

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: P1048109

Luminaire Tested: **GALN-SA5A-930-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048109
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5A-930-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
90CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (70) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12262 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 136.6
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

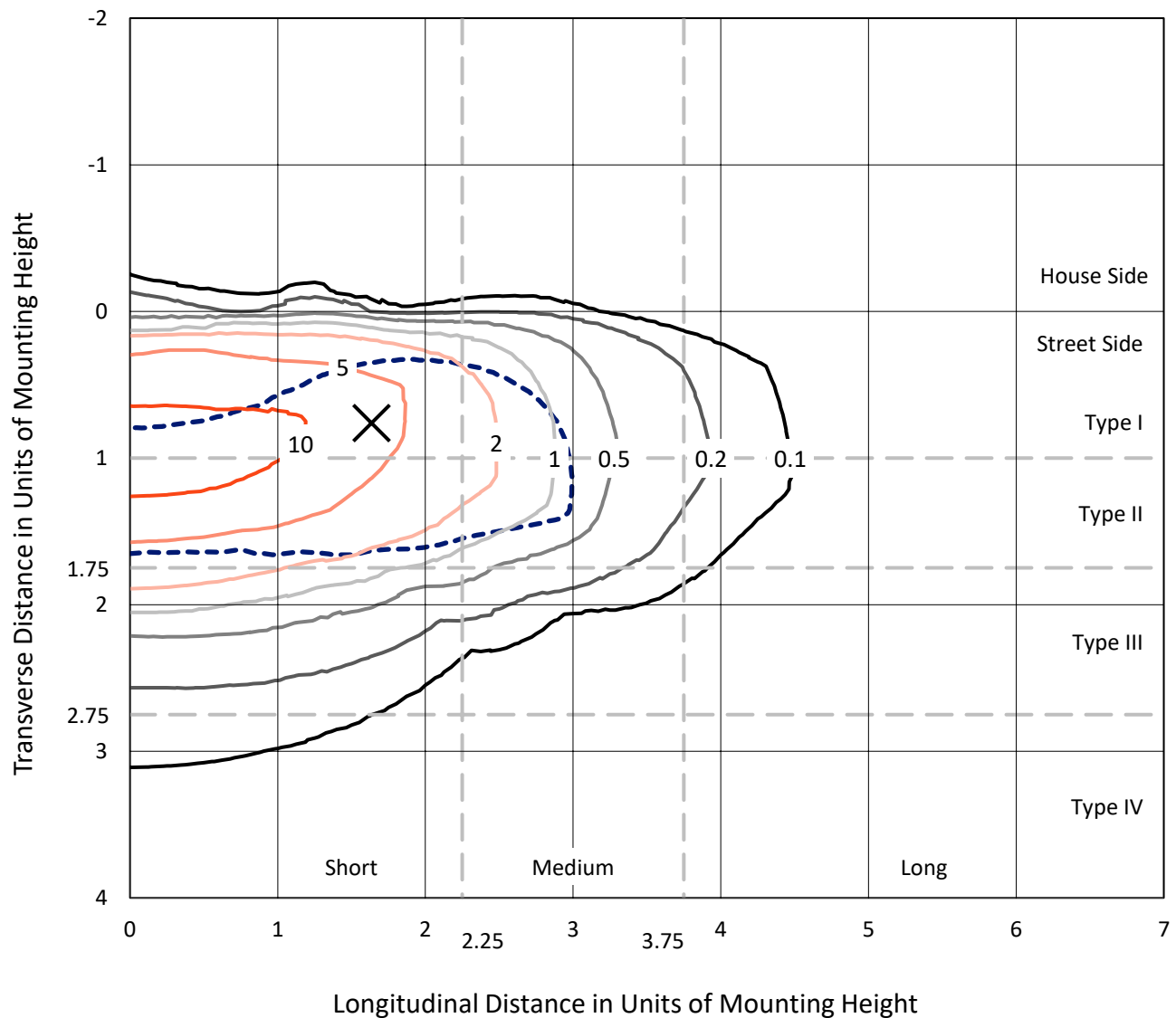


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

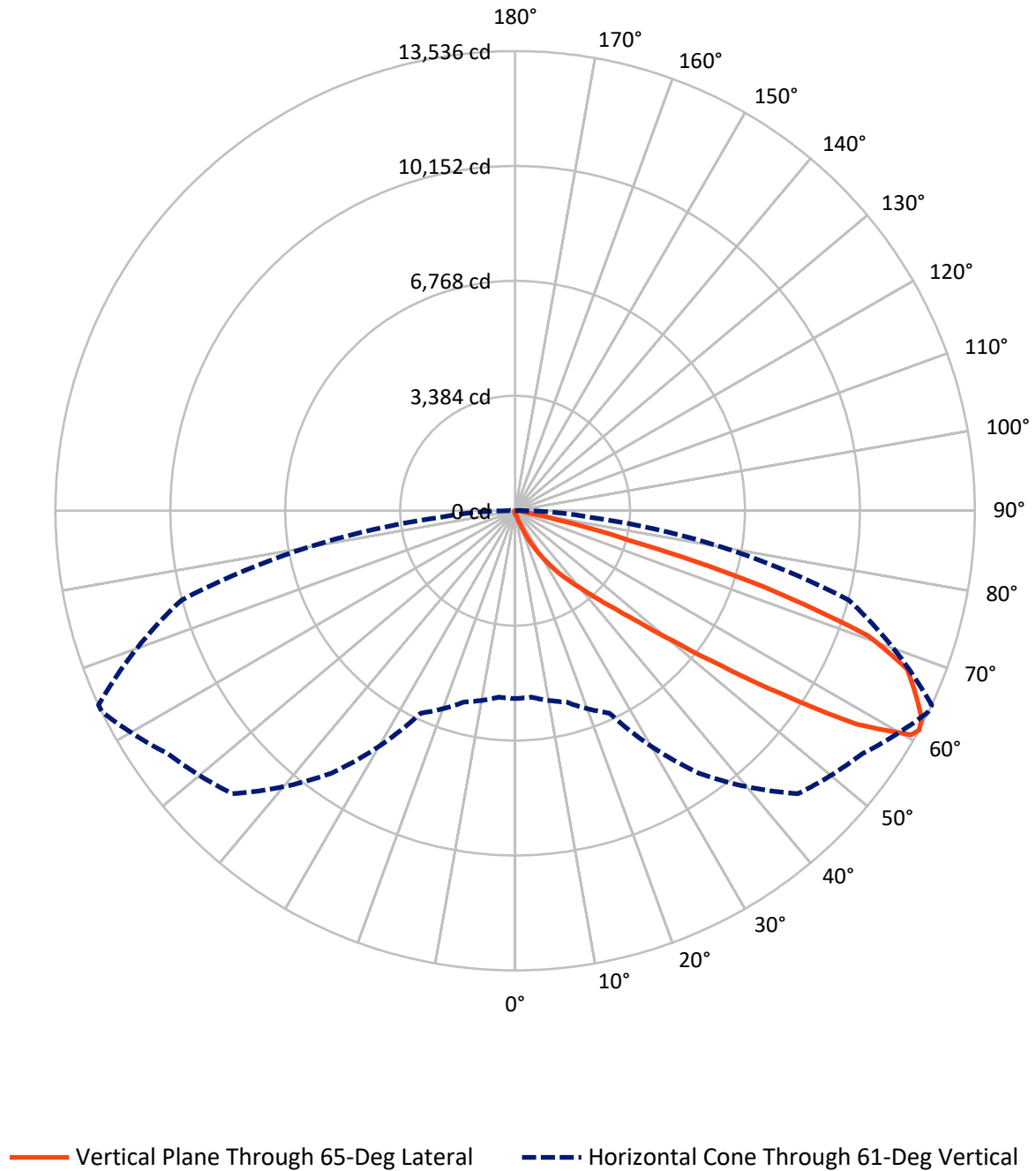


Based on 15 foot mounting height. Maximum calculated value = 16.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	52.3	0.0	52.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12209.7	0.0	12209.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	12262.0	0.0	12262.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.1
10°-20°	100.8	0.8
20°-30°	361.9	3.0
30°-40°	963.4	7.9
40°-50°	2530.9	20.6
50°-60°	3920.9	32.0
60°-70°	3287.6	26.8
70°-80°	967.5	7.9
80°-90°	119.3	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°	12262.0	100.0
0°-180°	12262.0	100.0



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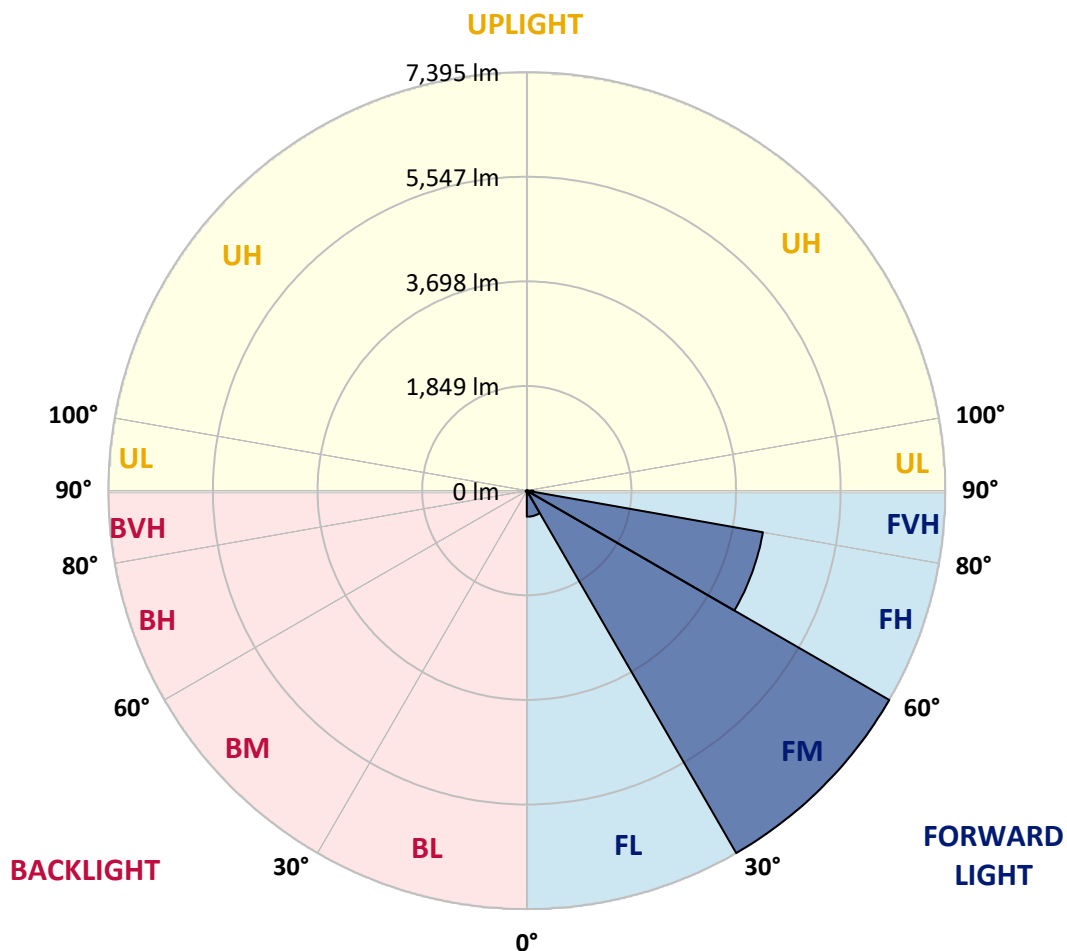
CATALOG NUMBER: GALN-SA5A-930-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	460.5	3.8			
FM	(30°-60°)	7395.4	60.3			
FH	(60°-80°)	4236.7	34.6			G2/5000
FVH	(80°-90°)	117.1	1.0			G2/225
BL	(0°-30°)	11.7	0.1	B0/110		
BM	(30°-60°)	19.9	0.2	B0/220		
BH	(60°-80°)	18.5	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-SA5A-930-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
2.5°	91.1	91.9	90.3	86.9	84.3	84.3	83.5	81.0	81.0	78.4	76.8
5°	127.4	125.7	122.3	115.6	109.7	103.7	97.8	91.9	91.1	83.5	78.4
7.5°	208.3	210.0	199.1	178.0	160.3	137.5	116.4	103.7	102.1	89.4	79.3
10°	457.2	444.5	419.2	337.4	277.5	209.2	155.2	120.6	118.9	96.2	81.0
12.5°	833.4	823.3	776.9	692.5	538.2	374.5	226.9	149.3	144.2	102.1	81.8
15°	1201.1	1185.1	1159.8	1074.6	894.1	671.4	371.1	204.1	190.6	110.5	81.0
17.5°	1435.6	1438.2	1415.4	1379.1	1262.7	993.6	641.1	304.5	278.4	125.7	79.3
20°	1640.6	1634.7	1647.3	1627.9	1546.1	1350.4	932.9	482.5	437.8	150.1	80.1
22.5°	1876.8	1891.1	1900.4	1896.2	1805.9	1638.9	1264.4	722.0	665.5	194.8	82.7
25°	2193.1	2191.4	2192.2	2181.3	2093.6	1908.0	1596.7	1019.8	962.4	267.4	88.6
27.5°	2524.6	2534.7	2538.9	2499.3	2384.6	2202.4	1904.6	1345.4	1277.9	383.8	96.2
30°	2977.5	2969.1	2949.7	2868.7	2729.6	2503.5	2208.3	1687.0	1616.1	546.6	108.0
32.5°	3588.2	3579.0	3481.1	3302.3	3093.9	2817.3	2513.6	2029.5	1943.4	749.9	124.0
35°	4594.5	4608.9	4368.5	3905.4	3531.7	3194.3	2851.9	2370.2	2294.3	1000.4	145.9
37.5°	6135.6	6057.1	5730.7	4912.5	4107.8	3665.0	3174.9	2714.4	2648.6	1309.1	174.6
40°	7632.8	7555.2	7460.7	6685.5	5109.1	4183.7	3627.0	3118.4	3033.2	1657.5	216.8
42.5°	9206.8	9163.7	9159.5	8575.0	6936.1	4999.4	4171.1	3591.6	3519.1	2039.6	285.9
45°	10321.9	10278.8	10369.1	10471.2	9424.4	6747.1	5118.3	4206.5	4101.1	2503.5	396.4
47.5°	10472.0	10473.7	10714.9	11034.6	11273.3	9450.5	6380.2	5021.3	4893.1	3167.3	582.0
50°	9972.7	9992.1	10375.8	10947.7	11590.5	11718.7	8605.3	6203.9	6014.1	3954.3	845.2
52.5°	9022.0	9044.0	9578.7	10519.2	11298.6	12263.6	11225.2	7750.9	7532.4	4936.1	1216.3
55°	8165.9	8179.4	8792.6	9981.1	10946.9	11967.5	12780.6	9816.6	9529.8	6144.0	1582.4
57.5°	7318.2	7287.0	7685.9	9046.5	10887.0	11604.0	13010.1	12170.8	11854.5	7464.1	1867.5
60°	6184.5	6132.2	6452.7	7318.2	10099.2	11842.7	12580.7	13473.2	13401.5	9302.1	2087.7
61°	5532.5	5510.6	5832.8	6575.0	9436.2	11781.9	12477.8	13528.0	13535.6	10171.7	2186.3
62.5°	3950.9	4013.4	4506.0	5470.9	7903.6	11388.0	12491.3	13358.4	13433.5	11327.3	2441.9
65°	1756.2	1856.5	2239.5	3024.8	4596.2	9473.3	12371.6	12986.5	12949.3	11644.5	3322.5
67.5°	1041.7	1056.9	1247.5	1714.0	2434.3	5095.6	10917.4	12494.7	12444.9	10137.1	4134.0
70°	820.7	828.3	889.0	1075.5	1412.9	1951.8	6230.9	10810.2	11027.0	8219.9	4047.1
72.5°	778.5	776.9	785.3	818.2	889.9	968.3	2412.4	7185.7	7626.9	5919.7	3393.4
75°	768.4	765.1	756.6	744.0	644.4	570.2	747.3	3178.3	3433.9	4044.6	2554.9
77.5°	745.7	746.5	748.2	713.6	552.5	403.2	361.9	1019.8	1254.3	2566.8	1816.0
80°	504.4	512.0	524.7	511.2	496.8	291.8	255.6	362.7	367.8	1440.7	1199.5
82.5°	255.6	255.6	249.7	222.7	192.3	189.8	203.3	263.2	266.5	728.8	564.3
85°	154.4	162.8	166.2	151.0	138.3	127.4	155.2	209.2	216.8	282.6	131.6
87.5°	34.6	35.4	38.8	51.5	75.1	102.1	144.2	191.5	194.8	181.4	16.0
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-SA5A-930-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
2.5°	75.9	74.2	73.4	70.9	68.3	65.8	64.1	63.3	64.1	64.9	64.9
5°	75.1	72.5	68.3	64.1	60.7	57.4	54.0	53.1	53.1	54.0	54.0
7.5°	75.1	70.9	64.9	59.9	54.8	49.8	47.2	45.5	46.4	46.4	46.4
10°	75.1	70.0	62.4	54.8	48.9	43.0	38.8	37.1	37.1	37.1	37.1
12.5°	74.2	69.2	59.9	50.6	42.2	35.4	30.4	27.8	28.7	28.7	28.7
15°	72.5	66.6	56.5	43.0	33.7	27.0	21.9	19.4	20.2	21.9	22.8
17.5°	70.0	64.1	50.6	36.3	27.0	20.2	15.2	13.5	14.3	16.9	16.9
20°	69.2	61.6	44.7	29.5	20.2	14.3	10.1	8.4	9.3	12.7	13.5
22.5°	69.2	59.9	40.5	24.5	15.2	9.3	5.9	3.4	3.4	5.9	5.9
25°	70.0	59.0	37.1	20.2	11.0	6.7	3.4	1.7	3.4	9.3	11.0
27.5°	71.7	58.2	35.4	16.9	8.4	5.9	2.5	5.9	10.1	10.1	10.1
30°	73.4	56.5	32.9	14.3	7.6	4.2	4.2	8.4	8.4	10.1	11.0
32.5°	75.9	55.7	31.2	12.7	5.9	3.4	5.9	5.1	5.1	5.9	6.7
35°	81.0	56.5	29.5	12.7	5.9	4.2	5.1	2.5	1.7	1.7	1.7
37.5°	87.7	57.4	27.0	11.0	5.1	5.1	2.5	0.0	0.0	0.0	0.0
40°	98.7	59.9	25.3	10.1	4.2	4.2	0.8	0.0	0.0	0.0	0.0
42.5°	117.2	64.9	24.5	9.3	4.2	3.4	0.0	0.0	0.0	0.0	0.0
45°	154.4	76.8	22.8	8.4	4.2	1.7	0.0	0.0	0.0	0.0	0.0
47.5°	221.8	104.6	21.9	6.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0
50°	323.9	141.7	21.1	5.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	413.3	149.3	14.3	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	423.4	102.9	11.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	337.4	66.6	9.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	255.6	50.6	8.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	245.5	45.5	8.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	270.8	39.6	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	440.3	32.9	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	765.1	28.7	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	966.6	27.0	5.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	842.7	24.5	5.1	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
75°	506.9	21.1	5.1	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	265.7	16.0	5.1	4.2	2.5	0.8	0.0	0.0	0.0	0.0	0.0
80°	129.1	14.3	5.9	4.2	3.4	1.7	0.0	0.0	0.0	0.0	0.0
82.5°	50.6	11.8	6.7	5.9	4.2	2.5	0.8	0.0	0.0	0.0	0.0
85°	22.8	10.1	7.6	6.7	5.9	3.4	0.8	0.0	0.0	0.0	0.0
87.5°	11.8	9.3	8.4	7.6	5.9	4.2	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

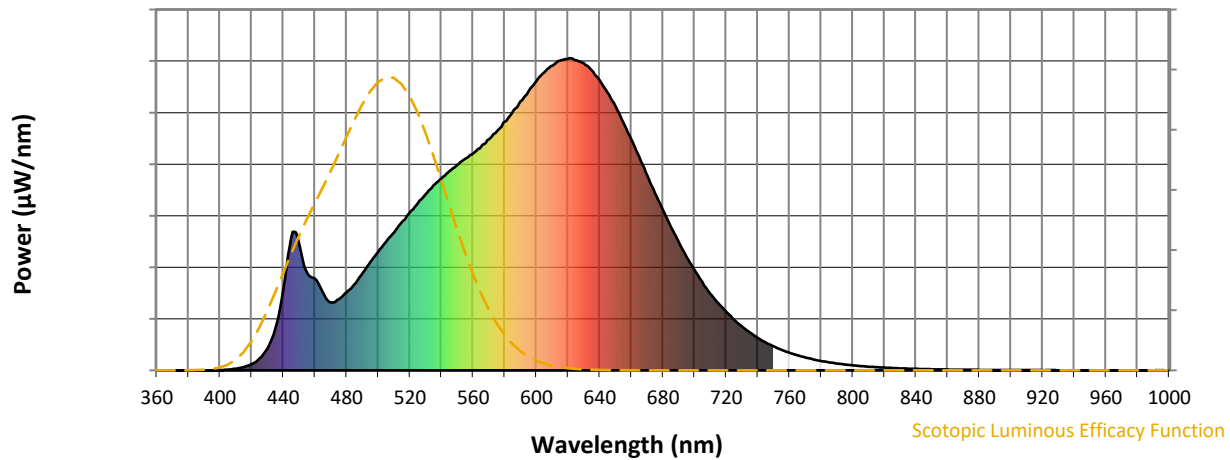


Photopic Lumens: NR

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



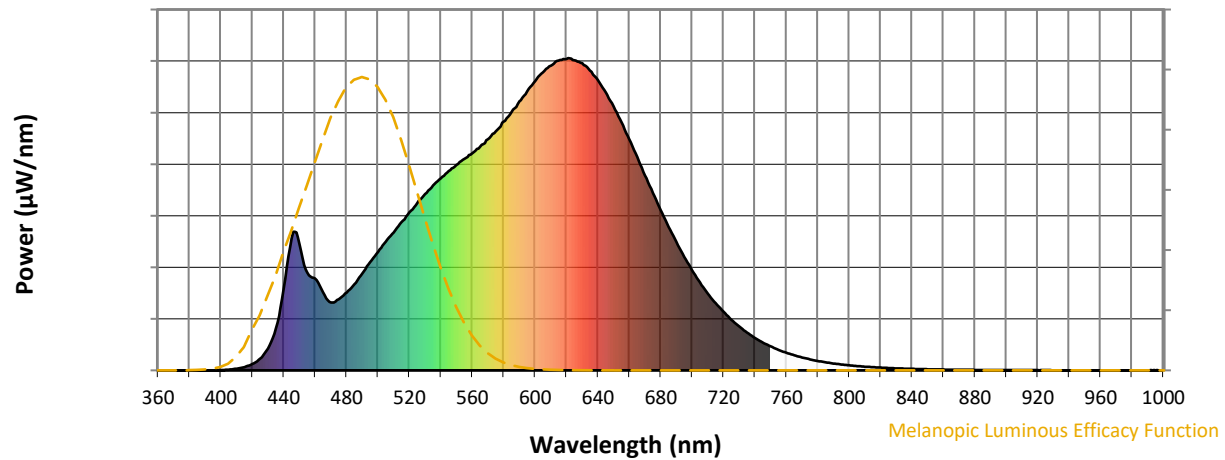
Scotopic Lumens: NR

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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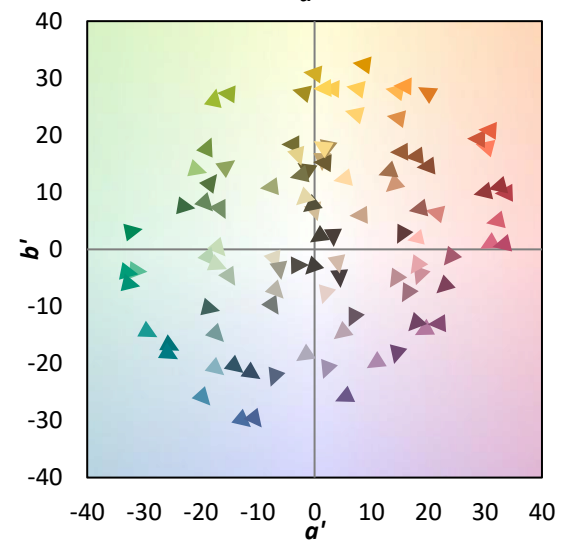
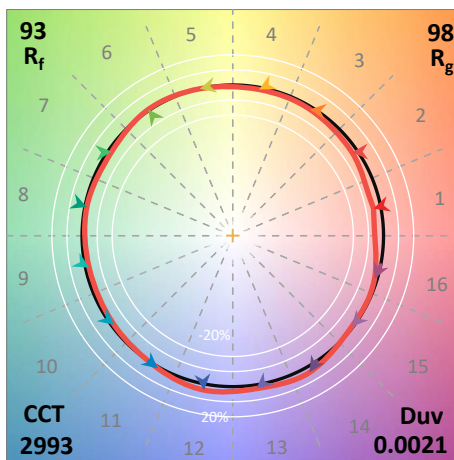
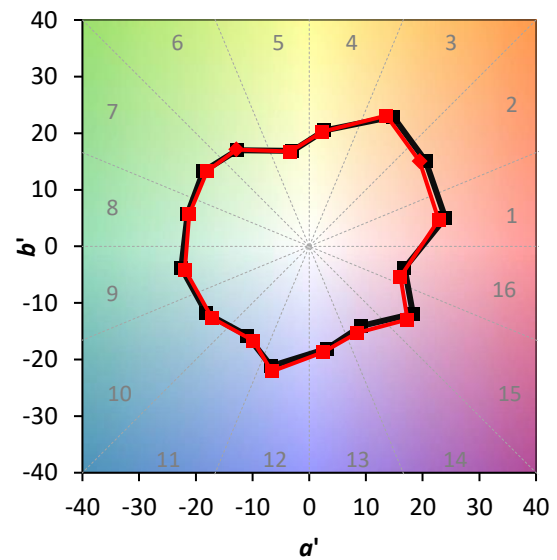
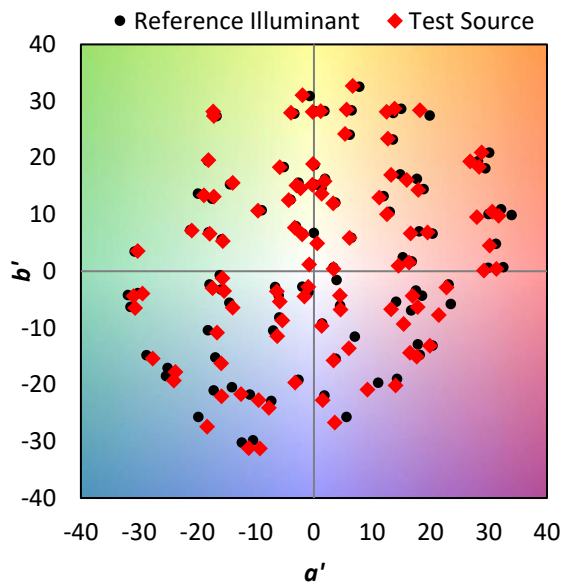
TM-30-18

Summary

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

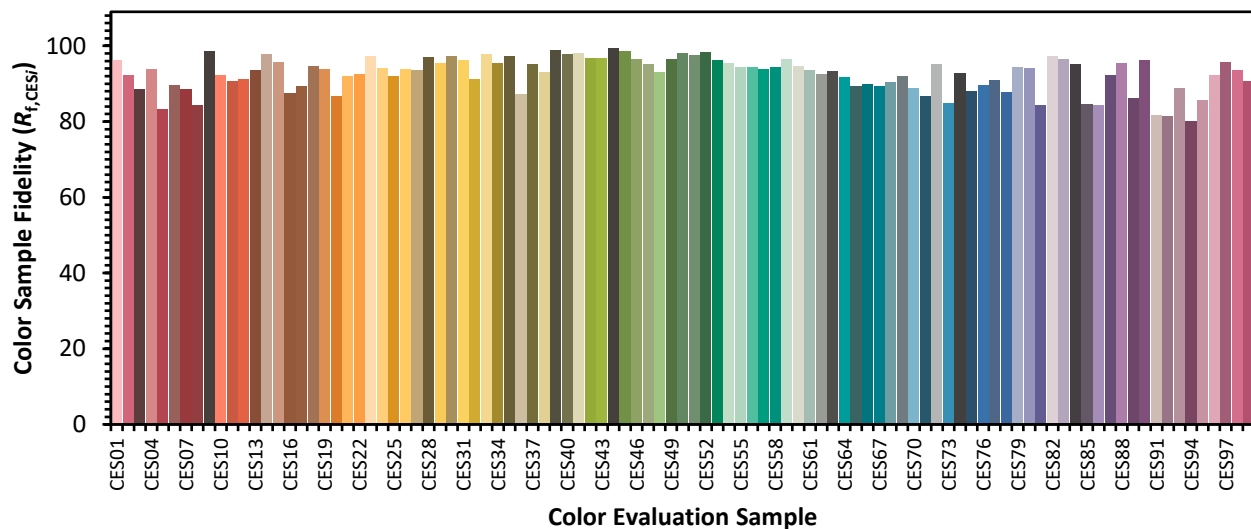


Color Vector Graphics



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)