

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: P1048629

Luminaire Tested: **GALN-SA9A-840-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048629
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9A-840-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 9xLight Square PACKAGE
80CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (126) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29735.4 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 244.6
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



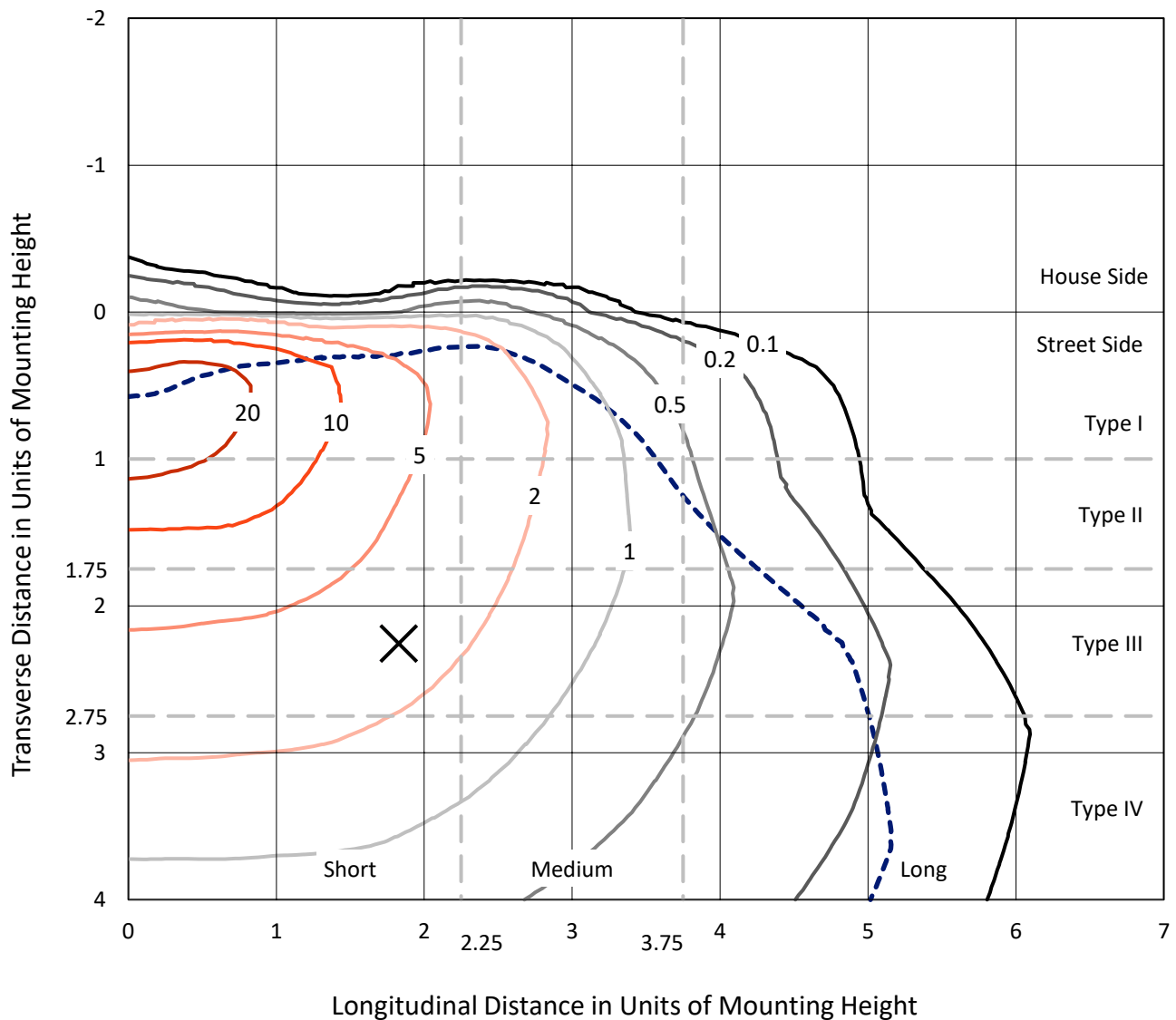
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CATALOG NUMBER: GALN-SA9A-840-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

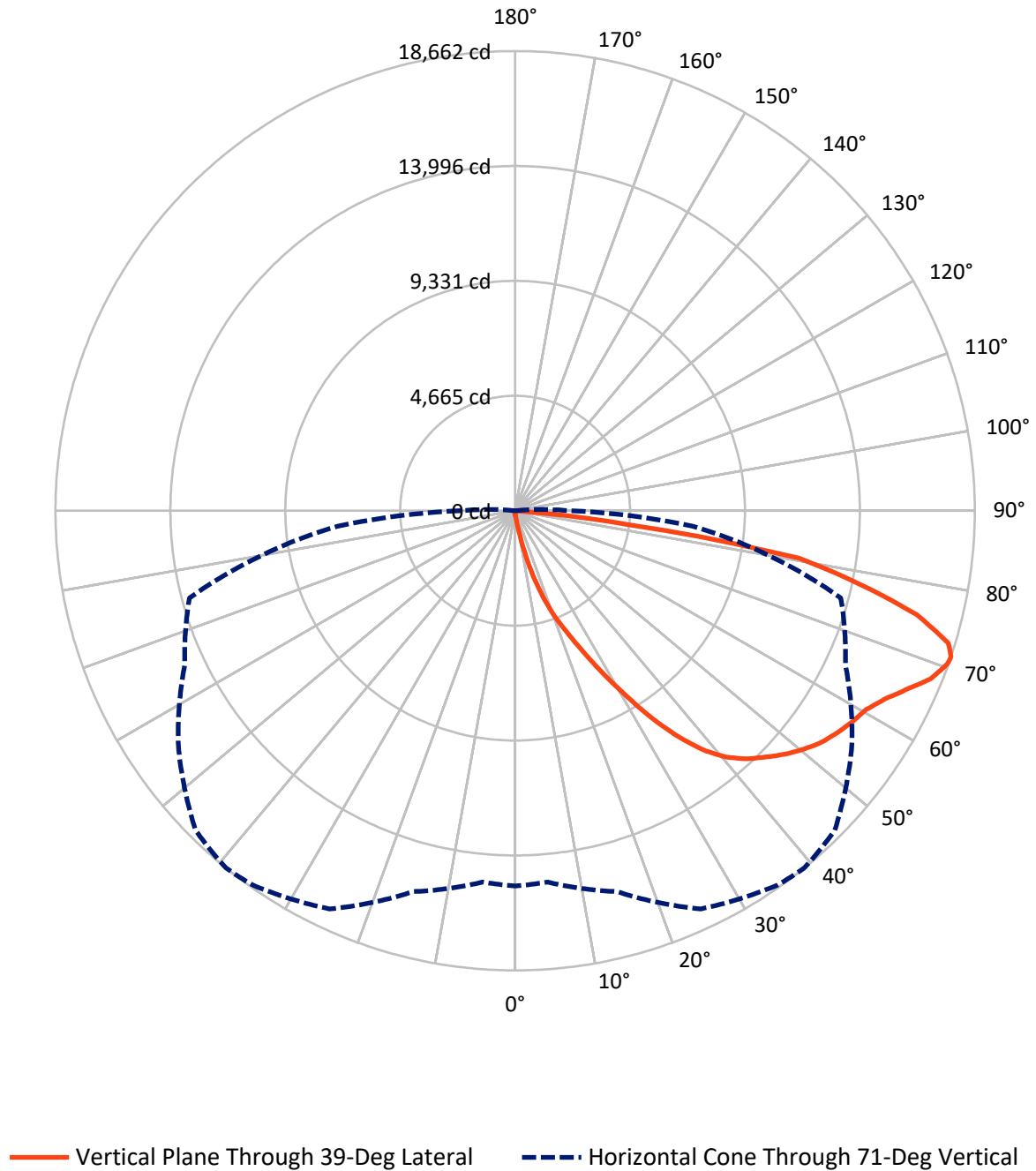


Based on 15 foot mounting height. Maximum calculated value = 30.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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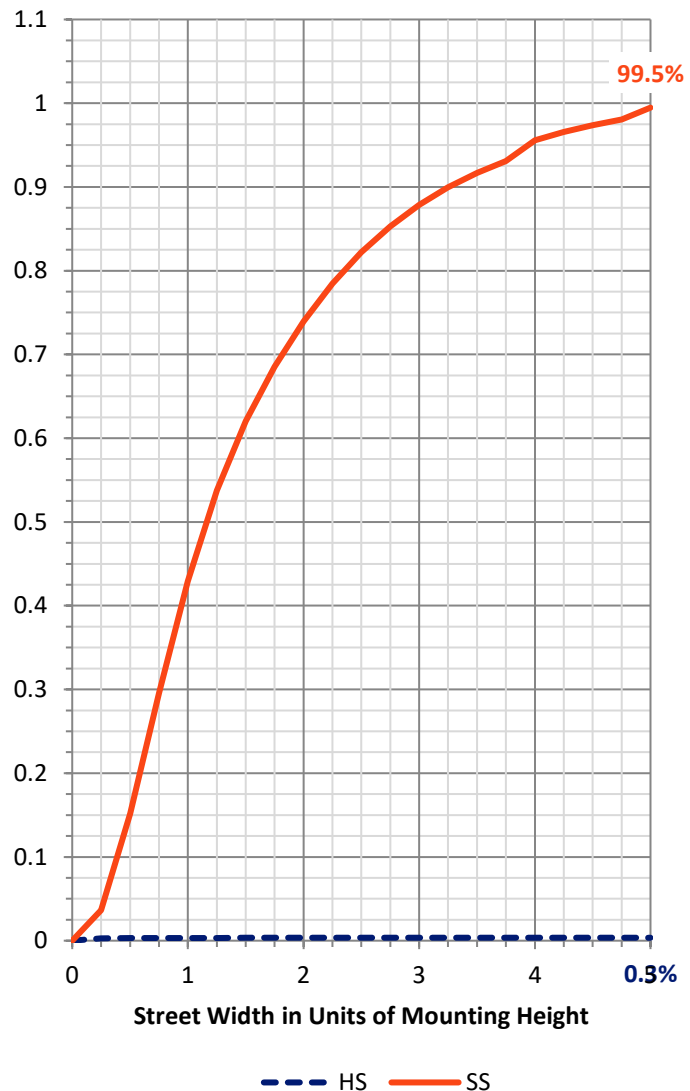
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	105.7	0.0	105.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	29629.7	0.0	29629.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	29735.4	0.0	29735.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	0.1
10°-20°	317.8	1.1
20°-30°	1131.8	3.8
30°-40°	2727.8	9.2
40°-50°	4565.1	15.4
50°-60°	5863.3	19.7
60°-70°	7420.1	25.0
70°-80°	6615.3	22.2
80°-90°	1069.3	3.6
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°	29735.4	100.0
0°-180°	29735.4	100.0



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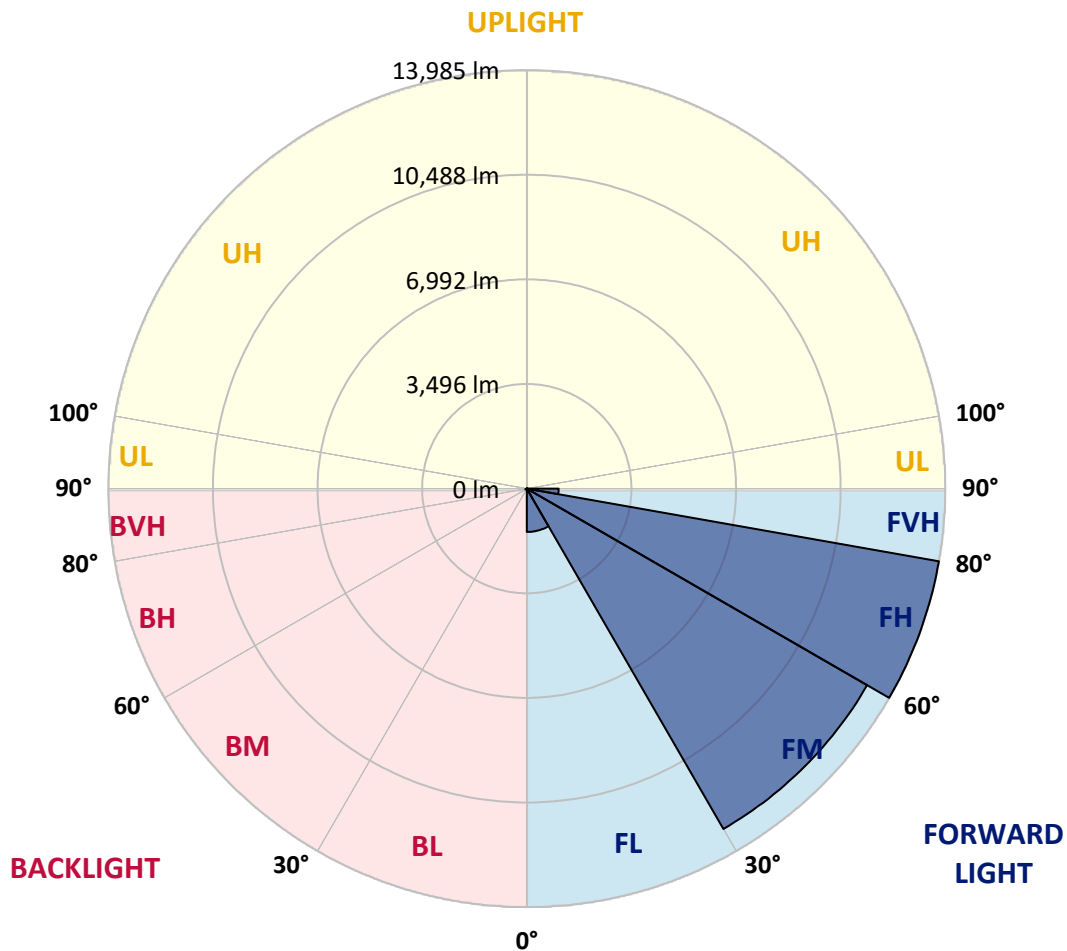
CATALOG NUMBER: GALN-SA9A-840-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1448.9	4.9			
FM	(30°-60°)	13131.7	44.2			
FH	(60°-80°)	13984.6	47.0			G5
FVH	(80°-90°)	1064.5	3.6			G5
BL	(0°-30°)	25.6	0.1	B0/110		
BM	(30°-60°)	24.4	0.1	B0/220		
BH	(60°-80°)	50.8	0.2	B0/110		G0/110
BVH	(80°-90°)	4.9	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 IV Short





REPORT NUMBER: P1048629

CATALOG NUMBER: GALN-SA9A-840-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0
2.5°	187.2	187.2	187.2	181.2	181.2	179.2	177.1	177.1	173.1	171.1	167.1
5°	283.8	277.8	263.7	255.6	239.5	229.5	219.4	205.3	191.2	181.2	169.1
7.5°	642.1	656.2	609.9	523.4	434.8	396.5	332.1	267.7	221.4	191.2	171.1
10°	1636.5	1628.5	1471.5	1298.3	1002.4	883.7	692.4	436.8	285.8	209.3	173.1
12.5°	2783.9	2775.8	2590.6	2355.1	1964.6	1717.0	1354.7	815.2	410.6	237.5	173.1
15°	3748.1	3715.9	3657.5	3424.0	2967.1	2759.7	2280.6	1441.3	664.3	285.8	177.1
17.5°	4386.2	4358.0	4303.6	4219.1	3929.2	3683.7	3299.2	2264.5	1074.9	370.4	185.2
20°	4971.9	4951.8	4907.5	4891.4	4704.2	4573.4	4255.3	3210.6	1674.8	503.2	197.3
22.5°	5777.1	5734.8	5753.0	5656.3	5473.2	5316.1	5120.9	4201.0	2407.5	724.7	219.4
25°	6763.4	6743.3	6693.0	6624.5	6370.9	6234.0	5934.1	5135.0	3226.7	1014.5	243.6
27.5°	7955.1	7933.0	7920.9	7763.9	7472.0	7323.0	6904.3	6016.6	4148.6	1421.1	275.8
30°	9327.9	9338.0	9259.5	9058.2	8718.0	8508.6	8077.9	6940.6	5092.7	1898.2	310.0
32.5°	10749.0	10728.9	10608.1	10370.6	10066.7	9871.4	9323.9	7953.1	6083.1	2528.2	350.2
35°	12280.9	12242.6	11924.6	11652.8	11393.2	11147.6	10648.4	9128.6	7073.4	3234.8	404.6
37.5°	13826.8	13647.7	13009.6	12665.3	12486.2	12284.9	11819.9	10382.7	8057.8	4023.8	471.0
40°	14994.3	14855.4	14098.6	13464.5	13321.6	13150.5	12804.2	11465.6	9104.5	4871.3	551.5
42.5°	15640.5	15564.0	14883.6	14257.6	13921.4	13770.4	13474.5	12411.7	10139.1	5807.3	668.3
45°	15916.2	15797.5	15342.5	15050.7	14515.2	14265.6	13913.4	13126.3	11220.1	6870.1	831.3
47.5°	15831.7	15763.2	15437.2	15543.8	15155.3	14766.8	14249.5	13673.8	12144.0	8090.0	1054.8
50°	15300.3	15241.9	15141.3	15719.0	15670.7	15211.7	14684.3	14106.6	12898.8	9348.0	1401.0
52.5°	14289.8	14265.6	14523.3	15582.1	15962.5	15604.2	15103.0	14489.1	13603.4	10662.5	1896.2
55°	12987.4	13086.0	13822.8	15368.7	16111.5	15894.1	15473.4	14847.4	14169.0	11838.0	2626.9
57.5°	12452.0	12478.1	13398.1	15217.7	16177.9	16149.7	15833.7	15189.6	14688.3	12778.1	3742.0
60°	13078.0	13037.7	13522.9	15332.5	16310.8	16379.2	16153.8	15507.6	15139.2	13585.3	5227.6
62.5°	14209.3	14187.1	14342.1	15821.6	16699.3	16838.1	16598.6	15737.1	15537.8	14116.7	6922.5
65°	15219.8	15173.5	15461.3	16689.2	17381.6	17480.3	17270.9	16129.6	15712.9	14503.2	8514.7
67.5°	15656.6	15646.5	16109.5	17514.5	18098.2	18204.9	18021.8	16671.1	15672.7	14625.9	9217.2
70°	15457.3	15419.0	16159.8	17864.7	18502.8	18623.6	18446.5	16872.4	15235.9	14237.4	8176.5
71°	15237.9	15135.2	16008.8	17840.6	18559.2	18661.9	18351.9	16689.2	14797.0	13685.9	7232.5
72.5°	14557.5	14575.6	15594.2	17589.0	18424.3	18394.1	17816.4	16033.0	14267.6	12433.9	5809.3
75°	12882.7	12989.4	14251.5	16532.2	17220.6	16836.1	15952.5	14778.9	13204.8	8915.3	4033.9
77.5°	10527.6	10686.6	12073.5	14499.1	14303.9	14265.6	14229.4	13021.6	11276.4	4788.8	2806.0
80°	5026.3	5370.5	7282.8	10350.5	11244.2	11677.0	11405.3	10493.4	8720.0	2280.6	1676.8
82.5°	328.1	324.1	458.9	869.6	3665.5	4738.4	7528.4	7500.2	6079.0	1111.1	684.4
85°	155.0	159.0	175.1	199.3	231.5	253.6	350.2	2053.2	2908.7	529.4	149.0
87.5°	90.6	92.6	108.7	138.9	181.2	201.3	239.5	308.0	378.4	291.9	32.2
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: P1048629

CATALOG NUMBER: GALN-SA9A-840-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0
2.5°	165.1	163.0	157.0	151.0	144.9	140.9	138.9	140.9	140.9	142.9	142.9
5°	165.1	159.0	149.0	136.9	128.8	120.8	116.7	114.7	116.7	116.7	116.7
7.5°	163.0	153.0	138.9	124.8	114.7	104.7	100.6	98.6	98.6	100.6	100.6
10°	159.0	149.0	130.8	114.7	102.7	90.6	84.5	78.5	78.5	78.5	80.5
12.5°	157.0	142.9	120.8	104.7	88.6	74.5	62.4	56.4	58.4	58.4	58.4
15°	153.0	136.9	114.7	94.6	74.5	56.4	46.3	40.3	42.3	44.3	42.3
17.5°	153.0	134.9	106.7	82.5	58.4	42.3	34.2	30.2	30.2	32.2	32.2
20°	153.0	130.8	100.6	70.5	44.3	32.2	24.2	22.1	22.1	26.2	28.2
22.5°	157.0	130.8	92.6	58.4	36.2	24.2	18.1	16.1	18.1	22.1	24.2
25°	163.0	128.8	84.5	52.3	30.2	18.1	14.1	10.1	12.1	16.1	18.1
27.5°	169.1	126.8	76.5	46.3	24.2	14.1	10.1	8.1	6.0	8.1	8.1
30°	175.1	126.8	68.4	38.2	20.1	10.1	6.0	4.0	2.0	0.0	0.0
32.5°	179.2	122.8	62.4	30.2	16.1	8.1	4.0	2.0	0.0	0.0	0.0
35°	183.2	118.8	54.3	24.2	12.1	6.0	2.0	0.0	0.0	0.0	0.0
37.5°	187.2	112.7	46.3	20.1	10.1	4.0	0.0	0.0	0.0	0.0	0.0
40°	191.2	104.7	38.2	18.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	195.3	98.6	32.2	14.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	205.3	94.6	26.2	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	223.4	90.6	24.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	249.6	86.6	22.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	285.8	84.5	20.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	350.2	82.5	18.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	461.0	80.5	18.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	706.5	76.5	18.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1262.1	74.5	16.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2200.1	76.5	16.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3154.3	80.5	14.1	6.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2699.3	70.5	14.1	8.1	4.0	2.0	0.0	0.0	0.0	0.0	0.0
71°	2200.1	62.4	14.1	8.1	4.0	2.0	2.0	0.0	0.0	0.0	0.0
72.5°	1415.1	48.3	12.1	8.1	4.0	4.0	2.0	0.0	0.0	0.0	0.0
75°	597.8	40.3	12.1	8.1	6.0	4.0	4.0	2.0	0.0	0.0	0.0
77.5°	255.6	30.2	12.1	10.1	8.1	6.0	6.0	4.0	2.0	0.0	0.0
80°	96.6	24.2	14.1	12.1	10.1	10.1	8.1	4.0	2.0	0.0	0.0
82.5°	44.3	20.1	14.1	12.1	12.1	10.1	8.1	6.0	4.0	0.0	0.0
85°	28.2	18.1	14.1	12.1	12.1	10.1	10.1	6.0	4.0	0.0	0.0
87.5°	22.1	18.1	14.1	14.1	12.1	12.1	8.1	6.0	2.0	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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-11
 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-840-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3897
 CIE u' : 0.2249
 CIE v' : 0.5084
 Duv: 0.0039
 CIE x: 0.3882
 CIE y: 0.3900
 CIE z: 0.2218
 Peak Wavelength (nm): 445
 Dominant Wavelength (nm): 577
 Purity: 33.54925
 R_f: 81.8
 R_g: 98.6

CRI (Ra): 80.2
 R1: 78.9
 R2: 83.5
 R3: 88.3
 R4: 82.1
 R5: 78.8
 R6: 78.4
 R7: 85.8
 R8: 65.8
 R9: 6.7
 R10: 61.9
 R11: 81.9
 R12: 58.9
 R13: 79.2
 R14: 93.2
 R15: 71.9



Test Conditions

Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-11

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 4000K 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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.57

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.06

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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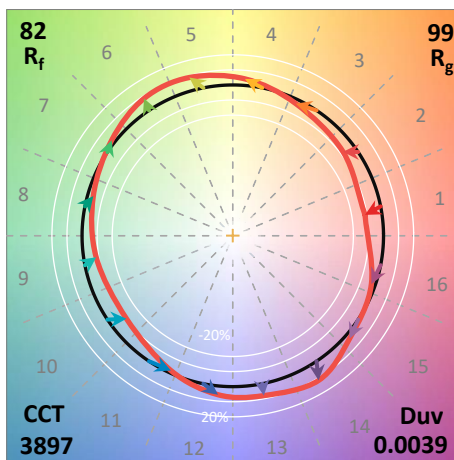
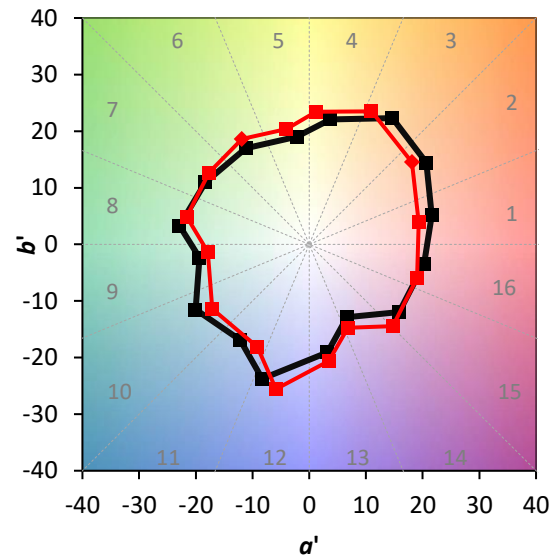
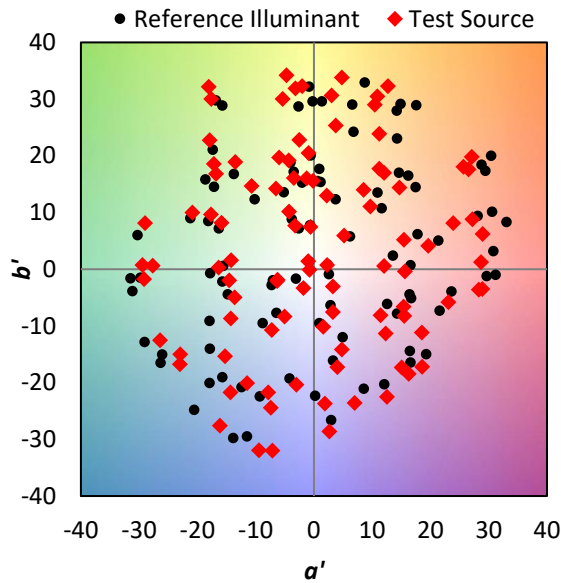
TM-30-18

Summary

$R_f = 81.8$
 $R_g = 98.6$
 $CIE R_a = 80.2$
 $R_9 = 6.7$



Color Vector Graphics

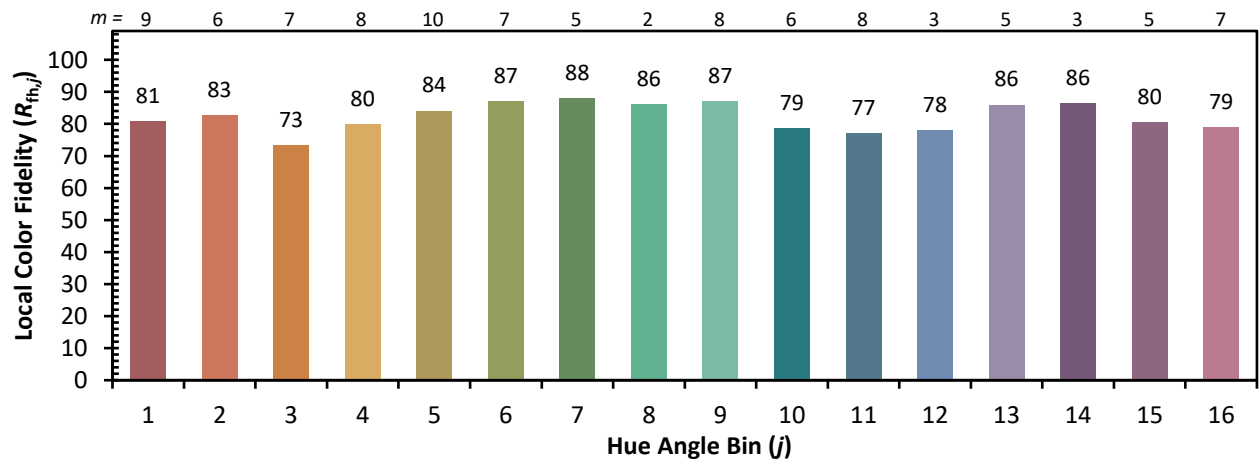
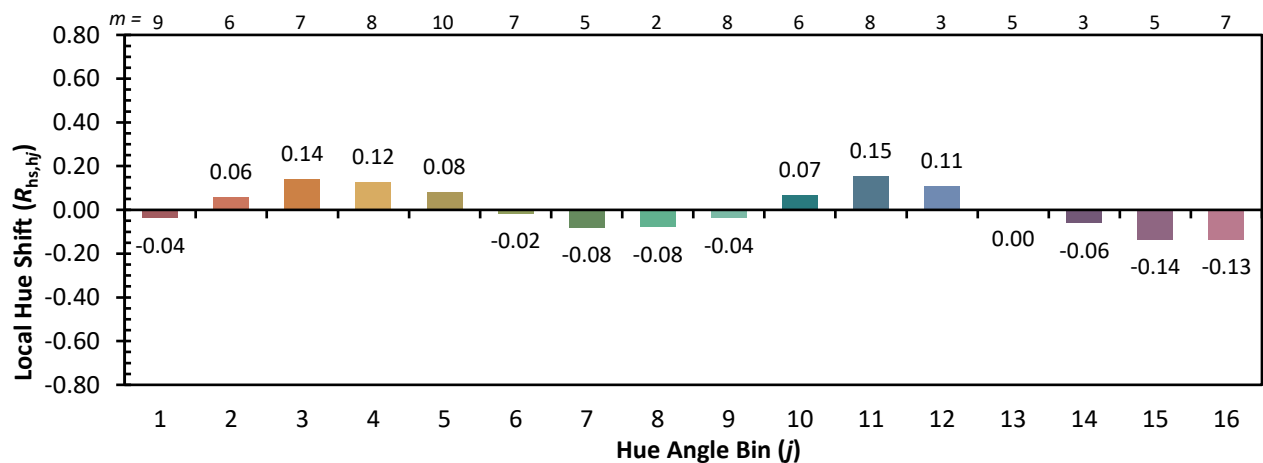
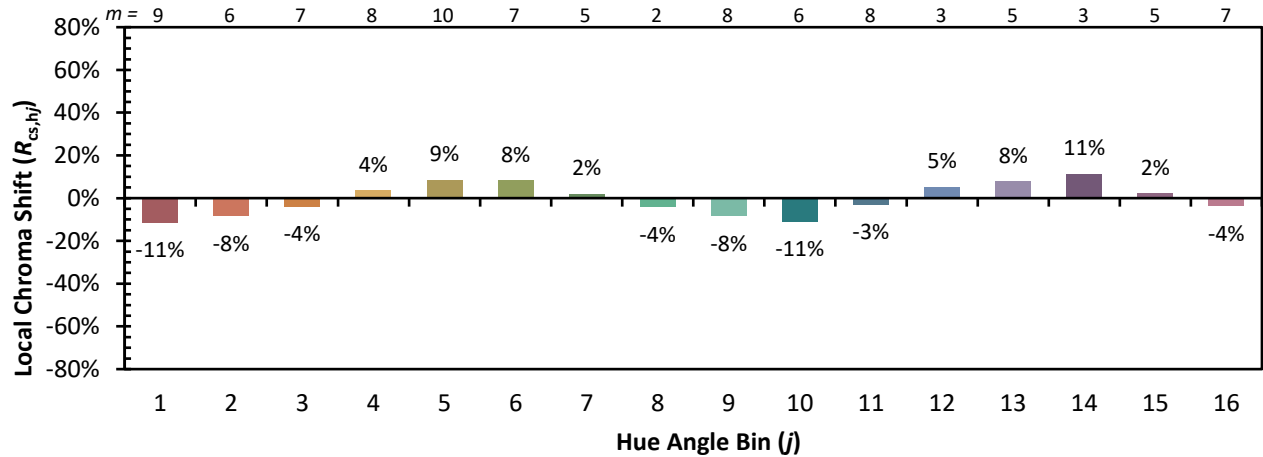


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)