

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: P323692

Luminaire Tested: **GLEON-SA8C-830-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323692
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA8C-830-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38483 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

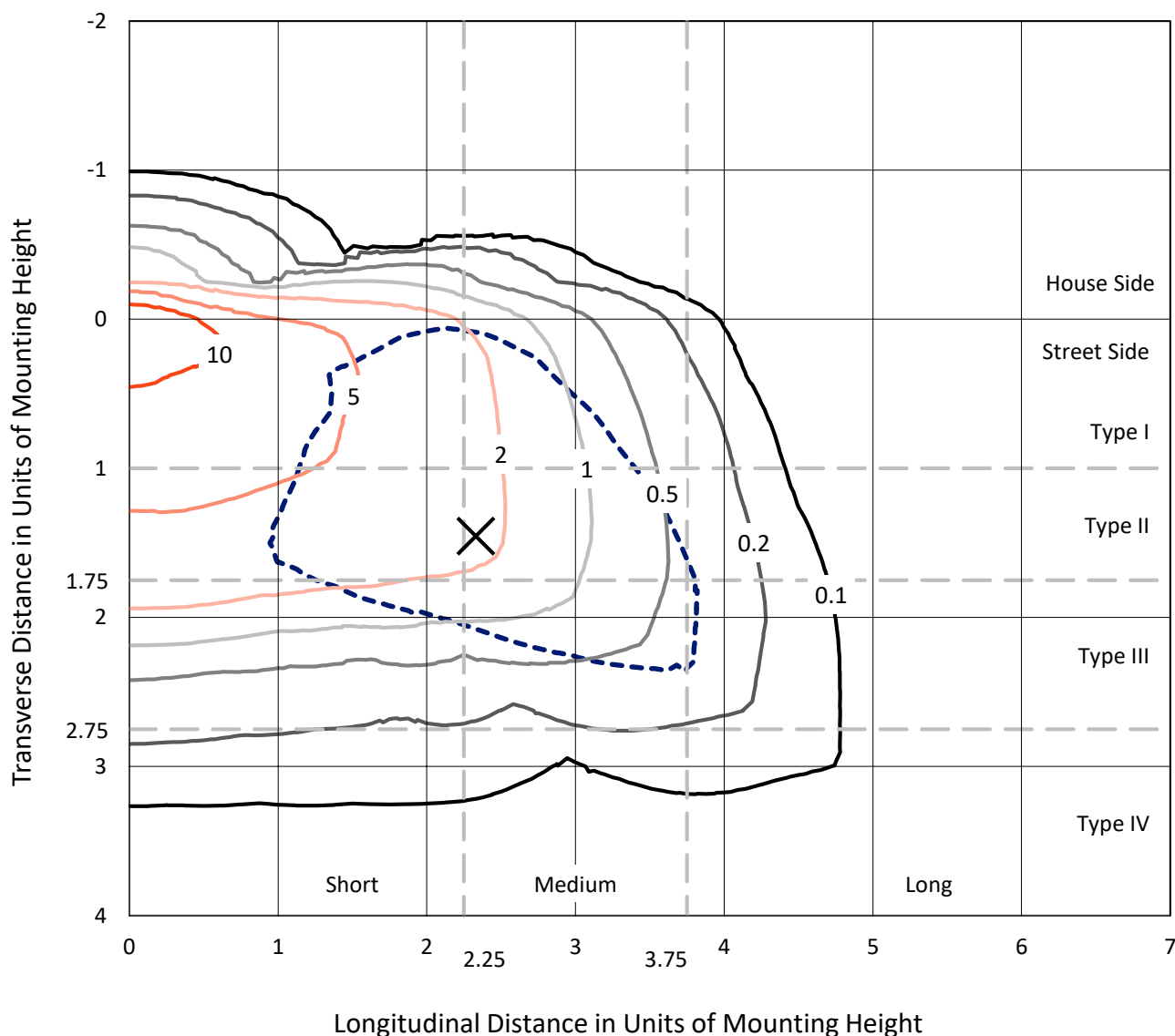
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

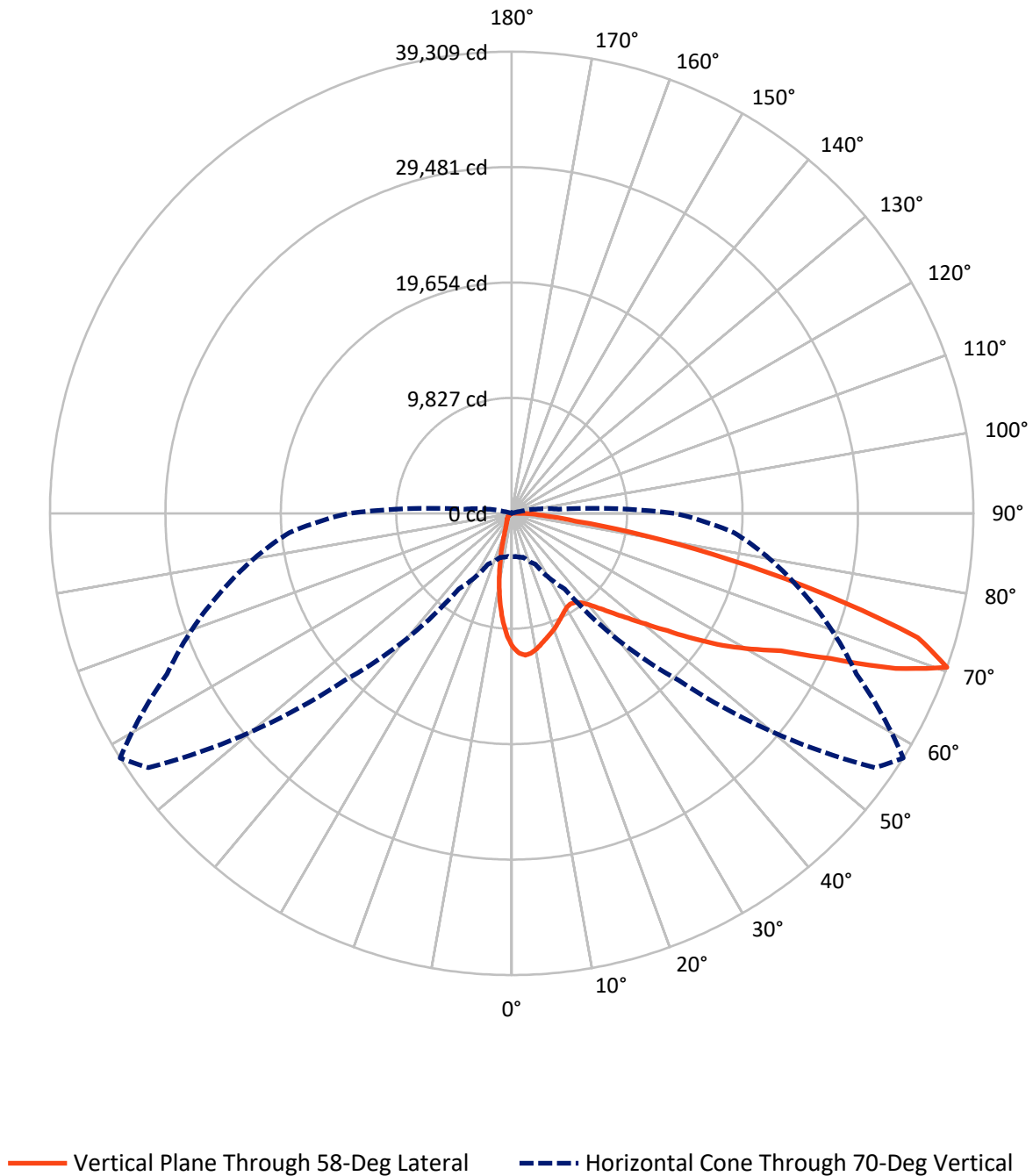
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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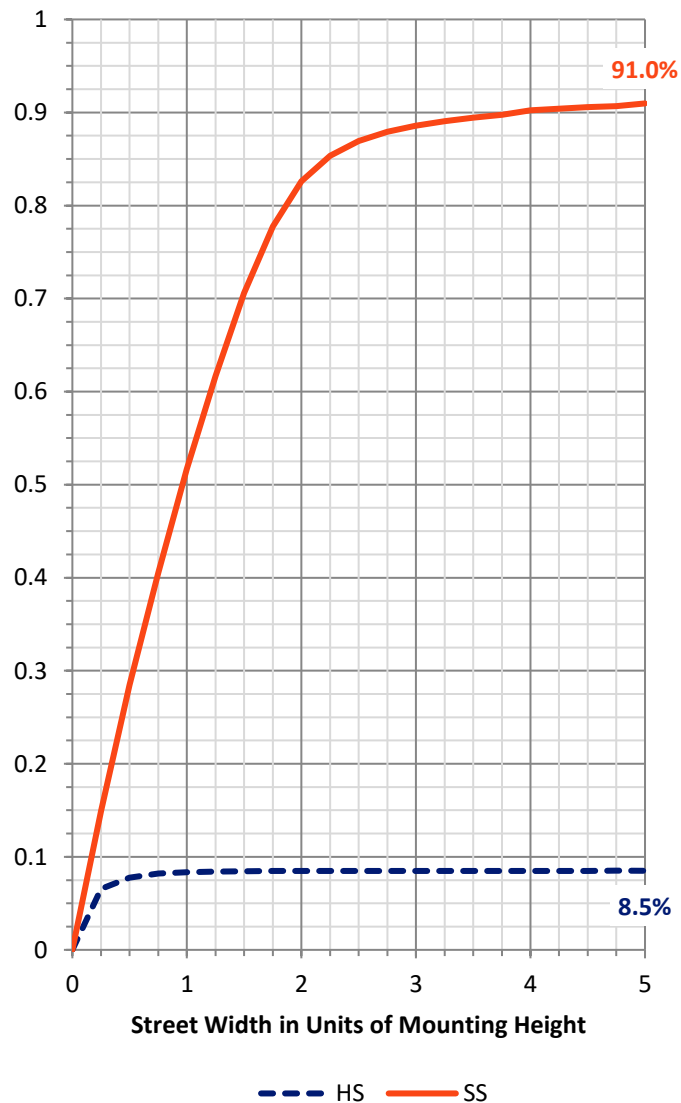
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3293.3	0.0	3293.3
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	35189.7	0.0	35189.7
	% Fixture	91.4	0.0	91.4
Total	Lumens	38483.0	0.0	38483.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	929.6	2.4
10°-20°	1951.0	5.1
20°-30°	2564.9	6.7
30°-40°	3396.9	8.8
40°-50°	5077.3	13.2
50°-60°	8133.6	21.1
60°-70°	10252.4	26.6
70°-80°	5530.1	14.4
80°-90°	647.3	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°	38483.0	100.0
0°-180°	38483.0	100.0

Coefficient of Utilization



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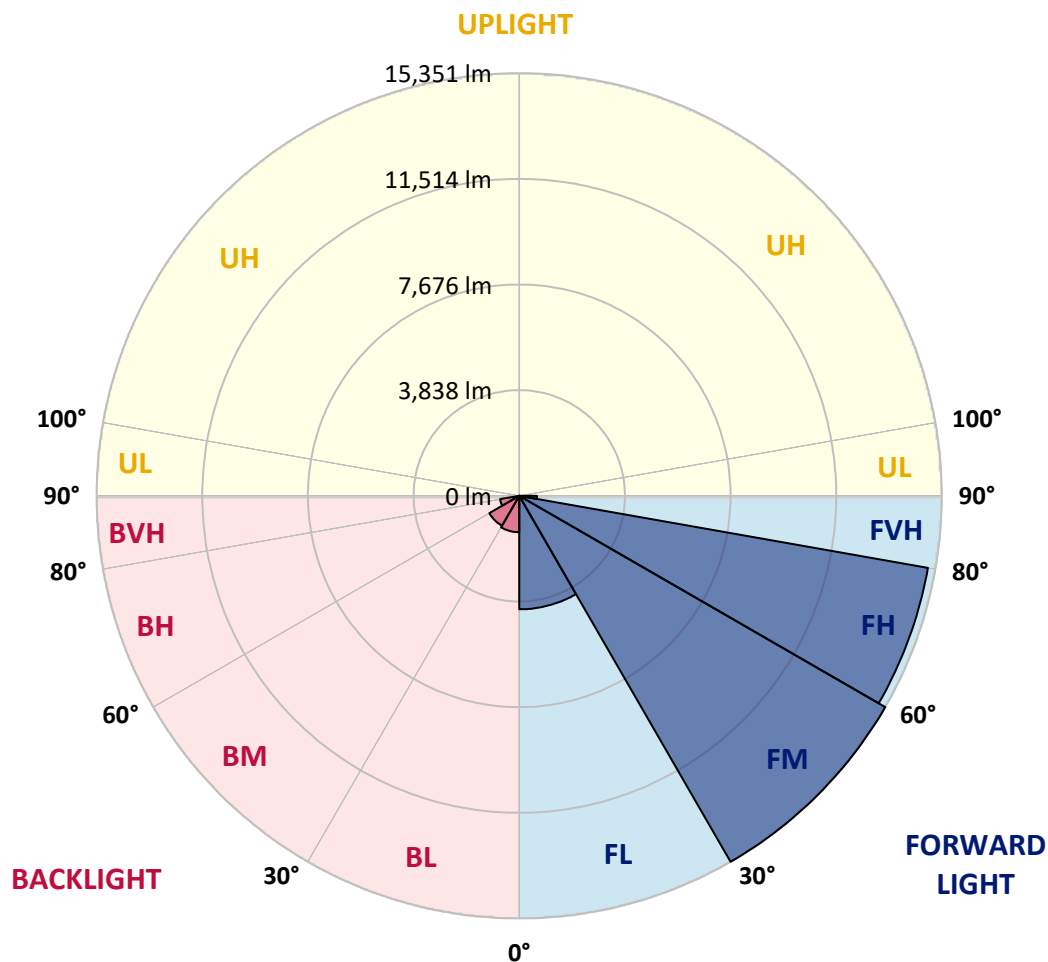
CATALOG NUMBER: GLEON-SA8C-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4122.3	10.7			
FM	(30°-60°)	15351.5	39.9			
FH	(60°-80°)	15074.2	39.2			G5
FVH	(80°-90°)	641.7	1.7			G4/750
BL	(0°-30°)	1323.1	3.4	B3/2500		
BM	(30°-60°)	1256.3	3.3	B2/2500		
BH	(60°-80°)	708.2	1.8	B2/1000		G2/1000
BVH	(80°-90°)	5.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	11367.7	11367.7	11367.7	11367.7	11367.7	11367.7	11367.7	11367.7	11367.7	11367.7	11367.7
2.5°	12310.2	12279.8	12268.6	12249.4	12175.8	12103.8	11961.4	11921.4	11831.7	11618.9	11393.3
5°	12319.8	12318.2	12351.8	12343.8	12318.2	12284.6	12182.2	12129.4	11977.4	11673.3	11260.5
7.5°	11726.1	11756.5	11831.7	11892.6	11963.0	12054.2	12067.0	12015.8	11891.0	11562.9	11015.7
10°	10929.2	10977.3	11082.9	11202.9	11386.9	11569.3	11732.5	11726.1	11682.9	11359.7	10721.2
12.5°	10130.8	10186.8	10308.4	10486.0	10746.8	11044.5	11335.7	11375.7	11447.7	11177.3	10449.2
15°	9431.5	9479.5	9599.5	9817.1	10140.4	10540.4	10967.7	11041.3	11226.9	11034.9	10222.0
17.5°	8837.8	8868.2	8956.2	9197.8	9572.3	10057.1	10612.4	10756.4	11033.3	10922.8	10025.1
20°	8423.4	8428.2	8485.8	8655.4	9029.8	9572.3	10244.4	10450.8	10828.4	10826.8	9821.9
22.5°	8218.5	8202.5	8213.7	8311.3	8586.6	9109.8	9876.3	10121.2	10644.4	10745.2	9615.5
25°	8180.1	8167.3	8135.3	8148.1	8314.5	8705.0	9505.1	9788.3	10482.8	10695.6	9436.3
27.5°	8300.1	8312.9	8258.5	8200.9	8213.7	8442.6	9175.4	9503.5	10351.6	10695.6	9309.9
30°	8541.8	8548.2	8508.2	8433.0	8332.1	8369.0	8946.6	9274.7	10286.0	10769.2	9229.9
32.5°	8809.0	8844.2	8839.4	8778.6	8634.6	8485.8	8892.2	9191.4	10281.2	10932.4	9221.9
35°	9140.2	9180.2	9247.5	9234.7	9084.2	8839.4	9077.8	9313.1	10375.6	11201.3	9308.3
37.5°	9492.3	9553.1	9697.1	9765.9	9668.3	9391.5	9493.9	9661.9	10628.4	11636.5	9527.5
40°	9833.1	9901.9	10164.4	10434.8	10361.2	10076.3	10124.4	10258.8	11078.1	12262.2	9943.5
42.5°	10167.6	10270.0	10655.6	11100.5	11188.5	10961.2	10986.9	11094.1	11745.3	13123.1	10623.6
45°	10567.6	10682.8	11254.1	11802.9	12038.2	11939.0	12047.8	12118.2	12617.4	14260.8	11540.5
47.5°	11154.9	11287.7	11988.6	12614.2	13027.1	13091.1	13310.3	13356.7	13720.0	15585.8	12735.9
50°	12300.6	12337.4	12971.1	13539.1	14134.4	14518.5	14768.1	14803.3	15054.5	17033.9	14228.8
52.5°	13742.4	13766.4	14124.8	14505.7	15182.5	15966.6	16550.7	16600.3	16653.1	18445.3	15702.6
55°	15174.5	15171.3	15408.2	15632.2	16406.7	17546.0	18813.3	18843.7	18464.5	19784.7	16829.1
57.5°	16069.0	16155.4	16515.5	16803.5	17885.2	19346.2	21104.8	21216.8	20367.1	20776.8	17942.8
60°	15784.2	15825.8	16624.3	17690.0	19727.0	21904.9	23423.5	23452.3	21797.7	21767.3	19351.0
62.5°	13447.9	13470.3	14724.9	16921.9	20660.0	25223.7	26220.6	25751.7	23442.7	23141.8	21036.0
65°	9217.1	9362.7	10410.8	13126.3	18946.2	27305.5	30550.7	29774.6	25950.2	25122.9	22559.4
67.5°	5427.8	5397.4	5915.9	7916.1	13915.2	25923.0	36028.1	35256.8	29369.7	26449.4	22112.9
70°	3707.6	3686.8	3885.2	4792.5	7855.3	20109.5	37751.5	39308.5	32389.3	25556.5	19031.0
72.5°	2646.7	2657.9	2950.7	3723.6	4931.8	11716.5	32464.5	36149.7	31443.6	22279.3	14465.6
75°	1797.0	1827.4	2246.7	3054.7	4323.7	5960.7	23037.8	27479.9	25604.5	16192.2	8314.5
77.5°	966.5	1000.1	1494.6	2461.1	3909.2	4141.3	14819.3	18912.6	16083.4	7279.2	2409.9
80°	403.2	422.4	699.3	1789.0	3378.0	3637.2	8719.4	11468.5	6853.6	1435.4	537.7
82.5°	174.4	184.0	291.2	1067.3	2525.1	3070.8	4616.5	5517.4	2077.0	315.2	270.4
85°	33.6	35.2	120.0	564.9	1611.4	1733.0	2992.3	2933.1	932.9	136.0	196.8
87.5°	0.0	0.0	28.8	177.6	473.7	944.1	1825.8	1803.4	316.8	65.6	73.6
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°	11367.7	11367.7	11367.7	11367.7	11367.7	11367.7	11367.7	11367.7	11367.7	11367.7	11367.7
2.5°	11278.1	11167.7	10935.6	10649.2	10430.0	10188.4	9996.3	9753.1	9647.5	9652.3	9594.7
5°	11025.3	10798.0	10284.4	9636.3	9137.0	8621.8	8178.5	7736.9	7476.1	7391.2	7311.2
7.5°	10663.6	10303.6	9484.3	8485.8	7640.9	6815.2	6096.7	5464.6	5064.6	4869.4	4797.3
10°	10255.6	9749.9	8564.2	7248.8	6042.3	4925.4	3994.1	3184.4	2861.1	2641.9	2585.9
12.5°	9897.1	9212.3	7664.9	5979.9	4547.7	3200.4	2312.3	1808.2	1589.0	1502.6	1488.2
15°	9559.5	8709.8	6799.2	4831.0	3149.2	1969.8	1470.6	1299.3	1248.1	1233.7	1233.7
17.5°	9241.1	8231.3	5952.7	3699.6	2083.4	1381.0	1217.7	1179.3	1163.3	1161.7	1163.3
20°	8908.2	7752.9	5120.6	2710.7	1454.6	1169.7	1124.9	1104.1	1099.3	1099.3	1099.3
22.5°	8589.8	7274.4	4310.9	1936.2	1166.5	1067.3	1044.9	1030.5	1025.7	1024.1	1020.9
25°	8284.1	6820.0	3520.4	1368.2	1024.1	977.7	958.5	939.3	924.9	916.9	912.1
27.5°	8032.9	6415.1	2784.3	1097.7	924.9	884.9	860.9	832.1	796.9	780.9	774.5
30°	7832.9	6045.5	2145.8	926.5	832.1	792.1	755.3	705.7	654.5	627.3	625.7
32.5°	7676.1	5682.2	1629.0	819.3	748.9	699.3	646.5	584.1	524.9	494.5	492.9
35°	7599.3	5362.2	1244.9	740.9	675.3	612.9	547.3	478.5	420.8	392.0	388.8
37.5°	7650.5	5091.8	971.3	675.3	612.9	540.9	464.1	392.0	340.8	315.2	313.6
40°	7837.7	4919.0	788.9	619.3	560.1	472.1	388.8	321.6	278.4	257.6	256.0
42.5°	8236.1	4855.0	673.7	572.9	508.9	408.0	323.2	265.6	225.6	211.2	208.0
45°	8901.8	4949.4	595.3	528.1	456.1	347.2	267.2	217.6	182.4	171.2	169.6
47.5°	9788.3	5197.4	539.3	484.9	408.0	292.8	222.4	176.0	148.8	137.6	136.0
50°	10930.8	5591.0	492.9	441.7	363.2	248.0	184.0	139.2	115.2	107.2	107.2
52.5°	12174.2	6059.9	451.3	401.6	318.4	206.4	148.8	107.2	91.2	81.6	81.6
55°	13201.5	6469.5	406.4	371.2	264.0	171.2	113.6	81.6	67.2	62.4	62.4
57.5°	14227.2	6906.4	355.2	318.4	211.2	139.2	86.4	60.8	49.6	46.4	46.4
60°	15557.0	7440.8	305.6	259.2	166.4	105.6	64.0	43.2	36.8	35.2	35.2
62.5°	17019.5	7754.5	260.8	208.0	129.6	78.4	46.4	28.8	27.2	27.2	25.6
65°	17914.0	7311.2	219.2	166.4	100.8	59.2	30.4	20.8	24.0	22.4	19.2
67.5°	16773.1	5723.9	179.2	129.6	78.4	44.8	19.2	14.4	25.6	20.8	16.0
70°	13888.0	4006.9	139.2	91.2	62.4	38.4	12.8	9.6	27.2	20.8	12.8
72.5°	10393.2	2681.9	110.4	60.8	46.4	33.6	11.2	4.8	24.0	17.6	11.2
75°	5679.0	1080.1	88.0	38.4	28.8	24.0	8.0	3.2	16.0	12.8	8.0
77.5°	1494.6	284.8	64.0	25.6	16.0	9.6	4.8	1.6	8.0	6.4	3.2
80°	380.8	110.4	41.6	17.6	11.2	4.8	0.0	0.0	1.6	0.0	0.0
82.5°	203.2	46.4	25.6	12.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	153.6	30.4	14.4	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	59.2	9.6	4.8	0.0	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

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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	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			

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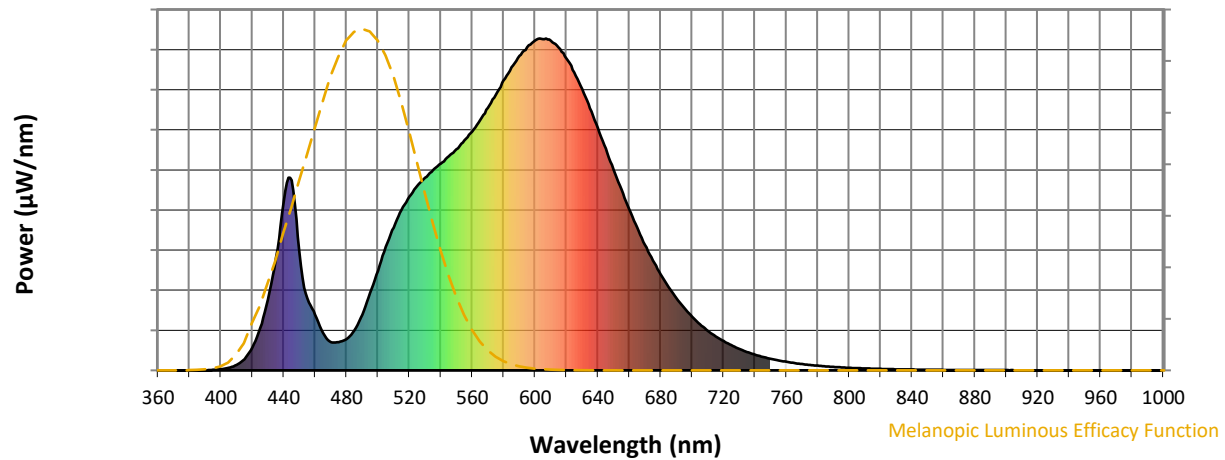
Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.27

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	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			

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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			

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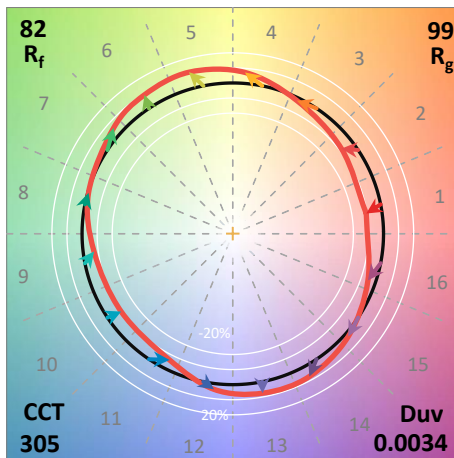
TM-30-18

Summary

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



Color Vector Graphics

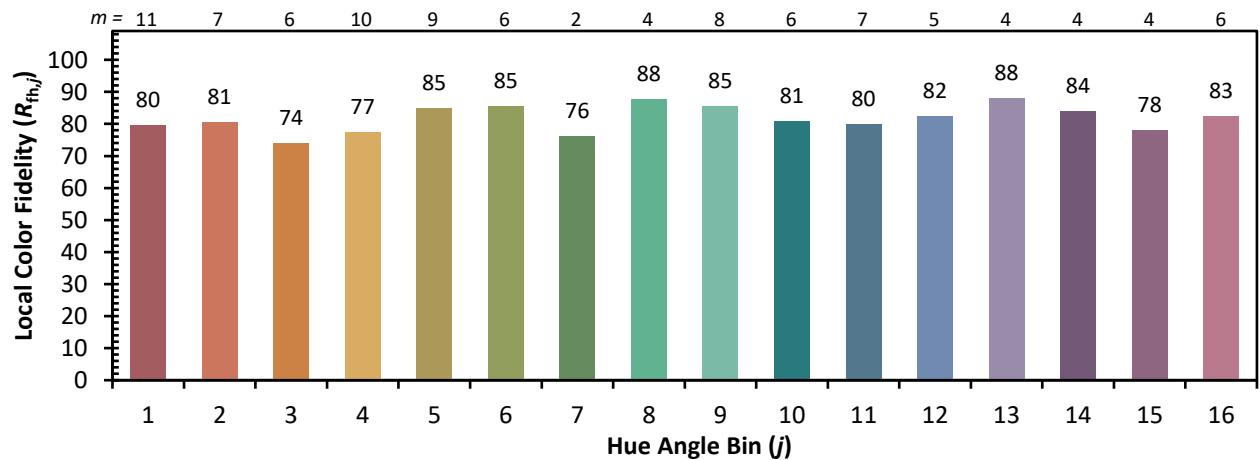
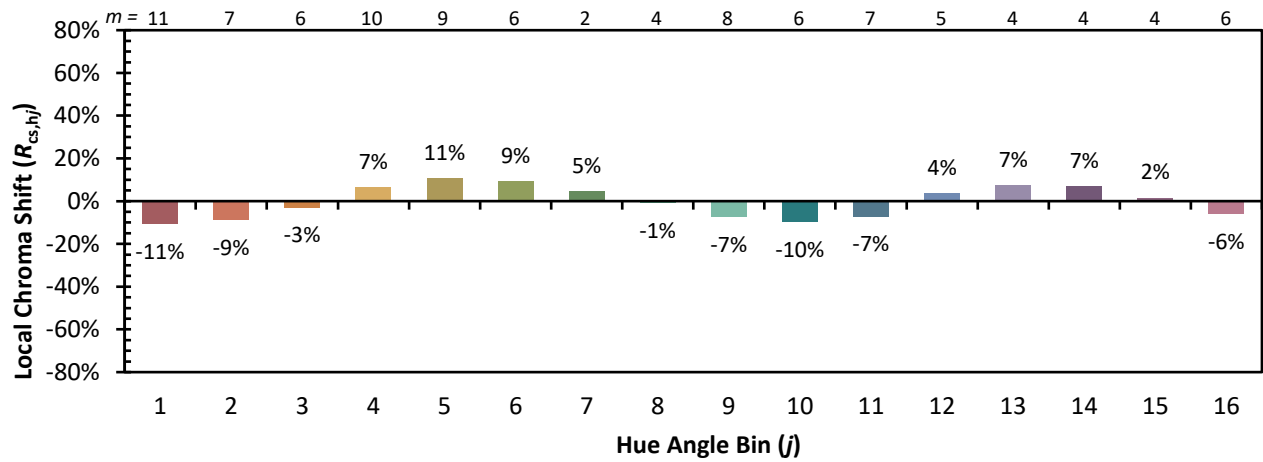


Individual Sample Fidelity Index ($R_{f,i}$)

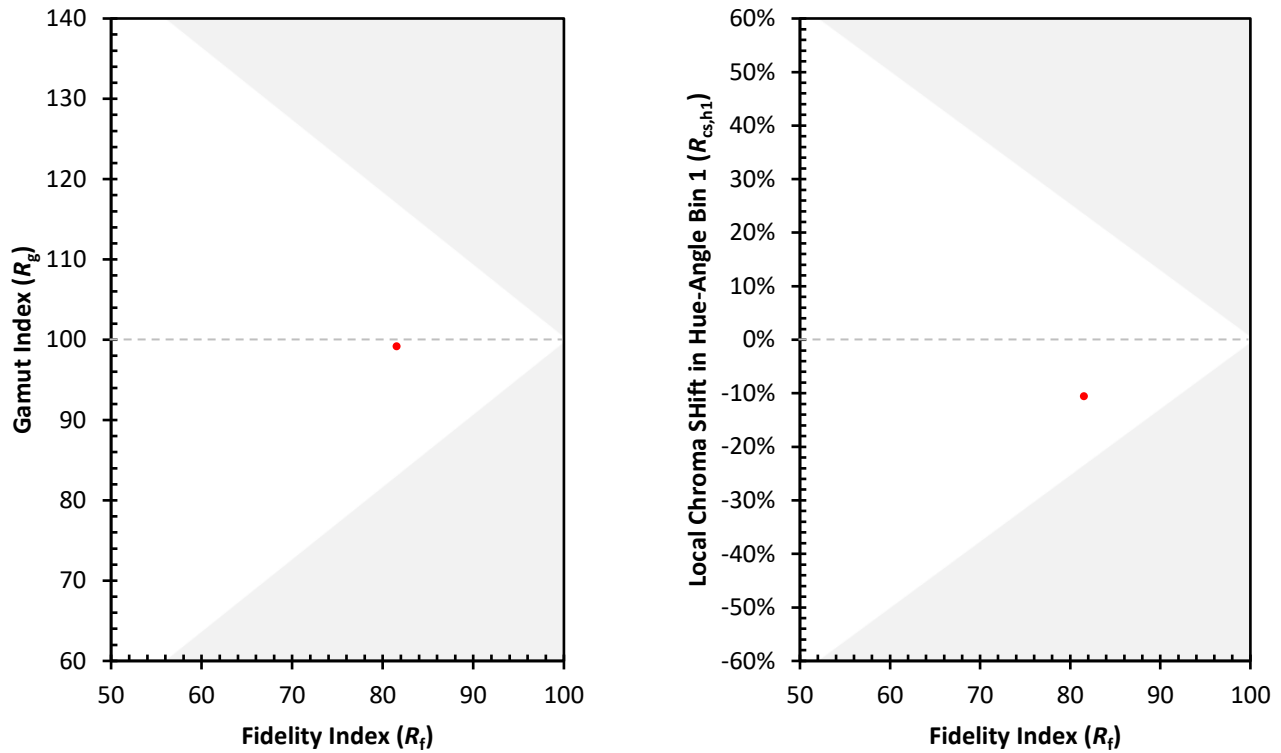
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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)