

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: P319530

Luminaire Tested: **GLEON-SA6C-830-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA6C-830-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32932 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

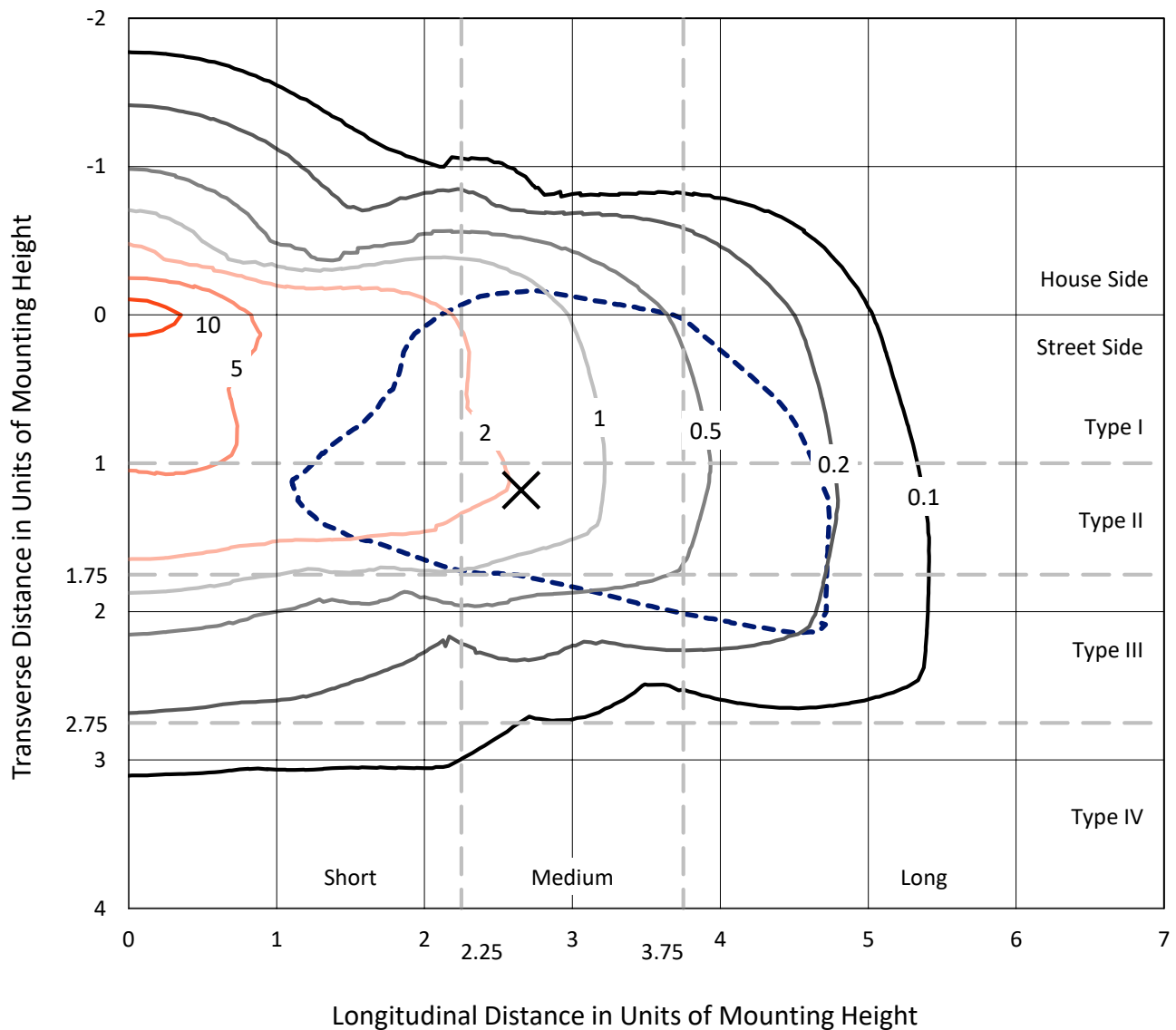
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319530
 CATALOG NUMBER: GLEON-SA6C-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

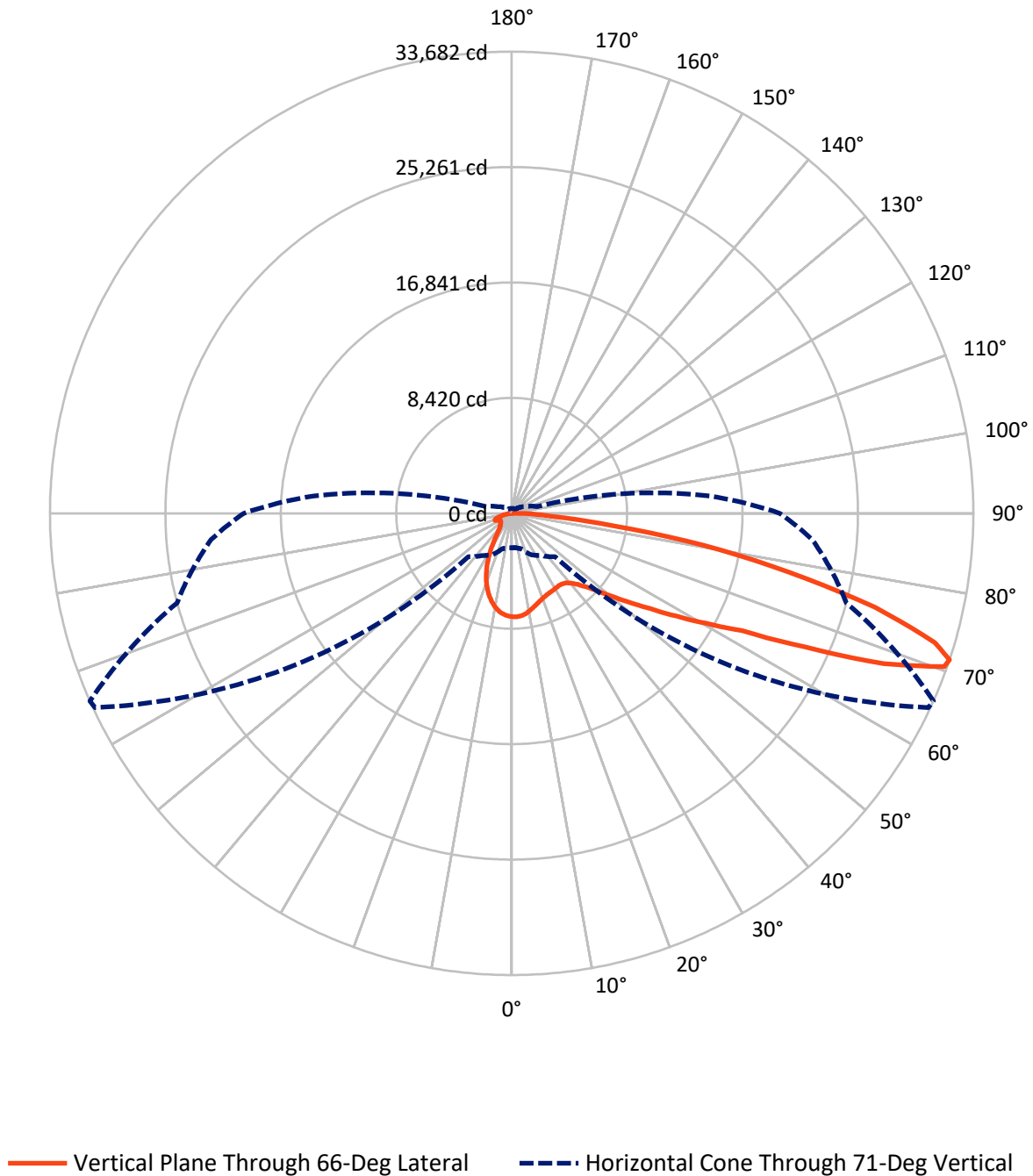
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P319530
CATALOG NUMBER: GLEON-SA6C-830-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P319530

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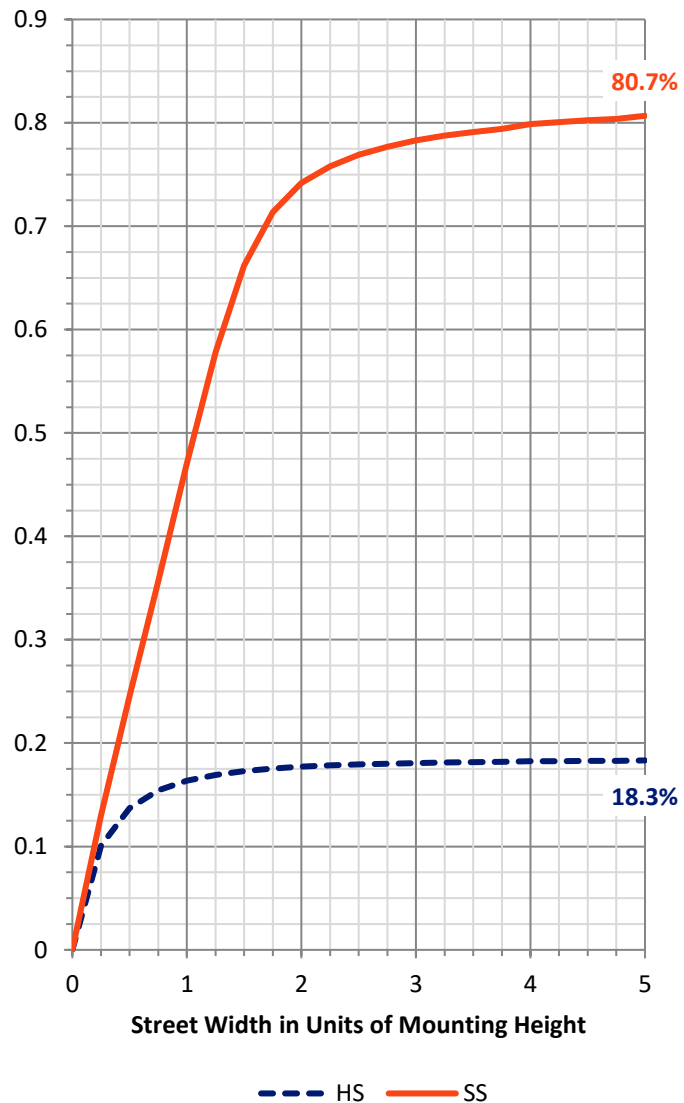
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6103.2	0.0	6103.2
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	26828.8	0.0	26828.8
	% Fixture	81.5	0.0	81.5
Total	Lumens	32932.0	0.0	32932.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	664.1	2.0
10°-20°	1592.7	4.8
20°-30°	2139.4	6.5
30°-40°	2814.3	8.5
40°-50°	4094.1	12.4
50°-60°	6395.5	19.4
60°-70°	8011.4	24.3
70°-80°	6110.9	18.6
80°-90°	1109.7	3.4
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°	32932.0	100.0
0°-180°	32932.0	100.0

Coefficient of Utilization



REPORT NUMBER: P319530

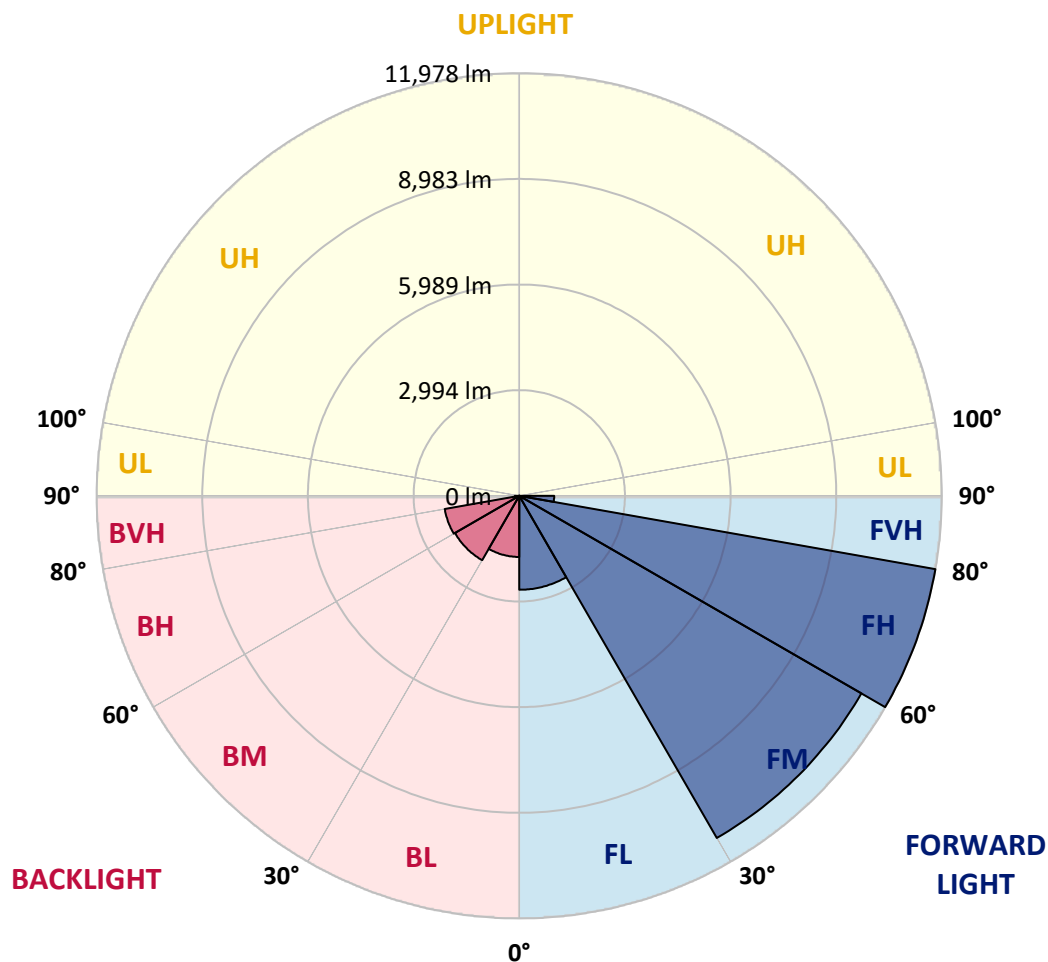
CATALOG NUMBER: GLEON-SA6C-830-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2663.0	8.1			
FM	(30°-60°)	11198.5	34.0			
FH	(60°-80°)	11977.7	36.4			G4/12000
FVH	(80°-90°)	989.6	3.0			G5
BL	(0°-30°)	1733.1	5.3	B3/2500		
BM	(30°-60°)	2105.4	6.4	B2/2500		
BH	(60°-80°)	2144.5	6.5	B3/2500		G3/2500
BVH	(80°-90°)	120.1	0.4			G2/225
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



REPORT NUMBER: P319530

CATALOG NUMBER: GLEON-SA6C-830-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1
2.5°	7404.2	7392.9	7427.0	7462.2	7475.9	7498.6	7532.7	7552.0	7550.9	7554.3	7542.9
5°	6913.0	6898.3	6966.5	7022.2	7129.1	7249.6	7396.3	7500.9	7503.2	7562.3	7578.2
7.5°	6448.0	6437.8	6516.2	6606.0	6730.0	6914.2	7151.8	7376.9	7390.6	7550.9	7606.6
10°	6075.1	6072.8	6149.0	6246.8	6391.2	6597.0	6869.8	7199.6	7220.0	7496.3	7611.2
12.5°	5784.0	5788.5	5854.5	5965.9	6118.3	6333.2	6628.8	7000.6	7033.6	7409.9	7585.0
15°	5569.1	5587.3	5640.7	5753.3	5903.4	6121.7	6425.3	6816.4	6866.4	7313.3	7570.2
17.5°	5446.3	5466.8	5504.3	5597.5	5738.5	5948.9	6236.5	6665.2	6710.7	7239.4	7571.4
20°	5409.9	5427.0	5448.6	5505.4	5624.8	5815.8	6087.6	6528.7	6577.6	7180.2	7582.7
22.5°	5481.5	5494.0	5496.3	5491.8	5564.5	5720.3	5979.6	6428.7	6481.0	7141.6	7590.7
25°	5635.0	5652.1	5639.6	5597.5	5573.6	5669.1	5923.8	6362.7	6415.0	7113.2	7574.8
27.5°	5865.9	5868.1	5857.9	5803.3	5690.8	5674.8	5906.8	6324.1	6374.1	7080.2	7541.8
30°	6179.7	6194.4	6176.3	6102.4	5918.2	5765.8	5927.3	6286.5	6332.0	7038.1	7488.4
32.5°	6546.9	6583.3	6582.2	6504.9	6241.1	5969.3	6011.4	6263.8	6299.1	6993.8	7423.6
35°	6927.8	6977.9	7071.1	7038.1	6711.8	6291.1	6172.8	6300.2	6324.1	6988.1	7378.1
37.5°	7323.5	7373.5	7565.7	7654.4	7272.3	6751.6	6427.5	6428.7	6440.0	7057.4	7374.7
40°	7737.4	7790.8	8079.6	8310.4	7998.9	7334.9	6838.0	6697.0	6684.5	7228.0	7441.8
42.5°	8317.3	8365.0	8711.8	9006.3	8805.0	8081.9	7405.4	7110.9	7084.7	7562.3	7656.6
45°	9050.6	9091.6	9460.0	9774.9	9671.4	8934.7	8118.3	7680.5	7676.0	8119.4	8092.1
47.5°	9922.7	9954.6	10285.4	10590.1	10627.7	9915.9	9014.2	8559.4	8485.5	8883.5	8766.4
50°	10831.2	10866.4	11091.6	11419.0	11697.6	11229.1	10167.2	9636.2	9537.3	9892.0	9721.5
52.5°	11432.7	11479.3	11674.9	12089.9	12900.6	12668.6	11530.5	10941.5	10791.4	11114.3	10983.5
55°	11164.3	11268.9	11568.0	12233.1	13862.5	14867.6	13212.1	12463.9	12294.5	12562.9	12485.5
57.5°	9944.3	10087.6	10495.8	11522.5	13997.8	16805.1	15754.5	14257.0	14137.6	14060.3	14095.6
60°	7714.6	7852.2	8358.2	9696.4	13055.2	18219.5	19580.5	16467.4	16294.5	15563.4	15595.3
62.5°	5459.9	5390.6	5737.4	6716.3	10608.3	18385.5	23934.1	19423.6	18855.1	17150.7	17010.9
65°	4163.7	4147.8	4303.6	4615.1	6425.3	16399.1	26527.7	24392.3	23504.3	19017.7	18688.0
67.5°	3421.3	3392.8	3546.3	4000.0	4137.6	10579.9	26584.5	30157.0	29284.9	21341.7	20627.7
70°	2813.0	2781.1	2924.4	3510.0	3823.8	5365.6	22374.1	33532.8	33486.2	24284.3	22092.2
71°	2521.9	2499.2	2670.8	3321.2	3756.7	4471.9	19317.9	33541.9	33681.7	25280.4	22005.8
72.5°	2053.4	2061.4	2243.3	2956.2	3706.7	3948.8	14197.9	31978.5	32274.1	26229.8	21220.1
75°	1364.4	1371.2	1610.0	2274.0	3594.1	3863.6	7803.3	26833.5	27377.0	25661.3	19363.3
77.5°	916.4	914.2	1076.8	1560.0	3131.3	3863.6	4575.3	20069.4	20666.4	20418.5	14927.8
80°	631.0	626.5	741.3	1076.8	2370.7	3910.2	3537.2	14064.9	14245.6	11026.8	6067.1
82.5°	386.6	390.0	484.4	760.7	1613.4	3519.1	3339.4	7669.2	7472.5	3092.7	1515.6
85°	221.7	220.6	309.3	515.1	1035.8	2969.9	3256.4	3300.7	3027.9	931.2	548.0
87.5°	79.6	85.3	166.0	285.4	593.5	2068.2	2762.9	1716.9	1547.5	420.7	247.9
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: P319530

CATALOG NUMBER: GLEON-SA6C-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1
2.5°	7535.0	7541.8	7533.9	7488.4	7449.7	7387.2	7351.9	7303.0	7288.3	7281.4	7299.6
5°	7563.4	7565.7	7498.6	7379.2	7245.0	7087.0	6973.3	6833.5	6767.5	6739.1	6757.3
7.5°	7589.6	7579.3	7432.7	7204.1	6956.2	6681.1	6436.6	6212.6	6081.9	6028.4	6033.0
10°	7593.0	7549.8	7314.4	6960.8	6576.5	6172.8	5797.6	5452.0	5233.7	5091.5	5134.8
12.5°	7557.7	7485.0	7140.4	6645.8	6112.6	5562.3	5055.2	4536.7	4225.1	4080.7	4085.3
15°	7530.4	7398.5	6926.7	6275.2	5558.9	4830.0	4137.6	3528.2	3196.1	3048.3	2979.0
17.5°	7507.7	7305.3	6678.8	5857.9	4905.1	3980.7	3148.4	2604.9	2423.0	2379.8	2361.6
20°	7475.9	7206.4	6402.5	5374.7	4160.3	3030.1	2299.0	2030.7	2031.8	2081.9	2088.7
22.5°	7431.5	7093.8	6108.0	4832.3	3361.0	2206.9	1802.2	1724.8	1803.3	1898.8	1915.9
25°	7365.6	6960.8	5780.6	4233.1	2562.8	1696.4	1539.5	1536.1	1631.6	1731.7	1746.5
27.5°	7272.3	6786.8	5416.7	3589.6	1888.6	1441.7	1379.2	1403.1	1473.6	1546.3	1552.0
30°	7147.3	6584.4	5015.4	2910.8	1480.4	1283.7	1276.9	1298.5	1341.7	1392.8	1397.4
32.5°	7009.7	6378.6	4586.7	2253.6	1267.8	1198.4	1205.2	1215.5	1235.9	1256.4	1260.9
35°	6884.6	6168.3	4147.8	1712.3	1166.6	1142.7	1138.2	1135.9	1138.2	1131.3	1132.5
37.5°	6803.9	5994.3	3690.7	1363.3	1108.6	1093.8	1080.2	1063.1	1043.8	1032.4	1034.7
40°	6774.3	5864.7	3228.0	1177.9	1060.8	1050.6	1024.4	988.1	965.3	958.5	958.5
42.5°	6853.9	5797.6	2781.1	1084.7	1021.0	1004.0	960.8	918.7	901.7	900.5	899.4
45°	7097.2	5824.9	2355.9	1033.5	984.7	951.7	894.8	859.6	848.2	850.5	849.3
47.5°	7533.9	5996.6	1992.0	999.4	948.3	905.1	841.4	813.0	799.3	799.3	800.5
50°	8276.3	6398.0	1702.1	971.0	917.6	861.9	802.7	767.5	749.3	748.2	748.2
52.5°	9357.6	7116.6	1521.3	947.1	883.5	823.2	764.1	719.7	698.1	693.6	691.3
55°	10712.9	8146.7	1471.3	931.2	838.0	781.1	717.5	673.1	649.2	639.0	637.9
57.5°	12228.6	9399.7	1570.2	911.9	791.4	731.1	666.3	624.2	599.2	586.7	585.6
60°	13762.4	10767.5	1973.9	884.6	752.7	676.5	614.0	575.3	550.3	536.7	534.4
62.5°	15298.5	12209.2	2798.2	882.3	725.4	624.2	560.5	527.6	503.7	488.9	485.5
65°	17031.3	13787.4	3735.1	942.6	716.3	576.5	506.0	479.8	459.4	445.7	444.6
67.5°	19021.1	15569.1	3645.3	1066.5	747.0	533.3	454.8	434.3	419.6	408.2	407.1
70°	19954.6	15290.6	2266.1	1154.1	790.2	491.2	405.9	391.1	379.8	371.8	368.4
71°	19563.5	14518.5	1899.9	1143.8	785.7	473.0	386.6	375.2	363.8	357.0	353.6
72.5°	18496.9	13240.5	1585.0	1064.2	734.5	440.0	361.6	350.2	340.0	332.0	329.7
75°	16598.1	11824.9	1268.9	850.5	585.6	371.8	317.2	304.7	296.8	292.2	287.7
77.5°	12201.3	8438.9	981.2	672.0	430.9	303.6	270.6	261.5	253.6	246.7	243.3
80°	4674.3	3268.9	660.6	501.4	316.1	239.9	218.3	213.8	205.8	201.3	201.3
82.5°	1258.7	976.7	352.5	303.6	211.5	175.1	167.1	164.9	158.0	148.9	150.1
85°	509.4	430.9	197.8	167.1	129.6	103.5	112.6	113.7	105.7	94.4	95.5
87.5°	224.0	183.1	110.3	73.9	56.9	39.8	51.2	51.2	46.6	38.7	35.2
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

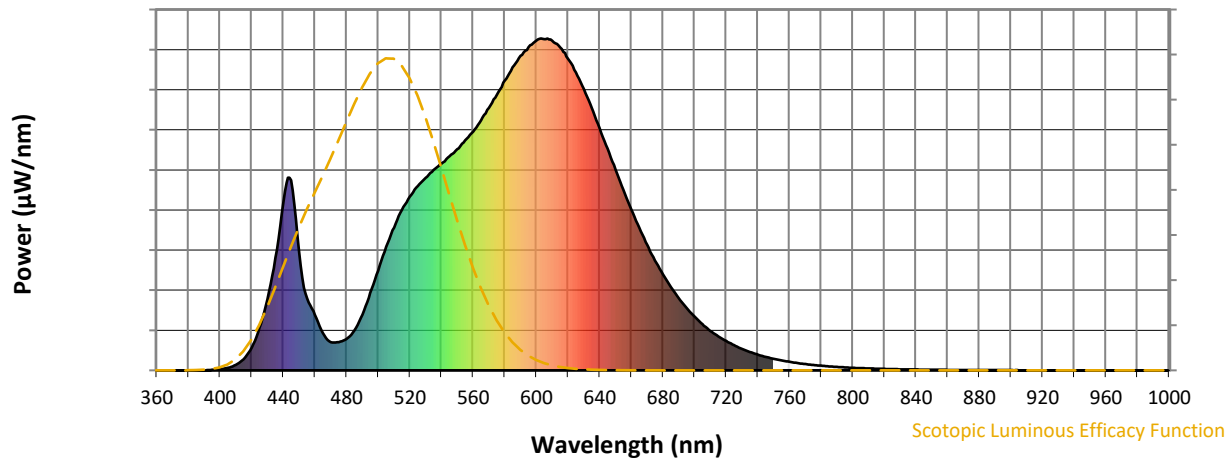


Photopic Lumens: NR

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

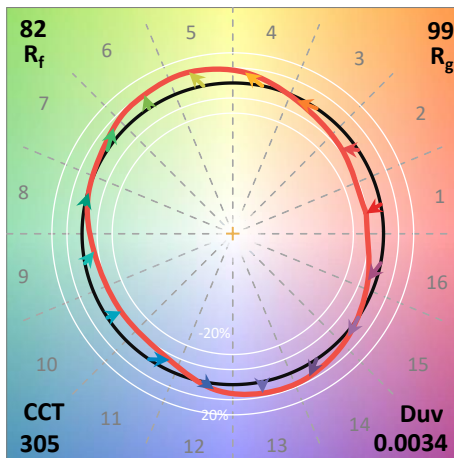
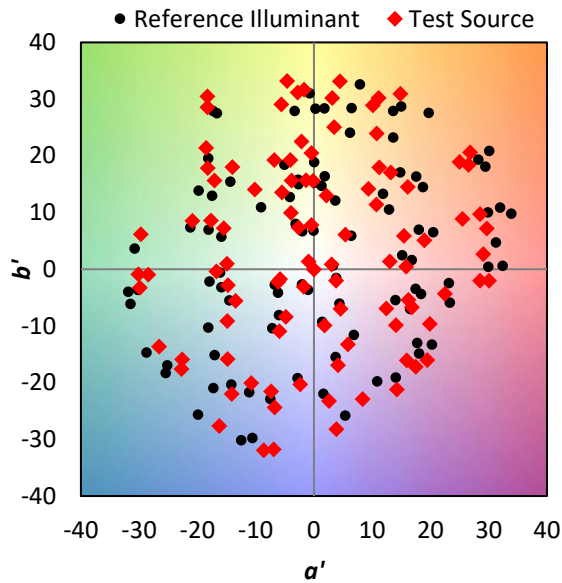
TM-30-18

Summary

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



Color Vector Graphics

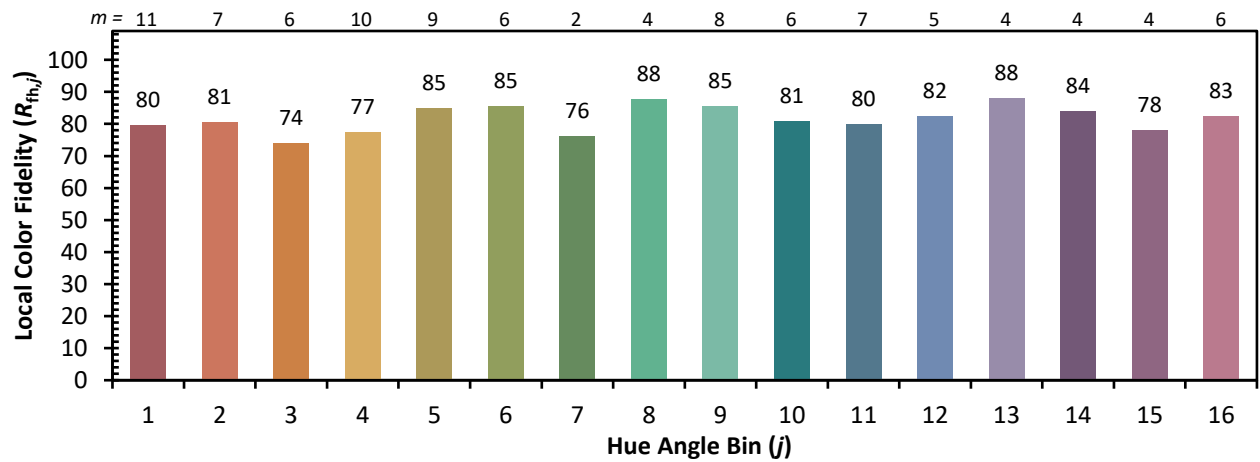
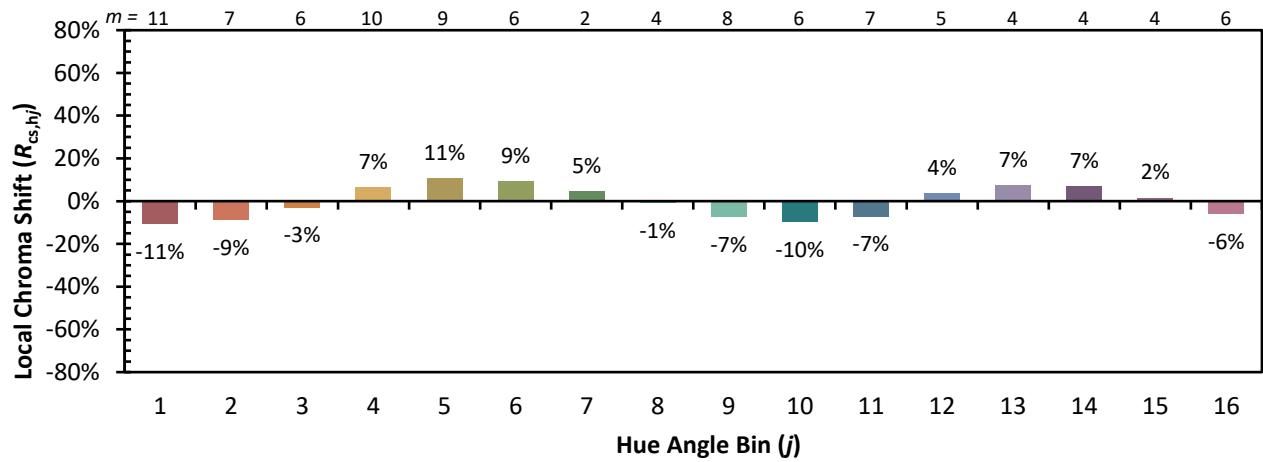


Individual Sample Fidelity Index ($R_{f,i}$)

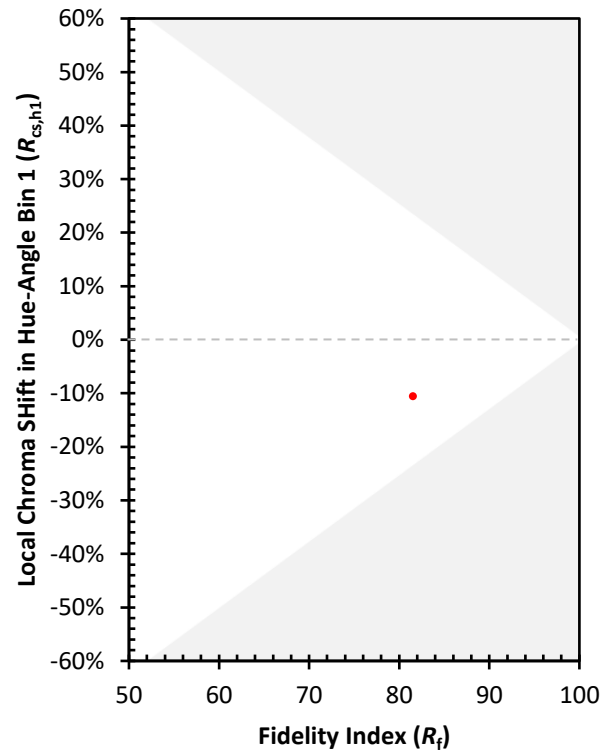
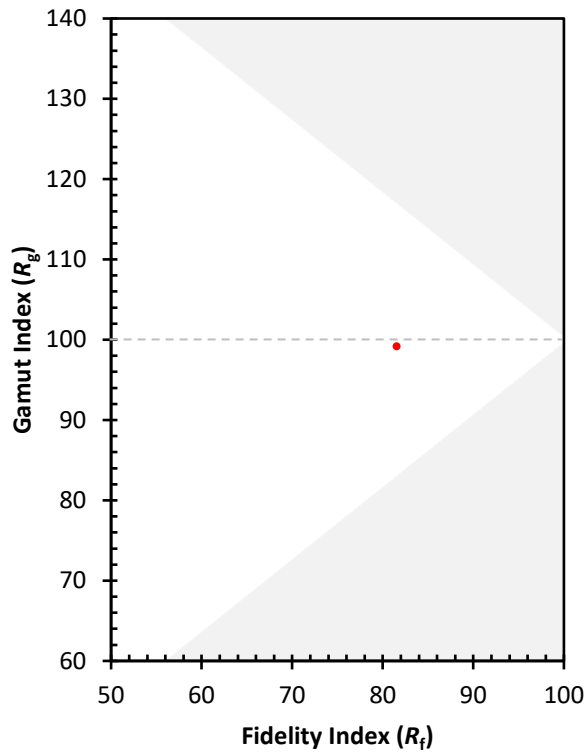
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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