

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: P1048106

Luminaire Tested: **GALN-SA4B-930-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048106
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4B-930-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
90CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12423.2 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 144.1
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

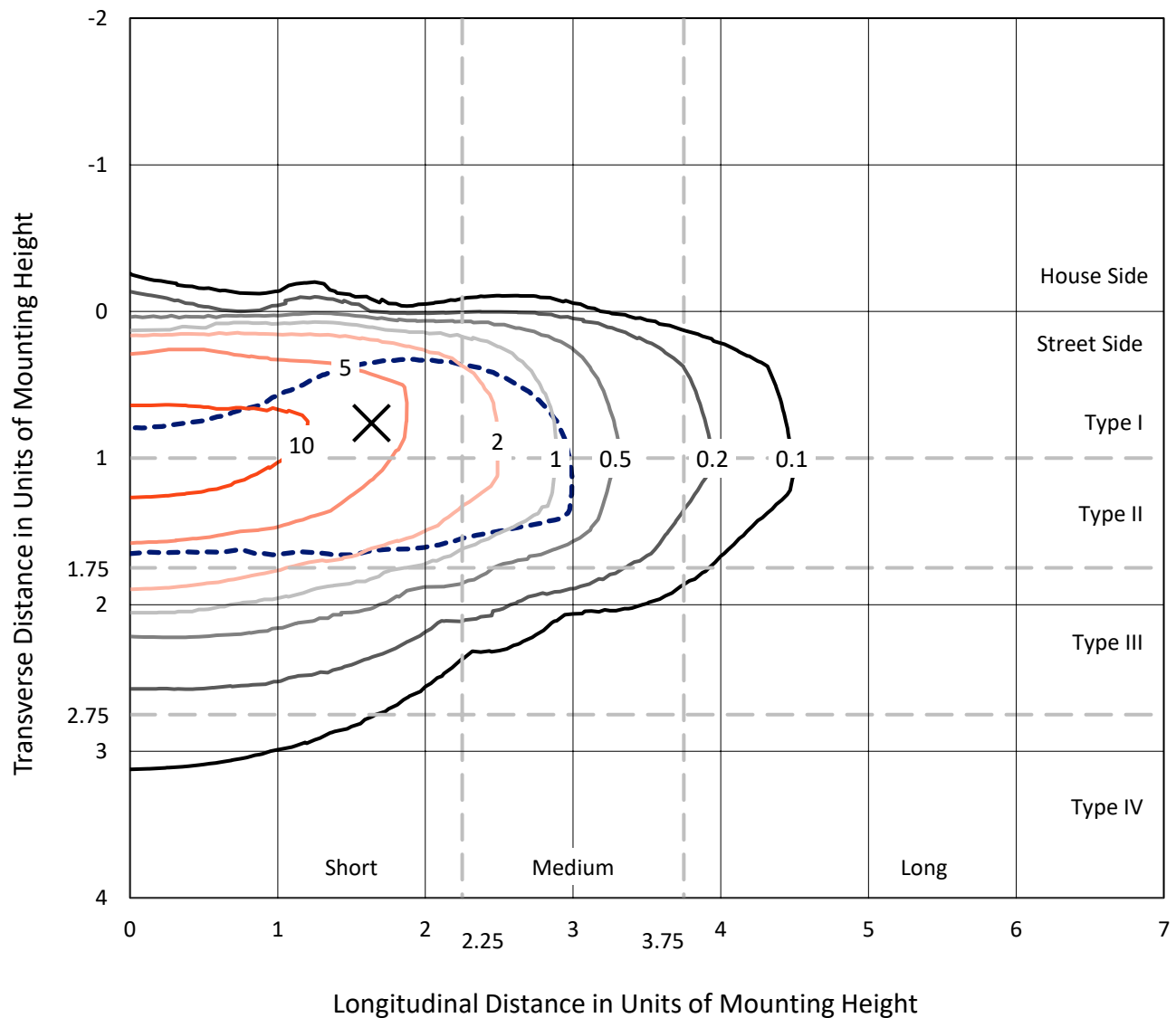


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CATALOG NUMBER: GALN-SA4B-930-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

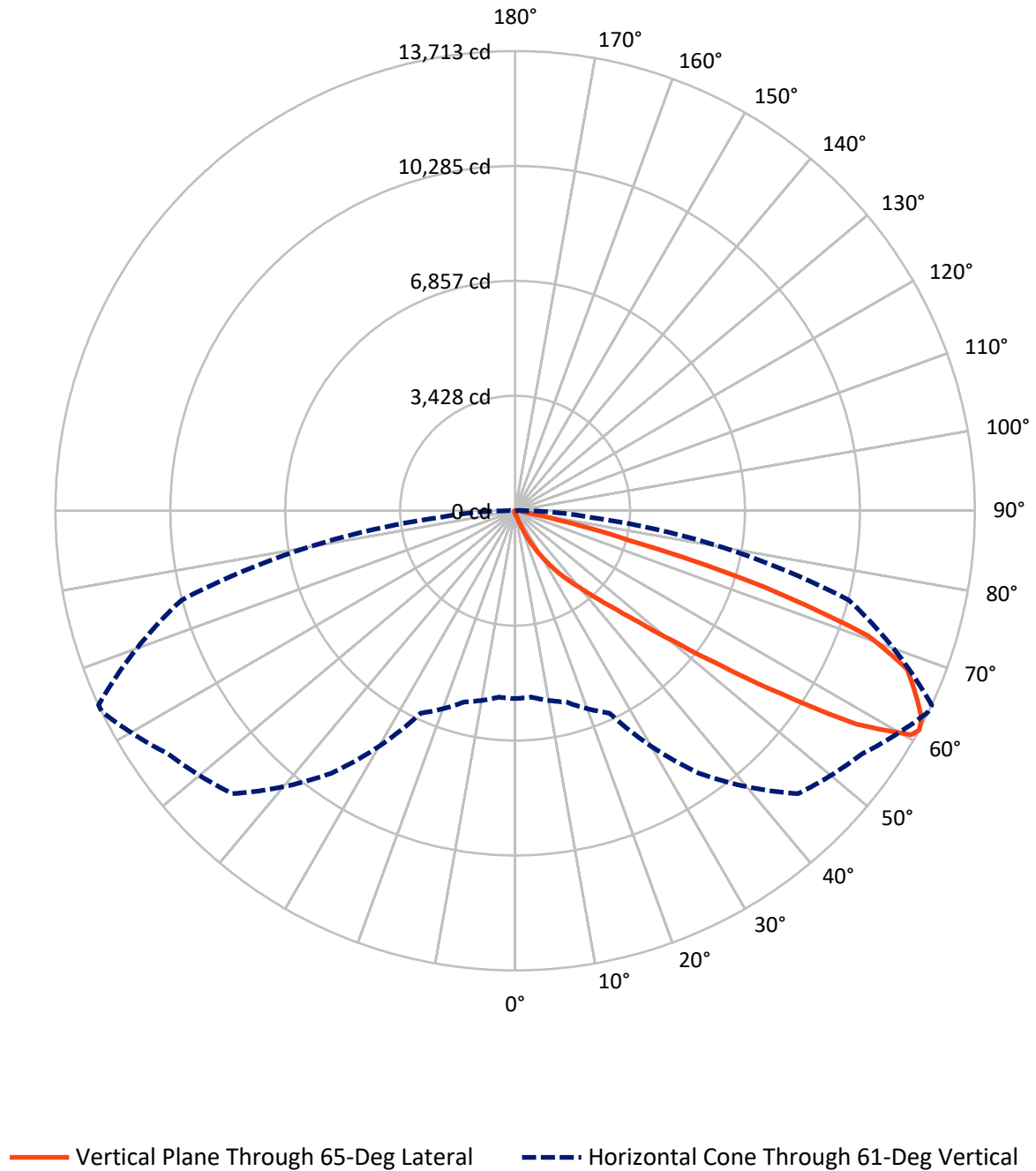


Based on 15 foot mounting height. Maximum calculated value = 16.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	53.0	0.0	53.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12370.1	0.0	12370.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	12423.2	0.0	12423.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	0.1
10°-20°	102.2	0.8
20°-30°	366.6	3.0
30°-40°	976.1	7.9
40°-50°	2564.2	20.6
50°-60°	3972.4	32.0
60°-70°	3330.8	26.8
70°-80°	980.2	7.9
80°-90°	120.9	1.0
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°	12423.2	100.0
0°-180°	12423.2	100.0



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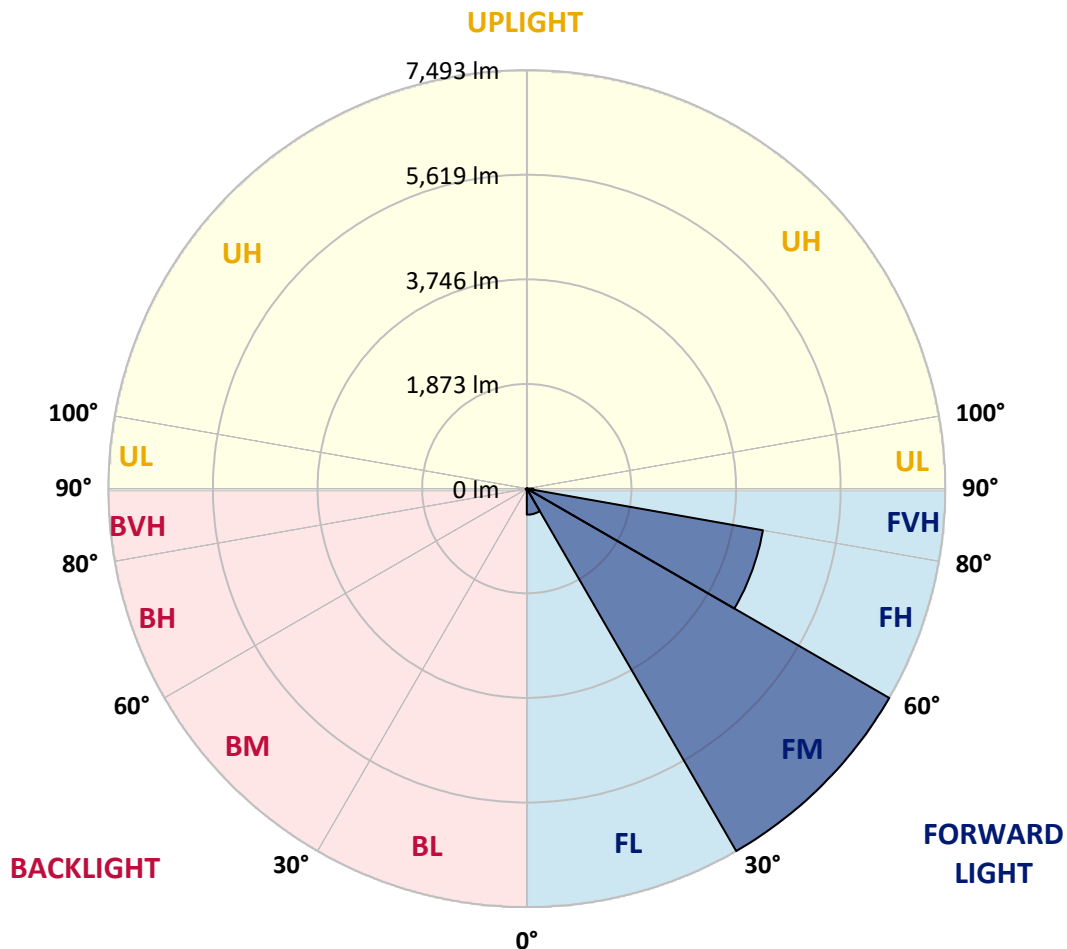
CATALOG NUMBER: GALN-SA4B-930-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	466.6	3.8			
FM	(30°-60°)	7492.6	60.3			
FH	(60°-80°)	4292.3	34.6			G2/5000
FVH	(80°-90°)	118.7	1.0			G2/225
BL	(0°-30°)	11.9	0.1	B0/110		
BM	(30°-60°)	20.2	0.2	B0/220		
BH	(60°-80°)	18.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type II Short



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CATALOG NUMBER: GALN-SA4B-930-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2.5°	92.3	93.1	91.4	88.0	85.5	85.5	84.6	82.0	82.0	79.5	77.8
5°	129.0	127.3	123.9	117.1	111.1	105.1	99.1	93.1	92.3	84.6	79.5
7.5°	211.1	212.8	201.7	180.3	162.4	139.3	117.9	105.1	103.4	90.6	80.3
10°	463.2	450.4	424.7	341.8	281.2	211.9	157.2	122.2	120.5	97.4	82.0
12.5°	844.3	834.1	787.1	701.6	545.2	379.4	229.9	151.3	146.1	103.4	82.9
15°	1216.9	1200.7	1175.0	1088.7	905.9	680.2	376.0	206.8	193.1	111.9	82.0
17.5°	1454.5	1457.1	1434.0	1397.2	1279.3	1006.7	649.5	308.5	282.0	127.3	80.3
20°	1662.2	1656.2	1669.0	1649.3	1566.4	1368.2	945.2	488.8	443.5	152.1	81.2
22.5°	1901.4	1916.0	1925.4	1921.1	1829.7	1660.4	1281.0	731.5	674.3	197.4	83.7
25°	2221.9	2220.2	2221.1	2209.9	2121.1	1933.1	1617.7	1033.2	975.1	270.9	89.7
27.5°	2557.8	2568.0	2572.3	2532.1	2415.9	2231.3	1929.6	1363.1	1294.7	388.8	97.4
30°	3016.7	3008.1	2988.5	2906.4	2765.4	2536.4	2237.3	1709.2	1637.4	553.8	109.4
32.5°	3635.4	3626.0	3526.8	3345.7	3134.6	2854.3	2546.6	2056.1	1969.0	759.7	125.6
35°	4654.9	4669.4	4425.9	3956.7	3578.1	3236.3	2889.3	2401.4	2324.5	1013.5	147.8
37.5°	6216.2	6136.7	5806.0	4977.1	4161.8	3713.1	3216.6	2750.0	2683.4	1326.3	176.9
40°	7733.1	7654.5	7558.8	6773.4	5176.2	4238.7	3674.7	3159.4	3073.1	1679.2	219.6
42.5°	9327.7	9284.2	9279.9	8687.7	7027.2	5065.1	4225.9	3638.8	3565.3	2066.4	289.7
45°	10457.5	10413.9	10505.3	10608.8	9548.2	6835.8	5185.6	4261.8	4155.0	2536.4	401.7
47.5°	10609.6	10611.3	10855.7	11179.6	11421.5	9574.7	6464.0	5087.3	4957.4	3208.9	589.7
50°	10103.7	10123.3	10512.2	11091.6	11742.8	11872.7	8718.4	6285.4	6093.2	4006.3	856.3
52.5°	9140.6	9162.8	9704.6	10657.5	11447.1	12424.7	11372.7	7852.7	7631.4	5001.0	1232.3
55°	8273.2	8286.9	8908.1	10112.2	11090.7	12124.8	12948.6	9945.6	9655.0	6224.8	1603.2
57.5°	7414.3	7382.7	7786.9	9165.4	11030.1	11756.5	13181.0	12330.7	12010.3	7562.2	1892.0
60°	6265.8	6212.8	6537.5	7414.3	10231.9	11998.3	12746.1	13650.2	13577.6	9424.3	2115.1
61°	5605.2	5583.0	5909.4	6661.4	9560.2	11936.8	12641.8	13705.7	13713.4	10305.4	2215.1
62.5°	4002.9	4066.1	4565.2	5542.8	8007.4	11537.7	12655.5	13534.0	13610.0	11476.1	2474.0
65°	1779.2	1880.9	2268.9	3064.5	4656.6	9597.8	12534.1	13157.1	13119.5	11797.5	3366.2
67.5°	1055.4	1070.8	1263.9	1736.5	2466.3	5162.5	11060.8	12658.9	12608.5	10270.3	4188.3
70°	831.5	839.2	900.7	1089.6	1431.4	1977.5	6312.8	10952.3	11171.9	8327.9	4100.3
72.5°	788.8	787.1	795.6	828.9	901.6	981.1	2444.1	7280.2	7727.1	5997.4	3438.0
75°	778.5	775.1	766.6	753.7	652.9	577.7	757.2	3220.1	3479.0	4097.7	2588.5
77.5°	755.4	756.3	758.0	723.0	559.7	408.5	366.6	1033.2	1270.8	2600.5	1839.9
80°	511.0	518.7	531.5	517.9	503.3	295.7	258.9	367.5	372.6	1459.6	1215.2
82.5°	258.9	258.9	253.0	225.6	194.8	192.3	206.0	266.6	270.0	738.4	571.7
85°	156.4	164.9	168.4	153.0	140.2	129.0	157.2	211.9	219.6	286.3	133.3
87.5°	35.0	35.9	39.3	52.1	76.1	103.4	146.1	194.0	197.4	183.7	16.2
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-SA4B-930-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2.5°	76.9	75.2	74.3	71.8	69.2	66.7	64.9	64.1	64.9	65.8	65.8
5°	76.1	73.5	69.2	64.9	61.5	58.1	54.7	53.8	53.8	54.7	54.7
7.5°	76.1	71.8	65.8	60.7	55.5	50.4	47.9	46.1	47.0	47.0	47.0
10°	76.1	70.9	63.2	55.5	49.6	43.6	39.3	37.6	37.6	37.6	37.6
12.5°	75.2	70.1	60.7	51.3	42.7	35.9	30.8	28.2	29.1	29.1	29.1
15°	73.5	67.5	57.3	43.6	34.2	27.3	22.2	19.7	20.5	22.2	23.1
17.5°	70.9	64.9	51.3	36.7	27.3	20.5	15.4	13.7	14.5	17.1	17.1
20°	70.1	62.4	45.3	29.9	20.5	14.5	10.3	8.5	9.4	12.8	13.7
22.5°	70.1	60.7	41.0	24.8	15.4	9.4	6.0	3.4	3.4	6.0	6.0
25°	70.9	59.8	37.6	20.5	11.1	6.8	3.4	1.7	3.4	9.4	11.1
27.5°	72.6	59.0	35.9	17.1	8.5	6.0	2.6	6.0	10.3	10.3	10.3
30°	74.3	57.3	33.3	14.5	7.7	4.3	4.3	8.5	8.5	10.3	11.1
32.5°	76.9	56.4	31.6	12.8	6.0	3.4	6.0	5.1	5.1	6.0	6.8
35°	82.0	57.3	29.9	12.8	6.0	4.3	5.1	2.6	1.7	1.7	1.7
37.5°	88.9	58.1	27.3	11.1	5.1	5.1	2.6	0.0	0.0	0.0	0.0
40°	100.0	60.7	25.6	10.3	4.3	4.3	0.9	0.0	0.0	0.0	0.0
42.5°	118.8	65.8	24.8	9.4	4.3	3.4	0.0	0.0	0.0	0.0	0.0
45°	156.4	77.8	23.1	8.5	4.3	1.7	0.0	0.0	0.0	0.0	0.0
47.5°	224.8	106.0	22.2	6.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	328.2	143.6	21.4	6.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	418.7	151.3	14.5	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	429.0	104.3	11.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	341.8	67.5	9.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	258.9	51.3	8.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	248.7	46.1	8.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	274.3	40.2	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	446.1	33.3	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	775.1	29.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	979.3	27.3	5.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	853.7	24.8	5.1	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	513.6	21.4	5.1	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	269.2	16.2	5.1	4.3	2.6	0.9	0.0	0.0	0.0	0.0	0.0
80°	130.8	14.5	6.0	4.3	3.4	1.7	0.0	0.0	0.0	0.0	0.0
82.5°	51.3	12.0	6.8	6.0	4.3	2.6	0.9	0.0	0.0	0.0	0.0
85°	23.1	10.3	7.7	6.8	6.0	3.4	0.9	0.0	0.0	0.0	0.0
87.5°	12.0	9.4	8.5	7.7	6.0	4.3	1.7	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

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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

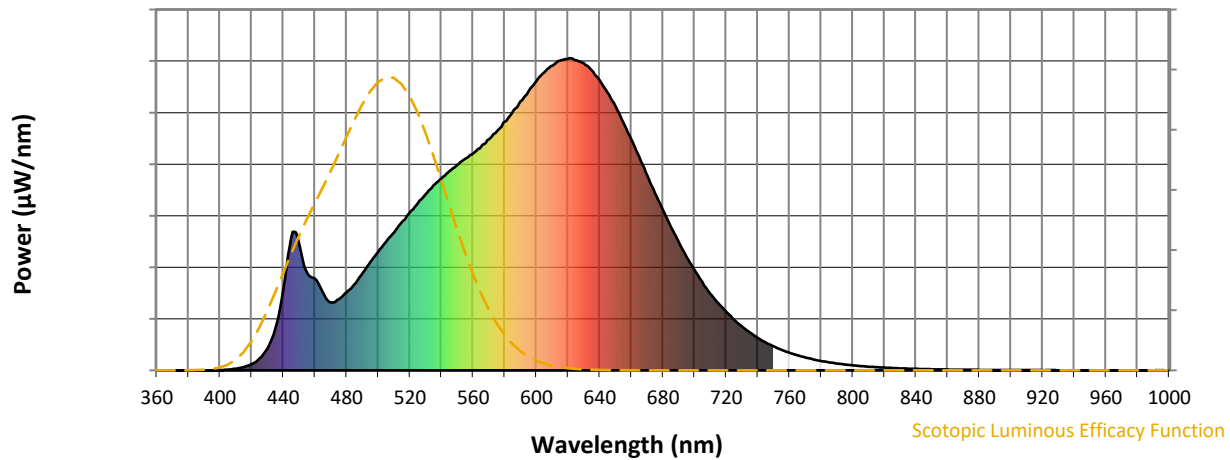


Photopic Lumens: NR

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	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



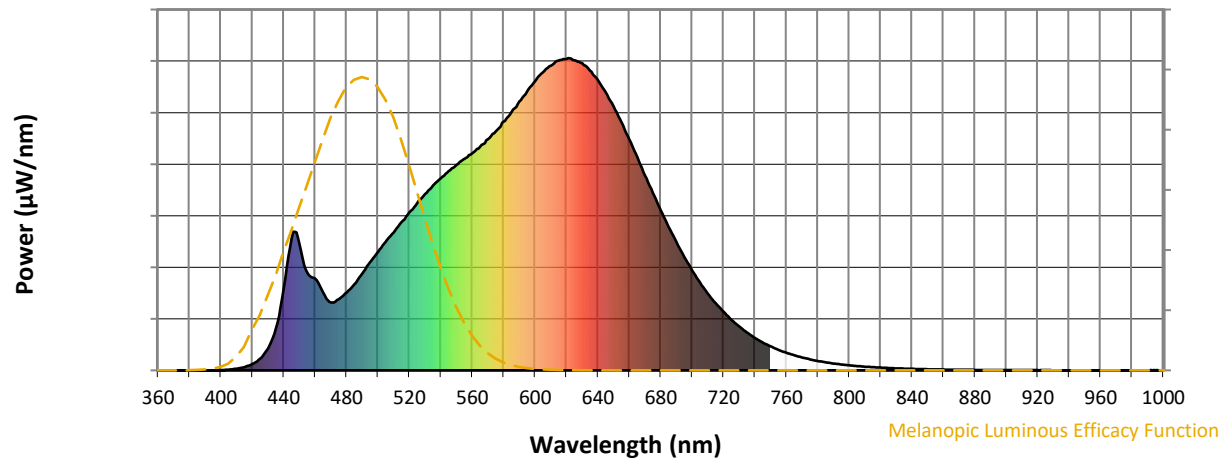
Scotopic Lumens: NR

S/P: 1.39

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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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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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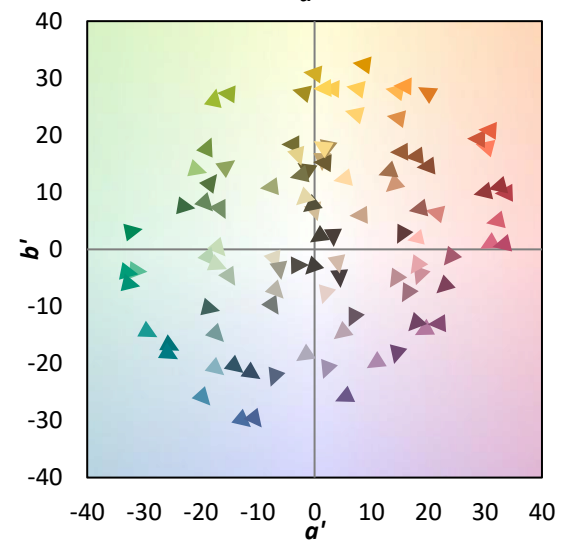
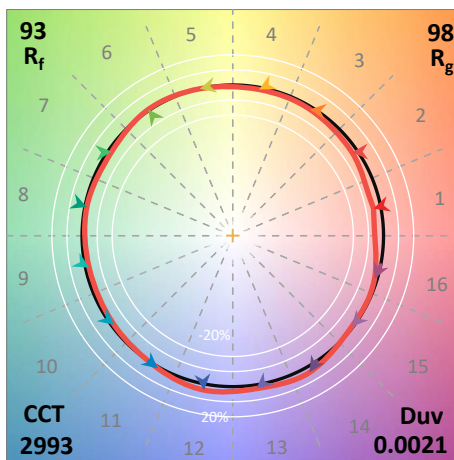
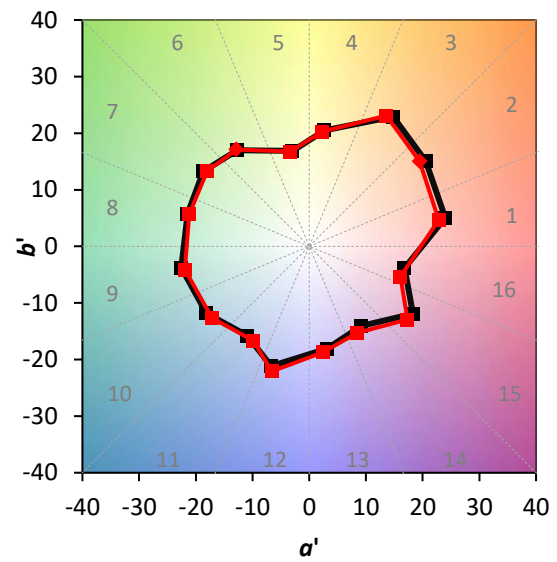
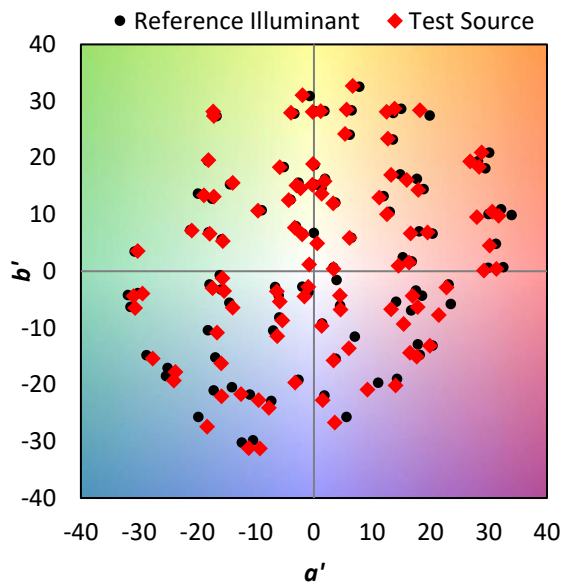
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98.5$
 $\text{CIE } R_a = 92.4$
 $R_9 = 58.2$

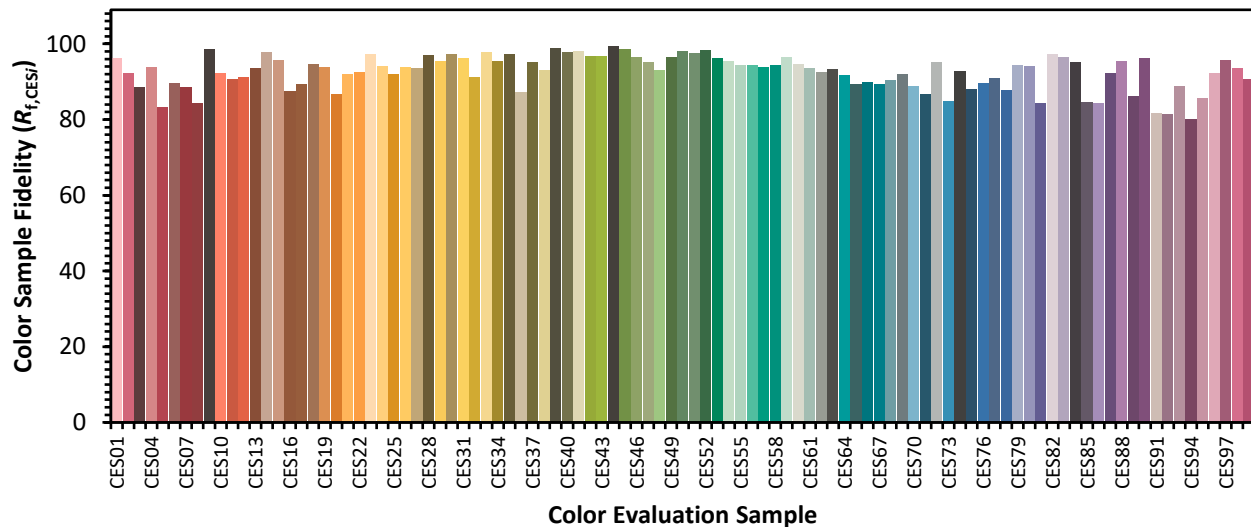


Color Vector Graphics



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)