.7	15102.7	15328.8	15059.8	13814.1	11410.4	11116.0	8314.6
25°	16106.7	16042.3	15999.5	15855.2	15941.0	16081.3	15931.2	14851.2	12420.2	12121.9	9012.5
27.5°	18122.4	18161.4	17814.4	17426.5	17126.3	16982.0	16736.4	15812.3	13391.0	13063.5	9694.8
30°	20249.3	20261.0	19851.6	19356.5	18695.6	18147.8	17722.8	16730.5	14389.2	14032.4	10357.6
32.5°	22167.6	22091.6	21686.1	21011.6	20177.2	19561.2	18678.1	17755.9	15445.8	15100.7	11094.5
35°	23688.2	23598.6	23105.3	22491.3	21625.7	21005.7	19943.3	18779.4	16557.0	16219.7	11833.4
37.5°	24799.4	24694.2	24187.3	23555.7	22809.0	22448.4	21411.2	19892.6	17769.6	17407.0	12611.2
40°	25185.4	25093.8	24776.1	24314.0	23713.6	23631.7	22968.9	21173.4	19089.4	18703.4	13492.4
42.5°	24955.4	24865.7	24752.7	24596.7	24347.2	24425.1	24438.8	22633.6	20555.4	20175.3	14465.2
45°	24043.0	23963.1	24080.1	24308.2	24618.1	25004.1	25780.0	24202.9	22193.0	21787.5	15590.1
47.5°	22699.8	22641.4	22965.0	23534.2	24440.7	25505.2	27006.3	25852.2	24031.3	23655.1	16993.7
50°	20789.3	20779.6	21426.8	22465.9	23859.8	25746.9	28273.4	27727.6	26585.2	26189.4	18945.1
52.5°	17814.4	17833.9	19106.9	20769.9	22840.2	25583.1	29088.3	30137.1	29556.2	29144.9	20635.3
55°	14981.8	15098.8	16001.4	18399.3	21276.7	24974.9	29369.0	31262.0	31195.7	30805.8	21575.0
57.5°	12207.7	12420.2	13289.7	15529.6	18993.9	23573.2	29215.0	31749.4	32416.1	32117.8	22814.9
60°	9201.6	9299.1	10301.1	12394.8	16063.8	21015.5	28098.0	32014.5	34084.9	33878.2	24614.2
62.5°	5854.3	6098.0	6987.0	9006.6	12507.9	17463.5	26214.8	32010.6	36172.8	36285.8	26936.1
65°	3084.1	3368.7	3840.5	5581.4	8595.3	13496.3	23382.2	31710.4	38734.4	38892.3	28751.1
67.5°	1662.9	1744.8	1994.3	2896.9	4984.8	9143.1	19220.0	30228.8	40218.0	40426.5	29004.5
70°	1216.5	1261.3	1354.9	1602.5	2509.0	5310.4	14024.6	26869.8	38305.5	38227.5	25770.3
72.5°	933.8	1004.0	1074.2	1173.6	1442.6	2834.6	8731.8	21040.8	30564.1	30049.4	19262.9
75°	736.9	748.6	848.0	937.7	1082.0	1614.2	3877.5	12254.5	18654.7	17436.2	9989.2
77.5°	588.7	596.5	655.0	733.0	869.5	1060.5	1200.9	4821.1	5955.7	5314.3	2167.8
80°	349.0	368.5	487.4	565.4	721.3	668.7	438.6	1046.9	929.9	842.2	364.6
82.5°	194.9	210.5	274.9	446.4	503.0	319.7	218.3	282.7	218.3	212.5	103.3
85°	0.0	9.7	177.4	276.8	204.7	70.2	91.6	93.6	64.3	60.4	40.9
87.5°	0.0	0.0	54.6	52.6	7.8	11.7	21.4	31.2	25.3	25.3	21.4
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: P321463

CATALOG NUMBER: GLEON-SA9D-830-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3774.2	3774.2	3774.2	3774.2	3774.2	3774.2	3774.2	3774.2	3774.2	3774.2	3774.2
2.5°	3848.3	3743.0	3544.2	3349.2	3185.5	3050.9	2930.1	2881.3	2842.4	2836.5	2805.3
5°	4019.8	3807.4	3427.2	3115.3	2906.7	2758.5	2631.8	2553.8	2493.4	2470.0	2448.6
7.5°	4279.1	3957.5	3411.6	3052.9	2803.4	2553.8	2319.9	2066.5	1908.5	1848.1	1813.0
10°	4594.9	4156.3	3470.1	3035.4	2598.7	2072.3	1684.4	1362.7	1232.1	1189.2	1177.5
12.5°	4963.4	4403.9	3571.5	2926.2	2162.0	1471.9	1161.9	1052.7	1023.5	1009.8	1009.8
15°	5386.4	4674.9	3643.6	2610.4	1598.6	1113.2	1005.9	955.2	924.1	906.5	908.5
17.5°	5819.2	4940.0	3608.5	2152.2	1179.4	990.3	910.4	855.8	812.9	795.4	791.5
20°	6255.9	5185.6	3413.6	1602.5	998.1	898.7	809.0	748.6	705.7	688.2	684.3
22.5°	6708.2	5394.2	3070.4	1175.5	896.8	797.3	709.6	649.2	608.2	592.6	584.8
25°	7148.8	5563.8	2590.9	951.4	801.2	701.8	618.0	561.5	524.4	508.8	506.9
27.5°	7560.1	5671.1	2035.3	840.2	717.4	616.0	540.0	489.3	458.1	446.4	444.5
30°	7930.5	5680.8	1505.0	758.4	643.3	542.0	471.8	426.9	399.6	387.9	384.0
32.5°	8304.8	5598.9	1095.6	684.3	575.1	477.6	409.4	374.3	354.8	345.1	345.1
35°	8657.7	5409.8	853.9	619.9	508.8	415.2	360.7	335.3	323.6	313.9	313.9
37.5°	9002.7	5138.9	725.2	563.4	446.4	362.6	317.8	302.2	292.4	282.7	282.7
40°	9353.6	4797.7	658.9	510.8	395.7	321.7	282.7	269.0	259.3	251.5	249.5
42.5°	9784.5	4403.9	616.0	462.0	350.9	284.6	249.5	233.9	226.1	218.3	214.4
45°	10283.6	4064.7	580.9	413.3	313.9	253.4	216.4	200.8	189.1	179.4	177.4
47.5°	11002.9	3819.0	534.2	360.7	278.8	220.3	187.2	169.6	152.1	142.3	140.4
50°	11921.1	3616.3	473.7	313.9	243.7	187.2	156.0	134.5	118.9	109.2	109.2
52.5°	12377.3	3351.2	419.1	272.9	204.7	157.9	126.7	101.4	93.6	83.8	83.8
55°	12560.6	3148.4	364.6	232.0	169.6	130.6	99.4	78.0	72.1	66.3	64.3
57.5°	13075.2	3089.9	317.8	196.9	140.4	103.3	76.0	58.5	54.6	46.8	46.8
60°	13903.8	3119.2	274.9	167.7	113.1	79.9	56.5	44.8	40.9	33.1	33.1
62.5°	14798.6	3082.1	232.0	144.3	87.7	58.5	39.0	33.1	33.1	19.5	17.5
65°	14970.1	2744.9	198.8	118.9	68.2	42.9	25.3	21.4	29.2	3.9	0.0
67.5°	13894.0	2128.8	171.6	91.6	50.7	33.1	19.5	9.7	25.3	0.0	0.0
70°	11110.1	1352.9	138.4	66.3	39.0	27.3	15.6	3.9	19.5	0.0	0.0
72.5°	7856.4	785.6	109.2	46.8	33.1	21.4	11.7	0.0	11.7	0.0	0.0
75°	3973.1	419.1	68.2	35.1	25.3	15.6	7.8	0.0	1.9	0.0	0.0
77.5°	859.7	194.9	42.9	25.3	17.5	9.7	3.9	0.0	0.0	0.0	0.0
80°	187.2	85.8	27.3	15.6	9.7	5.8	0.0	0.0	0.0	0.0	0.0
82.5°	68.2	44.8	13.6	7.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	37.0	23.4	7.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.5	7.8	1.9	1.9	0.0	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: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2408-195-9
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/07/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: MCGRAW EDISON
 Catalog Number: **GALN-SB1A-830-U-5WQ**
 Description: GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K): 3050
 CIE u' : 0.2476
 CIE v' : 0.5251
 Duv: 0.0034
 CIE x: 0.4383
 CIE y: 0.4131
 CIE z: 0.1487
 Peak Wavelength (nm): 603
 Dominant Wavelength (nm): 581
 Purity: 55.55201
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 81.0
 R1: 79.6
 R2: 85.6
 R3: 92.0
 R4: 82.6
 R5: 78.9
 R6: 81.7
 R7: 85.2
 R8: 62.0
 R9: 7.1
 R10: 67.0
 R11: 82.7
 R12: 63.2
 R13: 80.3
 R14: 95.0
 R15: 71.7



Test Conditions

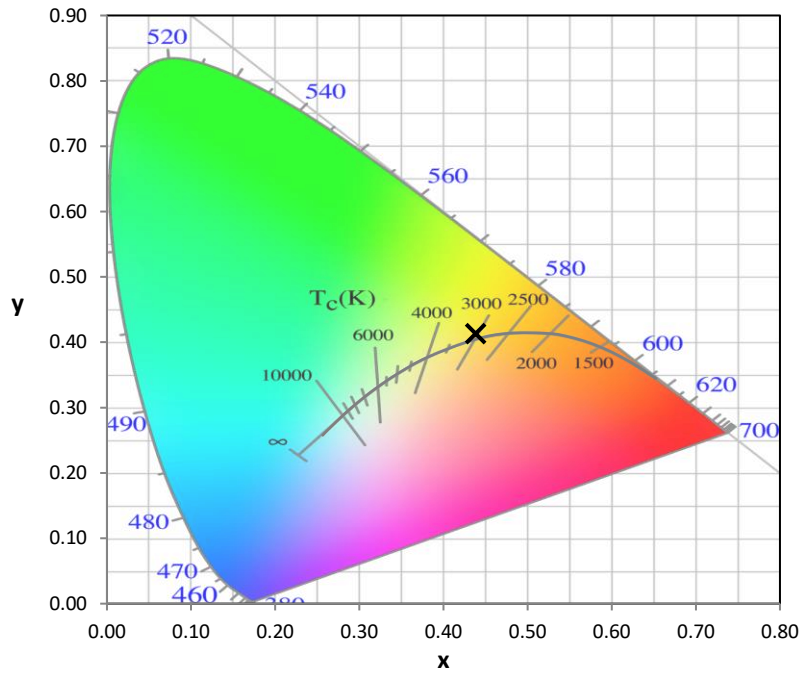
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2408-195-9

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: SP1-2408-195-9

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: SP1-2408-195-9

Photopic Flux vs. Wavelength

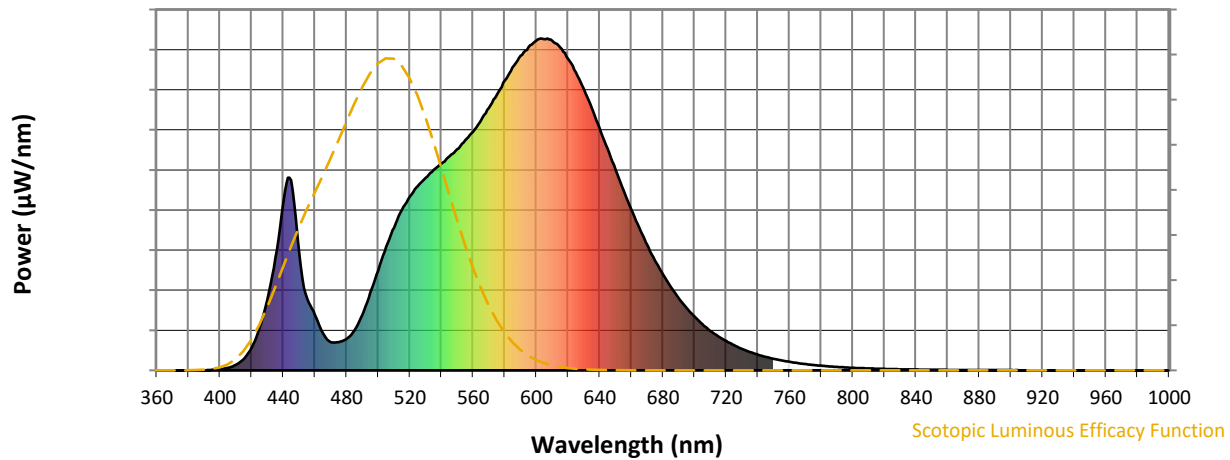


Photopic Lumens: NR

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength



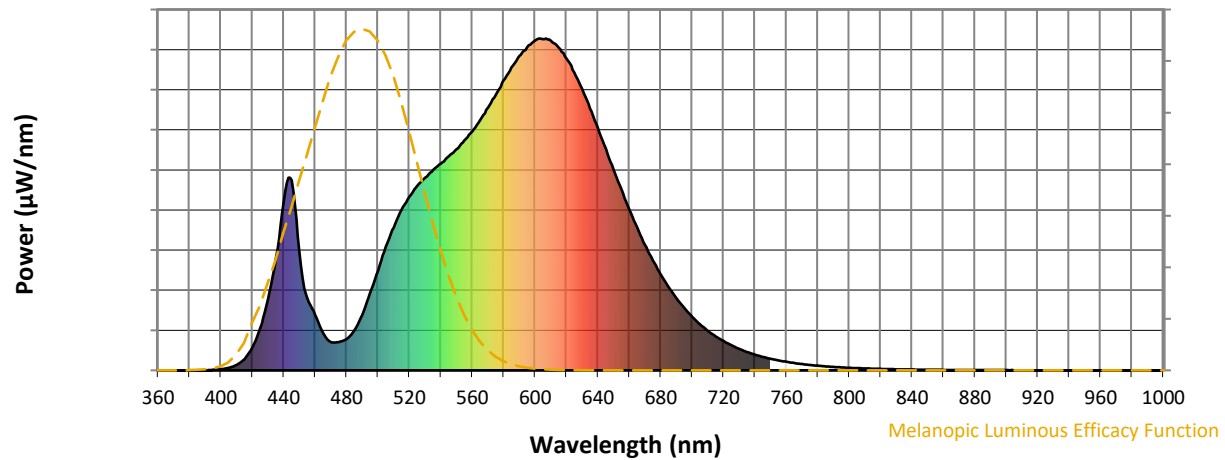
Scotopic Lumens: NR

S/P: 1.27

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.32

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

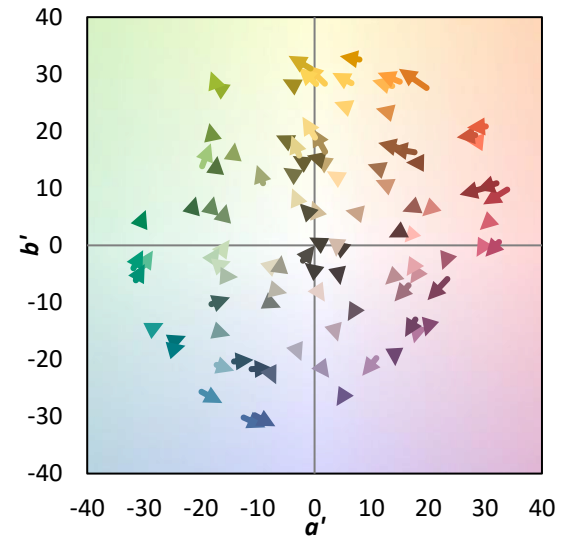
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE\ R_a = 81.0$
 $R_9 = 7.1$

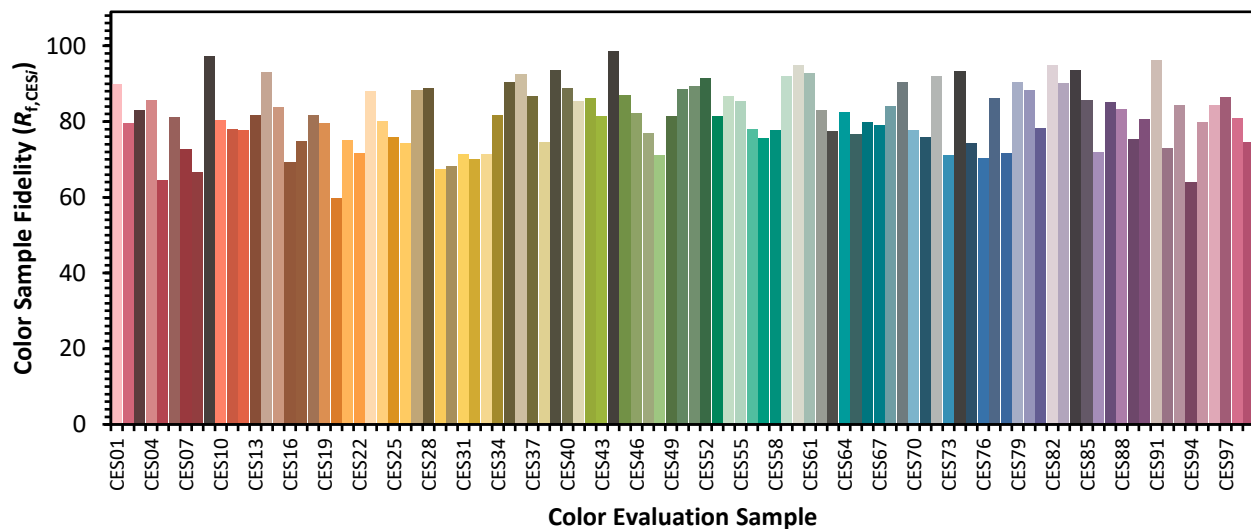


Color Vector Graphics

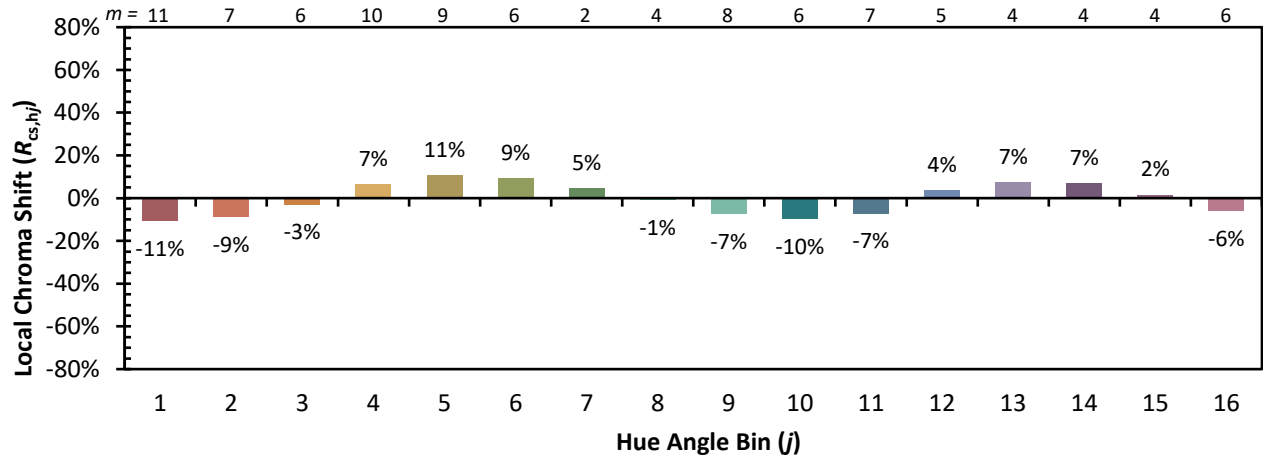


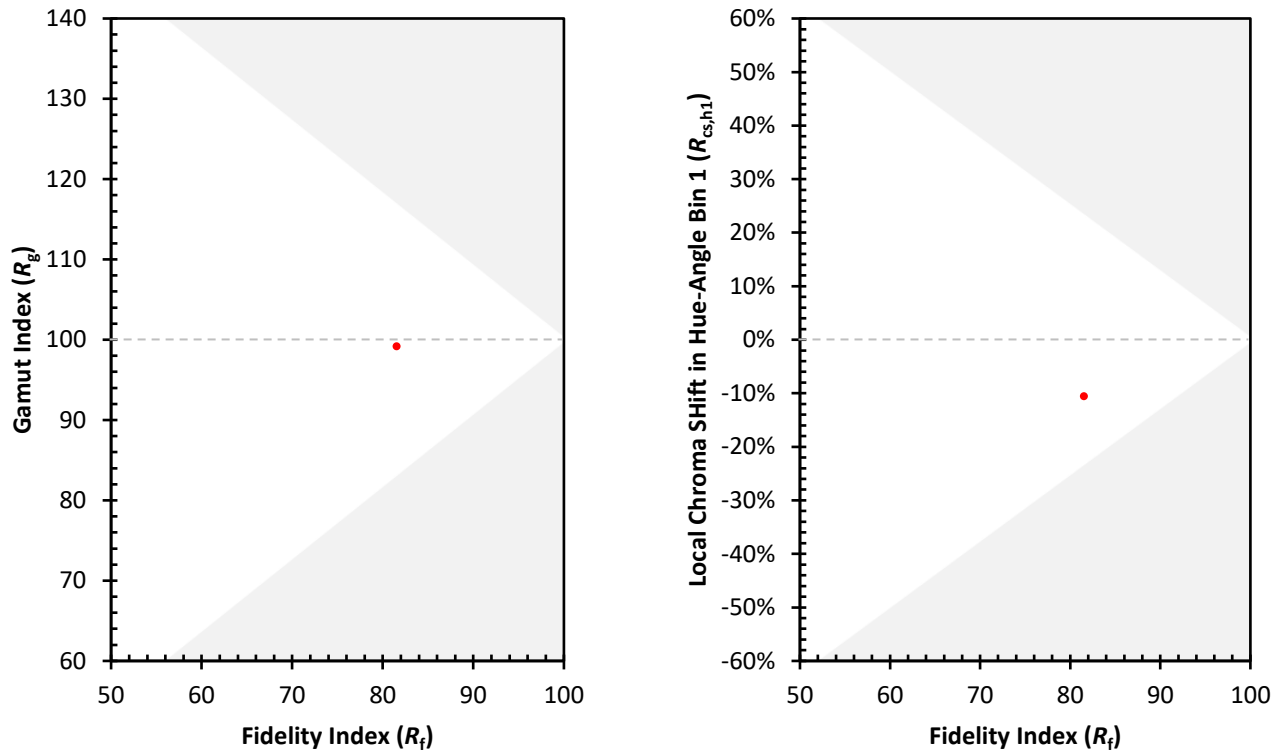
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	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 = 94
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 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	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)