

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: P1047495

Luminaire Tested: **GALN-SA4C-930-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047495
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4C-930-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
90CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16287.8 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 190.4
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

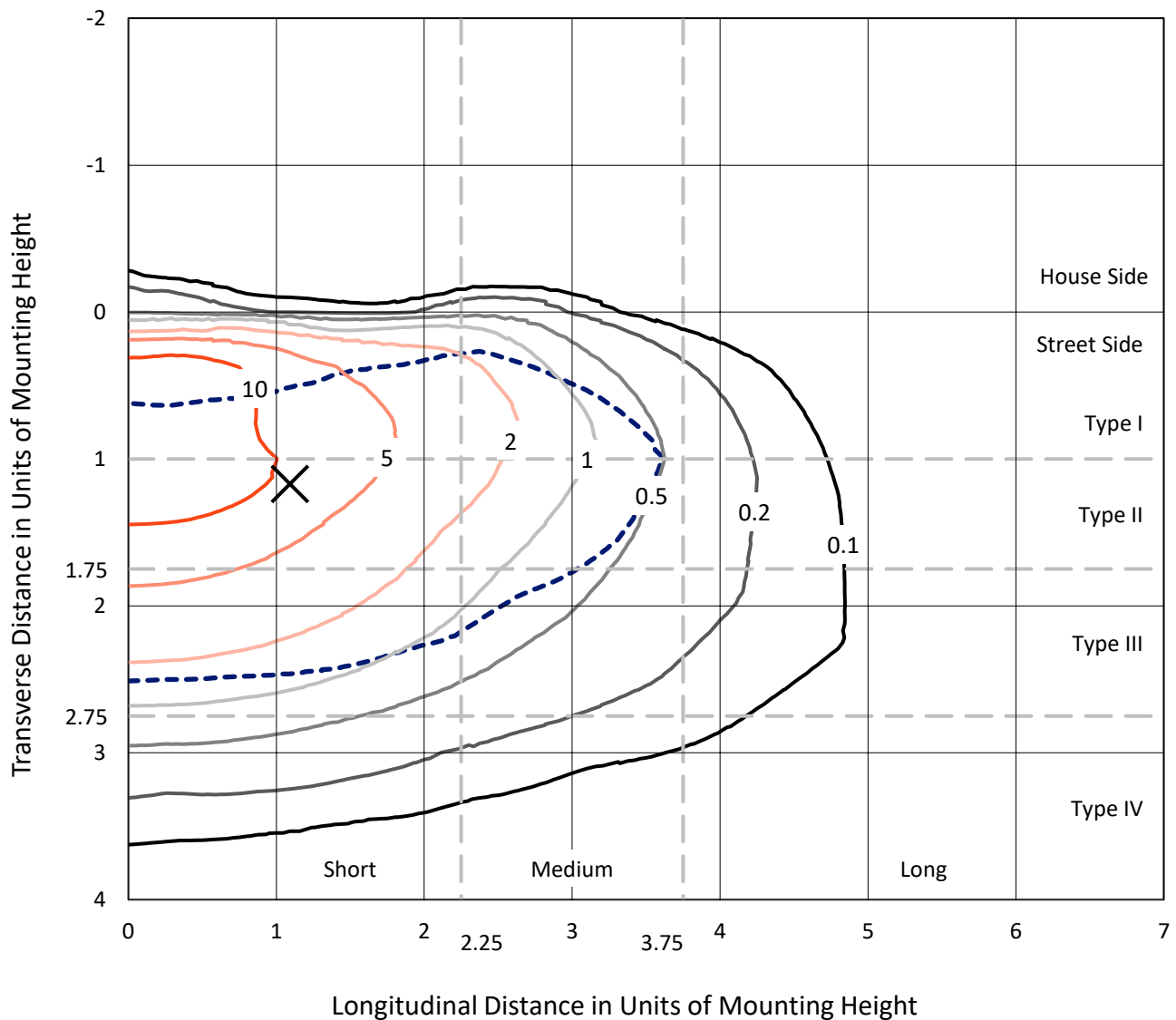


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

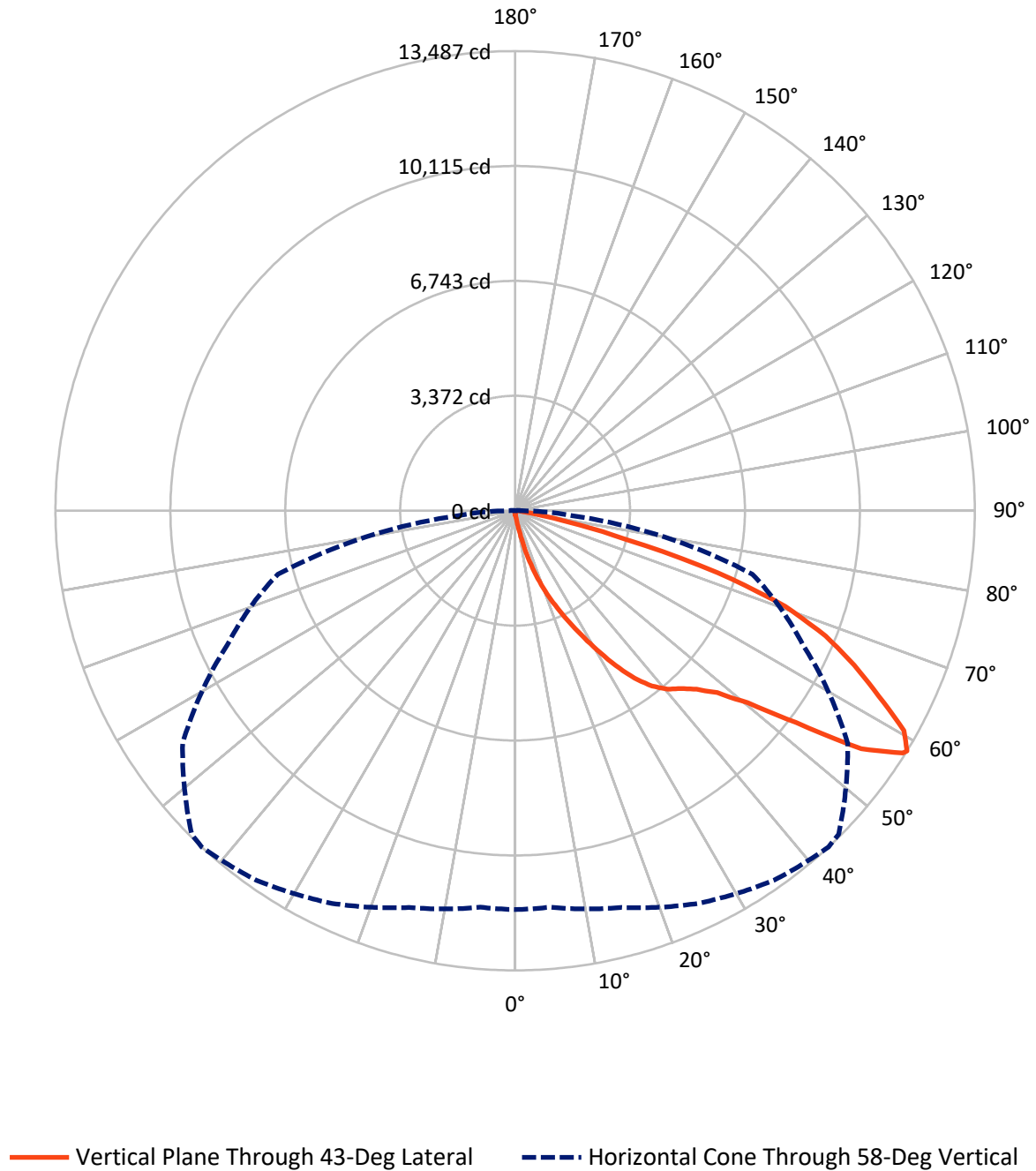


Based on 15 foot mounting height. Maximum calculated value = 18.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GALN-SA4C-930-U-T3BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	59.5	0.0	59.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	16228.3	0.0	16228.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	16287.8	0.0	16287.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	0.1
10°-20°	187.2	1.1
20°-30°	674.8	4.1
30°-40°	1544.0	9.5
40°-50°	2604.1	16.0
50°-60°	4297.4	26.4
60°-70°	4802.9	29.5
70°-80°	1983.0	12.2
80°-90°	178.8	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°	16287.8	100.0
0°-180°	16287.8	100.0



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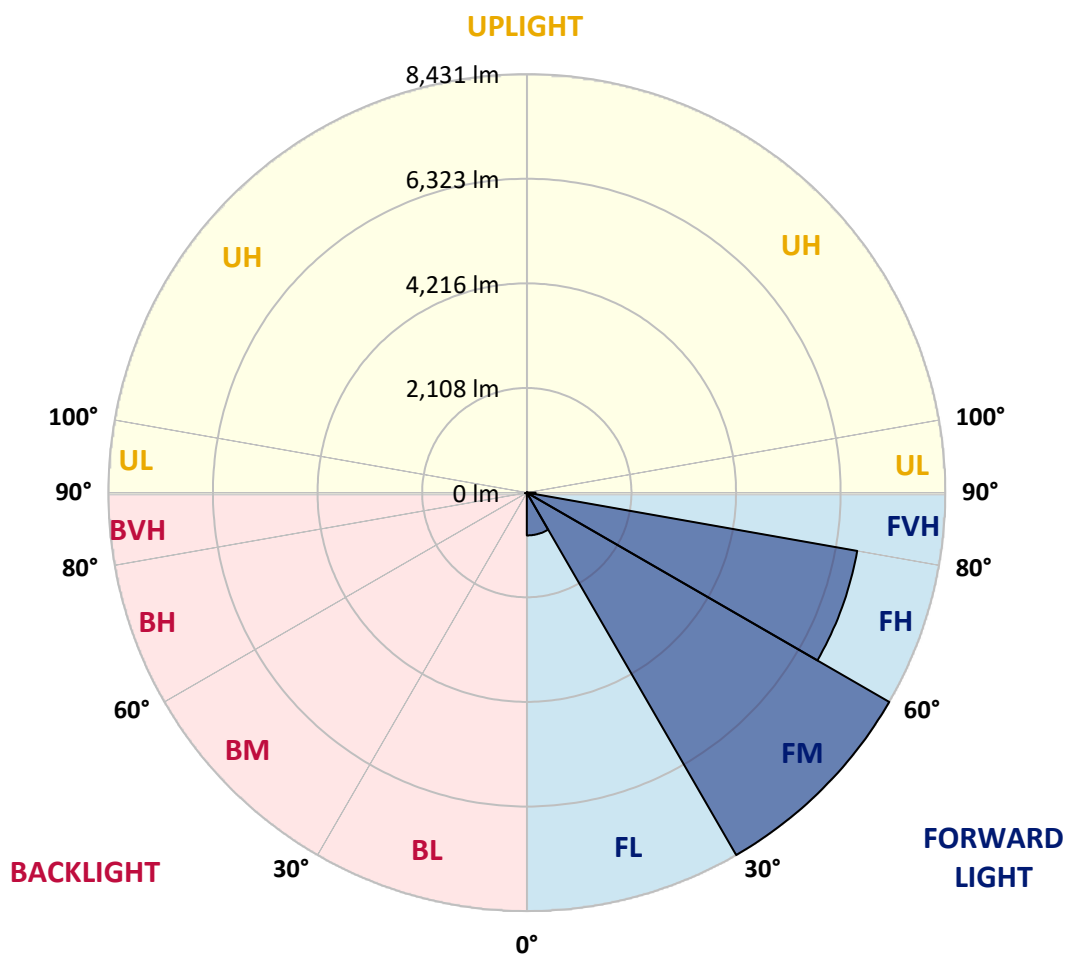
CATALOG NUMBER: GALN-SA4C-930-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	862.1	5.3			
FM	(30°-60°)	8431.2	51.8			
FH	(60°-80°)	6758.7	41.5			G3/7500
FVH	(80°-90°)	176.3	1.1			G2/225
BL	(0°-30°)	15.5	0.1	B0/110		
BM	(30°-60°)	14.3	0.1	B0/220		
BH	(60°-80°)	27.3	0.2	B0/110		G0/110
BVH	(80°-90°)	2.5	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-G3

Type III Short



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CATALOG NUMBER: GALN-SA4C-930-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5
2.5°	127.8	132.1	127.8	127.8	127.8	123.5	123.5	119.3	119.3	115.0	110.8
5°	187.4	187.4	174.7	166.1	157.6	153.4	149.1	140.6	132.1	123.5	115.0
7.5°	417.5	417.5	379.1	328.0	259.9	221.5	213.0	174.7	149.1	132.1	115.0
10°	996.8	996.8	911.6	771.0	596.4	443.0	396.2	251.3	178.9	140.6	119.3
12.5°	1657.1	1678.4	1571.9	1393.0	1133.1	864.8	771.0	460.1	238.6	153.4	119.3
15°	2249.2	2198.1	2168.3	1997.9	1750.8	1431.3	1312.1	775.3	345.1	174.7	119.3
17.5°	2649.7	2649.7	2607.1	2492.1	2266.3	1985.1	1887.1	1252.4	558.1	200.2	123.5
20°	3118.3	3118.3	3041.6	2960.7	2760.4	2521.9	2428.2	1780.7	864.8	255.6	123.5
22.5°	3684.8	3693.4	3608.2	3463.3	3271.6	3007.5	2926.6	2270.5	1252.4	340.8	127.8
25°	4374.9	4383.5	4259.9	4123.6	3829.7	3544.3	3420.7	2832.9	1725.3	477.1	127.8
27.5°	5137.5	5197.1	5013.9	4779.6	4468.7	4110.8	4017.1	3339.8	2193.9	673.1	136.3
30°	6087.4	6087.4	5844.6	5516.6	5180.1	4737.0	4617.8	3872.3	2692.3	932.9	144.8
32.5°	6905.3	6841.4	6530.5	6185.4	5827.6	5414.4	5286.6	4430.3	3203.5	1256.7	161.9
35°	7531.6	7476.2	7092.8	6722.2	6411.2	6032.1	5878.7	5035.2	3744.5	1623.0	187.4
37.5°	8068.3	8047.0	7527.3	7063.0	6858.5	6526.2	6389.9	5606.1	4277.0	2019.2	217.3
40°	8656.2	8588.0	8034.2	7459.1	7152.4	6884.0	6760.5	6066.1	4788.2	2483.5	259.9
42.5°	9158.9	9077.9	8579.5	8017.2	7493.2	7131.1	7011.8	6453.8	5286.6	2947.9	315.2
45°	9716.9	9674.3	9171.6	8745.6	8047.0	7467.7	7310.0	6764.8	5742.4	3501.7	387.7
47.5°	10556.1	10479.4	10010.8	9661.5	8852.1	7978.9	7753.1	7084.3	6181.2	4046.9	498.4
50°	11531.6	11480.5	11203.6	10926.7	10121.6	8852.1	8583.8	7544.3	6671.1	4694.4	643.2
52.5°	12328.2	12319.7	12353.8	12358.1	11748.9	10321.8	9921.4	8285.6	7233.4	5333.4	847.7
55°	12311.2	12349.5	12724.4	13154.7	13201.5	12328.2	11940.6	9533.7	7966.1	6121.5	1133.1
57.5°	11851.1	11821.3	12217.5	12865.0	13320.8	13414.5	13350.6	11472.0	9069.4	7071.5	1571.9
58°	11702.0	11676.5	12051.3	12711.6	13235.6	13486.9	13423.0	11910.8	9316.5	7207.8	1691.2
60°	11161.0	11165.3	11386.8	11987.4	12511.4	13107.8	13167.4	13163.2	10547.6	8119.4	2291.8
62.5°	10445.3	10411.3	10615.7	11105.6	11565.7	11966.1	12068.4	13248.4	12349.5	9278.1	3437.8
65°	9457.0	9405.9	9623.2	10177.0	10671.1	10931.0	10935.2	12106.7	13197.3	10522.0	5073.6
67.5°	7621.0	7578.4	8012.9	8724.3	9486.9	9827.7	9981.0	10505.0	12481.6	11365.5	6010.8
70°	4668.9	4758.3	5363.3	6479.4	7782.9	8409.1	8639.1	8801.0	10628.5	11237.7	5026.7
72.5°	2155.5	2049.0	2564.5	3344.0	4830.8	6223.8	6462.3	7097.0	8426.1	9755.2	3748.7
75°	1005.3	967.0	1086.3	1461.2	2189.6	3361.1	3795.6	5665.7	6462.3	6786.1	2705.1
77.5°	515.5	519.7	617.7	664.5	903.1	1554.9	1784.9	3727.4	4737.0	3787.1	1814.7
80°	225.8	234.3	238.6	259.9	366.4	600.7	677.3	1729.5	3237.5	1929.7	992.6
82.5°	144.8	149.1	149.1	149.1	174.7	238.6	272.6	694.4	1614.5	958.5	306.7
85°	76.7	76.7	85.2	106.5	123.5	144.8	153.4	221.5	532.5	285.4	72.4
87.5°	42.6	46.9	51.1	63.9	80.9	98.0	106.5	153.4	204.5	196.0	17.0
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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CATALOG NUMBER: GALN-SA4C-930-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5
2.5°	110.8	106.5	102.2	98.0	93.7	89.5	89.5	89.5	89.5	89.5	89.5
5°	106.5	102.2	98.0	89.5	80.9	76.7	72.4	68.2	68.2	68.2	68.2
7.5°	106.5	102.2	89.5	80.9	72.4	63.9	55.4	55.4	55.4	55.4	55.4
10°	106.5	98.0	85.2	72.4	59.6	51.1	46.9	42.6	42.6	42.6	42.6
12.5°	106.5	93.7	80.9	63.9	51.1	42.6	38.3	34.1	34.1	34.1	34.1
15°	106.5	93.7	76.7	59.6	46.9	34.1	29.8	25.6	25.6	25.6	25.6
17.5°	102.2	89.5	72.4	51.1	38.3	25.6	21.3	17.0	17.0	21.3	21.3
20°	98.0	85.2	63.9	42.6	29.8	21.3	12.8	12.8	12.8	12.8	12.8
22.5°	98.0	85.2	59.6	38.3	25.6	12.8	8.5	8.5	8.5	8.5	12.8
25°	98.0	80.9	51.1	29.8	17.0	8.5	4.3	4.3	4.3	4.3	4.3
27.5°	98.0	80.9	46.9	25.6	12.8	8.5	4.3	0.0	0.0	0.0	0.0
30°	93.7	76.7	42.6	21.3	8.5	4.3	0.0	0.0	0.0	0.0	0.0
32.5°	93.7	72.4	34.1	17.0	8.5	4.3	0.0	0.0	0.0	0.0	0.0
35°	98.0	68.2	29.8	12.8	4.3	0.0	0.0	0.0	0.0	0.0	4.3
37.5°	102.2	63.9	25.6	8.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0
40°	106.5	59.6	25.6	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	115.0	59.6	21.3	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	123.5	59.6	17.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	140.6	63.9	17.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	153.4	68.2	12.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	170.4	63.9	12.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	191.7	63.9	12.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	208.7	59.6	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	217.3	55.4	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	259.9	51.1	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	404.7	42.6	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	822.2	38.3	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1533.6	34.1	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1716.8	38.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1082.0	29.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	570.8	29.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	285.4	29.8	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	132.1	21.3	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	55.4	12.8	8.5	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	25.6	12.8	8.5	8.5	4.3	4.3	0.0	0.0	0.0	0.0	0.0
87.5°	12.8	12.8	12.8	8.5	8.5	4.3	4.3	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: SP1-2407-184-14

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-930-U-5WQ

Data in this report applies to families of products including GSS-SB1A-930-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-14
 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-930-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2993
 CIE u' : 0.2501
 CIE v' : 0.5245
 Duv: 0.0021
 CIE x: 0.4406
 CIE y: 0.4107
 CIE z: 0.1487
 Peak Wavelength (nm): 621
 Dominant Wavelength (nm): 582
 Purity: 55.53327
 R_f: 92.6
 R_g: 98.5

CRI (Ra): 92.4
 R1: 92.2
 R2: 95.2
 R3: 97.0
 R4: 93.1
 R5: 91.7
 R6: 94.2
 R7: 93.3
 R8: 82.3
 R9: 58.2
 R10: 87.7
 R11: 93.5
 R12: 81.7
 R13: 92.9
 R14: 97.6
 R15: 88.1



Test Conditions

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

REPORT NUMBER: SP1-2407-184-14

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: SP1-2407-184-14

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

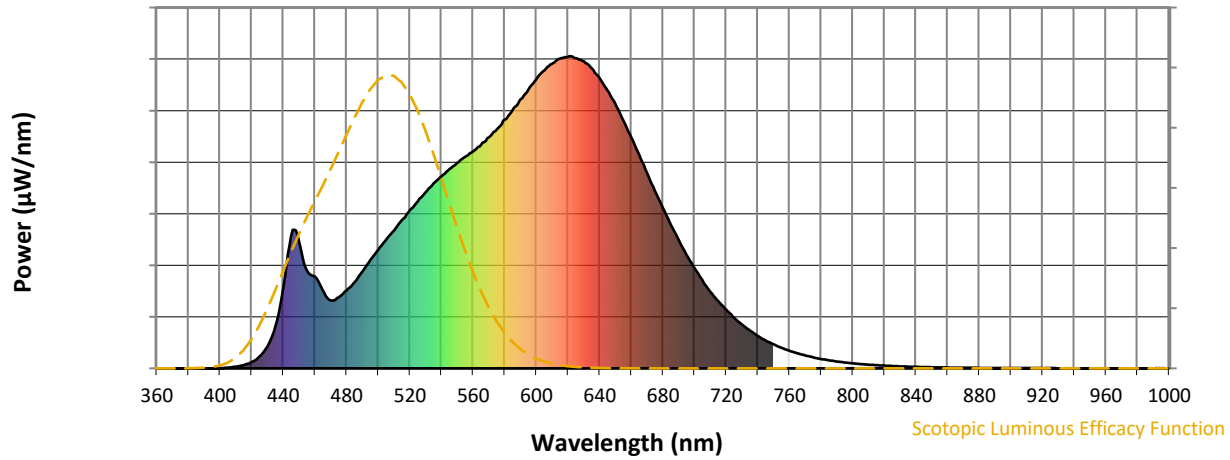


Photopic Lumens: NR

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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Scotopic Flux vs. Wavelength



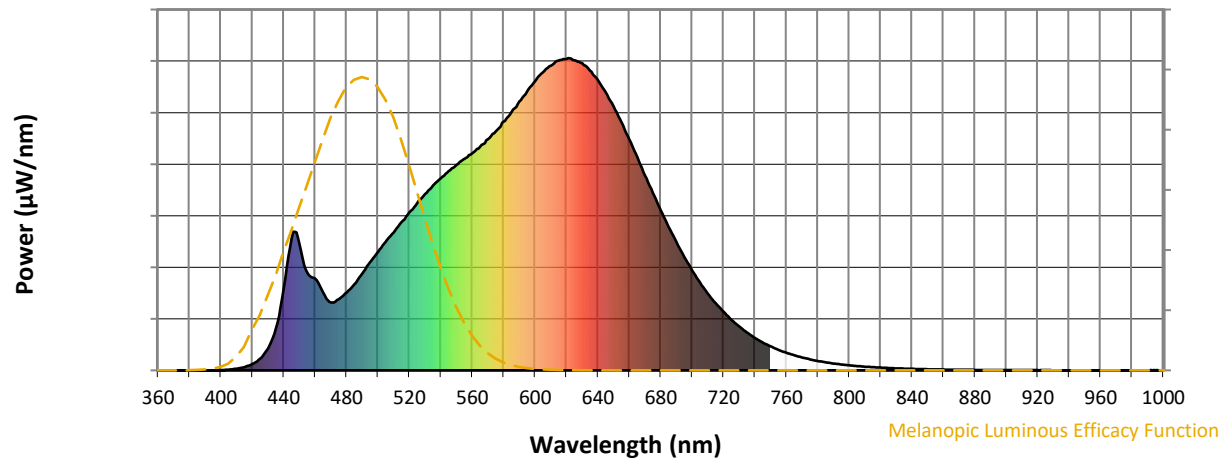
Scotopic Lumens: NR

S/P: 1.39

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.69

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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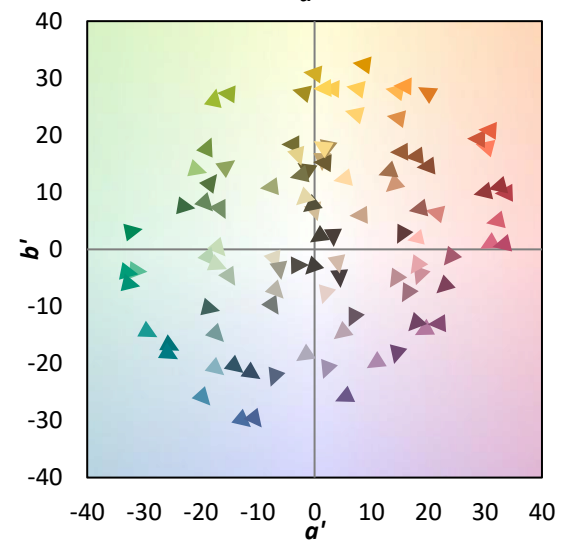
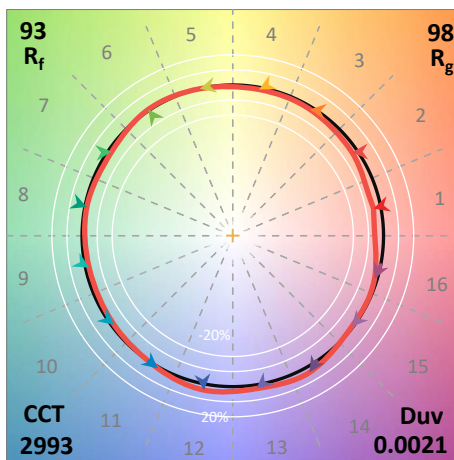
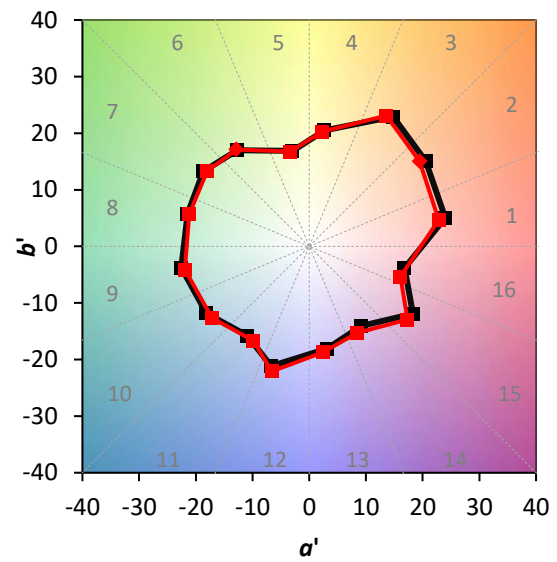
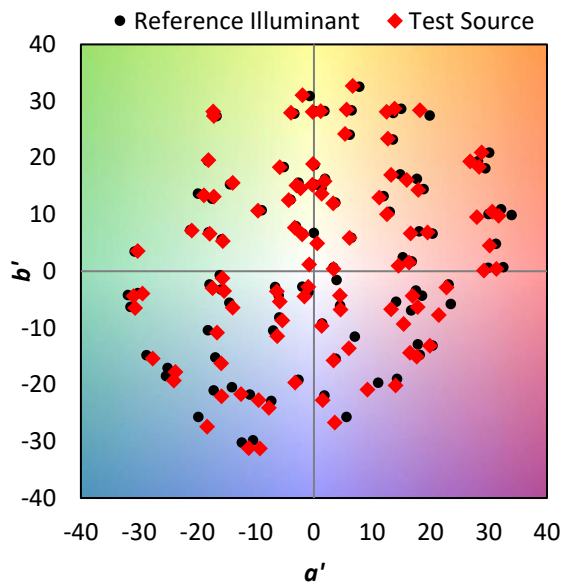
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98.5$
 $CIE R_a = 92.4$
 $R_9 = 58.2$

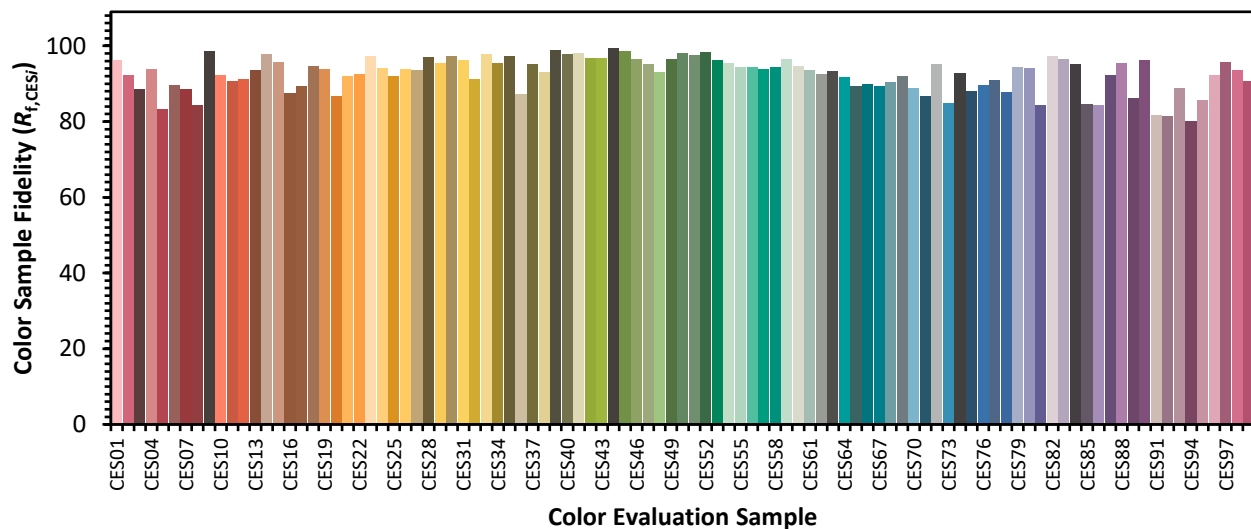


Color Vector Graphics



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

CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 63	CES27 = 94	CES52 = 98	CES77 = 91
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 88
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 94
CES05 = 51	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 84
CES07 = 43	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 42	CES33 = 98	CES58 = 94	CES83 = 97
CES09 = 29	CES34 = 96	CES59 = 97	CES84 = 95
CES10 = 76	CES35 = 97	CES60 = 95	CES85 = 85
CES11 = 59	CES36 = 87	CES61 = 94	CES86 = 84
CES12 = 65	CES37 = 95	CES62 = 92	CES87 = 92
CES13 = 44	CES38 = 93	CES63 = 93	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 86
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 90	CES91 = 82
CES17 = 50	CES42 = 97	CES67 = 89	CES92 = 81
CES18 = 57	CES43 = 97	CES68 = 90	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 92	CES94 = 80
CES20 = 67	CES45 = 99	CES70 = 89	CES95 = 86
CES21 = 86	CES46 = 96	CES71 = 87	CES96 = 92
CES22 = 79	CES47 = 95	CES72 = 95	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 97	CES74 = 93	CES99 = 91
CES25 = 72	CES50 = 98	CES75 = 88	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)